RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

RENDERING: FOR REFERENCE ONLY



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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

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COVER SHEET

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DRAWING INDEX:

GENERAL
G000 COVER SHEET
G001 INDEX AND GENERAL NOTES
G002 ABBREVIATIONS, DIMENSIONING LEGEND, SYMBOLS
G003 CONTEXT PLAN / VICINITY MAP
G004 CODE SUMMARY
G005 FIRE & LIFE SAFETY PLAN
G006 ACCESSIBILITY COMPLIANCE PLAN
G007 ADA REQUIREMENTS
G008 ADA REQUIREMENTS
G020 SPECIAL INSPECTION MATERIAL TESTING
G021 STRUCTURAL OBSERVATION & DEFERRED SUBMITTAL
G100 PERSPECTIVES

CIVIL
C100 GENERAL NOTES AND DETAILS
C101 GENERAL DETAILS
C102 UTILITY DETAILS
C103 APWA SITE DETAILS
C104 NEW BUILDING STORMTECH SYSTEM
CS230 NEW BUILDING SITE PLAN
CS240 CIRCULATION PLAN
CU300 NEW BUILDING UTILITY PLAN
CG400 NEW BUILDING OVERALL GRADING PLAN
CG401 NEW BUILDING ENLARGED GRADING PLAN
CG402 NEW BUILDING ENLARGED GRADING PLAN
CG450 NEW BUILDING HYDROLOGY PLAN
C500 NEW BUILDING EROSION CONTROL PLAN
C510 EROSION CONTROL DETAILS

LANDSCAPE
LP101 LANDSCAPE PLAN
LP501 LANDSCAPE DETAILS
LI101 IRRIGATION PLAN
LI501 IRRIGATION DETAILS
LI502 IRRIGATION DETAILS

STRUCTURAL
SE001 GENERAL STRUCTURAL NOTES
SE002 GENERAL STRUCTURAL NOTES
SE003 LEGEND & ABBREVIATIONS
SB101 FOOTING & FOUNDATION PLAN
SB501 TYPICAL FOOTING & FOUNDATION DETAILS
SB502 TYPICAL FOOTING & FOUNDATION DETAILS
SB503 BRACED FRAME FOOTING & FOUNDATION DETAILS
SB601 CONCRETE SCHEDULES
SB602 REINFORCING SCHEDULES
SF101 ROOF FRAMING PLAN
SF201 BUCKLING-RESTRAINED BRACE FRAME ELEVATIONS
SF202 BRACE ANGLE ELEVATIONS
SF203 STRUCTURAL ELEVATIONS
SF211 BRACED FRAME DETAILS
SF212 BRACED FRAME DETAILS
SF213 BUCKLING-RESTRAINED BRACE SCHEDULE
SF401 ENLARGED FRAMING PLANS
SF501 TYPICAL CONCRETE OVER STEEL DECK DETAILS
SF502 TYPICAL ROOF FRAMING DETAILS
SF601 TYPICAL STEEL FRAMING SCHEDULES
SF602 STEEL COLUMN SCHEDULE AND DETAILS
SF603 STEEL DECK SCHEDULES
SW201 GENERAL STRUCTURAL NOTES
SW202 STEEL STUD WALL ELEVATIONS
SW301 STEEL STUD WALL SECTIONS
SW302 STEEL STUD WALL SECTIONS
SW501 EXTERIOR STEEL STUD DETAILS
SW502 EXTERIOR STEEL STUD DETAILS
SW503 EXTERIOR STEEL STUD DETAILS
SW601 NON-LOAD BEARING EXTERIOR STUD WALL SCHEDULE

ARCHITECTURAL
AS101 ARCHITECTURAL SITE PLAN
AS201 SITE DETAILS - MONUMENT SIGNAGE / WEST STAIR
AS202 SITE DETAILS - TRASH ENCLOSURE
AS205 SITE DETAILS - STONE BENCH
AS500 SITE DETAILS - PARKING
A010 ASSEMBLIES - EXTERIOR WALLS
A011 ASSEMBLIES - INTERIOR WALLS
A012 ASSEMBLIES - FLOOR/CEILING/ROOF
A100.A FOUNDATION PLAN
A100.B SLAB PLAN
A101 ANNOTATED REFERENCE FLOOR PLAN
A101.A ENLARGED ANNOTATED FLOOR PLAN - 'AREA A'
A101.B ENLARGED ANNOTATED FLOOR PLAN - 'AREA B'
A101.C ENLARGED ANNOTATED FLOOR PLAN - 'AREA C'
A102 DIMENSION REFERENCE FLOOR PLAN
A102.A ENLARGED DIMENSION FLOOR PLAN - 'AREA A'
A102.B ENLARGED DIMENSION FLOOR PLAN - 'AREA B'
A102.C ENLARGED DIMENSION FLOOR PLAN - 'AREA C'
A103 FINISH REFERENCE PLAN
A103.A ENLARGED FINISH FLOOR PLAN - 'AREA A'
A103.B ENLARGED FINISH FLOOR PLAN - 'AREA B'
A103.C ENLARGED FINISH FLOOR PLAN - 'AREA C'
A104 CEILING REFERENCE PLAN
A104.A ENLARGED CEILING FLOOR PLAN - 'AREA A'
A104.B ENLARGED CEILING FLOOR PLAN - 'AREA B'
A104.C ENLARGED CEILING FLOOR PLAN - 'AREA C'
A104.D ENLARGED CEILING FLOOR PLAN - MESH SOFFIT
A105 ROOF PLAN
A106 CLERESTORY PLAN
A200 ELEVATIONS
A201 ELEVATIONS
A203 ELEVATIONS - BRICK PATTERNS AND TYPES
A204 ELEVATIONS - BRICK DETAILS
A205 ENLARGED ELEVATIONS
A206 ENLARGED ELEVATIONS
A207 ENLARGED ELEVATIONS
A208 ENLARGED ELEVATIONS
A300 BUILDING SECTIONS
A301 BUILDING SECTIONS
A310 WALL SECTIONS
A311 WALL SECTIONS
A312 WALL SECTIONS
A313 WALL SECTIONS
A314 WALL SECTIONS
A315 WALL SECTIONS
A410 INTERIOR ELEVATIONS - DMV
A411 INTERIOR ELEVATIONS - DLD
A412 INTERIOR ELEVATIONS - DWS
A413 INTERIOR ELEVATIONS - DHHS
A414 INTERIOR ELEVATIONS - COMMON BREAK & CONFERENCE
A415 INTERIOR ELEVATIONS - COMMON RESTROOM
A416 INTERIOR ELEVATIONS - COMMON CORRIDOR
A417 INTERIOR ELEVATIONS - COMMON CONFERENCE
A500 DETAILS - FIRE RATING
A502 DETAILS - ACOUSTICS
A503 DETAILS - FOUNDATION
A510 DETAILS - SECTION
A520 DETAILS - ROOF
A521 DETAILS - ROOF
A530 DETAILS - STOREFRONT
A532 DETAILS - INTERIOR DOORS & STOREFRONT
A550 DETAILS - DOORS
A560 DETAILS - CEILINGS
A570 DETAILS - MILLWORK
A571 DETAILS - MILLWORK
A572 DETAILS - MILLWORK
A580 DETAILS - FINISHES
A600 DOOR SCHEDULE & LEGEND
A611 WINDOW TYPES - INTERIOR
A612 WINDOW TYPES - EXTERIOR
A620 FINISH & ACCESSORY SCHEDULE
A700 CODE SIGN SCHEDULE, TYPES, DETAILS
A701 WAYFINDING AND STATION SIGN SCHEDULE, TYPES, DETAILS
A702 SIGNAGE PLAN
A703 DOOR HARDWARE
A801 ALT 1 - CDL RANGE
A802 ALT 2 - ROOF MONITORS / CLERESTORIES
A803 ALT 3 - BIKE LOCKERS

MECHANICAL
MG001 MECHANICAL GENERAL NOTES AND LEGEND
ME101. 1 LEVEL 1 MECHANICAL PLAN
ME101. 2 LEVEL 1 REFLECTEC CEILING PLAN
ME101A LEVEL 1 MECHANICAL - AREA A
ME101B LEVEL 1 MECHANICAL - AREA B
ME101 C LEVEL 1 MECHANICAL - AREA C
ME102 ROOF MECHANICAL PLAN
ME201 LEVEL 1 MECHANICAL PIPING PLAN
ME401 ENLARGED MECHANICAL ROOM PLAN
ME501 MECHANICAL DETAILS
ME502 MECHANICAL DETAILS
ME503 MECHANICAL DETAILS
ME504 MECHANICAL DETAILS
ME601 MECHANICAL SCHEDULES
ME602 MECHANICAL SCHEDULES
ME701 FLOW SHEET
ME901 MECHANICAL ISOMETRICS
ME902 MECHANICAL PIPING ISOMETRIC
MZ101 LEVEL 1 ZONE PLAN
PLUMBING
PG001 PLUMBING GENERAL NOTES AND LEGEND
PE101 LEVEL1 DOMESTIC PLUMBING AND WASTE
PE102 ROOF PLUMBING PLAN
PE401 ENLARGED PLUMBING PLANS - AREA A
PE402 ENLARGED PLUMBING PLANS - AREA B
PE403 ENLARGED PLUMBING PLANS - AREA C
PE501 PLUMBING DETAILS
PE502 PLUMBING DETAIL
PE601 PLUMBING SCHEDULES
PE901 PLUMBING ISOMETRIC

ELECTRICAL
EE001 ELECTRICAL COVER SHEET
EE002 SYMBOLS LEGEND
EE003 AUXILIARY SCHEDULES AND NOTES
EE004 AV ROUGH-IN GENERAL NOTES AND SCHEDULES
EE501 ELECTRICAL DETAILS
EE502 ELECTRICAL DETAILS
EE601 GROUNDING RISER DIAGRAM
EE701 TYPICAL MOUNTING DETAILS
EE702 TYPICAL LABELING DETAILS
ES101 ELECTRICAL SITE PLAN - OVERALL
ES102 ELECTRICAL SITE LIGHTING PLAN
ES401 ENLARGED ELECTRICAL SITE PLANS
ES501 ELECTRICAL SITE DETAILS
ES502 ELECTRICAL SITE DETAILS
ES503 ELECTRICAL SITE DETAILS
EP101 LEVEL 1 POWER PLAN
EP102 ROOF POWER PLAN
EP201 LEVEL 1 ELECTRICAL REFLECTED CEILING PLAN
EP301 TELECOM SECTION VIEWS
EP401 ENLARGED POWER PLANS
EP450 ENLARGED TELECOM PLANS
EP553 TELECOM CABLE TRAY DETAILS
EP554 TELECOM EQUIPMENT RACK GROUNDING DETAIL
EP601 ONE-LINE DIAGRAM- NORMAL - CU
EP602 EQUIPMENT SCHEDULE
EP604 PANEL SCHEDULES
EP605 PANEL SCHEDULES
EP650 TELECOM CONDUIT RISER DIAGRAM
EL101 LEVEL 1 LIGHITNG PLAN
EL301 LIGHTING SECTIONS
EL601 LIGHTING FIXUTRE SCHEDULES
EL602 LIGHTING RELAY DIAGRAMS & SCHEDULES
EL603 LIGHTING CONTROL SCHEDULES
EY101 LEVEL 1 AUXILIARY PLAN
EY102 ROOF AUXILIARY PLAN
EY551 AUXILIARY DETAILS
EY552 AUXILIARY DETAILS
EY601 FIRE ALARM RISER DIAGRAMS
EY651 AUXILIARY DETAILS
EJ101 LEVEL 1 AUDIO VISUAL ROUGH-IN PLAN
EJ501 AV ROUGH-IN DETAILS AND RISERS DIAGRAMS
TA001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
TA002 AV SYSTEMS EQUIPMENT SCHEDULE
TA101 LEVEL 1 AUDIO VISUAL SYSTEMS PLAN
TA301 AV SYSTEMS ELEVATIONS
TA501 AUDIO VISUAL SYSTEMS DETAILS
TA601 AUDIO VISUAL SYSTEMS DIAGRAMS
TA701 AV SYSTEMS CONNECTION PANEL DETAILS

GENERAL NOTES:

1 THE GENERAL CONTRACTOR SHALL HEREAFTER BE REFERRED TO AS "GENERAL CONTRACTOR" OR "GC". THE OWNER MAY HEREAFTER BE REFERRED TO AS "OWNER".

2 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK REGARDLESS OF THE LOCATION OF THE INFORMATION IN THE DOCUMENTS. THE GENERAL CONTRACTOR SHALL UTILIZE THE COMPLETE & ENTIRE CONSTRUCTION DRAWINGS AND WRITTEN SPECIFICATIONS FOR ALL REQUIRED INFORMATION TO PROVIDE COMPLETE CONSTRUCTION OF THIS PROJECT AND IS RESPONSIBLE TO COORDINATE ALL DRAWINGS AND SPECIFICATIONS WITH ALL SUBCONTRACTORS REGARDLESS OF LOCATION IN CONTRACT DOCUMENTS. ITEMS LISTED IN DRAWINGS MAY NOT BE INCLUDED IN SPECIFICATIONS. ITEMS LISTED IN SPECIFICATIONS MAY NOT BE INCLUDED IN DRAWINGS.

3 UNLESS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS AS BEING NOT IN CONTRACT (N.I.C.) OR EXISTING, ALL ITEMS, MATERIALS AND INSTALLATION OF SAME ARE PART OF THE CONTRACT AS DEFINED BY THE ENTIRE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS. THE GC SHALL PROVIDE AND INSTALL ALL ACCESSORIES, COMPONENTS AND ASSEMBLIES REQUIRED FOR THE WORK DEPICTED OR SPECIFIED.

4 THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. THE GC SHALL ACCEPT PREMISES AS FOUND. OWNER WILL MAINTAIN THE EXISTING CONDITION OF THE SITE AND EXISTING STRUCTURES AT THE TIME OF BIDDING.

5 DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS ARE NOT INTENDED. THE GENERAL CONTRACTOR IS TO CLARIFY WITH THE ARCHITECT ANY SUCH DISCREPANCIES DURING BIDDING AND PRIOR TO COMMENCING WORK.

6 DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS; DO NOT SCALE DRAWINGS TO DETERMINE ANY LOCATIONS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO CONTINUING WITH WORK. CHANGES IN THE WORK TO BE DOCUMENTED IN WRITING AND APPROVED IN WRITING PRIOR TO BEING STARTED - (IMPLEMENTED)

7 ALL PLAN DIMENSIONS ARE FROM GRIDLINE OR FACE OF STUD OR FACE OF BLOCK UNLESS OTHERWISE INDICATED. SEE SECTION ON "DIMENSIONING" THIS SHEET.

8 THE CONTRACTOR SHALL REPORT TO THE ARCHITECT ALL CONDITIONS REQUIRING COORDINATION/ CHANGES WITH THE CONTRACT DOCUMENTS. COORDINATION / APPROVAL SHALL TAKE PLACE BEFORE THE WORK BEGINS. ALL CHANGES TO THE CONTRACT COST SHALL BE APPROVED THROUGH A CHANGE ORDER.

9 DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.

10 THE ARCHITECT WILL REVIEW SHOP DRAWINGS AND SAMPLES FOR CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT. THE ARCHITECT'S REVIEW OF A SEPARATE ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY IN WHICH THE ITEM FUNCTIONS. THE ARCHITECT WILL NOT REVIEW SHOP DRAWINGS UNTIL THE GC HAS REVIEWED AND STAMPED THE SHOP DRAWING/SUBMITTAL. THE GC IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS SHOWN ON THE SHOP DRAWINGS. THE ARCHITECTS REVIEW OF THE SHOP DRAWINGS SHALL NOT OVERRIDE THE CONDITIONS DESCRIBED IN THE CONTRACT DOCUMENTS UNLESS SPECIFICALLY NOTED OTHERWISE BY THE ARCHITECT. WORK SHALL NOT PROCEED WITHOUT RETURNED REVIEWED SUBMITTALS.

11 FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

12 FOR GRADING, TRENCHING ETC., CONTACT THE ARCHITECT FOR INSTRUCTIONS PRIOR TO THE CONTINUATION OF WORK SHOULD ANY UNUSUAL CONDITIONS BECOME APPARENT DURING GRADING OR FOUNDATION CONSTRUCTION. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE GENERAL CONTRACTOR BEFORE CONSTRUCTION.

13 ALL WORK, MATERIALS AND METHODS SHALL BE IN CONFORMANCE WITH THE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION. THE GENERAL CONTRACTOR MUST COMPLY WITH THE CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES.

14 ALL PROJECT CONSTRUCTION SHALL CONFORM WITH ANSI A-117.1-2009, AND THE AMERICANS WITH DISABILITIES ACT (ADA).

15 THE GENERAL CONTRACTOR SHALL NOTIFY ALL APPLICABLE LOCAL GOVERNING AUTHORITIES AND UTILITIES PRIOR TO COVERING UP ANY WORK REQUIRING INSPECTION.

16 THE GENERAL CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXITS AND FIRE LANES IN WORKING ORDER.

17 A GENERAL BUILDING PERMIT IS REQUIRED. BUILDING. PERMITTING BY DFCM, ALL PERMITS OR CONNECTION FEES SHALL BE SECURED BY THE GENERAL CONTRACTOR AND REIMBURSED THROUGH THE OWNER.

18 THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHERS WHERE SHOWN ON PLAN.

19 MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISH SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING BUILDING CODES/ORDINANCES. SEE CODE SUMMARY, SHEET G004.

20 THE GENERAL CONTRACTOR SHALL PROVIDE AND IS SOLELY RESPONSIBLE AND LIABLE FOR PUBLIC AND EMPLOYEE PROTECTION AS NECESSARY AND AS REQUIRED BY THE CODES, INCLUDING EXTERIOR AND INTERIOR PEDESTRIAN TRAFFIC BARRIERS. ALL WORK SHALL CONFORM TO THE ORDINANCES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT.

21 THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES FOR DUST AND NOISE CONTROL, AND ALL REQUIRED ENVIRONMENTAL PROTECTION WHERE WORK JOINS EXISTING CONDITIONS.

22 ALL DEBRIS SHALL BE REMOVED FROM PREMISES AND ALL AREAS SHALL BE LEFT IN A CLEAN (BROOM) CONDITION DAILY.

23 IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE AND OR CALL BLUE STAKES TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND WHEN IDENTIFIED TO PROTECT THEM FROM DAMAGE. THE GENERAL CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF IDENTIFIED UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK.

24 APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE GENERAL CONTRACTOR SHALL ALSO MAINTAIN, IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE ARE TO BE KEPT UNDER THE CARE OF THE JOB SUPERINTENDENT.

25 THE GENERAL CONTRACTOR IS TO PROVIDE BLOCKING AS REQUIRED FOR MOUNTING OF WALL MOUNTED SHELVES, CABINETS, HC GRAB BARS AND PARTITION BRACES AND ALL OTHER ITEMS IDENTIFIED ON THE EQUIPMENT OR ACCESSORY SCHEDULE. BLOCKING SHALL BE FIRE TREATED WHERE REQUIRED BY THE BUILDING CODE.

26 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR RECEIVING, UNLOADING, UNCRATING, INSTALLATION AND HOOK-UP OF ALL OWNER FURNISHED ITEMS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

27 THE GENERAL CONTRACTOR IS TO ASSURE THAT NO REBAR OR REINFORCEMENT IS PRESENT PRIOR TO CORE DRILLING OR PLACING BOLTS OR ANY OTHER ITEM WHICH COULD DISTURB THE STRUCTURAL SLAB OR FOUNDATION WALLS.

28 PROVIDE GALVANIC PROTECTION BETWEEN DISSIMILAR MATERIALS WHERE REQUIRED.

29 PROVIDE METAL TRIM OR CASING AT ALL EDGES OF PLASTER AND DRYWALL SURFACES WHERE IT TERMINATES OR MEETS ANY OTHER MATERIAL, UNLESS NOTED OTHERWISE.

30 PROVIDE METAL CORNER TRIM AT ALL OUTSIDE CORNERS OF PLASTER AND DRYWALL SURFACES.

31 ALL PENETRATIONS THROUGH ANY SURFACE SHALL BE THOROUGHLY SEALED WITH APPROPRIATE SEALANT MATERIAL.

32 UNLESS OTHERWISE NOTED, ALL EXTERIOR AND INTERIOR METAL, TRIM, TREILLAGE, RAILINGS, MOLDINGS, FRAMES, CASTING ETC., SHALL BE PAINTED.

33 FOR PLUMBING, FIRE SPRINKLER AND ELECTRICAL SYSTEMS, PROVIDE APPROVED ASSEMBLIES WITH SELF CLOSING DEVICES FOR ANY PENETRATIONS IN RATED CONSTRUCTION.

34 THE GC SHALL VERIFY LOCATIONS OF ALL CEILING& WALL ACCESS PANELS WITH MECHANICAL, FIRE SPRINKLER AND PLUMBING PLANS. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED WITH A FIRE RATING EQUAL TO THE WALL OR CEILING ASSEMBLY INTO WHICH THEY ARE TO BE INSTALLED. FINISH AND LOCATION SHALL BE APPROVED BY THE ARCHITECT.

35 THE GC SHALL VERIFY DIMENSIONS OF ALL EQUIPMENT PADS & BASES WITH EQUIPMENT MANUFACTURERS & SHALL VERIFY ALL SIZES AND LOCATIONS OF DUCT OPENINGS ON ROOF AND INTERIOR SHAFTS.

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LICENSED ARCHITECT

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REVIEWED FOR CODE COMPLIANCE
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Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

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DFCM Project #24251300
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350 South 900 West, Richfield, UT 84701

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INDEX AND GENERAL NOTES

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SHEET NUMBER:

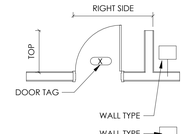
G001

ABBREVIATIONS

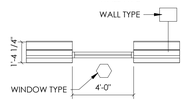
ABBREV	ABBREVIATION (S)
ABB	ABBREVIATION (S)
A.F.F.	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
ACOUS	ACOUSTICAL
A/C	AIR CONDITIONING
ALUM	ALUMINUM
AB	ANCHOR BOLT
APPR	APPROVED
AC	ASPHALT CONCRETE
BM	BEAM
BLK	BLOCK
BD	BOARD
BOT	BOTTOM
B.O.	BOTTOM OF
B.O.B.	BOTTOM OF BEAM
BLDG	BUILDING
CLG	CEILING
CH	CEILING HEIGHT
CEM	CEMENT
C/C	CENTER TO CENTER
CER	CERAMIC
CLR	CLEAR
CLOS	CLOSET
COL	COLUMN
COMPO	COMPOSITION
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION
CONT	CONTINUOUS
CORD	COORDINATE
CORR	CORRIDOR
CSK	COUNTERSINK
DEL	DELETE
DEMO	DEMOLITION
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DIR	DIRECTION
DR	DOOR
DO	DOOR OPENING
DBL	DOUBLE
DF	DOUGLAS FIR
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
EWC	ELECTRIC WATER COOLER
ELEC	ELECTRICAL
ELEV OR EL	ELEVATION
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FOW	FACE OF WALL
FT	FEET
FRP	FIBER REINFORCED PLASTIC
FIN	FINISH
FF	FINISH FLOOR
FO	FINISHED OPENING
FHC	FIRE HOSE CABINET
FLR	FLOOR
FD	FLOOR DRAIN
FS	FLOOR SINK
FDN	FOUNDATION
FH	FULL HEIGHT
FS	FULL SIZE
FSD	FULL SIZE DETAIL
GALV OR GV	GALVANIZED
GA	GAUGE
GC	GENERAL CONTRACTOR
GL	GLASS
GFRC	GLASS FIBER REINFORCED CONCRETE
GR	GRADE
GYP. BD.	GYPSUM BOARD
HDWD	HARDWOOD
H	HIGH
HP	HIGH POINT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
LAV	LAVATORY
LEV	LEVEL
LTWT	LIGHT WEIGHT
LTG	LIGHTING
MAINT	MAINTENANCE
MFG	MANUFACTURER
MO	MASONRY OPENING
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MB	MECHANICAL BOLT
MET	METAL
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MULL	MULLION
(N)	NEW
NR	NON-RATED
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO.	NUMBER
OFF	OFFICE
OC	ON CENTER
OPNG	OPENING
OCC	OPERATOR CONTROL CENTER
OPP	OPPOSITE
OH	OPPOSITE HAND
OD	OUTSIDE DIAMETER
OF	OVERFLOW
OFI	OWNER FURNISH ITEM
OFOI	OWNER FURNISHED OWNER INSTALLED
PR	PAIR
PLAS	PLASTIC
PL	PLATE
PLWD	PLYWOOD
PC	PORTLAND CEMENT
PREP	PREPARATION
PT	PRESSURE TREATED
PTDF	PRESSURE TREATED DOUGLAS FIR
PROJ	PROJECTION
QT	QUARRY TILE
REF	FREFERENCE
R OR RAD	RADIUS
REDW'D	REDWOOD
REFL	REFLECTED
RCP	REFLECTED CEILING PLAN
REINF	REINFORCE
REQ'D	REQUIRED
RES	RESILIENT
RR	RESTROOM(S)
R	RISER
RD	ROOF DRAIN
RTU	ROOF TOP UNIT
RM	ROOM
R.O.	ROUGH OPENING
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STA	STATION
STL	STEEL
STG	STORAGE
STRUCT	STRUCTURAL
SIMUL	SUMULATED
SUSP	SUSPENDED
SYM	SYMMETRICAL
TEL	TELEPHONE
TEMP	TEMPERED
THK	THICK
T&G	TONGUE & GROOVE
TBC	TOP BACK OF CURB
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE OR CURB
T.O.F	TOP OF FOOTING
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TDC	TRAFFIC DECK COVERING
T	TREAD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VER	VERTICAL
WC	WATER CLOSET
WL	WATER LEVEL
WP	WATERPROOFING
W	WIDE
W/	WITH
WD	WOOD
WP	WORKING POINT
WI	WROUGHT IRON

DIMENSIONING LEGEND

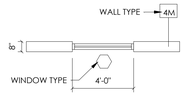
ALL NEW CONSTRUCTION IS SHOWN HATCHED & SHADED AS ILLUSTRATED BELOW.
ALL NEW CONSTRUCTION IS FULLY NOTED AS SHOWN BELOW.
ALL WORK IS NEW UNLESS LABELED "EXISTING"



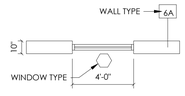
METAL OR WOOD STUD FRAMED WALL
- WALL TYPE DESIGNATES WIDTH OF WALL
- WIDTH OF WALL DIMENSIONED ONLY AT 1/4"=1' OR LARGER SCALE
- DOORS DIMENSIONED TO WIDTH OF NOMINAL OPENING
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE - NOT ROUGH OPENING.



METAL OR WOOD STUD FRAMED WALL W/ MASONRY OR STONE VENEER
- WIDTH OF WALL DIMENSIONED FROM FACE OF MASONRY.
- WIDTH OF MASONRY WALL DIMENSIONED FROM FACE OF STUD.
- DOORS DIMENSIONED TO WIDTH OF NOMINAL OPENING.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE - NOT ROUGH OPENING.



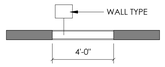
MASONRY WALL
- WIDTH OF WALL DIMENSIONED TO NOMINAL SIZE.
- DOORS DIMENSIONED TO CENTERLINE OF NOMINAL OPENING.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE - NOT MASONRY OPENING.



CONCRETE WALL
- ACTUAL WIDTH OF WALL DIMENSIONED
- DOORS DIMENSIONED TO CENTERLINE OF NOMINAL OPENING.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE - NOT ROUGH OPENING.

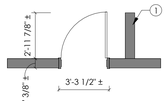
NEW CONSTRUCTION AT EXISTING

NEW CONSTRUCTION SHOWN HATCHED PER MATERIAL W/ THICKER LINE.
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, SOLID GRAY HATCH.

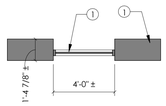


EXISTING CONDITIONS

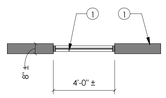
ALL EXISTING CONSTRUCTION IS SHOWN WITHOUT HATCH AS ILLUSTRATED BELOW.
ALL EXISTING CONSTRUCTION IS LABELED "EXISTING" BY KEYNOTE OR OTHERWISE.
ALL DIMENSIONS TO EXISTING ARE APPROXIMATE ONLY AND ARE TO BE FIELD VERIFIED BY THE CONTRACTOR.



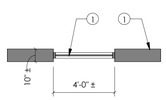
EXISTING
METAL OR WOOD STUD FRAMED WALL.
- WIDTH OF WALL DIMENSIONED TO FINISHED FACE.
- DOORS DIMENSIONED TO NOMINAL DOOR SIZE EXCLUDING FRAME.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE.



EXISTING
METAL OR WOOD STUD FRAMED WALL W/ MASONRY OR STONE VENEER
- WIDTH OF WALL DIMENSIONED FROM FINISHED FACE TO OVERALL NOMINAL WIDTH.
- DOORS DIMENSIONED TO NOMINAL DOOR SIZE EXCLUDING FRAME.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE.



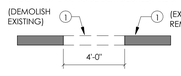
EXISTING
MASONRY WALL (TO REMAIN)
- WIDTH OF WALL DIMENSIONED TO NOMINAL SIZE.
- DOORS DIMENSIONED TO NOMINAL DOOR SIZE EXCLUDING FRAME.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE.



EXISTING
CONCRETE WALL (TO REMAIN)
- NOMINAL WIDTH OF WALL DIMENSIONED.
- DOORS DIMENSIONED TO NOMINAL DOOR SIZE EXCLUDING FRAME.
- WINDOWS DIMENSIONED TO NOMINAL FRAME SIZE.

DEMOLITION AT EXISTING

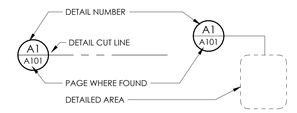
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, SOLID GRAY HATCH.
ALL COMPONENTS TO BE DEMOLISHED ARE SHOWN DASHED, THICK LINE.



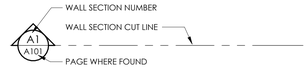
SYMBOLS

℄	CENTER LINE		WORK POINT OR ELEV. BENCH MARK
#	NUMBER	⌀	DIAMETER OR ROUND
°	DEGREE		NORTH ARROW
&	AND		
@	AT	AA	GRID HEAD

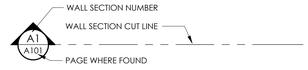
DETAIL TAGS



WALL SECTION TAG



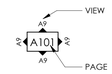
BUILDING SECTION TAG



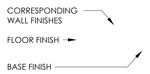
DRAWING TITLE



ELEVATION TAGS



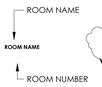
ROOM FINISH TAG



MISCELLANEOUS KEYED NOTE SYMBOLS

- 01 — WINDOW/CURTAIN WALL DESIGNATION. SEE WINDOW SCHEDULE.
- ? — KEYNOTE.
- ? — GLAZING MODIFIER. GLAZING DESIGNATION.
- 201.1 — DOOR DESIGNATION. SEE DOOR SCHEDULE
- F1 — WALL, FLOOR, CEILING, ROOF TYPE DESIGNATION. SEE APPROPRIATE TYPE SHEETS.
- 1 — WALL, FLOOR, BASE, CEILING FINISH TAG. THIS SYMBOL WHEN ATTACHED TO A WALL SHALL INDICATE THIS FINISH FOR ENTIRE LENGTH OF WALL FROM ONE INTERSECTION TO THE NEXT AND NOT BE TERMINATED BY WINDOWS OR DOORS UNO.

ROOM NAME TAG



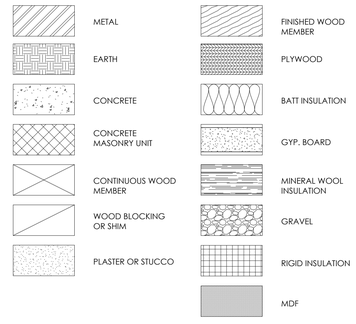
REVISION CLOUD & TAG



DATUM TAG



SECTION MATERIALS LEGEND



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salt lake city, ut 84105
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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ABBREVIATIONS, DIMENSIONING LEGEND, SYMBOLS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

G002

VICINITY MAP



CONTEXT PLAN

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN STABBERT
No. 9719389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

CONTEXT PLAN / VICINITY MAP

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	05/26/2026
ISSUE TYPE:	100% CD
DRAWN BY:	ajc
CHECKED BY:	K. RIGBY
PROJECT#:	2023-41

SHEET NUMBER:

G003

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5/26/2026 9:48:13 AM

CODE ANALYSIS SUMMARY

APPLICABLE CODES

	Year		Year
International Building Code	2021	National Electrical Code	2023
International Mechanical Code	2021	Uniform Code for Building Conservation	2021
International Plumbing Code	2021	ADA Accessibility Guildelines	2009
International Fire Code	2021		
International Energy Conservation Code	2021		

A. Occupancy and Group: B A-3

Change in Use: Yes ____ No X Mixed Occupancy: Yes X No ____

Special Use and Occupancy (e.g. High Rise, Covered Mall): ____

B. Seismic Design Category: D Design Wind Speed: 102 mph

C. Type of Construction (circle one):

I	I	II	II	III	III	IV	V	V
A	B	A	B	A	B	H T	A	B

D. Fire Resistance Rating — Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: Y Nonseparated Uses: Y

F. Sprinklers:

Required: Y Provided: Y Type of Sprinkler System: NFPA 13

G: Number of Stories: 1 Building Height: 23

H: Actual Area per Floor (square feet): 24,200

I: Tabular Area: 'A-3' = 38,000, 'B' - 92,000

J: Area Modifications:

a) $A_a = A_t + \left[\frac{A_t I_f}{100}\right] + \left[\frac{A_t I_s}{100}\right]$ $\quad I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$$

c) Total Allowable Area for:

1) One Story: 'A-3' - 38,000, 'B' - 92,000
2) Two Story: $_tA$ (2)____
3) Three Story: $_tA$ (3)____

d) Unlimited Area Building: Yes ____ No X Code Section: 0

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	0	
Partitions - Permanent	0		Fire Walls	0	
Fire Barriers	0		Fire Partitions	1	U465
			Smoke Partitions	0	

L. Design Occupant Load: 305

Exit Width Required: 68" Exit Width Provided: 216"

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) 4 (f) 4 Provided (m) 7 (f) 7
b) Lavatories - Required (m) 3 (f) 3 Provided (m) 5 (f) 5
c) Bath Tubs or Showers: 0
d) Drinking Fountains: 4 Service Sinks: 1

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts through - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) High Rise Requirements.
   b) Atriums.
   c) Performance Based Criteria.
   d) Means or Egress Analysis.
   e) Fire Assembly Locator Sheet.
   f) Exterior and Interior Accessibility Route.
   g) Fire Stopping, Including Tested Design Number.

LIFE SAFETY SUMMARY

OCCUPANCY SEPARATIONS - IBC TABLE 508.4

A-3 TO B NO SEPARATION

NON-SEPARATED OCCUPANCIES – IBC 508.3

TOTAL COMBINED AREAS 'A-3' & 'B' = 23,381 SF < 38,000 SF ALLOWED AREA OF 'A' - ASSEMBLY (MOST RESTRICTIVE)*

IBC 508.4.2 - ALLOWABLE BUILDING AREA RATIOS

'A-3'/0.23 + 'B'/0.02 = TOTAL <1 / 0.25

FIRE RESISTIVE REQUIREMENTS - IBC CHAPTER 6, TABLE 601

	SPRINKLERED TYPE II- B	
PRIMARY STRUCTURAL FRAME	0.0	HOUR RATING
EXTERIOR	0.0	HOUR RATING
INTERIOR	0.0	HOUR RATING
EXTERIOR NONBEARING WALLS	0.0	HOUR RATING
INTERIOR NONBEARING WALLS	0.0	HOUR RATING
FLOOR (INCLUDING SUPPORTING BEAM AND JOISTS)	0.0	HOUR RATING
ROOF (INCLUDING SUPPORTING BEAM AND JOISTS)	0.0	HOUR RATING
STAIR SHAFT	0.0	HOUR RATING
ELEVATOR SHAFT	0.0	HOUR RATING

FIRE BARRIERS - IBC 706

N/A

CORRIDORS - IBC TABLE 1020.1

		SPRINKLERED	
'B' - BUSINESS	'B'	0	HOUR RATING
'A' - ASSEMBLY	'A-3'	0	HOUR RATING
			HOUR RATING
			HOUR RATING

TRAVEL DISTANCE - IBC SECTION 1017.2

		SPRINKLERED	
'B' - BUSINESS	'B'	300	FT
'A' - ASSEMBLY	'A-3'	250	FT

EXIT SEPARATION - IBC SECTION 1007.1 (EXCEPTION 2)

SEPARATION OF EXITS SHALL BE 1/3 THE LENGTH OF THE MAXIMUM DIAGONAL DIMENSION.

COMMON PATH OF EGRESS TRAVEL - IBC TABLE 1006.2.1

	SPRINKLERED	
'B' - BUSINESS	100	FT
'A' - ASSEMBLY	75	FT

OCCUPANCY LOADS - IBC TABLE 1004.5

	PER OCCUPANT
ASSEMBLY W/O FIXED SEATS,UNCONCENTRATED	15 NET
BUSINESS OFFICES	150 GROSS
STORAGE	300 GROSS
LOCKER ROOMS	50 GROSS

TOTAL OCCUPANTS PER OCCUPANCY TYPE

'B' - BUSINESS	148	OCCUPANTS
'A' - ASSEMBLY	83	OCCUPANTS
		OCCUPANTS
TOTAL OCCUPANTS	230	OCCUPANTS

*SEE ROOM OCCUPANCY SCHEDULE FOR TABULATIONS

NUMBER OF REQUIRED EXITS - IBC TABLE 1006.2.1

	ACCESSIBLE	REQUIRED	PROVIDED
LEVEL 1	6	2	8

EGRESS WIDTH PER PERSON SERVED - IBC 1005.3

EGRESS WIDTH FACTORS BASED ON SPRINKLERED BUILDING PER IBC 1005.3.1	REQUIRED	PROVIDED	
0.3 IN/OC			IN
0.2 IN/OC	46	216	IN

MINIMUM CORRIDOR WIDTHS - IBC TRABLE 1020.2

	REQUIRED	PROVIDED	
STANDARD WIDTH	44	60	IN

DEAD END CORRIDORS - IBC SECTION 1020.5

50 FEET SPRINKLED

INTERIOR WALL AND CEILING FINISH - IBC TABLE 803.13

	'B'	'A-3'
INTERIOR EXIT STAIRWAYS	CLASS 'B'	CLASS 'B'
CORRIDORS / ENCLOSURE	CLASS 'C'	CLASS 'B'
EXIT ACCESS STAIRWAYS ROMMS AND ENCLOSED SPACES	CLASS 'C'	CLASS 'C'

PORTABLE FIRE EXTINGUISHERS - IBC SECTION 906.3

MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER 75 FEET

BUILDING AREA SUMMARY

GROSS BUILDING AREA

NEW CONSTRUCTION

LEVEL 1	**24,200**
TOTAL	**24,200**

ALLOWABLE BUILDING HEIGHT - IBC CHAPTER 5, TABLE 504.3

TYPE II - B 'B' BUSINESS

ALLOWED BUILDING HEIGHT: **75**
ACTUAL BUILDING HEIGHT: **25**

TYPE II - B 'A' ASSEMBLY

ALLOWED BUILDING HEIGHT: **75**
ACTUAL BUILDING HEIGHT: **25**

ALLOWED BUILDING HEIGHT:
ACTUAL BUILDING HEIGHT:

ALLOWABLE STORIES ABOVE GRADE PLANE - IBC CHAPTER 5, TABLE 504.4

TYPE II - B 'B' BUSINESS

ALLOWED BUILDING STORIES: **4**
ACTUAL BUILDING STORIES: **1**

TYPE II - B 'A' ASSEMLY GROUP A-3

ALLOWED BUILDING STORIES: **3**
ACTUAL BUILDING STORIES: **1**

ALLOWED BUILDING STORIES:
ACTUAL BUILDING STORIES:

ALLOWABLE BUILDING AREA - IBC CHAPTER 5, TABLE 506.2

TYPE II - B 'B' BUSINESS

ALLOWED BUILDING AREA: **92,000**
ACTUAL BUILDING AREA: **22,305**

TYPE II - B 'A' ASSEMBLY GROUP A-3

ALLOWED BUILDING AREA: **38,000**
ACTUAL BUILDING AREA: **1,895**

ALLOWED BUILDING AREA:
ACTUAL BUILDING AREA:

CONTINUOUS AIR BARRIER

THE BUILDING THERMAL ENVELOPE SHALL INCLUDE A CONTINUOUS AIR BARRIER SYSTEM IN ACCORDANCE WITH 2021 IECC SECTION C402.5.1.4.

THE AIR BARRIER SHALL BE CONTINUOUS ACROSS ALL ASSEMBLIES AND PENETRATIONS AND SHALL BE SEALED, CAULKED, GASKETED, OR OTHERWISE SECURED TO LIMIT AIR LEAKAGE.

ALL PENETRATIONS THROUGH THE AIR BARRIER SHALL BE SEALED IN AN APPROVED MANNER.

BUILDING CODE SUMMARY

APPLICABLE BUILDING CODES

INTERNATIONAL BUILDING CODE (IBC)	2021
INTERNATIONAL FIRE CODE (IFC)	2021
INTERNATIONAL MECHANICAL CODE (IMC)	2021
INTERNATIONAL PLUMBING CODE (IPC)	2021
NATIONAL ELECTRICAL CODE (NEC)	2023
INTERNATIONAL FUEL GAS CODE	2021
INTERNATIONAL ENERGY CONSERVATION CODE	2021
INTERNATIONAL EXISTING BUILDING CODE	2021
ICC ANSI A117.1	2009
UTAH AMENDMENTS, TITLE 15A	2023
ADA STANDARDS	
FAIR HOUSING ACT DESIGN MANUAL	

PROJECT SUMMARY

THE PROJECT CONSISTS OF THE NEW CONSTRUCTION OF A SINGLE-STORY MULTI-AGENCY GOVERNMENT FACILITY LOCATED IN RICHFIELD, UTAH. THE BUILDING PROVIDES OFFICE, PUBLIC SERVICE, AND SUPPORT SPACES FOR MULTIPLE STATE AND LOCAL AGENCIES, INCLUDING PUBLIC-FACING FUNCTIONS SUCH AS WAITING AREAS, TESTING ROOMS, AND CONFERENCE SPACES, AS WELL AS ADMINISTRATIVE AND SECURE SUPPORT AREAS.

THE BUILDING IS OF TYPE II-B CONSTRUCTION AND IS FULLY PROTECTED BY AN NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM. THE PRIMARY OCCUPANCIES INCLUDE BUSINESS (GROUP B) AND ASSEMBLY (GROUP A-3), UTILIZING NON-SEPARATED OCCUPANCY PROVISIONS PER IBC SECTION 508.3.

THE PROJECT INCLUDES ASSOCIATED SITE IMPROVEMENTS, ACCESSIBLE ROUTES, AND BUILDING SYSTEMS NECESSARY TO SUPPORT THE INTENDED USE.

RISK CATEGORY OF BUILDING - IBC TABLE 1604.5

CURRENT: II

OCCUPANCY CLASSIFICATION - IBC CHAPTER 3

B	BUSINESS
A	ASSEMBLY GROUP A-3

TYPE OF CONSTRUCTION - IBC CHAPTER 6 & SECTION 403 HIGH RISE

TYPE II - B SPRINKLED

AUTOMATIC SPRINKLER SYSTEM - IBC SECTION 903.2.8 & 403.2.1

NFPA 13

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STATE OF UTAH — HEBER EBEN CRAWLEY — No. 9715389-0301 — 05.26.2026 — LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND GOVERNMENTAL REVIEW

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

CODE SUMMARY

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision
2	06/04/2026	ADDENDUM 01

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

G004

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ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE ANY WORK IS COMMENCED. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY RESULTING DISCREPANCIES. THESE DRAWINGS ARE NOT TO BE USED FOR ANY WORK UNLESS IT BEARS THE SEAL AND SIGNATURE OF THE ARCHITECT. ALL DRAWINGS, MODELS, AND COPIES THEREOF FURNISHED BY AJC ARCHITECTS PC ARE AND SHALL REMAIN THE PROPERTY OF AJC ARCHITECTS PC. THEY ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE LOANED, COPIED OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF AJC ARCHITECTS PC. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RESERVED. ANY UNAUTHORIZED USE, DISCLOSURE OR REPRODUCTION IS STRICTLY PROHIBITED AND MAY RESULT IN SEVERE CIVIL AND CRIMINAL PENALTIES. ANY MEMBER OF THE PUBLIC WHO OBTAINS A COPY OF THESE DRAWINGS AND/OR SPECIFICATIONS FROM A GOVERNMENTAL AGENCY AGREES TO BE BOUND BY THE FOREGOING RESTRICTIONS. ANY UNAUTHORIZED USE OF THESE DRAWINGS AND/OR SPECIFICATIONS SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO AJC ARCHITECTS PC. ANY ALTERATION OF THESE DRAWINGS AND/OR SPECIFICATIONS WILL RENDER THE ARCHITECT OF RECORD'S SEAL AND ANY PROFESSIONAL CERTIFICATIONS NULL AND VOID AND MISAPPROPRIATION IN VIOLATION OF 17 U.S.C. § 1202, AND OTHER LAWS.



1 **FIRE & LIFE SAFETY PLAN**
1/8" = 1'-0"

0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

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GENERAL NOTES

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

THIS IS A REFLECTED CEILING PLAN AND IS NOT TO BE INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN. SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS/GRILLES ETC.

CODE LEGEND (PRINT IN COLOR)

WALL TYPE

* FOR UL LISTING, SEE THE UL LISTING SHEETS

FIRE BARRIER

WALL FIRE RATING

* FOR UL LISTING, SEE THE UL LISTING SHEETS

1 HOUR RATED FIRE ASSEMBLY
- FIRE PARTITION

SYMBOLS

EXIT TRAVEL DISTANCE

FE — FIRE EXTINGUISHER

FDC — FIRE DEPARTMENT CONNECTION (E)

180 / 30 EXIT — DOOR EXIT CAPACITY / REQUIRED EXIT CAPACITY

FR — FIRE RISER

ACCESSIBLE INDICATOR

UL NOTES

REFERENCES:
- UL FIRE RESISTANCE DIRECTORY; CURRENT EDITION.
- NFPA 101 LIFE SAFETY CODE
- ALL GOVERNING LOCAL AND REGIONAL BUILDING CODES

FIRESTOP SYSTEM INSTALLATION MUST MEET REQUIREMENTS OF ASTM E1966 (UL 2079) TESTED ASSEMBLIES THAT PROVIDE A FIRE RATING EQUAL TO THAT OF THE SURROUNDING CONSTRUCTION.

FIRE PROTECTION NOTES

REQUIRED MEANS OF EGRESS AND FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE BUILDING. FIRE PREVENTION BUREAU STAFF SHALL APPROVE REVIEW OF ANY EXITING ALTERATIONS. AS REQUIRED IN IFC SECTION 3311

AUTOMATIC FIRE SPRINKLER, FIRE SUPPRESSION AND FIRE ALARM SYSTEMS WHEN TAKEN OUT OF SERVICE ARE REQUIRED TO HAVE THE FIRE PREVENTION BUREAU NOTIFIED. THE DURATION OF TIME AND THE DATE MUST BE STATED TO INCLUDE THE DATE WHICH THE FIRE PROTECTION EQUIPMENT WILL BE PLACED IN SERVICE. AS REQUIRED IN IFC CHAPTER 33.

ALL DEFERRED (IBC 107.3.4.1) SUBMITTAL ITEM(S) NEED TO BE SUBMITTED WITHIN A TIMELY MANNER (30 CALENDAR DAYS OF THE ORIGINAL BUILDING PERMIT ISSUANCE DATE). THE FINAL INSPECTION APPROVAL (IBC 110.3.10) CANNOT BE ISSUED AND NO BUILDING OR STRUCTURE CAN BE USED OR OCCUPIED (IBC 111.1) UNTIL ALL THE DEFERRED SUBMITTED ITEMS ARE APPROVED BY THE BUILDING OFFICIAL.

FLOOR CARPET SHALL BE TESTED IN ACCORDANCE TO NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 253 AND BE A CLASS I (0.45 WATTS/CM2) IN CORRIDORS, EXIT ENCLOSURES, EXIT PASSAGEWAYS AND CLASS II (0.22 WATTS/CM2) IN ALL ROOMS AND AREAS.

ACOUSTICAL CEILING PANELS SHALL BE LISTED AND TESTED AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450. IF THE CEILING TILE IS A COMPONENT PART OF A PLENUM SYSTEM THEN IT SHALL BE LISTED AND TESTED AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-50.

FIRE ALARM SYSTEM SHALL BE INSTALLED WHEN THERE ARE EXTINGUISHING SYSTEMS IN THE BUILDING FOR OCCUPANT NOTIFICATION. FIRE ALARM SYSTEM HORN AND STROBE SHALL BE INSTALLED UNLESS WITHIN THE AREA APPLIANCES ARE INSTALLED AND THE AREA HAS THE REQUIRED DB RATING AS PRESCRIBED IN INTERNATIONAL FIRE CODE 907.5.2.1.1 & VISIBLE REQUIREMENTS IN SECTION 907.5.2.3. FULLY ADDRESSABLE FIRE ALARM SYSTEM WITH AUDIBLE AND VISIBLE NOTIFICATION PROVIDED THROUGHOUT PER IFC 907.

FIRE EXTINGUISHERS PROVIDED PER IBC 906 AND NFPA 10; MAX TRAVEL DISTANCE 75 FT (SPRINKLERED).

DEFERRED SUBMITTALS

1. FIRE ALARM
2. FIRE SPRINKLER

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

FIRE & LIFE SAFETY PLAN

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE:	**05/26/2026**
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DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

G005



1 **ADA COMPLIANCE PLAN**
1/8" = 1'-0", DWG REF: A200

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK. AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

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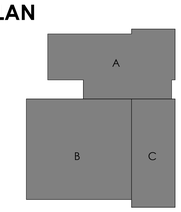
KEYED NOTES:

KEYPLAN



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No. 9715389-0301
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LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ACCESSIBILITY COMPLIANCE PLAN

REVISIONS

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1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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G006

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GENERAL NOTES:

- REFER TO DOOR HARDWARE SPECIFICATIONS FOR DOOR HARDWARE ADA REQUIREMENTS AND STANDARDS.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL DEVICES ADA MOUNTING HEIGHT REQUIREMENTS.
- REFER TO SITE PLAN FOR ACCESSIBLE ROUTE REQUIREMENTS AND DETAIL REFERENCES. (NOT APPLICABLE TO ALL PROJECTS.)
- UNLESS NOTED AS "MIN." OR "MAX" DIMENSIONS SHOWN ARE ABSOLUTE. DIMENSIONS SHOWN HERE SHALL GOVERN THE INSTALLATION OF ALL ACCESSIBLE FIXTURES AND ACCESSORIES. UNLESS MORE SPECIFIC DIMENSIONS ARE SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS THAT ARE WITHIN THE PERMISSIBLE LIMITS SHOWN HERE.
- MOUNTING HEIGHTS OF RESTROOM FIXTURES AND ACCESSORIES. PROVIDE BACKING AT ALL WALL MOUNTED FIXTURES AND EQUIPMENT.

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AHJ

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ADA REQUIREMENTS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

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PROJECT#: **2023-41**

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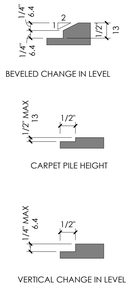
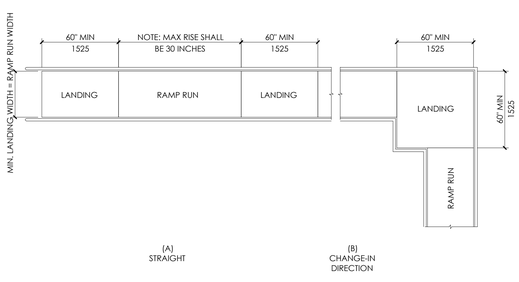
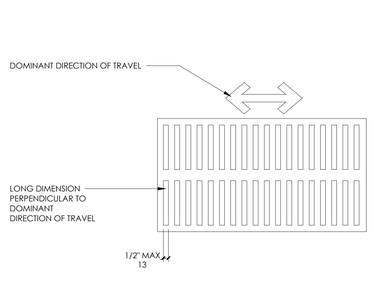


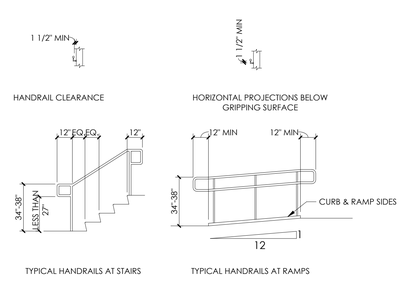
A4 LEVEL CHANGE §302
6" = 1'-0" ,



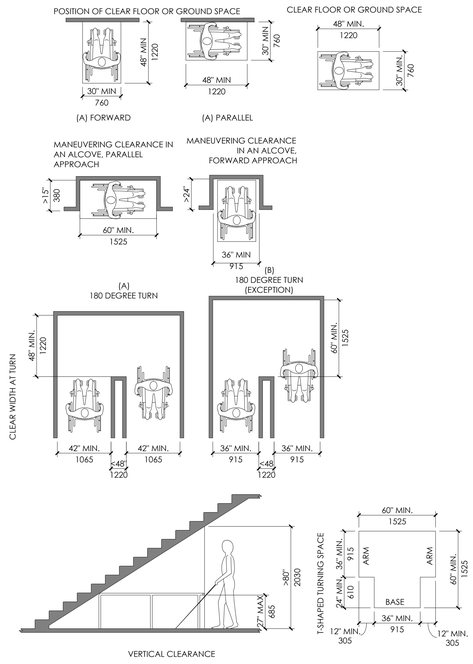
A3 RAMP LANDINGS
1/4" = 1'-0" ,



A2 ELONGATED OPENINGS §303.3
1/4" = 1'-0" ,

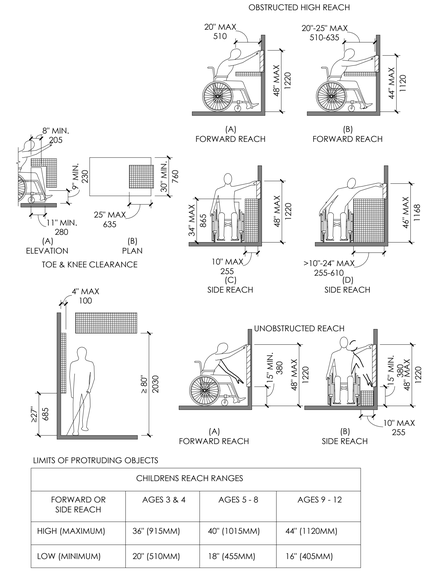


A1 HANDRAIL REQUIREMENTS
1/4" = 1'-0" ,



A7 CLEAR FLOOR SPACE & HEIGHT REQUIREMENTS §305

1/4" = 1'-0" ,

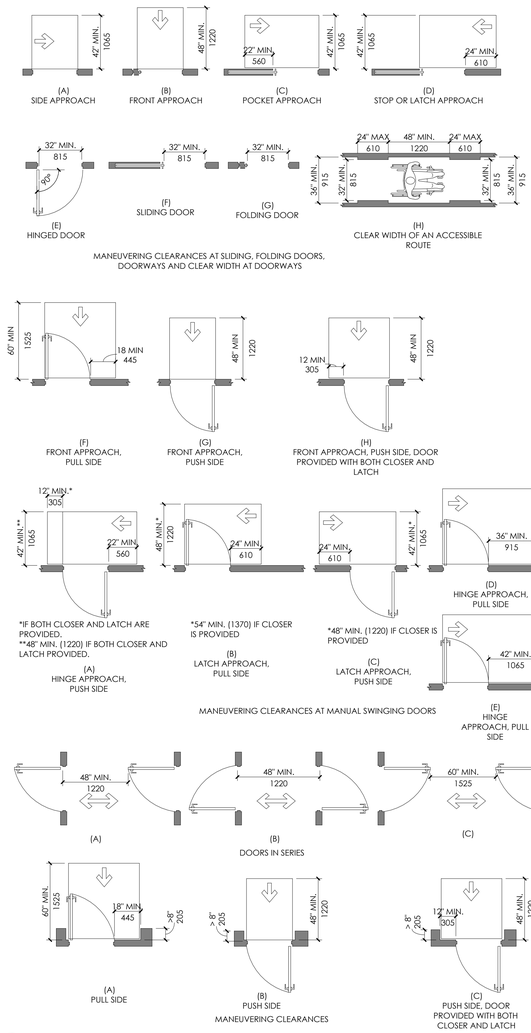


LIMITS OF PROTRUDING OBJECTS

CHILDRENS REACH RANGES			
FORWARD OR SIDE REACH	AGES 3 & 4	AGES 5 - 8	AGES 9 - 12
HIGH (MAXIMUM)	36" (915MM)	40" (1015MM)	44" (1120MM)
LOW (MINIMUM)	20" (510MM)	18" (455MM)	16" (405MM)

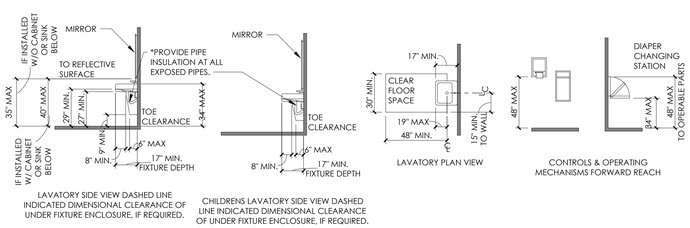
A4 REACH REQUIREMENTS §306-308

1/4" = 1'-0" ,



A6 DOOR AND DOORWAY CLEARANCE REQUIREMENTS §404

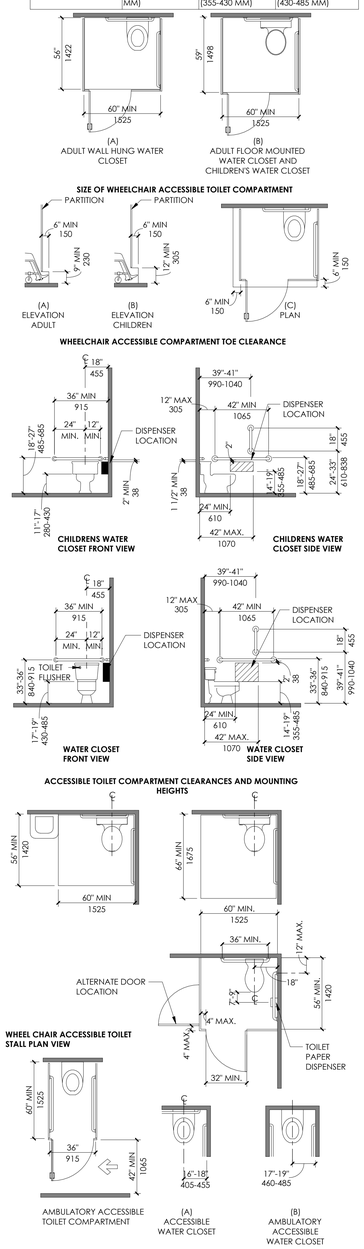
1/4" = 1'-0" ,



A3 LAVATORY ACCESSORY CLEARANCES

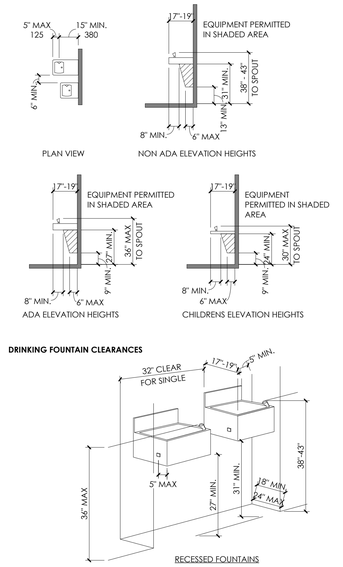
1/4" = 1'-0" ,

	AGES 3 & 4	AGES 5 THRU 8	AGES 9 THRU 12
WATER CLOSET CENTERLINE	12 INCHES (305 MM)	12-15 INCHES (305-380 MM)	15-18 INCHES (380-455 MM)
TOILET SEAT HEIGHT	11 TO 12 INCHES (280 - 305 MM)	12-15 INCHES (305-380 MM)	15-17 INCHES (380-430 MM)
GRAB BAR HEIGHT	18 - 20 INCHES (455-510 MM)	20-25 INCHES (510-635 MM)	25-27 INCHES (635-685 MM)
DISPENSER HEIGHT	14 INCHES (355 MM)	14-17 INCHES (355-430 MM)	17-19 INCHES (430-485 MM)



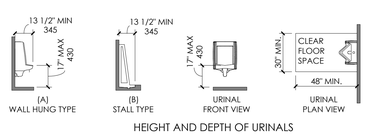
A2 TOILET CLEARANCE REQUIREMENTS §604.2

1/4" = 1'-0" ,



A5 WATER COOLER REQUIREMENTS §602

1/4" = 1'-0" ,



A1 URINAL CLEARANCE REQUIREMENTS

1/4" = 1'-0" ,

GENERAL NOTES:

- REFER TO DOOR HARDWARE SPECIFICATIONS FOR DOOR HARDWARE ADA REQUIREMENTS AND STANDARDS.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL DEVICES ADA MOUNTING HEIGHT REQUIREMENTS.
- REFER TO SITE PLAN FOR ACCESSIBLE ROUTE REQUIREMENTS AND DETAIL REFERENCES. (NOT APPLICABLE TO ALL PROJECTS.)
- UNLESS NOTED AS "MIN." OR "MAX" DIMENSIONS SHOWN ARE ABSOLUTE. DIMENSIONS SHOWN HERE SHALL GOVERN THE INSTALLATION OF ALL ACCESSIBLE FIXTURES AND ACCESSORIES. UNLESS MORE SPECIFIC DIMENSIONS ARE SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS THAT ARE WITHIN THE PERMISSIBLE LIMITS SHOWN HERE.
- MOUNTING HEIGHTS OF RESTROOM FIXTURES AND ACCESSORIES. PROVIDE BACKING AT ALL WALL MOUNTED FIXTURES AND EQUIPMENT.

DRINKING FOUNTAIN CLEARANCES

1. RECESSED FOUNTAINS:
WITHIN ALCOVES MINIMUM 63" WIDE, MINIMUM 18" DEEP WHEN DOUBLE DRINKING FOUNTAINS ARE REQUIRED AND 32" MIN. CLR. WHEN A SINGLE FOUNTAIN IS PERMITTED.
A. CONTRACTOR SHALL COORDINATE WITH SIZE OF WATER FOUNTAIN TO BE USED AND SIZE ALCOVE ACCORDINGLY COMPLYING WITH REQUIREMENTS AND RECOMMENDATIONS AND COORDINATING WITH THE ARCHITECT.

2. PROJECTED FOUNTAINS:
WARNING FOR THE VISION IMPAIRED AT A PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS:
A. THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH A TEXTURE THAT CONTRASTS IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL, SO THAT IT CAN BE SENSED BY A CANE, WITH THE TEXTURE EXTENDING FROM THE WALL TO ONE FOOT BEYOND THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ONE FOOT BEYOND EACH SIDE OF THE FOUNTAIN, OR
INSTALL WING WALLS ON EACH SIDE OF THE DRINKING FOUNTAIN TO B.
PROJECT OUT FROM THE MAIN WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF THE PATH OF TRAVEL FLOOR FINISH. THERE MUST BE 32" CLEAR BETWEEN THE WING WALLS.

NOTE:
ILLUSTRATIONS SHOWN HERE ARE FOR DIMENSIONAL ACCESSIBILITY PURPOSES ONLY. A SECOND DRINKING FOUNTAIN SHOULD BE PROVIDED AT A MOUNTING HEIGHT SUITABLE TO PERSONS WITH LIMITED PHYSICAL BENDING ABILITY, ADJACENT TO THE ACCESSIBLE FOUNTAIN, MAINTAINING MINIMUM CLEARANCES NOTED AND AS REQUIRED. PROVIDE TEXTURED AREA OF CONTRASTING COLOR TO IDENTIFY WATER FOUNTAIN LOCATION AS NOTED. WHEN FOUNTAIN IS AT AN INTERIOR LOCATION, THE TEXTURED AREA SHALL ALSO BE OF DIFFERENT RESILIENCY THAN THAT OF THE ADJACENT FLOOR SURFACE FINISH. SEE TYPICAL ACCESSIBILITY NOTES SHEET FOR ADDITIONAL REQUIREMENTS.

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salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH — HEBER EBEN GARRETT — No. 9115369-0301 — 05.26.2026 — LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE — 05/05/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ADA REQUIREMENTS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

G008

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:48:30 AM
ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF AJC ARCHITECTS PC. ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY AJC ARCHITECTS PC ARE AND SHALL REMAIN THE PROPERTY OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BETWEEN ACTUAL DIMENSIONS AND CONDITIONS AND THOSE INDICATED ON THESE DRAWINGS BEFORE PROCEEDING WITH THE FABRICATION OF ANY PART OF THE WORK. ANY MISAPPROPRIATION IN VIOLATION OF 17-24-2-31-1 ET. SEQ. AND OTHER LAWS.

DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT

Office of the State Building Official
4315 S 2700 W Taylorsville, UT 84129
Phone: (801) 538-3018
Website: http://dfcm.utah.gov/

Special Inspection, Material Testing & Structural Observation Items Required by Chapter 17 of the 2021 IBC

Indicate items requiring special inspection, structural testing, or structural observations by checking the appropriate box. All items not requiring inspection/testing should be removed from the form. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases "periodic" inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. The "Detailed Instructions & Frequency" provides a description of the presumed requirements for tasks requiring "periodic" inspections. The design professional in responsible charge should revise the requirements as needed on a project-specific basis.

FABRICATORS (IBC 1704.2.5.1 & 1705.10)

☐ Approved Fabricator | Yes | No

Fabricators Name:	
Fabricators plant location	
Required In-plant Inspections	☐ Steel Construction ☐ Cold-formed Construction ☐ Concrete Construction ☐ Other: _____ ☐ Wood Construction ☐ Other: _____

STRUCTURAL STEEL (IBC 1705.2.1, 1705.12.1 & 1705.13.1)

Item			*Detailed Instructions and Frequencies*
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-16):			
Welder qualification records	☒ Observe	☐ Perform	Verify welder qualification records and continuity records.
Welding procedures (WPS) and consumable certificates	☐ Observe	☒ Perform	
Material identification	☒ Observe	☐ Perform	Verify type and grade of material.
Welder identification	☒ Observe	☐ Perform	Confirm a system is in place by which a welder who has welded a joint or member can be identified.
Fit-up groove welds	☒ Observe	☐ Perform	Verify joint preparation, dimensions, cleanliness, tacking, and backing.
Fit-up of CJP welds to HSS T-, Y- and K- joints without backing	☒ Observe	☐ Perform	Verify joint preparation, dimensions, cleanliness and tacking.
Access holes	☒ Observe	☐ Perform	Verify configuration and finish.
Fit-up of fillet welds	☒ Observe	☐ Perform	Verify dimensions, cleanliness and tacking.
DURING WELDING (TABLE N5.4-2, AISC 360-16):			
Control and handling of welding consumables	☒ Observe	☐ Perform	Verify packaging and exposure control.
Cracked tack welds	☒ Observe	☐ Perform	Verify that welding does not occur over cracked tack welds.
Environmental conditions	☒ Observe	☐ Perform	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	☒ Observe	☐ Perform	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.

Welding techniques	☒ Observe	☐ Perform	Verify interpass and final cleaning, each pass is within profile limitations, and quality of each pass.
Headed stud anchors	☐ Observe	☒ Perform	Verify placement and installation of head stud anchors.
AFTER WELDING (TABLE N5.4-3, AISC 360-16):			
Welds cleaned	☒ Observe	☐ Perform	Verify that welds have been properly cleaned.
Size, length, and location of welds	☐ Observe	☒ Perform	Verify the size, length and location of welds.
Welds meet visual acceptance criteria	☐ Observe	☒ Perform	Verify that welds meet crack prohibition, base metal fusion, profile, size, undercut, and porosity provisions.
Arc strikes	☐ Observe	☒ Perform	Verify that arc strikes do not exist outside the permanent weld areas.
k-area	☐ Observe	☒ Perform	When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks.
Backing & weld tabs removed	☐ Observe	☒ Perform	If required on the approved construction documents, verify that back and weld tabs are removed.
Repair activities	☐ Observe	☒ Perform	Verify that repair activities are performed in accordance with AISC 360 and AWS D1.1.
Documentation	☐ Observe	☒ Perform	Document the acceptance or rejection of the welded joint or member.
Prohibited welds	☒ Observe	☐ Perform	Verify that no prohibited welds have been added with the approval of the engineer of record.
NONDESTRUCTIVE TESTING (SECTION N5, AISC 360-16):			
CJP welds (Risk Cat. II)	☐ Observe	☒ Perform	UT testing shall be performed on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater. (This must be performed on 100% of CJP welds in SDC 'D-F' per AISC 341.)
Welded joints subject to fatigue	☐ Observe	☒ Perform	Welded joints subject to fatigue (see Table A-3.1 of AISC 360) shall have radiographic or UT testing.
PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-16):			
➢ *Not required if only snug-tight joints are specified [per Section N5.6(1) of AISC 360-16].*			
Certifications of fasteners	☐ Observe	☒ Perform	Verify that manufacturer's certificates are available for fastener materials.
Fasteners marked	☒ Observe	☐ Perform	Verify that fasteners have been marked in accordance with ASTM requirements.
Proper fasteners for joint	☒ Observe	☐ Perform	Verify grade, type, and bolt length if threads are excluded from the shear plane.
Proper bolting procedure	☒ Observe	☐ Perform	Verify proper procedure is used for the joint detail.
Connecting elements	☒ Observe	☐ Perform	Verify appropriate faying surface condition and hole preparation, if specified, meet requirements.
Pre-installation verification testing	☒ Observe	☐ Perform	Observe and document verification testing by installation personnel for fastener assemblies and methods used.
Proper storage	☒ Observe	☐ Perform	Verify proper storage of bolts, nuts, washers, and other fastener components.
DURING BOLTING (TABLE N5.6-2, AISC 360-16):			
➢ *Not required if only snug-tight joints are specified [per Section N5.6(1) of AISC 360-16].*			
➢ *Not required for pretensioned joints using turn-of-the-nut method with match-marking, direct-tension-indicators, or twist-off type tension control method [per Section N5.6(2) of AISC 360-16].*			

Fastener assemblies	☒ Observe	☐ Perform	Verify that fastener assemblies are of suitable condition, paced in all holes, and washers are positioned as required.
Snug-tight prior to pretensioning	☒ Observe	☐ Perform	Verify that joints are brought to snug-tight condition prior to pretensioning operation.
Fastener component	☒ Observe	☐ Perform	Verify that fastener component is not turned by wrench prevented from rotating.
Pretensioned fasteners	☒ Observe	☐ Perform	Verify that fasteners are Pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges.
AFTER BOLTING (TABLE N5.6-3, AISC 360-16):			
Documentation	☐ Observe	☒ Perform	Document the acceptance or rejection of bolted connections.
OTHER STEEL INSPECTIONS (SECTION N5.7 & N5.8, AISC 360-16; Tables 28.1 & J10.1, AISC 341-16):			
Galvanized structural steel	☒ Observe	☐ Perform	Verify that exposed cut surfaces of galvanized structural steel does not include cracks prior to galvanizing the surface.
Structural steel details	☒ Observe	☐ Perform	All fabricated steel or steel frames shall be inspected to verify compliance with the details shown in the approved construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection.
Anchor rods and other embedments supporting structural steel	☒ Observe	☐ Perform	Shall be on the premises during the placement of anchor rods and other embedments supporting structural steel for compliance with construction documents. Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
Protected zones	☐ Observe	☒ Perform	Verify that no holes or unapproved attachments are made within the protected zone *(see Table J8.1 of AISC 341-16).*
COMPOSITE CONSTRUCTION – STEEL & CONCRETE (TABLES J9.1, J9.2, J9.3 of AISC 341-16):			
Prior to concrete placement	☒ Observe	☐ Perform	Verify type and grade of reinforcing steel; carbon equivalent if other than A706 bars; proper reinforcing steel size, spacing and orientation; that bar has not been re-bent; bar is tied and supported; proper clearances are provided; and composite member has required size.
During concrete placement	☒ Observe	☐ Perform	Verify appropriate mix design; limitations on water added to truck/pump; and proper placement techniques are used to limit segregation.
After concrete placement	☒ Observe	☐ Perform	Document that minimum concrete compressive strength was achieved at specified age.
STEEL ROOF AND FLOOR DECKS (IBC 1705.2.2 and SDI QA/QC - 2017):			
Prior to metal deck attachment	☐ Observe	☒ Perform	Verify and document compliance of materials (deck and all deck accessories) with approved construction documents, including profiles, material properties, and base metal thickness.
After metal deck placement	☐ Observe	☒ Perform	Verify and document compliance of deck, and deck accessories, installation with the approved construction documents. Verify that mill certificates comply with

			approved construction documents.
Prior to welding	☒ Observe	☐ Perform	Verify that welding procedures and certifications of consumables are available, material is properly identified, and welding equipment is appropriate.
During welding	☒ Observe	☐ Perform	Verify that welders are qualified, proper handling of consumables is provided, that environmental conditions are acceptable and WPS is followed.
After welding	☐ Observe	☒ Perform	Verify size, location and appearance of welds. Verify that repair activities are acceptable.
Prior to mechanical fastening	☒ Observe	☐ Perform	Verify that manufacturer's installation instructions and tools are available. Verify proper storage of fasteners.
During mechanical fastening	☒ Observe	☐ Perform	Verify that fasteners are positioned appropriately and installed per manufacturer's instructions.
After mechanical fastening	☐ Continuous	☒ Periodic	Verify spacing and type of all fasteners. Verify that repair activities are acceptable.

CONCRETE CONSTRUCTION (IBC 1705.3 & 1705.12.1)

Item			*Detailed Instructions and Frequencies*
Reinforcing steel, including prestressing tendons	☐ Continuous	☒ Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Welding of reinforcing steel	☐ Continuous	☒ Periodic	Visually inspect all welds and also verify weldability of reinforcing steel based upon carbon equivalent and in accordance with AWS D1.4. Continuously inspect any welds over 5/16" thick.
Cast-in bolts & embeds	☐ Continuous	☒ Periodic	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used.
Post-installed anchors or dowels	☐ Continuous	☒ Periodic	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. Horizontally or upwardly inclined anchors that resist sustained tension loads require continuous inspection and approved installers.
Use of required mix design	☐ Continuous	☒ Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch. 19, 26.4.3, 26.4.4; and IBC 1904.1, 1904.2.
Concrete sampling for strength tests, slump, air content, and temperature	☒ Continuous	☐ Periodic	
Concrete & shotcrete placement	☒ Continuous	☐ Periodic	
Curing temperature and techniques	☐ Continuous	☒ Periodic	Verify that the ambient temperature for concrete is kept at > 50°F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 26.5.3-26.5.5). The ambient temperature for shotcrete shall be > 40°F for the same period of time as noted for concrete. Shotcrete shall be kept

			continuously moist for at least 24 hours after shotcreting. All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
Formwork	☐ Continuous	☒ Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.

MASONRY CONSTRUCTION (IBC 1705.4)

Item			*Detailed Instructions and Frequencies*
PRIOR TO CONSTRUCTION (Table 3, TMS-602-16):			
Review material certificates, mix designs, test results and construction procedures	☐ Continuous	☒ Periodic	Verify that materials conform to the approved construction documents. Mix design, test results, material certificates, and construction procedures should be submitted to inspector for review. Mortar mix designs shall conform to ASTM C 270 while grout shall conform to ASTM C 476. Material certificates shall be provided for reinforcement; anchors, ties, fasteners, and metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction shall be reviewed.
AS MASONRY CONSTRUCTION BEGINS (TABLE 4, TMS-602-16):			
Proportions of site-prepared mortar	☐ Continuous	☒ Periodic	Verify that mortar is of the type and color specified on the construction documents, that it conforms to ASTM C 270, and that it is mixed in accordance with Article 2.6 A of TMS-602-16.
Reinforcement, connectors, and anchorages	☐ Continuous	☒ Periodic	Verify that reinforcement, connectors, and anchorages are of the proper grade, type and size in accordance with Article 3.4 of TMS-602-16. Prestressing tendons shall be placed per Article 3.6 A.
Sample panel	☐ Continuous	☒ Periodic	Verify that sample panels are properly constructed and that subsequent work conforms per Article 1.6 D of TMS-602-16. (If Risk Category IV this should be performed on a continuous basis.)
PRIOR TO GROUTING (TABLE 4, TMS-602-16):			
Grout space	☐ Continuous	☒ Periodic	Verify that grout space is free of mortar droppings, debris, loose aggregate, and other deleterious materials and that cleanouts are provided per Article 3.2 D and 3.2 F of TMS-602-16. (If Risk Category IV this should be performed on a continuous basis.)
Placement of reinforcement, connectors, and anchor bolts	☐ Continuous	☒ Periodic	Verify that reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors are installed in accordance with the approved construction documents and Articles 3.2 E and 3.4 of TMS-602-16. (If Risk Category IV this should be performed on a continuous basis.)

DURING MASONRY CONSTRUCTION (TABLE 4, TMS-602-16):			
Materials and procedures	☐ Continuous	☒ Periodic	Ensure that materials and procedures conform to the approved construction documents and Article 1.5 of TMS-602-16.
Placement of masonry units and mortar joint construction	☐ Continuous	☒ Periodic	Verify that masonry units are properly placed and that mortar joint construction conforms to Article 3.3 B of TMS-602-16.
Size and location of structural elements	☐ Continuous	☒ Periodic	Verify the locations of structural elements with respect to the approved plans and confirm that tolerances meet the requirements of Article 3.3 F of TMS-602-16.
Type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction.	☐ Continuous	☒ Periodic	Verify that correct anchorages and connections are provided per the approved plans and Sections 1.2.1, 6.2.1 and 6.3.1 of TMS-402-16. (If Risk Category IV this should be performed on a continuous basis.)
Welding of reinforcement	☒ Continuous	☐ Periodic	
Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F).	☐ Continuous	☒ Periodic	Verify that cold-weather construction is performed in accordance with Article 1.8 C of TMS-602-16 and hot weather construction per Article 1.8 D of TMS-602-16.
Observation of grout specimens, mortar specimens, and/or prisms	☐ Continuous	☒ Periodic	Confirm that specimens/prisms are performed as required by Article 1.4 B of TMS-602-16. (If Risk Category IV this should be performed on a continuous basis.)
MINIMUM TESTING:			
Verification of f'_m	☐ Continuous	☒ Periodic	Determine the compressive strength for each wythe by the "unit strength method" or by the "prism test method" as specified in Article 1.4 B of TMS 602-16 prior to construction. (For Risk Category IV buildings this should be verified at every 5,000ft² of construction.)
Verification of Slump Flow and Visual Stability Index (VSI) for self-consolidating grout	☐ Continuous	☒ Periodic	Compressive strength tests should be performed in accordance with ASTM C 1019 for slump flow and ASTM C 1611 for VSI.
Verification of proportions of materials in premixed or pre-blended mortar and grout	☐ Continuous	☒ Periodic	Verify that proportions for mortar meet ASTM C 270 and proportions for grout meet ASTM C 476. (This applies to Risk Category IV buildings only.)

SOILS CONSTRUCTION (IBC 1705.6)

Item			*Detailed Instructions and Frequencies*
Verify subgrade is adequate to achieve design bearing capacity	☐ Continuous	☒ Periodic	Prior to placement of concrete.
Verify excavations extend to proper depth and material	☐ Continuous	☒ Periodic	Prior to placement of compacted fill or concrete.
Verify that subgrade has been appropriately prepared prior to placing compacted fill	☐ Continuous	☒ Periodic	Prior to placement of compacted fill.
Perform classification and testing of compacted fill materials	☐ Continuous	☒ Periodic	All materials shall be checked at each lift for proper classifications and gradations not less than once for

			each 10,000ft² of surface area.
Verify proper materials, densities and lift thicknesses during placement and compaction.	☒ Continuous	☐ Periodic	Verify use of proper materials and procedures in accordance with the geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.

SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.15)

Item			*Detailed Instructions and Frequencies*
Surface preparation	☐ Continuous	☒ Periodic	Prior to application confirm that surface has been prepared per the approved fire-resistance design and manufacturer's instructions.
Material thickness	☐ Continuous	☒ Periodic	Samples shall be taken from selected floor, roof and wall assemblies and structural members. No more than 10% of the samples shall be less than the thickness required by the fire-resistance design.
Material density	☐ Continuous	☒ Periodic	Density tests shall be performed in accordance with ASTM E 605 for every 2,5000ft² of floor, roof or wall area. One sample must also be provided for each beam, girder, truss or column at each story.
Bonding strength	☐ Continuous	☒ Periodic	Bond strength tests shall be performed in accordance with ASTM E 736 for every 2,5000ft² of floor, roof or wall area. One sample must also be provided for each beam, girder, truss or column at each story. The bond strength shall not be less than 150psf.

MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC 1705.16 & AWCI 12-B)

Item			*Detailed Instructions and Frequencies*
Surface preparation	☐ Continuous	☒ Periodic	Prior to application confirm that surface temperature and substrate are acceptable and that a compatible primer is used in accordance with AWCI 12-B.
Thickness	☐ Continuous	☒ Periodic	Record thickness of primer or other existing coating on substrate prior to application of coating. Final thickness of coating must be verified in multiple locations prior to applying topcoat per AWCI 12-B.

EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (IBC 1705.17)

Item			*Detailed Instructions and Frequencies*
Material and installation	☐ Continuous	☒ Periodic	Verify that water-resistive barrier, complying with ASTM E 2570, is installed appropriately over a sheathing substrate. ***Performed by code inspection firm.*** (Not required if applied over concrete, masonry, or if a means of draining moisture to exterior is provided.)

FIRE-RESISTANT PENETRATIONS AND JOINTS (IBC 1705.18)

➢ *Only required for high-rise buildings or those assigned to Risk Category III or IV per IBC Table 1604.5 or in fire areas containing group R occupancies with an occupant load greater than 250.*

Item			*Detailed Instructions and Frequencies*
Penetration firestops	☐ Continuous	☒ Periodic	Listed systems shall be inspected in accordance with ASTM E 2174.

Fire-resistant joint systems	☐ Continuous	☒ Periodic	Listed systems shall be inspected in accordance with ASTM E 2393.

SMOKE CONTROL (IBC 1705.19)

Item			*Detailed Instructions and Frequencies*
Verify device locations and perform leakage testing	☐ Continuous	☒ Periodic	During erection of ductwork and prior to concealment. As defined by rational analysis.
Pressure difference testing, flow measurements and detection and control verification	☐ Continuous	☒ Periodic	Prior to occupancy and after sufficient completion. As defined by rational analysis.

ARCHITECTURAL COMPONENTS (IBC 1705.13.5)

➢ *Only required for buildings located within Seismic Design Category D, E, or F.*

Item			*Detailed Instructions and Frequencies*
Erection and fastening of exterior cladding or interior and exterior veneers	☐ Continuous	☒ Periodic	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. ***Performed by code inspection firm.*** (Not required if < 30 feet or less than 5psf).
Erection and fastening of interior and exterior nonbearing walls	☐ Continuous	☒ Periodic	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. ***Performed by code inspection firm.*** (Not required if < 30 feet or for interior walls < 15psf).
Access floors	☐ Continuous	☒ Periodic	Verify that anchorage complies with approved construction documents. Inspection of post-installed anchors shall comply with approved ICC-ES report. ***Performed by code inspection firm.***

STORAGE RACKS (IBC 1705.13.7)

➢ *Only required for buildings located within Seismic Design Category D, E, or F.*

Item			*Detailed Instructions and Frequencies*
Materials used	☐ Continuous	☒ Periodic	
Fabricated storage rack elements	☐ Continuous	☒ Periodic	IBC 1704.2.5
Storage rack anchorage installation.	☐ Continuous	☒ Periodic	Verify that anchorage complies with approved construction documents. Inspection of post-installed anchors shall comply with approved ICC-ES report. ***Performed by code inspection firm.***
Completed storage rack system	☐ Continuous	☒ Periodic	Verify that completed system complies with the approved construction documents. ***Performed by code inspection firm.***

MECHANICAL & ELECTRICAL COMPONENTS (IBC 1705.13.6)

➢ *Only required for buildings located within Seismic Design Category C, D, E, or F.*

Item			*Detailed Instructions and Frequencies*
Anchorage of emergency or standby power systems	☐ Continuous	☒ Periodic	Verify that anchorage complies with approved construction documents. ***Performed by code inspection firm.***
Installation of piping systems	☐ Continuous	☒ Periodic	Verify that installation and restraint comply with

carrying flammable, combustible or highly toxic materials			approved construction documents. ***Performed by code inspection firm.***
Installation of HVAC ductwork containing hazardous materials	☐ Continuous	☒ Periodic	Verify that installation and restraint comply with approved construction documents. ***Performed by code inspection firm.***
Installation of vibration isolation systems having a clearance of ≤¼"	☐ Continuous	☒ Periodic	Verify that installation complies with approved construction documents and manufacturer's recommendations. ***Performed by code inspection firm.***
Clearances to fire sprinkler drops and sprigs	☐ Continuous	☒ Periodic	Verify that 3-inches of clearance exists between MEP or structural elements and sprinkler drops or sprigs. ***Performed by code inspection firm.*** (Not required if flexible sprinkler piping is used).
Designated seismic systems	☐ Continuous	☒ Periodic	Verify seismic qualification per Section 13.2.2 of ASCE 7. Verify that the label, anchorage or mounting conforms to the manufacturer's certificate of compliance. ***Performed by code inspection firm.***

SPECIAL CASES (IBC 1705.1.1) – material alternatives or unusual design applications

Item			*Detailed Instructions and Frequencies*
Material and installation	☐ Continuous	☐ Periodic	Per design professional in responsible charge or report from an accepted accreditation agency (i.e. ICC-ES).

MISCELLANEOUS AREAS

➢ *These inspections may be recommended by the Architect/Engineer and are to be approved by DFCM.*

Item			*Detailed Instructions and Frequencies*
Suspended Acoustical Ceilings	☐ Continuous	☐ Periodic	***Performed by code inspection firm.***
Soil backfill (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for curb and gutter (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for parking lots (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for utility trench backfill	☐ Continuous	☐ Periodic	
Reinforcement for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	
Reinforcement for interior slab on grade (specify locations and frequency)	☐ Continuous	☐ Periodic	
Concrete testing for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	
Concrete testing for interior slab on grade (specify locations and frequency)	☐ Continuous	☐ Periodic	
Asphalt inspection (specify locations and frequency)	☐ Continuous	☐ Periodic	
Asphalt testing (specify locations	☐ Continuous	☐ Periodic	

and frequency)			
Steam and water line welding (specify locations and frequency)	☐ Continuous	☐ Periodic	
Seismic supports for duct work and sealing of joints for duct work	☐ Continuous	☐ Periodic	
Seismic supports for electrical raceways, cable trays and lights	☐ Continuous	☐ Periodic	
Seismic supports for plumbing lines including gas, water and steam and condensation	☐ Continuous	☐ Periodic	
Seismic bracing for mechanical units both on slab and suspended	☐ Continuous	☐ Periodic	

Special Inspectors Shall:

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.2.4 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hours of performing inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the approved construction documents and applicable codes (see IBC 1704.2.4).

CONTRACTOR'S STATEMENT OF RESPONSIBILITY (IBC 1704.4)

The following statement must be provided on the plans along with a signature from the contractor prior to permit issuance.

Each contractor involved with the construction of wind or seismic force-resisting systems shall comply with the requirements of IBC 1704.4. The contractor is responsible for providing the special inspector access to approved plans and contract documents at the job site. All special inspection records shall be retained at the job site by the contractor and shall be made available to the Building Department upon request.

Declaration by General Contractor

I, the General Contractor of the project, agree to comply with the "Contractor Responsibility" items noted above.

Signature _____ Date _____

Footings & Piers	☐ Required		
Mat Foundations	☐ Required		
Concrete Walls	☐ Required		
Masonry Walls	☐ Required		
Steel Braced Frames	☐ Required		
Steel Deck Diaphragms	☐ Required		
Other:	☐ Required		
Other:	☐ Required		
Other:	☐ Required		
Other:	☐ Required		

Structural Observer's Shall:

- Provide proof of licensure as a licensed professional/structural engineer by the State of Utah;
- If structural observations are performed by individuals other than the design professional in responsible charge, they should first be approved by the Building Official.
- At the conclusion of work a final structural observation report must be submitted to the Building Official noting any deficiencies which, to the best of the structural observer's knowledge, have not been resolved (see IBC 1704.6).

Last Revised: 8/2023

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:48:44 AM
ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BETWEEN ACTUAL DIMENSIONS AND CONDITIONS AND THOSE SHOWN ON THESE DRAWINGS BEFORE ANY WORK IS BEGUN. ANY UNAUTHORIZED CHANGES OR USES OF THESE DRAWINGS, PLANS OR DESIGNS, WITHOUT THE WRITTEN CONSENT OF AJC ARCHITECTS PC, SHALL BE REPRESENTED AS NOT ACCURATE AND WILL BE CONSIDERED A MISAPPROPRIATION IN VIOLATION OF 17 U.S.C.§ 101 ET. SEQ. AND OTHER LAWS.

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SPECIAL INSPECTION MATERIAL TESTING

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

G020

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ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT AND ARE NOT TO BE USED IN PART OR WHOLE BY OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF AJC ARCHITECTS PC. ALL RIGHTS INCLUDING COPYRIGHT RESERVED BY AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THESE DRAWINGS PRIOR TO PROCEEDING WITH THE WORK. SHOP DRAWINGS, WHERE REQUIRED, ARE TO BE REVIEWED BY AJC ARCHITECTS PC BEFORE CONSTRUCTION. MISAPPROPRIATION IN VIOLATION OF 17-24-3-1 ET. SEQ. AND OTHER LAWS.

DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT

Office of the State Building Official
4315 S 2700 W Taylorsville, UT 84129
Phone: (801) 538-3018
Website: http://dfcm.utah.gov/

STRUCTURAL OBSERVATIONS (IBC 1704.6)

Item	*Proposed Frequency*		*Name of Structural Observer*
Footings & Piers	☒ Required		Jeff Miller, SE
Steel Deck Diaphragms	☒ Required		Jeff Miller, SE
Wood-sheathed Shearwalls	☒ Required		Jeff Miller, SE

Structural Observer's Shall:

- Provide proof of licensure as a licensed professional/structural engineer by the State of Utah;
- If structural observations are performed by individuals other than the design professional in responsible charge, they should first be approved by the Building Official.
- At the conclusion of work a final structural observation report must be submitted to the Building Official noting any deficiencies which, to the best of the structural observer's knowledge, have not been resolved (see IBC 1704.6).

Last Revised: 8/2023

NONSTRUCTURAL COMPONENT CHECKLIST

ITEM DESCRIPTION	*NOT REQUIRED*	*ON CONST. DOCUMENTS*	*DEFERRED SUBMITTAL*	*COMMENTS*	*APPROXIMATE DATE THEY WILL BE SUBMITTED*
Architectural Components:					
Interior Nonstructural Walls & Partitions		X			
Cantilever Elements *(i.e. parapets, etc.)*		X			
Exterior Nonstructural Wall Elements		X			
Veneer		X			
Penthouses	X				
Ceilings *(i.e. suspended grid or hard-lid)*			X		11/01/2026
Cabinets *(i.e. storage cabinets, equip, etc.)*	X				
Access Floors	X				
Storage Racks	X				
Appendages & Ornamentations	X				11/01/2026
Signs & Billboards	X				
Other:					
Other:					
MEP Components:					
Fire Sprinklers			X		
Mechanical Equipment *(i.e. HVAC, fans, air handlers, boilers, furnaces, tanks, chillers, water heaters, heat exchangers, evaporators, engines, turbines, pumps, compressors, MFR equipment, etc.)*			X		11/01/2026
Electrical Equipment *(i.e. generators, batteries, inverters, transformers, MCC, panel boards, switch gear, cabinets, etc.)*			X		11/01/2026
Elevator & Escalator Components	X				
Communication Equipment, Computers, Instrumentation, and Controls			X		11/01/2026
Roof-mounted Chimneys, Stacks, Cooling & Electrical Towers	X				
Lighting Fixtures			X		11/01/2026
Vibration Isolated Components			X		
Piping & Conduit Systems			X		
Ductwork *(including in-line components)*			X		11/01/2026
Conveyors	X				11/01/2026
Cable Trays			X		11/01/2026
Other: Emergency Responder Radio Signal Coverage (ERRCS).			X	If required after testing	11/01/2026
Other: Fire Alarms			X		11/01/2026

NOTES:

1. Deferred submittals for seismic restraint of nonstructural components must be submitted to the DFCM Building Official a minimum of two weeks prior to the planned installation in order to allow for plan review and forwarding to inspectors. In the event that the submittal is deficient additional time may become necessary.
2. When seismic restraint of non-structural components is installed prior to receiving DFCM approval it shall not be covered or concealed until receiving both plan review and inspection approval. Further, installers are proceeding at their own risk until plan review and inspection approval occurs.
3. The requirements for seismic restraint of nonstructural components cannot be satisfied by a general reference to Design Manuals. The design professional may utilize these manuals as a basis of their design, but must provide all supporting documentation to ensure that the design conforms to the requirements of ASCE 7-05, Chapter 13.
4. Submittals must include details of the proposed seismic restraint of nonstructural components. These details must show specific information relating to the materials, type, size, and locations of anchorages; materials used for bracing; attachment requirements of bracing to structure and component; and locations of transverse and longitudinal sway bracing and rod stiffeners. Submittals may also require structural calculations, engineering reports, test data, and/or specifications to ensure code compliance.

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ARCHITECT / CONSULTANT



PROJECT DESCRIPTION

RICHFI - CENTE CY - NEW B



DFCM Pro
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STRUCTURAL OBSERVATION & DEFERRED SUBMITTAL

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **04/13/26**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN
STABBERT
No. 9719389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

PERSPECTIVES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

G100

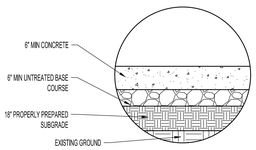
GENERAL NOTES

SPECIAL PROJECT NOTE:

- ALL CONSTRUCTION ACTIVITY WITHIN STREET ROW AND FOR SITE WATER LINES AND SEWER LINES SHALL CONFORM TO RICHFIELD CITY STANDARD PLANS AND "APWA MANUAL OF STANDARD PLANS" (LATEST EDITION) AND THE DEVELOPMENT GUIDELINES AND SPECIFICATIONS. CONTRACTOR SHALL OBTAIN COPIES OF SAID CITY STANDARDS AND APWA STANDARDS PRIOR TO CONSTRUCTION.

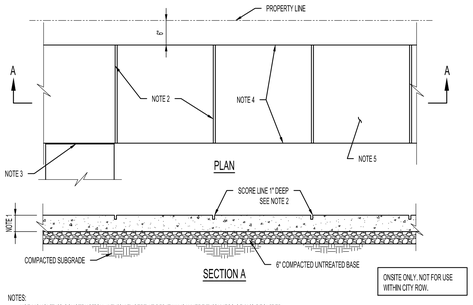
GENERAL

1. ANY MODIFICATION TO THIS CONSTRUCTION PACKAGE SHALL BE APPROVED BY THE OWNER, PRIOR TO SAID APPROVAL, ALL IMPROVEMENT DRAWINGS SHALL BE RESUBMITTED AND APPROVED BY THE CITY ENGINEER.
2. THE CONTRACTOR SHALL LOCATE, RETAIN AND PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXISTING GAS, TELEPHONE, POWER, OR WATERLINES WHICH MUST BE RELOCATED OR LOWERED FOR NEW GRAVITY LINES WILL BE COMPLETED BY THE CONTRACTOR TO THE UTILITY COMPANY SPECIFICATIONS.
3. ALL SUITABLE EXCAVATION MATERIAL MAY BE STOCKPILED ON LANDSCAPE AREAS (NOT OVER 3' DEEP) AND GRADED TO DRAIN. EXCESS TOPSOIL SHALL BE REMOVED AND STORED AS INDICATED ON THE LANDSCAPE PLANS. SUITABLE MATERIAL IS DEFINED IN THE PROJECT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT AS WELL AS CITY EARTHWORK SPECIFICATIONS. ALL EARTHWORK SHALL BE COMPLIANT WITH THESE DOCUMENTS. IF CITY SPECIFICATIONS AND THE GEOTECHNICAL REPORT ARE IN CONFLICT REFER TO THE CITY ENGINEER FOR DIRECTION ON WHICH REQUIREMENTS MUST BE FOLLOWED IN THE FIELD.
4. TRACER TAPE SHALL BE PLACED ABOVE ALL SEWER, PVC ROOF DRAIN LINES, WATER AND SECONDARY WATER LINES PER CITY AND DISTRICT STANDARD SPECIFICATIONS. TRACER WIRE SHALL BE INSTALLED OVER THE WATER LINES.
5. ALL EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY, AS INDICATED ON THE EXISTING SURVEY AND TOPOGRAPHY PROVIDED BY THE SURVEYOR. CONTRACTOR SHALL NOTIFY BLUE STAKES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL UTILITY CONFLICTS UPON DISCOVERY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BACKFILLING, COMPACTING, AND PAVEMENT RESTORATION WHERE NECESSARY TO INSTALL NEW UTILITIES OR NEW IMPROVEMENTS PER CITY STANDARDS IN EXISTING ROADWAYS.
7. CONTRACTOR SHALL PROVIDE CITY INSPECTOR WITH CONSTRUCTION SCHEDULE AFTER SAID SCHEDULE HAS BEEN APPROVED BY OWNER.
8. CONTRACTOR SHALL COORDINATE CONSTRUCTION DEMOLITION AND INSTALLATION OF ELECTRICAL, AND COMMUNICATION SERVICES WITH THE UTILITY COMPANY. OWNER SHALL PAY ALL ASSOCIATED UTILITY COMPANY FEES. CONTRACTOR TO PROVIDE ELECTRICAL LINE OR COMMUNICATION TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH POWER AND COMMUNICATION COMPANY. ALL DEMOLITION OF EXISTING AND PROPOSED NEW SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
9. CONTRACTOR TO KEEP A SET OF NEAT PLANS ON WHICH ALL CHANGES HAVE BEEN CLEARLY SHOWN. THIS SET OF REDLINES SHALL BE TURNED IN TO THE ARCHITECT.
10. CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO ANY WORK.
11. ALL UTILITY STRUCTURES WITHIN PAVEMENT SHALL BE RAISED TO ACCURATE FINISHED GRADE WITH A CONCRETE COLLAR. SEE DETAIL ON THIS SHEET.
12. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS, BONDS, AND APPROVALS HAVE BEEN OBTAINED. ALL PERMIT AND BOND FEES ARE TO BE PAID BY THE OWNER.
13. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED, AND THOROUGHLY REVIEWED, ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE CURRENT REQUIREMENTS AND DEVELOPMENT STANDARDS OF THE CITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND SHALL TAKE PRECEDENCE IN CASE OF CONFLICT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND PLANS ETC.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL, CLEANING STREET AND OTHER SWPP REGULATIONS.
16. ALL EXISTING ASPHALT TO REMAIN SHALL BE SAW CUT IN NEAT, STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
17. NO CHANGE IN DESIGN LOCATIONS OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
18. CONTRACTOR SHALL NOT ALLOW ANY GROUND WATER, SURFACE WATER, ANIMALS, OR DEBRIS TO ENTER NEW PIPING DURING CONSTRUCTION.
19. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT ALL NEW FACILITIES DURING THE CONSTRUCTION PERIOD UNTIL THE DESIGN GRADE AND COVER HAVE BEEN REACHED AND WORK HAS BEEN ACCEPTED BY OWNER.
20. CONTRACTOR IS TO REMAIN WITHIN THE CONTRACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF, OR DAMAGE TO, EXISTING AND NEW UTILITIES AND FACILITIES, INCLUDING WORK DONE WITHIN THE WARRANTY PERIOD.
22. ALL ONSITE PAVEMENT SECTIONS, GRADING, EXCAVATION, BACKFILLING, AND OTHER EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS PREPARED FOR THIS PROJECT. STRUCTURAL FILL, BEDDING, IMPORTED BACKFILL, GRANULAR SUBBASE, BASE COURSE AND ASPHALTIC CONCRETE MATERIALS SHALL MEET THE REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS. ALL EARTHWORK AND PAVING IN CITY R.O.W. SHALL MEET CITY SPEC'S.
23. COORDINATE GAS INSTALLATION WITH THE GAS COMPANY. GAS COMPANY WILL ROUTE GAS TO THE METER LOCATION SHOWN ON THE PLANS. ACCOMMODATE GAS COMPANY CONTRACTOR ON SITE DURING GAS LINE INSTALLATION.
24. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING THAT MAY BE NEEDED TO COMPLETE THE JOB.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND TRAFFIC PERMITS AND TRAFFIC CONTROL PLANS FOR ALL WORK IN CITY R.O.W. (EXISTING AND NEW ROADWAYS) PRIOR TO BEGINNING WORK.
26. CONTRACTOR SHALL COORDINATE CONSTRUCTION AND INSTALLATION OF ELECTRICAL, TELEPHONE, NATURAL GAS, AND SERVICES WITH THE UTILITY COMPANY. ASSOCIATED UTILITY COMPANY FEES WILL BE PAID AS OUTLINED IN CONTRACT GENERAL CONDITIONS. CONTRACTOR TO PROVIDE ELECTRICAL AND TELEPHONE LINE TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH ROCKY MOUNTAIN POWER AND CENTURY LINK. COORDINATE AND SCHEDULE WITH ENBRIDGE GAS, CENTURY LINK, AND ROCKY MOUNTAIN POWER FOR CONNECTION OF THESE UTILITIES TO THE NEW BUILDING. GAS, TELEPHONE AND POWER ALL MUST BE EXTENDED TO THE SITE FROM THE NEW DEVELOPMENT IN THE AREA. COORDINATE WITH THESE UTILITIES FOR LOCATION OF THESE NEW EXTENSIONS.
27. THE USE OF MOTOR OILS AND OTHER PETROLEUM-BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS ABSOLUTELY PROHIBITED.
28. NO DRIVEWAY SHALL BE CONSTRUCTED TO CONVEY STORM RUNOFF TOWARDS ANY BUILDING.
29. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
30. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS.
31. CONTACT FOR UTILITY COORDINATION INCLUDE:
    - SEWER- RICHFIELD CITY ENGINEER
    - WATER- RICHFIELD CITY ENGINEER
    - STORM- RICHFIELD CITY ENGINEER
    - GAS- ENBRIDGE GAS CONTACT TYLER CHRISTENSEN @ 435-851-4919
    - POWER- ROCKY MOUNTAIN POWER @ 1-800-469-3981
32. CONTRACTOR TO COORDINATE INSTALLATION OF ALL LANDSCAPE SLEEVES PRIOR TO FORMING CONCRETE SIDEWALKS, RETAINING WALLS, SEAT WALLS OR STAIR WALLS. SEE LANDSCAPE PLANS.
33. THE CONTRACTOR IS LIABLE FOR RETURNING THE SITE CONDITIONS AS THEY WERE BEFORE CONSTRUCTION.



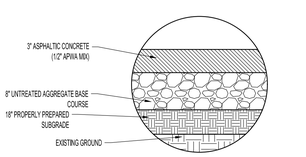
NOTES:
1. USE FOR CONCRETE PAVING WITH VEHICLE TRAFFIC, AS INDICATED BY HATCH ON CIVIL SITE LAYOUT PLAN. REINFORCING FOR DUMPSTER PADS REFER TO ARCHITECTURAL SPEC'S.
2. FOR DUMPSTER PADS USE 6.5" OF CONCRETE.
3. PROOF ROLL NATURAL SUBGRADE PER SPEC'S.
4. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
5. SEALED CONTRACTION JOINTS TO BE 1/4" DEEP. JOINT PATTERN AS OUTLINED ON ARCHITECTURAL SITE PLANS. 15' MAXIMUM SPACING
6. SEAL ALL EXPANSION JOINTS PER SPEC'S.
7. IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

CONCRETE PAVEMENT SECTION (ON SITE ONLY) — N.T.S. — A



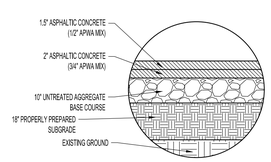
NOTES:
1. USE MONOLITHIC CONSTRUCTION 4" THICK EXCEPT AT DRIVEWAYS WHERE THICKNESS OF 6" IS REQUIRED.
2. SAWCUT AND CHAMFER SCORE LINES AT INTERVALS EQUAL TO 1 TIMES THE WIDTH OF THE SIDEWALK UNIFORMLY PLACED ALONG LENGTH OF SIDEWALK AFTER POUR. SAW CUTTING SHOULD BE DONE 4 TO 12 HOURS AFTER THE CONCRETE HAS BEEN FINISHED. IN HOT WEATHER EARLY-ENTRY DRY-CUT JOINTS SHOULD BE CUT 1 TO 4 HOURS AFTER FINISHING.
3. SIDEWALK EXPANSION JOINTS SHALL BE 20' ON CENTER MAXIMUM. THE EXPANSION JOINT SHALL INCLUDE ASPHALT IMPREGNATED FIBER EXPANSION MATERIAL. THE CONTRACTOR WILL USE BOND BREAKER TAPE WITH POLYURETHANE JOINT SEALANT TO A DEPTH OF 3/8".
4. EDGE SIDEWALK WITH 1/2" RADIUS EDGING TOOL. ROUND EDGES AT EXPANSION JOINTS TO A RADIUS OF 1/2".
5. USE HAIR-BROOM BRUSH TO FINISH SIDEWALKS.
6. OVER NEWLY BACKFILLED TRENCHES, PLACEMENT OF 2-#3 OR #4 BARS IN SIDEWALK IS REQUIRED.
7. REMOVE NON-ENGINEER FILL BELOW SIDEWALK AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE WITH STRUCTURAL FILL.
8. ALL CONCRETE SIDEWALK SLABS SHALL BE DOWELED TO ADJACENT SLABS WITH REBAR DOWELS AT EXPANSION JOINTS OR ANY BREAK IN THE POUR. DOWELS ARE TO BE EVENLY SPACED WITH MAXIMUM DISTANCE BETWEEN DOWELS NOT TO EXCEED 24". REBAR DOWELS MUST BE #4 OR LARGER AND AT LEAST 24" LONG. DOWELS MUST BE EMBEDDED AT LEAST 3" DEEP AND NO CLOSER THAN 6" FROM THE EDGE OF THE SLAB.

CONCRETE SIDEWALK — N.T.S. — D



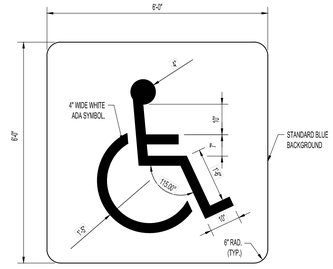
NOTES:
1. USE FOR PARKING AREAS OR OTHER LIGHT VEHICLE TRAFFIC.
2. PROOF ROLL NATURAL SUBGRADE PER SPEC'S.
3. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
4. ASPHALT MIX TO COMPLY WITH APWA SPECIFICATIONS.
5. STREET REPAIR IN CITY RIGHT OF WAY TO MEET CITY STANDARD.
6. IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

ASPHALT PAVEMENT SECTION (ON SITE ONLY) — N.T.S. — B



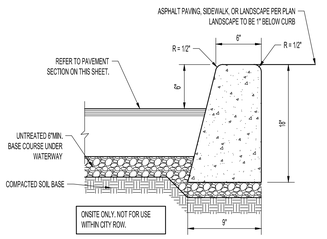
NOTES:
1. USE FOR SITE ROADWAYS AND BUS AREAS. AND OTHER HEAVY TRAFFIC AREAS. AS INDICATED BY HATCH ON CIVIL SITE LAYOUT PLAN.
2. PROOF ROLL NATURAL SUBGRADE PER SPECS.
3. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
4. ASPHALT MIX TO COMPLY WITH APWA SPECIFICATIONS.
5. STREET REPAIR IN CITY RIGHT OF WAY TO MEET CITY STANDARD.
6. IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

HEAVY DUTY ASPHALT PAVEMENT SECTION (ON SITE ONLY) — N.T.S. — C



D-08-312-3012

PAINTED ADA SYMBOL — N.T.S. — E



NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
4. REMOVE NON-ENGINEERED FILL BELOW CURB AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 312000 FOR SUBGRADES PREPARATION OVEREXCAVATION REQUIREMENTS.
5. WHEN PAVEMENT IS PLACED ON 5 FEET OR MORE OF SITE FILL, THE GENERAL SITE FILL SHOULD MEET THE REQUIREMENTS OUTLINED IN THE EARTH MOVING SPEC. THE TOP 24" OF FILL MUST BE STRUCTURAL FILL WITH MIRAFI RS280I OR APPROVED EQUIVALENT FOR STABILIZATION FABRIC OVER THE STRUCTURAL FILL TO GET TO SUBGRADE. FABRIC SHOULD BE PLACED OVER RELATIVELY LEVEL SURFACES. ABRUPT ELEVATION CHANGES SHOULD BE SMOOTHED.
6. ALL COLD JOINTS NEED TO BE DOWELED.

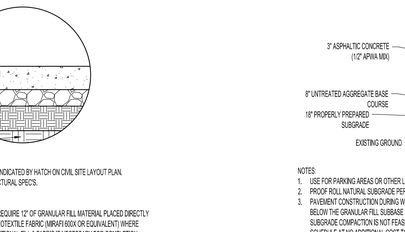
6" CURB DETAIL — N.T.S. — F

SYMBOL LEGEND

YARD HYDRANT	4'Ø STORM DRAIN /SANITARY SEWER MANHOLE
FIRE HYDRANT	5'Ø STORM DRAIN /SANITARY SEWER MANHOLE
WATER VALVE	ELECTRIC METER
WATER METER	GAS METER
POST INDICATOR VALVE	LIGHT POLE
FIRE DEPARTMENT CONNECTION	DOUBLE LIGHT POLE
WATER CAP	CURB & GUTTER (24")
WATER TEE	CURB WALL (8")
WATER CROSS	33.05 TBC SPOT ELEVATION
WATER WYE	HANDICAPPED PARKING
WATER REDUCER	STOP BAR
WATER BENDS	PAVEMENT MARKING
AREA DRAIN (SIZE PER PLAN)	POWER POLE
CATCH BASIN (SIZE PER PLAN)	SIGN
PRE-TREATMENT CURB INLET BOX (PRE-TREAT CIB)	CLEANOUT BOX
CURB INLET BOX (CIB)	THREE CHAMBER PRE-TREATMENT BOX
COMBO BOX (COMBO)	OVERFLOW BOX
STORM DRAIN FLARED END SECTION	DECORATIVE SITE LIGHTING
STORM DRAIN / SANITARY SEWER CLEANOUT	

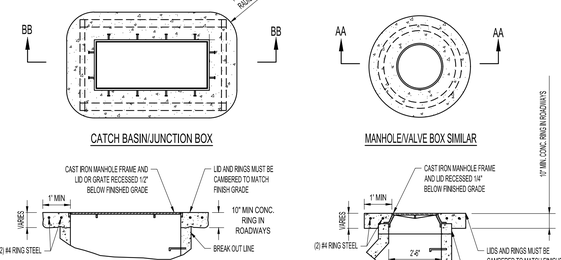
LINE LEGEND

PROPOSED	EXISTING	
		PROPERTY LINE
		LIMITS OF PROJECT
		MATCHLINE
		CENTERLINE
		SAW CUT LINE
4435	4435	MAJOR CONTOUR
4434	4434	MINOR CONTOUR
SS	SS	SANITARY SEWER PIPELINE
SD	SD	STORM DRAIN PIPELINE
LD	LD	LAND DRAIN
T	T	TELEPHONE
W	W	WATER PIPELINE
IRR	IRR	SECONDARY WATER PIPELINE
G	G	GAS PIPELINE
P	P	BURIED POWER
CATV	CTV	CATV
FO	FO	FIBER OPTIC
RIDGE	RIDGE	RIDGE LINE
		FLOW LINE
X	X	FENCE
SF		SILT FENCE
XX	XX	TEMPORARY SHORING
		REMOVAL
		ABANDON



NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
4. MATCH EXISTING STREET STRUCTURAL SECTION. SEE PAVEMENT SECTIONS THIS SHEET.

30" CURB & GUTTER — N.T.S. — G



NOTES:
1. REQUIRED FOR EXISTING OR NEW CATCH BASINS (OUTSIDE OF C&G), CLEAN OUTS, VALVES OR MANHOLES AND ALL OTHER UTILITY STRUCTURES IN THE PROJECT LIMITS.
2. WHERE CONCRETE PAVING IS COMPLETED AROUND UTILITY STRUCTURE, USE REINFORCEMENT SHOWN AROUND THE UTILITY STRUCTURE.
3. CONCRETE COLLARS ARE REQUIRED ON ALL STRUCTURES INCLUDING IN LANDSCAPE AREAS.

CONCRETE RING AROUND SURFACE UTILITY STRUCTURES — N.T.S. — H

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB, AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS. ANY UNAUTHORIZED REUSE OF THESE DRAWINGS, WITHOUT WRITTEN CONSENT OF AJC ARCHITECTS PC, FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY AJC ARCHITECTS PC IS LEGALLY PROHIBITED AND ANY MISUSE OR MISAPPROPRIATION IN VIOLATION OF I.C. 24-2-3-1 ET. SEQ. AND OTHER LAWS.

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MEI MERIDIAN ENGINEERING, INC.

ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER — No. 5251938-2202 — MARK A. COOK — STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

GENERAL NOTES AND DETAILS

REVISIONS

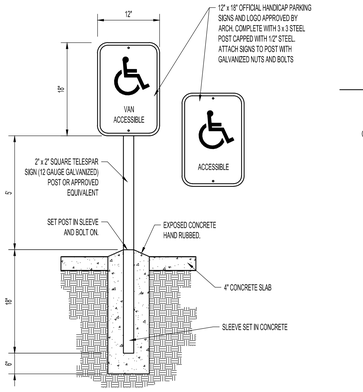
MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**CCC**
CHECKED BY:	**MAC**
PROJECT#:	**2023-41**

SHEET NUMBER:

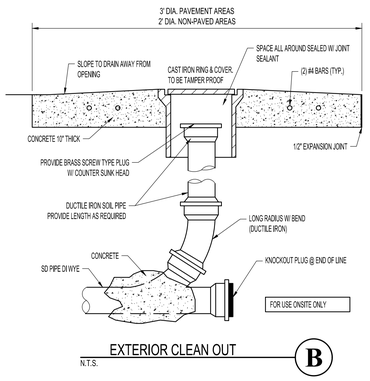
C100

Blue Stakes of Utah 811 — Know what's below. Call before you dig.

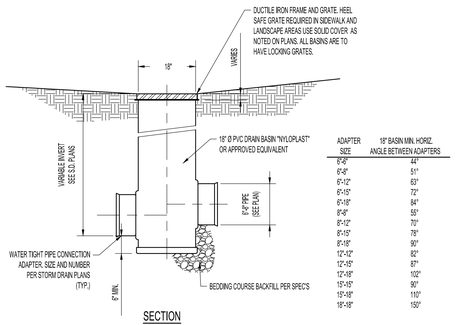


NOTES:
1. ALL SIGNS TO CONFORM TO MUTCD 2009 STANDARDS.

SIGN DETAIL 1 — N.T.S. — A



EXTERIOR CLEAN OUT — N.T.S. — B

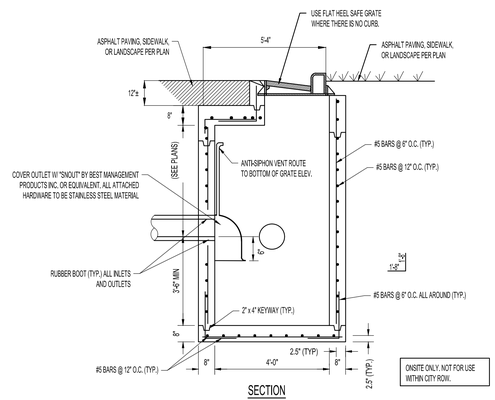


ADAPTER SIZE	18" BASIN MIN. HORIZ. ANGLE BETWEEN ADAPTERS
6"-6"	44°
6"-8"	51°
6"-12"	63°
6"-15"	72°
6"-18"	84°
8"-8"	55°
8"-12"	70°
8"-15"	78°
8"-18"	90°
12"-12"	82°
12"-15"	97°
12"-18"	102°
15"-15"	90°
15"-18"	110°
18"-18"	150°

SECTION

NOTES:
1. USE H-10 GRATES AND FRAMES FOR 18" Ø COVERS.
2. CONSTRUCT BASINS PER MANUFACTURER'S REQUIREMENTS.
3. USE LOCKING GRATES ON ALL CATCH BASINS USED IN RETENTION BASIN AREAS.
4. CONCRETE COLLARS ARE REQUIRED IN RETENTION BASINS.

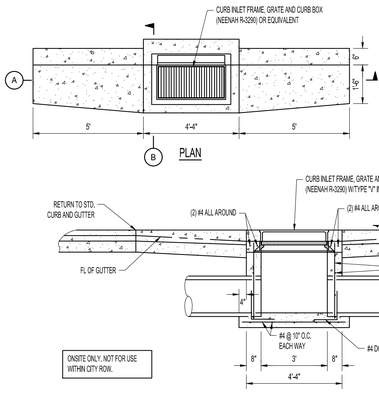
18" AREA DRAIN (AD) — N.T.S. — C



SECTION

NOTES:
1. PRECAST BOXES DESIGNED FOR HS-20 TRAFFIC LOAD. PRECAST BOX DIMENSIONS MAY VERY. SUBMIT DIMENSIONS AND DESIGN FOR APPROVAL.
2. CONCRETE 4000 PSI 28-DAY COMPRESSIVE STRENGTH.
3. STEEL GRADE 60 DEFORMED BARS.
4. ALL SCREENS, STRAPS, BELTS AND MISC. HARDWARE CONNECTING THE STAINLESS STEEL SCREEN SHALL BE CONSTRUCTED OF STAINLESS STEEL.
5. CUT PIPING SMOOTH WITH BOX WALL. PIPING JOINT WITH BOX WALL AND ALL LEDGES SHALL BE GROUTED SMOOTH WITH EPOXY GROUT.

PRETREATMENT CURB INLET BOX (PRE CIB) — N.T.S. — D

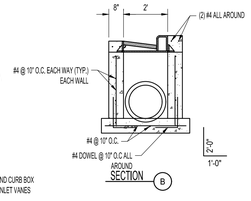


ADAPTER SIZE	12" BASIN MIN. HORIZ. ANGLE BETWEEN ADAPTERS
6"-6"	65°
6"-8"	75°
6"-12"	95°
8"-8"	80°
8"-12"	102°
12"-12"	150°

SECTION

FOR USE ONSITE ONLY

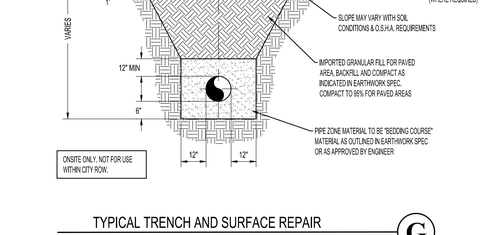
12" AREA DRAIN (ADS) — N.T.S. — E



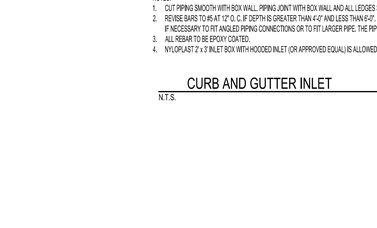
SECTION — A

NOTES:
1. CUT PIPING SMOOTH WITH BOX WALL. PIPING JOINT WITH BOX WALL AND ALL LEDGES SHALL BE GROUTED SMOOTH WITH EPOXY GROUT.
2. REVISE BARS TO #5 AT 12" O. C. IF DEPTH IS GREATER THAN 4'-0" AND LESS THAN 6'-0". USE 3' x 3' MIN. BOX IF DEPTH IS MORE 6'-0", USE 4' x 4' MIN. BOX IF NECESSARY TO FIT ANGLED PIPING CONNECTIONS OR TO FIT LARGER PIPE. THE PIPE BELL SHALL NOT TERMINATE IN THE BOX.
3. ALL REBAR TO BE EPOXY COATED.
4. NYLOPLAST 2' x 3' INLET BOX WITH HOODED INLET (OR APPROVED EQUAL) IS ALLOWED AS SUBSTITUTION.

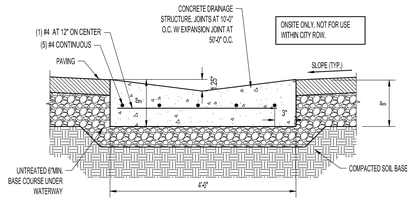
CURB AND GUTTER INLET — N.T.S. — F



TYPICAL TRENCH AND SURFACE REPAIR — N.T.S. — G



CURB CUT — N.T.S. — H



SIMILAR TO APWA PLAN #211

NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS. (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
4. REMOVE NON-ENGINEERED FILL BELOW CURB AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 312000 FOR SUBGRADES PREPARATION OVEREXCAVATION REQUIREMENTS.
5. ALL COLD JOINTS ON SITE NEED TO BE DOWELED.
6. WHEN PAVEMENT IS PLACED ON 3 FEET OR MORE OF SITE FILL, THE GENERAL SITE FILL SHOULD MEET THE REQUIREMENTS OUTLINED IN THE EARTH MOVING SPEC. THE TOP 24" OF FILL MUST BE STRUCTURAL FILL WITH MIRAFI RS280i OR APPROVED EQUIVALENT FOR STABILIZATION FABRIC OVER THE STRUCTURAL FILL TO GET TO SUBGRADE. FABRIC SHOULD BE PLACED OVER RELATIVELY LEVEL SURFACES. ABRUPT ELEVATION CHANGES SHOULD BE SMOOTHED).

4' WATERWAY — N.T.S. — I

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC, AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE ANY WORK IS COMMENCED. ANY UNAUTHORIZED USE OF THESE DRAWINGS, INCLUDING REPRODUCTION HEREOF, IN WHOLE OR IN PART, IS STRICTLY PROHIBITED AND MISAPPROPRIATION IN VIOLATION OF 17 U.S.C.A.S 31-1 ET. SEQ. AND OTHER LAWS.

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MERIDIAN ENGINEERING, INC.

ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER — No. 5251938-2202 — MARK A. COOK — STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

GENERAL DETAILS

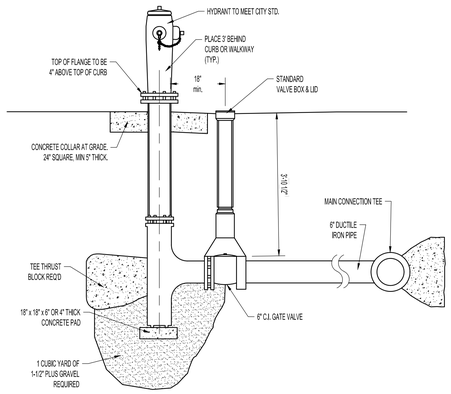
REVISIONS

MARK	DATE	DESCRIPTION
1	051326	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**CCC**
CHECKED BY:	**MAC**
PROJECT#:	**2023-41**

SHEET NUMBER:

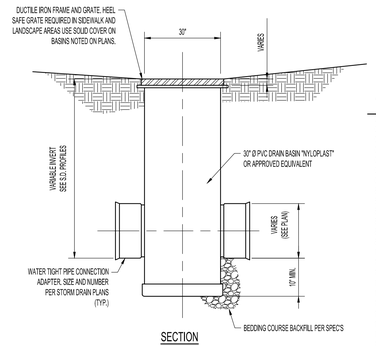
C101



FIRE HYDRANT CONNECTION

N.T.S.

A



SECTION

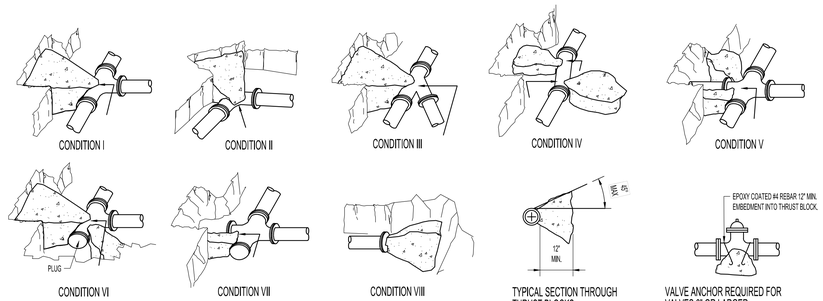
ADAPTER SIZE	30" BASIN MIN. HORIZ. ANGLE BETWEEN ADAPTERS
6"-6"	30°
6"-8"	34°
6"-12"	43°
6"-15"	48°
6"-18"	55°
6"-24"	66°
6"-30"	75°
8"-8"	35°
8"-12"	48°
8"-15"	55°
8"-18"	60°
8"-24"	70°
8"-30"	80°
12"-12"	58°
12"-15"	60°
12"-18"	68°
12"-24"	80°
12"-30"	90°
15"-15"	69°
15"-18"	75°
15"-24"	85°
15"-30"	96°
18"-18"	78°
18"-24"	88°
18"-30"	100°
24"-24"	90°
24"-30"	115°
30"-30"	150°

NOTES:
1. USE H-20 GRATES AND FRAMES FOR COVERS IN PAVED AREAS. USE H-10 GRATES AND FRAMES FOR COVERS IN LANDSCAPE AREAS. DEPTH OF GRATE PER MANUFACTURER'S STANDARDS.
2. CONSTRUCT BASINS PER MANUFACTURER'S REQUIREMENTS.
3. USE LOCKING GRATES ON ALL CATCH BASINS USED IN RETENTION BASIN AREAS.
4. CONCRETE COLLARS ARE REQUIRED IN RETENTION BASINS.

30" CATCH BASIN (CB)

N.T.S.

B



THRUST BLOCK BEARING AREA IN SQ. FEET								
PIPE SIZE (IN.)	CONDITION							
	I	II	III	IV	V	VI	VII	VIII
4	2.8	3.3	2.6	1.3	1.3	2.0	3.3	2.6
6	4.6	6.5	3.9	2.0	2.6	3.3	6.5	4.6
8	7.8	11.0	5.9	3.3	3.9	5.9	11.0	7.8
10	12.4	17.5	9.8	5.2	6.5	9.1	17.5	12.4

THRUST RESTRAINT NOTES:

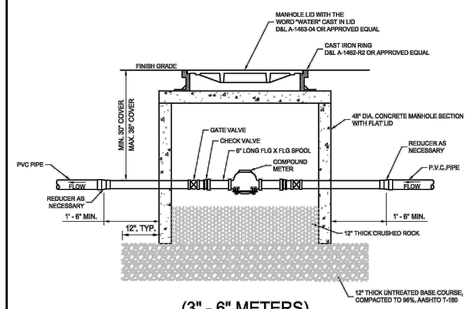
1. ALL THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.
2. CONCRETE SHALL BE 3000 PSI CONCRETE PER SPECIFICATIONS.
3. ALL THRUST BLOCK SIDES SHALL BE FORMED. DO NOT COVER JOINTS WITH CONCRETE. LEAVE COMPLETELY ACCESSIBLE.
4. CALCULATED ON 225 LB. TEST PRESSURE AND ALLOWABLE BEARING PRESSURE OF 2000 LBS. PER SQUARE FOOT. POORER SOILS SPECIAL DESIGN IS REQUIRED.
5. REINFORCING STEEL BARS SHALL BE EPOXY COATED PER SPECIFICATIONS.
6. LOCKING RESTRAINT DEVICES MAY BE USED IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.
7. CONCRETE TO CURE IN THRUST RESTRAINTS FOR 5 DAYS PRIOR TO PRESSURIZING WATER LINE.
8. APPLY POLY-4-M GREASE TO ALL BURIED METAL SURFACES. WRAP WITH 10 MIL THICK POLYETHYLENE SHEET AND TAPE WRAP.

TYP. THRUST BLOCK/THRUST RESTRAINT

N.T.S.

C

METERS FURNISHED AND INSTALLED BY RICHFIELD CITY



(3" - 6" METERS)

NOTES:
1. INSTALL TRACER WIRE WITH ALL SERVICE LINES.
2. TERMINATE TRACER WIRE WITH LOOP INSIDE METER BARREL OR BOX.
3. SIZE METER BARREL OR BOX TO FIT METER SIZE AND SITE CONDITIONS.
4. USE TRAFFIC RATED BARREL OR BOX AND TRAFFIC RATED LID WHEN METER IS LOCATED IN TRAFFIC AREA, WHICH INCLUDE ROADWAYS, PARKING AREAS AND DRIVEWAYS.
5. IF METER IS LOCATED IN ASPHALT PAVEMENT MANHOLE CONCRETE COLLAR IS REQUIRED. SEE S-185.
6. NO GALVANIZED FITTINGS ALLOWED.
7. INSTALL METER BOX, METER SETTERS, VALVES, ETC. WITHIN 2' ZONE BEHIND SIDEWALK. IF NO SIDEWALK IS PRESENT, INSTALL WITHIN 2' ZONE AT EDGE OF ROAD RIGHT-OF-WAY. IF PLANTER STRIP EXISTS, DO NOT INSTALL METER BOX, METER SETTERS, VALVES, ETC. WITHIN PLANTER STRIP. INSTALL WITHIN 2' ZONE BEHIND SIDEWALK.

DRAWING NOT TO SCALE

PREPARED BY: JONES AND DEMILLE ENGINEERING, INC.

RICHFIELD CITY STANDARD DRAWING

RICHFIELD
The Heart of Utah's Trail Country
EST. 1904

RICHFIELD CITY
75 EAST CENTER
RICHFIELD, UTAH 84701

METER BOX, 3" - 6" METER

UPDATED: 3/21/2009

STANDARD DRAWING No.
S-405
APPROVED:
DATE: 03-03 BY: MF

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MERIDIAN ENGINEERING, INC.

ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
No. 5251938-2202
MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY-NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

UTILTIY DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**CCC**
CHECKED BY:	**MAC**
PROJECT#:	**2023-41**

SHEET NUMBER:

C102

Blue Stakes of Utah 811
Utah811.org

Midblock curb cut assembly

1. GENERAL

A. Where existing elements or spaces are altered to receive an assembly; slopes and dimensions shall comply with slopes and dimensions shown on the drawing, or to the maximum extent feasible permitted by the ENGINEER. Final configuration of the assembly may be different than shown.
B. Installation of flares or curb returns is ENGINEER's choice.
C. Definitions and supplemental requirements are specified in APWA Section 32 16 14.

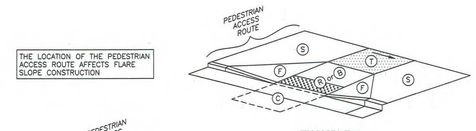
2. PRODUCTS

A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73..
C. Detectable Warning Surface: Paver, ribbed composite panel, or tile. Provide a color that contrasts with adjacent walking surface, either light-on-dark or dark-on-light. ENGINEER to select type and color unless indicated elsewhere.
D. Concrete: Class 4000, APWA Section 03 30 04.
E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

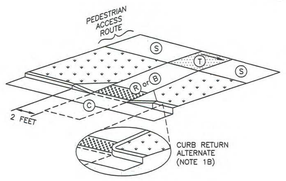
3. EXECUTION

A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
B. Curb Modifications:
   1) The sloped surface created to accommodate a flare area shall be perpendicular to the back of curb.
   2) No grade break shall exist between the flow-line and the foot of the curb ramp or blended transition. Length of the curb modification abutting the curb ramp or transition is 4 feet minimum.
C. Curb Ramp: Length not required to exceed 15 feet. Grade breaks are perpendicular to the direction of ramp run and are not permitted on the ramp or turning space surface. Sides are parallel to each other and perpendicular to the ends.
D. Concrete Placement: APWA Section 03 30 10.
   1) Maximum length to width ratio for rectangular panel joints is 1.5 to 1. Joint spacing measured in feet not to exceed twice slab thickness measured in inches or a maximum of 15 feet.
   2) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install contraction joints vertical, 1/8-inch wide, and 1/4 of the depth of the concrete flatwork.
   3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
E. Clear Space: No trip hazards in the clear space.

TURNING SPACE AT SIDEWALK LEVEL



EXAMPLE 1

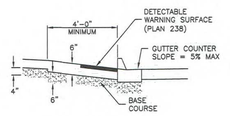


EXAMPLE 2

ELEMENT		DIMENSION
R	B	4 FEET WIDE MINIMUM
C	T	4 FEET SQUARE MINIMUM

WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS



MATERIALS

		RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE	T	STREET GRADE	2
CURB RAMP	R	8.33	2 (c)
BLENDED TRANSITION	B	5	2 (c)
CLEAR SPACE	C	5	2 (c)
SIDEWALK	S	STREET GRADE	2
FLARE	F	10	--

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL

SLOPE TABLE

Mid-block curb cut assembly

1. GENERAL

A. Where existing elements or spaces are altered to receive an assembly; slopes and dimensions shall comply with slopes and dimensions shown on the drawing, or to the maximum extent feasible permitted by the ENGINEER. Final configuration of the assembly may be different than shown.
B. Installation of a curb wall is ENGINEER's choice.
C. Definitions and supplemental requirements are specified in APWA Section 32 16 14.

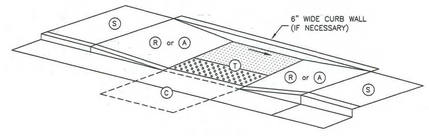
2. PRODUCTS

A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73..
C. Detectable Warning Surface: Paver, ribbed composite panel, or tile. Provide a color that contrasts with adjacent walking surface, either light-on-dark or dark-on-light. ENGINEER to select type and color unless indicated elsewhere.
D. Concrete: Class 4000, APWA Section 03 30 04.
E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

3. EXECUTION

A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
B. Curb Modifications:
   1) The sloped surface created to accommodate the ramp or approach areas shall be perpendicular to the back of curb.
   2) No grade break shall exist between the flow-line and the turning space. Length of the curb modification abutting the turning space is 4 feet minimum.
C. Curb Ramp: Length not required to exceed 15 feet. Grade breaks are perpendicular to the direction of ramp run and are not permitted on the ramp or turning space surface. Sides are parallel to each other and perpendicular to the ends.
D. Curb Wall: Set top of curb wall equal to elevation of extended lateral lines of sidewalk.
E. Concrete Placement: APWA Section 03 30 10.
   1) Maximum length to width ratio for rectangular panel joints is 1.5 to 1. Joint spacing measured in feet not to exceed twice slab thickness measured in inches or a maximum of 15 feet.
   2) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install contraction joints vertical, 1/8-inch wide, and 1/4 of the depth of the concrete flatwork.
   3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
F. Clear Space: No trip hazards in the clear space.

TURNING SPACE AT STREET LEVEL

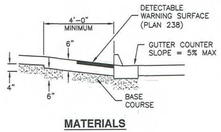


EXAMPLE 5

ELEMENT		DIMENSION
R	A	4 FEET WIDE MINIMUM
C	T	4 FEET SQUARE MINIMUM

WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS



MATERIALS

		RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE	T	STREET GRADE	2
CURB RAMP	R	8.33	2
CLEAR SPACE	C	5	STREET GRADE
SIDEWALK	S	STREET GRADE	2
APPROACHE	A	8.33	2

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL

SLOPE TABLE

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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
No. 5251938-2202PE
MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY-NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

APWA SITE DETAILS

REVISIONS

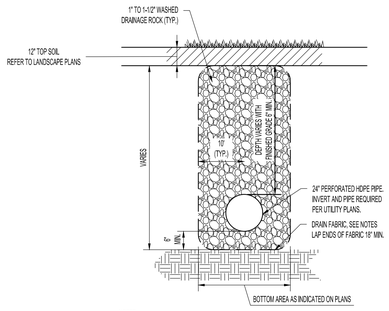
MARK	DATE	DESCRIPTION
1	051326	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **CCC**
CHECKED BY: **MAC**
PROJECT#: **2023-41**

SHEET NUMBER:

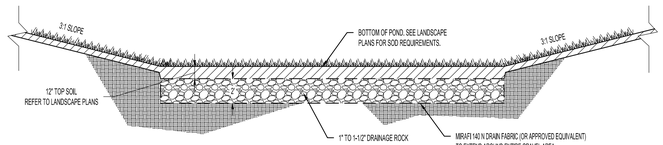
C103

Blue Stakes of UTAH 811
Utah811.org

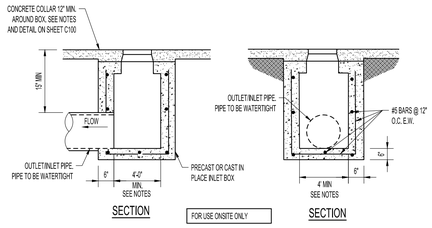


NOTES:
1. DRAINAGE FABRIC SHALL MEET THE SPECIFICATIONS OF "MIRAFI 160 N" OR APPROVED EQUIVALENT.
2. HDPE SHALL MEET REQUIREMENTS OF ASTM F-667. FITTINGS SHALL BE GASKETED FITTINGS MADE IN ACCORDANCE WITH PIPE MANUFACTURER'S STD. SPECIFICATIONS. PERFORATIONS TO BE PERFORMED BY THE PIPE MANUFACTURER. PROVIDE A MINIMUM OF 1 SQ. INCH OF INLET AREA PER FOOT OF PIPE. USE SOLID PIPE WHERE PIPE EXTEND BEYOND RETENTION AREA.
3. AREAS UNDER SIDEWALK, PAVED LOCATIONS, OR SHRUB AREAS WILL HAVE A MINIMUM COVER OF 18" OVER THE SUMP FABRIC.

UNDERGROUND RETENTION STORAGE — A
N.T.S.



RETENTION POND — B
N.T.S.



FOR USE ONSITE ONLY

NOTES:
1. CUT PIPING SMOOTH WITH BOX WALL. PIPING JOINT WITH BOX WALL AND ALL LEDGES SHALL BE GROUTED SMOOTH WITH EPOXY GROUT.
2. USE SOLID COVER FOR CLEAN OUT BOXES.

CLEANOUT BOX (COB) — C
N.T.S.

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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
No. 5251938-2202
MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY-NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

DRAINAGE DETAILS

REVISIONS

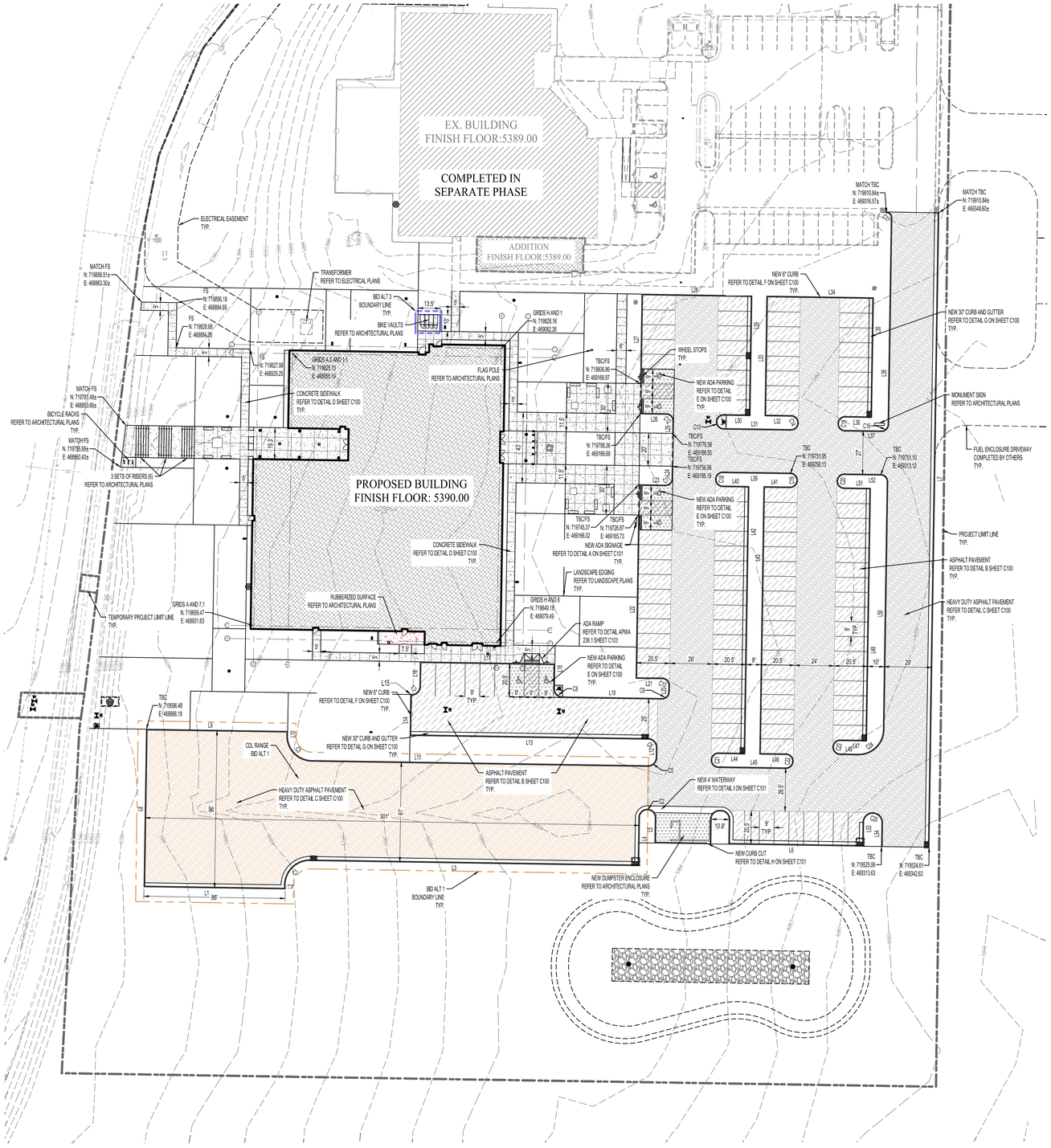
MARK	DATE	DESCRIPTION
1	051326	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

Blue Stakes of UTAH 811

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **CCC**
CHECKED BY: **MAC**
PROJECT#: **2023-41**

SHEET NUMBER:

C104



0 30 60
SCALE 1"=30'

GENERAL SITE LAYOUT NOTES:

1. REFER TO ARCHITECTURAL SITE PLAN FOR DETAIL OF DUMPSTER ENCLOSURE.
2. REFER TO ELECTRICAL PLANS FOR TRANSFORMER LOCATIONS AND LIGHTING.
3. REFER TO LANDSCAPE PLANS FOR LAYOUT OF PLANTINGS.
4. VERIFY THE GRID DISTANCES SHOWN FOR BUILDING LOCATIONS WITH ARCH PLANS.
5. ALL PAVEMENT REPAIR TO MEET REQUIREMENT STANDARD DETAILS ON C100.
6. TRANSITION CURB FROM STANDARD CURB HEIGHT TO CURB TERMINATION OVER 6' MINIMUM AT ALL LOCATIONS.
7. REPAIR/CONSTRUCT DRIVE APPROACHES PER CITY STANDARDS.
8. CURVE AND LINE DATA IS BASED ON THE TOP BACK OF CURB AND FRONT OF SIDEWALK.
9. THE PROJECT LIMIT LINE, ALSO REFERRED TO AS THE CIVIL ASSUMED AREA OF DISTURBANCE, IS INTENDED TO REPRESENT THE GENERAL EXTENT OF AREAS POTENTIALLY IMPACTED BY CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO MATERIAL STORAGE, EQUIPMENT ACCESS, AND WORK OPERATIONS ASSOCIATED WITH CIVIL SCOPE. THIS LINE IS BASED ON CIVIL DESIGN ASSUMPTIONS AND IS NOT NECESSARILY EXHAUSTIVE. ADDITIONAL AREAS OF DISTURBANCE MAY BE INDICATED ON PLAN SHEETS PREPARED BY OTHER DISCIPLINES (E.G. ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, LANDSCAPE), AND SUCH AREAS MAY EXTEND BEYOND THE CIVIL-DEFINED LIMIT LINE. THEREFORE, THE PROJECT LIMIT LINE SHOWN ON CIVIL DRAWINGS SHOULD NOT BE INTERPRETED AS THE DEFINITIVE OR SOLE BOUNDARY OF DISTURBANCE FOR THE PROJECT. IN SOME INSTANCES, A TEMPORARY PROJECT LIMIT LINE MAY ALSO BE SHOWN ON THE PLANS. THIS TEMPORARY LIMIT MAY EXTEND BEYOND THE ASSUMED PROPERTY BOUNDARIES AND IS USED TO ILLUSTRATE AREAS TEMPORARILY NEEDED FOR IMPROVEMENTS OUTSIDE OF THE OWNER'S PROPERTY. OFTEN CITY ROADWAY IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLAN SETS TO IDENTIFY AND ACCOUNT FOR ALL POTENTIAL AREAS OF DISTURBANCE.

PARKING STALL COUNT	
TOTAL STALLS:	113
STALLS:	107
HC STALLS:	6

HATCH LEGEND

- ASPHALT PAVEMENT SEE DETAIL B ON SHEET C100
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL C ON SHEET C100
- SIDEWALK PER DETAIL D ON SHEET C100
- VEHICULAR CONCRETE PER DETAIL A ON SHEET C100
- NEW BUILDING
- BUILDING OVERHANG
- UNDERDRAIN REFER TO CG400 AND CG450 PLANS
- NEW SURFACE UTILITIES REFER TO CU300
- CONCRETE WALL REFER TO ARCHITECTURAL AND STRUCTURAL PLANS
- CONCRETE SEAT WALL REFER TO ARCHITECTURAL PLANS
- CURB AND GUTTER REFER TO DETAIL G ON C100
- ACCESSIBLE RAMP AND LANDING W/ DETECTABLE WARNING PADS.
- ACCESSIBLE ROUTE
- RUBBERIZED SURFACE REFER TO ARCHITECTURAL PLANS
- BID ALT 1 HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL C ON SHEET C100
- BID ALT 3 SIDEWALK SEE DETAIL D ON SHEET C100

TBC Line Table			TBC Line Table			TBC Line Table		
L#	L	Bearing	L#	L	Bearing	L#	L	Bearing
L1	86.00	N89° 06' 52.87"W	L26	16.00	N89° 06' 52.87"W	L51	16.00	S89° 06' 52.87"E
L2	2.50	N0° 53' 07.13"E	L27	54.50	S0° 53' 07.13"W	L52	22.00	N89° 06' 52.87"W
L3	200.00	S89° 06' 52.87"E	L28	67.00	N89° 06' 52.87"W	L53	14.50	S0° 53' 07.13"W
L4	29.25	N0° 53' 07.13"E	L29	73.00	S0° 53' 07.13"W	L54	14.50	N0° 53' 07.13"E
L5	15.25	N0° 53' 07.13"E	L30	16.00	N89° 06' 52.87"W			
L6	127.00	N89° 06' 52.87"W	L31	41.00	S89° 06' 52.87"E			
L7	386.27	N0° 53' 07.13"E	L32	16.00	N89° 06' 52.87"W			
L8	96.00	S0° 53' 07.13"W	L33	73.00	N0° 53' 07.13"E			
L9	86.00	N89° 06' 52.87"W	L34	65.00	N89° 06' 52.87"W			
L10	2.50	N0° 53' 07.13"E	L35	73.00	N0° 53' 07.13"E			
L11	204.50	N89° 06' 52.87"W	L36	16.00	S89° 06' 52.87"E			
L12	6.08	S0° 53' 07.13"W	L37	22.00	N89° 06' 52.87"W			
L13	145.00	S89° 06' 52.87"E	L38	125.77	S0° 53' 07.13"W			
L14	25.00	S0° 53' 07.13"W	L39	41.00	N89° 06' 52.87"W			
L15	0.50	N89° 06' 52.87"W	L40	16.00	S89° 06' 52.87"E			
L16	14.99	N0° 52' 08.18"E	L41	16.00	S89° 06' 52.87"E			
L17	82.00	S89° 07' 23.67"E	L42	163.00	S0° 53' 07.13"W			
L18	15.00	S0° 53' 07.13"W	L43	163.00	N0° 53' 07.13"E			
L19	60.50	S89° 06' 52.87"E	L44	16.00	N89° 06' 52.87"W			
L20	3.92	N0° 53' 07.13"E	L45	41.00	S89° 06' 52.87"E			
L21	16.00	N89° 06' 52.87"W	L46	16.00	N89° 06' 52.87"W			
L22	99.50	N0° 53' 07.13"E	L47	16.00	N89° 06' 52.87"W			
L23	16.00	S89° 06' 52.87"E	L48	11.00	S89° 06' 52.87"E			
L24	7.50	N0° 53' 07.13"E	L49	154.00	S0° 53' 07.13"W			
L25	7.50	N0° 53' 07.13"E	L50	151.00	N0° 53' 07.13"E			

TBC Curve Table					
C#	L	R	Δ	Chord Bearing	Chord L
C1	23.56	15.00	090°00'00"	N45° 53' 07"E	21.21
C2	14.92	4.75	180°00'00"	N89° 06' 53"W	9.50
C3	23.56	15.00	090°00'00"	N44° 06' 53"W	21.21
C5	7.85	5.00	090°00'00"	S45° 53' 07"W	7.07
C6	7.85	5.00	090°00'00"	S44° 06' 53"E	7.07
C7	7.85	5.00	090°00'00"	N45° 53' 07"E	7.07
C8	7.85	5.00	090°00'00"	S44° 06' 53"E	7.07
C9	6.28	4.00	090°00'00"	N45° 53' 07"E	5.66
C10	6.28	4.00	090°00'00"	N44° 06' 53"W	5.66
C11	6.28	4.00	090°00'00"	N45° 53' 07"E	5.66
C12	6.28	4.00	090°00'00"	N44° 06' 53"W	5.66
C13	12.57	4.00	180°00'00"	S0° 53' 07"W	8.00
C14	12.57	4.00	180°00'02"	N0° 53' 08"E	8.00
C15	12.57	4.00	180°00'00"	S0° 53' 07"W	8.00
C16	6.28	4.00	090°00'00"	N45° 53' 07"E	5.66
C17	4.73	3.00	090°22'59"	N44° 18' 22"W	4.26
C18	12.57	4.00	180°00'02"	S0° 53' 08"W	8.00
C19	12.57	4.00	180°00'00"	N0° 53' 07"E	8.00
C20	12.57	4.00	180°00'00"	S0° 53' 07"W	8.00
C21	12.57	4.00	180°00'00"	S0° 53' 07"W	8.00
C22	12.57	4.00	180°00'00"	N0° 53' 07"E	8.00
C23	12.57	4.00	180°00'02"	S0° 53' 08"W	8.00
C24	23.56	15.00	090°00'00"	N45° 53' 07"E	21.21
C25	17.28	5.50	180°00'04"	N89° 06' 53"W	11.00

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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
No. 5251938-2202
MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

NEW BUILDING SITE PLAN

REVISIONS

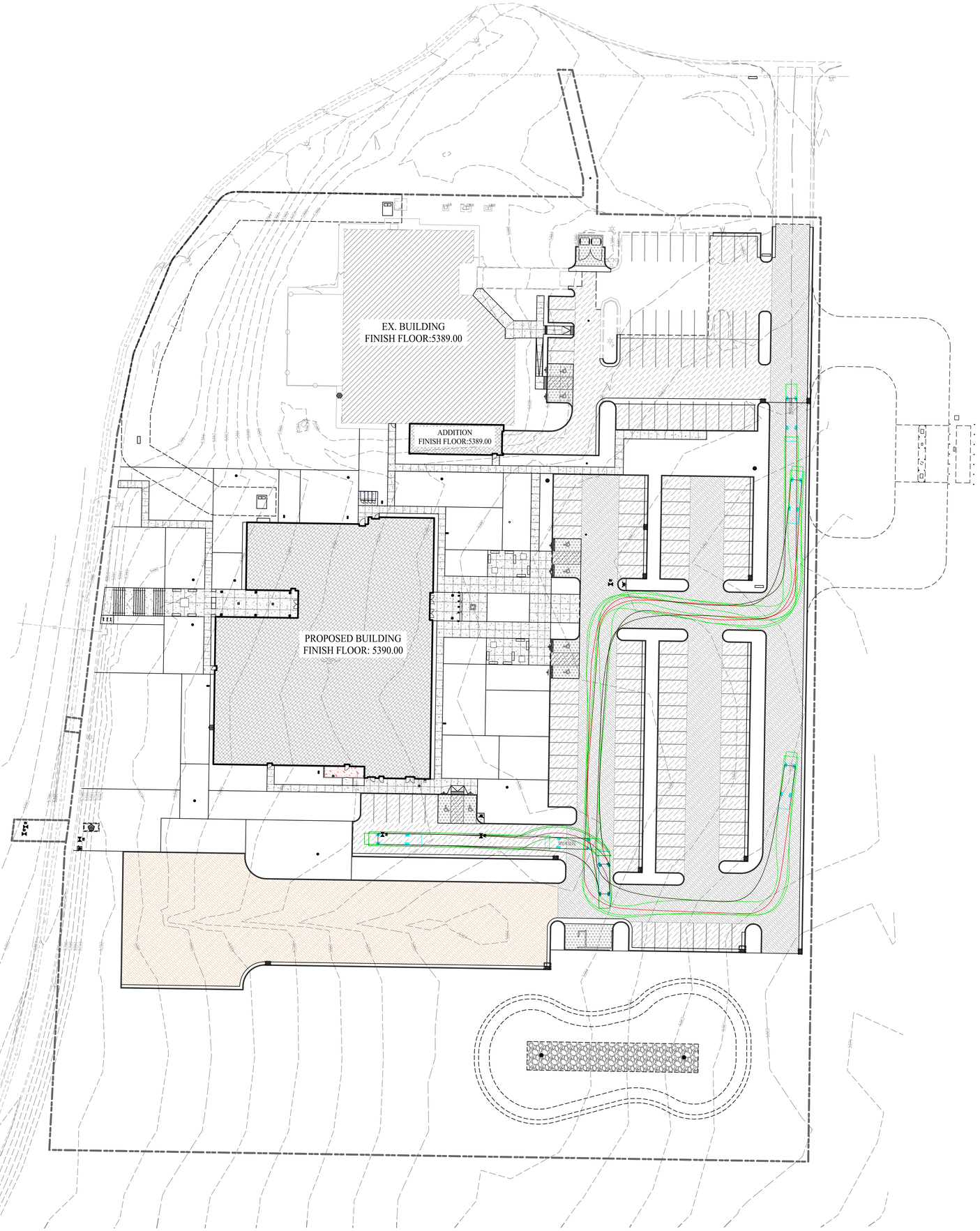
MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **CCC**
CHECKED BY: **MAC**
PROJECT#: **2023-41**

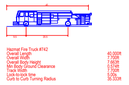
Blue Stakes of UTAH 811

SHEET NUMBER:

CS230







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ISSUED: 2026/05/26

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05/26/2026
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY-NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

CIRCULATION PLAN

REVISIONS

MARK	DATE	DESCRIPTION
01	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE:	05/26/2026
ISSUE TYPE:	CONFORMED SET
DRAWN BY:	CCC
CHECKED BY:	MAC
PROJECT#:	2023-41

SHEET NUMBER:

CS240

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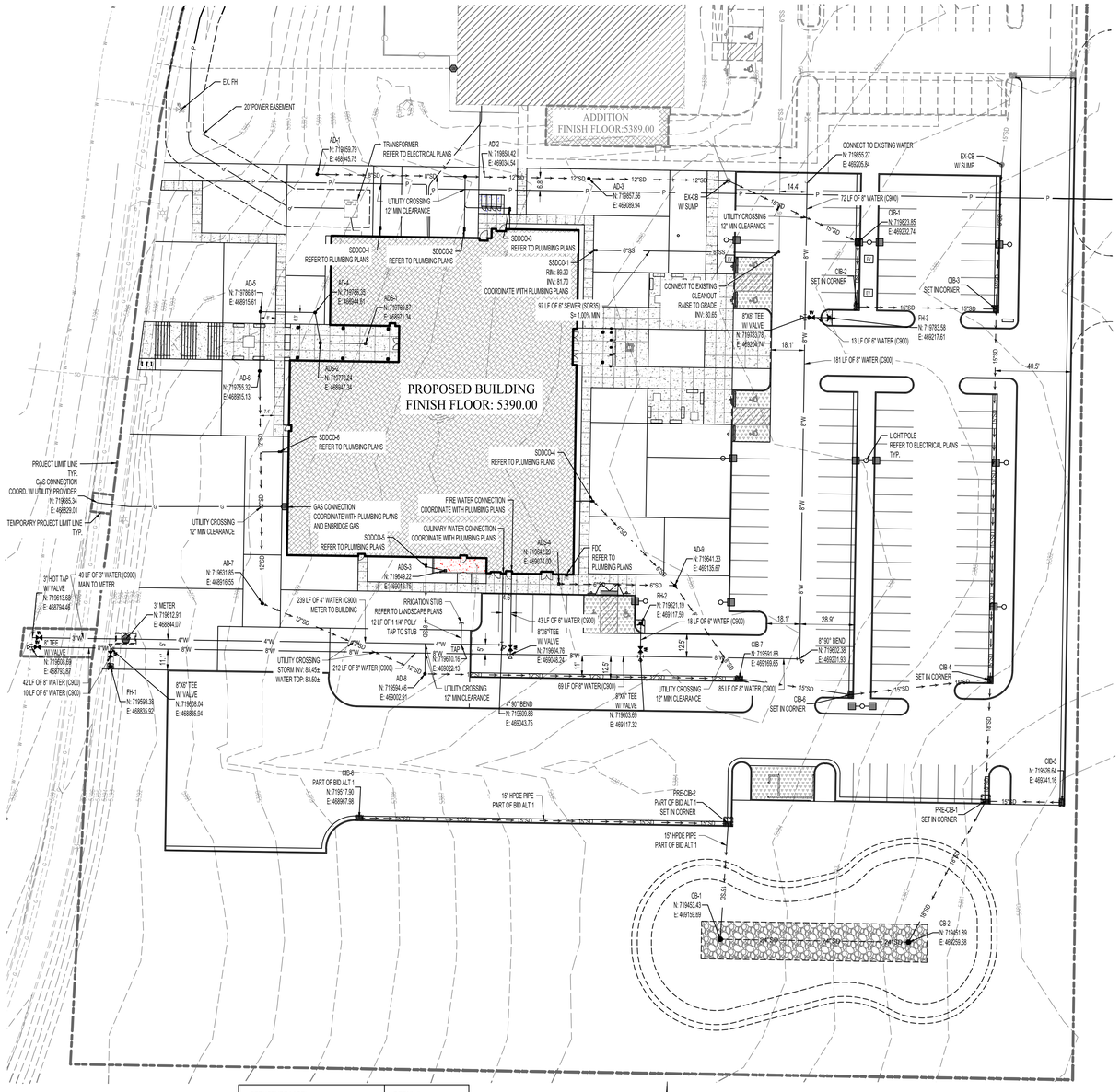

STRUCTURE LABEL	DETAIL #
CIB - CURB AND GUTTER INLET	DETAIL F SHEET C101
AD - 18"Ø AREA DRAIN	DETAIL C SHEET C101
FH - FIRE HYDRANT	DETAIL A SHEET C102
3" WATER METER	CITY DETAIL S-405 SHEET C102
SSCO & SSCO - STORM AND SEWER CLEANOUT	DETAIL B SHEET C101
PRE-CIB--PRETREATMENT CURB AND GUTTER INLET	DETAIL D SHEET C101
ADS- 12"Ø AREA DRAIN	DETAIL E SHEET C101
CCB-CLEANOUT BOX	DETAIL C SHEET C104
CB-3700 CATCH BASIN	DETAIL B SHEET C102



GENERAL UTILITY NOTES:

1. PLUMBING CONTRACTOR WILL TERMINATE THEIR ROOF DRAIN LINES WITH A CLEAN OUT APPROXIMATELY 5' FROM THE BUILDING. COORDINATE WITH PLUMBING CONTRACTOR ON SCHEDULE AND PLACEMENT OF ROOF DRAIN LINES NEAR THE BUILDING.
2. ALIGN ALL INTERIOR AND EXTERIOR UTILITIES. SITE UTILITY CONTRACTOR TO COORDINATE PLACEMENT HORIZONTALLY AND VERTICALLY WITH BUILDING PLUMBING CONTRACTOR. SITE "INTERFACE LINE" BETWEEN THE BUILDING PLUMBING CONTRACTOR AND THE SITE UTILITY CONTRACTOR WILL BE AT 5' FROM THE BUILDING AND (EXCEPT FOR THE FIRE SPRINKLER LINE) A CLEAN OUT WILL BE INSTALLED BY THE PLUMBING CONTRACTOR APPROXIMATELY 5' FROM THE BUILDING FOR STORM DRAIN AND SEWER LINES. CONNECTION TO BUILDING PIPING AND ALL PIPING BEYOND THIS INTERFACE SHALL BE THE SITE UTILITY CONTRACTOR'S RESPONSIBILITY. PROVIDE REDUCERS, ADAPTERS, OR OTHER FITTINGS AS REQUIRED AT THE INTERFACE TO CONNECT TO BUILDING PIPE. COLLECT ROOF DRAIN LINES AS SHOWN AND ROUTE TO NEW CATCH BASINS OR CLEAN OUTS ON SITE. PREFERRED SLOPES, APPROXIMATE DISTANCES, AND INVERTS OF GRAVITY PIPING ARE SHOWN ON THE PLAN MAY REQUIRE ADJUSTMENT TO CONNECT TO BUILDING ROOF OR SEWER DRAIN LINES. MAINTAIN 2% SLOPE FOR 4" DIAMETER OR SMALLER PIPES. 1% FOR 6" AND 0.5% FOR 8" DIAMETER PIPES.
3. ALL PROPOSED SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
4. SITE CONTRACTOR SHALL COORDINATE WITH RICHFIELD CITY AND SEVIER COUNTY WHEN COMPLETING THE SEWER CONNECTION.
5. SITE CONTRACTOR SHALL COORDINATE WITH RICHFIELD CITY AND SEVIER COUNTY INSPECTOR WHEN COMPLETING WATER CONNECTIONS IN CITY STREETS OR ON SITE WHERE REQUIRED.
6. ALL CONSTRUCTION IN THE CULINARY WATERLINE AND SANITARY SEWER LINE PIPE ZONE SHALL COMPLY WITH ALL RICHFIELD CITY AND SEVIER COUNTY SPECIFICATIONS AND REQUIREMENTS. SEE GENERAL NOTES ON SHEET C100. WHERE THRUST BLOCKING CANNOT BE COMPLETED DUE TO OTHER ADJACENT UTILITIES OR OTHER SITE CONSTRAINTS, RESTRAINED JOINTS WILL BE REQUIRED PER RICHFIELD CITY AND SEVIER COUNTY STANDARD SPEC'S. THRUST BLOCK ALL WATERLINE FITTINGS PER RICHFIELD CITY AND SEVIER COUNTY STANDARDS TYP.
7. COORDINATES FOR FIRE HYDRANTS, CURB INLETS, CATCH BASINS, OR CLEAN OUTS ARE AT THE CENTER OF THE UTILITY STRUCTURE. ALL STORM DRAIN BOXES ARE 3'X3', UNLESS OTHERWISE NOTED OR THOSE INLETS PLACED IN CURB AND GUTTER.
8. ALL VALVES, AREA CATCH BASINS (NOT IN CSG), CLEAN OUTS, OR MANHOLES SHALL HAVE CONCRETE GRADE ADJUSTMENT COLLARS PLACED PER DETAIL ON C100.
9. STORM DRAIN CLEAN OUTS TO BE SIMILAR TO DETAIL SHOWN ON PLUMBING PLANS AND SHALL BE EXTENDED TO GRADE. ALL EXTERIOR ROOF DRAIN PIPING TO BE CAST IRON SOIL PIPE AND FITTINGS IN ACCORDANCE WITH ASTM A 74.
10. ROOF DRAIN CONNECTIONS AT CATCH BASINS OR CLEAN OUT BOXES TO BE CORE DRILLED AND EPOXY GROUTED INTO PRECAST BOXES DUE TO FIELD ADJUSTMENTS WHICH MAY BE NECESSARY TO CONNECT TO BUILDING PIPING. 3" X 4" INTERIOR ROOF DRAIN PIPE TO BECOME 4" CW 6" STORM DRAIN PIPE. 5" X 6" INTERIOR ROOF DRAIN PIPE TO BECOME 8" STORM DRAIN PIPE.
11. THE FIRE SPRINKLER LINE SHALL BE ROUTED INTO THE FIRE SPRINKLER ROOM INSIDE THE BUILDING AND TERMINATE 12" ABOVE FINISH FLOOR WITH A 6" FLANGE, CAP WITH BLIND FLANGE FOR LINE TESTING. REFER TO PLUMBING PLANS FOR RISER LOCATION IN THE BUILDING. THE FIRE SERVICE LINE SHALL BE CEMENT LINED DUCTILE IRON PIPE (PER AWWA C151 350 PSI AND AWWA C104) WRAPPED IN POLYETHYLENE (PER AWWA C105) FROM THE BUILDING CONNECTION TO THE TEE AT THE FIRE LOOP CONNECTION PER CITY WATER STANDARD SPECIFICATIONS AND DETAILS.
12. ALL CONSTRUCTION, PIPING MATERIALS AND INSTALLATION TO BE:

    WATER LINES:
    - 3", 4", 6" AND 8" PVC AWWA C-900 WITH CEMENT MORTAR-LINED DUCTILE IRON PIPE FITTINGS WRAPPED IN 10 MIL. POLYETHYLENE SLEEVES PER AWWA C-105 AND PER CITY STANDARDS.
    - NEW 8" FIRE SPRINKLER LINE TO BE PVC AWWA C-900 WITH CEMENT MORTAR-LINED DUCTILE IRON PIPE FITTINGS WRAPPED IN 10 MIL. POLYETHYLENE SLEEVES PER AWWA C-105 AND PER RICHFIELD CITY AND SEVIER COUNTY STANDARDS.

    SEWER LINES, MANHOLES, AND CLEANOUTS:
    - APWA AND SEWER DISTRICT STANDARDS WITH STANDARD FITTINGS AND CLEANOUTS.
    - 6" PVC (SDR 35) WITH DISTRICT STANDARD FITTINGS AND CLEANOUTS.
    - MANHOLES AND CLEANOUTS TO RICHFIELD CITY AND SEVIER COUNTY STANDARDS. PVC PIPING, PRECAST MANHOLES.

    STORM DRAIN:
    - SITE DRAIN PIPING HDPE FOR 8" OR LARGER (ADS OR APPROVED EQUIVALENT), EXCEPT WITH CITY ROW.
    - WALL DRAINS AND PLAYGROUND DRAINS TO BE 4" PERFORATED PVC PIPE (SDR 35).

    ROOF DRAIN PIPING:
    - ROOF AND AREA DRAIN PIPING: 8" PIPING PVC (SDR 35).

    RETENTION BASIN:
    - SEE DETAIL ON C104

    GAS LINE:
    - ENBRIDGE GAS. COORDINATE WITH ENBRIDGE GAS
13. PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION. ANY NEW BACKFLOW DEVICES AND THE STOP AND WASTE VALVE ARE SHOWN ON THE LANDSCAPE DRAWINGS.
14. INSPECTION AND APPROVAL FOR THE SEWER/WATER LINE CROSSINGS ON SITE SHALL BE REVIEWED AND APPROVED BY RICHFIELD CITY PRIOR TO CONSTRUCTION OF THE CROSSING. RICHFIELD CITY SHALL ALSO INSPECT THE CROSSING PRIOR TO BACKFILL.
15. REFER TO SURVEY BY JONES & DEMILLE FOR PROJECT BASIS OF BEARING, BASIS OF COORDINATES AND BENCHMARK.
16. ALL UTILITIES OUTSIDE OF PUBLIC R.O.W. ARE PRIVATELY OWNED AND SHALL BE MAINTAINED BY OWNER UNLESS NOTED OTHERWISE.
17. POT HOLE AND FIELD VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
18. TEMPORARY PUMPING OF SANITARY SEWER MAY BE REQUIRED AS PORTIONS OF THE SYSTEM ARE REPLACED. BACKUP PUMPS AND POWER WILL BE REQUIRED WHERE PUMPING IS NECESSARY TO MAINTAIN SERVICE TO THE EXISTING BUILDING AT ALL TIMES DURING CONSTRUCTION.
19. USE FLOWABLE FILL BETWEEN UTILITY CROSSINGS THAT ARE LESS THAN 12" SEPARATION. ALL GRAVITY LINES MUST BE INSTALLED BEFORE PRESSURIZED LINES.
20. PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
21. ALL FIRE SPRINKLER LINES SHALL HAVE 60" OF COVER MINIMUM. ALL OTHER WATERLINES INCLUDING EXISTING LINES TO HAVE 48" MINIMUM COVER.
22. POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO ROUTING ANY NEW UTILITIES. ALL NEW SEWER, DRAINAGE, OR OTHER GRAVITY LINES SHALL BE COMPLETED PRIOR TO ROUTING ANY PRESSURE LINES. WHERE EXISTING UTILITIES CONFLICT WITH NEW GRAVITY LINES, RAISE OR LOWER EXISTING UTILITIES TO ACCOMMODATE NEW GRAVITY LINES. PROVIDE 12" MIN. CLEARANCE BETWEEN WATER AND OTHER UTILITIES. WATER LINES SHALL NOT BE PLACED UNDER SEWER LINES AND SHALL HAVE A MINIMUM OF 18" CLEARANCE OF SEWER.
23. THRUST BLOCK ALL FITTINGS OR PROVIDE RESTRAINED JOINTS PER CITY STANDARDS. THE NEW 4" AND 6" CONNECTIONS TO THE NEW BUILDING WILL REQUIRE RESTRAINED JOINTS FOR MANY FITTINGS DUE TO LIMITED SPACE BETWEEN PIPES.
24. COORDINATE WITH LANDSCAPE PLANS PRIOR TO COMPLETION OF PAVEMENT FOR INSTALLATION OF IRRIGATION SLEEVES ACROSS PAVING OR PARKING AREAS.
25. WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE A 12" WIDE AROUND THE UTILITY APPARATUSES AND 8" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. REFER TO DETAIL ON SHEET C100. CONCRETE COLLARS TO BE USED IN ONLY ASPHALT PAVEMENT AREAS OR PAVER AREAS.
26. WHERE UTILITY LINES CROSS OR ARE ADJACENT TO SITE WALLS, WALL FOOTINGS, SHALL STEP BELOW UTILITIES FOR WATER AND STORM DRAIN LINES THAT DO NOT HAVE 3' OF FILL BETWEEN THE BOTTOM OF THE NORIAL WALL FOOTING DEPTH (30" DEPTH) AND THE TOP OF PIPE REFER TO DETAIL ON STRUCTURAL PLANS FOR TYPICAL FOOTING STEP DETAIL. WHERE UTILITY LINES HAVE A MINIMUM OF 3' OF FILL BETWEEN THE TOP OF PIPE AND BOTTOM WALL FOOTING THE WALL FOOTING DOES NOT NEED TO STEP BELOW THE NORMAL 30" DEPTH.
27. USE HS-20 SOLID COVERS ON ALL MANHOLES, CIB, AND CBFS. AD AND ADS BOXES TO HAVE PEDESTRIAN TRAFFIC GRATED COVERS EXCEPT AS NOTED. ALL CIB BOXES TO HAVE HS-20 FRAME AND GRATES.
28. REPAIR PAVEMENT, AS WELL AS CURB AND GUTTER, AND SIDEWALKS WHERE UTILITIES CROSS INTO PUBLIC R.O.W. TO MAINTAIN TRAFFIC THROUGH THESE AREAS. ALL REPAIR IN PUBLIC R.O.W. TO MEET APWA AND CITY STANDARDS.
29. SET NEW UTILITY MANHOLE OR STRUCTURE OVER EXISTING PIPING WHERE NEW AND EXISTING PIPING CONNECT. RECONNECT ALL EXISTING PIPING TO NEW STRUCTURES. PROVIDE NEW SECTIONS OF PIPE IF NECESSARY TO RECONNECT ALL PIPING TO THE NEW UTILITY STRUCTURES.
30. GAS LINE CONSTRUCTION TO THE BUILDING METER WILL BE COMPLETED BY ENBRIDGE GAS COORDINATE GAS INSTALLATION WITH ENBRIDGE GAS.
31. 8"X6" WYE FITTINGS FOR ROOF DRAIN OR OTHER WYE CONNECTIONS TO THE 8" OR 8" PVC DRAIN LINES TO BE DI FITTINGS WRAPPED IN 10 MIL. POLYETHYLENE (PER AWWA C105). PLACE CONCRETE ON WYE FITTING SIMILAR TO THE CLEANOUT DETAIL.
32. ALL CB TO HAVE LOCKED DOWN GRATES IN RETENTION AREAS. ALL BUBBLE UP MANHOLES TO BE BOLTED DOWN IN RETENTION AREAS.
33. CONTRACTOR RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS AND INSPECTIONS WHILE WORKING IN THE PUBLIC RIGHT OF WAY.
34. PROJECT LOCATED IN AN AREA NOT IDENTIFIED BY FEMA. PER SOME DRAFTS COMPLETED WITH LIDAR FOR FEMA BY AECOM. THE AREA IS NOT LOCATED IN A FLOOD PLAIN. THE DRAFTS ARE TO BE ONLY USED AS BEST AVAILABLE DATA WHERE APPLICABLE. FOR THIS CASE THE DRAFTS ARE THE ONLY AVAILABLE DATA.
35. VALVES ATTACH DIRECTLY TO TEE FITTINGS. "FL" INDICATES FLANGE FITTING AND "MJ" INDICATED MECHANICAL JOINT FITTING. ALL VALVING WILL CONNECT TO MAIN LINE PIPE WITH FLANGE FITTING. MAIN LINE FITTINGS CONNECTING TO VALVES WILL ALSO BE FLANGE FITTINGS. WRAP AND GREASE ALL FITTINGS PER SPECIFICATIONS AND NOTES.
36. ALL MANHOLES (BOTH SEWER AND STORM) TO BE 4' IN DIAMETER UNLESS SPECIFIED OTHERWISE.
37. ALL WYE FITTINGS FOR STORM DRAIN PIPING TO BE FACTORY FABRICATED. WHERE MAIN PIPE IS 8" OR LARGER, USE FLOWABLE FILL 3' UPSTREAM AND DOWNSTREAM FROM ALL FITTINGS. WYE FITTINGS CONNECTING TO PIPE LARGER THAN 8" SHALL BE NEAR THE TOP OF THE MAIN STORM DRAIN PIPE. FLOWABLE FILL MAY TERMINATE 6" ABOVE THE TOP OF THE SMALLER STORM DRAIN PIPE CONNECTION TO THE MAIN PIPE. PROVIDE A MINIMUM OF 18" TOPSOIL COVER OVER TOP OF FLOWABLE FILL IN LANDSCAPE AREAS.
38. THE CONTRACTOR SHALL MAINTAIN 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND CULINARY WATER LINES. FOLLOW CITY STANDARDS FOR ALL WATER/SEWER CROSSINGS.
39. SPOT ELEVATION PREFIX OF 53 HAS BEEN DROPPED FROM THE ELEVATIONS IE: ELEVATION 00.00 = 5300.00 AND 96.50 = 5396.50.

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

NEW BUILDING UTILITY PLAN

REVISIONS

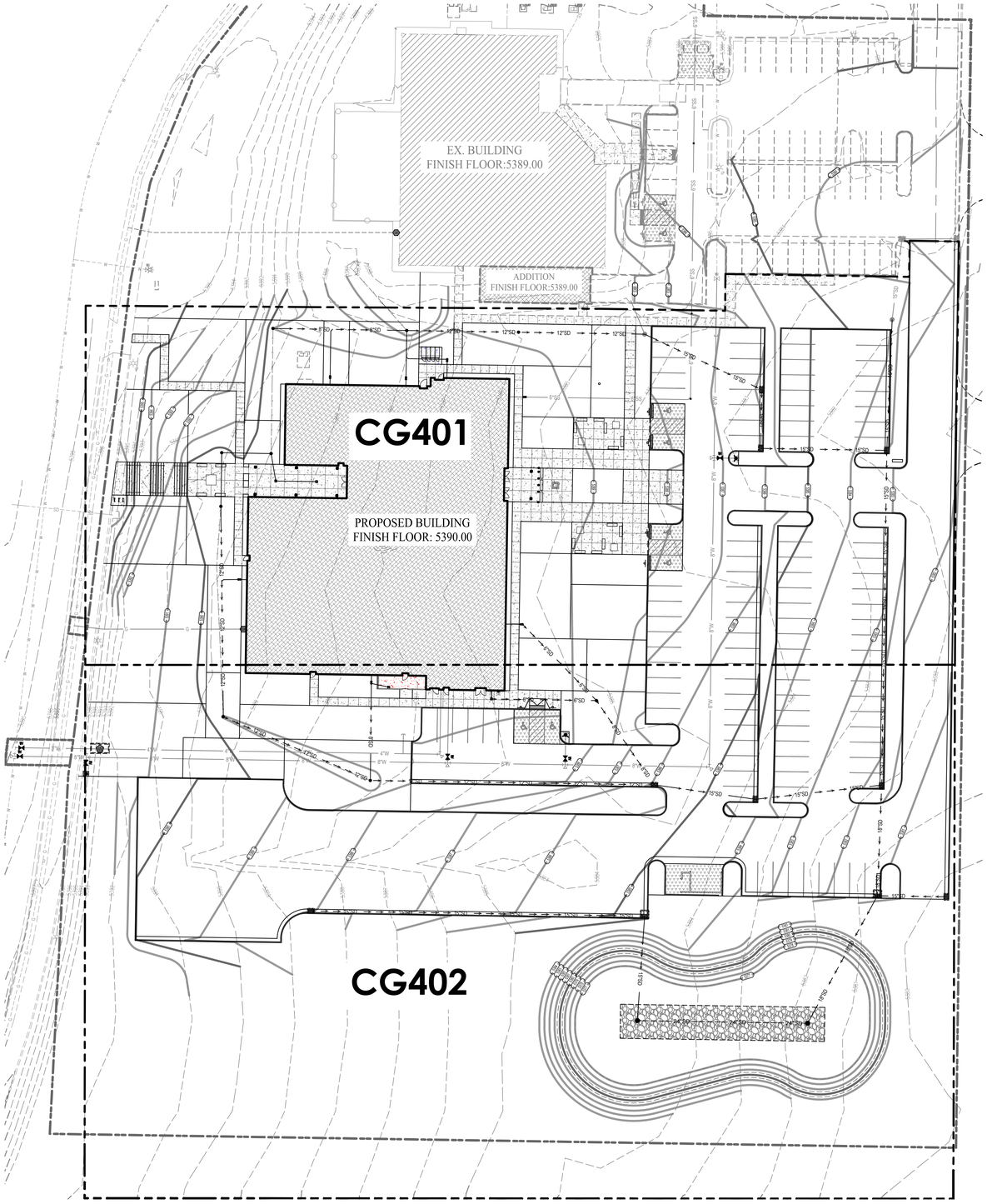
MARK	DATE	DESCRIPTION
1	05/13/26	TITLE/LOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **CCC**
CHECKED BY: **MAC**
PROJECT#: **2023-41**

Blue Stakes of Utah 811

SHEET NUMBER:

CU300





GENERAL GRADING NOTES:

1. REFER TO SHEET ARCHITECTURAL SITE PLAN DETAILS FOR RAISED PLANTERS, HANDICAP RAMPS, SIDEWALK DETAILS, FLUSH CURB, DIMENSIONS OF PLAYGROUND, PARKING LOT STRIPING AND SITE FENCING WITH MOW STRIP.
2. CONTOURS OF THE SITE ARE BASED ON A SURVEY BY JONES & DEMILLE ENGINEERING. REFER TO THEIR SURVEY FOR PROJECT BENCH MARK AND BASIS OF BEARING.
3. ALL WORK IN CITY ROW SHALL BE IN ACCORDANCE WITH APWA AND CITY OF RICHFIELD STANDARD PLANS AND SPECIFICATIONS. NEW CURB AND GUTTER, PAVEMENT REPAIRS, AND THE NEW DRIVEWAYS SHALL COMPLY WITH THESE APWA AND CITY STANDARDS. TRAFFIC CONTROL FOR THE PROJECT SHALL ALSO BE APPROVED BY THE CITY WHERE THE SITE ACCESSES TO PUBLIC STREETS. COORDINATE WITH CITY FOR PAVEMENT CONSTRUCTION IN RIGHT OF WAY TO THE REQUIRED PAVEMENT THICKNESS FOR ALL STREET REPAIRS.
4. PROVIDE APPROVED SILT PROTECTION FOR ALL NEW AND EXISTING CATCH BASINS UNTIL LANDSCAPING IS WELL ESTABLISHED AND PARKING IS COMPLETE. THE PIPING SYSTEM SHALL BE CLEANED OUT BEFORE FINAL APPROVAL. USE MIRAFI "DANDY SAC" OR ANOTHER APPROVED EQUIVALENT FOR EXISTING INLET PROTECTION. REFER TO SHEET C500 AND C510.
5. DIMENSIONS OR COORDINATES ARE TO THE CENTER OF CATCH BASINS FOR AREA INLETS AND AT THE CENTER OF THE CATCH BASIN AT TBC FOR INLETS IN CURB AND GUTTER.
6. HANDICAP PARKING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION. THE PERPENDICULAR CROSS SLOPE TO PARKING STALL IN OTHER AREAS OF THE PARKING LOT SHALL NOT EXCEED 4% IN SLOPE AND SLOPE SHALL NOT EXCEED 8% IN ANY DIRECTION FOR DRIVEWAYS.
7. ALL WALKWAYS SHALL NOT EXCEED 5% SLOPE. THE PERPENDICULAR CROSS SLOPE TO NOT EXCEED 2% MAX. SLOPE FOR WALKWAYS 2% MAX. FROM BUILDING OR STAIR RISERS FOR 5' MINIMUM. ALSO SLOPE 2% MAX FOR 5' AT THE END OF THE 1:12 SLOPE OF ALL H.C. RAMPS.
8. REFER TO CS030 SITE PLAN.
9. PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
10. "TBC" IS TOP BACK OF CURB ELEVATIONS. "FS" IS FINISH SURFACE ELEVATIONS. "TOC" IS TOP OF CONCRETE ELEVATIONS. "TOW" IS TOP OF WALL ELEVATIONS. "BOT" IS FINISH SURFACE AT BOTTOM OF WALL ELEVATIONS. "FL" IS FLOW LINE. "HP" IS HIGH POINT FOR THE AREA. "LIP" IS THE LIP OF GUTTER.
11. TRANSITION FACE OF CURB TO BE FLUSH TO ADJACENT FINISHED SURFACE WHERE INDICATED BY "TBCFS" TO FULL HEIGHT OVER 5' (MIN).
12. PLACE CONCRETE COLLAR AROUND ALL NEW CATCH BASINS OR CLEANOUTS (NOT IN CURB AND GUTTER). COLLAR TO BE 1' MINIMUM WIDTH AND SHALL BE 8" MINIMUM THICKNESS. PLACE 2 #4 BARS AROUND OPENING. SEE DETAIL ON SHEET C100.
13. ALL LANDSCAPE AREAS SHALL HAVE 4" MINIMUM OF TOPSOIL OR AS REQUIRED BY LANDSCAPE PLANS. LANDSCAPE AREAS TO BE GRADED TO DRAIN AND MOUND WHERE INDICATED ON LANDSCAPE PLANS.
14. REFER TO SHEET C100 AND CS230 FOR REQUIRED PAVEMENT SECTIONS.
15. ALL STORM WATER TO BE RETAINED ONSITE FOR THE 100-YEAR STORM EVENT.
16. IF MORE THAN 3 FEET OF GRADING FILL WILL BE PLACED ABOVE THE EXISTING SURFACE (TO RAISE SITE GRADES), THE OWNERS GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED SO THAT THEY MAY ASSESS POTENTIAL SETTLEMENT AND MAKE ADDITIONAL RECOMMENDATIONS IF NEEDED.
17. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN THE SPEC SECTION WITH UP TO 2' OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE.
18. SITE SOILS MAY NOT SUPPORT CONSTRUCTION TRAFFIC DURING WET PERIODS OF THE YEAR. CONTRACTOR WILL BE RESPONSIBLE TO PLACE GRANULAR FILL AND/OR COBBLE MATERIALS AS NECESSARY TO MAINTAIN ACCESS TO THE SITE OR BUILDING THROUGHOUT THE CONSTRUCTION SITE AT ALL TIMES. EXCESS MATERIAL SHALL BE REMOVED AS REQUIRED TO COMPLETE THE SITE TO THE GRADES SHOWN ON GRADING PLANS. ALSO REFER TO GEOTECHNICAL INVESTIGATION SHEETS FOR SITE SOIL PREPARATION REQUIREMENTS.
19. PROVIDE TEMPORARY STORM DRAIN PUMPING, PONDING, BERMING, PIPING AND INLETS OR OTHER MEASURES TO RETAIN CONSTRUCTION STORM DRAIN RUNOFF ON SITE DURING CONSTRUCTION UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL CONSTRUCTION SITE RUNOFF TO HAVE HEAVY SEDIMENT REMOVED PRIOR TO RELEASING TO EXISTING SITE DRAIN SYSTEM. PROTECT ADJACENT BUILDING FROM CONSTRUCTION RUNOFF AT ALL TIMES.
20. THERE SHOULD BE NO STANDING WATER ONSITE. ALL STORM WATER SHALL DRAIN TO AN INLET OR AREA DRAIN. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF ANY LOW SPOTS THAT DO NOT DRAIN ARE ENCOUNTERED. A WATER TEST WILL BE PERFORMED BY THE CONTRACTOR WITH THE ENGINEER OF RECORD IN ATTENDANCE OR A SURVEY OF THE NEW IMPROVEMENTS PROVIDED TO THE ENGINEER AT COMPLETION OF THE PROJECT TO VERIFY THAT ALL STORM DRAIN WATER DRAINS AS DESIGNED.
21. ALL "MATCH" LOCATIONS INDICATE THAT THE CONTRACTOR IS TO MATCH THE EXISTING GRADE. AN APPROXIMATE ESTIMATE IS PROVIDED BY THE ENGINEER BASED ON AN INTERPOLATION OF NEAREST SPOT ELEVATIONS PROVIDED BY THE SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE ELEVATIONS. IF THE ELEVATION PROVIDED BY THE ENGINEER VARIES GREATLY FROM THE ACTUAL ELEVATION FOUND BY THE CONTRACTOR THE CONTRACTOR IS TO NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN PROVIDE FURTHER DIRECTION.
22. GRADE UNIFORMLY BETWEEN SPOT ELEVATIONS AND CONTOURS UNLESS NOTED OTHERWISE. IF ANY QUESTIONS ARISE ABOUT THE PROPOSED GRADING SHOWN ON PLANS CONTACT THE ENGINEER OF RECORD BEFORE FIELD GRADING.
23. MAINTAIN DRAINAGE FROM ALL EXISTING ROOF DRAINS DURING CONSTRUCTION OF ALL PHASES. PROVIDE TEMPORARY MEASURES OF NEW PIPING, PUMPING, OR OTHER METHODS TO MAINTAIN DRAINAGE FROM ALL EXISTING ROOF DRAIN WHILE NEW PIPING SYSTEMS OUTFALLS ARE COMPLETED.
24. REMOVE ALL CLAY MATERIALS FROM UNDER BUILDINGS AS OUTLINED IN THE SPECIFICATIONS. UNDER NEW PAVEMENT REMOVE A MINIMUM OF 12" OF CLAY LAYER AND REPLACE WITH GRANULAR FILL AS OUTLINED IN THE PAVEMENT DETAILS ON C100 AND THE EARTH MOVING SPECIFICATION. ALL UTILITIES TRENCHES TO BE BACKFILLED WITH GRANULAR BACKFILL PER TRENCH DETAIL ON C100. AT PLAYGROUND AREAS TO RECEIVE BARK OR MULCH ALL SURFACE CLAY LAYERS TO BE REMOVED FROM BENEATH THESE AREAS. BACKFILL WHERE NECESSARY WITH GRANULAR BACKFILL MATERIAL IF CLAY EXCAVATION EXTENDS BELOW REQUIRED ROUGH GRADE ELEVATION BELOW PLAYGROUND AREAS.
25. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL STUDY REFERENCED IN PLAN SET. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS BEING PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOIL REPORT.
26. CONTRACTOR IS TO BE AWARE OF WHAT WAS ALREADY INSTALLED OR UNDER CONSTRUCTION IN PACKAGE 1 AND TO FACILITATE ANY COORDINATION BETWEEN THE BINDING AND CONSTRUCTION OF THE TWO PACKAGES. ITEMS PREVIOUSLY COMPLETED IN PACKAGE 1 ARE TO BE PROTECTED IN PLACE DURING CONSTRUCTION OF PACKAGE 2. THIS INCLUDED ALL MASS EXCAVATION AND ROUGH GRADING.
27. ADS INJECTION MOLDED 45° REDUCER WYE (OR APP EQUIVALENT) FLOWABLE FILL TO BE PLACED AROUND EACH WYE CONNECTION, TYP.
28. NO STORM WATER TO ENTER THE RETENTION BASIN UNTIL THE PIPING SYSTEM AND PRE-TREATMENT INLET HAS BEEN INSTALLED. CONTRACTOR TO CLEAN ENTIRE SYSTEM BEFORE IT IS ATTACHED TO THE RETENTION BASIN.
29. NOTIFY ENGINEER OF RECORD IF THERE ARE ANY CONFLICTS WITH UTILITY LINES OR IF ASSUMED INVERTS VARY, FOR FURTHER COORDINATION. SEWER AND WATERLINES TO HAVE 18" SEPARATION WITH WATER OVER SEWER. ALL OTHER UTILITIES TO HAVE 12" SEPARATION MIN. IF 12" SEPARATION CANNOT BE ACHIEVED UTILITIES TO HAVE FLOWABLE FILL BETWEEN THE UTILITY LINES 5' EACH WAY.
30. CONTRACTOR IS RESPONSIBLE TO INFORM THE ENGINEER OF RECORD IF THE GRADES SHOWN ON THE SURVEY DO NOT MEET THE ACTUAL GRADES IN THE FIELD.
31. ALL STRUCTURE LIDS WITHIN THE PROJECT LIMITS WILL NEED TO HAVE THEIR GRADE ADJUSTED. WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE 12" WIDE AROUND THE UTILITY APPARATUSES AND 6" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. CONCRETE COLLARS TO BE USED ONLY IN ASPHALT/CONCRETE/AND GRASS PAVER AREAS.
32. WRAP ALL PIPE ZONE MATERIAL FOR ONSITE UTILITIES IN MIRAFI 160N (OR APPROVED EQUIVALENT FILTER FABRIC. PROVIDE CUT-OFF WALLS (FLOWABLE FILL) ABOUT EVERY 200 FEET OR AT TRANSITIONS BETWEEN HARDSCAPING AND SOFTSCAPING AND AS SPECIFIED IN CITY SPECIFICATIONS. REFER TO LEGEND ON SHEET AND PLANS. CUT-OFF WALLS TO EXTEND 12" MIN. IN ALL DIRECTIONS BEYOND GRANULAR PIPE ZONE MATERIAL PER CITY STANDARDS.
33. RESTORE SOD AND SPRINKLER SYSTEM AROUND NEW IMPROVEMENTS IN LANDSCAPE. SPRINKLER SYSTEM MUST BE MAINTAINED AND REMAIN IN SERVICE FOR REMAINDER OF GRASS AREA DURING CONSTRUCTION.
34. REFER TO ARCHITECTURAL AND LANDSCAPE PLANS FOR ALL INFORMATION ABOUT EXISTING AND PROPOSED TREES.
35. REMOVE AND REPLACE ANY DAMAGED CURB, GUTTER, OR SIDEWALK ALONG FRONTAGE BEFORE FINAL INSPECTION.
36. ALL GUTTERS TO SLOPE 0.5% MINIMUM TOWARDS CURB INLET BOX. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF THE PROPOSED GRADE DOES NOT MEET 0.5% SLOPE IN GUTTER.
37. CONCRETE SITE WALLS AND BUILDING FOUNDATIONS AS INDICATED ON THE ARCHITECTURAL PLANS (EXCEPT STAIR CHEEK WALLS OR SEAT WALLS) TO HAVE A 4" PERFORATED DRAIN (PVC OR HDPE WRAPPED IN DRAINAGE FABRIC) AS SHOWN SCHEMATICALLY ON CIVIL PLANS AND ON THE RETAINING WALL DETAILS ON THE STRUCTURAL PLANS. CONNECT TO SITE DRAINAGE STRUCTURES AS SHOWN WITH 4" PVC SOLID PIPE (SDR 35) FROM THE CONNECTION AT THE PERFORATED FOOTING DRAIN TO THE STORM DRAIN STRUCTURE. SLEEVE DRAIN PIPE THROUGH SITE WALLS AS REQUIRED TO CONNECT TO DRAINAGE SYSTEM. WHERE FOOTINGS STEP DOWN BELOW NORMAL DEPTH FOR UTILITY CROSSING, PERFORATED DRAIN PIPE DOES NOT STEP DOWN TO AVOID ANY LOW POINTS IN THE WALL DRAIN PIPING.
38. SPOT ELEVATION PREFIX OF 53 HAS BEEN DROPPED FROM THE ELEVATIONS IE: ELEVATION 00.00 = 5300.00.

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
AJC WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE SITE AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS ENCOUNTERED BEFORE COMMENCING WORK. FAILURE TO DO SO MAY RESULT IN YOU BEING HELD RESPONSIBLE FOR ANY RESULTING MISAPPROPRIATION IN VIOLATION OF 17-24-3 ET. SEQ. AND OTHER LAWS.

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MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/29/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

NEW BUILDING OVERALL GRADING PLAN

REVISIONS

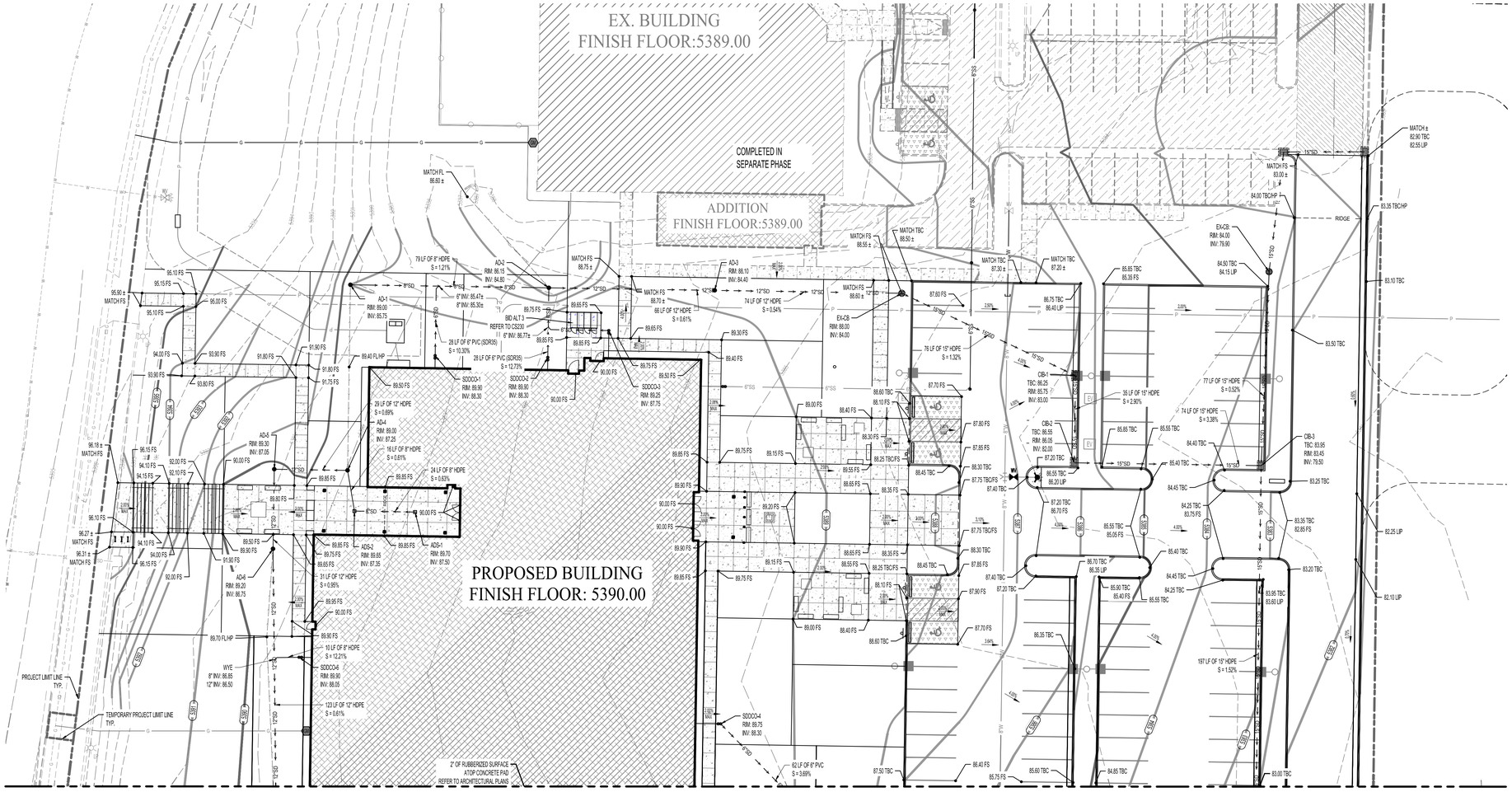
MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**CCC**
CHECKED BY:	**MAC**
PROJECT#:	**2023-41**

SHEET NUMBER:

CG400

Blue Stakes of Utah 811
Bluestakesutah.com



CONTINUATION LINE SEE SHEET CG402

THE CONTRACTOR TO SCHEDULE THE ENGINEER OF RECORD IN WRITING 3 DAYS MINIMUM BEFORE PLACEMENT OF CONCRETE CURBING, FLATWORK, OR ASPHALT PAVING. ALL AREAS MUST BE FORMED AND HAVE COMPACTED BASE COURSE IN PLACE FOR THE ENGINEER TO COMPLETE A RANDOM SPOT GRADE CHECK BEFORE ASPHALT AND CONCRETE CONSTRUCTION. THE RANDOM GRADE CHECKS ARE FOR GENERAL CONFORMANCE TO SLOPES AND GRADING SHOWN ON PLANS USING A SMART LEVEL. RANDOM CHECKS DO NOT ALLEVIATE THE CONTRACTORS RESPONSIBILITY TO ENSURE GRADING IS IN CONFORMANCE WITH PLANS AND SPECIFICATIONS AND SATISFY PERFORMANCE OF HIS WORK. WITHIN 2 DAYS OF THE RANDOM SPOT CHECK, RESULTS OF THE SPOT CHECKS AND AREAS OF NON COMPLIANCE WILL BE PROVIDED TO THE CONTRACTOR AND ARCHITECT.

THE CONTRACTOR MAY REQUEST CADD FILES. HOWEVER, ALL PROPOSED ELECTRONIC SURFACES SUPPLIED BY MERIDIAN ENGINEERING ARE PREPARED TO HELP IN THE INHOUSE PREPARATION OF THE BID SET GRADING PLANS. THE SURFACE(S) PROVIDED DO NOT HAVE SURFACE POINTS THAT REFLECT ANY SPOT ELEVATIONS SHOWN ON THE CONTRACT DOCUMENT PLANS. THE SURFACE IS GENERAL GRADING ONLY FOR USE IN ANY INHOUSE UTILITY PROFILING CREATED FOR THE CONTRACT DOCUMENTS AS WELL AS FOR CREATING GENERAL CUT/FILL DURING DESIGN. THE CONTRACTOR WILL NEED TO CREATE THEIR OWN SURFACE MODELS BASED ON THE SEALED CONTRACT DOCUMENT GRADING PLAN PDF SHEETS IF THEY WANT TO USE FOR CONSTRUCTION STAKING OR MACHINE CONTROL FOR ALL SITE IMPROVEMENTS. THE CONTRACTOR IS HELD TO CONSTRUCT THE SITE TO THE FINISH GRADES SHOWN ON THE GRADING PLANS IN THE SEALED CONTRACT DOCUMENT PDFS AND NOT THE GRADES MODELED IN THE ELECTRONIC SURFACE MODELS PROVIDED IN ANY TRANSMITTAL FROM MERIDIAN.

GRADING LEGEND

- 5390 — MAJOR CONTOUR
- 5389 — MINOR CONTOUR

MERIDIAN ENGINEERING, INC.

0 20 40

SCALE 1"=20'

NOTES:
1. REFER TO NOTES ON CG400.

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MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY-NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

NEW BUILDING ENLARGED GRADING PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

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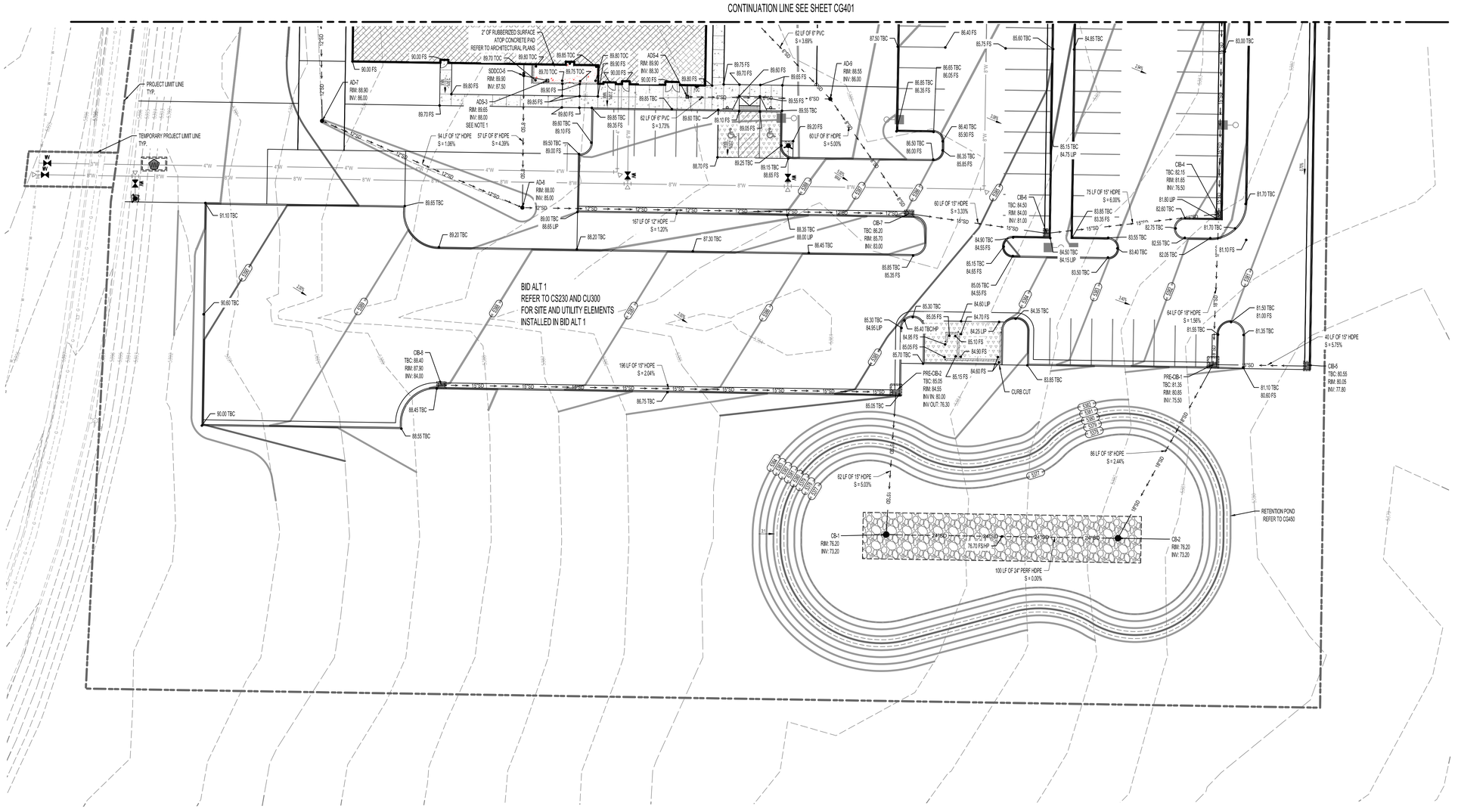
DRAWN BY:	**CCC**
CHECKED BY:	**MAC**
PROJECT#:	**2023-41**

SHEET NUMBER:

CG401

Blue Stakes of UTAH 811
Utah811.com



THE CONTRACTOR TO SCHEDULE THE ENGINEER OF RECORD IN WRITING 3 DAYS MINIMUM BEFORE PLACEMENT OF CONCRETE CURBING, FLATWORK, OR ASPHALT PAVING. ALL AREAS MUST BE FORMED AND HAVE COMPACTED BASE COURSE IN PLACE FOR THE ENGINEER TO COMPLETE A RANDOM SPOT GRADE CHECK BEFORE ASPHALT AND CONCRETE CONSTRUCTION. THE RANDOM GRADE CHECKS ARE FOR GENERAL CONFORMANCE TO SLOPES AND GRADING SHOWN ON PLANS USING A SMART LEVEL. RANDOM CHECKS DO NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GRADING IS IN CONFORMANCE WITH PLANS AND SPECIFICATIONS AND SATISFY PERFORMANCE OF HIS WORK. WITHIN 2 DAYS OF THE RANDOM SPOT CHECK, RESULTS OF THE SPOT CHECKS AND AREAS OF NON COMPLIANCE WILL BE PROVIDED TO THE CONTRACTOR AND ARCHITECT.

THE CONTRACTOR MAY REQUEST CADD FILES. HOWEVER, ALL PROPOSED ELECTRONIC SURFACES SUPPLIED BY MERIDIAN ENGINEERING ARE PREPARED TO HELP IN THE INHOUSE PREPARATION OF THE BID SET GRADING PLANS. THE SURFACE(S) PROVIDED DO NOT HAVE SURFACE POINTS THAT REFLECT ANY SPOT ELEVATIONS SHOWN ON THE CONTRACT DOCUMENT PLANS. THE SURFACE IS GENERAL GRADING ONLY FOR USE IN ANY INHOUSE UTILITY PROFILING CREATED FOR THE CONTRACT DOCUMENTS AS WELL AS FOR CREATING GENERAL CUT/FILL DURING DESIGN. THE CONTRACTOR WILL NEED TO CREATE THEIR OWN SURFACE MODELS BASED ON THE SEALED CONTRACT DOCUMENT GRADING PLAN PDF SHEETS IF THEY WANT TO USE FOR CONSTRUCTION STAKING OR MACHINE CONTROL FOR ALL SITE IMPROVEMENTS. THE CONTRACTOR IS HELD TO CONSTRUCT THE SITE TO THE FINISH GRADES SHOWN ON THE GRADING PLANS IN THE SEALED CONTRACT DOCUMENT PDFS AND NOT THE GRADES MODELED IN THE ELECTRONIC SURFACE MODELS PROVIDED IN ANY TRANSMITTAL FROM MERIDIAN.

GRADING LEGEND

- 5150 — MAJOR CONTOUR
- 5172 — MINOR CONTOUR

MERIDIAN ENGINEERING, INC.

0 20 40

SCALE 1"=20'

NOTES:
1. PLACE RIM OF ADS-3 FLUSH WITH POURED IN PLACE CONCRETE UNDER PLAYGROUND SURFACE. SLOPE CONCRETE TO DRAIN TO ADS BASIN.
2. ALL OTHER NOTES REFER TO CG400.

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PC. WRITTEN PERMISSION OF AJC ARCHITECTS PC. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BEFORE PROCEEDING WITH THE WORK INVOLVED. ANY UNAUTHORIZED REUSE OF THESE DRAWINGS, PLANS, CONSTRUCTION WORK, OR PHASE AND/OR FAILURE TO GIVE AJC ARCHITECTS PC. PROPER AND/OR ADDITIONAL COMPENSATION FOR SUCH REUSE MAY CONSTITUTE THEFT, MISAPPROPRIATION IN VIOLATION OF 17 U.S.C.§ 2-31-1 ET. SEQ. AND OTHER LAWS.

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DFCM Project #24251300
Conformed Set
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SHEET NAME:

NEW BUILDING ENLARGED GRADING PLAN

REVISIONS

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1	051326	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

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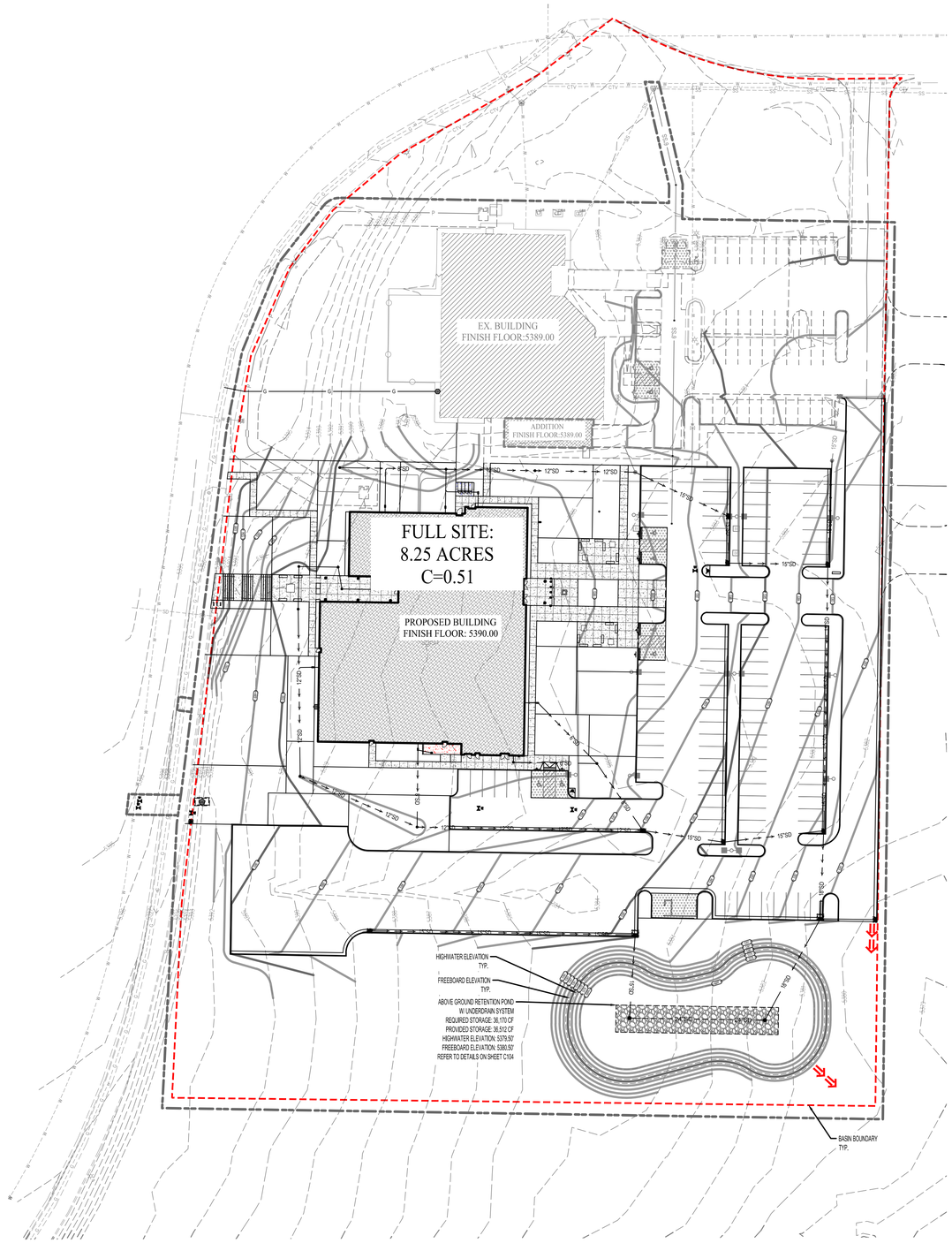
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **CCC**
CHECKED BY: **MAC**
PROJECT#: **2023-41**

SHEET NUMBER:

CG402

Blue Stakes of UTAH 811
Blue Stakes Utah.com





NOTES:

1. SEDIMENT WILL NOT BE ALLOWED INTO RETENTION BASIN DURING CONSTRUCTION AND DURING LANDSCAPE STABILIZATION OF SOILS. CONTRACTOR WILL BE REQUIRED TO CLEAN OR REPLACE RETENTION BASINS THAT ARE NOT MAINTAINED FREE OF SEDIMENT DURING CONSTRUCTION AND DURING ESTABLISHMENT OF ALL LANDSCAPED AREAS.
2. APPROXIMATED A 100 YEAR STORM EVENT IS TO BE RETAINED ABOVE GROUND.

HYDROLOGY LEGEND

- - - - - - - - - HIGH WATER LINE

⇒⇒ 100-YEAR STORM OVERFLOW PATH - OVERLAND

Date: 2/16/2026

Project Location: Richfield Regional Center - 100 Year Retention

Allowable Release Rate

Total Area	**8.25 Ac.**	**359,452 Sq Ft**
Storm Drain Release Rate	**0.00 cfs/acre**	
	0.00 cfs	

		Runoff Coefficients
Paved Area:	120,000 SF	C= 0.9
Landscape Area:	199,452 SF	C= 0.2
Roof Area:	40,000 SF	C= 0.9
Other (Pavers)	0 SF	C= 0.5
TOTAL AREA	359,452 SF	Weighted C= 0.51

Lapsed Time Minutes	Accum. Rainfall Inches (100 yr)	"CA" Acre	Total Runoff Vol. CF	Storm Drain Discharge CF	Req'd Storage CF
5	0.477	4.22	7,249	0	7,249
10	0.726	4.22	11,033	0	11,033
15	0.900	4.22	13,678	0	13,678
30	1.21	4.22	18,389	0	18,389
60	1.50	4.22	22,796	0	22,796
120	1.75	4.22	26,596	0	26,596
180	1.78	4.22	27,052	0	27,052
360	1.91	4.22	29,027	0	29,027
720	2.12	4.22	32,219	0	32,219
1,440	2.38	4.22	36,170	0	36,170

REQUIRED RETENTION STORAGE: 36,170 Cu. Ft

	Elevation Ft	Area Sq Ft	Volume Cu Ft	Cumulative Volume Cu Ft
1' Overflow	5380.5			Freeboard
Highwater Mark	5379.5	**14,424**	6,840	33,923
	5379.0	**12,935**	12,219	27,084
	5378.0	**11,502**	10,814	14,865
	5377.0	**10,127**	4,051	4,051
	5376.2	**0**		

Provided Pond Storage 33,923 Cu. Ft

Under Drain Storage Calculations

Total Bed Length Ft	Total Bed Width Ft	Cover Over pipe Ft	Excavation Depth Ft	Total Depth Ft	Void Ratio %	Pipe Diameter In	Storage Volume Cu. Ft	Storage Volume Cu. Ft	Under Drain Volume Provided Cu. Ft
			Underdrain						
100	**20**	**0.50**	**0.5**	**3.00**	**40%**	**24**	**314**	**2,274**	**2,588**

Total Provided Storage 36,512

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT AND ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF AJC ARCHITECTS PC. ANY REPRODUCTION OF THESE IDEAS, DESIGNS, ARRANGEMENTS AND PLANS WITHOUT THE WRITTEN PERMISSION OF AJC ARCHITECTS PC AND WITHOUT EXPRESS INCLUSION OF THE COPYRIGHT NOTICE SHOWN HEREON IS PROHIBITED. THE VISUAL CONTRACT BETWEEN AJC ARCHITECTS PC AND ANY CONTRACTORS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY WRITTEN DIMENSIONS THAT MAY PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE PROCEEDING WITH THE WORK. ANY UNAUTHORIZED CHANGES AND USES MADE FROM THESE DRAWINGS, WITHOUT AUTHORIZATION OR KNOWLEDGE BY AJC ARCHITECTS PC, ARE THE SOLE RESPONSIBILITY OF THE OWNER OR USER AND ANY PARTIES INVOLVED AND MADE WITHOUT LIABILITY TO AJC ARCHITECTS PC. THE OWNER AND USER AGREE TO HOLD HARMLESS AND INDEMNIFY AJC ARCHITECTS PC FOR ANY AND ALL MISAPPROPRIATION IN VIOLATION OF 17 U.S.C.§ 24-3-1 ET. SEQ. AND OTHER LAWS.

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MERIDIAN ENGINEERING, INC.

ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
No. 5251938-2202
MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

NEW BUILDING HYDROLOGY PLAN

REVISIONS

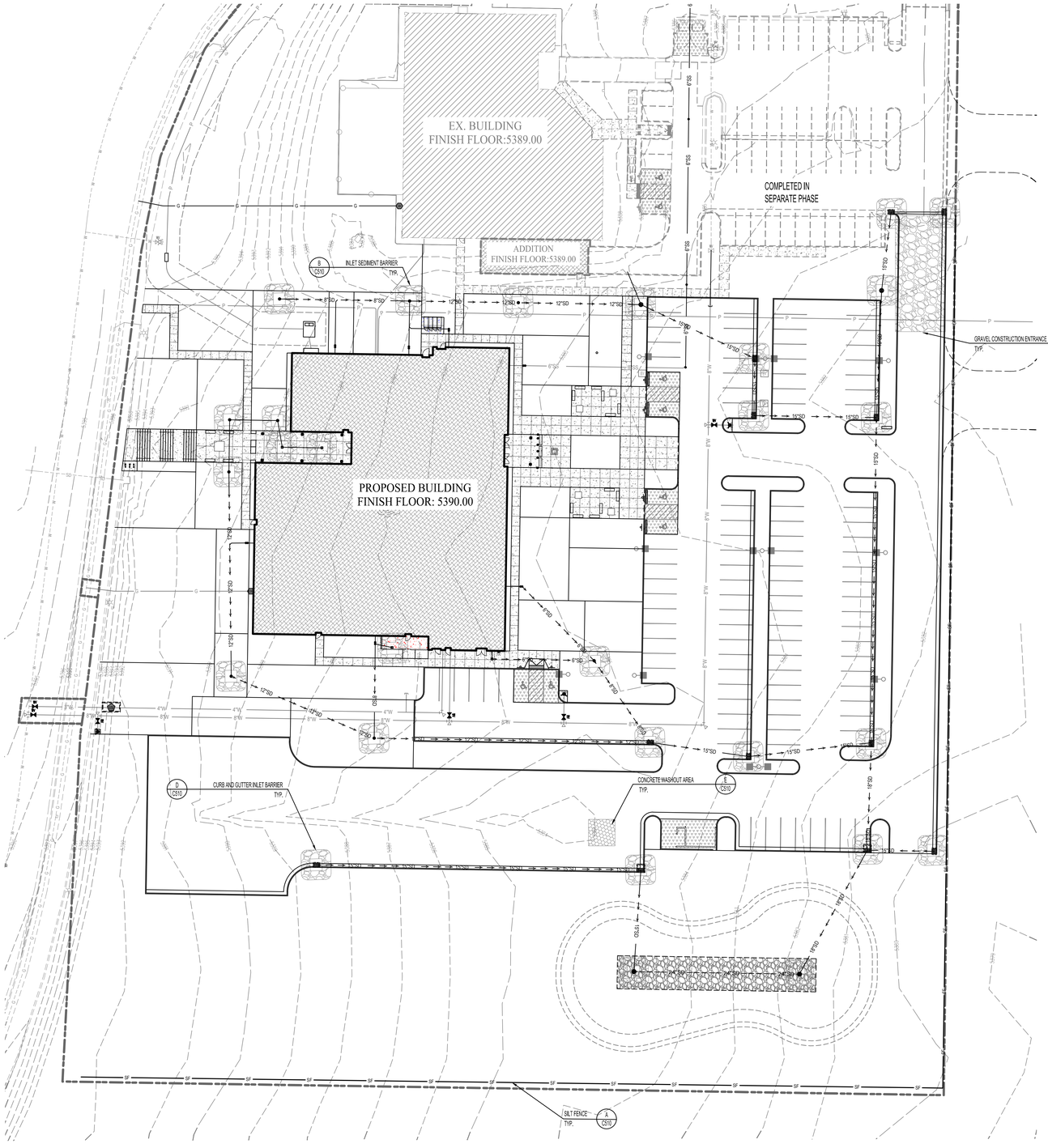
MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **CCC**
CHECKED BY: **MAC**
PROJECT#: **2023-41**

Blue Stakes of Utah 811

SHEET NUMBER:

CG450



NOTES:

1) THERE ARE ABOUT 5.7 ACRES WITHIN THE PROJECT BOUNDARY THAT WILL BE DISTURBED WITH NEW CONSTRUCTION OR CONTRACTOR STORAGE ACTIVITIES.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

1) FIELD MARK LIMIT OF DISTURBANCE FOR APPROVAL BY RICHFIELD CITY AND OBTAIN A STORM WATER MANAGEMENT PERMIT AS NEEDED BY RICHFIELD CITY.

2) INSTALL SILT FENCE AND/OR ENVIRONMENTAL FENCE AROUND PERIMETER OF PROJECT AS INDICATED ON THIS PLAN SHEET.

3) INSTALL SEDIMENT CONTROL MEASURES INDICATED IN ALL EXISTING STORM DRAIN INLETS ADJACENT TO THE CONSTRUCTION SITE.

4) CONTRACTOR WILL BEGIN DEMOLITION, GRADING, EXCAVATION, AND CONSTRUCTING UTILITY SITE IMPROVEMENTS. AS NEW DRAINAGE ELEMENTS ARE COMPLETED, CONSTRUCT SEDIMENT PROTECTION AT ALL NEW INLETS.

5) AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE STABILIZED WITH SOD IN LANDSCAPED AREAS AND PAVEMENT IN PARKING AND DRIVEWAY AREAS. SITE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION ACTIVATES TO BE COMPLETED WITHIN 21 DAYS OF FINISHING AN AREA TO THE FINAL LINES AND GRADES INDICATED ON THE GRADING PLAN.

6) UPON LANDSCAPE ESTABLISHMENT, REMOVE TEMPORARY MEASURE & CLEAN STORM DRAIN SYSTEM PRIOR TO RELEASE OF SYSTEM TO THE OWNER.

RUNOFF COEFFICIENTS AND DISCHARGE:

1) THE EXISTING RUNOFF COEFFICIENT FOR THE PROJECT AREA IS ESTIMATED TO BE 0.20. THE NEW RUNOFF COEFFICIENT WILL BE APPROXIMATELY 0.65 FOR THE NEW IMPROVEMENTS.

2) RUNOFF WILL BE COLLECTED ON SITE AND RETAINED IN AN ABOVEGROUND RETENTION POND.

POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES:

1) THE OWNER WILL SUBMIT POST CONSTRUCTION BEST MANAGEMENT PRACTICES TO RICHFIELD CITY.

GENERAL STORM WATER POLLUTION CONTROL NOTES:

1) SEE C510 FOR STORM WATER POLLUTION CONTROL NOTES AND GENERAL PRACTICES.

2) ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.

3) CONTRACTOR SHALL BE REQUIRED TO KEEP RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION THEREFROM BEFORE PROCEEDING WITH THE WORK INVOLVED. ALL DRAWINGS, PLANNING, CONSTRUCTION HEREOF, AS A WHOLE OR IN PART, MADE TO U.S. SEC. 504, UNAUTHORIZED DISCLOSURE MAY CONSTITUTE THEFT.
MISAPPROPRIATION IN VIOLATION OF 17-24.2-311 ET. SEQ. AND OTHER LAWS.

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MARK A. COOK
STATE OF UTAH

ISSUED: 2026/05/26

AHJ

1

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

NEW BUILDING EROSION CONTROL PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	051326	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**CCC**
CHECKED BY:	**MAC**
PROJECT#:	**2023-41**

SHEET NUMBER:

C500

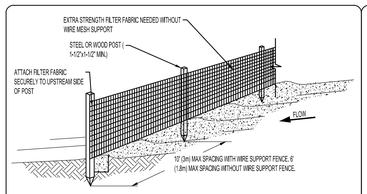
Blue Stakes of UTAH 811
Blue Stakes of Utah.com

SILT FENCES: INSTALLATION OF SILT FENCES NOTE:

1. DIG OR TRENCH A FOUR INCH WIDE BY SIX INCH DEEP TRENCH. THE LENGTH OF THE SILT FENCE
2. ROLL OUT SILT FENCE MATERIAL ALONG THE FRONT OF THE TRENCH SUCH THAT THE STAKES WILL BE ON THE DOWNSTREAM SIDE AND THE BOTTOM FLAP LAY IN THE TRENCH.
3. STARTING AT ONE END, DRIVE THE FIRST STAKE AT LEAST 10 INCHES INTO THE GROUND. NOTE THAT THE STAKE MUST BE DRIVEN FAR ENOUGH INTO THE GROUND SO THAT 8 - 12 INCHES OF MATERIAL REMAINS IN THE GROUND.
4. AT THE NEXT STAKE, PULL THE MATERIAL TAUT BEFORE DRIVING THE SECOND STAKE INTO THE GROUND. NOTE THAT THE STAKE MUST BE DRIVEN FAR ENOUGH INTO THE GROUND SO THAT 8 - 12 INCHES OF MATERIAL REMAINS IN THE GROUND.
5. REPEAT STEP 4 UNTIL THE STAKES ARE DRIVEN INTO THE GROUND.
6. WHEN ATTACHING TWO LENGTHS OF FENCE TOGETHER, DO THE FOLLOWING.
   - 6.1 PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
   - 6.2 ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION, TO CREATE A TIGHT SEAL WITH THE FENCE MATERIAL.
   - 6.3 DRIVE BOTH POST INTO THE GROUND SO THAT 8 - 12 INCHES OF MATERIAL REMAINS IN THE GROUND.

EROSION CONTROL GENERAL NOTES:

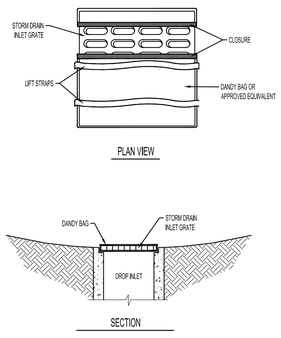
1. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN.
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. A REPRESENTATIVE OF THE CITY PUBLIC WORKS DEPARTMENT MAY REQUIRE ADDITIONAL CONTROL DEVICES UPON INSPECTION OF PROPOSED FACILITIES.
3. ALL BEST MANAGEMENT PRACTICES AND EROSION CONTROL MEASURES ARE TO CONFORM TO THE CITY LAND DISTURBANCE DESIGN AND CONSTRUCTION STANDARDS.
4. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STREETS CLEAN AND FREE FROM DEBRIS DEPOSITED BY TRAFFIC FROM THE SITE.
5. ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE NEED TO BE PROTECTED FROM SITE RUNOFF. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AS INDIVIDUAL INLETS ARE INSTALLED.
6. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PAVED, SEEDED WITH NATIVE VEGETATION OR LANDSCAPED. REFER TO LANDSCAPE PLANS FOR SEED MIX AND PLANTING SPECIFICATIONS.
7. EROSION CONTROL STRUCTURES BELOW SODDED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING ARE IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVEMENT AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
8. CONTRACTOR SHALL USE VEHICLE TRACKING CONTROL AT ALL LOCATIONS WHERE VEHICLES WILL ENTER OR EXIT THE SITE. CONTROL FACILITIES SHALL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED.
9. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT WITH STORM WATER DISCHARGES FROM THE SITE.
10. BLOWING DUST MUST BE CONTROLLED AT ALL TIMES. SITE WATERING SHALL BE USED TO CONTROL DUST. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS ABSOLUTELY PROHIBITED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, GRAVEL BAGS, ETC.) DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT.
12. ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
13. ALL MEASURES CONTAINED IN THIS PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT. ANY NEEDED CLEANING AND REPAIRS SHALL BE DONE IMMEDIATELY UPON DISCOVERY.
14. ALL UTILITY LINES SHALL BE CLEANED OF DIRT AND DEBRIS PRIOR TO BEING PUT INTO SERVICE. DOWN-GRADE LINES MUST BE PROTECTED FROM WASH-WATER DURING THE CLEANING TO AVOID CONTAMINATION AND COMPROMISING OUTFALL CLEANLINESS.



TRENCH DETAIL — INSTALLATION WITHOUT TRENCHING

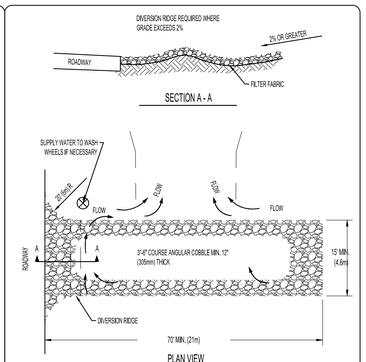
NOTES:
1. SILT FENCE SHALL BE PLACED ON THE SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

SILT FENCE — N.T.S. — A



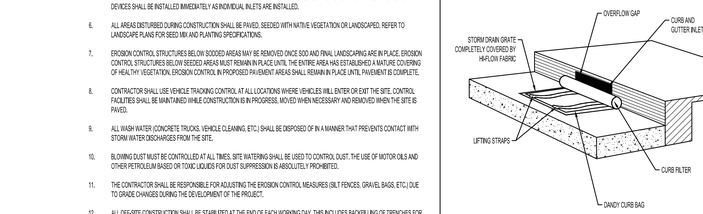
NOTES:
1. "DANDY CURB BAG" BY DANDY PRODUCTS OR OTHER APPROVED EQUIVALENT.

INLET SEDIMENT BARRIER — B



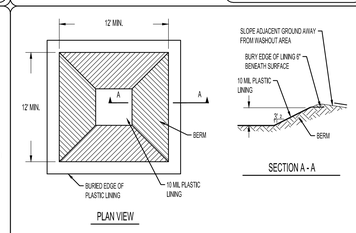
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO THE APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT — C



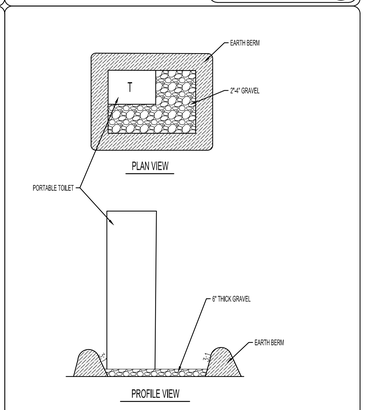
NOTES:
1. "DANDY CURB BAG" BY DANDY PRODUCTS OR OTHER APPROVED EQUIVALENT.

CURB AND GUTTER INLET SEDIMENT BARRIER — D



NOTES:
1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. PLASTIC LINING MATERIAL SHALL BE OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
3. A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT IS REQUIRED IF ACCESS TO CONCRETE WASHOUT AREA IS OFF PAVEMENT.
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
6. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE.
7. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY.

CONCRETE WASHOUT AREA — E



NOTES:
1. CONTRACTOR TO LOCATE ON SITE BASED ON TRAILER LOCATION.

PORTABLE TOILET BARRIER — F

LIMIT OF DISTURBANCE NOTES:

1. THE LIMITS OF DISTURBANCE (L.O.D.) TO BE FIELD MARKED.
2. FIELD VERIFICATION OF AN L.O.D. BY CITY ENGINEERING.
3. PRECONSTRUCTION EROSION AND SEDIMENT CONTROL MEETING REQUIRED PRIOR TO ANY DISTURBANCE. THE REQUIRED ATTENDEES WILL BE DEVELOPER'S PROJECT MANAGER, CONSTRUCTION COMPANY'S ON SITE MANAGER.
4. MODIFICATION OF L.O.D. AS REQUIRED BY RESULTS OF PRECONSTRUCTION MEETING.
5. THE CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM THE CITY CERTIFYING THE L.O.D., DUST CONTROL, AND TREE PROTECTION HAS BEEN REVIEWED AND APPROVED PRIOR TO WORK BEGINNING

CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES NOTES:

1. CONTRACTOR WILL PERFORM EARTHWORK IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS, CITY EROSION, SEDIMENT, REVEGETATION REQUIREMENTS AND THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY.
2. THE CONTRACTOR WILL PERFORM EARTHWORK IN ACCORDANCE WITH THE PROJECT EARTHWORK SPECIFICATIONS AND THE EARTHWORK RECOMMENDATIONS FOUND IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED FOR THIS PROJECT. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE DOCUMENTS MENTIONED (NOTE 2) AND THE CITY'S EROSION AND SEDIMENT CONTROL REQUIREMENTS OR THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY, THE CITY'S REQUIREMENTS AND THE STATE REQUIREMENTS WILL CONTROL.
3. L.O.D. BARRIERS WILL BE PROPERLY INSTALLED PRIOR TO ANY DISTURBANCE. L.O.D. BARRIERS ARE DEFINED AS SILT FENCE AND ENVIRONMENTAL FENCE.
4. INSTALL SILT FENCE ON ALL DOWNHILL SIDE OF L.O.D. SEE DETAIL AND SILT FENCE NOTES FOR CORRECT INSTALLATION PROCEDURE.
5. ENVIRONMENTAL FENCES ARE TO BE INSTALLED ON ALL UPHILL SIDE OF L.O.D.
6. THE L.O.D. SILT FENCE BARRIERS DO NOT REPLACE OR FUNCTION AS SEDIMENTATION B.M.P.S., ADDITIONAL SEDIMENT (BEST MANAGEMENT PRACTICES) BMPS WILL BE REQUIRED AS SHOWN ON THE PLANS OR AS REQUIRED BY THE CITY THROUGHOUT THE PROJECT AS UNFORESEEN SITUATIONS OCCUR.
7. WITHIN THE SAME WORKING DAY SOIL IS DISTURBED ALL SEDIMENT CONTROL B.M.P.S. WILL BE INSTALLED. AN EXAMPLE OF SEDIMENT CONTROL BMP IS A SILT FENCE OR A TEMPORARY SEDIMENTATION BASIN. EXISTING VEGETATION WILL NOT BE BURIED. THE METHOD OF DISPOSAL WILL BE SUBMITTED AND APPROVED BY THE CITY.
8. INSTALL ALL SEDIMENTATION BMPS AS SHOWN ON PLANS AND AS DIRECTED BY THE CITY
9. DUST CONTROL MEASURES WILL BE ON SITE AND IN WORKING ORDER WHEN SOIL IS DISTURBED. DUST CONTROL WILL BE USED 24 HOURS SEVEN DAYS PER WEEK UNTIL SOIL IS RESEEDED AND PROTECTED. WATER USED TO CONTROL DUST WILL CONTAIN CALCIUM CHLORIDE OR SIMILAR ADDITIVE. THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY DOES NOT REPLACE THE CALCIUM CHLORIDE REQUIREMENT.
10. INSTALL IMPROVEMENTS AS SHOWN ON THE APPROVED CONSTRUCTION PLANS.
11. ALL DISTURBED SOIL WILL BE MADE STABLE AS WITHIN 21 DAYS OF DISTURBANCE.
12. TEMPORARY AND PERMANENT SEDIMENT BEST MANAGEMENT PRACTICES WILL REMAIN FUNCTIONAL AT ALL TIMES THROUGH THE ENTIRE PROJECT AND UNTIL ALL DISTURBED SOIL HAS BEEN STABILIZED TO PREVENT EROSION. WRITTEN APPROVAL MUST BE OBTAINED FROM THE CITY CERTIFYING ALL DISTURBED SOIL IS STABLE BEFORE ABANDONING SEDIMENTATION BEST MANAGEMENT PRACTICES.
13. IF THE EXISTING GRADES ARE DIFFERENT THAN WHAT IS SHOWN ON THE GRADING PLAN, STOP WORK AND NOTIFY THE CITY.
14. IF THE PROJECT REQUIRES EXPORT OR IMPORT MATERIAL TO ACHIEVE A BALANCED SITE. THE CONTRACTOR IS TO KEEP OFFSITE ROADS CLEAN AT ALL TIMES. FAILURE TO KEEP STREETS CLEAN WILL RESULT IN A MANDATORY WORK STOP ORDER BEING ISSUED ON THE IMPORT/ EXPORT OPERATION.
15. THE PROJECT CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PAVED STREETS ADJACENT TO OR ABUTTING THE GRADING PROJECT CLEAN AND FREE OF DIRT, MUD, AND DEBRIS AT ALL TIMES. WHEREAS THIS IS A PUBLIC HEALTH AND SAFETY ISSUE. FAILURE TO COMPLY WILL RESULT IN A MANDATORY WORK STOP ORDER BEING ISSUED OVER THE ENTIRE PROJECT, INCLUDING COMMERCIAL AND RESIDENTIAL CONSTRUCTION PROJECTS.
16. THE CONTRACTOR WILL PROVIDE ADDITIONAL TEMPORARY EROSION CONTROL PLANS, AND PERMITS AS REQUIRED BY THE CITY, THE COUNTY AND THE STATE OF UTAH AS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT.
17. FAILURE TO FOLLOW THE SEQUENCE OF CONSTRUCTION SHALL RESULT IN THE ISSUANCE OF A WORK STOP ORDER BEING ISSUED.
18. CONCRETE TRUCKS TO USE PRE-ASSIGNED WASH OUT AREA. CONCRETE TRUCKS ARE NOT TO BE CLEANED OUT OR WASHED DOWN IN THE PUBLIC RIGHT-OF-WAY.
19. PORTABLE TOILETS TO BE LOCATED ADJACENT TO CONTRACTOR TRAILER. TOILETS SHALL BE MAINTAINED BY CONTRACTOR.
20. CONSTRUCTION WASTE BIN TO BE LOCATED NEAR CONTRACTOR TRAILER. ALL CONSTRUCTION WASTE TO BE PLACED IN WASTE BIN.
21. ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES (BMPS) ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
22. CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES

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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER — No. 5251938-2202 — MARK A. COOK — STATE OF UTAH

ISSUED: 2026/05/26

AHJ

REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY- NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 W, Richfield, UT 84701

SHEET NAME:

EROSION CONTROL DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/13/26	TITLEBLOCK SIZE INCREASE & DFCM STAMP LOCATION

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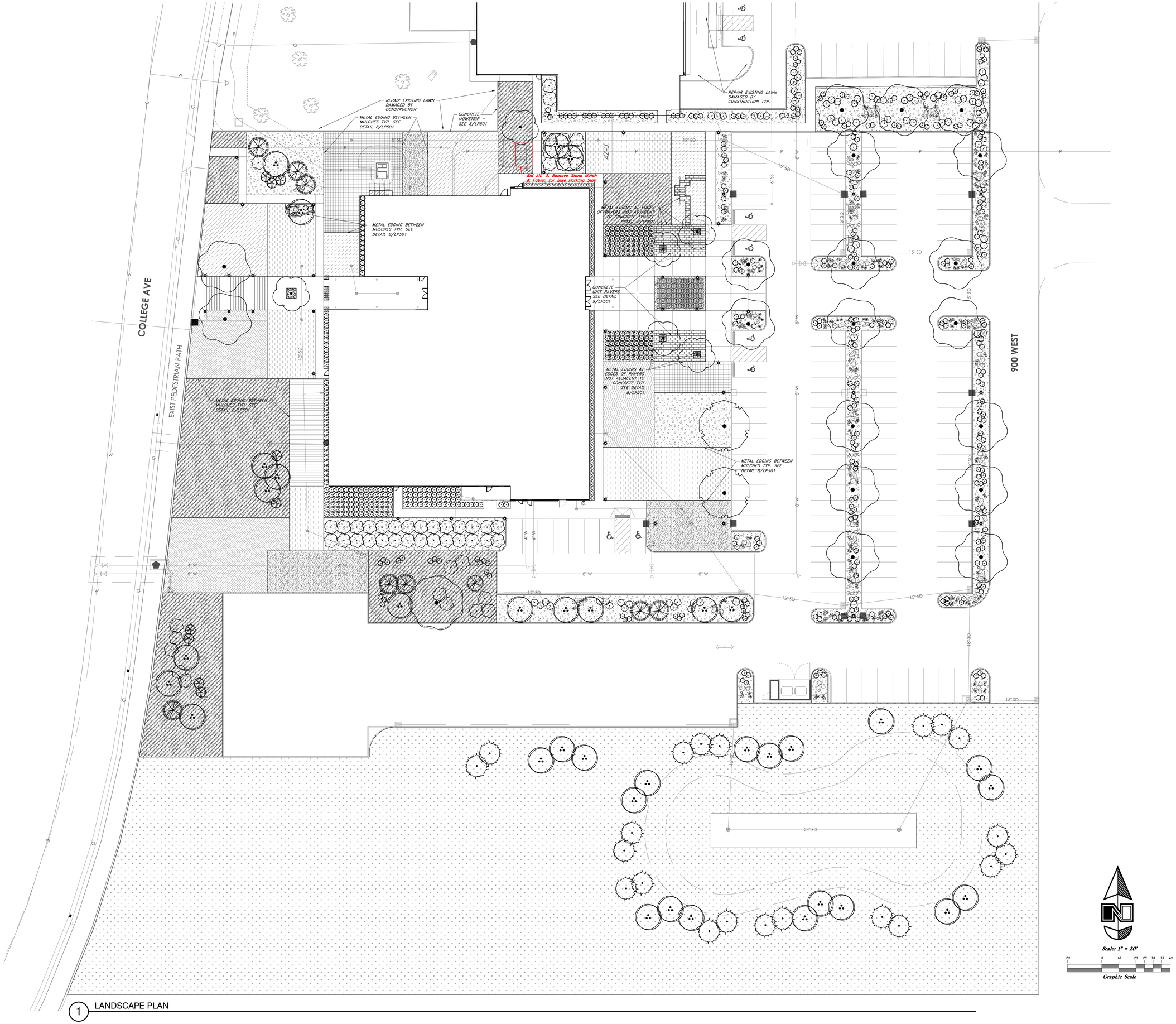
C510

Blue Stakes of Utah 811 — Know what's below. Call before you dig.



1 LANDSCAPE PLAN

ajc architects
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LICENSED LANDSCAPE ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:
LANDSCAPE PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	5/14/26	DFCM Rev. Stamp

Scale: 1" = 20'
20 0 10 20 25 30 35 40
Graphic Scale

ISSUE DATE: 05.26.2026
ISSUE TYPE: CONFORMED SET
DRAWN BY:
CHECKED BY:
PROJECT#:

SHEET NUMBER:
LP101

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PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES					
	35	*Acer tataricum 'Hot Wings' / Hot Wings Tatarian Maple*	25 gal	Clump	
	1	*Celtis occidentalis / Common Hackberry*	B&B	2"Cal	
	1	*Picea glauca / White Spruce*	B&B		5–6' HT
	8	*Picea omorika 'Wells Riverside' / Wells Riverside Spruce*	B&B		5–6'H
	21	*Pinus edulis / Pinon Pine*	B&B		5–6'H
	9	*Pinus nigra 'Arnold Sentinel' / Arnold Sentinel Austrian Pine*	B&B		4–5' HT
	6	*Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac*	25 gal	Clump	
	2	*Tilia tomentosa 'Sterling' / Sterling Silver Linden*	B&B	2"Cal	
	19	*Zelkova serrata 'Village Green' / Sawleaf Zelkova*	B&B	2"Cal	

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE
SHRUBS			
	16	*Euonymus fortunei 'Dandel' / Dan's Delight™ Wintercreeper*	5 gal
	103	*Hypericum calycinum / Creeping St. John's Wort*	5 gal
	24	*Juniperus horizontalis 'Bar Harbor' / Bar Harbor Creeping Juniper*	5 gal
	46	*Rhus aromatica 'Gro–Low' / Gro–Low Fragrant Sumac*	5 gal
	6	*Rhus trilobata / Skunkbush Sumac*	5 gal
	496	*Rosa x 'Groundcover Pink' / Pink Groundcover Rose*	5 gal
	52	*Symphoricarpos x chenaultii 'Hancock' / Hancock Coralberry*	5 gal
	28	*Yucca filamentosa 'Ivory Tower' / Ivory Tower Yucca*	5 gal
GRASSES			
	592	*Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama*	1 gal
	95	*Schizachyrium scoparium 'Carousel' / Carousel Little Bluestem*	1 gal

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	TYPE	SPACING
GROUND COVERS					
	22,861 sf	*DECORATIVE GRAVEL MULCH 1 – WHITE & ORANGE* *2" Gravel Mulch – Desert Pearl Crushed from One Source Materials, and White Place 4" Deep Min. Over Imported Topsoil and Dewitt Pro–5 weed barrier fabric.*	–	*STONE*	
	15,287 sf	*DECORATIVE GRAVEL MULCH 2 – ORANGE/TAN* *2" Gravel Mulch – Copper Canyon Crushed from One Source Materials, Place 4" Deep Min. Over Imported Topsoil and Dewitt Pro–5 weed barrier fabric.*	–	*STONE*	
	5,204 sf	*DECORATIVE GRAVEL MULCH 3 – GRAY/ORANGE* *4" Gravel Mulch – West Mountain Crushed from One Source Materials, Place 4" Deep Min. Over Imported Topsoil and Dewitt Pro–5 weed barrier fabric.*	–	*STONE*	
	1,500 sf	*Delosperma x 'Psdold' Red Mountain Flame / Red Ice Plant* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.
	6,509 sf	*Iberis sempervirens 'Mermaid Lavender' / Mermaid Lavender Candytuft* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.
	192 flats	*Iberis sempervirens 'Snow Cone Forte' / Snow Cone Forte Evergreen Candytuft* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.
	1,260 sf	*Marrubium rotundifolium / Silvery Horehound* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.
	82,390 sf	*Native Grass Seed Mix* *Spread 2" of Stockpiled Topsoil. Hydroseed area. Overseed with Shrub and Tree Mix as Indicated. Install VMax C350 Turf Reinforcement Mat on slopes steeper than 2H:1V.*	seed		
	62 flats	*Sedum reflexum 'Blue Spruce' / Blue Spruce–leaved Stonecrop* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.
	2,833 sf	*Sedum spurium 'Voodoo' / Voodoo Two Row Stonecrop* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.
	133 flats	*Thymus serpyllum 'Magic Carpet' / Magic Carpet Creeping Thyme* *Plant at Drip Line Emitters With 3" Deep Shredded Bark Mulch*	flat		18" o.c.

MATERIALS SCHEDULE

6" CONCRETE MOWSTRIP, SEE DETAIL 6/LP501

STEEL EDGING BETWEEN DIFFERENT GRAVEL AND MULCH AREAS. EDGING SHALL BE:
DURAEDGE: 5" TALL, 3/16" THICK STEEL WITH BLACK POWDER COAT FINISH

CONCRETE UNIT PAVERS
BELGARD METROPOLITAN DIMENSIONS 12
COLOR: VICTORIAN
3 PIECE SYSTEM:
6x12x3–1/8"
12x12x3–1/8"
12x18x3–1/8"
SET OVER CONCRETE PAVERS AND SAND PER DETAIL
FILL JOINTS WITH POLYMERIC SAND, COLOR: BLACK

LANDSCAPE BOULDERS FREE OF CRACKS– COLOR TO COMPLEMENT MULCH COLORS SUBMIT SAMPLES
25% 2'x2'x3'
25% 3'x3'x3'
25% 3'x3'x4'
25% 4'x4'x4'

PLANTING NOTES

1. *EXAMINE THE SITE CONDITIONS, THE SUBGRADE AND VERIFY THE DEPTHS OF TOPSOIL AND MULCH. NOTIFY THE ARCHITECT IN WRITING OF ANY UNSATISFACTORY CONDITIONS. DO NOT BEGIN LANDSCAPE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN RESOLVED.*
2. *ALL PLANTS SHOWN GRAPHICALLY ARE REQUIRED. ANY PLANT QUANTITIES ARE FOR CONVENIENCE ONLY, CONTRACTOR TO VERIFY PLAN QUANTITIES PRIOR TO BIDDING.*
3. *SPACING BETWEEN PLANTS AND BETWEEN PLANTS AND PAVING ARE BASED ON THE MATURE SPREAD OF THE PLANTS. PRIOR TO PLANTING, VERIFY ROOM TO ACCOMMODATE MATURE PLANT WITHOUT OVERCROWDING AND ENCROACHING ON PAVING.*
4. *VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THIS CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.*
5. *TOPSOIL IS TO BE IMPORTED TO THE SITE. SUBMIT TOPSOIL TEST. SCREEN AND AMEND TO MEET THE FOLLOWING STANDARDS:*
   - 5.1. *ORGANIC MATTER: GREATER THAN 1.0%*
   - 5.2. *SOLUBLE SALTS: LESS THAN 4 dS/m*
   - 5.3. *PH: BETWEEN 5.0 AND 8.2*
   - 5.4. *TEXTURE: SAND: 15–60%, SILT: 10–60% CLAY 5–30%.*
   - 5.5. *SODIUM ADSORPTION RATIO (SAR): BELOW 10 FOR SANDY CLAY LOAM, SANDY LOAM AND LOAM. BELOW 7 FOR SILT LOAM, SILTY CLAY LOAM, AND CLAY LOAM.*
   - 5.6. *COARSE FRAGMENTS 2mm AND SMALLER: LESS THAN 5%.*
   - 5.7. *NO ROCKS OVER 1.5"*
6. *CONTRACTOR IS RESPONSIBLE FOR PROVIDING 8 OF TOPSOIL FOR GROUND COVERS AND 12" OF TOPSOIL FOR SHRUBS AND TREES.*
7. *THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINISH GRADE ELEVATIONS. ALLOW FOR SPECIFIED TOPSOIL AND MULCH LAYER THICKNESS. COORDINATE ROUGH GRADING WITH THE GENERAL CONTRACTOR.*
8. *ALL PLANT MATERIAL MUST MEET THE SIZES AS INDICATED ON THE PLANT SCHEDULE. PLANT MATERIAL THAT DOES NOT MEET THE QUALITY STANDARDS OF THE PROJECT WILL BE REFUSED BY THE LANDSCAPE ARCHITECT.*

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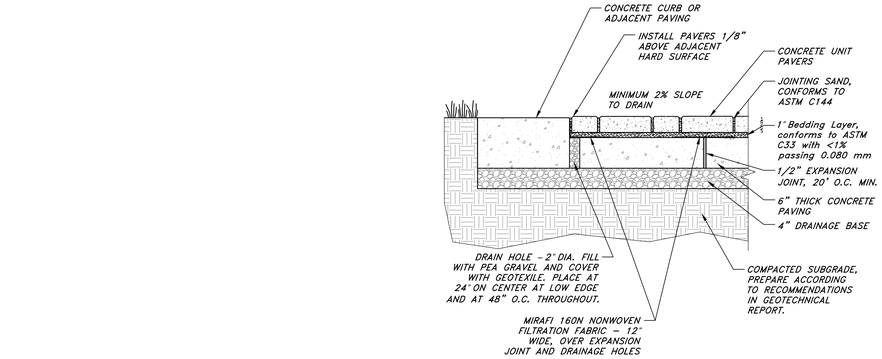
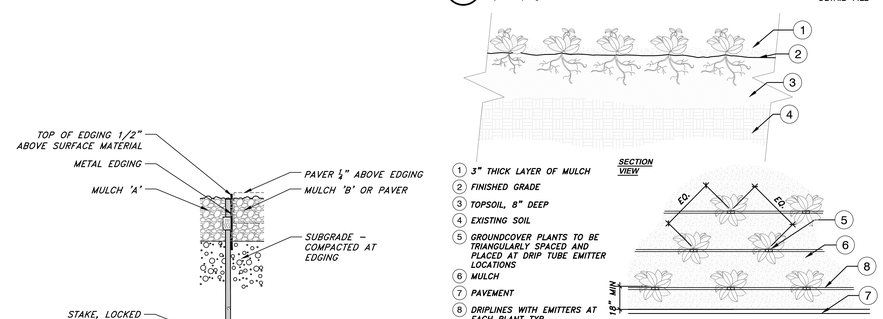


9 CONCRETE UNIT PAVERS OVER CONCRETE

1" = 1'–0" DETAIL–FILE



1. *3" THICK LAYER OF MULCH*
2. *FINISHED GRADE*
3. *TOPSOIL, 8" DEEP*
4. *EXISTING SOIL*
5. *GROUNDCOVER PLANTS TO BE TRIANGULARLY SPACED AND PLACED AT DRIP TUBE EMITTER LOCATIONS*
6. *MULCH*
7. *PAVEMENT*
8. *DRIPLINES WITH EMITTERS AT EACH PLANT TYP.*

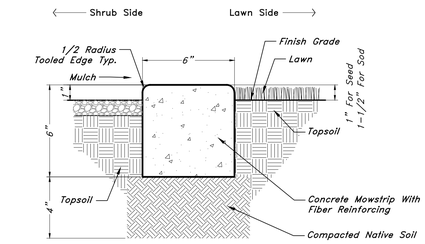
NOTES:
1– SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
2– SMALL ROOTS (1/4" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3– SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

8 METAL EDGING

3" = 1'–0" DETAIL–FILE

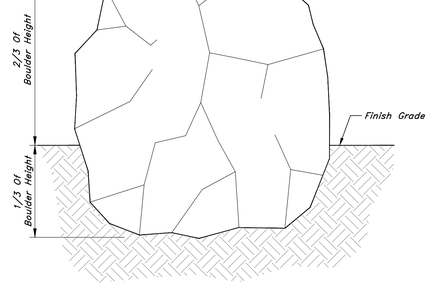
7 GROUNDCOVER

3/4" = 1'–0" FX–PLNT–FX–GROU–01



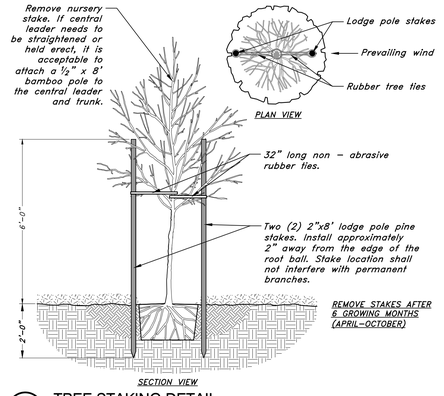
6 6" MOWSTRIP

3" = 1'–0" 329413.19–07



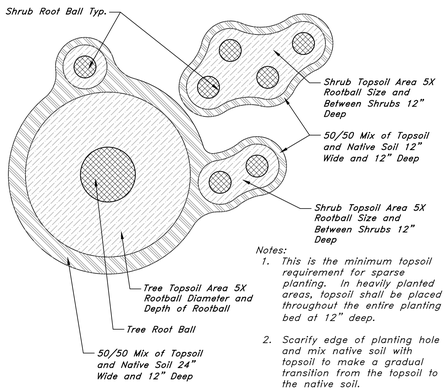
5 LANDSCAPE BOULDER

NTS DETAIL–FILE



4 TREE STAKING DETAIL

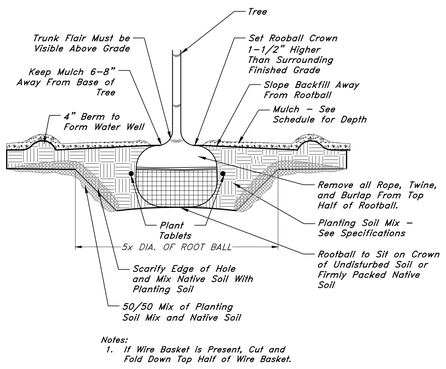
NTS



Notes:
1. *This is the minimum topsoil requirement for sparse planting. In heavily planted areas, topsoil shall be placed throughout the entire planting bed at 12" deep.*
2. *Scarify edge of planting hole and mix native soil with topsoil to make a gradual transition from the topsoil to the native soil.*

3 TOPSOIL PLACEMENT AT SHRUBS AND TREES

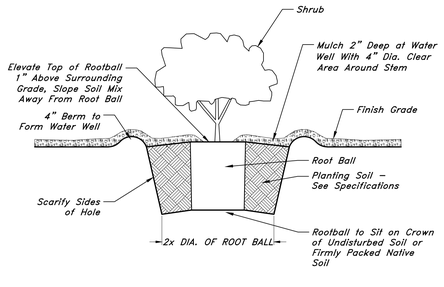
NTS 32 9406–01



Notes:
1. *If Wire Basket is Present, Cut and Fold Down Top Half of Wire Basket.*

2 TREE PLANTING

NTS 32 9343.01–01



1 SHRUB PLANTING

NTS 32 9333.01–01

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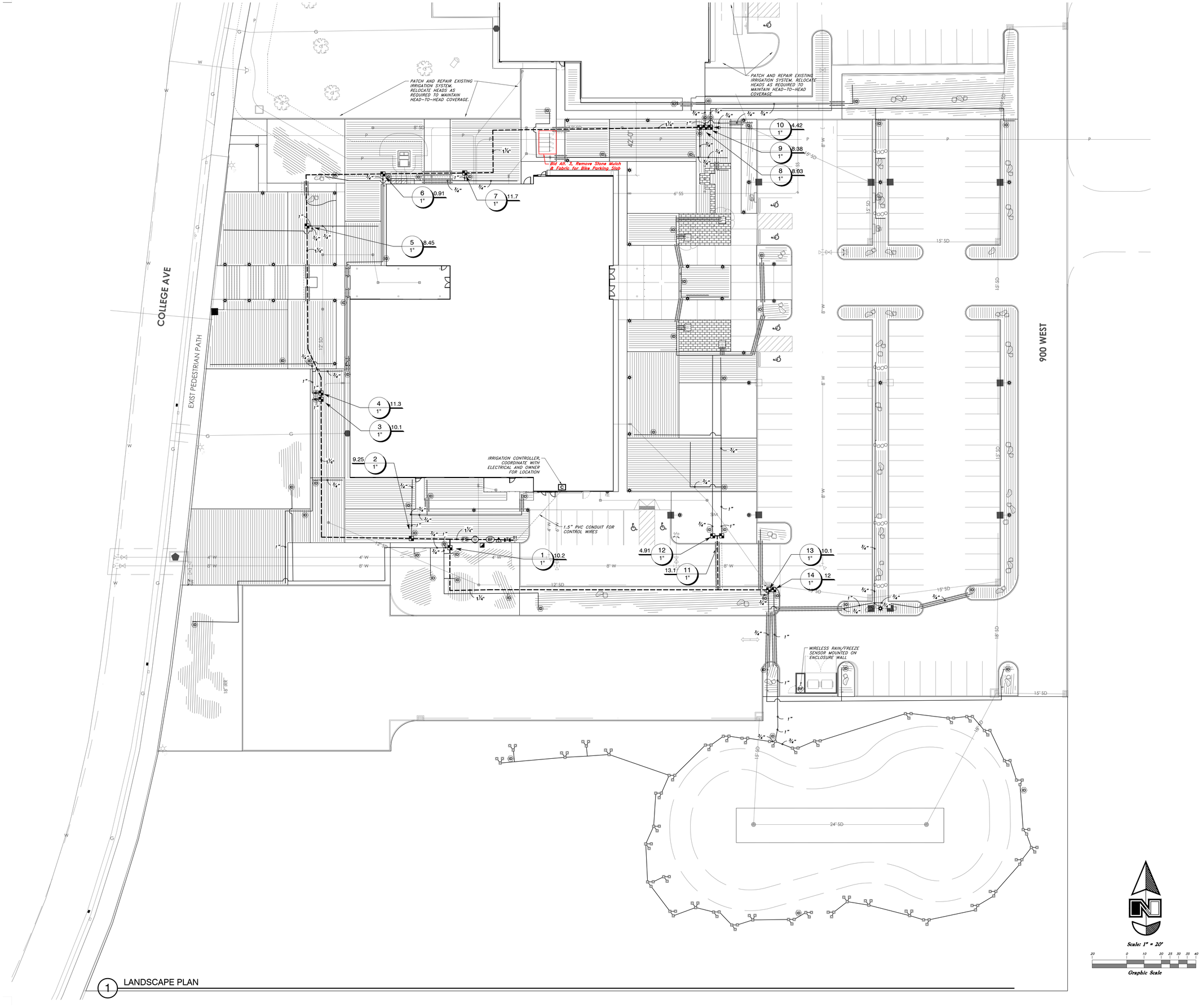

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IRRIGATION PLAN

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IRRIGATION NOTES

1. INSTALL IRRIGATION WIRE UNDER PAVED AREAS IN SEPARATE PVC SLEEVE, SIZE FOR NUMBER OF WIRES.
2. EXAMINE THE SITE CONDITIONS, THE SUBGRADE AND VERIFY ELEVATIONS. NOTIFY THE ARCHITECT IN WRITING OF ANY UNSATISFACTORY CONDITIONS. DO NOT BEGIN LANDSCAPE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN RESOLVED.
3. BEFORE ANY TRENCHING, EXCAVATION, OR DIGGING, THE CONTRACTOR SHALL HAVE THE AREA 'BLUE STAKED' AND CONTACT THE APPROPRIATE UTILITY COMPANIES. CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE
4. VERIFY LOCATIONS OF ALL UTILITIES AND SITE FEATURES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES AND SITE FEATURES CAUSED BY THIS CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THIS DRAWING IS DIAGRAMMATIC AND IS INTENDED TO CONVEY THE GENERAL LAYOUT OF IRRIGATION SYSTEM COMPONENTS. FIELD ADJUSTMENTS MAY BE NECESSARY TO MAINTAIN FULL COVERAGE IN ACTUAL SITE CONDITIONS. CONTACT THE LANDSCAPE ARCHITECT IF SIGNIFICANT CHANGES ARE NECESSARY. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR REVISIONS TO THE IRRIGATION SYSTEM IF THE IRRIGATION SYSTEM IS INSTALLED WHEN SITE CONDITIONS DIFFER FROM PLAN LAYOUT AND THE LANDSCAPE ARCHITECT WAS NOT INFORMED.
6. LATERAL AND MAIN LINES SHALL BE LAIN IN COMMON TRENCHES IN LANDSCAPE AREAS WHEREVER POSSIBLE.
7. ALL PIPING AND WIRING UNDER PAVEMENT SHALL BE RUN THROUGH SEPARATE SLEEVES. CONTROL WIRES NOT LAIN IN A COMMON TRENCH WITH A MAIN LINE SHALL BE INSTALLED IN A CONDUIT OF SUFFICIENT SIZE.
8. ALL IRRIGATION EQUIPMENT NOT DETAILED SHALL BE INSTALLED AS PER MANUFACTURER RECOMMENDATIONS, SPECIFICATIONS, AND DETAILS.
9. THIS SYSTEM IS DESIGNED TO OPERATE AT 40 PSI FOR DRIPLINES.
10. THE IRRIGATION WATER SOURCE IS CULINARY. PRESSURE AT THE POINT OF CONNECTION IS EXPECTED TO BE 60 PSI. IF ACTUAL PRESSURE VARIES FROM THE EXPECTED, CONTACT LANDSCAPE ARCHITECT.
11. SUPPLY PRODUCTS AS SPECIFIED. NO SUBSTITUTIONS WILL BE ALLOWED UNLESS PRE-APPROVED IN WRITING BY THE OWNER OR LANDSCAPE ARCHITECT.
12. CONTRACTOR TO SUPPLY ALL KEYS AND ATTIC STOCK PER THE SPECIFICATIONS.
13. CONTRACTOR TO SHUT DOWN AND WINTERIZE THE IRRIGATION SYSTEM AT THE END OF THE FIRST SEASON AND TURN ON THE SYSTEM AT THE BEGINNING OF THE FOLLOWING SEASON. THIS WORK IS TO BE DONE IN THE PRESENCE OF THE OWNERS' MAINTENANCE PERSONNEL
14. DRIPLINES ARE TO BE PLACED UNDER FABRIC. IN GROUNDCOVER AREAS WITHOUT FABRIC, PLACE UNDER MULCH WITH CROSSING STAPLES EVERY 3' O.C.
15. DRIPLINES ARE TO BE 18" APART WITH EMITTERS SPACED EVERY 18" WITH EMITTERS OFFSET BY 9" ON EACH ROW CREATING A TRIANGULAR PATTERN. A GROUNDCOVER PLANT IS TO BE PLANTED AT EACH EMITTER.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird XCZ-100-LC Wide Flow Drip Control Kit, for Light Commercial Uses. 1in. PEB Valve, with 1in. Pressure Regulating 40psi Basket Filter. 0.3-20 GPM.
X	Hunter ECO-ID-12 ECO-ID: 1/2in. FPT connection with 15 psi - 100 psi operating pressure. Specify with Hunter SJ swing joint.
△ ⊠ △ 5.0 7.0 10.0	Rain Bird PCT Pressure Compensating Threaded Low-Flow Bubblers. Offered in 5 GPH, 7 GPH, and 10 GPH models, with 1/2in. FPT threaded inlet. Light Brown = 5 GPH, Violet = 7 GPH, and Green = 10 GPH.
	Area to Receive Dripline Netafim TLCV-04-18 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 17mm.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 44-LRC 1in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body.
	Stop and Waste Valve A.Y. McDonald 1" FNPT x FNPT Stop and Waste Valve
X	Rain Bird EFB-CP 1in. Brass Master Valve, that is Contamination Proof w/Self-Flushing Filter Screen. Globe Configuration.
	Wilkins by Zurn Elkay Water Solutions 500XL 1" Lead-Free Water Pressure Reducing Valve. Verify Water Pressure - Omit if pressure is under 60 psi.
X	Febco 825YA and Strongbox SBBC-30AL 1" Reduced Pressure Backflow Preventer and enclosure
X	Rain Bird ESPLXME2 w/ (1) ESPLXMSM12 24 Station, Traditionally-Wired, Commercial Controller. (1) ESPLXME2 12-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Module.
X	Rain Bird IQ-NCC-EN IQ NCC Ethernet Cartridge upgrades ESP-LX Series controllers to IQ satellite controllers for central control connectivity. Includes embedded Ethernet Network Modem with RJ-45 Port, and Patch Cable. Requires LAN network static IP address. Add WIFI Modem for wireless connectivity. Used for Direct or Server Satellite applications.
X	Rain Bird WR2-RFC Wireless Rain and Freeze Sensor Combo, includes 1 receiver and 1 rain/freeze sensor transmitter.
X	Hunter HC-100-FLOW 1in. Flow meter for use with Hydrawise enabled controller to monitor flow and provide system alerts. Also functions as stand alone flow totalizer/sub meter on any residential or commercial irrigation system.
X POC	Point of Connection 1 1/4"

Irrigation Lateral Line: PVC Schedule 40

Irrigation Lateral Line: PVC Class 200

Irrigation Mainline: PVC Schedule 40

Pipe Sleeve: PVC Class 200 SDR 21
Sleeves to be Twice the Size of Through Pipes. At Mainlines, Run Separate Sleeve for Control Wires.

Valve Callout
- Valve Number
- Valve Flow
- Valve Size

1" PVC Sch 40 Control Wire Conduit

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AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

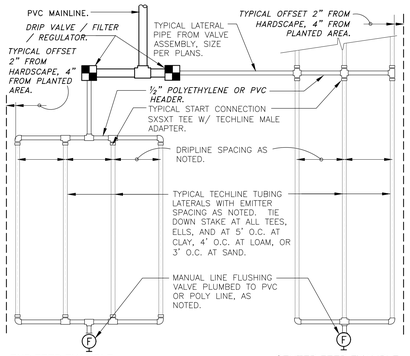
SHEET NAME:
IRRIGATION DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	5/14/26	DFCM Rev. Stamp

ISSUE DATE: 05.26.2026
ISSUE TYPE: CONFORMED SET
DRAWN BY:
CHECKED BY:
PROJECT#:

SHEET NUMBER:
LI501



END FEED EXAMPLE

CENTER FEED EXAMPLE

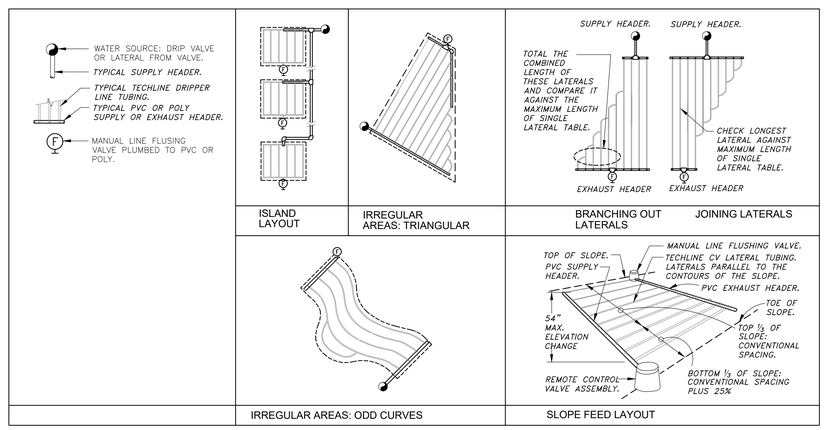
TECHLINE CV MAXIMUM LENGTH OF SINGLE LATERAL (FEET)

DRIPPER SPACING		12"				18"				24"	
DRIPPER FLOW RATE (GPH)		0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9
INLET PRESSURE (PSI)	15	127	109	86	65	177	151	120	91	152	116
	25	427	325	256	194	604	459	361	274	458	348
	35	539	409	322	244	763	579	456	346	580	440
	45	618	469	369	280	877	664	523	397	666	506

TECHLINE CV FLOW PER 100 FEET

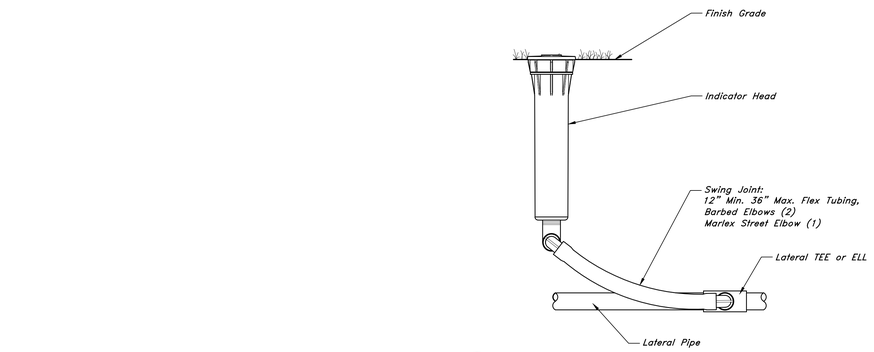
DRIPPER SPACING	0.26 GPH DRIPPER		0.4 GPH DRIPPER		0.6 GPH DRIPPER		0.9 GPH DRIPPER	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	26.40	0.44	40.00	0.67	61.00	1.02	92.00	1.53
18"	17.58	0.29	26.67	0.44	41.00	0.68	61.00	1.02
24"	N/A	N/A	N/A	N/A	31.00	0.51	46.00	0.77

NOTE:
INSTALL DRIPLINES UNDER FABRIC TYP.



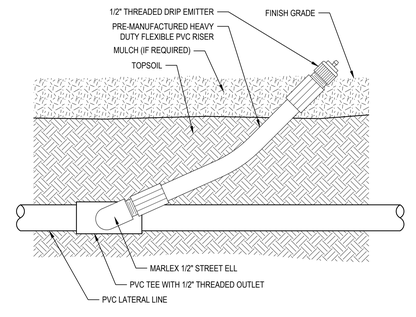
14 TYPICAL NETAFIM TECHLINE CV REQUIREMENTS

3" = 1'-0" FX-IR-NETA-DRIP-14



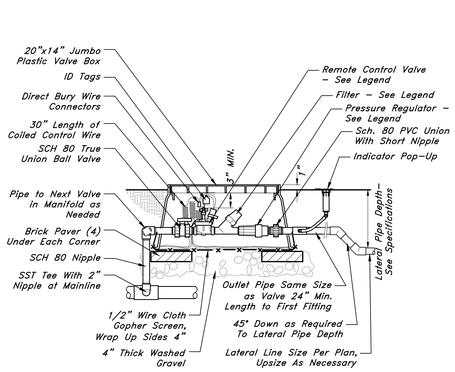
16 POP-UP INDICATOR HEAD

NTS 328403.01-02



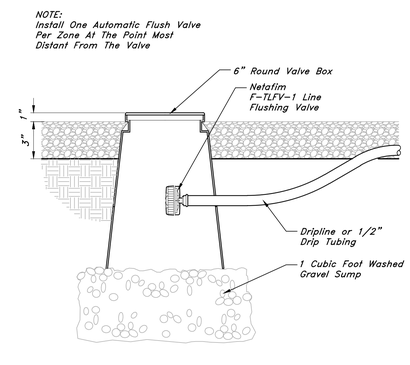
15 1/2" THREADED EMITTER ON FLEXIBLE RISER

NTS DETAIL-FILE



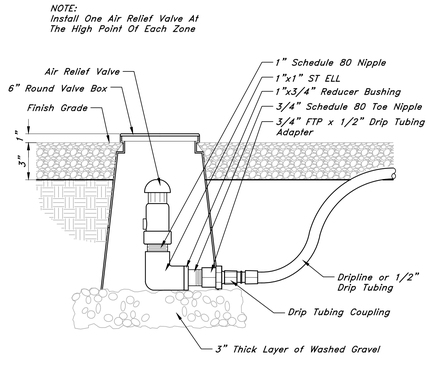
13 DRIP VALVE - CONTROL ZONE KIT

1" = 1'-0" 328406.13-09



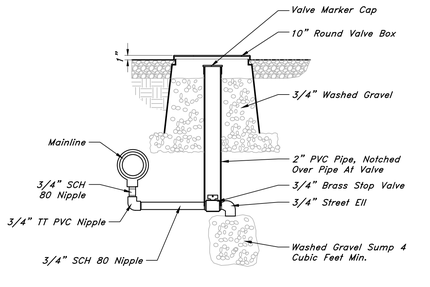
12 FLUSH VALVE IN BOX

3" = 1'-0" 328413.49-02



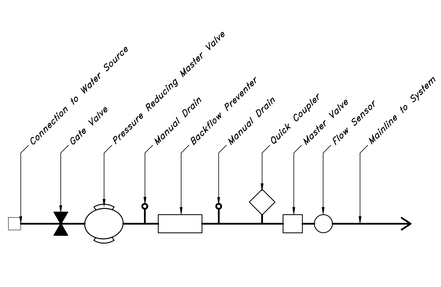
11 AIR RELIEF VALVE IN BOX

3" = 1'-0" 328413.53-09



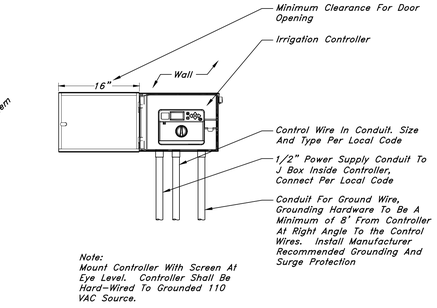
10 MANUAL DRAIN

1 1/2" = 1'-0" 328409.86-01



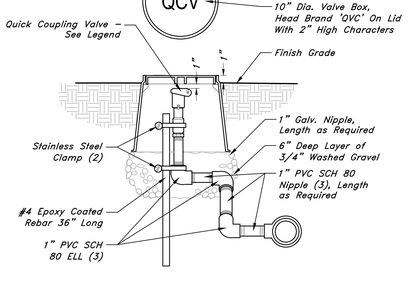
9 POC Schematic

NTS DETAIL-FILE



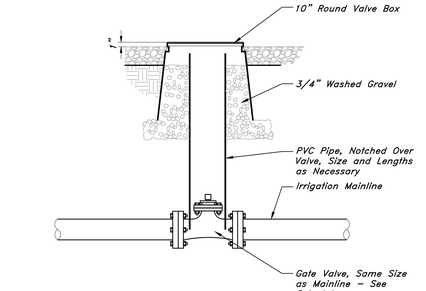
8 IRRIGA R - WALL MOUNT

NTS 328409.01-01



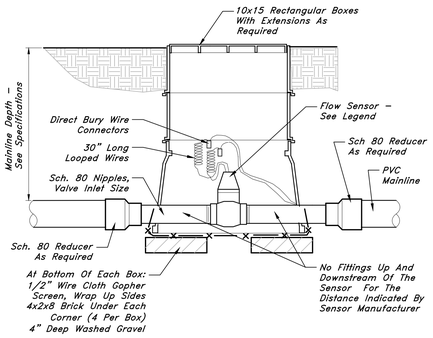
7 QUICK COUPLER

1 1/2" = 1'-0" 328406.43-06



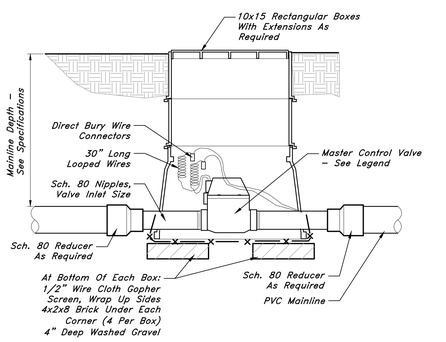
6 GATE VALVE

1 1/2" = 1'-0" 328406.33-06



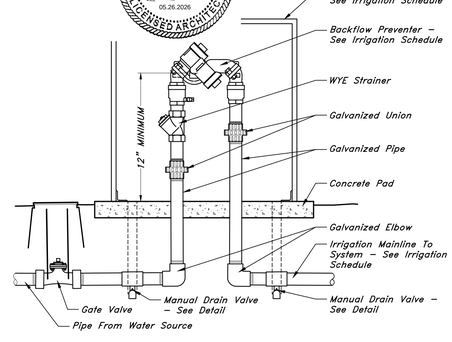
5 FLOW SENSOR

1 1/2" = 1'-0" 328409.63-02



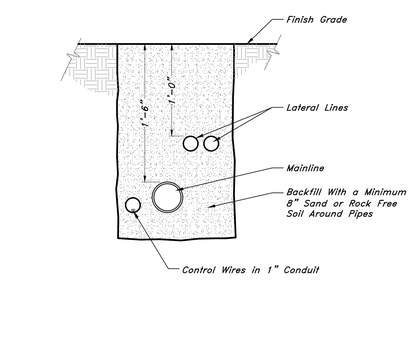
4 MASTER VALVE

1 1/2" = 1'-0" 328406.23-62



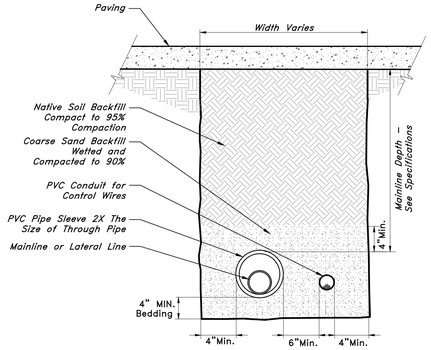
3 BACKFLOW PREVENTER

1" = 1'-0" 328409.46-07



2 TRENCHING

1 1/2" = 1'-0" 328401-02



1 SLEEVING

1 1/2" = 1'-0" 328401-01

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:
IRRIGATION DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	5/14/26	DFCM Rev. Stamp

ISSUE DATE: 05.26.2026
ISSUE TYPE: CONFORMED SET
DRAWN BY:
CHECKED BY:
PROJECT#:

SHEET NUMBER:
LI502

1. Design Criteria

1.1. Governing Building Code — 2021 International Building Code (IBC)
A. Risk Category — II

1.2. Roof Loading
A. Roof Live Load — 20 psf
B. Roof Snow Load — 20 psf + Drift per IBC
1. Ground Snow Load, P_g — 28 psf
2. Snow Exposure Factor, C_e — 1.0
3. Importance Factor, I_s — 1.0
4. Thermal Factor, C_t — 1.0 Roof
5. Slope Factor, C_s — 1.0
C. Roof Rain Load Intensity:
1. 15-min duration/100-year return period, i_{15} — 3.6 inches per hour
2. 60-min duration/100-year return period, i_{60} — 1.5 inches per hour

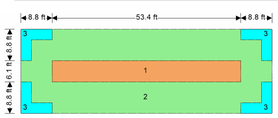
1.3. Earthquake
A. Seismic Design Category — D
B. Spectral Response Accelerations:
S_S = 0.835 g S_{DS} = 0.705 g
S_1 = 0.247 g S_{D1} = 0.342 g
C. Site Class — D (Calculated)
D. Basic Seismic-Force-Resisting System
1. Main Building
Buckling Restrained Braced
R = 8.0 Ω_0 = 2.5 C_d = 5.0
2. West Canopy
Steel Special Cantilever Column
R = 2.5 Ω_0 = 1.25 C_d = 2.5
E. Importance Factor, I_e — 1.0
F. Redundancy Factor, ρ — 1.3 (Main Building); 1.0 (West Canopy)
G. Analysis Procedure — Equivalent Lateral Force (Static)
H. Seismic Design Coefficient, C_s — 0.088 (Main Building); 0.282 (West Canopy)
I. Design Base Shear — 50.4 kips (Main Building); 6.8 kips (West Canopy)

J. Building Seismic Movement:

Level	Total Displacement		Story Drift	
	Elastic — δ_e	Inelastic - δ	Elastic - Δ_e	Inelastic - Δ
Roof	0.42"	2.1"	0.42"	2.1"
Base	-	-	-	-

1.4. Wind
A. Basic Design Wind Speed, V — 102 mph
B. Velocity pressure exponent coefficient, K_d — 0.85
C. Ground elevation factor, K_e — 0.82
D. Exposure category — C
E. Internal Pressure Coefficient, GC_{pi} — 0.18
F. Topographic Factor, K_{zt} — 1.0
G. Components and Cladding Design Pressure:

Design Wind Pressure - LRFD (psf)					
Location		Tributary Area (ft²)			
		< 10	50	100	> 500
Walls	Within 3.0 ft of building corner	20.6	18.5	17.6	15.5
	All other areas	20.6	18.5	17.6	15.5
Parapet	Within 3.0 ft of building corner	28.5	26.3	25.4	23.2
	All other areas	28.5	26.3	25.4	23.2
Location		Tributary Area (ft²)			
		< 10	100	200	> 500
Roof	Within 8.8 ft of building corner	35.9	28.0	25.7	22.5
	Within 8.8 ft of building edge	47.3	37.2	34.2	30.2
	Within 8.8 ft to 14.9 ft of building edge	64.5	44.3	38.2	30.2
	All other areas	16.0	16.0	16.0	16.0



Plan on roof

1.5. Foundations
A. The soils report and log of borings was obtained by the Owner for the Engineer's use in the design of the foundation and is not a part of the Contract Documents. This report and log of borings is available for the Contractor's information but is not a warranty of the subsurface conditions. The Contractor may use the report at their own risk.
B. Soils Report by CMT Technical Services, dated August 5, 2025.
C. Soil Bearing Pressure: 2000 psf on a minimum of 2 feet of compacted fill down to suitable, undisturbed, natural soils
D. Increase for seismic or wind loading: 33.33%
E. Frost Depth: 30 inches below grade
F. Lateral Soil Pressure Fluid Equivalent Density:

Active (increase for seismic)	At-Rest (increase for seismic)	Passive (decrease for seismic)
35 pcf (27 pcf)	55 pcf (0 pcf)	425 pcf (185 pcf)

G. Coefficient of Friction — 0.40

1.6. Classification for Fire Rated Construction
A. For the purpose of determining fire-resistive assemblies, the following framing systems shall be considered unrestrained:
1. Single span and simply supported end spans of multiple bays that are supported by bearing walls:
a. Steel beams supporting concrete slabs or metal decking.
b. Concrete slabs or metal decking
2. Interior spans of multiple bays supported by bearing walls:
a. Steel beams supporting metal decking
B. All other steel floor and roof framing members shall be considered restrained.
C. Diagonal members in vertical braced frames shall be considered as secondary members for fireproofing protection.

2. Earthwork

2.1. Soil conditions shall be verified by the Geotechnical Engineer prior to placement of structural fill, floor slabs, and foundations. If soil conditions exist that are different than the soils report, the Structural Engineer shall be notified to re-evaluate the foundation design at additional expense to the owner.

2.2. Clearing: Prior to placing fill or base course, non-engineered fill, topsoil, organics, debris, and other deleterious material shall be removed at least 3 feet beyond the perimeter of the proposed building and flatwork. As a minimum the entire building area shall be scraped to remove the top 4 inches of soil.

2.3. Proof Rolling: The natural undisturbed soil below all footings shall be proof rolled prior to placing concrete. Remove all soft spots and completely replace them per recommendations of Geotechnical Engineer.

2.4. Remove all unsuitable material from below footings and replace it with compacted structural fill down to suitable natural soils meeting the minimum thickness requirement as defined in the Foundations section of the General Structural Notes. Under no circumstances shall the footings be placed on unsuitable non-engineered fill, loose or disturbed soils, debris, frozen soils, or ponded water. The width of structural compacted fill shall be equal to the width of the footing plus one foot for each foot of fill thickness.

2.5. Compacted Structural Fill: Structural fill shall be provided at all locations and extents described by the TYPICAL COMPACTED STRUCTURAL FILL DETAIL. All structural fill material shall be a well-graded sand/gravel material with a maximum size less than 4 inches, a minimum 70% passing the ¾-inch sieve, approximately 30% to 60% passing the No. 4 sieve, a minimum 15% passing and a maximum 35% passing the No. 200 sieve, a maximum Liquid Limit of 30, and a maximum Plasticity Index of 10. All fill shall be compacted to the percent in the table below of the maximum laboratory density as determined by ASTM D1557. The fill shall be compacted flat without ruts or dips below all floor slabs. All fill shall be tested (See Specifications and the Quality Assurance section of the GSN).

Fill to Support	Compaction
Beneath an area extending at least 4 feet beyond the perimeter of the structures, and below flatwork and pavement extending at least 2 feet beyond the perimeter	≥ 95% (0 to 5 ft fill thickness) ≥ 98% (5 to 8 ft fill thickness)
Concrete Flatwork & Floor Slabs	≥ 96%
Site Grading	≥ 95%
Utility Trenches within Structural Areas	≥ 96%
Retaining Wall Backfill	≥ 95%

2.6. Underslab Drainage Base Course (Granular Fill): The base material should be a compactible, easy to trim, granular fill that will remain stable and support construction traffic. Compact the base course such that no ruts deeper than ½ inch are left by construction traffic. The base course shall be placed in lifts of up to 6 inches and be graded to a tolerance that results in the minimum slab thickness required.

1. Depth of Drainage Base Course: 4 inches unless noted otherwise
2. The base course shall be one of the following materials at the contractor's option:
a. Densley Graded: Crusher run or road base material with 100% passing the 1 ½ inch sieve, 15% to 55% passing the No. 4 sieve, and less than 12% passing the No. 200 sieve. Material passing the No. 200 sieve shall be clean, granular fill with less than 3% clay or friable particles.
b. Open Graded: Crushed rock with 100% passing the 1 inch sieve and 100% retained on the No. 4 sieve. This material is not as stable as densely graded material and rutting due to construction traffic is more common. To allow compaction and prevent ruts, the surface may need to be filled in or choked off with sand or fine gravels and compacted to provide a smooth, planar surface

2.7. Concrete slabs on grade shall be placed on a minimum of 18 inches of compacted structural fill extending to undisturbed natural soils.

2.8. It shall be the responsibility of the Contractor to brace and shore excavations as required.

3. Concrete

3.1. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-19, "Building Code Requirements for Structural Concrete."
A. Concrete mix design requirements shall be as follows:

Location	f'c at 28 days (psi)	Max W/C Ratio	Air Content (%)	Max Aggregate Size	Exposure Classes*			
					F	S	C	W
Footings	3000	0.50	-	1"	F0	S0	C0	W1
Interior Slabs on Grade	3000	-	-	1"	F0	S0	C0	W0
Exterior Walls	4500	0.45	6	¾"	F2	S0	C1	W1
Walls	4000	-	-	¾"	F0	S0	C0	W0
Exterior Columns	4500	0.45	6	¾"	F2	S0	C1	W1
Columns	4000	-	-	¾"	F0	S0	C0	W0
Concrete over Steel Deck	3000	-	-	¾"	F0	S0	C0	W0
All other site cast concrete	4500	0.45	6	1"	F2	S0	C1	W1

* Exposure Classes are per ACI 318, Section 19.3.1.1, where F, S, C and W are exposure categories for freezing and thawing, sulfate, and corrosion protection of reinforcement, and contact with water, respectively.

B. Cementitious Materials:
1. Blended Hydraulic Cements (ASTM C595):
a. Type IL, or approved equivalent, for exposure class S0.
2. Portland Cement (ASTM C150)
a. Type I or II for exposure class S0.
3. Fly Ash (ASTM C618, Class C, F, or N): maximum fly ash content as a percentage of total weight of cementitious materials shall be 25 percent.
C. Aggregates:
1. For concrete with exposure class W1 or W2, evidence shall be submitted that aggregates comply with the following:
a. Aggregates are not alkali-silica reactive or measures to mitigate alkali-silica reactivity have been established.
b. Aggregates are not alkali-carbonate reactive.
D. Concrete Density (Maximum Air-Dry Weight):
1. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate shall be ASTM C33.
2. Lightweight concrete shall not exceed 110 pounds per cubic foot and shall be made of lightweight coarse aggregates and either lightweight and/or normal weight fines meeting ASTM C330.
E. Steel Reinforcement:
1. ASTM A615 Grade 60, fy = 60,000 psi min. unless noted otherwise.
F. Fiber Reinforcement:
1. Synthetic Micro-Fiber: Fibrillated polypropylene micro-fibers engineered and designed for use in concrete, complying with ASTM C 1116, 1/2 to 1.12 inches long. Add to concrete at a dosage rate of 1 ½ lb/cu yd where indicated.
2. Macrosynthetic Fibers: Monofilament, non-fibrillating fibers made of a polypropylene/polyethylene blend. Macro fibers shall comply with ASTM C 1116, Type III, and meet the criteria of ASTM D 7508.
a. Where noted in the Steel Deck Schedule, macrosynthetic fibers shall be added to concrete over steel deck at a dosage rate determined by the fiber manufacturer but not less than 4 lb/cu yd.
b. Do not burn off exposed fibers.
G. Admixtures:
1. Air-entraining admixtures, comply with ASTM C 260 (when used).
a. Tolerance on air content as delivered shall be +/- 1.5%.
b. When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.
2. The use of super plasticizers and water reducers is allowed, but not required.
3. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.
H. Chloride Ion: Maximum water-soluble chloride ion concentrations in hardened concrete at age between 28 and 42 days contributed from the ingredients including water, aggregates, cementitious materials, and admixtures shall not exceed a maximum, by weight of cementious materials, of 1.00% for concrete with exposure class C0.
I. Shrinkage Limit: Interior slabs on grade shall have a drying shrinkage limit of 0.040% tested in accordance with ASTM C157. Drying shrinkage test results shall be submitted with mix designs.
J. Only one grade or type of concrete shall be poured on the site at any given time.

3.2. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The Contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.

3.3. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Structural Concrete".

A. Cast-in-place Concrete:	Specified Cover
1. Cast against and permanently exposed to earth	3"
2. Formed concrete exposed to earth or weather	
#6 thru #18 bars	2"
#5 and smaller bars	1 1/2"
3. Concrete not exposed to weather or in contact with ground	
Slabs, Walls, Joists; #11 bars and smaller	3/4"
Beams, Columns: primary reinforcement, ties, stirrups, spirals	1 1/2"

3.4. Minimum Spacing of Reinforcement
A. For parallel reinforcing bars in a horizontal layer, clear spacing between bars shall be at least the greatest of 1 inch, nominal diameter of the bars considered, and 4/3 times the nominal maximum size of coarse aggregate in the concrete.
B. For longitudinal bars in columns, pedestals, struts and boundary elements in walls, clear spacing shall be at least the greatest of 1 ½ inches, 1.5 times the diameter of the bars considered and 4/3 times the nominal maximum size of coarse aggregate in the concrete.
C. If scheduled reinforcing cannot meet these provisions, notify the Engineer of Record.

3.5. Construction Joints and Control Joints
A. Provide a surface intentionally roughened to ¼ inch amplitude in all wall footings. A continuous keyway shall not be used for concrete shear wall to footing connections, unless specifically indicated. Refer to project plans, schedules and details for the shear wall to footing connection requirements.
B. All horizontal and vertical construction joints shall have a surface intentionally roughened to ¼ inch amplitude. A continuous 2x4 keyway may be used on elements other than shear walls.
C. Provide reinforcement dowels to match the member reinforcement across the joint, unless noted otherwise. For dowels across construction joints and wall to footing connections of concrete shear walls, refer to specific project plans, schedules, and details.
D. Construction joints in suspended concrete pours shall be made at the center of spans.
E. Slabs on grade shall have construction or control joints spaced not to exceed 30 times the slab thickness in any direction.
F. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. See typical details for joint configuration.
G. Control joints in visually exposed walls, unless noted otherwise (Joints shall line up with masonry and architectural joints, see drawings):
1. Vertical control joints at 10'-0" on center.
2. Reinforcing shall be continuous through control and construction joints, unless noted otherwise.
3. Control joints in concrete foundation walls shall line up with masonry control joints.
H. Control joints shall be installed in concrete slabs over steel deck by saw-cutting along girders and purlins at interior grid lines. See typical details for joint size and reinforcement. Reinforcement required shall be in addition to any slab reinforcement.
I. All sawcut control joints shall be completed within 12 hours of concrete placement.

3.6. Detailing: All reinforcing, including welded wire fabric, shall be detailed, bolstered & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
A. All reinforcing shall be developed in compliance with the CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE SCHEDULE. As indicated in the drawings or upon approval of the Engineer of Record, standard tension hooks or headed bars described by the TENSION HOOK DEVELOPMENT SCHEDULE or the TENSION HEADED BAR DEVELOPMENT SCHEDULE may be used in lieu of straight bars.
B. All mechanical splices shall have the capacity to develop at least 1.25fy of the bar in tension or compression. Type 2 couplers have the capacity to develop the full tension capacity of the bar. Type 1 couplers shall not be used in moment frames and shear wall jamb columns. Mechanical splices shall have a current ICC or IAPMO code evaluation report; "Lenton" (IAPMO No. 0129), "Taper-Lock" (IAPMO No. 0319) or "SAS Stressteel" (ICC ESR-1163), "Bar-Lock" (ICC ESR-2495) or approved equivalent may be used. Mechanical couplers on adjacent bars shall be staggered a minimum of 24 inches apart along the longitudinal axis of the reinforcing bars.
C. All embedded elements and dowels shall be secured tied to formwork or to adjacent reinforcing prior to the placement of concrete.
D. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars prior to placing concrete.
E. See typical details for reinforcing at wall intersections and ends, reinforcing around wall openings and suspended slab openings, vertical wall dowels, concrete column ties and splices in vertical column reinforcing.
F. See typical details for column corner ties. The Engineer of Record shall approve of how successive cross ties engage the same longitudinal bars shall be alternated end for end.
G. Where required, reinforcement is to be terminated in a standard hook or headed bar anchor. Refer to the TENSION HOOK DEVELOPMENT SCHEDULE, the TENSION HEADED BAR DEVELOPMENT SCHEDULE and the REINFORCEMENT END HOOK SCHEDULE as appropriate. Unless otherwise noted, a standard hook or headed bar are equivalent and may be substituted at the Contractor's option.
H. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
I. All reinforcement shall be bent cold and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the Engineer of Record.

3.7. Minimum Reinforcing: Wall reinforcing shall be as follows, unless noted otherwise:

Wall Thickness	Horizontal Reinforcing	Vertical Reinforcing
6"	#4 @ 13" o.c.	#4 @ 18" o.c.
8"	#5 @ 15" o.c.	#4 @ 16" o.c.
10"	#5 @ 12" o.c.	#4 @ 13" o.c.
12"	#4 @ 13" o.c. Each Face	#4 @ 18" o.c. Each Face
Others	0.25% of Wall Area	0.15% of Wall Area

Spacing shall exceed neither 3 times the wall thickness nor 18 inches. In addition to the above reinforcing, 2 - #5 x continuous horizontal bars shall be placed at the bottom of the wall (near the footing) and at each floor level, at the roof level and at the top of wall.

3.8. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

3.9. Unless otherwise noted, all slabs on grade shall be 4 inches thick.

4. Masonry

4.1. Materials shall comply with the Standards specified in TMS 402-16 and TMS 602-16, "Building Code Requirements and Specification for Masonry Structures."
A. Materials, unless noted otherwise:
1. Concrete Masonry Units: ASTM C 90, Medium Weight.
2. Solid Clay Units: ASTM C216, Grade SW.
3. Material Strength: The Prism Test Method or the Unit Strength Method according to TMS 602-16 Section 1.4B may be used to determine the compressive strength of masonry assemblies. The contractor shall select the desired method and meet the required material strengths as follows:
a. Prism Test Method, TMS 602-16 Section 1.4 B.3:
1) Concrete Masonry Unit Assembly, f'_m = 2000 psi.
2) Solid Clay Unit Assembly f'_m = 1500 psi.
b. Unit Strength Method, TMS 602-16 Section 1.4 B.2:
1) Concrete Masonry Units, minimum unit strength of 2000 psi average or better. (f'_m = 2000 psi)
2) Solid Clay Units, minimum unit strength of 3350 psi average or better. (f'_m = 1500 psi)
4. Masonry not laid in Running Bond: Provide hollow open-end units. Four-inch nominal units used for masonry veneer are not required to meet this requirement.
5. Mortar: Use Type "S" according to ASTM C270, proportion specification. Admixtures shall not be added to the mortar mix.
6. Grout: For masonry assemblies with f'_m = 2,000 psi or less conform to ASTM C476, proportion specification. Grout that does not meet the requirements of ASTM C476 proportion specification or that is used in masonry assemblies with f'_m > 2,000 psi shall meet the following requirements: Meet the material requirements of ASTM C476, obtain a minimum compressive strength of f'_m or 2,000 psi, whichever is larger, at 28 days tested according to ASTM C1019, and a slump of 8 inches to 11 inches as determined by ASTM C143.
a. Self-Consolidating Grout: Conform to the material requirements of ASTM C476, obtain a minimum compressive strength of f'_m or 2,000 psi, whichever is larger, at 28 days tested according to ASTM C1019, obtain a slump flow of 24 inches to 30 inches as determined by ASTM C1611, and shall have a Visual Stability Index less than or equal to 1 as determined in accordance with ASTM C1611 Appendix X.1. Field addition of admixtures is not permitted.
7. Reinforcing: Grade 60 reinforcing steel shall comply with ASTM A615. Wire joint reinforcing shall comply with ASTM A951.
8. Deformed Bar Anchors (DBA): All DBAs shall comply with ASTM A496.
9. Anchor Bolts (AB): ASTM A307 with ASTM A563 heavy hex nuts and hardened washers, Grade A, unless noted otherwise.
10. Headed Stud Anchors (HSA): Manufacture all HSAs in conformance with ASTM A108 with dimensions complying with AISC specifications.

4.2. Construction Requirements
A. Mortar Joints: Joints shall be "concave", "V-joint" or "weathered raked" for structural members unless noted otherwise on architectural drawings.
B. Masonry walls, beams and columns shall be constructed with running bond, unless noted otherwise.
C. Grouting Requirements: Comply with IBC Section 2104 and TMS 602 Section 3.5. Grout shall be mechanically consolidated and mechanically reconsolidated according to TMS 602 Section 3.5 E.
1. Grout Pour Heights that exceed 4 feet shall meet the following requirements:
a. Provide a cleanout in the bottom course of masonry for each grout pour in accordance with TMS 602 Section 3.2 F.
b. For grout other than Self Consolidating Grout a demonstration panel representative of the proposed wall construction and construction procedures shall be provided and approved by the Architect. The demonstration panel may be a part of the completed construction as approved by the Architect.
c. For Self-Consolidating Grout placed in masonry that has cured for at least 4 hours, place in lifts not exceeding the Maximum Grout Pour Height in listed in TMS 602 Section 3.5C.
2. When grouting, form grout keys between grout pours. Form grout keys between grout lifts when the first lift is permitted to set prior to placement of the subsequent lift.
a. Form a grout key by terminating the grout a minimum of 1 ½ inches below a mortar joint.
b. Do not form grout keys within beams.
c. At beams or lintels laid with closed bottom units, terminate the grout pour at the bottom of the beam or lintel without forming a grout key.
3. Masonry shall be solid grouted for the following conditions:
a. Masonry not laid in running bond.
b. Masonry columns.
c. Masonry beams/lintels.
d. Masonry below grade or retaining soils.
e. Exterior free-standing walls.
D. Reinforcing Bars shall not be welded unless specifically shown on drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for DBAs or HSAs.
E. Control Joints: Spacing shall not exceed 40 feet or 2.5 times the wall height, whichever is less. Joints shall not be located over masonry openings, and shall be a minimum of the schedule masonry column width away from masonry openings. See architectural drawings for locations.
F. Grout all beam and joist pockets solid after installation of beams and joists.
G. Masonry Veneer Attachment and Reinforcing:
1. Joint reinforcement: Veneer not laid in running bond shall have continuous, galvanized 9-gauge wire joint reinforcement spaced vertically at 18 inches on center maximum. Mechanically attach veneer anchors to the continuous wire joint reinforcing with Hohmann & Barnard Seismiclip Interlock System (S.I.S.) clips.
2. Veneer shall be attached with anchors as follows:

Backup	Insulation Present	Veneer Anchors (Hohmann & Barnard)	Fasteners to Backup
Reinforced masonry walls with joints aligned in veneer	Yes or No	270-2X Ladder Eye Wire	Cast in place
Reinforced masonry walls with joints not aligned in veneer	Yes	362-CX Gripstay Channel Slot with 363-BT	Corrosion resistant screws or sleeve expansion anchors with 200 lb minimum allowable capacity
	No	DW-10HS	
Steel studs	Yes	HB-213-2X or BL-407 with VBT	#10 corrosion resistant screws
	No	DW-10HS	#10 corrosion resistant screws

3. Anchors shall be spaced at a maximum of 16 inches on center horizontally and 18 inches on center vertically.
4. Anchors, channels, and ties shall be corrosion resistant.
5. Other methods of attachment may be used after written acceptance by the Architect and Engineer of Record.
6. Steel Lintels: Provide steel angle lintels at all openings through the masonry veneer. Provide one inch of bearing for each foot of width of opening, with a minimum bearing of six inches. See the STEEL ANGLE LINTEL SCHEDULE for size. All steel angle lintels shall be galvanized unless noted otherwise.

4.3. Detailing Requirements
A. Standards: Reinforcing detailing shall comply with American Concrete Institute (ACI) Standard 315, "Details and Detailing of Concrete Reinforcement."
B. Reinforcement Protection (cover):
1. Joint reinforcement shall have not less than 5/8 inch mortar coverage from the exposed face.
2. Other reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than ¾ inch. When masonry is exposed to soil, minimum coverage shall be 1 ½ inch.
C. Vertical steel reinforcement shall be placed and secured against displacement prior to grouting by wire positioners or other suitable devices: at intervals not exceeding the least dimension of the grout lift height, or bar splice locations, or 64 inches. Vertical reinforcing shall be located at the center of the wall, unless noted otherwise.
D. Lap Splice Lengths: Lap all masonry reinforcing bars per the "Masonry Reinforcing Bar Lap Splice Schedule." Joint reinforcement shall lap a minimum of 6 inches.
E. Corner Bars: Horizontal reinforcement shall be continuous at all corners and at intersecting walls. Provide corner bars with the required lap splice length.
F. Dowels: All vertical reinforcing shall be doweled to the foundation wall, footing (structure below) and to the structure above with the same size doweled, spacing (and in the same core) as the vertical wall reinforcing unless noted otherwise.
G. Wall Openings 24 inches wide and wider: Provide reinforced masonry lintels per Masonry Lintel Schedule over the top of, and 2 - #5 bars, in grouted spaces, on all sides and adjacent to every unscheduled opening, unless noted otherwise. Bars for all openings shall extend a minimum of 24 inches beyond the corners of the opening. Vertical bars shall extend from floor level below to the floor, or roof, level above. Where a 24 inch extension is not possible, extend bars as far beyond the opening as possible and terminate them with a 90 degree standard ACI hook.
H. Horizontal wall reinforcing shall be continuous through joining concrete walls, masonry walls, columns, and pilasters. Provide a key between the wall and the column or pilaster. The horizontal wall reinforcing shall be placed inside the column vertical reinforcing.
I. Anchor bolts and headed stud anchors shall be set in a grouted cell. Anchor bolts and headed stud anchors shall have 1 inch of grout surrounding the shank at its penetration. Grout shall be flush with the face or top of the masonry.
J. All masonry column ties shall terminate with 135-degree hooks plus an extension of (6) bar diameters (4 inches minimum).
K. The exposed face of all embed plates shall be set flush with the face of masonry wall or column.

4.4. Minimum Reinforcing
All masonry walls shall be reinforced as follows, unless shown otherwise on the drawings. Reinforcing shall be placed in grouted cells:

Wall Thickness	Horizontal Reinforcing	Vertical Reinforcing
6"	#4 @ 48" o.c.	#5 @ 32" o.c.
8"	#5 @ 48" o.c.	#5 @ 32" o.c.
10"	#6 @ 48" o.c.	#6 @ 32" o.c.
12"	2 - #5 @ 48" o.c.	#6 @ 32" o.c.

5. Structural Steel

5.1. Material
A. W-Shapes: ASTM A992, (F_y = 50 ksi), except as noted otherwise
B. Rectangular and Square Hollow Structural Sections (HSS): ASTM A500, Grade C (F_y = 50 ksi)
C. Round HSS: ASTM A500, Grade C (F_y = 46 ksi)
D. Steel Pipe: ASTM A53, Grade B (F_y = 35 ksi)
E. All Other Shapes and Plates: ASTM A36 (F_y = 36 ksi), except as noted otherwise
F. Steel Deck:
1. Galvanized Steel Sheet: ASTM A653 or A1063, Grade 50 with G60 galvanized coating.
2. Ungalvanized Steel Sheet: ASTM A1008 or A1039, Grade 50
G. High-Strength Bolts:
1. Group A: ASTM F3125 Grades A325 & F1852
2. Group B: ASTM F3125 Grades A490 & F2280
3. Group C: ASTM F3043 & ASTM F3111
H. Deformed Bar Anchors (DBA): ASTM A496 or ASTMA1064, 70 ksi minimum yield strength.
I. Headed Stud Anchors (HSA): ASTM A108, with dimensions complying with AISC specifications
J. Anchor Rods: ASTM F1554, Grade 36, unless noted otherwise, with ASTM A563 heavy hex nuts and ASTM F436 hardened washers
K. Structural steel that is part of the seismic force resisting system shall be supplied with minimum Charpy V-Notch impact test results of 20 ft-lbs. absorbed energy at 70 degrees Fahrenheit, indicated below:
1. Hot rolled shapes with flanges 1 ½ inches thick and thicker tested in the alternate core location as described in ASTM A6 Supplementary requirement S30
2. Plates 2 inches and thicker measured at any location permitted by ASTM A673
3. Test Frequency: Each heat

5.2. Fabrication and construction shall comply with the following Codes and Standards:
A. American Institute of Steel Construction (AISC)
1. AISC 360-16, "Specification for Structural Steel Buildings"
2. AISC 341-16, "Seismic Provisions for Structural Steel Buildings"
3. AISC 303-16, "Code of Standard Practice for Steel Buildings and Bridges"
a. The Structural drawings shall be used in conjunction with the architectural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in architectural, structural, and/or other consultants' drawings. Refer to the Special Instructions section of the general notes, below.
4. AISC 358-16, "Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications."
B. Research Council on Structural Connections (RCSC), "Specification for Structural Joints Using High-Strength Bolts," dated August, 2014.
C. American Welding Society (AWS):
1. AWS D1.1–2015: "Structural Welding Code — Steel" (specific items do not apply when they conflict with the AISC requirements)
2. AWS D1.8–2016: "Structural Welding Code — Seismic Supplement" (specific items do not apply when they conflict with the AISC requirements)

5.3. Structural shapes and plates shall be fabricated from newly rolled (milled) one-piece sections without splices, unless specifically noted otherwise on the structural drawings. Connections for structural steel shall comply with the structural drawings, unless written approval is given by the Engineer of Record.

5.4. Welding
A. It is recommended the steel erection contractor and steel fabricator contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect prior to beginning work.
C. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof decks.
D. Minimum Welds: All intersecting steel shapes that are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Fillet weld sizes that are not shown shall be 1/16 inch less than the thinnest of the connected parts for thicknesses ¼ inch and larger. Fillet welds on plates less than ¼ inch shall be of the same size as the thinnest of the connected parts.
E. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs).
F. Bolts: Do not apply any welds, including "tack" welds to bolts, including anchor bolts, except as specifically detailed in the drawings.
G. Headed Stud Anchor (HSA) welding and Deformed Bar Anchor (DBA) welding shall conform to the manufacturer's specifications. Welding shall comply with AWS D1.1 Section 7.6 through 7.9 and Annex G.
H. Special Provisions for Welds in the SFRS (Seismic Force Resisting System): Welds used in members and connections of braced frames and moment frames shall comply with the requirements listed below. Welding methods, procedures and quality control shall comply with AISC 341 Chapter J, AWS D1.1, AWS D1.8 and the following:
1. Demand Critical Welds: The following CJP groove welds are demand critical and shall comply with the special requirements for Demand Critical Welds.
a. Column splice welds including column bases in braced frames.
b. Other welds designated as demand critical in the drawings.
2. Welding shall be performed in accordance with AISC 341 Chapter J, and the welding procedure specification (WPS) as required in AWS D1.1. WPS variables shall be within the parameters established by the filler metal manufacturer. WPS for demand critical welds shall also comply with AWS D1.8 Section 6.1.
3. Consumables for Welding:
a. Welds used in members and connections of the SFRS shall be made with filler metals meeting the requirements specified in section 6.3 of AWS D1.8.
b. Filler metal properties shall be as follows:

Property	70 ksi Classification	80 ksi Classification
Yield Strength, ksi	58 min	68 min
Tensile Strength, ksi	70 min	80 min
Elongation (%)	22 min	19 min
CVN Toughness, ft-lbf	20 min @ 0 degrees F	20 min @ 20 degrees F

c. Filler metals in Demand Critical Welds shall receive Heat Input Testing that achieves the properties listed above with CVN toughness of 40 ft-lbf min @ 70 degrees F and shall comply with AWS D1.8 section 6.3.5 to 6.3.8.
d. Diffusible Hydrogen: Welding electrodes and electrode-flux combinations shall meet the requirements of AWS D1.8 Table 6.3. The manufacturer's Certificate of Conformance shall be considered adequate proof of this requirement.
e. Intermixed filler metals shall meet the requirements of AWS D1.8 section 6.3.4.
4. Backer bars shall be removed from the beam bottom flange to columns. The root of the weld shall be back gouged to sound metal to remove all slag and cracks. Weld the back gouged region and finish welding using a reinforcing fillet weld. Comply with AWS D1.8 sections 6.7 and 6.8. This requirement also applies to all non-fusible backing used at beam to column CJP welds. Comply with AWS D1.8 section 6.9.
5. Steel backer bars need not be removed from the beam top flange connections to columns or at continuity plate connections to columns provided that the backer bars are welded to the column flange with a continuous 5/16 inch fillet weld on the edge below the CJP groove weld for the entire length of the backer bar.
6. Backing at beam flange to column flange joints shall not be welded to the underside of the beam flange, nor tack welded at this location. If fillet welds or tack welds are placed between the backing and the beam flange in error, they shall be repaired per AWS D1.8 Section 6.9.3.
7. Details and treatment of weld tabs shall be per AWS D1.8 Section 6.11. Use weld tabs as specified in AWS D1.1 Section 5.31 except at the end of CJP welds adjacent to the column web/flange juncture at continuity plates. Remove weld tabs to within 1/8 inch of the base metal surface after welding. Where weld tabs are used at continuity plates, remove them to within ¼ inch of the base metal surface after welding. Finish the edge where weld tabs are removed to a surface roughness of 500 micro-inches.
8. CJP joints in members with different thickness or widths (such as column splices) shall be transitioned in a manner that the slope in the transition does not exceed 1 in 2 ½. The transition shall be accomplished by chamfering the thicker part, tapering the wider part, sloping the weld metal, or by a combination of these.
9. Quality requirements for weld access holes for all demand critical welds shall comply with AWS D1.8 Section 6.10. Weld access hole shape shall be per AWS D1.8 Figure 6.2.
10. Beam bottom flange welding sequence shall comply with AWS D1.8 Section 6.14.
11. Preheat, and interpass temperatures shall comply with AWS D1.1 Section 3.5 and AWS D1.8 Section 6.5.
12. Additional welding provisions applicable to demand critical welds only are as follows:
a. Welding processes shall comply with AWS D1.8 Section 6.2.
b. Filler metal packaging and exposure limitations shall comply with AWS D1.8 Section 6.4.
13. Tack welds shall comply with AWS D1.1 Section 5.18 and AWS D1.8 Section 6.6 and 6.16. Tack welds attaching backing bars and weld tabs at demand critical welds shall be placed where they are incorporated into a final weld.
14. Imperfections such as cracks, gouges, grooves, arch strikes and notches will not be permitted within the Protected Zone. Imperfections within the Protected Zone shall be repaired or removed in accordance with AWS D1.8 Section 6.15.4.
15. Braced Frame Welding: Lengths shown for fillet welds at brace-to-gusset, gusset-to-baseplate, and column-to-gusset connections are minimums, included for establishing gusset plate dimensions. Weld entire contact length at these joints, typical.

5.5. Bolted Connections
A. Provide snug tightened joints with Group A (threads not excluded) bolts for steel-to-steel connections, unless noted otherwise. Snug t

DeWalt Screw-Bolt+	ICC ESR-4042
Simpson Titen HD	ICC ESR-1056

Steel Expansion/Wedge Anchor	Evaluation Report
Hilti Kwik Bolt TZ2	ICC ESR-4561
DeWalt Power-Stud+ SD1	ICC ESR-2966
Simpson Wedge-All	ICC ESR-1396

Adhesive Anchor System	Evaluation Report
Hilti HIT-HY 270	ICC ESR-4143 ICC ESR-4144
DeWalt AC100+ Gold	ICC ESR-3200

E. Alternate anchors or adhesives are permitted with approval of the Engineer of Record. The Contractor shall submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent to or exceeds the capacity of the specified anchor.
F. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program. Certification shall include written and performance tests in accordance with the ACI/CRSI Adhesive Anchor Installer Certification program, or equivalent. Proof of current certification shall be submitted to the Engineer of Record for approval prior to commencement of installation.
G. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
1. Hole diameter, depth, and cleaning procedure
2. Adhesive mixing, preparation, and placement
3. Installation torque
H. Locate all existing reinforcement and embedded items prior to drilling into concrete or masonry elements. Do not damage rebar or embeds while drilling or installing anchors.
I. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional requirements at architecturally exposed concrete.
J. Carbon steel anchors are limited to use in dry, interior locations.
K. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report. Holes shall not be re-used unless approved by the manufacturer.

8. Special Instructions

8.1. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.

8.2. The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to the attention of the Architect before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the Owner. Any work done by the Contractor after discovery of such discrepancy shall be done at the Contractor's risk.

8.3. The structural drawings shall be used in conjunction with the architectural drawings. Primary structural elements and overall structural layout are indicated within the structural plans and details. Some secondary elements, architectural layouts, alcoves, elevations, slopes, depressions, curbs, mechanical equipment and electrical equipment, are not indicated within the structural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.

8.4. Shoring and Bracing Requirements
A. Floor and Roof Structures -- The General Contractor is responsible for the method and sequence of all structural erection. The Contractor shall provide temporary shoring and bracing as the method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof and floor attachments. The building shall not be considered stable until all connections are complete.
B. Foundation walls must be braced until the complete floor or roof systems is completed. Do not backfill until the floor or roof systems are in place.
C. Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self-supporting.

8.5. All expansion joints (E.J.) shown in the structural drawings shall be considered seismic separation joints, unless noted otherwise. The width dimensioned shall be provided with a tolerance of (+1"/-0") regardless of the tolerances stated in material reference standards.

8.6. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the Contractor of the responsibility of complying the project according to the contract documents. The General Contractor shall review and mark all shop drawings prior to submitting them to the Architect for review. Shop drawings made from reproductions of (these) contract drawings will be rejected.

8.7. Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the General Contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the General Contractor. It is the Contractor's obligation to provide all items necessary for the chosen procedure.

8.8. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, Contractor shall notify Architect/Engineer prior to fabrication or construction within that area.

8.9. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the Contractor or subcontractors for preparation of shop drawings or other submittals.

9. Quality Assurance

9.1. Quality Assurance Agency Requirements
A. The Owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project. The QAA shall provide all information necessary for the building official to determine that the agency meets the applicable requirements.
1. The QAA shall be objective, competent and independent from the Contractor responsible for the work being inspected. The agency shall disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.
2. The QAA shall have adequate equipment to perform required tests. The equipment shall be periodically calibrated.
3. The QAA shall employ experienced personnel educated in conducting, supervising and evaluating tests and special inspections. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities.
4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer of Record and Contractor. Reports shall indicate that the work inspected was or was not completed in conformance to the approved construction documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the Architect and Engineer of Record.
5. The QAA shall submit a final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests. The final report shall be distributed to the building official, Owner, Architect and Engineer of Record in a timely manner prior to the completion of the project.

9.2. Contractor Responsibilities
A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work on the systems or components listed in the statement of special inspections. The Contractor's statement of responsibility shall contain acknowledgement or awareness of the special requirements contained in the statement of special inspections.
B. Notification of QAA: The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.

9.3. Structural Observations by the Engineer of Record
A. The Engineer of Record will perform structural observations at critical phases of the project as listed below. Observations will be made on a periodic basis throughout the construction of the structural system. During this timeframe, site visits will be made approximately ____. Copies of the observation report will be distributed to the Architect, Contractor, Owner, and QAA.
B. The contractor shall notify the Engineer of Record at least 24 hours in advance before any of the following actions.
1. Placing concrete in any footing, mat footing, deep foundation, grade beam, or pier.
2. Closing any wall forms.
3. Placing concrete in any column, beam, or suspended slab.
4. Grouting any masonry.
5. Completing the structural steel framing.
6. Completing the welding or fastening of major sections of steel decking.
7. Completing the fastening of any sheathing on wall, roof, or floor system.
C. Observation visits to the site by the Engineer of Record or the Engineer's field representatives shall not be construed as inspection or approval of construction.

10. Statement of Special Inspections

10.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).

10.2. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases, periodic inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. Frequency marked with (E) designates periodic inspections that must be performed prior to or upon completion of every task and for each member, welded joint, and bolted connection.

10.3. Special inspections during fabrication are not required where the work is done on the premises of a fabricator approved by the authority having jurisdiction to perform such work without special inspection. At the Owner's discretion, periodic inspection, testing, or auditing of the fabricator's quality control processes may be performed by the Owner's quality assurance agency. At completion of fabrication, the fabricator shall submit a certificate of compliance for submittal to the building official, as specified in Section 1704.5, stating that the work was performed in accordance with the approved construction documents.

Structural Steel per IBC Section 1705.2.1, 1705.13.1 & 1705.14.1

Item	Frequency	Detailed Instructions
Prior to Welding (Table N5.4-1, AISC 360-16):		
Welder qualification records	Periodic	Verify welder qualification records and continuity records
Verify welding procedures (WPS) and consumable certificates	Periodic (E)	
Material identification	Periodic	Verify type and grade of material.
Welder identification	Periodic	Confirm a system is in place by which a welder who has welded a joint or member can be identified.
Fit-up groove welds	Periodic	Verify joint preparation, dimensions, cleanliness, tacking, and backing.
Access holes	Periodic	Verify configuration and finish.
Fit-up of fillet welds	Periodic	Verify dimensions, cleanliness and tacking.
During Welding (Table N5.4-2, AISC 360-16):		
Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Cracked tack welds	Periodic	Verify that welding does not occur over cracked tack welds.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Welding techniques	Periodic	Verify interpass and final cleaning, each pass is within profile limitations, and quality of each pass.
Steel headed stud anchors	Periodic	Verify placement and installation of steel headed stud anchors. Verify all stud welds show a full 360° flash.
After Welding (Table N5.4-3, AISC 360-16):		
Welds cleaned	Periodic	Verify that welds have been properly cleaned.
Size, length, and location of welds	Periodic (E)	Verify the size, length and location of welds.
Welds meet visual acceptance criteria	Periodic (E)	Verify that welds meet crack prohibition, base metal fusion, profile, size, undercut, and porosity provisions.
Arc strikes	Periodic (E)	Verify that arc strikes do not exist outside the permanent weld areas.
k-area	Periodic (E)	When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks.
Weld access holes in rolled heavy shapes and built-up heavy shapes (flange >2")	Periodic (E)	After rolled heavy shapes and built-up heavy shapes are welded, visually inspect the weld access holes for cracks.
Backing & weld tabs removed	Periodic (E)	If required on the approved construction documents, verify that back and weld tabs are removed.
Repair activities	Periodic (E)	Verify that repair activities are performed in accordance with AISC 360 and AWS D1.1.
Documentation	Periodic (E)	Document the acceptance or rejection of the welded joint or member.
Prohibited welds	Periodic (E)	Verify no prohibited welds have been added without approval of the EOR.
Nondestructive Testing (Section N5.5, AISC 360-16):		
CJP welds (Risk Cat. II)	Periodic	UT testing shall be performed on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater. (This must be performed on 100% of CJP welds in SDC 'D-F' per AISC 341.)
Prior to Bolting (Table N5.6-1, AISC 360-16):		
Certifications of fasteners	Continuous	Verify that manufacturer's certificates are available for fastener materials.
Fasteners marked	Periodic	Verify that fasteners have been marked in accordance with ASTM requirements.
Proper fasteners for joint	Periodic	Verify grade, type, and bolt length if threads are excluded from the shear plane.
Proper bolting procedure	Periodic	Verify proper procedure is used for the joint detail.
Connecting elements	Periodic	Verify appropriate faying surface condition and hole preparation, if specified, meet requirements.
Pre-installation verification testing	Periodic	Observe and document verification testing by installation personnel for fastener assemblies and methods used.
Proper storage	Periodic	Verify proper storage of bolts, nuts, washers, and other fastener components.
During Bolting (Table N5.6-2, AISC 360-16):		
Fastener assemblies	Periodic	Verify that fastener assemblies are of suitable condition, paced in all holes, and washers and nuts are positioned as required.
Snug-tight prior to pretensioning	Periodic	Verify that joints are brought to snug-tight condition prior to pretensioning operation.
Fastener component	Periodic	Verify that fastener component not turned by wrench is prevented from rotating.
Pretensioned fasteners	Periodic	Verify that fasteners are Pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges.
After Bolting (Table N5.6-3, AISC 360-16):		
Documentation	Periodic (E)	Document the acceptance or rejection of bolted connections.
Other Steel Inspections (Section N5.8, AISC 360-16: Table J8.1, J10.1, AISC 341-16):		
Structural steel details	Periodic	All fabricated steel or steel frames shall be inspected to verify compliance with the details shown in the approved construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection.
Anchor rods and other embedments supporting structural steel	Periodic	Shall be on the premises during the placement of anchor rods and other embedments supporting structural steel for compliance with construction documents. Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
Galvanized structural steel	Periodic	Verify that exposed cut surfaces of galvanized structural steel does not include cracks prior to galvanizing the surface.
Protected zones	Periodic	Verify that no holes or unapproved attachments are made within the protected zone *(see Table J8.1 of AISC 341-16).* Ensure that protected zones are clearly marked in the field in a manner consistent with the structural drawings. If fireproofing is applied, confirm that markings are established both before and after application. Marking materials shall be non-damaging and compatible with the structural elements. Where markings will remain exposed to public view, they shall be non-permanent and removed at the end of construction.
Composite Construction — Steel & Concrete (Table J9.1, J9.2 7 J9.3 AISC 341-16):		
Prior to concrete placement	Continuous	Verify type and grade of reinforcing steel; carbon equivalent if other than A706 bars; proper reinforcing steel size, spacing and orientation; that bar has not been re-bent; bar is tied and supported; proper clearances are provided; and composite member has required size.
During concrete placement	Periodic	Verify appropriate mix design; limitations on water added to truck/pump; and proper placement techniques are used to limit segregation.
After concrete placement	Periodic	Document that minimum concrete compressive strength was achieved at specified age.

Steel Roof and Floor Decks per IBC Section 1705.2.2 and SDI QA/QC - 2017

Item	Frequency	Detailed Instructions
Steel Roof and Floor Decks Prior to Placement (IBC 1705.2.2 and Table 1.1, SDI QA/QC 2017):		
Materials	Periodic (E)	Verify compliance of deck and all deck accessories with approved construction documents, including profiles, material properties, and base metal thickness.
Documentation	Periodic (E)	Document acceptance or rejection of deck and deck accessories
Steel Roof and Floor Decks After Placement (IBC 1705.2.2 and Table 1.2, SDI QA/QC 2017):		
Compliance with construction documents	Periodic (E)	Verify compliance of deck and all deck accessories installation with construction documents. Verify deck materials are represented by the mill certifications that comply with the construction documents.
Document acceptance or rejection of deck and deck accessories	Periodic (E)	
Steel Roof and Floor Decks Prior to Welding (IBC 1705.2.2 and Table 1.3, SDI QA/QC 2017):		
Welding procedure specifications available	Periodic	Verify that WPS is available.
Certifications of welding consumables	Periodic	Verify that manufacturer certifications for welding consumables are available.
Material identification	Periodic	Verify type and grade of materials to be welded
Welding equipment	Periodic	
Steel Roof and Floor Decks During Welding (IBC 1705.2.2 and Table 1.4, SDI QA/QC 2017):		
Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Steel Roof and Floor Decks After Welding (IBC 1705.2.2 and Table 1.5, SDI QA/QC 2017):		
Size, length, and location of welds	Periodic	Verify size and location of welds, including support, sidelap, and perimeter welds.
Welds meet visual acceptance criteria	Periodic (E)	Verify weld meets visual acceptance criteria based upon weld/base-metal fusion, weld profiles, weld size, undercut, and porosity.
Repair activities	Periodic (E)	Verify that repair activities are acceptable.
Document acceptance or rejection of welds	Periodic (E)	
Steel Roof and Floor Decks Prior to Mechanical Fastening (IBC 1705.2.2 and Table 1.6, SDI QA/QC 2017):		
Pre-installation verification	Periodic	Verify manufacturer installation instructions are available for mechanical fasteners as well as the proper tools and storage for the fasteners.
Steel Roof and Floor Decks During Mechanical Fastening (IBC 1705.2.2 and Table 1.7, SDI QA/QC 2017):		
Fastener Placement	Periodic	Verify that fasteners are positioned as required and installed in accordance with the manufacturer's instructions.
Steel Roof and Floor Decks After Mechanical Fastening (IBC 1705.2.2 and Table 1.8, SDI QA/QC 2017):		
Spacing, type and installation of fasteners	Periodic (E)	Verify the spacing, type and installation of support, sidelap and perimeter fasteners.
Repair activities	Periodic (E)	Verify that repair activities are acceptable.
Document acceptance or rejection of mechanical fasteners	Periodic (E)	

Concrete Construction per IBC Sections 1705.3 & 1705.12

Item	Frequency	Detailed Instructions
Reinforcing steel	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of ice, mud, oil, or other deleterious coatings that decrease bond. Prestressing reinforcement shall be free of mill scale, pitting, and excessive rust. A light coating of rust shall be permitted; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report, and that minimum clear spacing requirements between bars and lap splices are in accordance with the Detailing provisions of the General Structural Notes.
Cast-in bolts & embeds	Periodic	Inspection of anchors or embeds cast in concrete.
Post-installed adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	Continuous	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. Horizontally or upwardly inclined anchors that resist sustained tension loads require continuous inspection and approved installers.
Post-installed mechanical anchors and adhesive anchors not defined above	Periodic	
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch.19, 26.4.3-26.4.4; and IBC 1904.1.1904.2
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C39 by a testing agency complying with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd³ of concrete, nor less than once for each 5000 ft² of surface area for slabs or walls. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Concrete placement	Continuous	
Curing temperature and techniques	Periodic	Verify that the ambient temperature for concrete is kept at > 50° F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 26.5.3). All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms
Formwork	Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.
Welding of Reinforcing Steel (IBC Table 1705.3):		
Verification of weldability	Periodic	Verify weldability of reinforcing steel other than A706 based upon carbon equivalent and in accordance with AWS D1.4. Continuous inspection is required for welding of reinforcing steel used in intermediate or special concrete moment frames, boundary elements of special structural walls or shear reinforcement.
Other reinforcing steel	Periodic	Visually inspect all welds in accordance with AWS D1.4.
Single-pass fillet welds, 5/16" max	Periodic	
All other welds	Continuous	

Masonry Construction per IBC Section 1705.4

Item	Frequency	Detailed Instructions
Prior to Construction (Table 3, TMS-602-16):		
Review material certificates, mix designs, test results and construction procedures	Periodic	Verify that materials conform to the approved construction documents. Mix design, test results, material certificates, and construction procedures should be submitted to inspector for review. Mortar mix designs shall conform to ASTM C 270 while grout shall conform to ASTM C 476. Material certificates shall be provided for reinforcement; anchors, ties, fasteners, and metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction shall be reviewed.
Verify f'_m prior to construction	Periodic	Determine the compressive strength for each wythe by the "unit strength method' or by the "prism test method" as specified in Section 1.4B of ACI 530.1-13 prior to construction.
As Masonry Construction Begins (Table 4, TMS-602-16):		
Proportions of site-prepared mortar	Periodic	Verify that mortar is of the type and color specified on the construction documents, that it conforms to ASTM C 270, and that it is mixed in accordance with Article 2.6 A of TMS-602-16.
Reinforcement, connectors, and anchorages	Periodic	Verify that reinforcement, connectors, and anchorages are of the proper grade, type and size in accordance with Article 3.4 of TMS-602-16.
Sample panel	Periodic	Verify that sample panels are properly constructed and that subsequent work conforms per Article 1.6 D of TMS-602-16. (If Risk Category IV this should be performed on a continuous basis.)
Construction of mortar joints	Periodic	Verify that mortar joints comply with Article 3.3 B of TMS-602/ACI 530.1-13.
Preparation of required grout specimens, mortar specimens and/or prisms shall be observed	Periodic	If the prism test method is used a minimum of three prisms shall be constructed in accordance with ASTM C1314. If the unit strength method is selected the compressive strength of the grout shall be determined per ASTM C1019 (not required if grout complies with ASTM C476).
Prior to Grouting (Table 4, TMS-602-16):		
Grout space	Periodic	Verify that grout space is free of mortar droppings, debris, loose aggregate, and other deleterious materials and that cleanouts are provided per Article 3.2 D and 3.2 F of TMS-602-16.
Grade, type, and size of reinforcement and anchor bolts	Periodic	Verify that reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors comply with the approved construction documents and Section 1.6 of TMS 402/ACI 530-13.
Placement of reinforcement and connectors and anchor bolts	Periodic	Verify that reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors are installed in accordance with the approved construction documents and Articles 3.2 E and 3.4 of TMS-602-16.
Placement of masonry units and construction of mortar joints	Periodic	Verify that face shells and head joints are fully mortared and that vertical cells are aligned and unobstructed openings for grout are provided. All units are to be clean and placed while mortar is soft and plastic. Verify that mortar joints are placed in accordance with Article 3.3 B of TMS 602/ACI 530.1-13.
During Masonry Construction (Table 4, TMS-602-16):		
Materials and procedures	Periodic	Ensure that materials and procedures conform to the approved construction documents and Article 1.5 of TMS-602-16.
Placement of masonry units and mortar joint construction	Periodic	Verify that masonry units are properly placed and that mortar joint construction conforms to Article 3.3 B of TMS-602-16.
Size and location of structural elements	Periodic	Verify the locations of structural elements with respect to the approved plans and confirm that tolerances meet the requirements of Article 3.3 F of TMS-602-16.
Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	Periodic	Verify that correct anchorages and connections are provided per the approved plans and Sections 1.2.1, 6.2.1 and 6.3.1 of TMS-402-16.
Welding of reinforcement	Continuous	
Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F).	Periodic	Verify that cold-weather construction is performed in accordance with Article 1.8 C of TMS-602-16 and hot weather construction per Article 1.8 D of TMS 602-16.
Observation of grout specimens, mortar specimens, and/or prisms	Periodic	Confirm that specimens/prisms are performed as required by Article 1.4 B of TMS-602-16.
Self-consolidating grout	Continuous	
Minimum Testing:		
Verification of Slump Flow and Visual Stability Index (VSI) for self-consolidating grout	Periodic	Compressive strength tests should be performed in accordance with ASTM C 1019 for slump flow and ASTM C 1611 for VSI.
Verification of f'_m	Periodic	Determine the compressive strength for each wythe by the "unit strength method" or by the "prism test method" as specified in Article 1.4 B of TMS 602-16 prior to construction. (For Risk Category IV buildings this should be verified at every 5,000ft² of construction.)
Verification of proportions of materials in premixed or pre-blended mortar and grout	Periodic	Verify that proportions for mortar meet ASTM C 270 and proportions for grout meet ASTM C 476.
Post-installed anchors or dowels		All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report.

Soils per IBC Section 1705.6

Item	Frequency	Detailed Instructions
Verify subgrade is adequate to achieve design bearing capacity	Periodic	Prior to placement of concrete.
Verify excavations extend to proper depth and material	Periodic	Prior to placement of compacted fill or concrete.
Verify that subgrade has been appropriately prepared prior to placing compacted fill	Periodic	Prior to placement of compacted fill.
Perform classification and testing of compacted fill materials	Periodic	All materials shall be checked at each lift for proper classifications and gradations not less than once for each 10,000 ft² of surface area.
Verify proper materials, densities and lift thicknesses during placement and compaction.	Continuous	

Architectural Components (Seismic Design Category D, E, or F) per IBC Sections 1705.13.5

Item	Frequency	Detailed Instructions
Erection and fastening of exterior cladding or interior and exterior veneers	Periodic	Verify appropriate materials, fasteners, and attachment at commencement of work and at completion. **Performed by code inspection firm.** (Not required if height of wall is less than 30 feet above grade or walking surface, or less than 5 psf)
Erection and fastening of interior and exterior nonbearing walls	Periodic	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. ***Performed by code inspection firm.*** (Not required if height of wall is less than 30 feet above grade or walking surface, or less than 15 psf)
Access floors	Periodic	Verify that anchorage complies with approved construction documents. Inspection of post-installed anchors shall comply with approved ICC-ES report. **Performed by code inspection firm.**

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

GENERAL STRUCTURAL NOTES

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

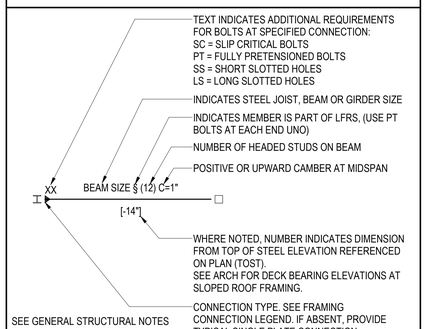
SHEET NUMBER:

SE002

PLAN LEGEND

- FOOTING STEP
- FOOTING - CONTINUOUS
- FOOTING - THICKENED SLAB
- FOOTING - SQUARE FOOTING - RECTANGULAR FOOTING - MAT FOOTING
- 0" CHANGE IN ELEVATION
- SLAB BLOCK-OUT AT COLUMN
- CJ SLAB CONTROL/CONSTRUCTION JOINT
- SPECIAL SLAB OR DECK AREA
- SPECIAL SLAB OR DECK AREA
- SPECIAL SLAB OR DECK AREA
- RECESSED/DEPRESSED SLAB
- OPENING
- CONCRETE HOUSEKEEPING PAD
- INDICATES ROOF DAVIT ARM BASE
- INDICATES WINDOW WASHING TIE-BACK
- CONCRETE OVER STEEL DECK
- STEEL DECK — STEEL GRATE
- CONCRETE WALL
- CONCRETE WALL - RECESSED (FDTN PLAN)
- CONCRETE LINTEL (FRAMING PLAN)
- CONCRETE WALL - RECESSED AT DOOR
- CONCRETE PIER IN CONCRETE WALL. TOP OF PIER RECESSED BELOW SLAB.
- CONCRETE COLUMN
- CONCRETE JAMB COLUMN POURED MONOLITHIC WITH CONCRETE WALL
- MASONRY WALL
- MASONRY WALL - RECESSED (FDTN PLAN)
- MASONRY LINTEL (FRAMING PLAN)
- MASONRY COLUMN IN MASONRY WALL
- NON-BEARING MASONRY WALL
- NON-BEARING MASONRY LINTEL
- STEEL/WOOD BEAM OR GIRDER
- STEEL/WOOD JOIST OR PURLIN
- STEEL BRACED FRAME - ABOVE
- STEEL BRACED FRAME
- STEEL BEAM OR GIRDER
- STEEL JOIST OR PURLIN
- STEEL ANGLE BRACE / KICKER. SEE C1/SF501 FOR DECK EDGE KICKER. SEE FOR FRAME BRACE
- CROSS BRIDGING
- HORIZONTAL BRIDGING
- STEEL COLUMN - TUBE (HSS)
- STEEL COLUMN - WIDE FLANGE
- STEEL COLUMN - PIPE (HSS)

STEEL FRAMING MEMBER DESIGNATION



- TEXT INDICATES ADDITIONAL REQUIREMENTS FOR BOLTS AT SPECIFIED CONNECTION:
  SC = SLIP CRITICAL BOLTS
  PT = FULLY PRETENSIONED BOLTS
  SS = SHORT SLOTTED HOLES
  LS = LONG SLOTTED HOLES
- INDICATES STEEL JOIST, BEAM OR GIRDER SIZE
- INDICATES MEMBER IS PART OF LFRS, (USE PT BOLTS AT EACH END UNO)
- NUMBER OF HEADED STUDS ON BEAM
- POSITIVE OR UPWARD CAMBER AT MIDSPAN
- WHERE NOTED, NUMBER INDICATES DIMENSION FROM TOP OF STEEL ELEVATION REFERENCED ON PLAN (TOST).
  SEE ARCH FOR DECK BEARING ELEVATIONS AT SLOPED ROOF FRAMING.
- CONNECTION TYPE, SEE FRAMING CONNECTION LEGEND. IF ABSENT, PROVIDE TYPICAL SINGLE PLATE CONNECTION.

SEE GENERAL STRUCTURAL NOTES FOR BOLT REQUIREMENTS

STEEL FRAMING CONNECTION LEGEND

- MOMENT FRAME CONNECTION (LFRS)
- GRAVITY BEAM MOMENT CONNECTION A2/SF601
- WELDED SINGLE PLATE COLLECTOR/CHORD CONNECTION B1/SF601

STRUCTURAL DRAWING LIST

SHT NO.	SHT NAME
SE001	GENERAL STRUCTURAL NOTES
SE002	GENERAL STRUCTURAL NOTES
SE003	LEGENDS & ABBREVIATIONS
SB101	FOOTING & FOUNDATION PLAN
SB501	TYPICAL FOOTING & FOUNDATION DETAILS
SB502	TYPICAL FOOTING & FOUNDATION DETAILS
SB503	BRACED FRAME FOOTING & FOUNDATION DETAILS
SB601	CONCRETE SCHEDULES
SB602	REINFORCING SCHEDULES
SF101	ROOF FRAMING PLAN
SF201	BUCKLING RESTRAINED BRACED FRAME ELEVATIONS
SF202	BRACE ANGLE ELEVATIONS
SF203	STRUCTURAL ELEVATIONS
SF211	BRACED FRAME DETAILS
SF212	BRACED FRAME DETAILS
SF213	BUCKLING- RESTRAINED BRACE SCHEDULE
SF401	POP-UP ROOF FRAMING AND DETAILS - BID ALT #2
SF501	TYPICAL ROOF FRAMING DETAILS
SF502	ROOF FRAMING DETAILS
SF601	TYPICAL STEEL FRAMING SCHEDULES
SF602	STEEL COLUMN SCHEDULE AND DETAILS
SF603	STEEL DECK SCHEDULES
SW201	STEEL STUD WALL ELEVATIONS
SW202	STEEL STUD WALL ELEVATIONS
SW301	STEEL STUD WALL SECTIONS
SW302	STEEL STUD WALL SECTIONS
SW501	EXTERIOR STEEL STUD DETAILS
SW502	EXTERIOR STEEL STUD DETAILS
SW503	EXTERIOR STEEL STUD DETAILS
SW601	NON-LOAD BEARING EXTERIOR STUD WALL SCHEDULE

ABBREVIATIONS

@	AT
AB	ANCHOR BOLT (S)
ABV	ABOVE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
BLDG	BUILDING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
D.B.	DECK BEARING
db	DIAMETER OF REINFORCING BAR
DBA	DEFORMED BAR ANCHORS
DBL	DOUBLE
DET	DETAIL
DIA (OR Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECK
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E.F.	EACH FACE
E.J.	EXPANSION JOINT (SEISMIC SEPARATION JOINT)
E.W.	EACH WAY
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST (E)	EXISTING
EXP	EXPANSION / EXPOSED
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.F.	FINISH FLOOR
F.V.	FIELD VERIFY
FDTN	FOUNDATION
FIN	FINISH
FL	FLOOR
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAMINATED BEAM
GR	GRADE
GSN	GENERAL STRUCTURAL NOTES
HB	HORIZONTAL BRIDGING
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHORS
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
I.F.	INSIDE FACE
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS - 1,000 POUNDS
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
Ld, Lt, Lsb, Lsbt, Ldc, Lsc	SEE CONCRETE REINFORCING BAR DEVELOPMENT AND LAP LENGTH SCHEDULE
LF	LINEAL FOOT
LFRS	LATERAL FORCE RESISTING SYSTEM (SFRS & WFRS)
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NORM	NORMAL
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
P.T.	POST-TENSIONED
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS/CUBIC FOOT
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS/LINEAL FOOT
PNL	PANEL
PSF	POUNDS/SQ FOOT
PSI	POUNDS/SQ INCH
R.D.	ROOF DRAIN

ABBREVIATIONS

REINF	REINFORCING
REQD	REQUIRED
SDS	SELF-DRILLING SCREW
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SI	SPECIAL INSPECTION (SP. INSP.)
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T & B	TOP AND BOTTOM
T.O.	TOP OF
TEMP	TEMPERATURE
THDS	THREADS
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.P.	WORK POINT
W/	WITH
WF	WIDE FLANGE
WFRS	WIND FORCE RESISTING SYSTEM
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

PLAN MARKS

BF-#	BRACED FRAME
CB-#	CONCRETE BEAM
CC-#	CONCRETE COLUMN
CCSS-#	CANTILEVERED CONCRETE SUSPENDED SLAB
CDP-#	CONCRETE DRILLED PIER
CFW-#	CONCRETE FOUNDATION WALL
CGB-#	CONCRETE GRADE BEAM
CJ-#	CONCRETE JOIST
CJC-#	CONCRETE JAMB COLUMN
CL-#	CONCRETE LINTEL
CP-#	CONCRETE PIER
CRW-#	CONCRETE RETAINING WALL
CSG-#	CONCRETE SLAB ON GRADE
CSH-#	CONCRETE SHEAR HEAD
CSS-#	CONCRETE SUSPENDED SLAB
CSW-#	CONCRETE SHEAR WALL
CW-#	CONCRETE WALL
FC#	CONTINUOUS FOOTING
FM#	MAT FOOTING
FR#	RECTANGULAR FOOTING
FS#	SQUARE FOOTING
FTS#	THICKENED SLAB FOOTING
HD-#	HOLD DOWN ANCHOR
MC-#	MASONRY COLUMN
MF-#	MOMENT FRAME
ML-#	MASONRY LINTEL
MP-#	MASONRY PIER
MW-#	MASONRY WALL
PTB-#	POST-TENSIONED CONCRETE BEAM
SBP-#	STEEL BASE PLATE
SC-#	STEEL COLUMN
SCP-#	STEEL CAP PLATE
SD-#	STEEL DECK
SDA-#	STEEL DECK ATTACHMENT
SG-#	STEEL GIRDER
SJ-#	STEEL JOIST
SND-#	SNOW DRIFT
WB-#	WOOD BEAM
WBW-#	WOOD BEARING WALL
WC-#	WOOD COLUMN
WD-#	WOOD DIAPHRAGM
WJ-#	WOOD JOIST
WSW-#	WOOD SHEAR WALL

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEGENDS & ABBREVIATIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SE003

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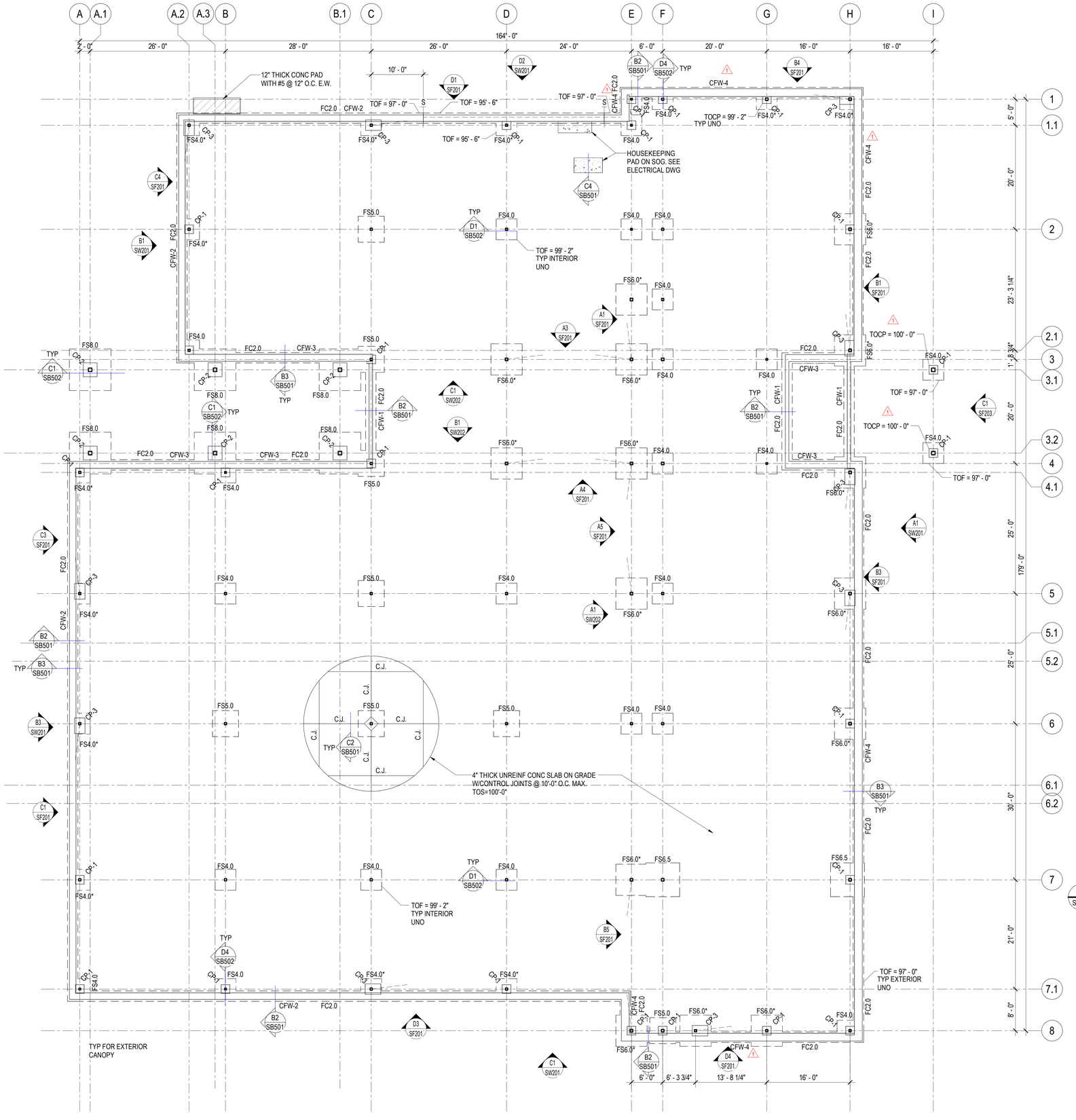
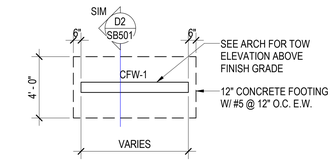


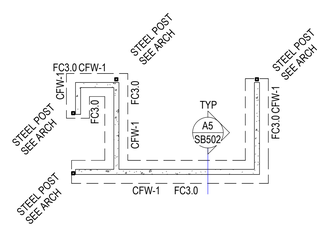
A1 SB101 FOOTING & FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



B5 SB101 FOOTING & FOUNDATION PLAN - MONUMENT SIGN

SCALE: 1/4" = 1'-0"



A5 SB101 FOOTING & FOUNDATION PLAN - TRASH ENCLOSURE

SCALE: 1/8" = 1'-0"

SLAB ON GRADE PLAN NOTES

1. ALL SLABS ON GRADE SHALL BE 4 INCHES THICK, UNLESS NOTED OTHERWISE. SEE TYPICAL CONCRETE SLAB ON GRADE PROFILE DETAIL B5/SB501 FOR SUBGRADE REQUIREMENTS.

2. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.

3. SEE ARCHITECTURAL DRAWINGS AND FINISH SCHEDULE FOR SLAB DEPRESSIONS, SLOPES TO DRAINS AND SLAB AREAS TO RECEIVE FLOOR TILE.

4. SEE TYPICAL CONCRETE SLAB ON GRADE DETAILS FOR CONSTRUCTION JOINTS, CONTROL JOINTS AND ADDITIONAL SLAB REINFORCING C2/SB501

5. SUBMIT SLAB ON GRADE CONTROL JOINT PLAN FOR REVIEW.

6. PROVIDE HOUSEKEEPING PADS AND CURBS PER DETAIL C4/SB501ERIFY DIMENSIONS AND LOCATIONS OF CURBS AND PADS WITH MECHANICAL AND EQUIPMENT SUPPLIER.

FOOTING & FOUNDATION PLAN NOTES

1. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE RETAINING AND / OR SITE WALLS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. SEE TYPICAL STEP DETAIL AT CONTINUOUS FOOTING AND TYPICAL STEP DETAIL AT MAT FOOTING FOR REINFORCING REQUIREMENTS D1/SB501C1/SB501

3. PROVIDE REINFORCEMENT AT WALL ENDS, INTERSECTIONS AND OPENINGS PER TYPICAL DETAILS D2/SB601 C2/SB601

4. DOWEL ALL CONCRETE WALLS TO FOOTING PER TYPICAL DETAIL D2/SB501

5. PROVIDE COMPACTED STRUCTURAL FILL UNDER ALL CONCRETE FOOTINGS PER TYPICAL DETAIL A5/SB501

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

FOOTING & FOUNDATION PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SB101

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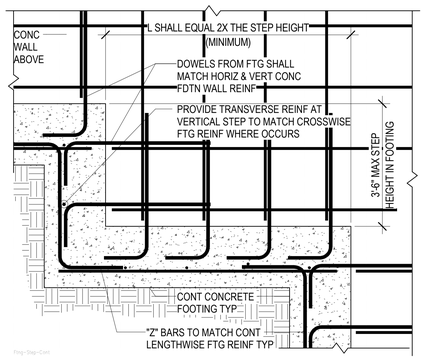
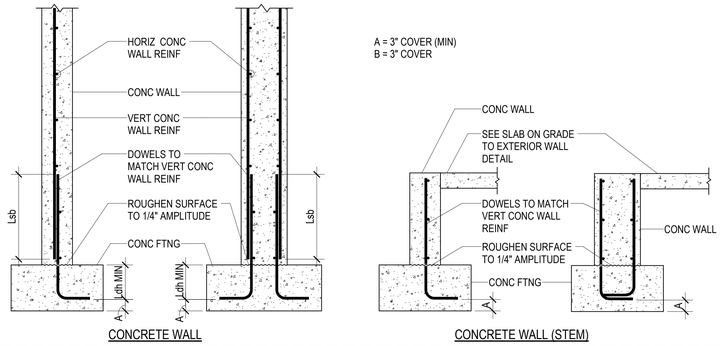


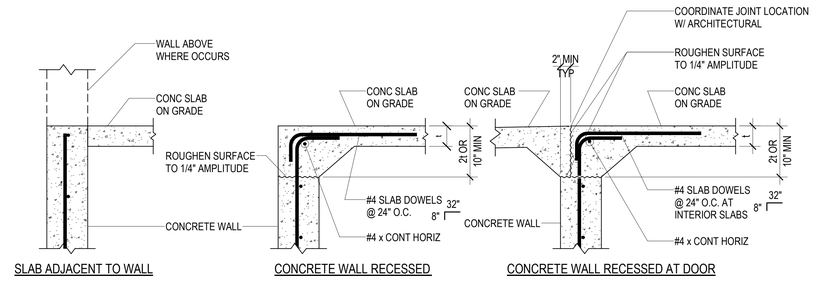
D1 / SB501 TYPICAL STEP DETAIL AT CONTINUOUS FOOTING

NO SCALE



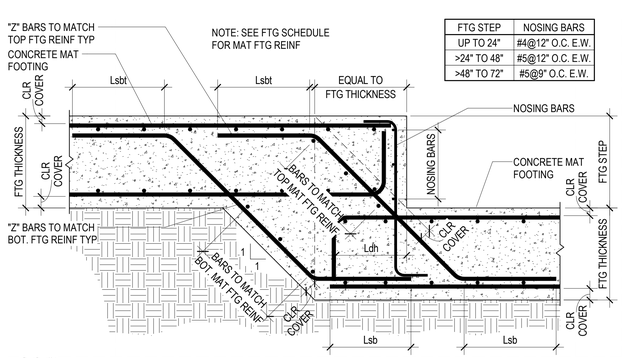
D2 / SB501 TYPICAL CONCRETE WALL CONNECTION TO CONCRETE FOOTING

NO SCALE



D4 / SB501 TYPICAL CONCRETE SLAB ON GRADE TO CONCRETE WALL

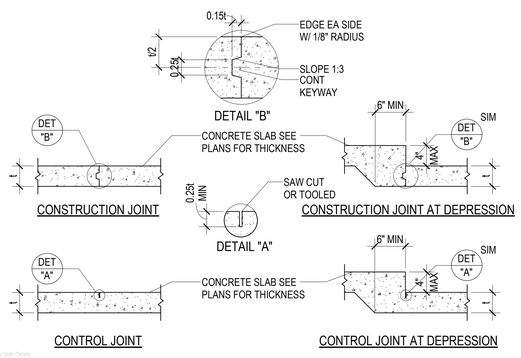
NO SCALE



FTG STEP	NOSING BARS
UP TO 24"	#4@12" O.C. E.W.
>24" TO 48"	#5@12" O.C. E.W.
>48" TO 72"	#5@9" O.C. E.W.

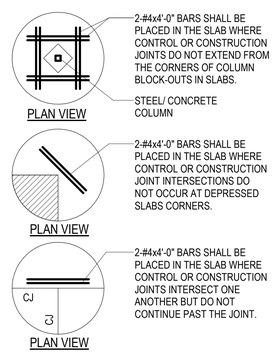
C1 / SB501 TYPICAL STEP DETAIL AT MAT FOOTING

NO SCALE



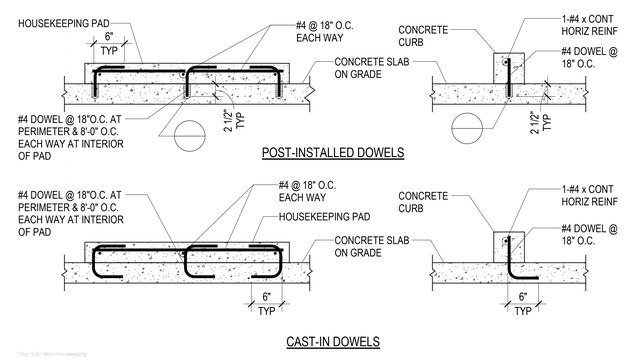
C2 / SB501 TYPICAL CONCRETE SLAB ON GRADE DETAILS

NO SCALE



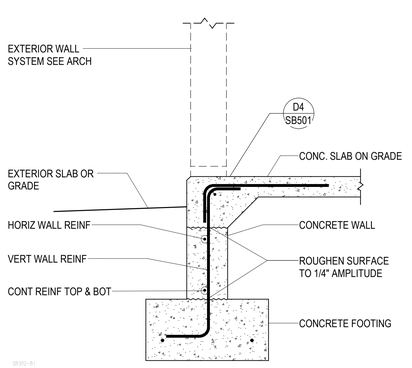
D4 / SB501 TYPICAL CONCRETE SLAB ON GRADE TO CONCRETE WALL

NO SCALE



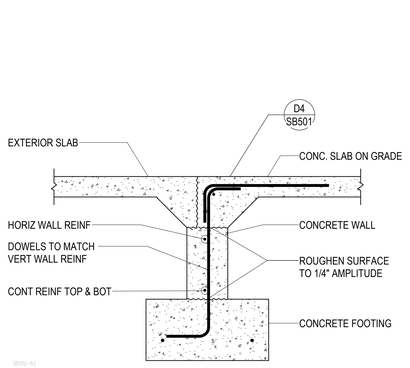
C4 / SB501 TYPICAL HOUSEKEEPING PAD & CURB DETAILS AT CONCRETE SLAB ON GRADE

NO SCALE



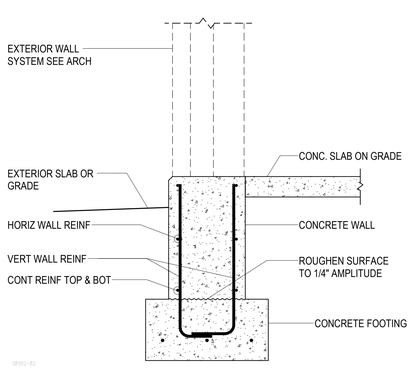
B1 / SB501 TYPICAL CONCRETE SLAB TO FOUNDATION WALL AT CURTAIN WALL

NO SCALE



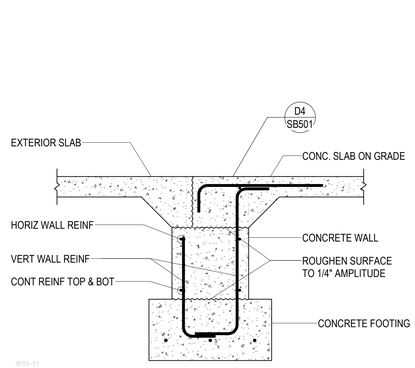
B2 / SB501 TYPICAL CONCRETE SLAB TO FOUNDATION WALL AT DOOR OPENING

NO SCALE



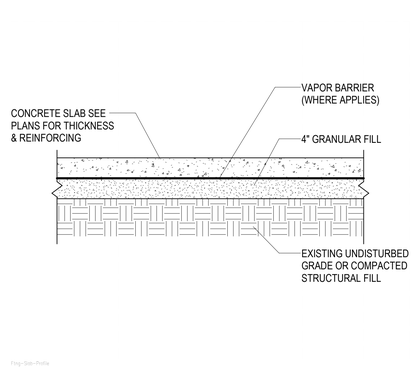
B3 / SB501 TYPICAL CONCRETE WALL ON CONCRETE FOOTING

NO SCALE



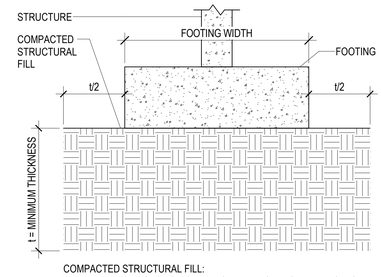
B4 / SB501 TYPICAL CONCRETE SLAB TO FOUNDATION WALL AT DOOR OPENING

NO SCALE



B5 / SB501 TYPICAL CONCRETE SLAB ON GRADE PROFILE

NO SCALE



A5 / SB501 TYPICAL COMPACTED STRUCTURAL FILL DETAIL

NO SCALE

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PROFESSIONAL STRUCTURAL ENGINEER
No. 8551927-2203
GRAHAM T. OXBORROW
STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TYPICAL FOOTING & FOUNDATION DETAILS

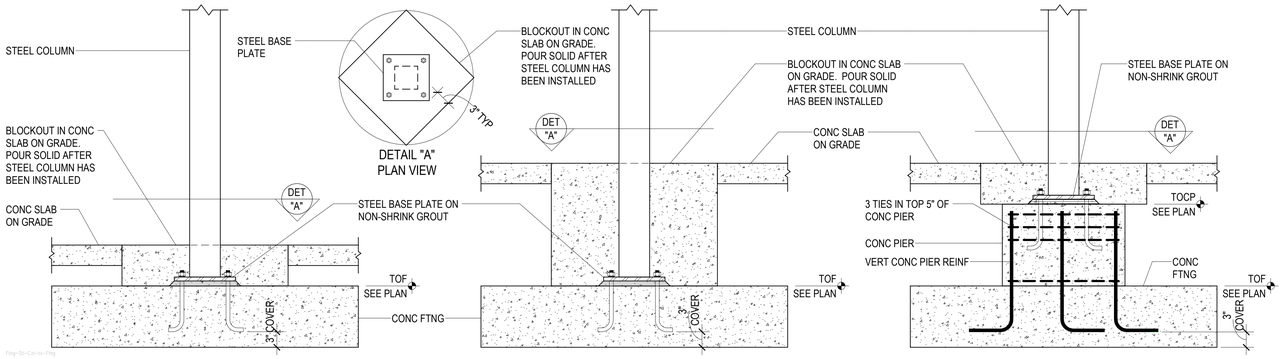
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

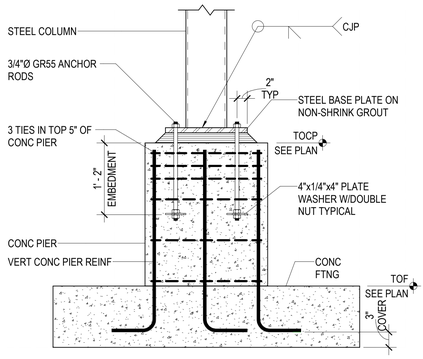
SHEET NUMBER:

SB501



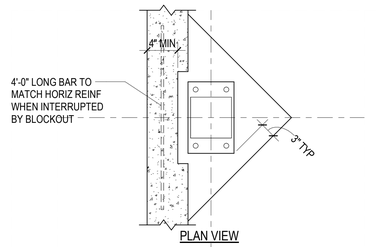
D1 SB502 TYPICAL STEEL COLUMN CONNECTION TO CONCRETE FOOTING/CONCRETE PIER

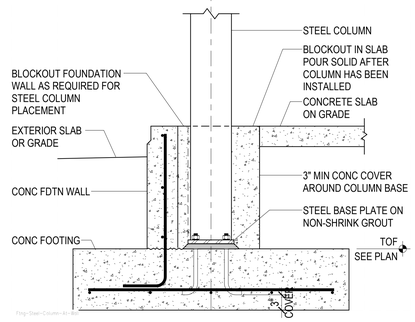
NO SCALE

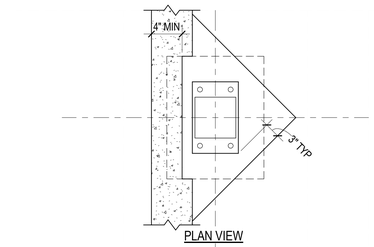


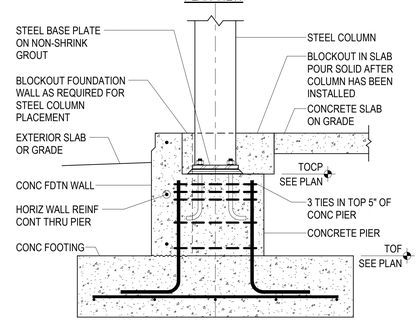
C1 SB502 TYPICAL DETAIL AT CANTILEVERED STEEL COLUMNS

NO SCALE



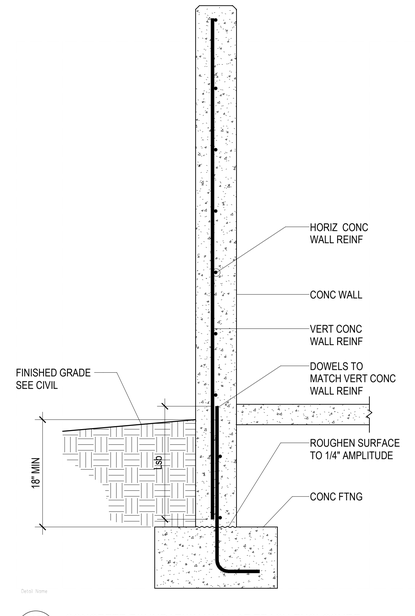






D4 SB502 TYPICAL STEEL COLUMN BASE AGAINST CONCRETE FOUNDATION WALL

NO SCALE



A5 SB502 CONCRETE FOUNDATION WALL AT TRASH ENCLOSURE

NO SCALE

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New Autodesk Docs:
5/21/2026 11:19:39 AMBuilding- S24.rvt

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SHEET NAME:

TYPICAL FOOTING & FOUNDATION DETAILS

REVISIONS

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CHECKED BY: **GO**
PROJECT#: **2023-41**

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Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New
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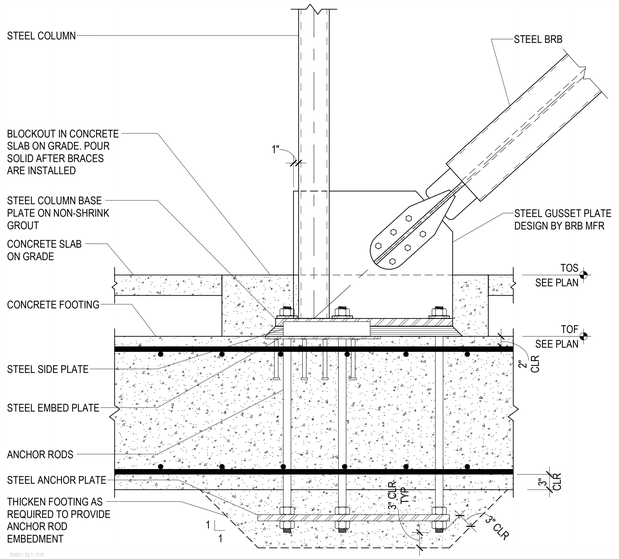
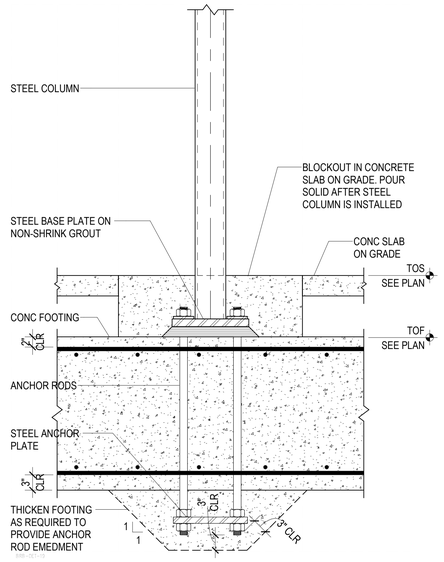


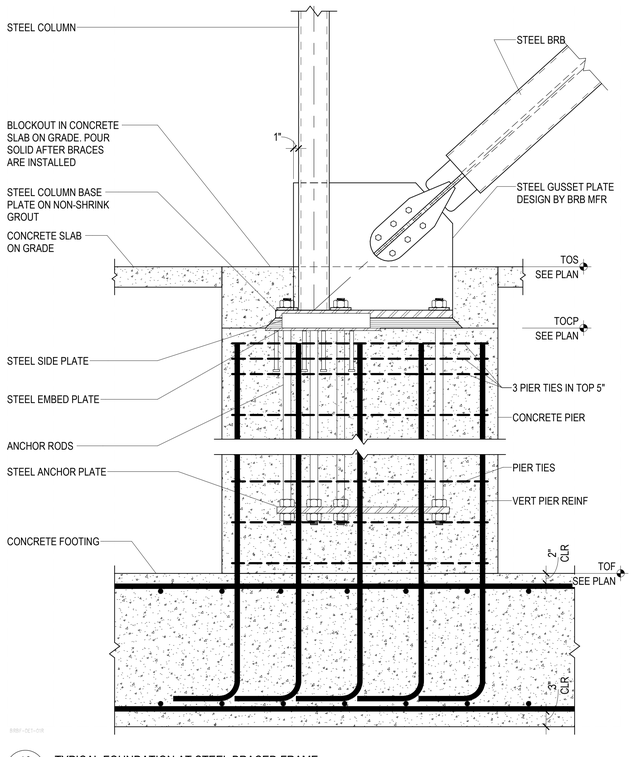
C3 / SB503 TYPICAL FOUNDATION AT STEEL BRACED FRAME

NO SCALE



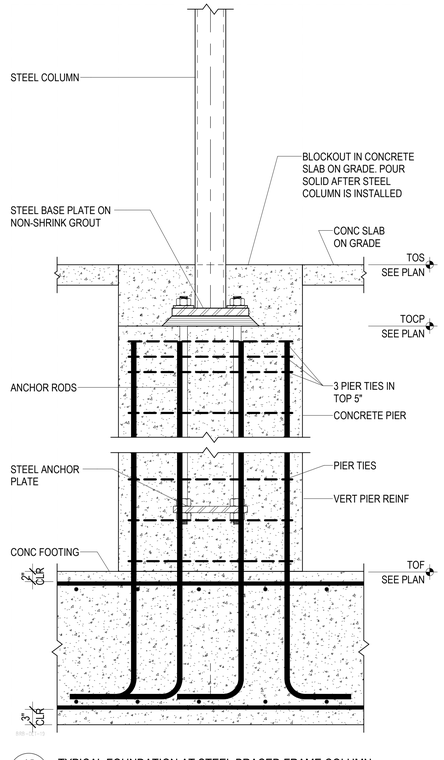
C5 / SB503 TYPICAL FOUNDATION AT STEEL BRACED FRAME COLUMN

NO SCALE



A3 / SB503 TYPICAL FOUNDATION AT STEEL BRACED FRAME

NO SCALE



A5 / SB503 TYPICAL FOUNDATION AT STEEL BRACED FRAME COLUMN

NO SCALE

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CHECKED BY: **Checker**
PROJECT#: **2023-41**

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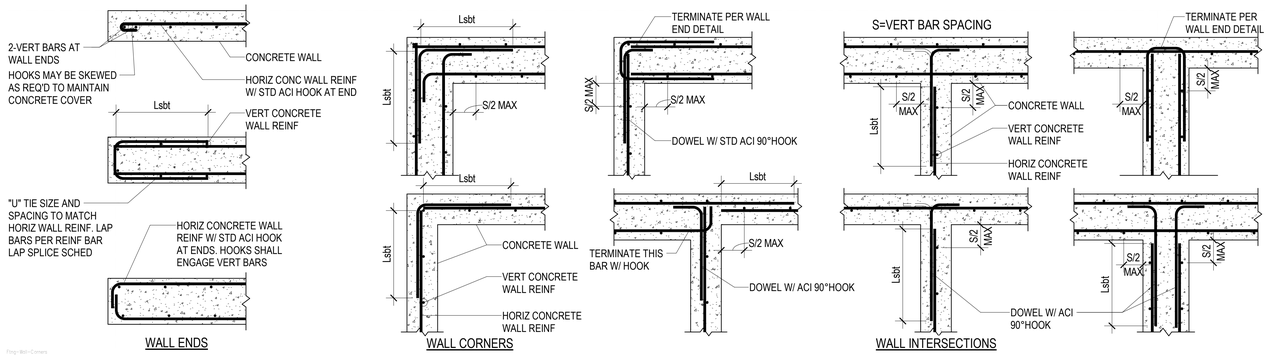
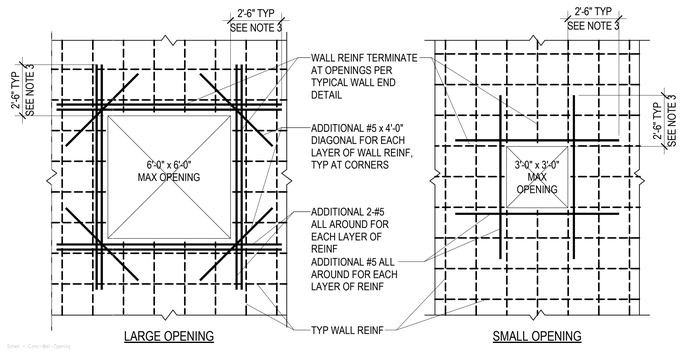
SB503



D2 SB601 TYPICAL CONCRETE WALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS (PLAN VIEWS)

NO SCALE

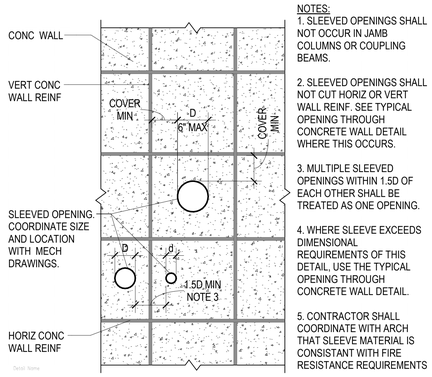


NOTES:

1. OMIT ADDED REINFORCEMENT SHOWN WHEN SPECIAL REINFORCEMENT INDICATED ON PLANS OR DETAILS, EXCEEDS THIS REINFORCEMENT.
2. CONTRACTOR SHALL VERIFY ALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS WITH THE STRUCTURAL ENGINEER BEFORE PLACEMENT.
3. WHEN EDGE OF CONCRETE CLOSE TO OPENING WILL NOT ALLOW THIS LENGTH TERMINATE AT EDGE WITH STANDARD HOOK.
4. WHERE MULTIPLE OPENINGS OCCUR WITHIN TWO TIMES THE OPENING DIMENSION, THE GROUP OF OPENINGS SHALL BE TREATED AS A SINGLE OPENING

C2 SB601 TYPICAL OPENINGS THROUGH CONCRETE WALLS

NO SCALE



NOTES:

1. SLEEVED OPENINGS SHALL NOT OCCUR IN JAMB COLUMNS OR COUPLING BEAMS.
2. SLEEVED OPENINGS SHALL NOT CUT HORIZ OR VERT WALL REINF. SEE TYPICAL OPENING THROUGH CONCRETE WALL DETAIL WHERE THIS OCCURS.
3. MULTIPLE SLEEVED OPENINGS WITHIN 1.5D OF EACH OTHER SHALL BE TREATED AS ONE OPENING.
4. WHERE SLEEVE EXCEEDS DIMENSIONAL REQUIREMENTS OF THIS DETAIL, USE THE TYPICAL OPENING THROUGH CONCRETE WALL DETAIL.
5. CONTRACTOR SHALL COORDINATE WITH ARCH THAT SLEEVE MATERIAL IS CONSISTANT WITH FIRE RESISTANCE REQUIREMENTS

C4 SB601 TYPICAL SLEEVED OPENING THROUGH CONCRETE WALL

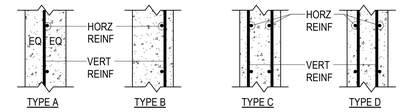
NO SCALE

CONCRETE FOUNDATION WALL SCHEDULE

MARK	THICK	HORIZONTAL REINFORCING	VERTICAL REINFORCING	T & B HORIZ. BARS	PLACEMENT
CFW-1	8"	#5 @ 15" O.C.	#4 @ 16" O.C.	1 - #5	TYPE A
CFW-2	1' - 3"	#5 @ 16" O.C. E.F.	#4 @ 16" O.C. E.F.	2 - #5	TYPE D
CFW-3	1' - 4"	#5 @ 18" O.C. E.F.	#4 @ 16" O.C. E.F.	2 - #5	TYPE D
CFW-4	1' - 6"	#5 @ 16" O.C. E.F.	#4 @ 16" O.C. E.F.	2 - #5	TYPE D

NOTES:
1. HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS THRU CONSTRUCTION & CONTROL JOINTS.
2. SPLICES IN HORIZONTAL WALL REINFORCING SHALL BE TYPE Lsbt, STAGGERED SUCH THAT SPLICES DO NOT OVERLAP. SPLICES IN TWO CURTAINS SHALL NOT OCCUR IN THE SAME LOCATION.

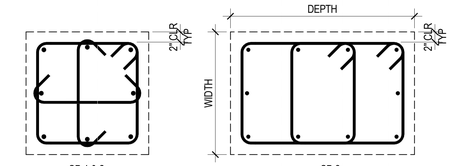
PLACEMENT TYPE



E.F. = EACH FACE
O.F. = OUTSIDE FACE (AGAINST SOIL)
I.F. = INSIDE FACE
3L = THREE LAYERS

CONCRETE PIER SCHEDULE

MARK	DIMENSIONS DEPTH	DIMENSIONS WIDTH	REINFORCING VERTICAL	REINFORCING TIES	REMARKS
CP-1 2	1' - 8"	1' - 8"	8 - #6	#4 @ 8" O.C.	3 TIES IN TOP 5"
CP-2	2' - 8"	2' - 8"	8 - #8	#4 @ 8" O.C.	3 TIES IN TOP 5"
CP-3	3' - 0"	2' - 0"	10 - #6	#4 @ 8" O.C.	3 TIES IN TOP 5"



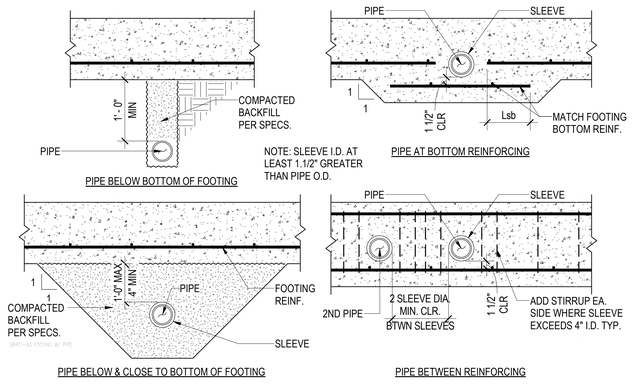
C5 SB601 CONCRETE PIER REINFORCEMENT/TIE DIAGRAM - PLAN

NO SCALE

CONCRETE FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICK	CROSSWISE REINFORCING NO.	CROSSWISE REINFORCING SIZE	CROSSWISE REINFORCING LENGTH	CROSSWISE REINFORCING SPACE	LENGTHWISE REINFORCING NO.	LENGTHWISE REINFORCING SIZE	LENGTHWISE REINFORCING LENGTH	LENGTHWISE REINFORCING SPACE	REMARKS
FC2.0	2' - 0"	CONT.	1' - 0"	--	NONE	REQ'D	--	3	#4	CONT.	9"	
FC3.0	3' - 0"	CONT.	1' - 0"	--	#5	2' - 6"	14"	3	#5	CONT.	15"	
FS4.0	4' - 0"	4' - 0"	1' - 0"	6	#4	3' - 6"	8.4"	6	#4	3' - 6"	8.4"	
FS4.0*	4' - 0"	4' - 0"	1' - 0"	6	#5	3' - 6"	8.4"	6	#5	3' - 6"	8.4"	TOP & BOT
FS5.0	5' - 0"	5' - 0"	1' - 0"	7	#4	4' - 6"	9"	7	#4	4' - 6"	9"	
FS6.0*	6' - 0"	6' - 0"	1' - 3"	7 1	#5	5' - 6"	13.2"	7 1	#5	5' - 6"	13.2"	TOP & BOT
FS6.5	6' - 6"	6' - 6"	1' - 3"	7	#5	6' - 0"	12"	7	#5	6' - 0"	12"	
FS8.0	8' - 0"	8' - 0"	1' - 7"	11	#5	7' - 6"	9"	11	#5	7' - 6"	9"	

1. PLACE ALL FOOTING REINFORCING IN BOTTOM OF FOOTING WITH 3" CLEAR CONCRETE COVER UNLESS NOTED OTHERWISE.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" CLEAR CONCRETE COVER.
3. SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS AND CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS, UNLESS NOTED OTHERWISE.
4. ALL FOOTINGS SHALL BE FORMED. FOOTINGS SHALL NOT BE EARTH FORMED OR OVERSIZED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.



A3 SB601 PIPES PENETRATING & ADJACENT TO FOOTINGS OR GRADE BEAMS

NO SCALE

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CONCRETE SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review
2	05/19/26	Permit Review Rev2

ISSUE DATE: **05/26/2026**
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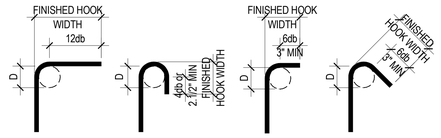


90° HOOK | 180° HOOK | 90° TIE HOOK | 135° TIE HOOK

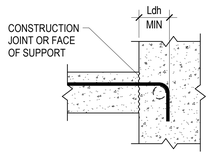
END HOOK SCHEDULE

BAR SIZE	STANDARD FINISHED HOOK WIDTH			SEISMIC FINISHED HOOK WIDTH		
	D	90° HOOK	180° HOOK	D	90° TIE HOOK	135° TIE HOOK
#3	2.1/4"	6"	3"	1.1/2"	4"	4.1/4"
#4	3"	8"	4"	2"	4.1/2"	4.1/2"
#5	3.3/4"	10"	5"	2.1/2"	6"	5.1/2"
#6	4.1/2"	12"	6"	4.1/2"	--	8"
#7	5.1/4"	14"	7"	5.1/4"	--	9"
#8	6"	16"	8"	6"	--	10.1/2"
#9	9.1/2"	19"	11.3/4"	--	--	--
#10	10.3/4"	22"	13.1/4"	--	--	--
#11	12"	24"	14.3/4"	--	--	--
#14	18.1/4"	31"	21.3/4"	--	--	--
#18	24"	41"	28.1/2"	--	--	--

Sched — End Hooks

D1 / SB602 REINFORCEMENT END HOOK SCHEDULE

NO SCALE



TENSION HOOK DEVELOPMENT LENGTH (Ldh)

BAR SIZE	NORMAL WEIGHT CONCRETE, f'c = PSI				
	3,000	4,000	4,500	5,000	6,000
#3	6"	6"	6"	6"	6"
#4	6"	6"	6"	6"	6"
#5	8"	8"	8"	8"	7"
#6	11"	10"	10"	10"	10"
#7	14"	13"	12"	12"	12"
#8	16"	15"	15"	15"	15"
#9	20"	18"	18"	18"	17"
#10	23"	22"	21"	21"	21"
#11	27"	26"	25"	25"	24"
#14	71"	66"	65"	64"	63"
#18	109"	102"	100"	98"	96"

NOTES:
1.SCHEDULE DOES NOT APPLY FOR THE FOLLOWING HOOKED BAR CASES:
a. BAR SPACING(s) LESS THAN 6db.
b. BARS TERMINATING IN A COLUMN CORE WITH SIDE COVER PERPENDICULAR TO PLANE OF HOOK LESS THAN 2.5 IN.
c. BARS WITH SIDE COVER PERPENDICULAR TO PLANE OF HOOK LESS THAN 6db.
d. BARS AT DISCONTINUOUS ENDS OF MEMBERS WITH SIDE, TOP, AND BOTTOM COVER TO HOOK LESS THAN 2.5 IN.

2. VALUES IN SCHEDULE ARE APPLICABLE TO GRADE 60 REINFORCING BARS
a. FOR GRADE 80 BARS, MULTIPLY VALUES BY 1.33.
b. FOR GRADE 100 BARS, MULTIPLY VALUES BY 1.67.

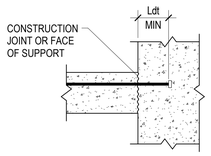
3. ADJUST VALUES AS NOTED FOR THE FOLLOWING CASES
a. FOR BARS COATED IN EPOXY AND/OR ZINC MULTIPLY VALUES BY 1.2.
b. FOR LIGHTWEIGHT CONCRETE MULTIPLY VALUES BY 1.33.

4. CASES NOT APPLICABLE TO THIS SCHEDULE SHALL BE IN ACCORDANCE WITH SECTION 25.4.3 OF ACI 318-19

Sched — Concrete Hooks

C2 / SB602 TENSION HOOK DEVELOPMENT SCHEDULE

NO SCALE



TENSION HEADED BAR DEVELOPMENT LENGTH (Ldt)

BAR SIZE	NORMAL WEIGHT CONCRETE, f'c = PSI				
	3,000	4,000	4,500	5,000	6,000
#3	6"	6"	6"	6"	6"
#4	6"	6"	6"	6"	6"
#5	6"	6"	6"	6"	6"
#6	8"	8"	7"	7"	7"
#7	10"	9"	9"	9"	9"
#8	12"	11"	11"	11"	11"
#9	14"	14"	13"	13"	13"
#10	17"	16"	16"	16"	15"
#11	20"	19"	18"	18"	18"

NOTES:
1. SCHEDULE DOES NOT APPLY FOR THE FOLLOWING HEADED BAR CASES:
a. BAR SPACING(s) LESS THAN 6db.
b. BARS TERMINATING IN A COLUMN CORE WITH SIDE COVER PERPENDICULAR TO PLANE OF HEADED BAR LESS THAN 2.5 IN.
c. BARS WITH SIDE COVER PERPENDICULAR TO PLANE OF HEADED BAR LESS THAN 6db.

2. VALUES IN SCHEDULE ARE APPLICABLE TO GRADE 60 REINFORCING BARS.
a. FOR GRADE 80 BARS, MULTIPLY VALUES BY 1.33.
b. FOR GRADE 100 BARS, MULTIPLY BY VALUES 1.67

3. FOR EPOXY AND/OR ZINC COATED BARS MULTIPLY VALUES BY 1.2

4. CASES NOT APPLICABLE TO THIS SCHEDULE SHALL BE IN ACCORDANCE WITH SECTION 25.4.4. OF ACI 318-19

5. TENSION HEADED REINFORCING BARS SHALL CONFORM TO SECTION 25.4.4.1 OF ACI 319-19.

Sched — Concrete Hooks

C3 / SB602 TENSION HEADED BAR DEVELOPMENT SCHEDULE

NO SCALE

CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTH SCHEDULE

BAR SIZE	f'c = 3000 PSI				f'c = 4000 PSI				f'c = 4500 PSI				f'c = 5000 PSI				f'c = 6000 PSI				f'c = ALL	
	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ldc	Lsc
#3	17"	22"	22"	28"	15"	19"	19"	25"	14"	18"	18"	23"	13"	17"	17"	22"	12"	16"	16"	20"	8"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"	10"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"	12"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"	15"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"	17"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"	19"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"	22"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"	24"	39"
#11	78"	101"	101"	131"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"	27"	43"
#14	93"	121"	NA	NA	81"	105"	NA	NA	76"	99"	NA	NA	72"	94"	NA	NA	66"	86"	NA	NA	33"	NA
#18	124"	161"	NA	NA	108"	140"	NA	NA	101"	132"	NA	NA	96"	125"	NA	NA	88"	114"	NA	NA	43"	NA

NOTES:
1. DEFINITIONS:
Ld: TENSION DEVELOPMENT LENGTH FOR REINFORCEMENT SATISFYING THE FOLLOWING CONDITIONS:
SLABS AND WALLS: CLEAR SPACING > 2db AND CONCRETE CLEAR COVER > db
BEAMS AND COLUMNS: CLEAR COVER SPACING > db AND CONCRETE CLEAR COVER > db
Lt: DEVELOPMENT LENGTH FOR TOP BARS IN TENSION
Lsb: TENSION LAP SPLICE LENGTH FOR OTHER THAN TOP BARS (CLASS B)
Lsbt: TENSION LAP SPLICE LENGTH OF TOP BARS.
Ldc: DEVELOPMENT LENGTH FOR BARS IN COMPRESSION. TO BE USED ONLY WHEN SPECIFIED IN DETAILS.
Lsc: TIED COLUMN LAP SPLICE IN COMPRESSION. TO BE USED ONLY WHEN SPECIFIED IN DETAILS.
db: NOMINAL BAR DIAMETER (INCHES)
TOP BARS: HORIZONTAL BEAM REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW

2. MULTIPLY VALUES IN SCHEDULE BY 1.5 IF CLEAR SPACING OR CONCRETE COVER DO NOT MEET REQUIREMENTS FOR Ld IN NOTE 1.

3. MULTIPLY VALUES IN SCHEDULE BY 1.3 FOR USE IN LIGHTWEIGHT AGGREGATE CONCRETE.

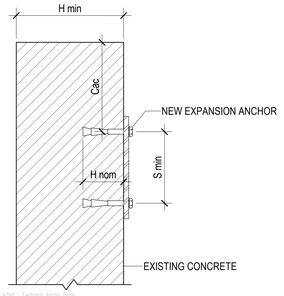
4. FOR EPOXY COATED BAR: MULTIPLY VALUES IN SCHEDULE BY 1.5 FOR BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 6db. OTHERWISE MULTIPLY VALUES BY 1.2.

5. a. FOR BUNDLED BARS OF THREE OR LESS MULTIPLY LENGTHS BY 1.2.
b. FOR BUNDLED BARS OF FOUR OR MORE MULTIPLY LENGTHS BY 1.33.
c. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.

6. SCHEDULE LENGTHS ARE FOR fy=60ksi REINFORCING, MULTIPLY LENGTHS BY 1.53 FOR fy=80ksi, 2.17 FOR fy=100ksi REINFORCING.

7. LAP SPLICES ARE NOT PERMITTED FOR #14 & #18 BARS. USE BAR COUPLERS PER G.S.N.

8. MINIMUM CLEAR SPACING BETWEEN THE CONTACT LAP SPLICES SHOWN IN THIS SCHEDULE AND ADJACENT SPLICES OR BARS SHALL BE IN ACCORDANCE WITH THE DETAILING PROVISIONS OF GENERAL STRUCTURAL NOTES.



Sched — Expansion Anchors

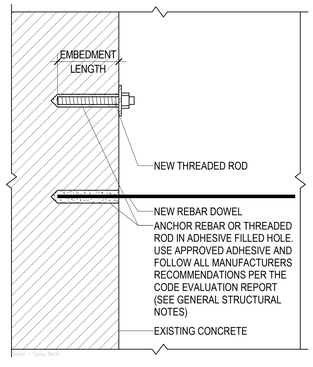
B4 / SB602 EXPANSION ANCHORS IN CONCRETE SCHEDULE

NO SCALE

EXPANSION ANCHORS IN CONCRETE SCHEDULE

ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	6.1/2"	2.7/8"	4.1/2"	3.3/4"
1/2"Ø	10"	3.7/8"	6"	5"
5/8"Ø	10"	5.1/8"	8"	6"
3/4"Ø	16"	5.3/4"	10"	7"

NOTES:
1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS. ANCHORS AT OTHER LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING EXPANSION ANCHORS.



Sched — Epoxy Dowel

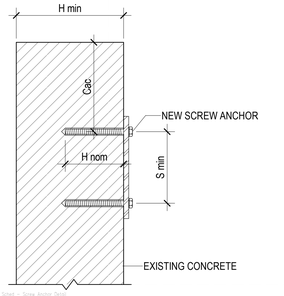
ADHESIVE ANCHORS IN CONCRETE SCHEDULE

REINFORCING BAR		THREADED ROD	
DOWEL SIZE	EMBEDMENT LENGTH (SEE NOTE #2)	SIZE	EMBEDMENT LENGTH (SEE NOTE #2)
#3	4"	3/8"Ø	4.1/2"
#4	6"	1/2"Ø	6"
#5	9"	5/8"Ø	7.1/2"
#6	10"	3/4"Ø	9"
#7	12.1/2"	7/8"Ø	10.1/2"
#8	13"	1"Ø	12"
#9	14"	1.1/4"Ø	15"
#10	18"		
#11	19"		

NOTES:
1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EMBEDMENT LENGTHS SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER EMBEDMENT LENGTHS IN THIS SCHEDULE.
3. WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER IS NOT SUFFICIENT TO ACHIEVE SCHEDULED EMBEDMENT AND SPECIFIED CLEAR COVER FOR THE ANCHOR, CONTACT THE STRUCTURAL ENGINEER.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ADHESIVES AND OTHER REQUIREMENTS FOR ADHESIVE ANCHORING.

A2 / SB602 ADHESIVE ANCHORS IN CONCRETE SCHEDULE

NO SCALE



Sched — Screw Anchor Detail

A4 / SB602 SCREW ANCHORS IN CONCRETE SCHEDULE

NO SCALE

SCREW ANCHORS IN CONCRETE SCHEDULE

ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	3.3/4"	3.1/4"	5"	3"
1/2"Ø	4.1/2"	4"	6.1/4"	3.1/2"
5/8"Ø	6.3/8"	5.1/2"	8.1/2"	3.3/4"
3/4"Ø	7.5/16"	6.1/4"	10"	4.1/2"

NOTES:
1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION..
4. SPECIAL INSPECTION IS REQUIRED DURING INSTALLATION OF ALL SCREW ANCHORS PER THE CODE EVALUATION REPORT FOR THE ANCHOR AND THE QUALITY ASSURANCE SECTION OF THE GENERAL STRUCTURAL NOTES.
5. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING SCREW ANCHORS.
6. SCREW ANCHORS SHALL ONLY BE USED IN INTERIOR DRY LOCATIONS

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4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

REINFORCING SCHEDULES

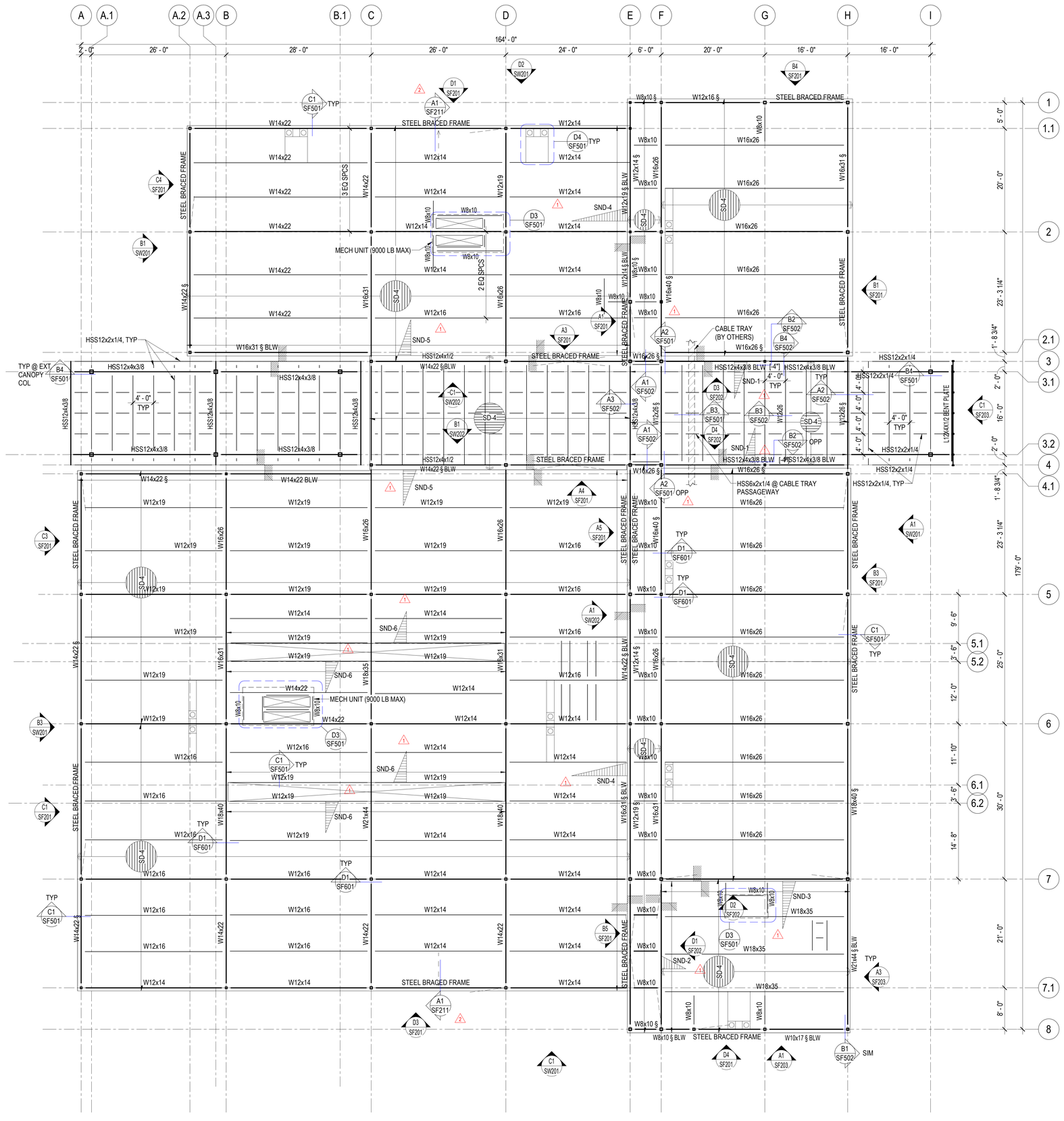
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

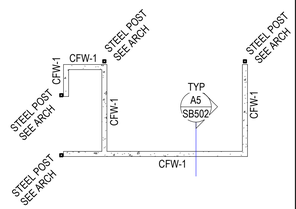
SB602



A1 / SF101 ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

TOS = ELEVATION VARIES



A5 / SF101 TRASH ENCLOSURE - TOP OF WALL

SCALE: 1/8" = 1'-0"

NON-COMPOSITE FRAMING PLAN NOTES

1. SEE STEEL DECK SCHEDULE ON SHEET SF603 FOR DECK PROFILE AND DECK ATTACHMENT REQUIREMENTS.

2. PROVIDE FRAMING AT OPENINGS THROUGH STEEL DECK PER DETAIL D1/SF501\R ROUND OPENINGS LESS THAN 12 INCHES IN DIAMETER SEE DETAIL D2/SF501

3. VERIFY SIZE WEIGHT, LOCATION AND CONFIGURATION OF ALL ROOF TOP EQUIPMENT WITH ARCHITECT AND MECHANICAL ENGINEER. PROVIDE STEEL FRAMES FOR SUPPORT OF ROOF TOP EQUIPMENT PER DETAIL D3/SF501\ORDINATE OPENINGS WITH MECHANICAL & ELECTRICAL.

4. SEE DETAIL FOR SUPPORT OF HANGING MECHANICAL LC5/SF501

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GRAHAM T. OXBORROW
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4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ROOF FRAMING PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review
2	05/19/26	Permit Review Rev2

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SF101

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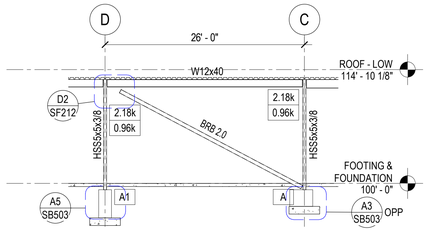
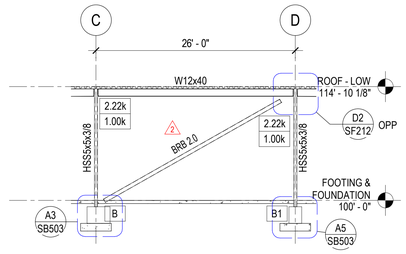


D1 / SF201 BRACED FRAME ELEVATION GRID-1.1

SCALE: 1/8" = 1'-0"



D3 / SF201 BRACED FRAME ELEVATION GRID-8.1

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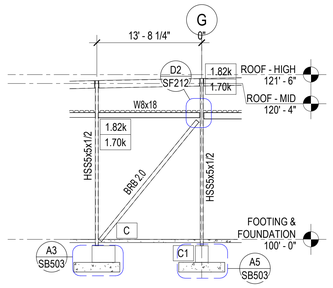
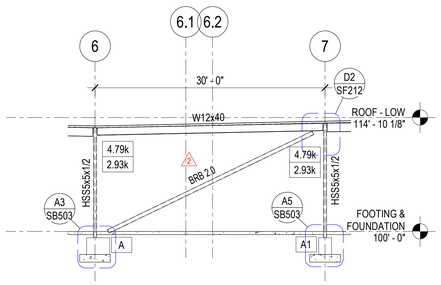


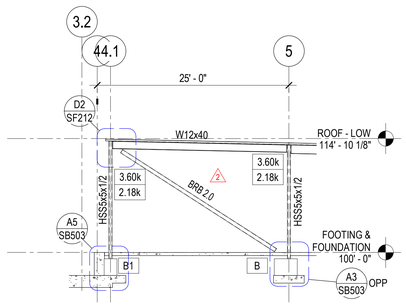
D4 / SF201 BRACED FRAME ELEVATION GRID-9

SCALE: 1/8" = 1'-0"



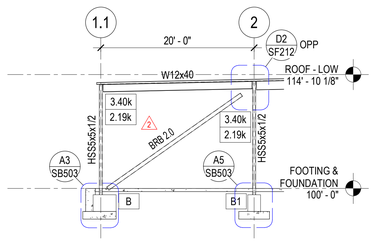
C1 / SF201 BRACED FRAME ELEVATION GRID-A

SCALE: 1/8" = 1'-0"



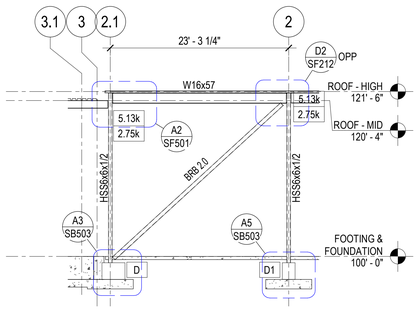
C3 / SF201 BRACED FRAME ELEVATION GRID-A

SCALE: 1/8" = 1'-0"



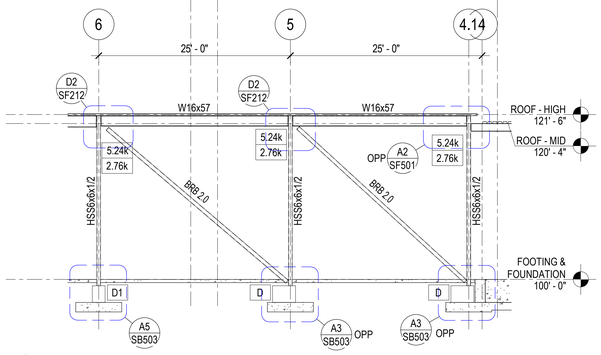
C4 / SF201 BRACED FRAME ELEVATION GRID-A.1

SCALE: 1/8" = 1'-0"



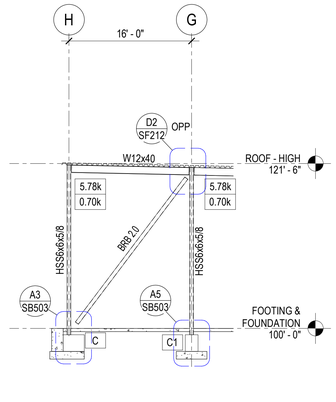
B1 / SF201 BRACED FRAME ELEVATION GRID-H

SCALE: 1/8" = 1'-0"



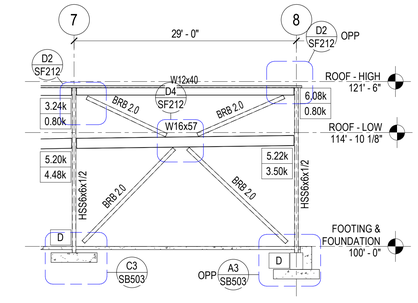
B3 / SF201 BRACED FRAME ELEVATION GRID-H

SCALE: 1/8" = 1'-0"



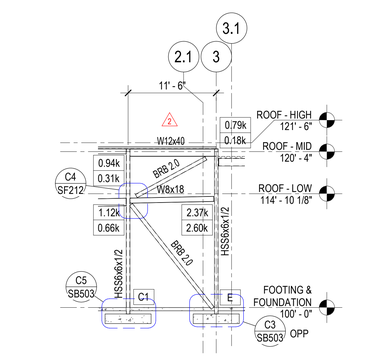
B4 / SF201 BRACED FRAME ELEVATION GRID-1

SCALE: 1/8" = 1'-0"



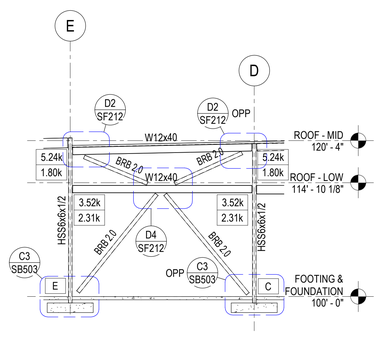
B5 / SF201 BRACING ANGLE ELEVATIONS - GRID E

SCALE: 1/8" = 1'-0"



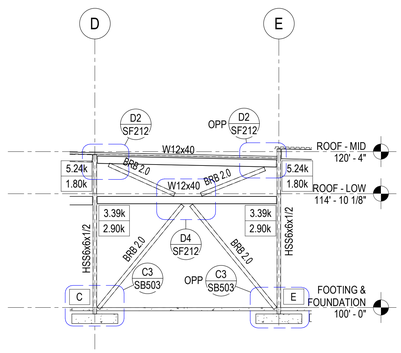
A1 / SF201 BRACING ANGLE ELEVATIONS - GRID E

SCALE: 1/8" = 1'-0"



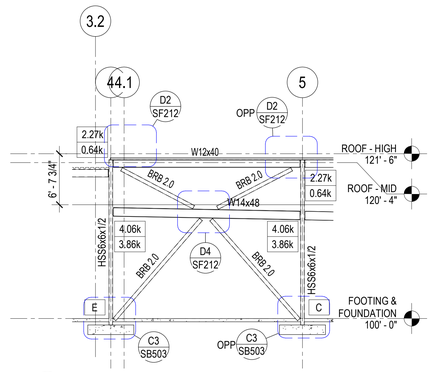
A3 / SF201 BRACING ANGLE ELEVATIONS - GRID 3

SCALE: 1/8" = 1'-0"



A4 / SF201 BRACING ANGLE ELEVATIONS - GRID 5

SCALE: 1/8" = 1'-0"



A5 / SF201 BRACING ANGLE ELEVATIONS - GRID E

SCALE: 1/8" = 1'-0"

BUCKLING-RESTRAINED BRACED FRAME NOTES AND LEGEND

1. [Z] -INDICATES BRACED FRAME COLUMN BASE PLATE TYPE. SEE SF211
2. [DEAD / LIVE] -INDICATED LOADS ARE GRAVITY BEAM END REACTIONS AT GUSSET PLATE, KIPS
3. BRB SUPPLIER SHALL PROVIDE THE DESIGN OF BRACES, CONNECTIONS, WELDS AND GUSSET PLATES, INCLUDING DETAILS AND SCHEDULES IN ACCORDANCE WITH AISC 341 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS. DESIGN SHALL INCLUDE THE EFFECTS OF UNBALANCED BRACE FORCES AND GRAVITY BEAM END REACTIONS. DESIGN SHALL CALCULATE WEB BUCKLING AND CRIPPLING, AND SHALL PROVIDE WEB STIFFENER PLATES, AS NEEDED. BRB INFORMATION SHOWN ON CONSTRUCTION DOCUMENTS RELATING TO BRACES, CONNECTIONS, AND GUSSET PLATES OF SUCH ARE INFLUDED FOR GENERAL DESIGN CONCEPT AND BIDDING PURPOSES.
4. "BRB X.X" INDICATES THE CROSS SECTIONAL AREA OF THE YIELDING SEGMENT OF THE STEEL CORE (Asc, IN SQUARE INCHES) THAT SHALL BE PROVIDED.
5. YIELD STRESS OF STEEL CORE (Fysc) SHALL BE VERIFIED BY COUPON TESTING AND SHALL HAVE A RANGE OF 42 KSI ± 4 KSI
6. BRACE CONNECTIONS SHALL BE DESIGNED TO RESIST FORCES CALCULATED BASED UPON THE ADJUSTED BRACE STRENGTH, USING THE FOLLOWING FACTORS:
   MAX COMPRESSION STRENGTH FACTOR ß=1.13
   MAX STRAIN HARDENING FACTOR. w=1.28
7. STIFFNESS MODIFICATION FACTORS (Kf) ARE BASED ON WORKPOINT DIMENSIONS AND SHALL BE WITHIN 10% OF THOSE INDICATED.
8. BRACES SHALL BE DESIGNED, TESTED AND DETAILED TO ACCOMMODATE DEFORMATIONS CORRESPONDING TO A STORY DRIFT OF AT LEAST 2% OF THE STORY HEIGHT OR TWO TIMES THE DESIGN STORY DRIFT INDICATED IN THE GENERAL STRUCTURAL NOTES, WHICHEVER IS LARGER.
9. BRB SUPPLIER SHALL PROVIDE CASING SIZES WITH MAXIMUM DIMENSIONS OF 8" VERTICAL AND 8" HORIZONTAL. ALL CONNECTIONS SHALL BE BOLTED, UNO.
10. PROTECTED ZONES OF BRB'S AND CONNECTIONS SHALL COMPLY WITH DETAIL A3/SF213
11. GUSSET PLATE STIFFENERS SHALL BE WELDED TO GUSSET PLATE WITH 1/4" MIN. FILLET WELDS ON EACH SIDE.
12. VERIFY ALL DATUM ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

BUCKLING RESTRAINED BRACED FRAME ELEVATIONS

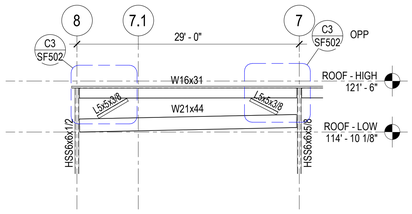
REVISIONS

MARK	DATE	DESCRIPTION
2	05/19/26	Permit Review Rev2

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

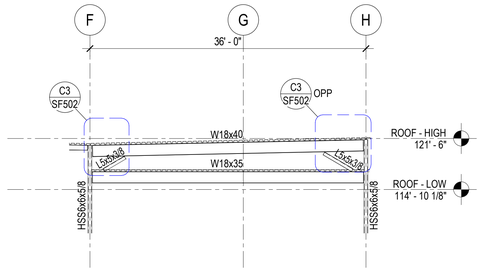
SHEET NUMBER:

SF201



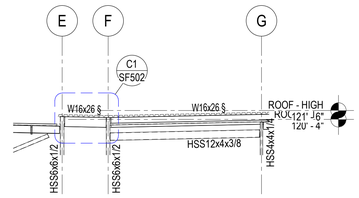
D1 SF202 BRACING ANGLE ELEVATIONS - GRID F

SCALE: 1/8" = 1'-0"



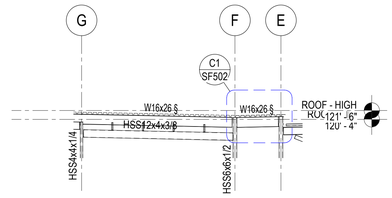
D2 SF202 BRACING ANGLE ELEVATIONS - GRID 8

SCALE: 1/8" = 1'-0"



D3 SF202 LATERAL BEAM ELEVATIONS - GRID 3

SCALE: 1/8" = 1'-0"



D4 SF202 LATERAL BEAM ELEVATIONS - GRID 4

SCALE: 1/8" = 1'-0"

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

BRACE ANGLE ELEVATIONS

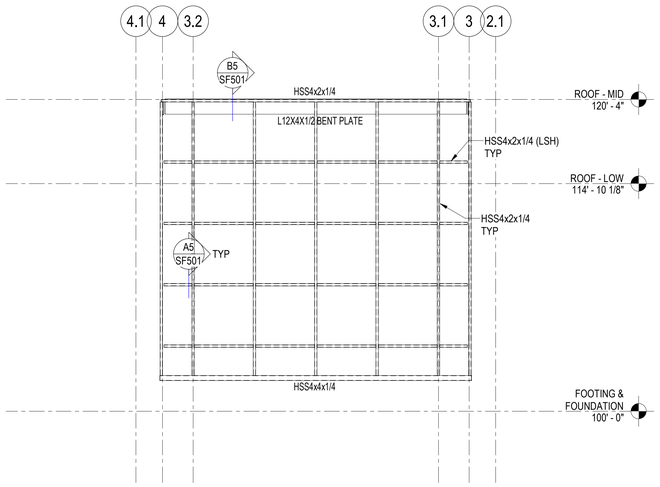
REVISIONS

MARK	DATE	DESCRIPTION

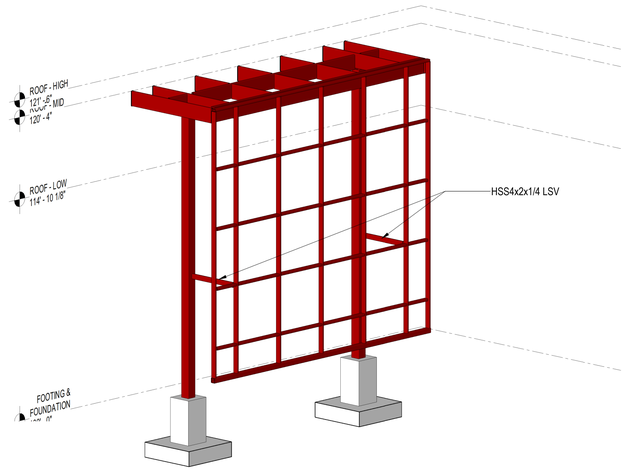
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

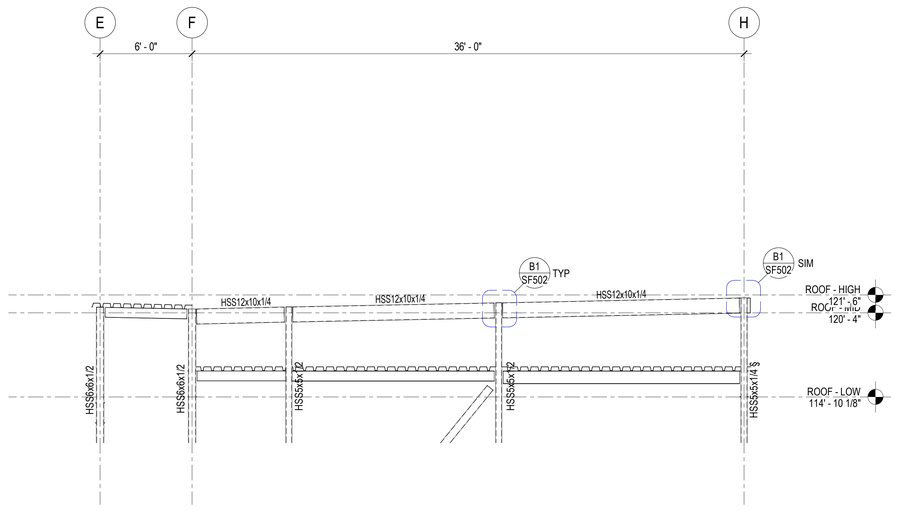
SF202



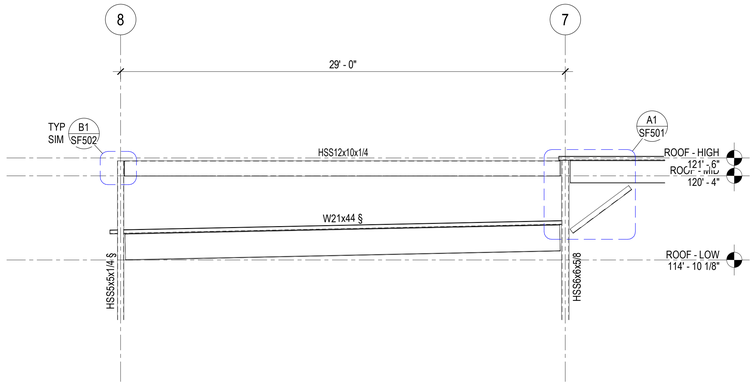
C1 SF203 WIND SCREEN ELEVATION
SCALE: 1/4" = 1'-0"



C3 SF203 WIND SCREEN - 3D
SCALE:



A1 SF203 SOUTH MECH AREA WIND GIRT ELEVATION VIEW
SCALE: 1/4" = 1'-0"



A3 SF203 EAST MECH AREA WIND GIRT ELEVATION VIEW
SCALE: 1/4" = 1'-0"

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Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STRUCTURAL ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	05/26/2026
ISSUE TYPE:	CONFORMED SET
DRAWN BY:	MC
CHECKED BY:	GO
PROJECT#:	2023-41

SHEET NUMBER:

SF203

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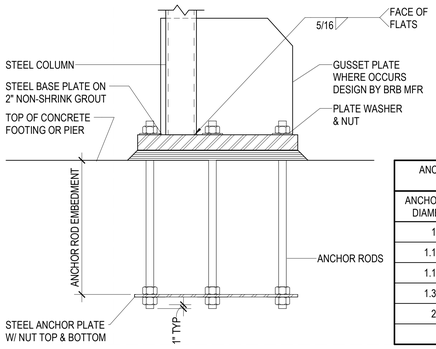
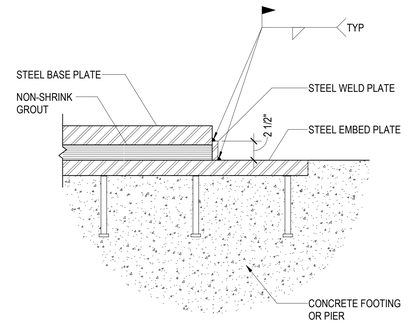
BRACED FRAME COLUMN BASE PLATE SCHEDULE

MARK	BASE PLATE						ANCHOR RODS				ANCHOR PLATE THICKNESS	SIDE PLATE		EMBED PLATE		
	TYPE	N LENGTH	B WIDTH	THICKNESS	A DIM	C DIM	TOTAL NUMBER	DIAMETER	EMBED DEPTH	GRADE		DIMENSIONS	WELD SIZE	L LENGTH	W WIDTH	THICKNESS
A	TYPE 2	--	11"	3/4"	1.1/2"	5.1/2"	6	3/4"	14"	55	3/8"	3/8"x11"	1/4	16"	22"	3/8"
A1	TYPE 1	11"	11"	3/4"	1.1/2"	--	4	3/4"	14"	55	3/8"	--	--	--	--	--
B	TYPE 2	--	11"	3/4"	1.1/2"	5.1/2"	6	3/4"	16"	55	1/2"	3/8"x11"	1/4	16"	16"	3/8"
B1	TYPE 1	11"	11"	3/4"	1.1/2"	--	4	3/4"	16"	55	1/2"	--	--	--	--	--
C	TYPE 2	--	13"	1"	1.1/2"	6.1/2"	6	7/8"	19"	55	1/2"	3/8"x9"	1/4	16"	16"	3/8"
C1	TYPE 1	13"	13"	1"	1.1/2"	--	4	7/8"	19"	55	1/2"	--	--	--	--	--
D	TYPE 2	--	13"	7/8"	1.1/2"	6.1/2"	6	7/8"	18"	55	1/2"	3/8"x9"	1/4	16"	16"	3/8"
D1	TYPE 1	13"	13"	7/8"	1.1/2"	--	4	7/8"	18"	55	1/2"	--	--	--	--	--
E	TYPE 3	13"	13"	1"	1.1/2"	--	8	7/8"	19"	55	1/2"	3/8"x9"	1/4	16"	16"	3/8"

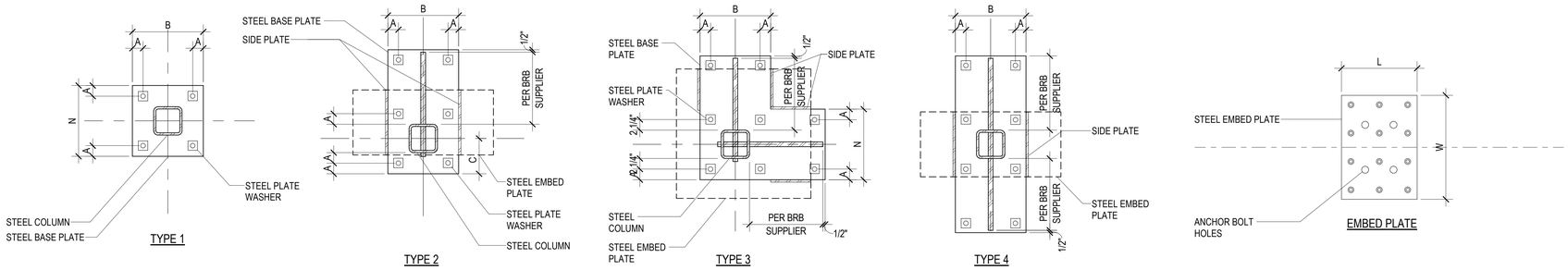
NOTES:
1. ALL STEEL BASE PLATES, ANCHOR PLATES AND EMBED PLATES SHALL BE ASTM A572 GRADE 50, U.N.O.
2. ANCHOR RODS SHALL BE ASTM F1554 WITH GRADE AS INDICATED IN SCHEDULE.
3. ANCHOR PLATE DIMENSIONS SHALL MATCH THE BASE PLATE DIMENSIONS AND TYPE.
4. PLACE A 3" DIAMETER HOLE NEAR THE CENTER OF THE EMBED PLATE AND ANCHOR PLATE TO AID IN CONCRETE PLACEMENT.
5. SEE D5/SF211R STEEL WELD PLATE CONNECTION.
6. PROVIDE HOLES IN EMBED PLATE FOR ANCHOR RODS.
7. PROVIDE 3/4"Ø x 8" LONG HSA AT EMBED PLATE. SPACE AT 6" O.C. EACH WAY AND 2" FROM THE EDGE.



ANCHOR ROD HOLE SIZES AND MINIMUM PLATE WASHER DIMENSION		
ANCHOR ROD DIAMETER	MAX HOLE DIAMETER	PLATE WASHER
1"	1.13/16"	3"x3/8"x3"
1.1/4"	2.1/16"	3"x1/2"x3"
1.1/2"	2.5/16"	3.1/2"x1/2"x3.1/2"
1.3/4"	2.3/4"	4"x5/8"x4"
2"	3.1/4"	5"x3/4"x5"



D5 / SF211 TYPICAL WELD PLATE DETAIL
NO SCALE

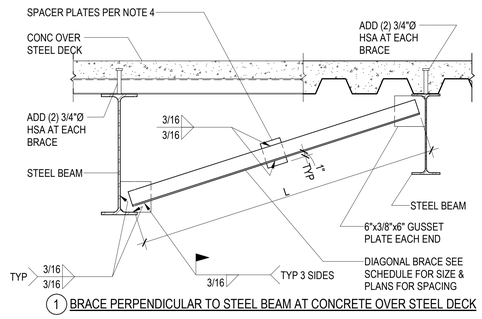


C1 / SF211 TYPICAL BRACED FRAME BASE PLATE DETAILS AND SCHEDULE
NO SCALE

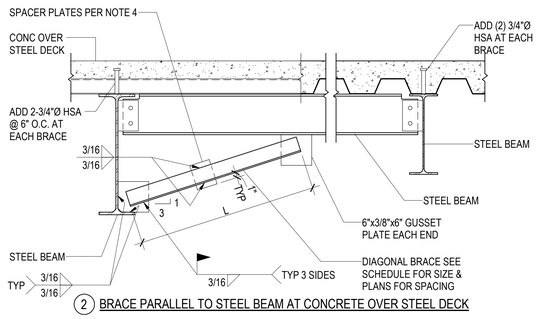
DIAGONAL BRACE SCHEDULE

BEAM SIZE	BRACE SIZE		MAX BRACE SPACING
	L ≤ 8'-0"	L ≤ 12'-0"	
W16x57	L3x3x1/4	2-L4x4x1/4	13'-4" O.C.
W12x40	L3x3x1/4	2-L4x4x1/4	16'-2" O.C.

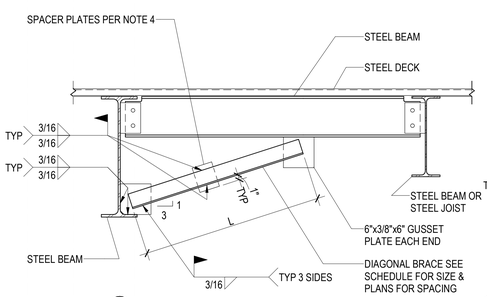
NOTES:
1. AT CONTRACTOR'S OPTION, BRACING ANGLES MAY BE ATTACHED TO GUSSET PLATES WITH (2) 7/8"Ø A325 PRETENSIONED BOLTS EACH END IN LIEU OF WELDING. PROVIDE A BOLT SPACING OF 3" AND A MINIMUM EDGE DISTANCE OF 2" IN THE DIAGONAL BRACE AND THE GUSSET PLATE. INCREASE THE GUSSET PLATE SIZE OR ADD GUSSET PLATES AS REQUIRED.
2. SLAB EDGE KICKERS SHALL ALIGN WITH LFRS BRACES, AND THE LFRS BRACE SIZE SHALL SUPERCEDE THE BACK SIDE BRACE SIZE SHOWN IN THE TYPICAL BRACED SLAB EDGE DETAILS.
3. ALL BOLTS AT STEEL BEAMS PARALLEL TO BRACES SHALL USE PRE-TENSIONED BOLTS
4. USE 3"x3/8" SPACER PLATES @ 32" O.C. MAX WHERE BRACE LENGTH ≤ 8'-0" OR 48" O.C. MAX WHERE BRACE LENGTH ≤ 12'-0"



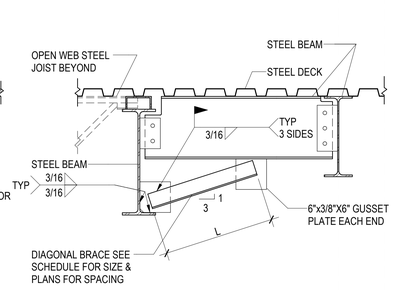
1 BRACE PERPENDICULAR TO STEEL BEAM AT CONCRETE OVER STEEL DECK



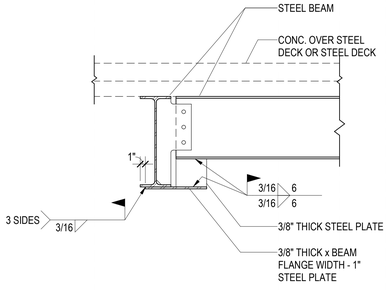
2 BRACE PARALLEL TO STEEL BEAM AT CONCRETE OVER STEEL DECK



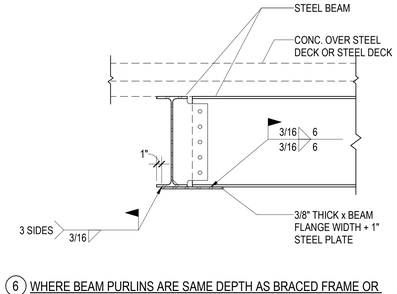
3 BRACE PARALLEL TO STEEL BEAM AT STEEL DECK



4 BRACE PARALLEL TO STEEL BEAM AT STEEL DECK AT DROPPED BEAM



5 WHERE PURLIN DEPTH < 6" FROM BRACED BEAM



6 WHERE BEAM PURLINS ARE SAME DEPTH AS BRACED FRAME OR MOMENT FRAME BEAM

A1 / SF211 TYPICAL LATERAL FORCE RESISTING SYSTEM BEAM DIAGONAL BRACE DETAILS & SCHEDULE
NO SCALE

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021 0089D DFCM Richfield Regional Center New
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ARCHITECT / CONSULTANT

PROFESSIONAL STRUCTURAL ENGINEER
No. 8551927-2203
GRAHAM T. OXBORROW
STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

BRACED FRAME DETAILS

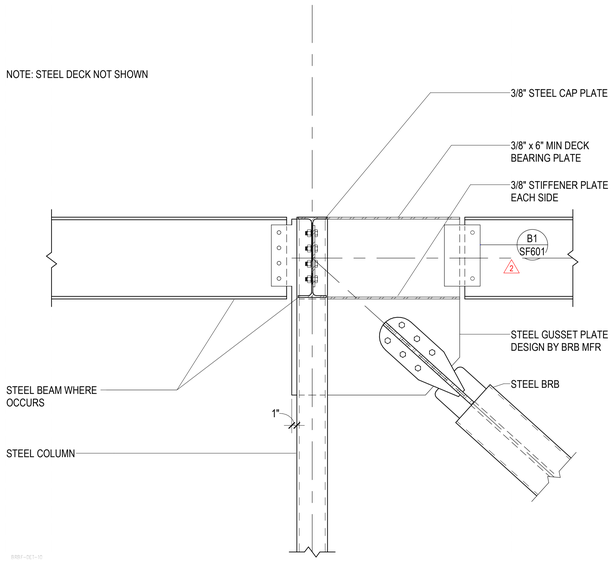
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review
2	05/19/26	Permit Review Rev2

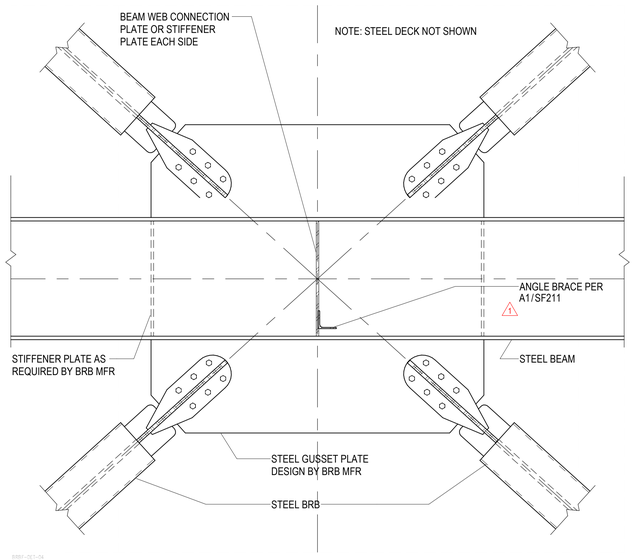
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SF211



D2 SF212 TYPICAL BUCKLING-RESTRAINED BRACE CONNECTION
NO SCALE



D4 SF212 TYPICAL BUCKLING-RESTRAINED BRACE CONNECTION
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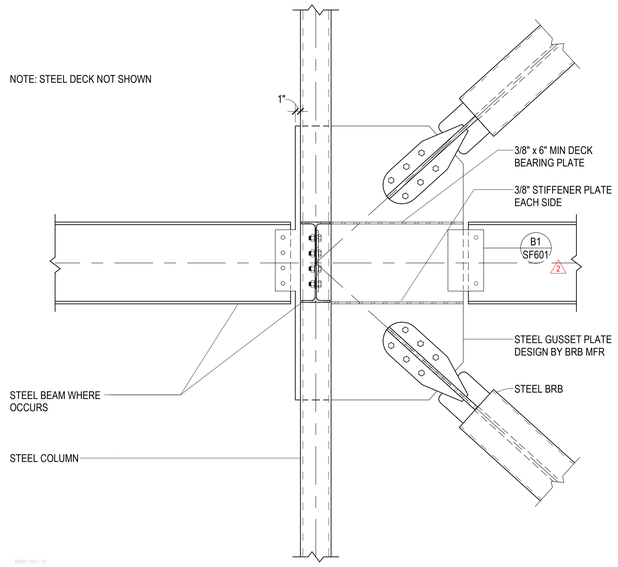

C4 SF212 TYPICAL BUCKLING-RESTRAINED BRACE CONNECTION
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COREBRACE BUCKLING RESTRAINED BRACE (BRB) LUG SCHEDULE

NOTES:
1. CORE MATERIAL SHALL BE ASTM GR A36 SELECTED TO PROVIDE A MINIMUM TENSILE YIELD STRENGTH OF 38 ksi AND A MAXIMUM TENSILE YIELD STRENGTH OF 48 ksi.
2. BRB SUPPLIER SHALL DESIGN BRACE CONNECTIONS IN ACCORDANCE WITH AISC 341-16.
3. BRB SUPPLIER SHALL PROVIDE TEST RESULTS FOR SIMILAR BRACES IN ACCORDANCE WITH AISC 341-16.
4. BRB SUPPLIER SHALL PROVIDE TESTED OVERSTRENGTH FACTORS FOR COMPRESSION STRENGTH ADJUSTMENT (β) AND STRAIN HARDENING (ω) WITHIN THE VALUES SHOWN IN THE TABLE BELOW AND SHALL CONSIDER LENGTH EFFECTS FOR BRACES LONGER THAN 35'. OVERSTRENGTH FACTORS TO BE DETERMINED AT THE GREATER OF 2x DESIGN STORY DRIFT AND 2% STORY DRIFT PER AISC 341-16.
5. BOLTS TO CONFORM TO ASTM F3125 Gr.A490/F2280 SC OR ASTM F3148 TNA WITH CLASS A FAYING SURFACE
6. FOR GUSSET GEOMETRY NOTATIONS, SEE DETAIL CUTS ON XXX SERIES SHEETS.
7. GUSSET AND WELD SIZES SHOWN ARE APPROXIMATE VALUES. FINAL VALUES TO BE COORDINATED WITH COREBRACE.
8. STIFFNESS MODIFICATION FACTORS (Kf) ARE DESIGN VALUES. ACTUAL VALUES TO BE WITHIN ±10%. ACTUAL STIFFNESS WP TO WP (Keff) CALCULATED AS: Keff = (Kf·Asc·E) / Lwp WHERE Lwp IS THE WP TO WP LENGTH AND Asc IS THE SPECIFIED CORE AREA
9. MINIMUM STROKE TO OCCUR AT EACH END OF BRACE IN TENSION AND COMPRESSION DIRECTIONS. CORE EXTENSION TO REMAIN STABLE OVER 2X THIS LENGTH.

CoreBrace — Superior Seismic Performance

EOR-ID #	Line #	Grids #	Lvls #	Qty #	Core Area in²	Stiffness Modification Factor (Kf)	β	ω	Minimum Stroke in	d_b in	n_t #	n_s #	Casing Shape t or p	Casing Profile	Casing H in	Casing W in	Gusset Info at Lower End of BRB t_g in	t_{rp} in	W_{rp} in	W_b in	L_{wb} in	W_{bz} in	z in	W_c in	L_{wc} in	L_{gc} in	L_{go} in	Stiff or Cont Plates Beam	Stiff or Cont Plates Bm @ z	Stiff or Cont Plates Column	Gusset Edge Stiff Plates Thickness	Gusset Edge Stiff Plates Width	Doubler Plates Bm t_{Dpr}	Doubler Plates Bm L_{Dpr}	Doubler Plates Bm W_{Dpr}	Doubler Plates Col t_{Dpr}	t_g in	t_{rp} in	W_{rp} in	Gusset Info at Upper End of BRB W_b in	L_{wc} in	W_{bz} in	z in	W_c in	L_{wb} in	L_{go} in	L_{go} in	Stiff or Cont Plates Beam	Stiff or Cont Plates Bm @ z	Stiff or Cont Plates Column	Gusset Edge Stiff Plates Thickness	Gusset Edge Stiff Plates Width	Doubler Plates Bm t_{Dpr}	Doubler Plates Bm L_{Dpr}	Doubler Plates Bm W_{Dpr}	Doubler Plates Col t_{Dpr}
BRB-2.00	1.1	D-C	1-LR	1	2.00	1.22	1.11	1.31	2.25	7/8	2	0	t	□	8	8	3/4	0	-	5/16	12	-	-	1/4	9	14	11	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	21	-	-	1/4	8	23	10	-	-	-	-	-	-	-	-
BRB-2.00	7.1	C-D	1-LR	1	2.00	1.21	1.11	1.31	2.25	7/8	2	0	t	□	8	8	3/4	0	-	5/16	11	-	-	1/4	10	13	12	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	20	-	-	1/4	9	22	11	-	-	-	-	-	-	-	-
BRB-2.00	8	F.5'-G	1-LR	1	2.00	1.24	1.11	1.33	2.00	7/8	2	0	t	□	7	7	3/4	0	-	5/16	9	-	-	1/4	13	11	15	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	9	-	-	5/16	9	11	11	-	-	-	-	-	-	-	-
BRB-2.00	A	6-7	1-LR	1	2.00	1.21	1.11	1.31	2.50	7/8	2	0	t	□	8	8	3/4	0	-	1/4	14	-	-	1/4	10	16	12	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	24	-	-	1/4	9	26	11	-	-	-	-	-	-	-	-
BRB-2.00	A	4.1-5	1-LR	1	2.00	1.22	1.11	1.31	2.25	7/8	2	0	t	□	8	8	3/4	0	-	3/8	9	-	-	1/4	9	11	11	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	19	-	-	1/4	9	21	11	-	-	-	-	-	-	-	-
BRB-2.00	A.2	1.1-2	1-LR	1	2.00	1.23	1.11	1.32	2.00	7/8	2	0	t	□	7	7	3/4	0	-	7/16	8	-	-	5/16	9	10	11	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	18	-	-	1/4	9	20	11	-	-	-	-	-	-	-	-
BRB-2.00	H	2.1-2	1-HR	1	2.00	1.19	1.11	1.32	2.63	7/8	2	0	t	□	8	8	3/4	0	-	3/8	8	-	-	1/4	11	10	13	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	15	-	-	1/4	9	17	11	-	-	-	-	-	-	-	-
BRB-2.00	H	6-5	1-HR	1	2.00	1.19	1.11	1.32	2.63	7/8	2	0	t	□	8	8	3/4	0	-	3/8	9	-	-	1/4	10	11	12	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	16	-	-	1/4	9	18	11	-	-	-	-	-	-	-	-
BRB-2.00	H	5-4.1	1-HR	1	2.00	1.19	1.11	1.32	2.63	7/8	2	0	t	□	8	8	3/4	0	-	3/8	9	-	-	1/4	11	11	13	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	15	-	-	1/4	9	17	11	-	-	-	-	-	-	-	-
BRB-2.00	1	H-G	1-HR	1	2.00	1.21	1.11	1.32	2.25	7/8	2	0	t	□	8	8	3/4	0	-	5/16	9	-	-	1/4	14	11	16	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	9	-	-	5/16	8	11	10	-	-	-	-	-	-	-	-
BRB-2.00	E	7-7.6'	R-HR	1	2.00	1.65	1.12	1.35	2.00	7/8	2	0	t	□	7	7	3/4	0	-	1/4	35	-	-	-	-	35	12	0.50"	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	24	-	-	1/4	8	26	10	-	-	-	-	-	-	-	-
BRB-2.00	E	7.6'-8	R-HR	1	2.00	1.65	1.12	1.35	2.00	7/8	2	0	t	□	7	7	3/4	0	-	1/4	35	-	-	-	-	35	12	0.50"	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	24	-	-	1/4	8	26	10	-	-	-	-	-	-	-	-
BRB-2.00	E	7-7.6'	1-LR	1	2.00	1.28	1.12	1.34	2.00	7/8	2	0	t	□	7	7	3/4	0	-	3/8	8	-	-	5/16	11	10	13	-	-	-	-	-	-	-	-	-	-	3/4	0	-	1/4	18	-	-	-	-	19	11	0.50"	-	-	-	-	-	-	-	-
BRB-2.00	E	7.6'-8	1-LR	1	2.00	1.28	1.12	1.34	2.00	7/8	2	0	t	□	7	7	3/4	0	-	3/8	9	-	-	1/4	11	11	13	-	-	-	-	-	-	-	-	-	-	3/4	0	-	1/4	18	-	-	-	-	19	10	0.50"	-	-	-	-	-	-	-	-
BRB-2.00	E	2.05'-3	R-HR	1	2.00	1.59	1.14	1.36	2.00	7/8	2	0	t	□	7	7	3/4	0	-	1/4	20	-	-	1/4	9	22	11	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	16	-	-	1/4	8	18	10	-	-	-	-	-	-	-	-
BRB-2.00	E	2.05'-3	1-LR	1	2.00	1.27	1.11	1.33	2.00	7/8	2	0	t	□	7	7	3/4	0	-	5/16	9	-	-	5/16	13	11	15	-	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	10	-	-	5/16	8	12	10	-	-	-	-	-	-	-	-
BRB-2.00	3	E-D	R-HR	2	2.00	1.73	1.15	1.37	2.00	7/8	2	0	t	□	7	7	3/4	0	-	1/4	28	-	-	-	-	29	11	0.50"	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	22	-	-	1/4	8	24	10	-	-	-	-	-	-	-	-
BRB-2.00	3	E-D	1-LR	2	2.00	1.29	1.12	1.34	2.00	7/8	2	0	t	□	7	7	3/4	0	-	5/16	9	-	-	1/4	13	11	15	-	-	-	-	-	-	-	-	-	-	3/4	0	-	1/4	13	-	-	-	-	15	11	0.50"	-	-	-	-	-	-	-	-
BRB-2.00	4	D-E	R-HR	2	2.00	1.73	1.15	1.37	2.00	7/8	2	0	t	□	7	7	3/4	0	-	1/4	28	-	-	-	-	29	11	0.50"	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	22	-	-	1/4	8	24	10	-	-	-	-	-	-	-	-
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BRB-2.00	E	4-4.5'	R-HR	1	2.00	1.67	1.14	1.36	2.00	7/8	2	0	t	□	7	7	3/4	0	-	1/4	28	-	-	-	-	30	11	0.50"	-	-	-	-	-	-	-	-	-	3/4	0	-	5/16	21	-	-	1/4	9	23	11	-	-	-	-	-	-	-	-
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BRB-2.00	E	4.5'-5	1-LR	1	2.00	1.29	1.12	1.35	2.00	7/8	2	0	t	□	7	7	3/4	0	-	3/8	8	-	-	1/4	12	10	14	-	-	-	-	-	-	-	-	-	-	3/4	0	-	1/4	15	-	-	-	-	16	11	0.50"	-	-	-	-	-	-	-	-

Table of Symbols

- W_b = Minimum size of beam weld
- L_{wb} = Minimum length of beam weld
- t_g = Thickness of gusset
- d_b = Bolt diameter (A490 SC)
- W_c = Minimum size of column weld
- L_{wc} = Minimum length of column weld
- n_s = Number of bolts in outside row each end
- n_i = Number of bolts in inside row each end *(total bolts per brace = 4*(n_i+n_s))*
- Shape p = pipe, t = tube (square/rect)
- W = Casing Width or Diameter
- H = Casing Height or Diameter
- L_{gc} = Approximate height of gusset (not for detailing)
- L_{go} = Approximate width of gusset (not for detailing) (At V or Chev, equal to 1/2 gusset width)
- t_{rp} = Thickness of gusset reinforcing pad (repad), where occurs
- W_{rp} = Minimum size of repad weld to gusset
- W_{bz} = Minimum Size of Weld in 'z' region at each end of gusset (V or Chev)
- z = Length of 'z' region at each end of gusset (V or Chev only)

Stiffener Notes:
1. *May Double Count Stiffeners.*
2. *Indicated Thickness Each Side of Column.*
3. *Weld Stiffeners to Flange, Web & Gusset with 5/16" fillet welds for stiffener t ≤ 1.25", 7/16" for t ≤ 2.0", UNO on the drawings.*
4. *CP = Cont Plate & Gusset Plate*
5. *"-" = Stiffener PL Req'd Per Detail (Chev or V Location)*
6. *Material Grade to Match Beam and Column Grade.*
7. *Gusset Edge - See Details for Configuration.*

Doubler Plate Notes:
1. *Indicated Thickness on 1 Side of Web Only.*
2. *Alternately, May Use ½ of the Indicated Thickness on Both Sides.*
3. *Doublers to be full-height, UNO. Where multiple doublers are called out at the same location, use the largest size called for.*
4. *Weld (4) Sides with Fillet Welds Equal to 1/2DP thickness (5/16" minimum).*
5. *Material Grade to Match Beam and Column Grade.*

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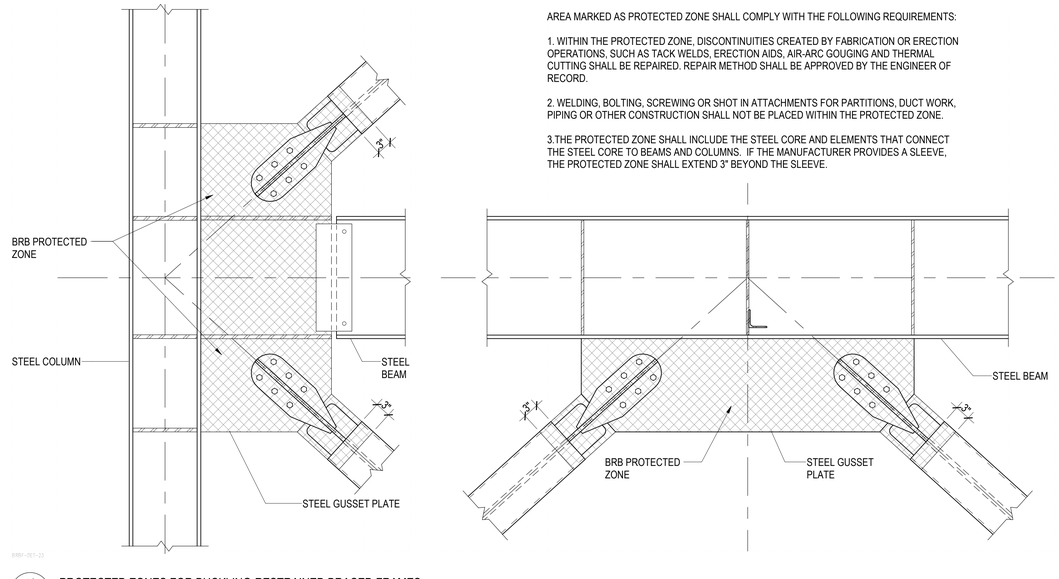

A3 / SF213 PROTECTED ZONES FOR BUCKLING-RESTRAINED BRACED FRAMES
NO SCALE

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New Autodesk Docs:...S24.rvt
5/21/2026 11:19:50 AM Building- S24.rvt
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4/10/2026

REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

BUCKLING-RESTRAINED BRACE SCHEDULE

REVISIONS

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1	05/14/26	Permit Review

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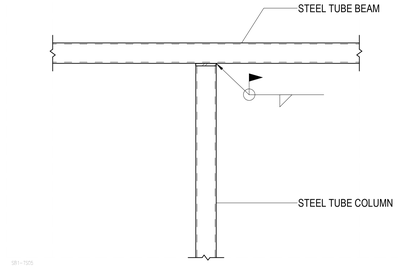
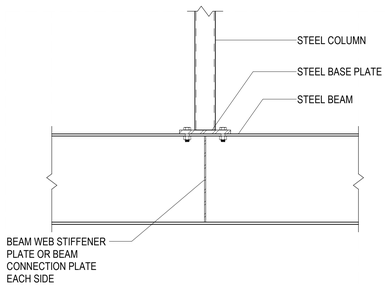
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **REA**
PROJECT#: **2023-41**

SHEET NUMBER:

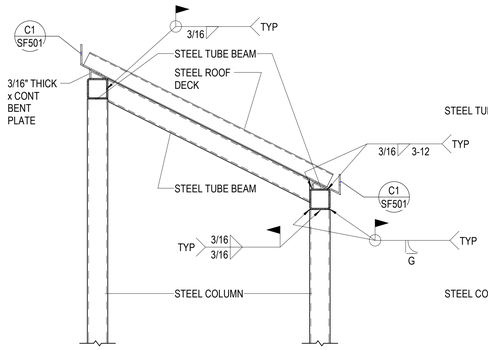
SF213



D1 SF401 STEEL BEAM TO STEEL COLUMN
NO SCALE



D2 SF401 STEEL BEAM W/ STEEL COLUMN ABOVE
NO SCALE



C1 SF401 DETAIL AT POP-UP ROOF
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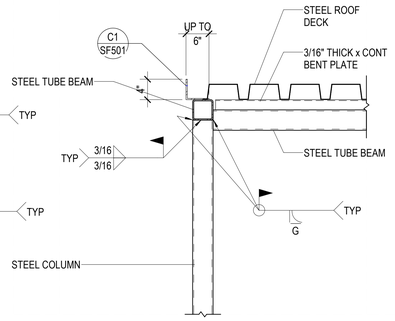

C2 SF401 DETAIL AT POP-UP ROOF
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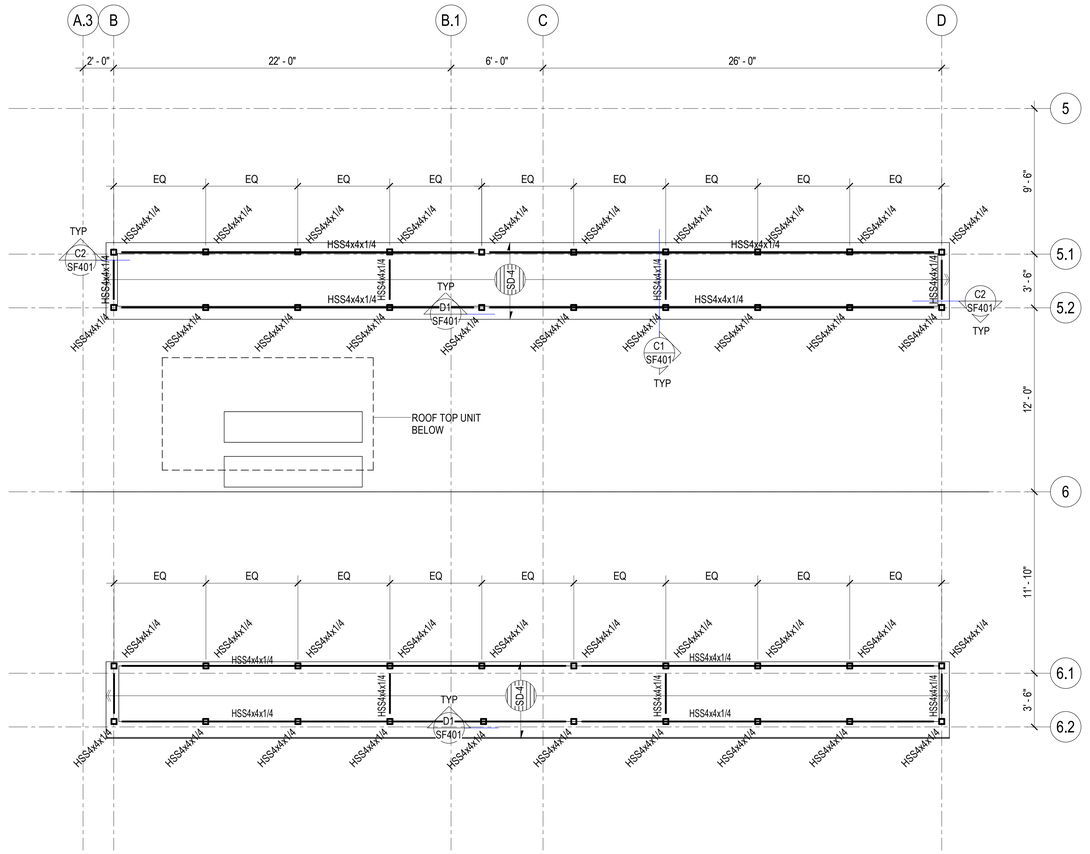

C3 SF401 POP UP ROOF FRAMING PLAN - ENLARGED BID ALTERNATE #2
SCALE: 1/4" = 1'-0"

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Salt Lake City, Utah 84111
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ARCHITECT / CONSULTANT

PROFESSIONAL STRUCTURAL ENGINEER No. 8551927-2203 GRAHAM T. OXBORROW STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

POP-UP ROOF FRAMING AND DETAILS - BID ALT #2

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	05/26/2026
ISSUE TYPE:	CONFORMED SET
DRAWN BY:	MC
CHECKED BY:	GO
PROJECT#:	2023-41

SHEET NUMBER:

SF401

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New
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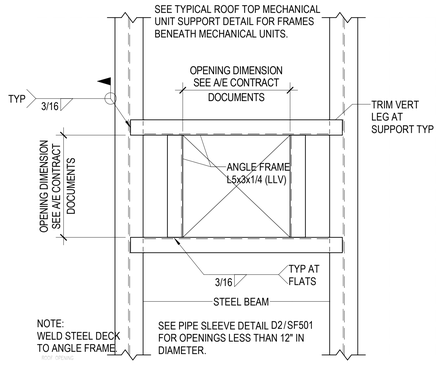
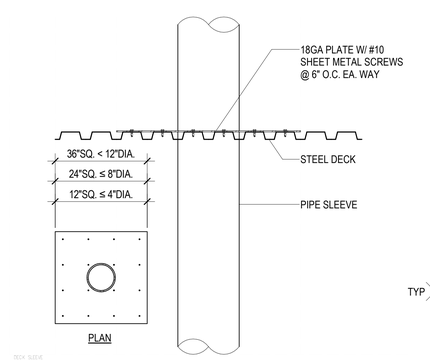
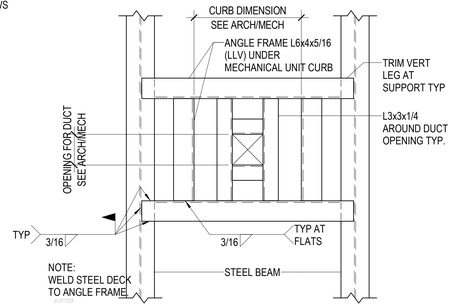


D1 / SF501 TYPICAL ROOF OPENING DETAIL (PLAN VIEW)
NO SCALE



D2 / SF501 TYPICAL PIPE SLEEVE HOLE THRU ROOF DECK
NO SCALE

WHERE THE MECHANICAL UNIT WEIGHS LESS THAN 600#, THE L6x4x5/16 SUPPORT ANGLES MAY CHANGED TO L5x3x1/4 (LLV).
SOLID BLOCK THE FLUTES OF THE STEEL DECK BENEATH THE CURB OF THE MECHANICAL UNIT. THIS MAY BE DONE WITH A HSS1.1/2x1.1/2x1/4 x6" LONG TACK WELDED TO THE STEEL DECK OR WITH SOLID BLOCKING CONNECTED TO THE STEEL DECK.



D3 / SF501 TYP ROOF TOP MECHANICAL UNIT SUPPORT DETAIL (PLAN VIEW)
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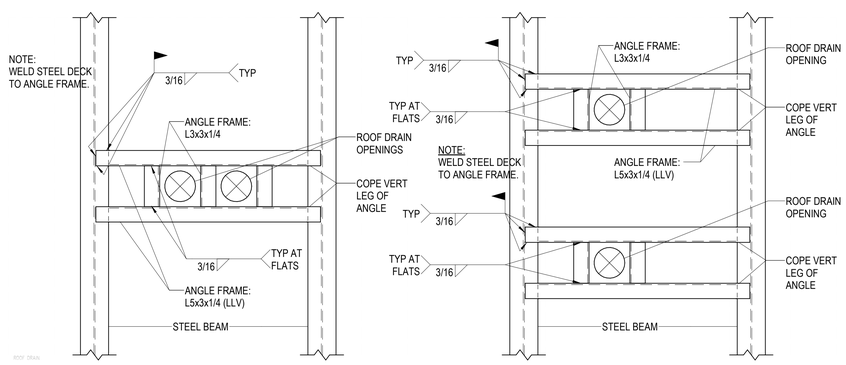
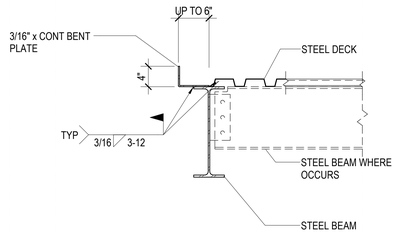
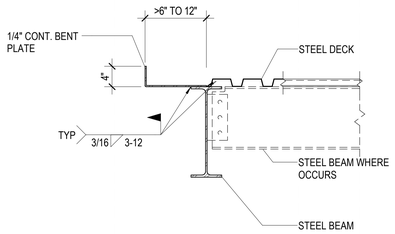
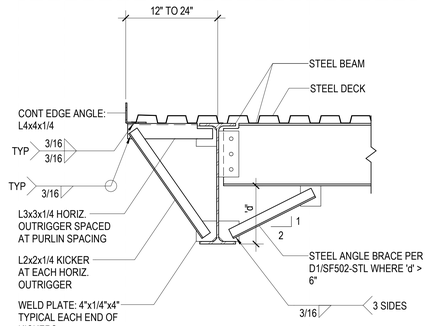
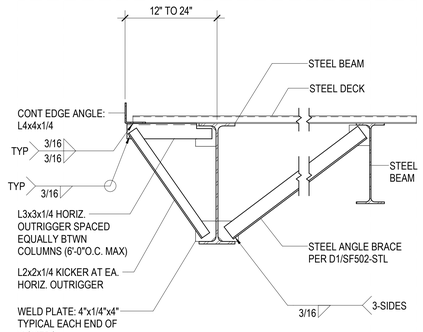


D4 / SF501 TYPICAL ROOF DRAIN OPENING (PLAN VIEW)
NO SCALE

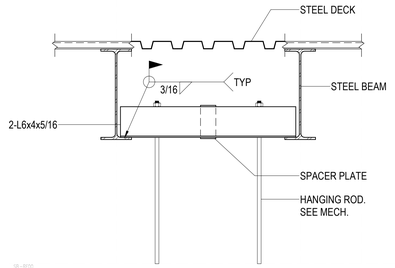








C1 / SF501 TYPICAL ROOF EDGE DETAILS AT STEEL BEAMS
NO SCALE



C5 / SF501 TYPICAL HANGING MECHANICAL UNIT SUPPORT DETAIL
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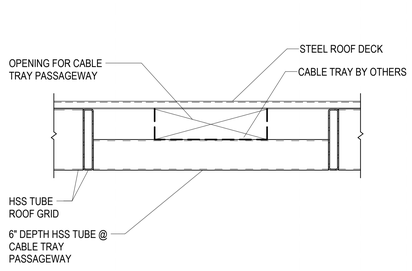
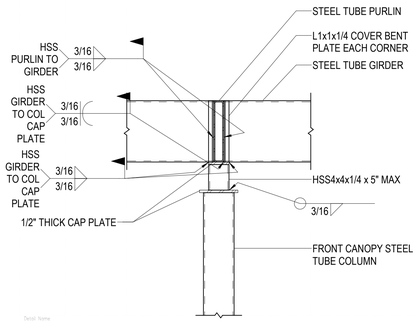


B3 / SF501 CABLE TRAY PASSAGEWAY AT HSS TUBE ROOF GRID
NO SCALE



B4 / SF501 OVERHANG ROOF TO COLUMN
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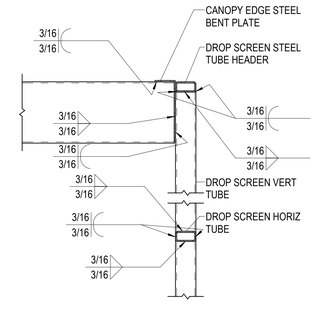

B5 / SF501 WIND SCREEN DETAIL
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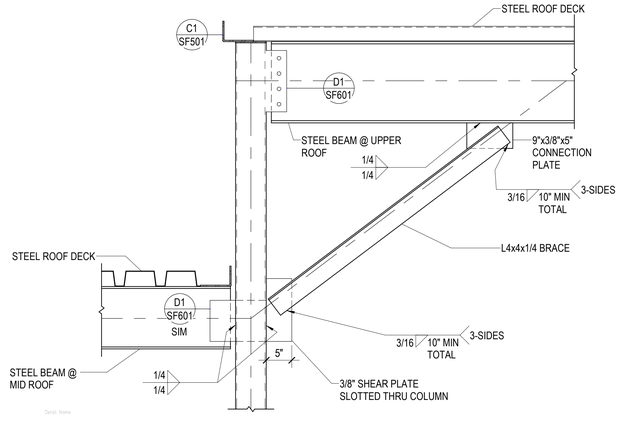

A1 / SF501 MID ROOF TO UPPER ROOF LATERAL LOAD TRANSFER BRACE
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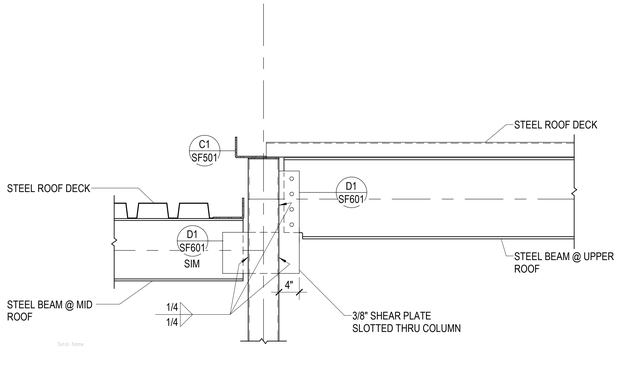

A2 / SF501 MID ROOF TO UPPER ROOF LATERAL LOAD TRANSFER BRACE
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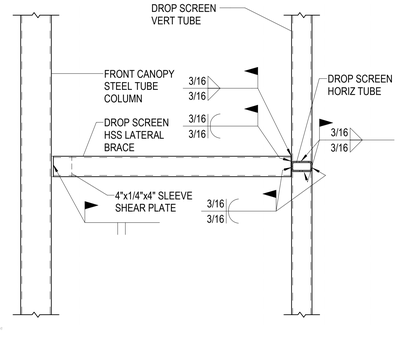

A5 / SF501 SCREEN WALL DETAIL
NO SCALE

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TYPICAL ROOF FRAMING DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SF501

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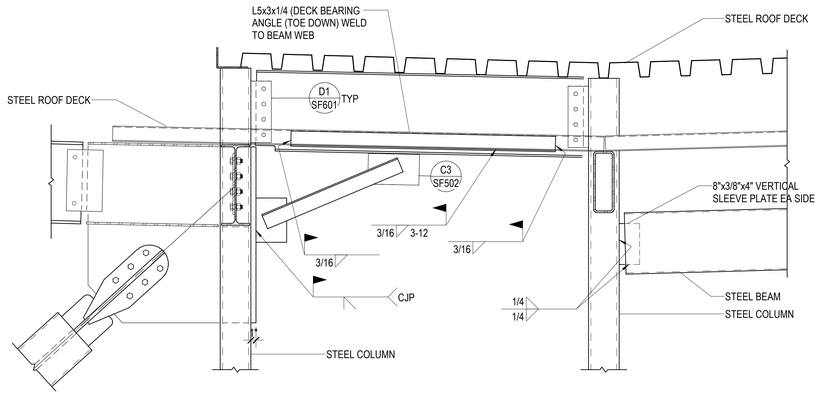

C1 SF502 MID ROOF TO UPPER ROOF LATERAL LOAD TRANSFER PLATES

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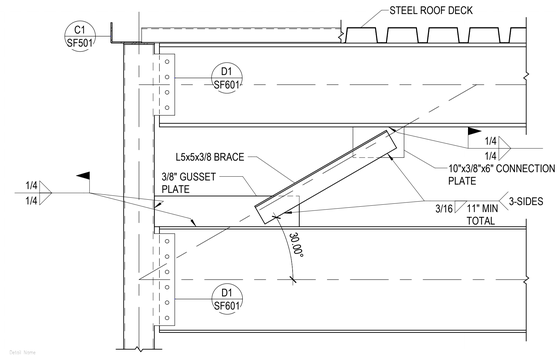

C3 SF502 MECH ROOF TO UPPER ROOF LATERAL LOAD TRANSFER BRACE

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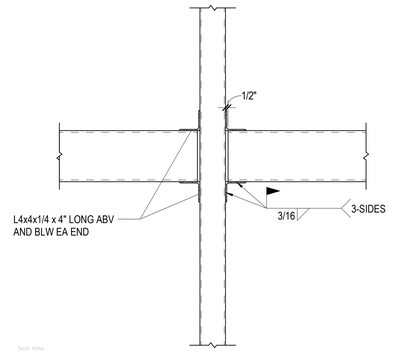

C5 SF502 WIND GIRT CONNECTIONS

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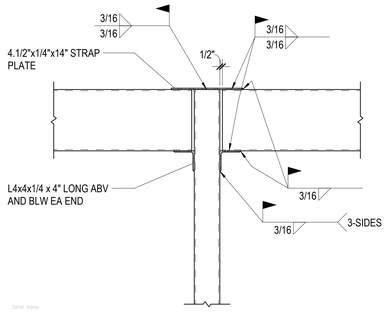

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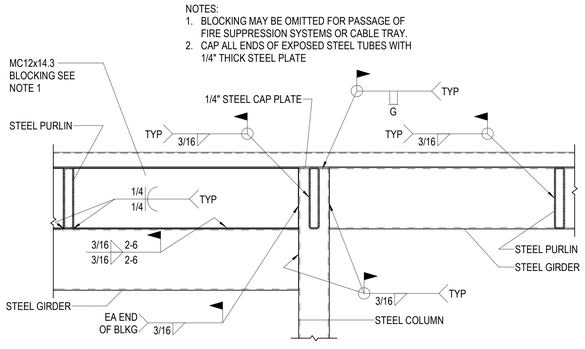

B2 SF502 CANOPY FRAMING DETAIL

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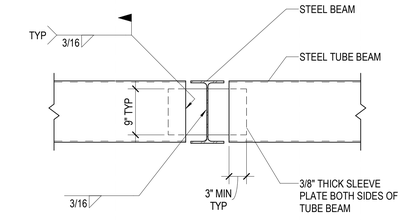

B3 SF502 STEEL TUBE CONNECTION TO STEEL BEAM

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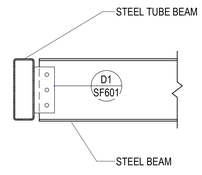

B4 SF502 STEEL BEAM CONNECTION TO STEEL TUBE BEAM

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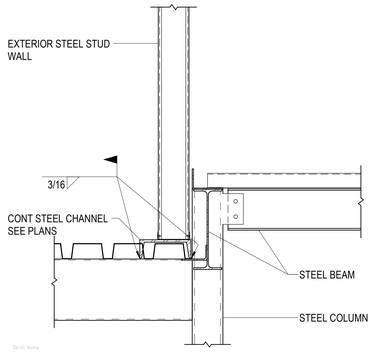
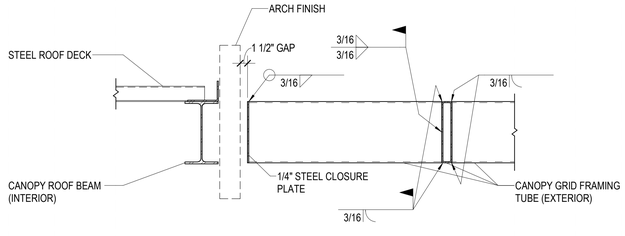


A1 SF502 STEEL STUD AT ROOF SUPPORTING EXTERIOR WALL

NO SCALE



A2 SF502 CANOPY FRAMING DETAIL

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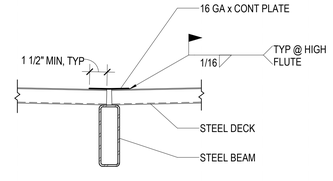

A3 SF502 SUPPORT OF SLOPED STEEL DECK OVER BEAM - VALLEY SHALLOW

NO SCALE

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New Autodesk Docs:
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PROJECT DESCRIPTION

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DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ROOF FRAMING DETAILS

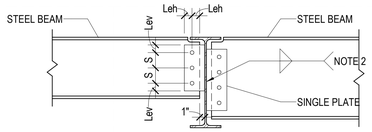
REVISIONS

MARK	DATE	DESCRIPTION

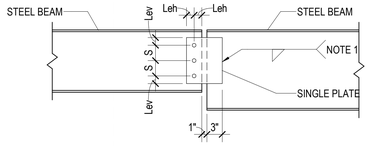
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SF502

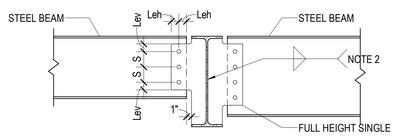


BEAM TO BEAM CONNECTION

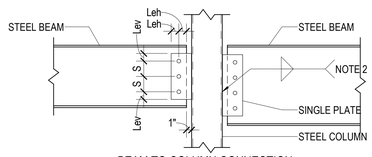


BEAM TO BEAM CONNECTION

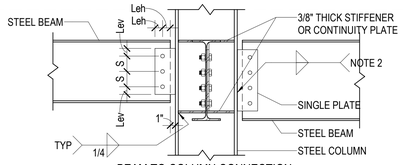
Sched_Single_Sheet



BEAM TO BEAM CONNECTION AT FULL HEIGHT STIFFENER



BEAM TO COLUMN CONNECTION



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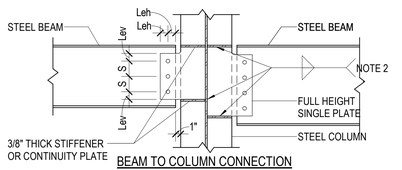
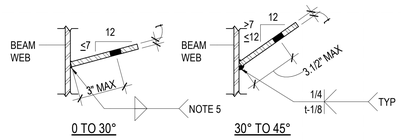
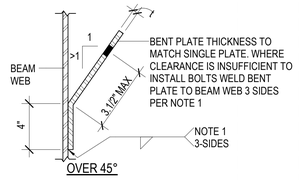


BEAM TO COLUMN CONNECTION





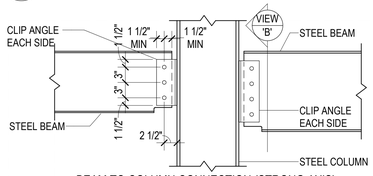
SKEWED CONNECTION (PLAN VIEW)

SINGLE PLATE CONNECTION SCHEDULE			
BEAM SIZE	WEB PLATE THICKNESS (t)	A325N BOLTS	
		NUMBER	SIZE
W8 AND W10	3/8"	2	7/8"Ø
W12 AND W14	3/8"	3	7/8"Ø
W16	3/8"	4	7/8"Ø
W18 AND W21	3/8"	5	7/8"Ø
W24	3/8"	6	7/8"Ø
W27	3/8"	7	7/8"Ø
W30	3/8"	8	7/8"Ø
W33	3/8"	9	7/8"Ø
W36	3/8"	10	7/8"Ø
W40	3/8"	11	7/8"Ø
W44	3/8"	12	7/8"Ø

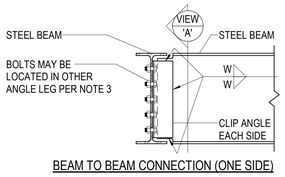
NOTES:
1. FILLET WELDS ONE SIDE SHALL EQUAL THE PLATE THICKNESS MINUS 1/16" (1/4" MIN.)
2. FILLET WELDS TWO SIDES SHALL BE 5/8 THE PLATE THICKNESS (1/4" MIN.) EACH SIDE
3. BOLT EDGE DISTANCE SHALL BE AS FOLLOWS: Leh = 2 x BOLT DIAMETER; Lev = 1.1/2".
4. BOLT SPACING (S) SHALL BE 3".
5. AT SKEWED JOINTS PROVIDE AN EQUIVALENT LEG SIZE TO NOTE 2 PER AWS D1.1.
6. PROVIDE SHORT SLOTTED HOLES WHEN 6 OR MORE BOLTS ARE REQUIRED AND BOLT DIAMETER IS ≤ 3/4".

D1 / SF601 — TYPICAL SINGLE PLATE CONNECTION DETAILS AND SCHEDULE

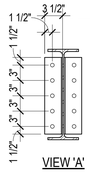
NO SCALE



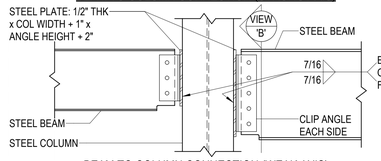
BEAM TO COLUMN CONNECTION (STRONG AXIS)



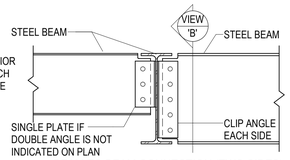
BEAM TO BEAM CONNECTION (ONE SIDE)



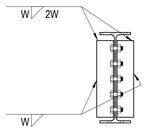
VIEW 'A'



BEAM TO COLUMN CONNECTION (WEAK AXIS)



BEAM TO BEAM CONNECTION (TWO SIDES)



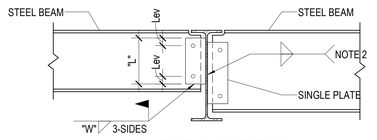
VIEW 'B'

DOUBLE ANGLE CONNECTION SCHEDULE		
BEAM SIZE	A325N BOLTS	
	NO. PER LEG	SIZE
W8 AND W10	2	7/8"Ø
W12 AND W14	3	7/8"Ø
W16	4	7/8"Ø
W18 AND W21	5	7/8"Ø
W24	6	7/8"Ø
W27	7	7/8"Ø
W30	8	7/8"Ø
W33	9	7/8"Ø
W36	10	7/8"Ø
W40	11	7/8"Ø
W44	12	7/8"Ø

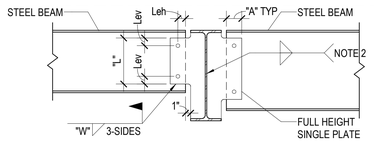
NOTES:
1. CLIP ANGLES: 2-L4x3 1/2. THICKNESS SHALL BE EQUAL TO ONE HALF THE BEAM WEB THICKNESS PLUS 1/16" (1/4" MIN., 1/2" MAX). FOR TWO ROWS OF BOLTS OR SKEWED CONNECTIONS, USE BENT PLATES.
2. FILLET WELDS (W) SHALL BE ANGLE THICKNESS MINUS 1/16" (1/4" MIN.)
3. CONTRACTOR HAS OPTION TO BOLT CLIP ANGLES AT EITHER BEAM WEB IN ONE SIDED BEAM TO BEAM CONNECTIONS. WHERE DOUBLE ANGLE CONNECTION OCCURS ON EACH SIDE OF WEB, ANGLES SHALL BE WELDED TO THE GIRDER.
4. STAGGERED ANGLES ARE NOT ACCEPTABLE WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.

C1 / SF601 — TYPICAL DOUBLE ANGLE CONNECTION DETAILS AND SCHEDULE

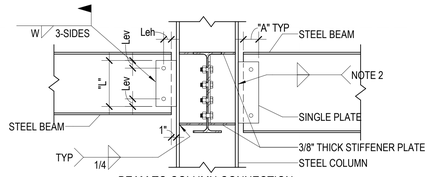
NO SCALE



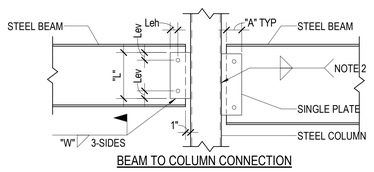
BEAM TO BEAM CONNECTION



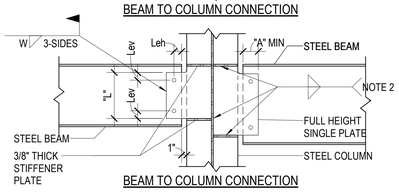
BEAM TO BEAM CONNECTION AT FULL HEIGHT STIFFENER



BEAM TO COLUMN CONNECTION



BEAM TO COLUMN CONNECTION



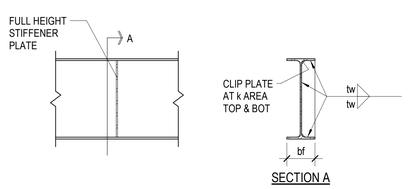
BEAM TO COLUMN CONNECTION

SINGLE PLATE COLLECTOR/CHORD CONNECTION SCHEDULE					
BEAM SIZE	WEB PLATE			WELD "W"	ERECTION BOLTS
	"L"	"A"	THICKNESS		
W8x18	6"	4"	3/8"	5/16"	2
W12x40	9"	4"	3/8"	5/16"	2
W16x57	12"	4"	3/8"	5/16"	3

NOTES:
1. ERECTION BOLT SHALL BE 7/8"Ø A325N BOLTS.
2. FILLET WELDS TWO SIDES SHALL BE 5/8 THE PLATE THICKNESS (1/4" MIN.) EACH SIDE
3. BOLT EDGE DISTANCE SHALL AS FOLLOWS: Leh = 2 x BOLT DIAMETER; Lev = 1.1/2".
4. BOLT SPACING (S) SHALL BE 3" MINIMUM.
5. SINGLE WEB PLATE SHALL BE ASTM A572 GRADE 50, U.N.O.

B1 / SF601 — TYPICAL WELDED SINGLE PLATE COLLECTOR/CHORD CONNECTION DETAILS AND SCHEDULE

NO SCALE



SECTION A

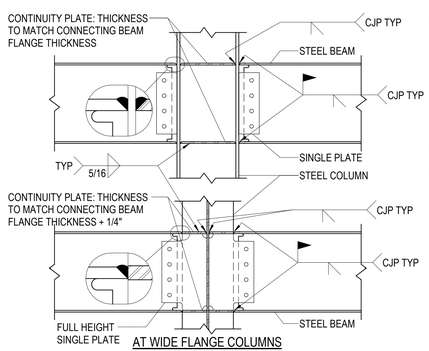
WELD SCHEDULE		
bf	THICKNESS*	tw
UP TO 8.25"	1/4"	3/16"
> 8.25" ≤ 12.25"	3/8"	1/4"
> 12.25" ≤ 16.5"	1/2"	5/16"
> 16.5" ≤ 22"	5/8"	5/16"

* STIFFENER THICKNESS IS BASED UPON WIDTH OF BEAM FLANGE (bf) UNLESS NOTED OTHERWISE IN DETAILS

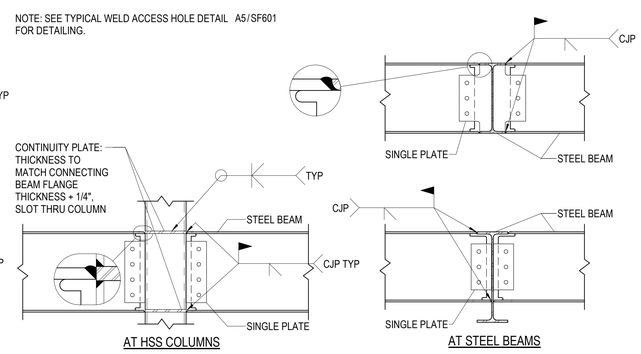
STIFFENER_PLATE_DETAIL

A1 / SF601 — TYPICAL STIFFENER PLATE DETAIL

NO SCALE



AT WIDE FLANGE COLUMNS



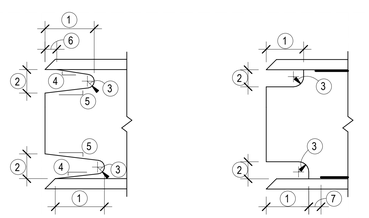
AT HSS COLUMNS

AT STEEL BEAMS

Moment_Connections_Combined

A2 / SF601 — TYPICAL GRAVITY BEAM MOMENT CONNECTION

NO SCALE



ROLLED SHAPES AND BUILT-UP SHAPES ASSEMBLED PRIOR TO CUTTING THE WELD ACCESS HOLE.

BUILT-UP SHAPES ASSEMBLED AFTER CUTTING THE WELD ACCESS HOLE.

NOTES:
1. LENGTH: NOT LESS THAN THE GREATER OF 1.5 x WEB THICKNESS OR 1.1/2"
2. HEIGHT: NOT LESS THAN THE GREATER OF 1.0 x WEB THICKNESS OR 3/4" BUT NEED NOT EXCEED 2"
3. RADIUS: 3/8" MIN. GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN AISC 360-16 SECTIONS A3.1(c) AND (d).
4. SLOPE FORMS A TRANSITION FROM WEB TO THE FLANGE.
5. SLOPE MAY BE HORIZONTAL.
6. THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT BACKING BARS WHERE THEY ARE TO BE USED.
7. THE WEB-TO-FLANGE WELD OF BUILT-UP MEMBERS IS TO BE HELD BACK A DISTANCE OF AT LEAST THE WELD SIZE FROM THE EDGE OF THE ACCESS HOLE.

A5 / SF601 — TYPICAL WELD ACCESS HOLE DETAIL

NO SCALE

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New
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4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TYPICAL STEEL FRAMING SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
2	05/19/26	Permit Review Rev2

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SF601

STEEL COLUMN																									
ROOF - HIGH ROOF - MID 121' - 6" 120' - 4"																									ROOF - HIGH ROOF - MID 121' - 6" 120' - 4"
ROOF - LOW																									ROOF - LOW
114' - 10 1/8" FOOTING & FOUNDATION	HSS4x4x1/4	HSS8x8x5/8	HSS8x8x5/8	HSS5x5x1/4	HSS4x4x1/4	HSS5x5x1/4	HSS5x5x1/4	HSS5x5x1/4	HSS4x4x1/4	HSS5x5x1/4	HSS5x5x1/2	HSS5x5x1/4	HSS4x4x1/4	HSS4x4x1/4	HSS5x5x1/4	HSS5x5x1/4	HSS5x5x1/4	HSS6x6x1/2	HSS6x6x1/2	HSS5x5x1/4	HSS6x6x5/8	HSS6x6x1/2	HSS6x6x5/8	HSS8x8x1/4	114' - 10 1/8" FOOTING & FOUNDATION
100' - 0"	SBP-1	SBP-3	SBP-3	SBP-2	SBP-1	SBP-2	SBP-2	SBP-2	SBP-1	SBP-2	SBP-2	SBP-2	SBP-2	SBP-1	SBP-1	SBP-2	SBP-2	SBP-2	SBP-2	SBP-2	SBP-2	SBP-2	SBP-1	SBP-2	SBP-4 ⚠1	100' - 0"
Column Locations	A-7.1	A.1-3.1, A.3-3.1, B.1-3.1, B.1-3.2	A.1-3.2, A.3-3.2	A.2-2.1	B-4.1	B-5, C-5, D-5	B-6, C-6	B-7, C-7, D-7	B-7.1	C-2, D-2	C-3, C-4	D-6	E-1, E-2	E-1.1	E-6	F-1, F-2	F-2.1(9' - 9 1/4")	F-3	F-4	F-5, F-6	F-7	F-8	H-7	I-3.1, I-3.2		

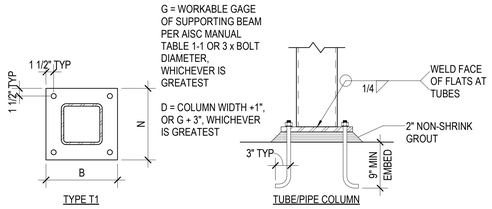
STEEL COLUMN SCHEDULE NOTES

1 SEE GRAVITY COLUMN STEEL BASE PLATE SCHEDULE FOR MINIMUM ANCHOR BOLT REQUIREMENTS
2 PROVIDE CAP PLATE PER TYPICAL GRAVITY COLUMN CAP PLATE DETAILS. CAP PLATE THICKNESS SHALL BE 3/4" THICK TYP. UNO
3 COLUMN SPLICES SHALL BE LOCATED PER SPLICE DETAILS, TYPICAL, U.N.O.

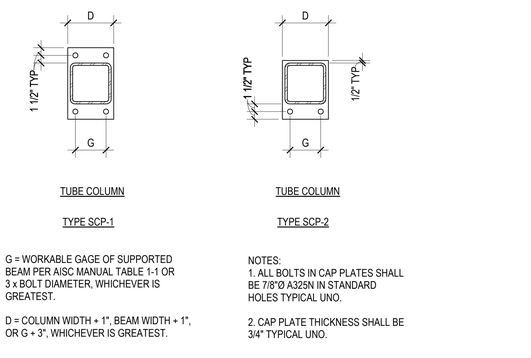
STEEL BASE PLATE SCHEDULE

BASE PLATE MARK	N	B	THICK-NESS	C	TYPE	REMARKS
SBP-1	10"	10"	3/4"	--	T1	
SBP-2	12"	12"	3/4"	-- ⚠2	T1	
SBP-3	16"	16"	1.1/8"	--	T1	SEE C1 / SB502
⚠1 SBP-4	14"	14"	3/4"	--	T1	

NOTES:
1. BASE PLATES BEARING ON CONCRETE SHALL BE INSTALLED W/ 4-3/4"Ø ANCHOR RODS UNO. PROJECT ANCHOR RODS 3" (MIN.) ABOVE THE TOP OF THE BASE PLATE. ALL BOLTS SHALL BE INSTALLED W/ HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE BOLT DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. BASE PLATES BEARING ON STEEL SHALL BE INSTALLED W/4-7/8"Ø A325 BOLTS, UNLESS NOTED OTHERWISE.
3. DO NOT WELD ANCHOR RODS



B1 / SF602 TYPICAL STEEL BASE PLATE SCHEDULE & DETAILS FOR GRAVITY COLUMNS
NO SCALE



B4 / SF602 TYPICAL STEEL CAP PLATE DETAILS FOR GRAVITY COLUMNS
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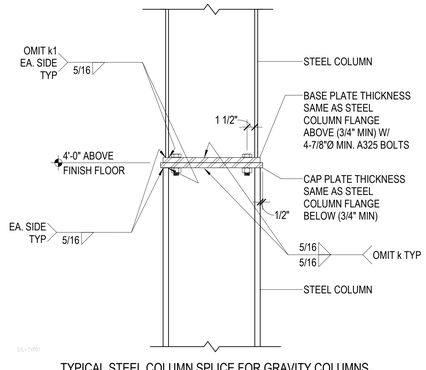
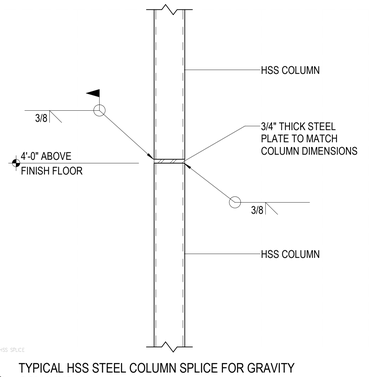
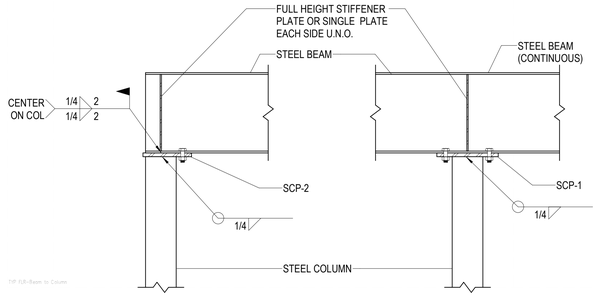


A1 / SF602 TYPICAL STEEL COLUMN SPLICE FOR GRAVITY COLUMNS WITH SAME NOMINAL DEPTH
NO SCALE



A2 / SF602 TYPICAL HSS STEEL COLUMN SPLICE FOR GRAVITY COLUMNS
NO SCALE



A3 / SF602 TYPICAL STEEL BEAM BEARING ON STEEL COLUMN
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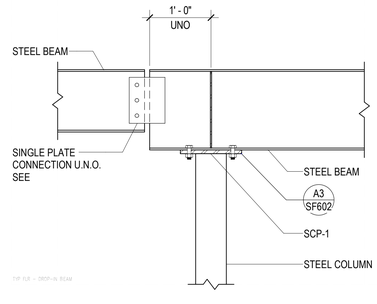

A4 / SF602 TYPICAL DROP-IN BEAM BEARING ON STEEL COLUMN
NO SCALE

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REVIEWED FOR CODE COMPLIANCE
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Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STEEL COLUMN SCHEDULE AND DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review
2	05/19/26	Permit Review Rev2

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

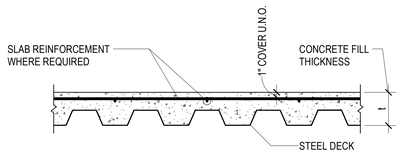
SHEET NUMBER:

SF602

STEEL DECK SCHEDULE

MARK	STEEL DECK				CONCRETE FILL			STEEL DECK ATTACHMENT	MIN. ALLOWABLE SHEAR CAPACITY	NOTES
	PROFILE	MIN I (in⁴/ft)	MIN S (in³/ft)	FINISH	THICKNESS (t)	TYPE	REINFORCEMENT			
SD-1	TYPE N 3" DEEP x 20 GA	0.889	0.452	GALVANIZED (G60)	-	-	-	SDA-1	1460 PLF @ 10'-0"	-

NOTES:
1. STEEL DECK SHALL COMPLY WITH LATEST REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI).
2. SUBMIT CURRENT CODE EVALUATION REPORT (ICC OR IAPMO) WITH LOAD AND LATERAL SHEAR CAPACITIES WITH SHOP DRAWINGS.
3. FIBER REINFORCEMENT, WHEN REQUIRED IN SCHEDULE, SHALL BE MACROSYNTHETIC FIBER REINFORCEMENT PER THE CONCRETE MATERIALS SECTION OF THE GENERAL STRUCTURAL NOTES.
4: ALL DECK SHALL BE 3-SPAN CONTINUOUS MINIMUM WHERE POSSIBLE. IN AREAS WHERE 3-SPAN CONDITIONS ARE NOT POSSIBLE THE CONTRACTOR SHALL VERIFY UN-SHORED DECK IS PERMITTED BY THE DECK MANUFACTURER FOR THE SPAN CONDITION, SPAN LENGTH, AND DECK GAUGE. WHERE DECK DOES NOT MEET THE REQUIREMENTS FOR UN-SHORED DECK, THE CONTRACTOR SHALL EITHER PROVIDE HEAVIER GAUGE DECK TO ALLOW FOR UN-SHORED DECK OR PROVIDE SHORING.
5. STEEL DECK WITHOUT CONCRETE FILL SHALL NOT BE USED TO SUPPORT LOADS FROM PLUMBING, HVAC DUCTS, LIGHT FIXTURES, ARCHITECTURAL ELEMENTS OR EQUIPMENT OF ANY KIND, UNLESS SPECIFICALLY NOTED OTHERWISE. LIGHTWEIGHT SUSPENDED ACOUSTICAL CEILINGS WITH A TOTAL WEIGHT PER WIRE NOT EXCEEDING 50# MAY BE HUNG FROM THE STEEL ROOF DECK. THE HANGERS SHOULD BE STAGGERED TO DISTRIBUTE THE LOAD OVER MULTIPLE DECK FLUTES.
6. DECK SHALL HAVE 2" MINIMUM BEARING ON ALL SUPPORTING MEMBERS (MEMBERS PERPENDICULAR TO DECK) UNO. DECKS SHALL HAVE 1.1/2" MINIMUM BEARING AT PARALLEL MEMBERS.
7. DO NOT EMBED CONDUITS OR PIPES IN CONCRETE FILL OVER STEEL DECKS WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
8. SEE TYPICAL DETAILS FOR REINFORCEMENT REQUIRED AT OPENINGS THROUGH STEEL DECK. OPENING REINFORCING SHALL BE INSTALLED PRIOR TO SAW CUTTING OPENINGS.
9. PROVIDE GALVANIZED STEEL DECK ABOVE & BELOW MECHANICAL ROOMS.
10.SEE PLANS AND DETAILS FOR LOCATIONS WHERE ADDITIONAL SLAB REINFORCEMENT IS REQUIRED.

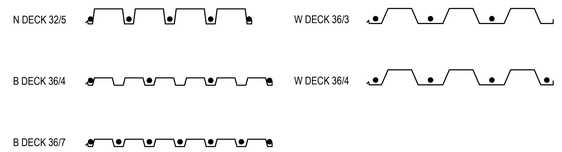


CONCRETE SLAB OVER STEEL DECK PROFILE

STEEL DECK ATTACHMENT SCHEDULE

MARK	WELDED			MECHANICAL		
	SUPPORTS	PARALLEL	SIDE LAP	SUPPORTS	PARALLEL	SIDE LAP
SDA-1	PW @ 32/5	PW @ 12" O.C.	1.1/2" TSW @ 12" O.C.	PAF @ 32/5	PAF @ 12" O.C.	PSC @ 12" O.C.

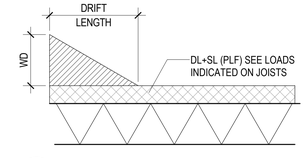
NOTES:
1. PW = PUDDLE WELD - 1/2" EFFECTIVE DIAMETER ARC SPOT WELD AT INTERIOR FLUTES, 1" X 3/8" EFFECTIVE ARC SEAM WELD AT SUPPORTS ADJACENT TO SIDELAP.
2. TSW = TOP SEAM WELD - 1.1/2" LONG TOP SEAM WELDS BETWEEN ADJACENT PIECES OF DECKING. CRIMP SIDE SEAMS BEFORE WELDING INTERLOCKING SEAMS.
3. BP = BUTTON PUNCH - 3/16" BUTTON PUNCH BETWEEN ADJACENT PIECES OF DECK. CRIMP SEAMS BEFORE BUTTON PUNCHING INTERLOCKING SEAMS.
4. PAF = POWDER ACTUATED FASTENER -
   HILTI X-HSN 24 AT SUPPORTS 3/16" THROUGH 3/8" THICK
   HILTI X-ENP-19 L15 AT SUPPORTS 1/4" THICK AND GREATER
   PNEUTEK SDK61075 AT SUPPORTS 0.113" THROUGH 0.155" THICK
   PNEUTEK SDK63075 AT SUPPORTS 0.155" THROUGH 0.250" THICK
   PNEUTEK K64062 AT SUPPORTS 0.187" THROUGH 0.312" THICK
   PNEUTEK K66062 OR K66075 AT SUPPORTS 0.281" THICK AND GREATER
5. SDS = SELF DRILLING SCREW. WHERE SIDELAPS HAVE SCREWED CONNECTION, THE DECK PROVIDED SHALL HAVE A SCREWABLE SIDE SEAM, UNO.
6. PSC = PROPRIETARY SIDELAP CONNECTION - VERCO SIDELAP CONNECTION 2 FOR VERCO PUNCHLOK II SYSTEM, ASC DELTA GRIP FOR ASC DECKS.
7. SPACING AT SUPPORTS IS NOTED AS (DECK PANEL WIDTH)/(ATTACHMENTS PER PANEL). FOR EXAMPLE: PW @ 36/4 INDICATES A 36" WIDE DECK SHEET WITH 4 PUDDLE WELDS AT EACH SUPPORT.
8. HEADED STUD ANCHORS WELDED THROUGH DECK WITH 1" MINIMUM COVER FROM EDGE OF DECK TO STUD CENTERLINE MAY BE SUBSTITUTED ONE FOR ONE FOR PW. ALIGN AND SECURE DECK IN POSITION BEFORE INSTALLING STUDS.
9. SEE PLANS AND SFRS SHEETS FOR ADDITIONAL FASTENERS REQUIRED AT MEMBERS DENOTED AS SFRS. OMIT ATTACHMENTS WHERE DENOTED AS PROTECTED ZONES IN SFRS.
10. ALL WELDED SURFACES SHALL BE DRY BEFORE WELDING DECK OR STUDS TO SUPPORTS.
11. ALIGN AND SECURE DECK IN POSITION BEFORE WELDING OR INSTALLING FASTENERS OR STUDS.
12. ALTERNATE MEANS OF DECK ATTACHMENT ARE PERMITTED WITH APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED ATTACHMENT SYSTEM AND THE CODE EVALUATION REPORT DEMONSTRATING THE SYSTEM HAS THE STRENGTH TO MEET THE SPECIFIED DECK SHEAR. IF THE ALTERNATE METHOD IS APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DECK TYPE AND PROFILE IS COMPATIBLE WITH THE FASTENING SYSTEM.



SNOW DRIFT SCHEDULE

MARK	DRIFT LENGTH	WD (PSF)
SND-1	7' - 2"	15.7
SND-2	4' - 9"	20.4
SND-3	9' - 2"	40.1
SND-4	10' - 9"	46.8
SND-5	6' - 11"	30.4
SND-6	6' - 1"	26.4

NOTES:
1. FOR OWSJ DESIGN DRIFT LOADS SHALL BE IN ADDITION TO ALL LOADS INDICATED ON PLANS.
2. SNOW DRIFT VALUES IN SCHEDULE ARE IN UNITS OF PSF. MULTIPLY LOADS BY JOIST SPACING TO OBTAIN PLF LOADING FOR JOIST DESIGN.



A5 / SF603 SNOW DRIFT SCHEDULE
NO SCALE

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STEEL DECK SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **GO**
PROJECT#: **2023-41**

SHEET NUMBER:

SF603

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.008PD DFCM Richfield Regional Center New
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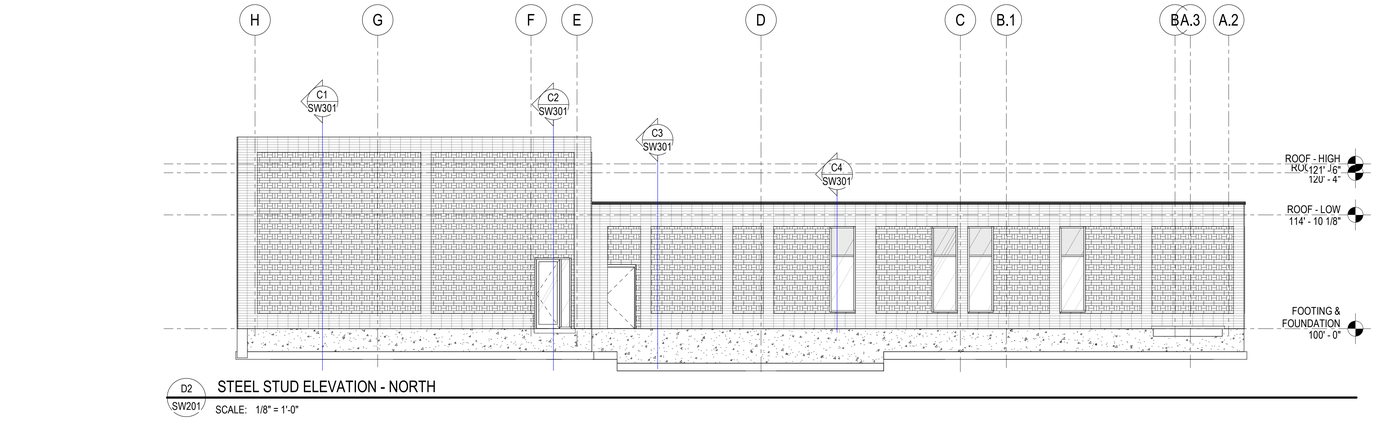
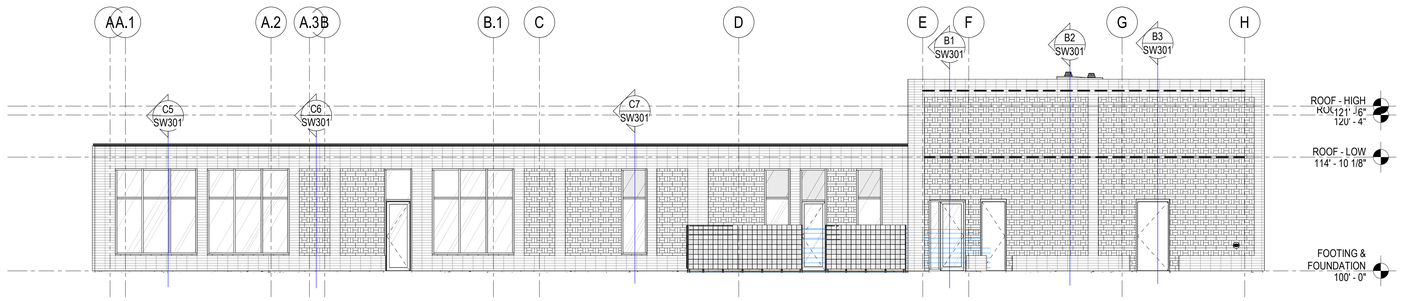


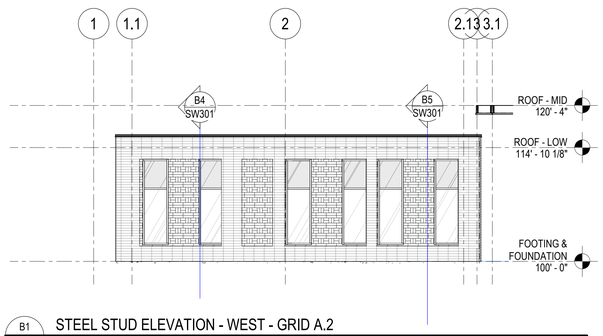
D2 SW201 STEEL STUD ELEVATION - NORTH

SCALE: 1/8" = 1'-0"



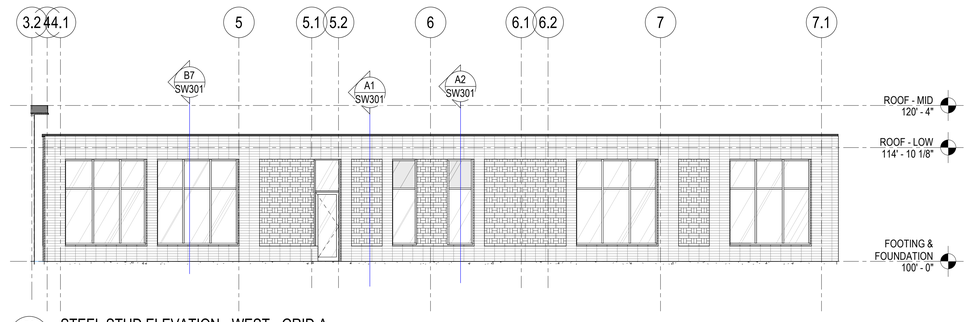
C1 SW201 STEEL STUD ELEVATION - SOUTH

SCALE: 1/8" = 1'-0"



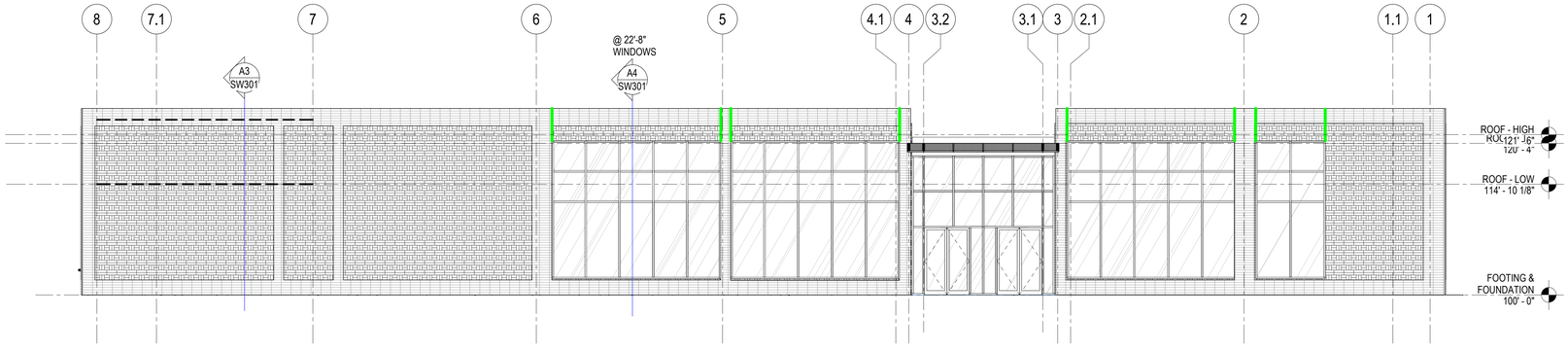
B1 SW201 STEEL STUD ELEVATION - WEST - GRID A.2

SCALE: 1/8" = 1'-0"



B3 SW201 STEEL STUD ELEVATION - WEST - GRID A

SCALE: 1/8" = 1'-0"



A1 SW201 STEEL STUD ELEVATION - EAST

SCALE: 1/8" = 1'-0"

EXTERIOR WALL ELEVATION LEGEND	
	- VERTICAL JOINT
	- WIND GIRT BEHIND

EXTERIOR WALL ELEVATION NOTES

1. SEE D4/SW501 FOR TYPICAL WALL ELEVATION. SEE GENERAL NOTES FOR STEEL STUD REQUIREMENTS.

2. SEE SW601 FOR STEEL STUD SCHEDULES & JAMB, SILL & HEADER DETAILS.

3. CURTAIN WALL SHALL BE DESIGNED TO ACCOMMODATE STORY DRIFT AT THE INDICATED LOCATIONS. SEE INTERSTORY DRIFT TABLES IN THE GENERAL STRUCTURAL NOTES.

4. JOINT LOCATIONS ARE APPROXIMATE. COORDINATE LOCATIONS WITH THE ARCHITECTURAL CLADDING ELEMENTS.

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Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STEEL STUD WALL ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**MC**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

SW201

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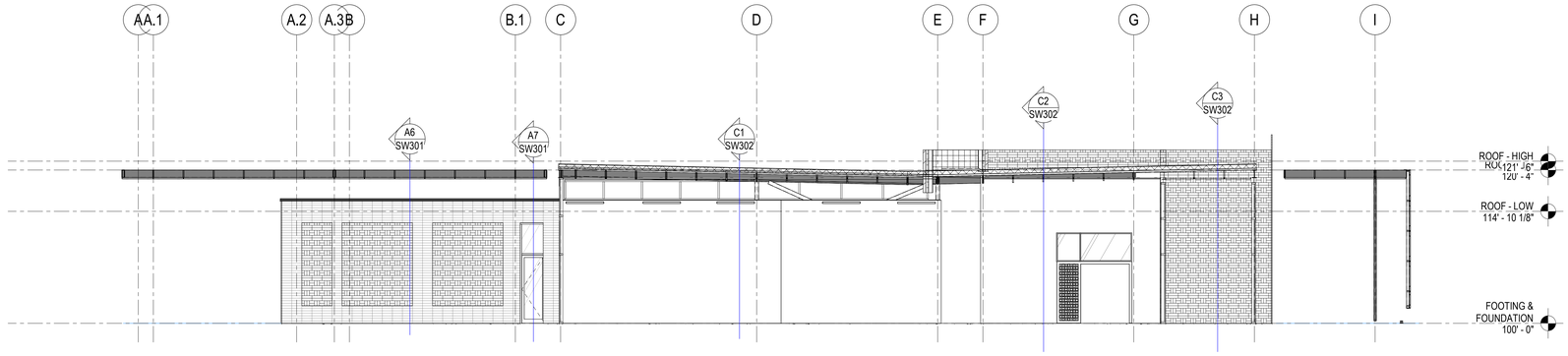
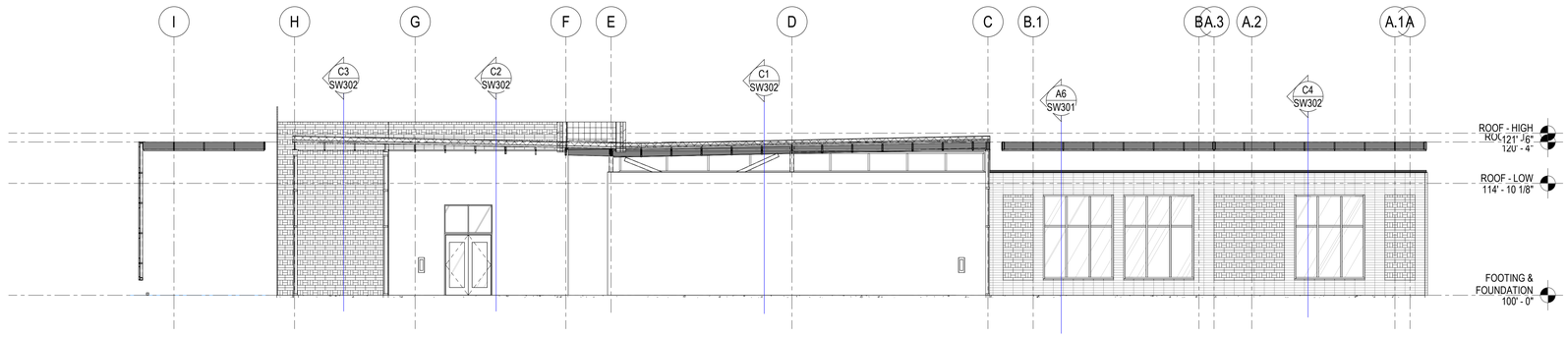


C1 SW202 SSW ELEVATION - GRID 3

SCALE: 1/8" = 1'-0"



B1 SW202 SSW ELEVATION - GRID 4

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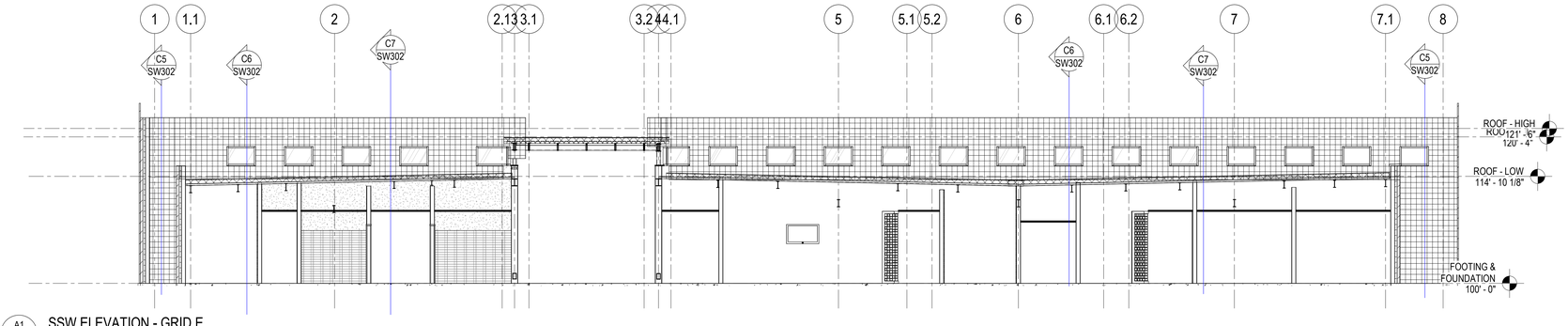

A1 SW202 SSW ELEVATION - GRID E

SCALE: 1/8" = 1'-0"

EXTERIOR WALL ELEVATION LEGEND

- VERTICAL JOINT
- WIND GIRT BEHIND

EXTERIOR WALL ELEVATION NOTES

1. SEE D4 / SW501 FOR TYPICAL WALL ELEVATION. SEE GENERAL NOTES FOR STEEL STUD REQUIREMENTS.

2. SEE SW601 FOR STEEL STUD SCHEDULES & JAMB, SILL & HEADER DETAILS.

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Jason Van Ausdal
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Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STEEL STUD WALL ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
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PROJECT#: **2023-41**

SHEET NUMBER:

SW202

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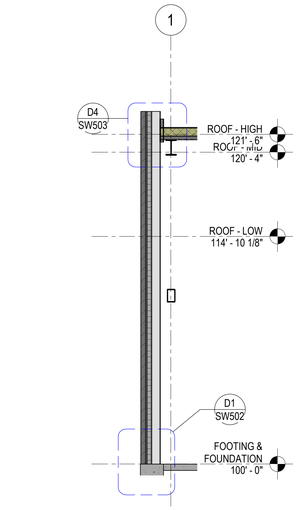
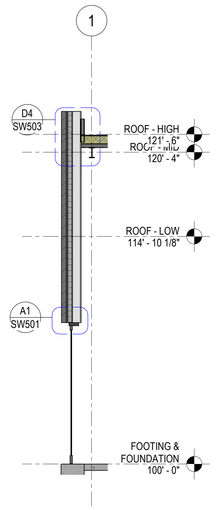


C1 SW301 STEEL STUD SECTION
SCALE: 1/4" = 1'-0"



C2 SW301 STEEL STUD SECTION
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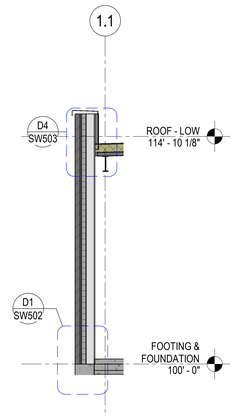

C3 SW301 STEEL STUD SECTION
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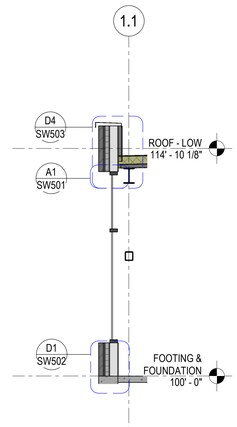

C4 SW301 STEEL STUD SECTION
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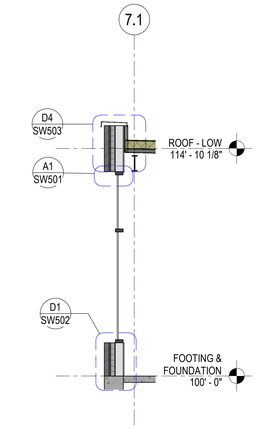

C5 SW301 STEEL STUD SECTION
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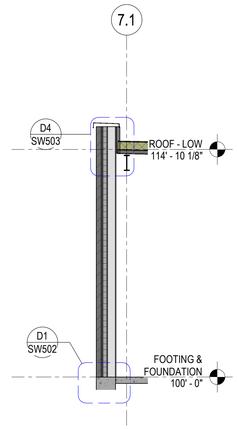

C6 SW301 STEEL STUD SECTION
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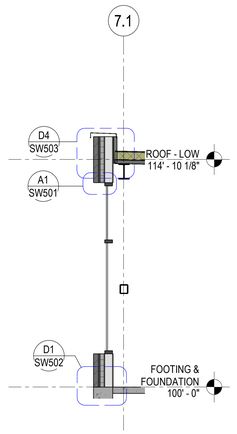
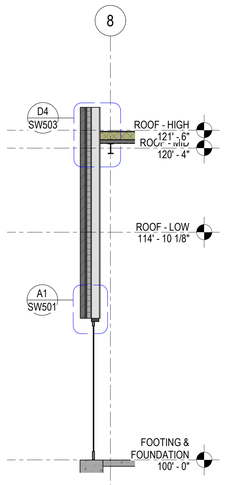


C7 SW301 STEEL STUD SECTION
SCALE: 1/4" = 1'-0"



B1 SW301 STEEL STUD SECTION
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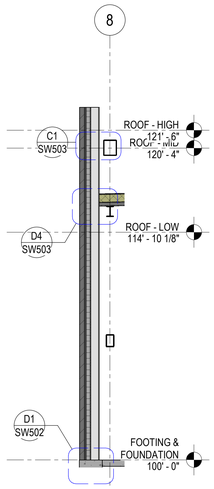

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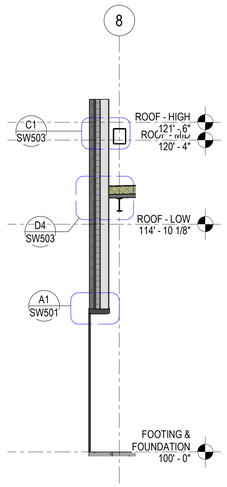

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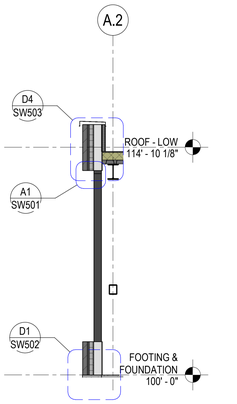

B4 SW301 STEEL STUD SECTION
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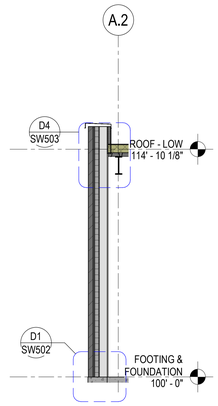

B5 SW301 STEEL STUD SECTION
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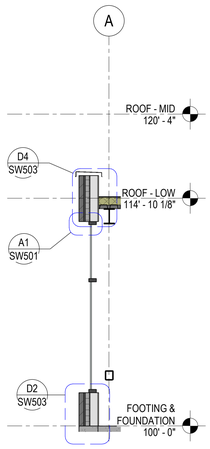

B7 SW301 STEEL STUD SECTION
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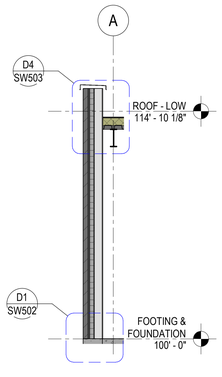
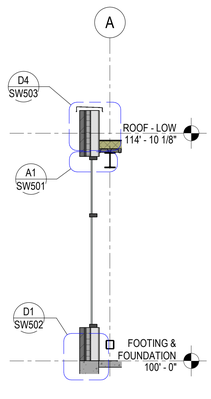


A1 SW301 STEEL STUD SECTION
SCALE: 1/4" = 1'-0"



A2 SW301 STEEL STUD SECTION
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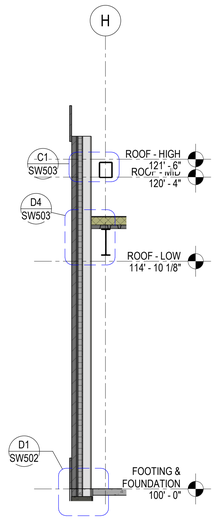

A3 SW301 STEEL STUD SECTION
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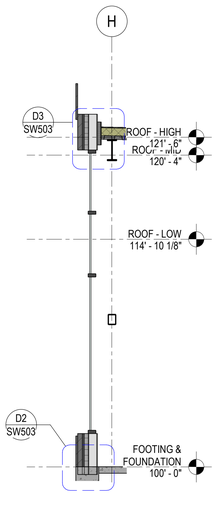

A4 SW301 STEEL STUD SECTION
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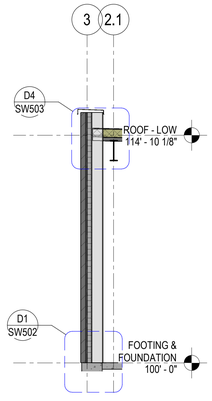

A6 SW301 STEEL STUD SECTION
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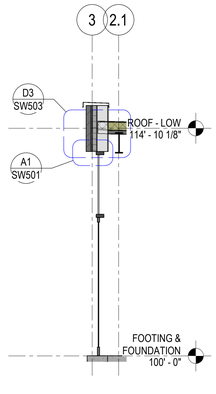

A7 SW301 STEEL STUD SECTION
SCALE: 1/4" = 1'-0"

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STEEL STUD WALL SECTIONS

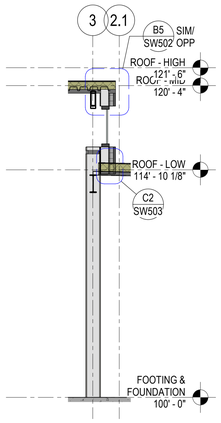
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

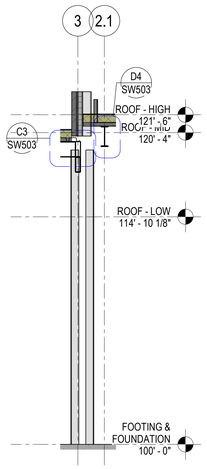
SHEET NUMBER:

SW301



C1 / SW302 STEEL STUD SECTION

SCALE: 1/4" = 1'-0"



C2 / SW302 STEEL STUD SECTION

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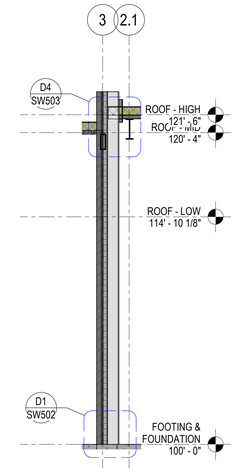

C3 / SW302 STEEL STUD SECTION

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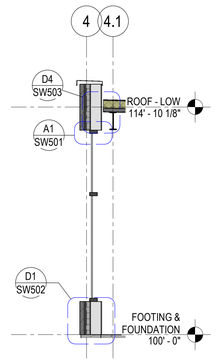

C4 / SW302 STEEL STUD SECTION

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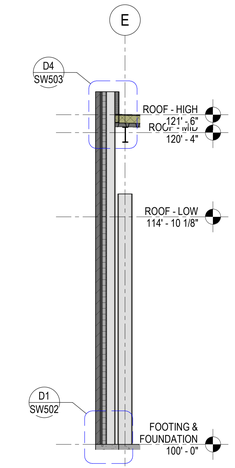

C5 / SW302 STEEL STUD SECTION

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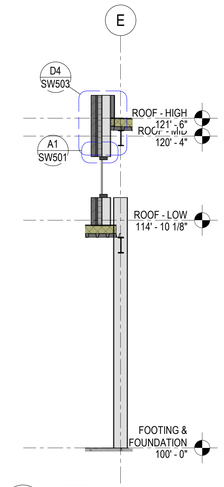
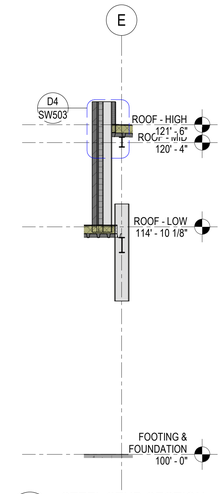


C6 / SW302 STEEL STUD SECTION

SCALE: 1/4" = 1'-0"



C7 / SW302 STEEL STUD SECTION

SCALE: 1/4" = 1'-0"

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

STEEL STUD WALL SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

SW302

STEEL ANGLE LINTEL SCHEDULE

BEARING EQUALS 1" PER FOOT OF OPENING OR 6" MINIMUM TYPICAL



OPENING SIZE	ANGLE SIZE
0'-0" - 7'-0"	L3.1/2x3.1/2x1/4
7'-0" - 9'-0"	L4x3.1/2x1/4
9'-0" - 10'-0"	L5x3.1/2x1/4

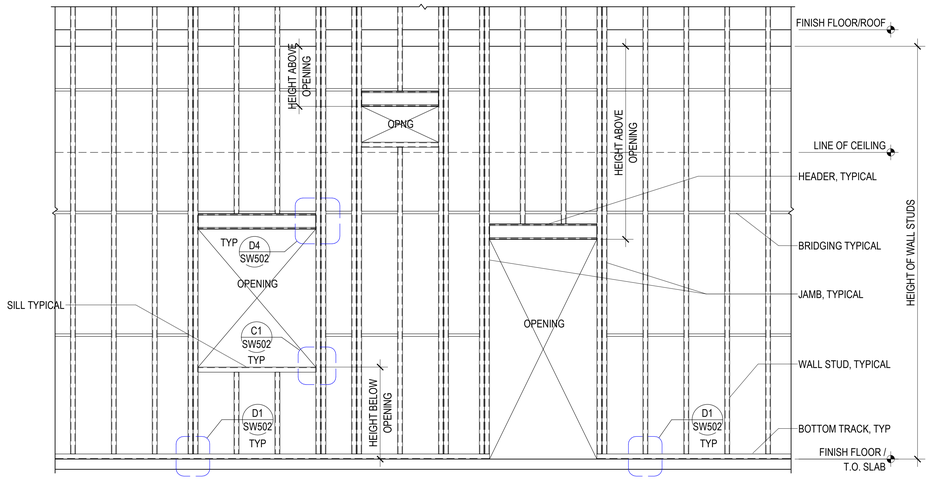
NOTES:
LINTELS ARE DESIGNED TO SUPPORT UNIFORM LOADS CONSISTING ONLY OF WEIGHT OF WALL WITHIN A 60 DEGREE ISOSCELES TRIANGLE AREA ABOVE OPENING.

ALL STEEL LINTELS ARE TO HAVE LONG LEG VERTICAL.

LINTEL SCHEDULE FOR 4" VENEER

ALL ANGLE LINTELS SHALL BE GALVANIZED.

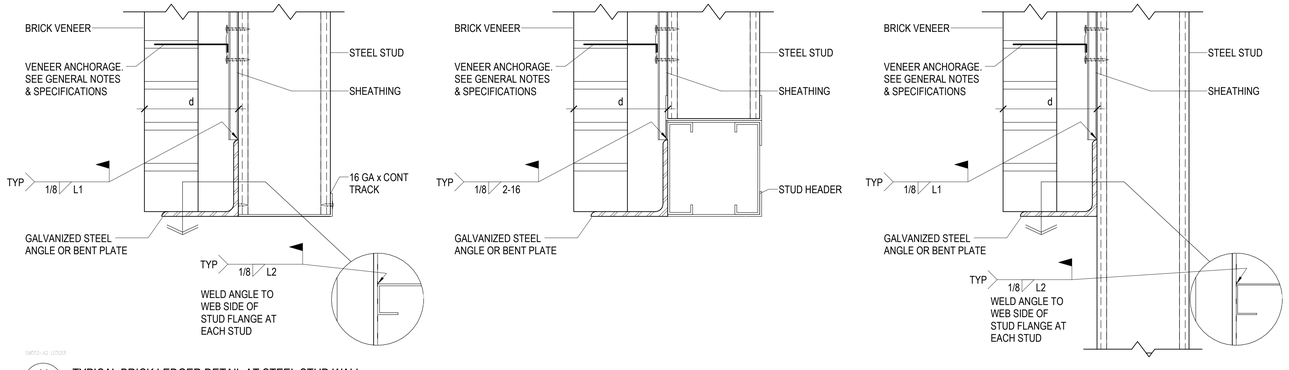
C2 / SW501 STEEL ANGLE LINTEL SCHEDULE
NO SCALE



D4 / SW501 TYPICAL EXTERIOR WALL OPENING FRAMING ELEVATION
NO SCALE

BRICK LEDGER ANGLE SCHEDULE

d	ANGLE SIZE	WELD LENGTH L1	WELD LENGTH L2	NOTES
UP TO 5"	L4x4x3/8	1.1/2"	1"	
≤ 6"	L5X5x3/8	1.1/2"	2"	
≤ 7"	L6x6x3/8	1.1/2"	3"	
≤ 8"	7x7x3/8 BENT PLATE	1.1/2"	4"	
≤ 9"	L8x8x1/2	1.1/2"	5"	
≤ 10"	9x9x1/2 BENT PLATE	1.1/2"	6"	



A1 / SW501 TYPICAL BRICK LEDGER DETAIL AT STEEL STUD WALL
NO SCALE

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

EXTERIOR STEEL STUD DETAILS

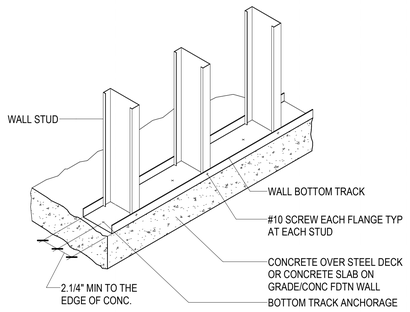
REVISIONS

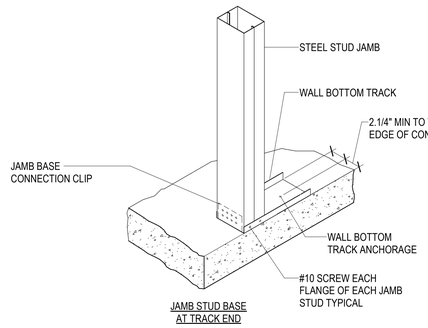
MARK	DATE	DESCRIPTION

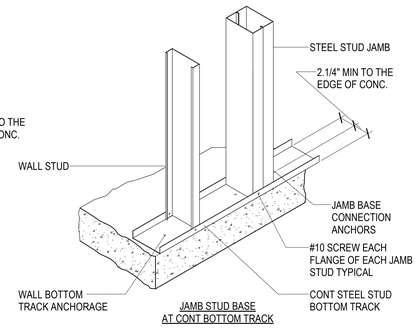
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

SW501

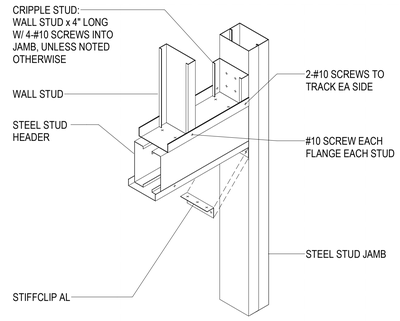


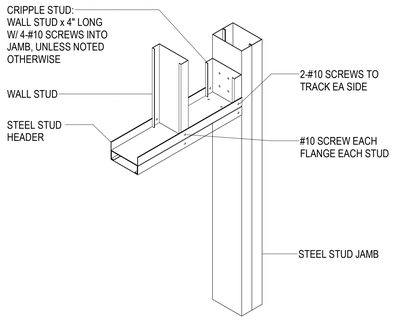




D1 / SW502 TYPICAL BOTTOM TRACK ANCHORAGE DETAILS

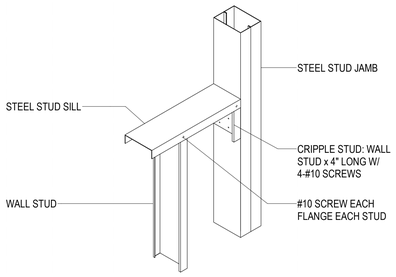
NO SCALE

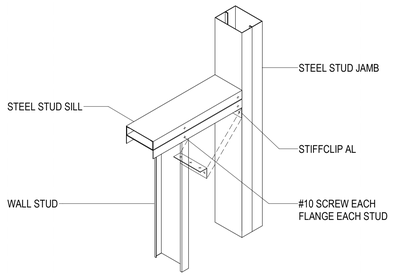




D4 / SW502 TYPICAL HEADER CONNECTION DETAILS

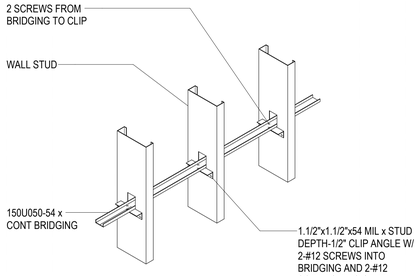
NO SCALE



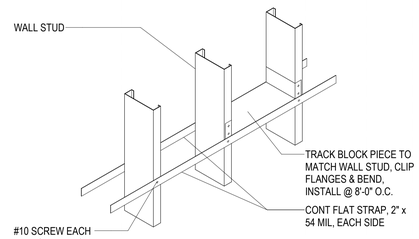


C1 / SW502 TYPICAL SILL CONNECTION DETAILS

NO SCALE



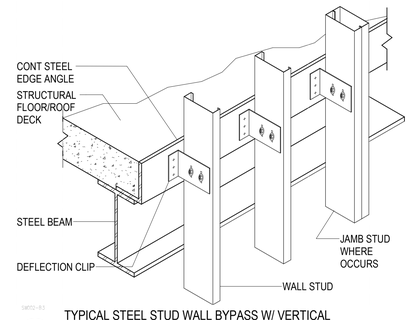
OPTION #1



OPTION #2

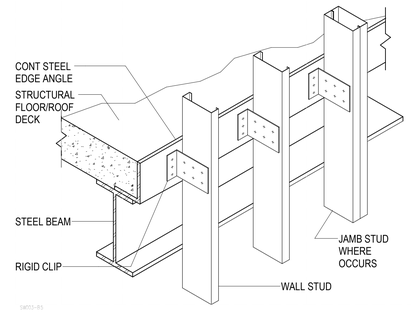
C3 / SW502 TYPICAL STEEL STUD WALL BRIDGING DETAIL

NO SCALE



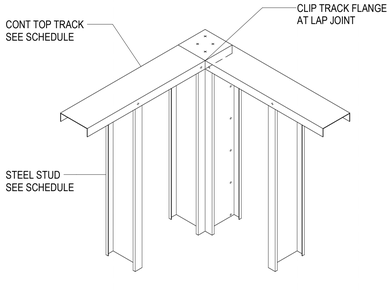
B4 / SW502 TYPICAL STEEL STUD WALL BYPASS W/ VERTICAL DEFLECTION

NO SCALE



B5 / SW502 TYPICAL STEEL STUD WALL BYPASS W/ SUPPORT

NO SCALE



A3 / SW502 TYPICAL WALL FRAMING AT CORNER TRACK LAP CONNECTION

NO SCALE

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PROFESSIONAL STRUCTURAL ENGINEER
No. 8551927-2203
GRAHAM T. OXBORROW
STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITY CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

EXTERIOR STEEL STUD DETAILS

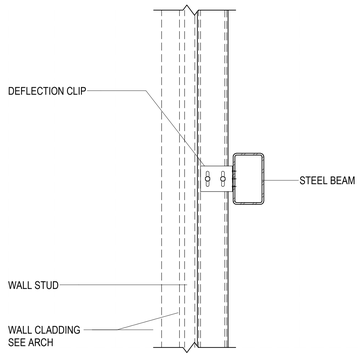
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Review

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

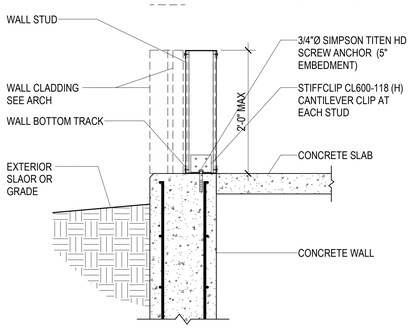
SHEET NUMBER:

SW502



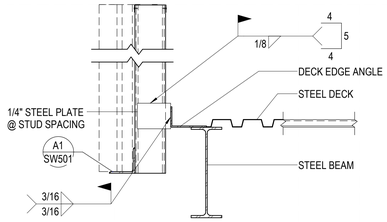
D1 / SW503 — STEEL STUD WALL BYPASS DETAIL AT STEEL TUBE - DEFLECTION CONNECTION

NO SCALE



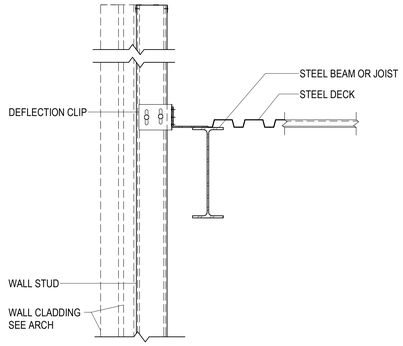
D2 / SW503 — CANTILEVERED STEEL STUD WALL DETAIL AT CONCRETE WALL

NO SCALE



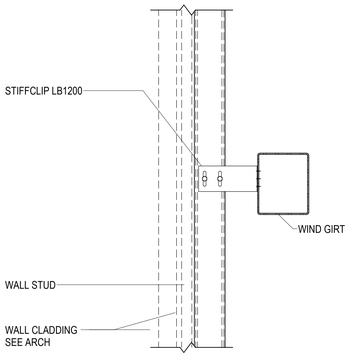
D3 / SW503 — CANTILEVERED STEEL STUD CONDITION

NO SCALE



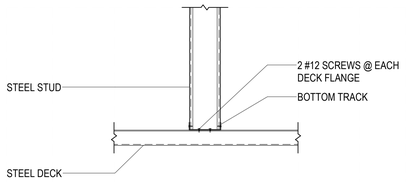
D4 / SW503 — STEEL STUD WALL BYPASS DETAIL AT ROOF - DEFLECTION CONNECTION

NO SCALE



C1 / SW503 — STEEL STUD WALL BYPASS DETAIL AT WIND GIRT - DEFLECTION CONNECTION

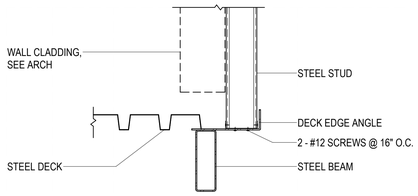
NO SCALE



Detail Name

C2 / SW503 — STEEL STUD BEARING ON STEEL DECK

NO SCALE



Detail Name

C3 / SW503 — STEEL STUD BEARING ON DECK EDGE ANGLE

NO SCALE

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2021.0089D DFCM Richfield Regional Center New
5/21/2026 11:20:10 AMBuilding- S24.rvt

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DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

EXTERIOR STEEL STUD DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
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CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

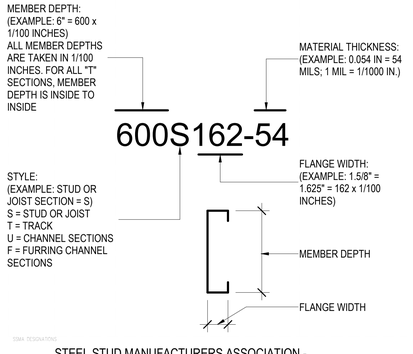
SHEET NUMBER:

SW503

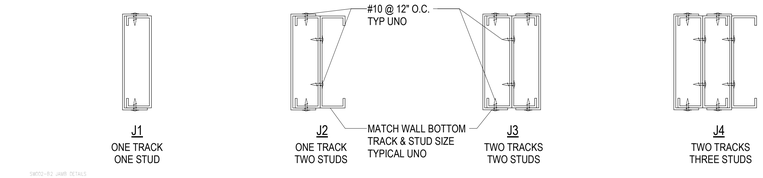
NON-LOAD BEARING EXTERIOR STEEL STUD FRAMING SCHEDULE

WALL							MAXIMUM OPENING WIDTH	JAMB			HEADER		SILL	
MAXIMUM WALL HEIGHT	STUD DESIGNATION	TOP TRACK DESIGNATION	TOP CONNECTION	BOTTOM TRACK DESIGNATION	BASE CONNECTION	BRIDGING		JAMB OPTIONS	TOP CONNECTION	JAMB CONNECTION	MAXIMUM WALL HEIGHT ABOVE OPENING	TYPE	MAXIMUM WALL HEIGHT BELOW OPENING	TYPE
23'-6" WITH UP TO 3'-0" PARAPET WIND = 28.5 PSF	600S162-54 @ 16" O.C.	600S250-97 DEEP LEG SLOTTED DEFLECTION TRACK 600S250-97 DEEP LEG DRIFT TRACK	TO CONCRETE: 1/2"Ø SCREW ANCHOR W/ 4" MIN EMBEDMENT TO STRUCTURAL STEEL: SLAB/BEAM UNDERSIDE CONNECTION: RIGID CLIP: STIFFCLIP AL600 DEFLECTION CLIP: VERTICLIP SL600 SLAB EDGE BYPASS CONNECTION: RIGID CLIP: STIFFCLIP LB600 DEFLECTION CLIP: VERTICLIP SLB600 DRIFT CLIP: DRIFTCLIP DSLB600 CANTILEVERED WALL CONNECTION: CANTILEVERED CLIP: STIFFCLIP CL600	600T125-54	1/2"Ø SCREW ANCHOR W/ 4" MIN EMBEDMENT @ 24" O.C.	REQUIRED @ 4'-0" O.C. VERTICAL SPACING	4'-0"	600S162-54 & 600T125-54 TYPE J1	TO CONCRETE: 1/2"Ø SCREW ANCHOR W/ 4" MIN EMBEDMENT BYPASS CONNECTION: DRIFT CLIP DSLB600	AT CONT. BOTTOM TRACK: 1/2"Ø SCREW ANCHOR W/ 4" EMBEDMENT AT TERMINAL BOTTOM TRACK: STIFFCLIP CL600 W/ 1/2"Ø SCREW ANCHOR W/ 4" EMBEDMENT	5'-0"	2-600S162-54 & 2-600T125-54 TYPE H2	5'-0"	600T125-54 TYPE S1
								2-600S162-54 TYPE M2			10'-0"	2-600S162-54 & 2-600T125-54 TYPE H2	10'-0"	600T125-54 TYPE S1
											15'-0"	2-600S162-54 & 2-600T125-54 TYPE H2	15'-0"	600T125-54 TYPE S1
							11'-0"	600S162-54 & 600T125-54 TYPE J1	TO CONCRETE: 1/2"Ø SCREW ANCHOR W/ 4" MIN EMBEDMENT BYPASS CONNECTION: DRIFT CLIP DSLB600	AT CONT. BOTTOM TRACK: 1/2"Ø SCREW ANCHOR W/ 4" EMBEDMENT AT TERMINAL BOTTOM TRACK: STIFFCLIP CL600 W/ 1/2"Ø SCREW ANCHOR W/ 4" EMBEDMENT	5'-0"	2-600S250-68 & 2-600T125-54 TYPE H2	5'-0"	600T125-54 TYPE S1
								2-600S162-54 TYPE M2			10'-0"	2-600S162-54 & 2-600T125-54 TYPE H2	10'-0"	600T125-54 TYPE S1
											15'-0"	2-600S162-54 & 2-600T125-54 TYPE H2	15'-0"	600T125-54 TYPE S1

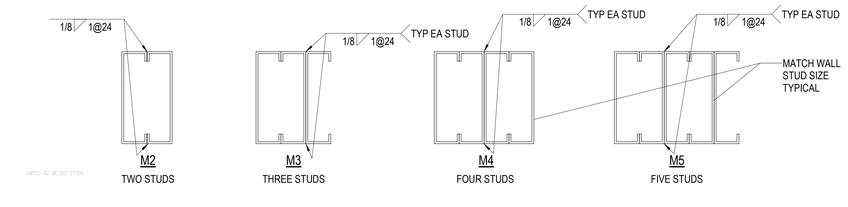
NOTES:
1. CONTRACTOR MAY CHOOSE BETWEEN THE SCREWED OR WELDED JAMB OPTIONS.
2. CONFIGURE STUD/TRACK COMBINATIONS FOR JAMBS, HEADERS AND SILLS PER TYPICAL DETAILS.
3. FILL ALL HOLES IN CONNECTION HARDWARE WITH: HILTI X-U FASTENERS W/ 1.1/2" EMBEDMENT TO STRUCTURAL CONCRETE, HILTI X-U 15 FASTENERS TO STRUCTURAL STEEL, AND #12 SCREWS TO LIGHT GAUGE STEEL, OR ENGINEER APPROVED EQUIVALENT, U.N.O.
4. MAX OPENING HEIGHT FROM SILL TO HEADER IS 8'-0"
5. WALL HEIGHT IN SCHEDULE IS THE VERTICAL DISTANCE BETWEEN CONNECTIONS OF STUDS TO STRUCTURAL FLOORS, ROOFS, OR GIRTS.
6. A JAMB BETWEEN OPENINGS SHALL USE THE COMBINED WIDTH OF THE TWO OPENINGS AS THE OPENING WIDTH.
7. UNLESS NOTED OTHERWISE, ALL STUDS & TRACKS IN JAMB COMPONENTS, HEADER COMPONENTS , AND SILL COMPONENTS SHALL BE CONTINUOUS BETWEEN SUPPORTS. UNLESS NOTED OTHERWISE, ALL WALL STUDS SHALL BE CONTINUOUS BETWEEN SUPPORTS.
8. STEEL STUD WALL TRACKS AND BRIDGING SHALL NOT BE CONTINUOUS THROUGH VERTICAL JOINTS. UNLESS NOTED OTHERWISE. STEEL STUDS FOR WALLS OR JAMBS SHALL NOT BE CONTINUOUS THROUGH DRIFT JOINTS, UNLESS NOTED OTHERWISE.
9. STEEL STUD CONNECTIONS USING DRIFT CLIPS ALLOW FOR LATERAL DRIFT OF THE STRUCTURE IN THE PLANE OF THE STUD WALL FRAMING AS WELL AS VERTICAL DEFLECTION OF THE STRUCTURE. STEEL STUD CONNECTIONS USING DEFLECTION CLIPS ALLOW FOR VERTICAL DEFLECTION OF THE STRUCTURE. STEEL STUD CONNECTIONS USING RIGID CLIPS CONNECTS THE WALL RIGIDLY TO THE STRUCTURE AND DOESN'T ALLOW FOR INDEPENDENT LATERAL OR VERTICAL MOVEMENT.
10. STITCH WELDING HEADER AND SILL TRACKS AND STUDS TOGETHER IN LIEU OF FASTENING USING SELF-DRILLING SCREWS IS POSSIBLE BUT THE WELD PATTERN AND LOCATIONS OF WELDING MUST BE SUBMITTED FOR REVIEW. CHANGE ORDER REQUESTS BASED ON THE CONTRACTOR'S REQUEST TO SUBSTITUTE WELDING FOR SELF-DRILLING SCREWS WILL NOT BE ACCEPTED



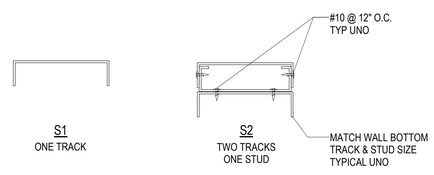
A1 SW601 — STEEL STUD MANUFACTURERS ASSOCIATION - NOMENCLATURE
NO SCALE



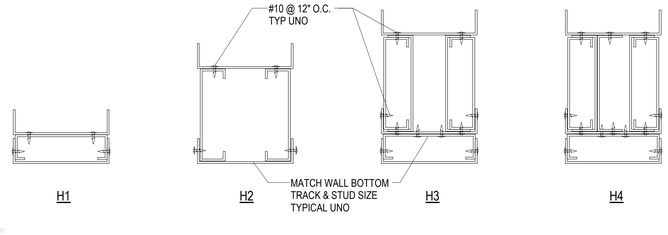
B2 SW601 — TYPICAL STEEL STUD JAMB SECTIONS
NO SCALE



A2 SW601 — TYPICAL WELDED STUD JAMB SECTIONS
NO SCALE



B4 SW601 — TYPICAL STUD SILL SECTIONS
NO SCALE



A4 SW601 — TYPICAL STUD HEADER SECTIONS
NO SCALE

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STATE OF UTAH
4/10/2026

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

NON-LOAD BEARING EXTERIOR STUD WALL SCHEDULE

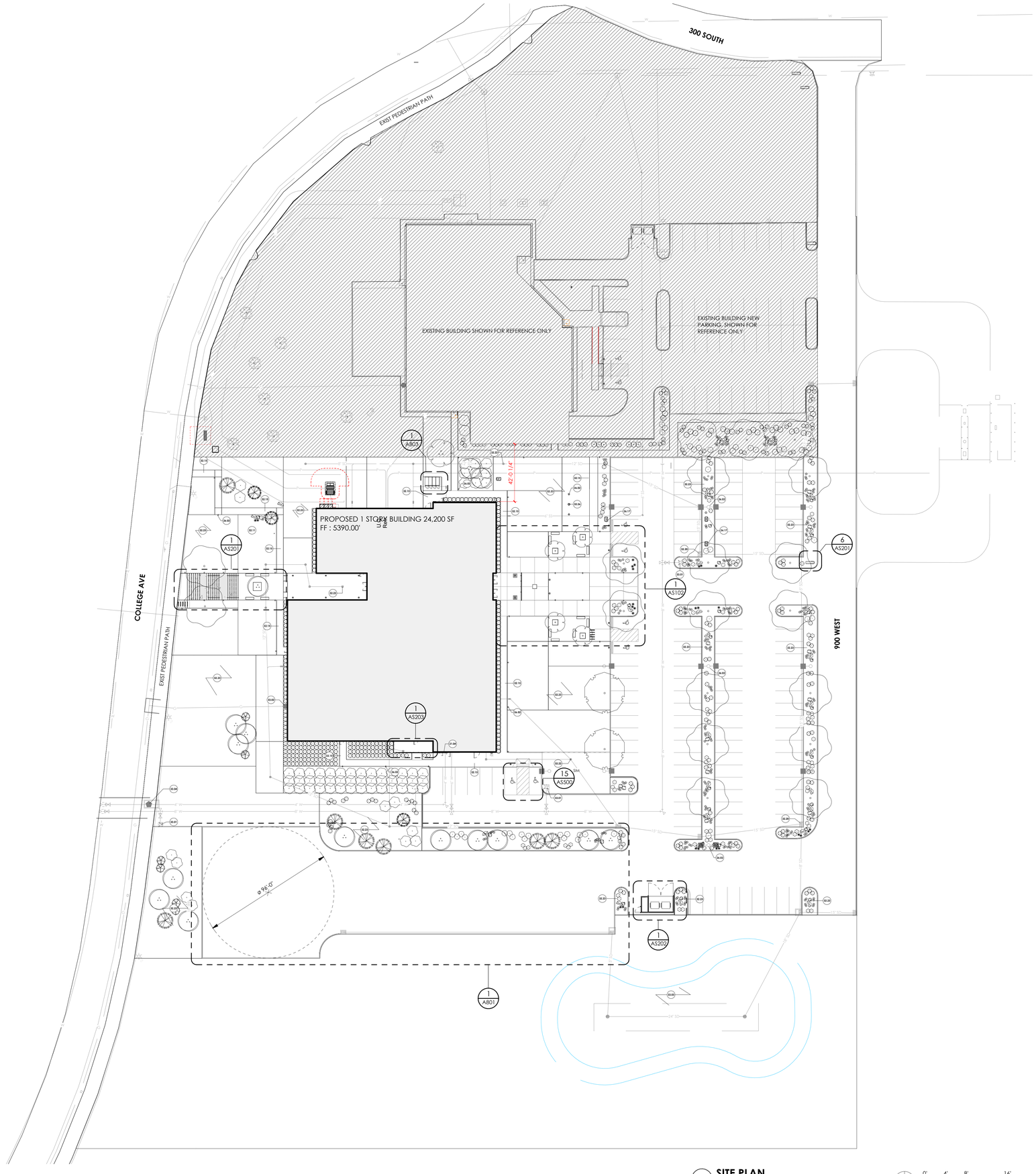
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **MC**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

SW601



1 **SITE PLAN**
1" = 30'-0"

0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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KEYED NOTES:

21.04	KNOX BOX, SEE ELEVATIONS
26.02	EXTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS, TYP
26.17	EV CHARGER, SEE ELECTRICAL DRAWINGS
32.11	CONCRETE PAVERS, SEE LANDSCAPE DRAWINGS
32.15	CAST-IN-PLACE CONCRETE PATH, SEE CIVIL DRAWINGS
32.20	CURB AND GUTTER INLET, SEE CIVIL DRAWINGS, TYP.
32.22	AREA DRAIN - SEE CIVIL, TYP
32.23	LANDSCAPE AREAS, SEE LANDSCAPE PLANS
32.26	FLAGPOLE
33.01	FIRE HYDRANT, SEE CIVIL DRAWINGS
33.02	GAS METER, SEE CIVIL DRAWINGS
33.03	DETENTION BASIN, SEE CIVIL DRAWINGS
33.04	WATER METER, SEE CIVIL DRAWINGS

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN COLBERT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ARCHITECTURAL SITE PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

AS101

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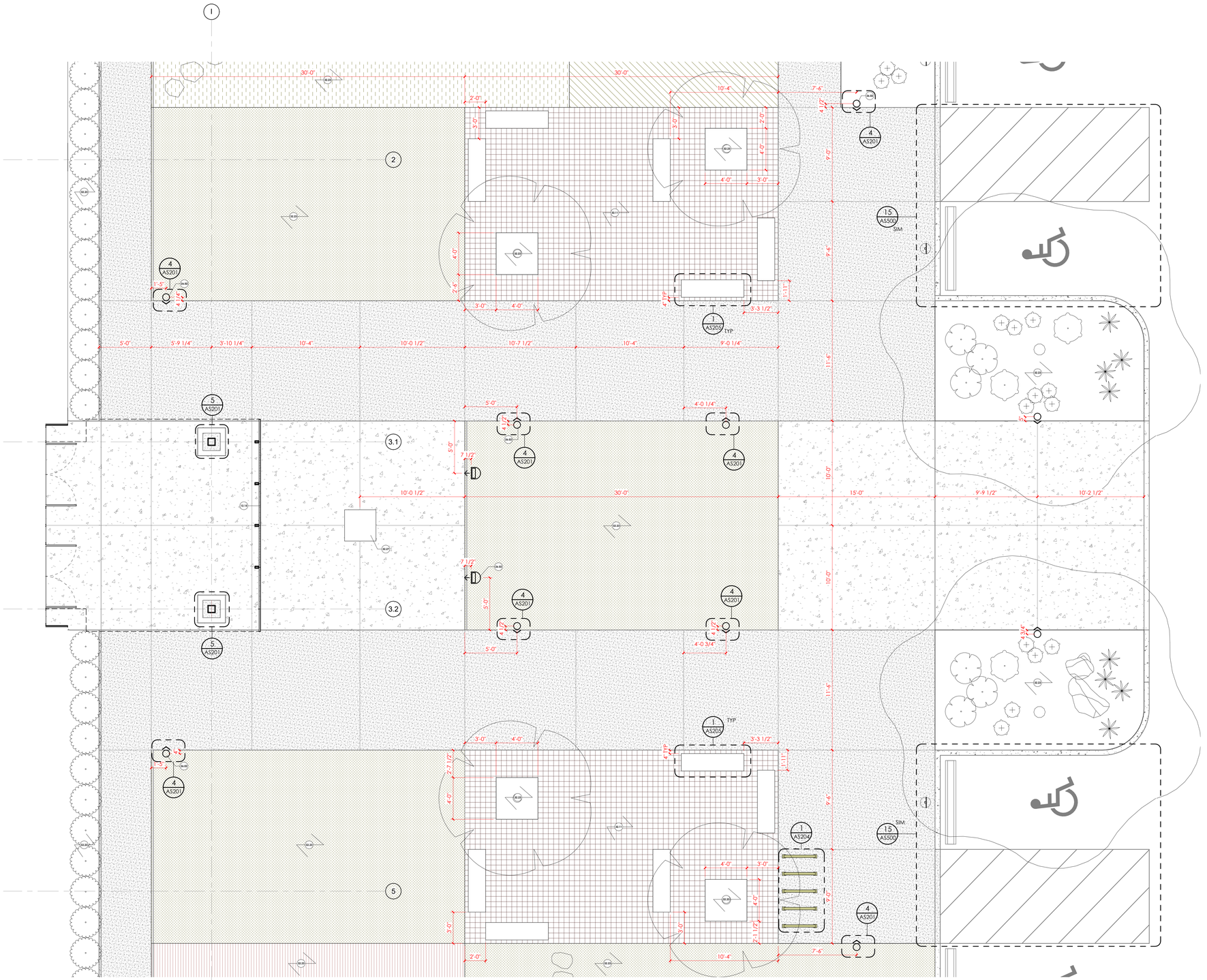

1 **SITE PLAN - PLAZA**
1/4" = 1'-0"

0' 4' 8' 16' 24'

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KEYED NOTES:

12.15	WOVEN MESH SCREEN HIDDEN FOR DRAWINGS CLARITY, SEE A311
26.02	EXTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS, TYP
32.11	CONCRETE PAVERS, SEE LANDSCAPE DRAWINGS
32.23	LANDSCAPE AREAS, SEE LANDSCAPE PLANS
32.27	ARTIST SCULPTURE, SHOWN FOR LOCATION AND SITING, SEE ARTIST DRAWINGS

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ARCHITECT / CONSULTANT

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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED SITE PLAN - PLAZA

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

AS102

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GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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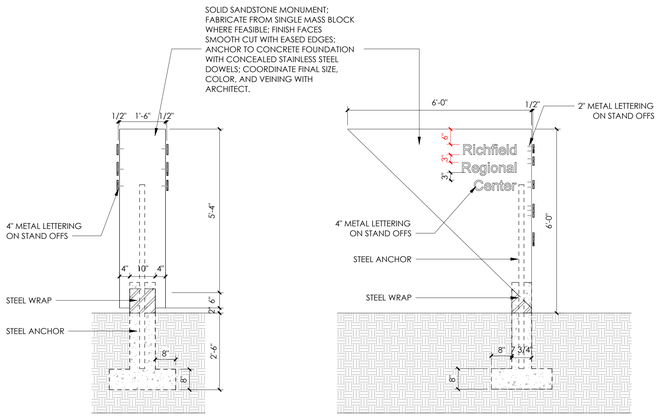
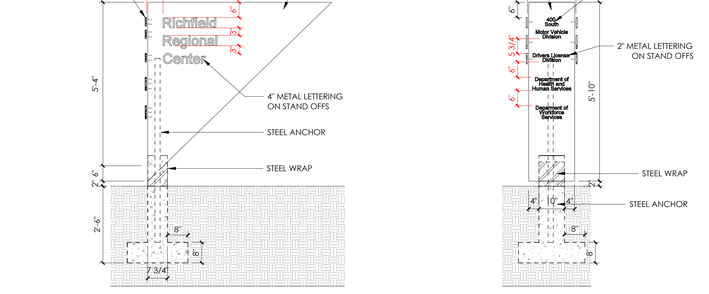


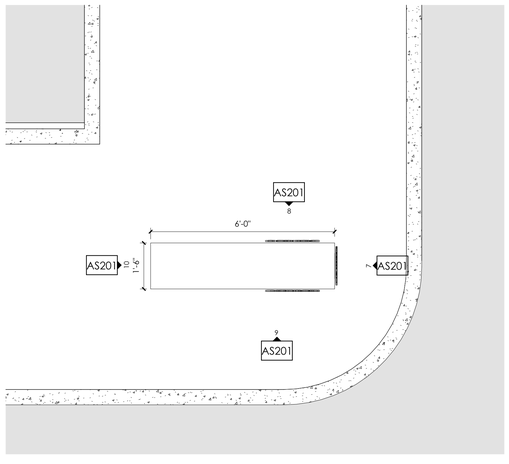
10 BUILDING SIGN - WEST
1/2" = 1'-0"

9 BUILDING SIGN - SOUTH
1/2" = 1'-0"

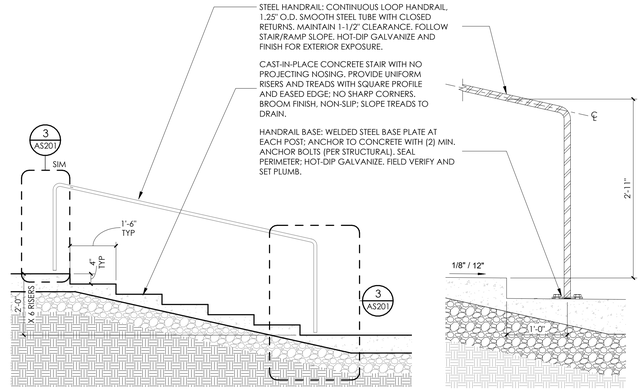


8 BUIDLING SIGN - NORTH
1/2" = 1'-0"

7 BUILDING SIGN - EAST
1/2" = 1'-0"

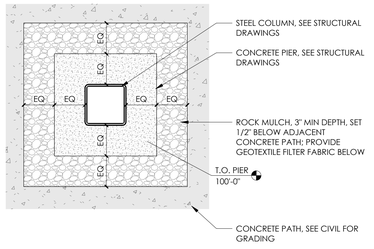


6 SITE PLAN - NEW BUILDING SIGN
1/2" = 1'-0"

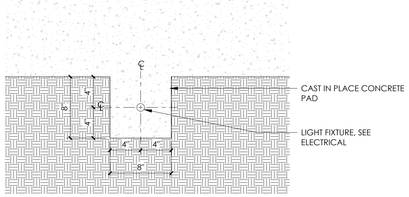


2 SITE - STAIR SECTION - TYP
1/2" = 1'-0" , DWG REF: AS201

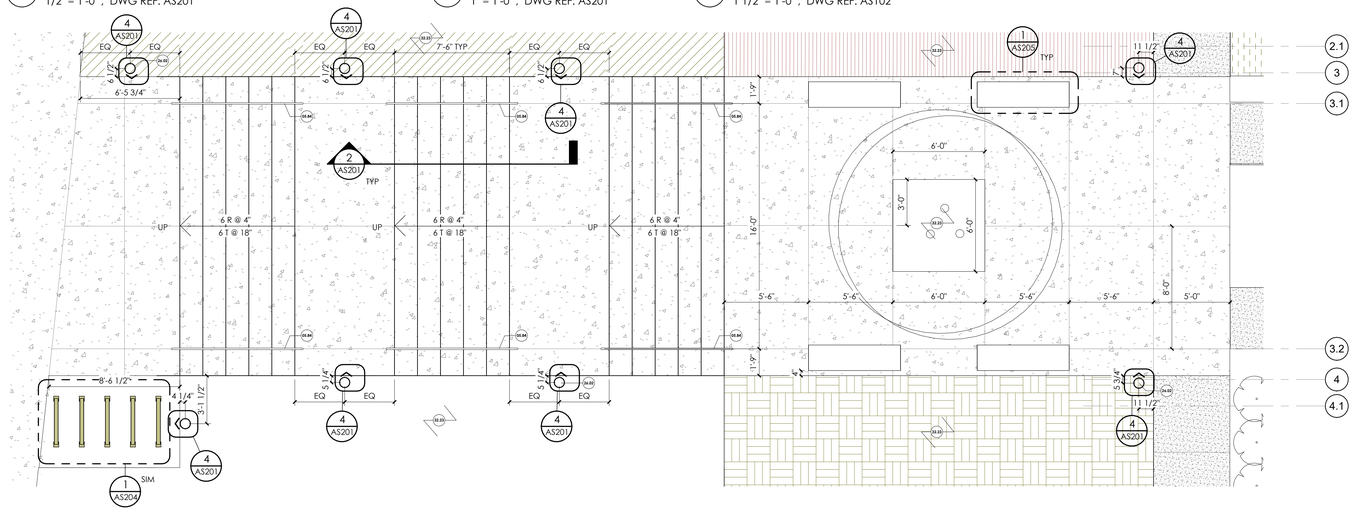
3 SITE - STAIR RAILING - TYP
1" = 1'-0" , DWG REF: AS201



5 EXTERIOR COLUMN BASE - PLAN
1" = 1'-0" , DWG REF: A311



4 SITE DETAILS - BALLARD LIGHT POST
1 1/2" = 1'-0" , DWG REF: AS102



1 ENLARGED PLAN - WEST STAIR
1/4" = 1'-0"

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSBERT
No 8715389-0301
LICENSED ARCHITECT
05.26.2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SITE DETAILS - MONUMENT SIGNAGE / WEST STAIR

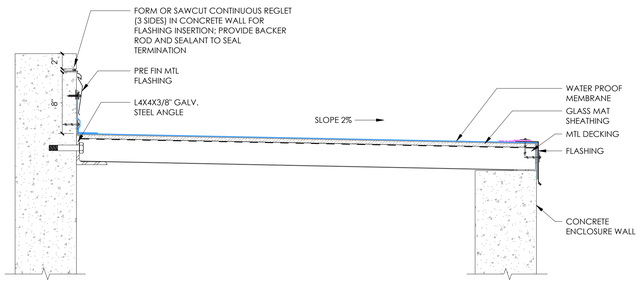
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

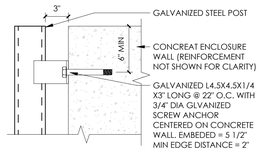
SHEET NUMBER:

AS201



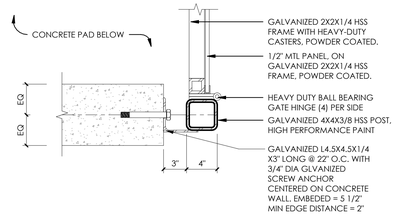
10 ROOF SECTION - TRASH ENCLOSURE

1 1/2" = 1'-0"



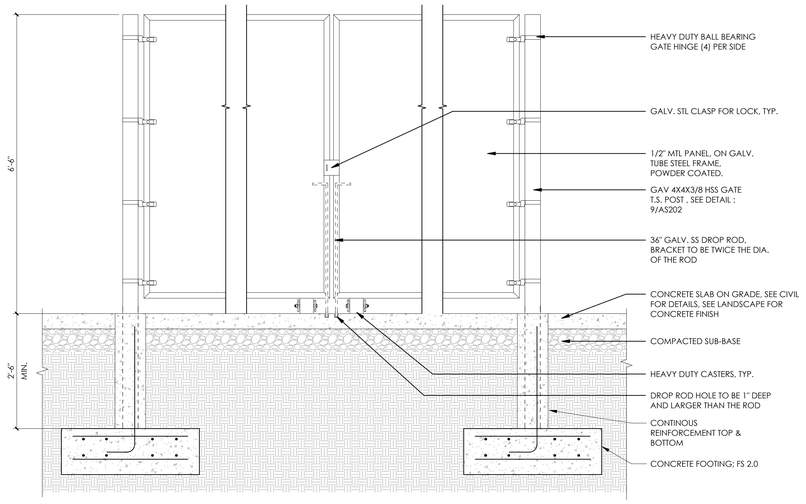
9 DETAIL - TRASH ENCLOSURE DOOR POST ATTACHMTN

1 1/2" = 1'-0"



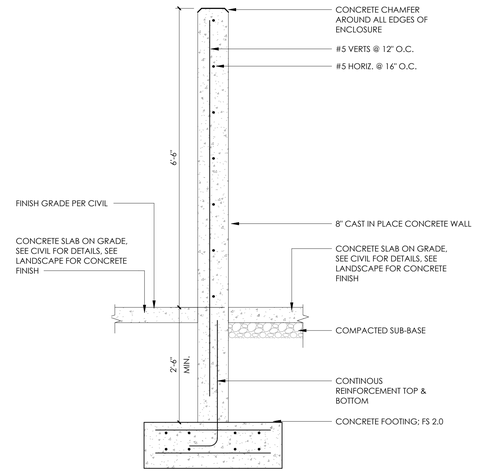
8 SITE - GATE JAMB TRASH ENCLOSURE

1 1/2" = 1'-0"



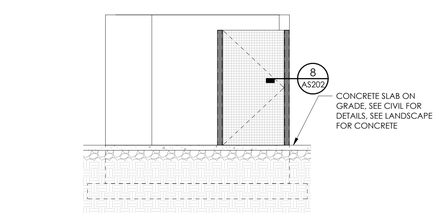
7 SITE - GATE ELEVATION - TRASH ENCLOSURE

3/4" = 1'-0" ,



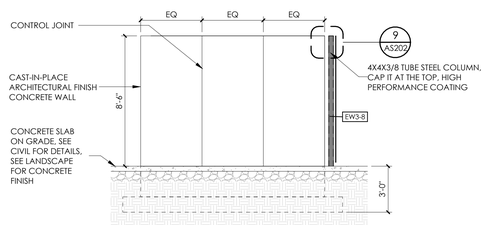
6 SITE - TRASH ENCLOSURE WALL SECTION

3/4" = 1'-0"



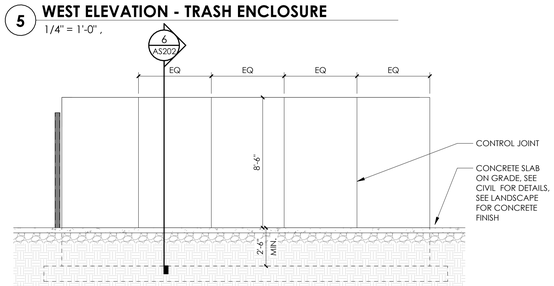
5 WEST ELEVATION - TRASH ENCLOSURE

1/4" = 1'-0" ,



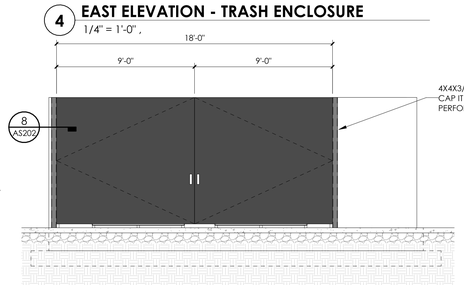
4 EAST ELEVATION - TRASH ENCLOSURE

1/4" = 1'-0" ,



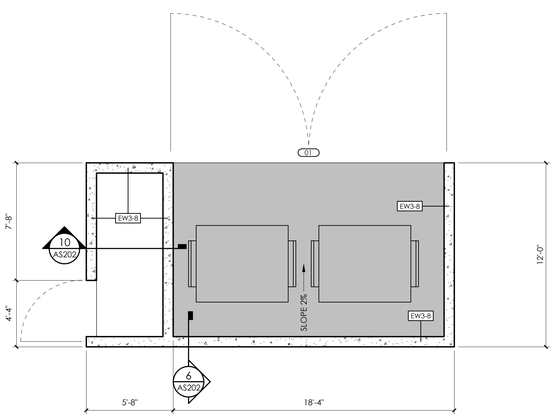
3 SOUTH ELEVATION - TRASH ENCLOSURE

1/4" = 1'-0" ,



2 NORTH ELEVATION - TRASH ENCLOSURE

1/4" = 1'-0" ,



1 TRASH ENCLOSURE ENLARGED PLAN

1/4" = 1'-0"

GENERAL NOTES:

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN CROSBY
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SITE DETAILS - TRASH ENCLOSURE

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

AS202

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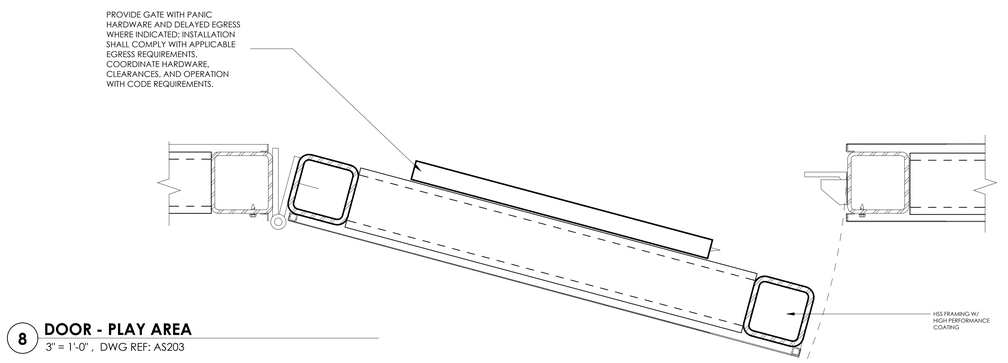
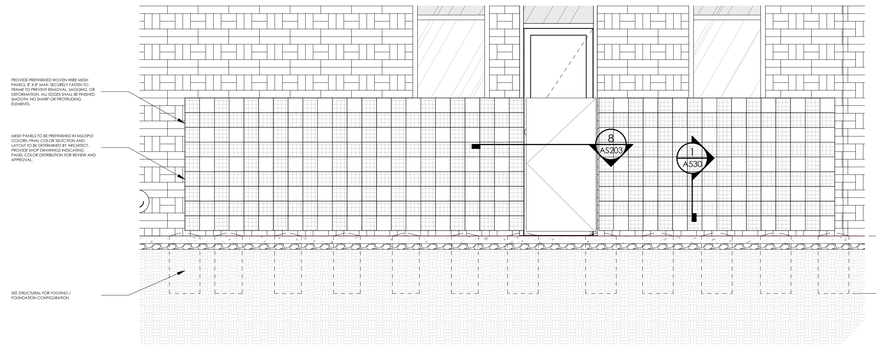
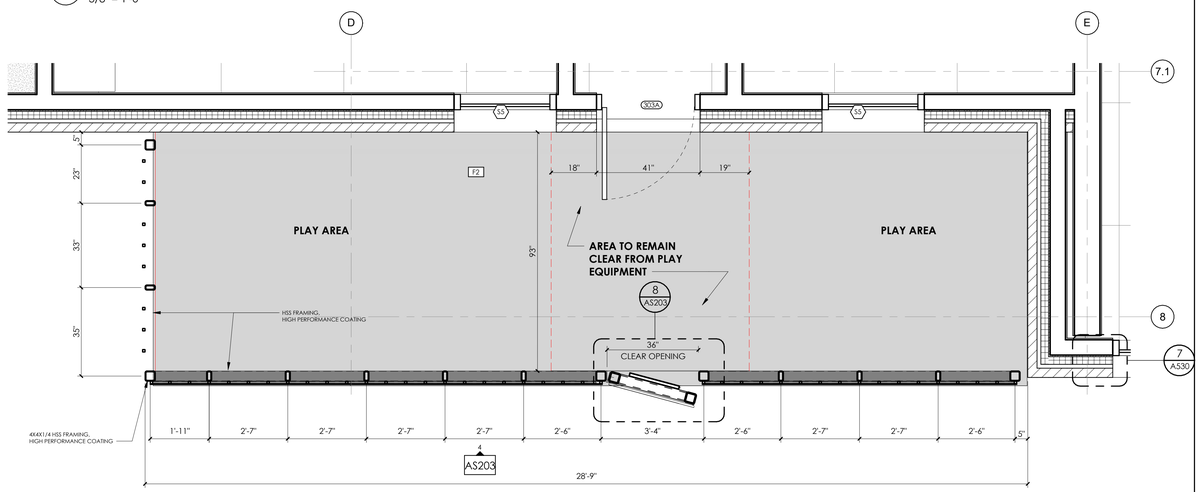


8 DOOR - PLAY AREA
3" = 1'-0" , DWG REF: AS203



4 PLAY AREA - SOUTH
3/8" = 1'-0"



1 ENLARGED PLAN - PLAY AREA
1/2" = 1'-0"

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salt lake city, ut 84105
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ARCHITECT / CONSULTANT

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SITE DETAILS - PLAY AREA

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

AS203

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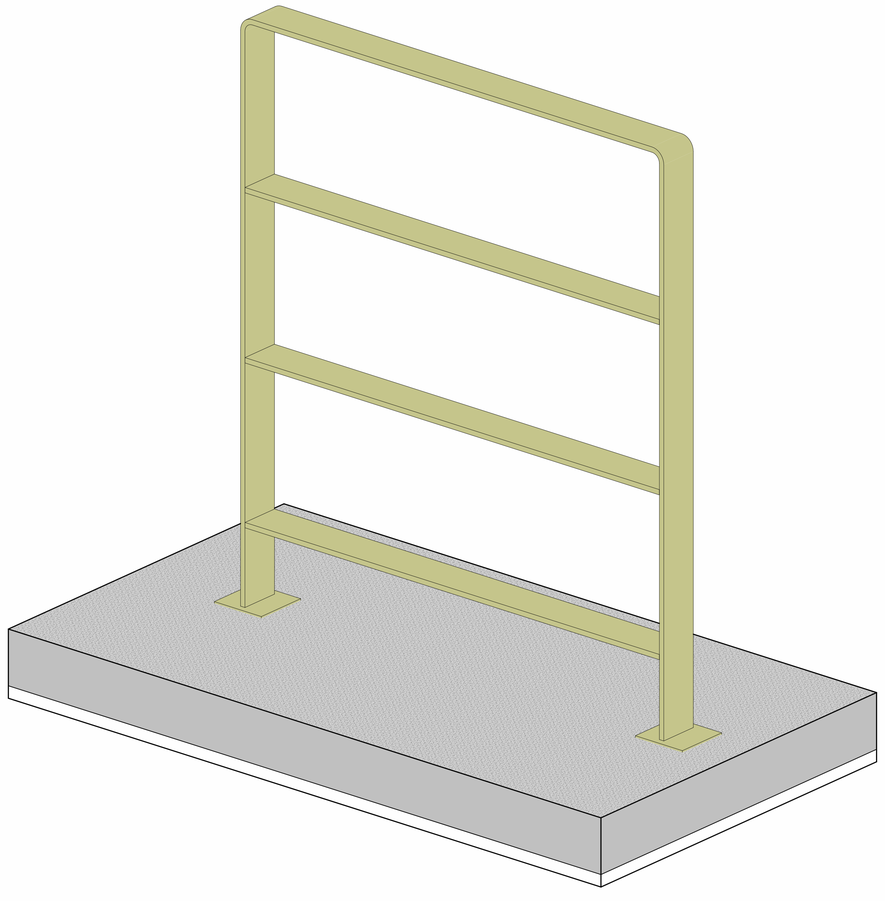
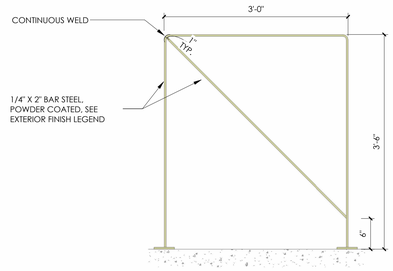
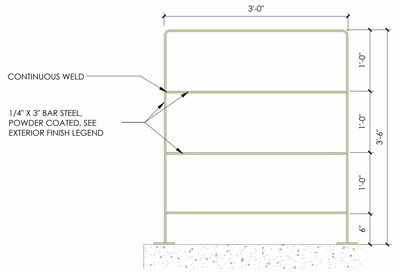


2 TYP BIKE RACK 3D



7 ELEVATION - BR5
1" = 1'-0"



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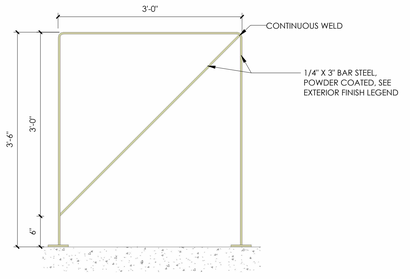

5 ELEVATION - BR3
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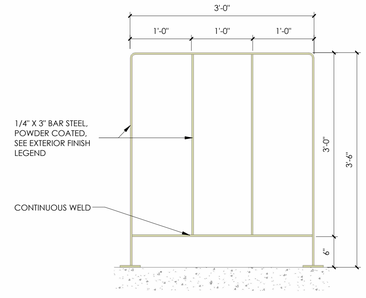

4 ELEVATION - BR2
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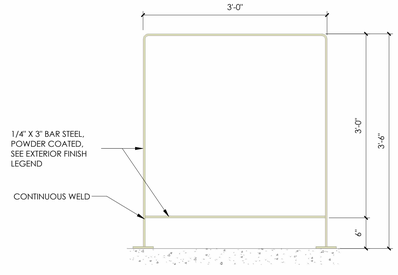
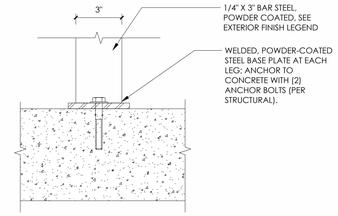
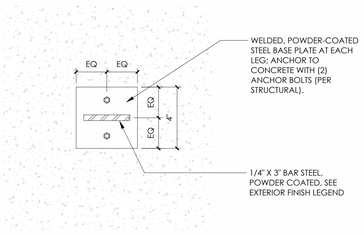


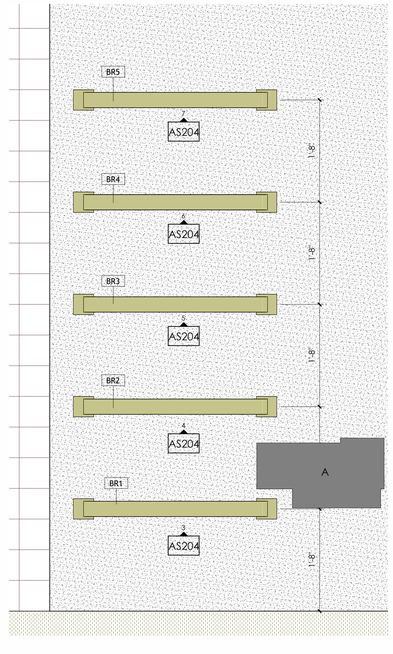
3 ELEVATION - BR1
1" = 1'-0"



9 SECTION DETAIL - BIKE RACK
3" = 1'-0"



8 PLAN DETAIL - BIKE RACK
3" = 1'-0"



1 PLAN - BIKE RACK
1" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK. AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

THIS IS A REFLECTED CEILING PLAN AND IS NOT TO BE INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN, SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS/GRILLES ETC.

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSBURT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SITE DETAILS - BIKE RACKS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

AS204

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:19:43 AM

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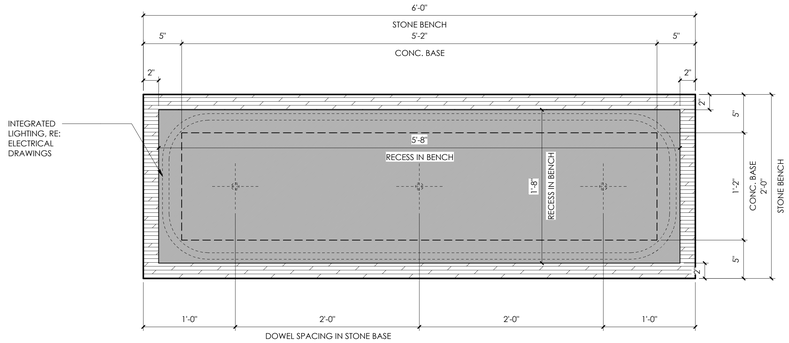
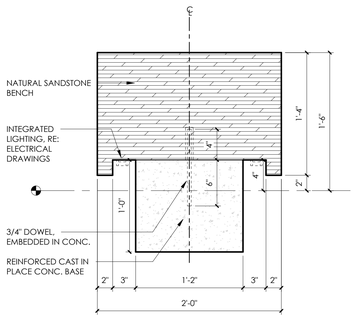


PLAN - UNDERSIDE STONE BENCH



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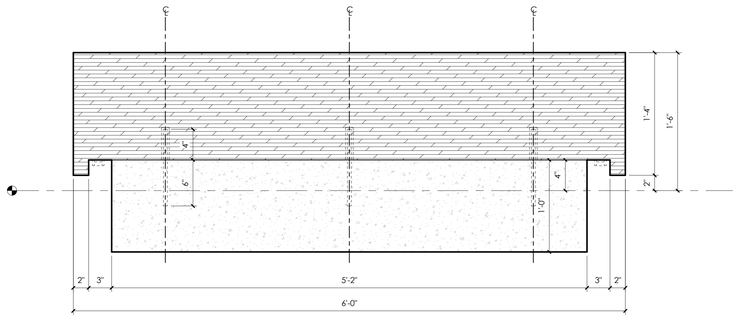
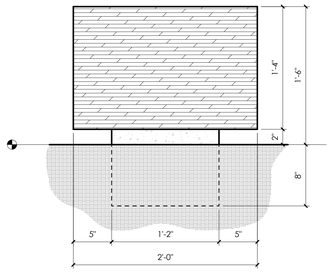
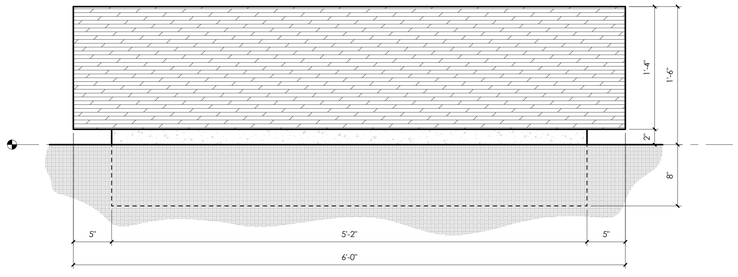


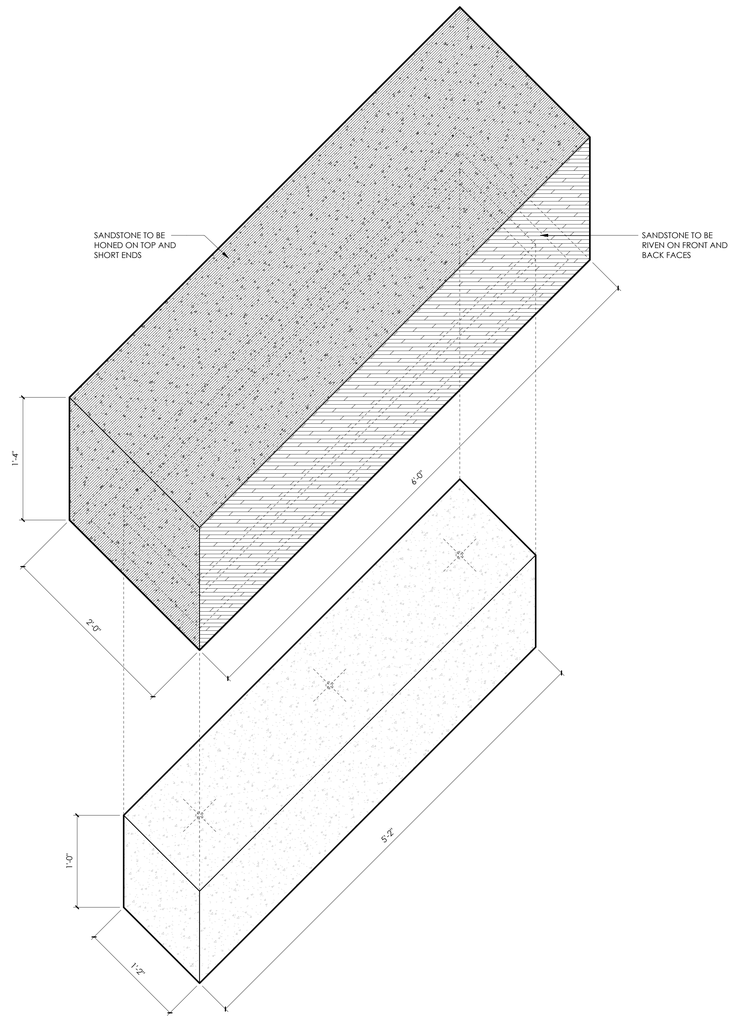
SECTION A



ELEVATION A



ELEVATION B



AXONOMETRIC

1 **SITE DTL - STONE BENCH**
1 1/2" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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HEBER EBEN TOMBERT
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05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SITE DETAILS - STONE BENCH

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

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AS205

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GENERAL NOTES:

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SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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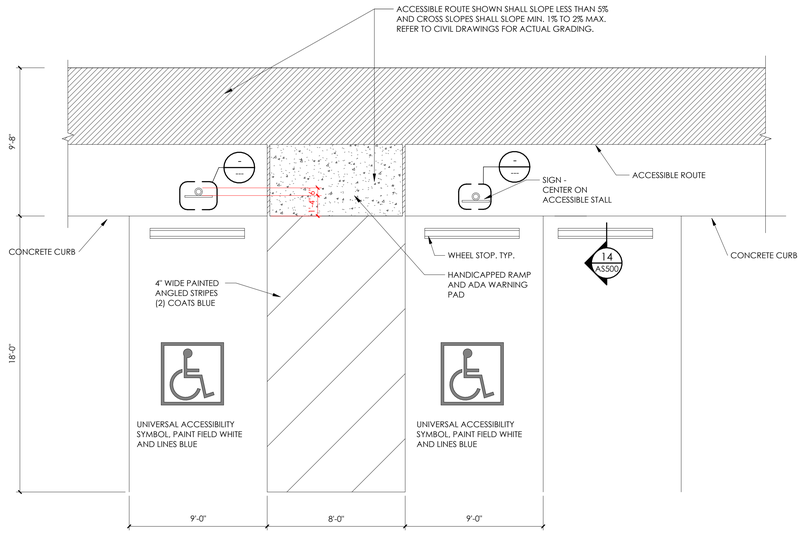
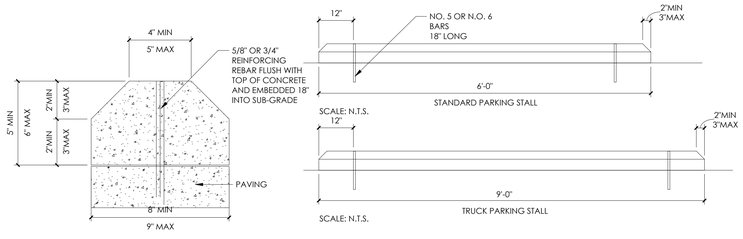


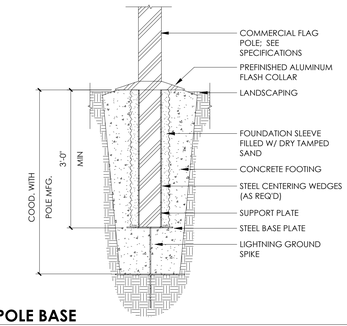
15 SITE - ADA PARKING STRIPING (GENERIC FOR REFERENCE ONLY)

1/4" = 1'-0" , DWG REF: AS101



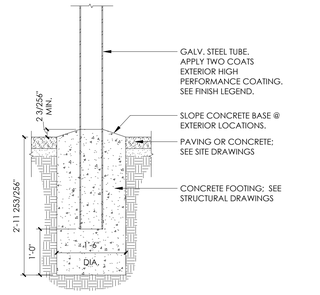
14 PRECAST CONCRETE WHEEL STOP

3" = 1'-0" , DWG REF: AS500



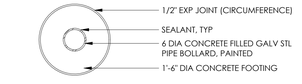
7 FLAGPOLE BASE

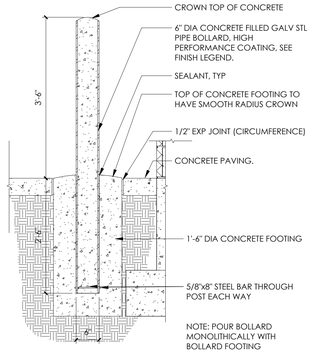
3/4" = 1'-0" ,



3 SITE - TYP. FENCE POST

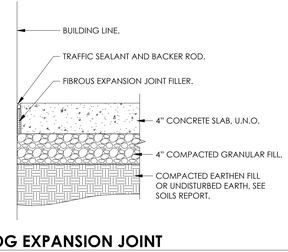
3/4" = 1'-0" ,





1 SITE - ROUND BOLLARD

3/4" = 1'-0" ,



9 SITE /BLDG EXPANSION JOINT

1 1/2" = 1'-0" ,

5/26/2026 9:19:47 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSSETT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SITE DETAILS - PARKING

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
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DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

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AS500

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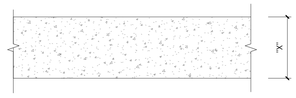
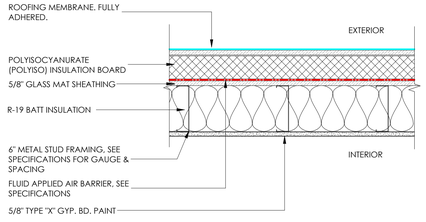
FW2 - X FOUNDATION WALL - CONCRETE - PIER - UNINSULATED

FW1 - X FOUNDATION WALL - CONCRETE - RIGID INSULATION

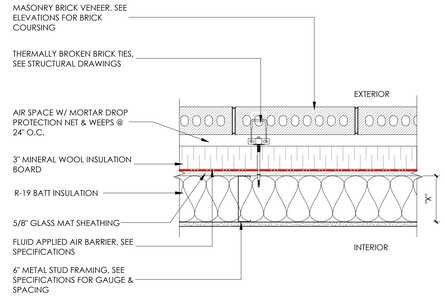


EW3 - X EXT - CAST-IN-PLACE CONCRETE



EW2 - X EXT - MTL STUD - PARAPET WALL - SELF ADHERED ROOFING MEMBRANE

R 36.68



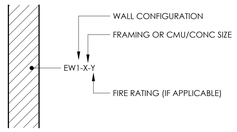
EW1 - X EXT - MTL STUD - MASONRY BRICK VENEER

R 36.68

BARRIER LEGEND (PRINT IN COLOR)

- ELASTOMERIC COATING
- FLUID APPLIED AIR BARRIER, SEE SPECIFICATIONS
- CONTINUOUS WATERPROOFING BELOW GRADE
- ROOFING MEMBRANE, MECHANICALLY FASTENED, SEE SPECIFICATIONS.
- ROOFING MEMBRANE, FULLY ADHERED.
- SELF ADHERED MEMBRANE FLASHING
- CONTINUOUS VAPOR BARRIER, SEAL ALL PENETRATIONS.

WALL TYPE SYMBOL



METAL FRAMING SIZES

0 = MTL FURRING, 7/8" OR AS INDICATED
1 = 1 5/8"
2 = 2 1/2"
3 = 3 5/8"
4 = 4"
6 = 6"
8 = 8"

WOOD FRAMING SIZES

0 = MTL FURRING, 7/8" OR AS INDICATED
4 = 2" X 4"
6 = 2" X 6"
8 = 2" X 8"

CMU AND CONCRETE SIZES

6 = 6"
8 = 8"
10 = 10"

FIRE RATING

.5 = 1/2 HOUR
1 = 1 HOUR
2 = 2 HOUR
3 = 3 HOUR

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ASSEMBLIES - EXTERIOR WALLS

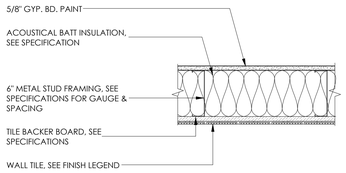
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

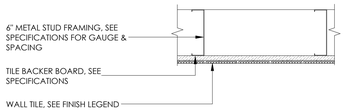
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **SF**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

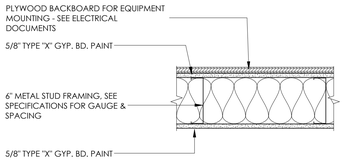
A010



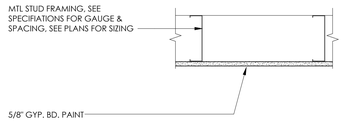
IW8 - X — **INT - MTL STUD 6" - TILE / GYP WALL**



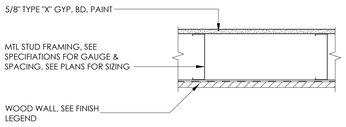
IW6 - X — **INT - MTL STUD 6" - ONE SIDE TILE WALL**



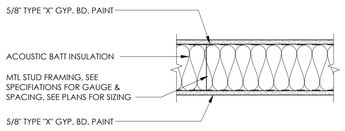
IW7 - X — **INT - MTL STUD 6" - (1) LAYER GYP BD,EACH SIDE, PLYWOOD**



IW3 - X — **INT - MTL STUD 6" - (1) LAYER GYP BD**

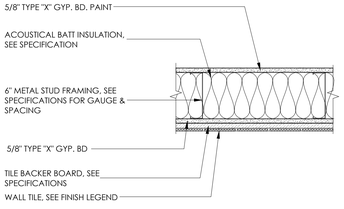


IW6 - X — **INT - MTL STUD 6" - WOOD SIDING**

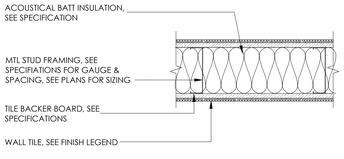


IW2 - X — **INT - ACOUS- MTL STUD 6" - (1) LAYER EACH SIDE GYP BD**

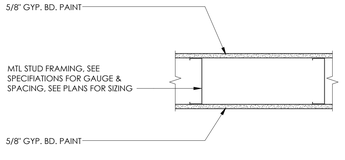
IW2 - X -1 — **1 HR FIRE RATED - U419**
SEE SHEET XXX FOR FIRE RATED DETAILS



IW9 - X - 1 — **INT - MTL STUD 6" - TILE / GYP WALL - RATED**
1 HR FIRE RATED - U473
SEE SHEET XXX FOR FIRE RATED DETAILS



IW5 - X — **INT - MTL STUD 6" - TILE WALL**

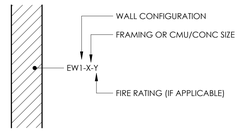


IW1 - X — **INT - MTL STUD 6" - (1) LAYER EACH SIDE GYP BD**

BARRIER LEGEND (PRINT IN COLOR)

- ELASTOMERIC COATING
- FLUID APPLIED AIR BARRIER, SEE SPECIFICATIONS
- CONTINUOUS WATERPROOFING BELOW GRADE
- ROOFING MEMBRANE, MECHANICALLY FASTENED, SEE SPECIFICATIONS.
- ROOFING MEMBRANE, FULLY ADHERED.
- SELF ADHERED MEMBRANE FLASHING
- CONTINUOUS VAPOR BARRIER, SEAL ALL PENETRATIONS.

WALL TYPE SYMBOL



METAL FRAMING SIZES

0 = MTL FURRING, 7/8" OR AS INDICATED
1 = 1 5/8"
2= 2 1/2"
3 = 3 5/8"
4 = 4"
6 = 6"
8 = 8"

WOOD FRAMING SIZES

0 = MTL FURRING, 7/8" OR AS INDICATED
4 = 2" X 4"
6 = 2" X 6"
8 = 2" X 8"

CMU AND CONCRETE SIZES

6 = 6"
8 = 8"
10 = 10"

FIRE RATING

.5 = 1/2 HOUR
1 = 1 HOUR
2 = 2 HOUR
3 = 3 HOUR

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ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH — HEBER EBEN CRAWLEY — No. 9715389-0301 — 05.26.2026 — LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ASSEMBLIES - INTERIOR WALLS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **SF**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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A011

5/26/2026 9:19:49 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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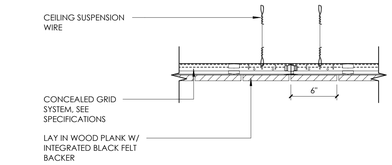
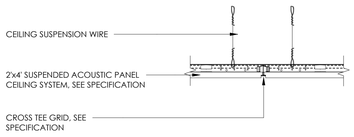
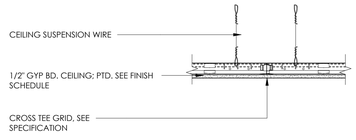
CEILINGS



C3 CEILING - INT - WOOD CEILING
1 1/2" = 1'-0" ,

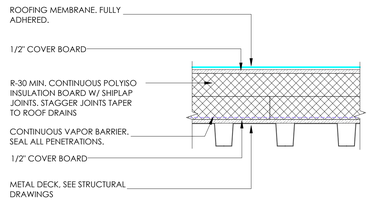


C2 CEILING - SUSPENDED ACOUSTIC PANELS
1 1/2" = 1'-0" ,



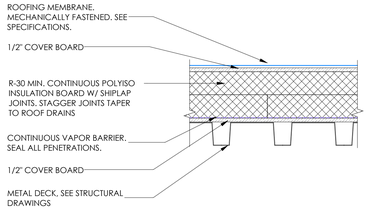
C1 CEILING - SUSPENDED GYP BD
1 1/2" = 1'-0" ,

ROOFS



R 37.25

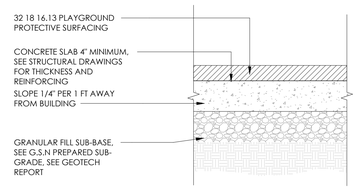
R2 FULLY ADHERED ROOF - METAL DECK
1 1/2" = 1'-0" , BID ALT 2



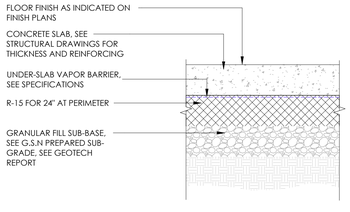
R 37.25

R1 MECHANICALLY FASTENED ROOF - METAL DECK
1 1/2" = 1'-0" ,

FLOORS



F2 FLOOR - PLAYGROUND PROTECTIVE SURFACING
1 1/2" = 1'-0" ,

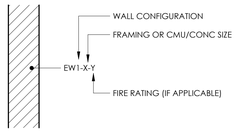


F1 FLOOR - CONCRETE SLAB ON GRADE
1 1/2" = 1'-0" ,

BARRIER LEGEND (PRINT IN COLOR)

- ELASTOMERIC COATING
- FLUID APPLIED AIR BARRIER, SEE SPECIFICATIONS
- CONTINUOUS WATERPROOFING BELOW GRADE
- ROOFING MEMBRANE, MECHANICALLY FASTENED, SEE SPECIFICATIONS.
- ROOFING MEMBRANE, FULLY ADHERED.
- SELF ADHERED MEMBRANE FLASHING
- CONTINUOUS VAPOR BARRIER, SEAL ALL PENETRATIONS.

WALL TYPE SYMBOL



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ARCHITECT / CONSULTANT

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LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ASSEMBLIES - FLOOR/CEILING/ROOF

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **SF**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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A012

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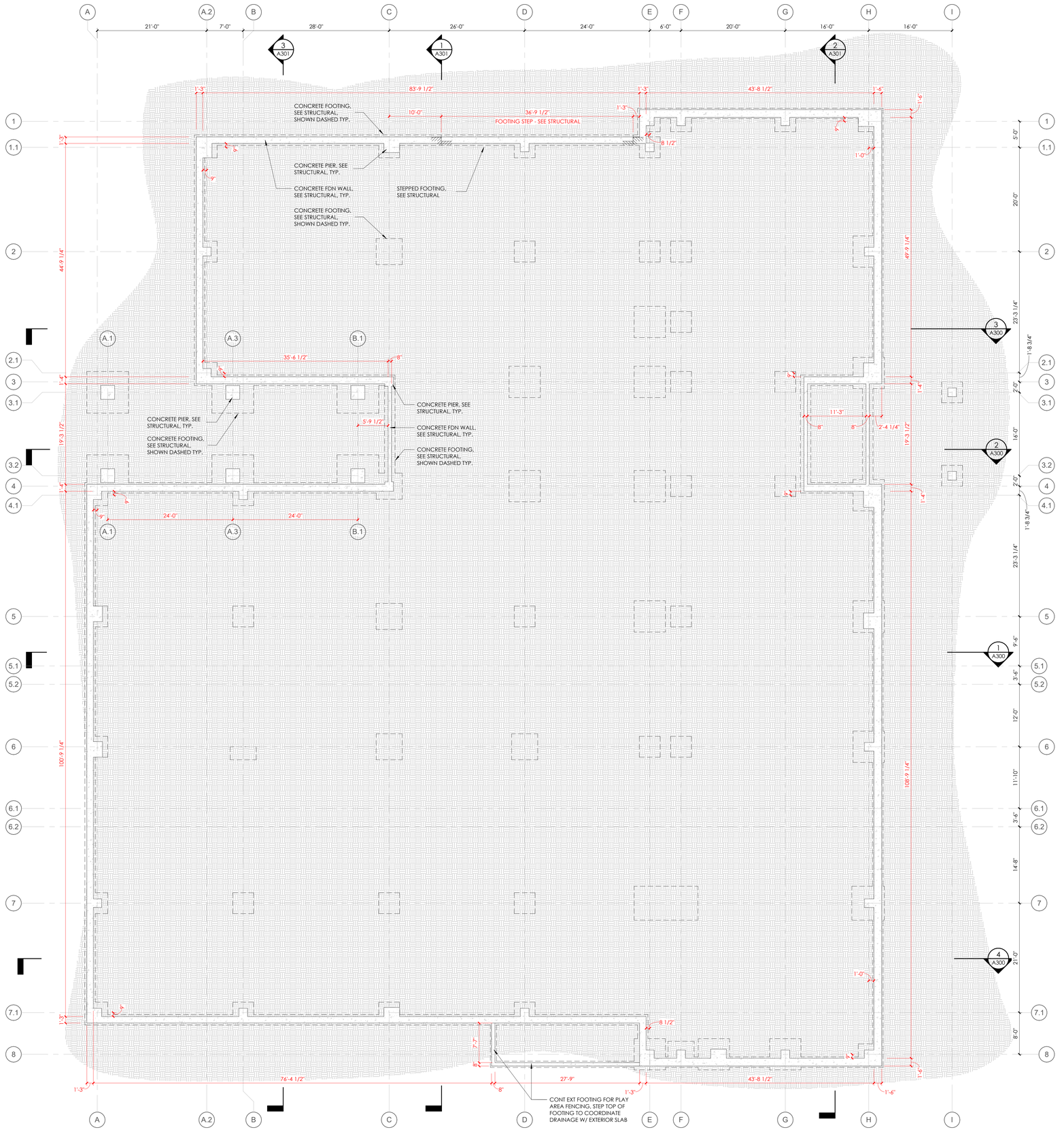


1 **FOUNDATION PLAN**
1/8" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK. AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

THIS IS A REFLECTED CEILING PLAN AND IS NOT TO BE INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN, SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS/GRILLES ETC.

FOUNDATION PLAN NOTES

COORDINATE FOUNDATION LAYOUT WITH STRUCTURAL DRAWINGS. ARCHITECTURAL FOUNDATION PLAN IS PROVIDED FOR DIMENSIONAL COORDINATION OF BUILDING EDGE, WALL LOCATIONS, SLAB EDGES, OPENINGS, AND ADJACENT ARCHITECTURAL CONDITIONS.

VERIFY ALL FOUNDATION DIMENSIONS, GRID LOCATIONS, WALL OFFSETS, PIER LOCATIONS, AND SLAB EDGE CONDITIONS PRIOR TO FORMING. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO PLACEMENT OF CONCRETE.

SEE STRUCTURAL DRAWINGS FOR FOOTING SIZE, DEPTH, REINFORCING, CONCRETE STRENGTH, EMBEDS, ANCHOR BOLTS, HOLDOWNS, AND SPECIAL INSPECTION REQUIREMENTS.

COORDINATE ALL UNDER-SLAB UTILITIES, SLEEVES, BLOCKOUTS, PENETRATIONS, DRAINS, AND EMBEDDED ITEMS WITH MECHANICAL, PLUMBING, ELECTRICAL, CIVIL, AND STRUCTURAL DRAWINGS PRIOR TO PLACEMENT OF CONCRETE.

DO NOT CUT, CORE, OR MODIFY FOUNDATIONS, STEM WALLS, PIERS, GRADE BEAMS, OR SLABS WITHOUT PRIOR APPROVAL FROM ARCHITECT AND STRUCTURAL ENGINEER.

COORDINATE TOP OF FOUNDATION, TOP OF CURB, TOP OF SLAB, AND FINISH FLOOR ELEVATIONS WITH CIVIL GRADING, EXTERIOR PAVING, ACCESSIBLE ROUTES, DOOR THRESHOLDS, AND BUILDING ENVELOPE DETAILS.

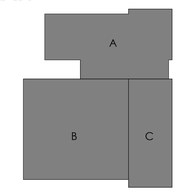
PROVIDE ANCHOR BOLTS, EMBEDS, DOWELS, SLEEVES, AND BLOCKOUTS REQUIRED FOR STRUCTURAL STEEL, EXTERIOR WALL ASSEMBLIES, STOREFRONT, MASONRY, SITE ELEMENTS, AND EQUIPMENT; COORDINATE LOCATIONS PRIOR TO POUR.

PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION AND COORDINATE FINISH GRADES, EXTERIOR SLABS, AND PAVING WITH CIVIL DRAWINGS. DO NOT ALLOW EXTERIOR GRADES TO OBSTRUCT WEEPS, FLASHING, OR WALL DRAINAGE PATHS.

FOUNDATION WALLS, STEM WALLS, PIERS, AND SLAB EDGES SHALL BE PLUMB, TRUE, AND LOCATED TO RECEIVE WALL ASSEMBLIES AS INDICATED. MAINTAIN REQUIRED CLEARANCES FOR EXTERIOR INSULATION, AIR BARRIER, MASONRY, METAL PANEL, AND STOREFRONT CONDITIONS.

PATCH, REPAIR, OR REPLACE CONCRETE WORK DAMAGED BY CONSTRUCTION ACTIVITIES OR COORDINATION OF EMBEDS AND PENETRATIONS. MAINTAIN STRUCTURAL, WATERPROOFING, AND FINISH INTEGRITY.

KEYPLAN



0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

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703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GRANGER
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

FOUNDATION PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A100.A

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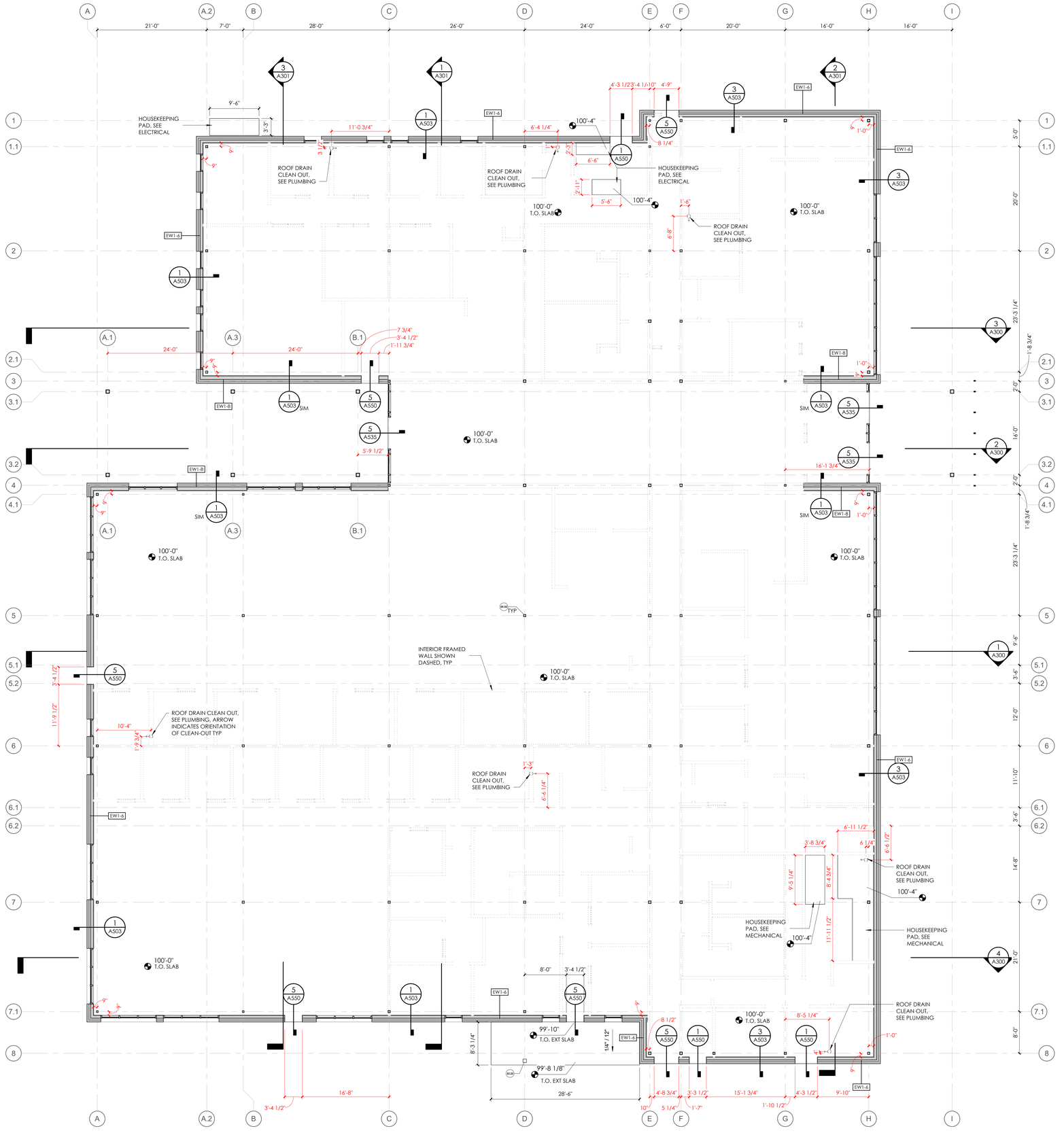
WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE ANY WORK IS COMMENCED. ALL WORK SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF UTAH.
ANY UNAUTHORIZED USE, DISCLOSURE, REPRODUCTION, MARKING, ALTERATION OR REUSE OF ALL OR ANY PORTION OF THESE DRAWINGS IS STRICTLY PROHIBITED AND WILL ENTITLE AJC ARCHITECTS PC TO RECOVER DAMAGES FOR MISAPPROPRIATION IN VIOLATION OF 17 U.S.C. § 1301 ET. SEQ. AND OTHER LAWS.



1 SLAB EDGE PLAN
1/8" = 1'-0"

0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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KEYED NOTES:

05.03	STEEL COLUMN, SEE STRUCTURAL DRAWINGS
32.22	AREA DRAIN - SEE CIVIL, TYP

SLAB PLAN NOTES

COORDINATE ALL SLAB PENETRATIONS WITH FINAL INTERIOR WALL LAYOUT; LOCATE PENETRATIONS WITHIN WALL CAVITIES WHERE POSSIBLE. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.

DO NOT CORE OR CUT SLAB WITHOUT PRIOR APPROVAL; VERIFY ALL PENETRATION LOCATIONS PRIOR TO PLACEMENT OF CONCRETE.

PROVIDE SLEEVES, BLOCKOUTS, AND EMBEDDED ITEMS REQUIRED FOR MEP SYSTEMS; COORDINATE SIZE AND LOCATION WITH TRADES PRIOR TO POUR.

VERIFY SLAB ELEVATIONS AND TRANSITIONS AT DOORS, WALLS, AND EQUIPMENT; PROVIDE LEVEL CONDITIONS AT DOOR THRESHOLDS UNLESS NOTED OTHERWISE.

PROVIDE CONTINUOUS VAPOR RETARDER BELOW SLAB; LAP AND SEAL ALL JOINTS AND PENETRATIONS.

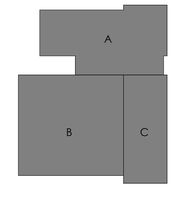
PATCH AND REPAIR SLAB AS REQUIRED FOR COORDINATION OF PENETRATIONS AND EMBEDS; MAINTAIN STRUCTURAL AND FINISH INTEGRITY.

PROVIDE CONTROL AND CONSTRUCTION JOINTS PER STRUCTURAL; LOCATE TO ALIGN WITH COLUMN GRID AND WALL LAYOUT WHERE POSSIBLE.

PROVIDE POSITIVE DRAINAGE AT AREAS WITH FLOOR DRAINS; COORDINATE SLOPES WITH PLUMBING DRAWINGS.

ROOF DRAIN CLEANOUT PENETRATIONS ARE SHOWN FOR COORDINATION WITH INTERIOR WALL LAYOUT; LOCATIONS SHOWN DO NOT REPRESENT ALL REQUIRED SLAB PENETRATIONS. COORDINATE ALL ADDITIONAL MEP PENETRATIONS WITH MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL, AND INTERIOR WALL LAYOUTS PRIOR TO POUR.

KEYPLAN



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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SLAB PLAN

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

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Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:19:59 AM
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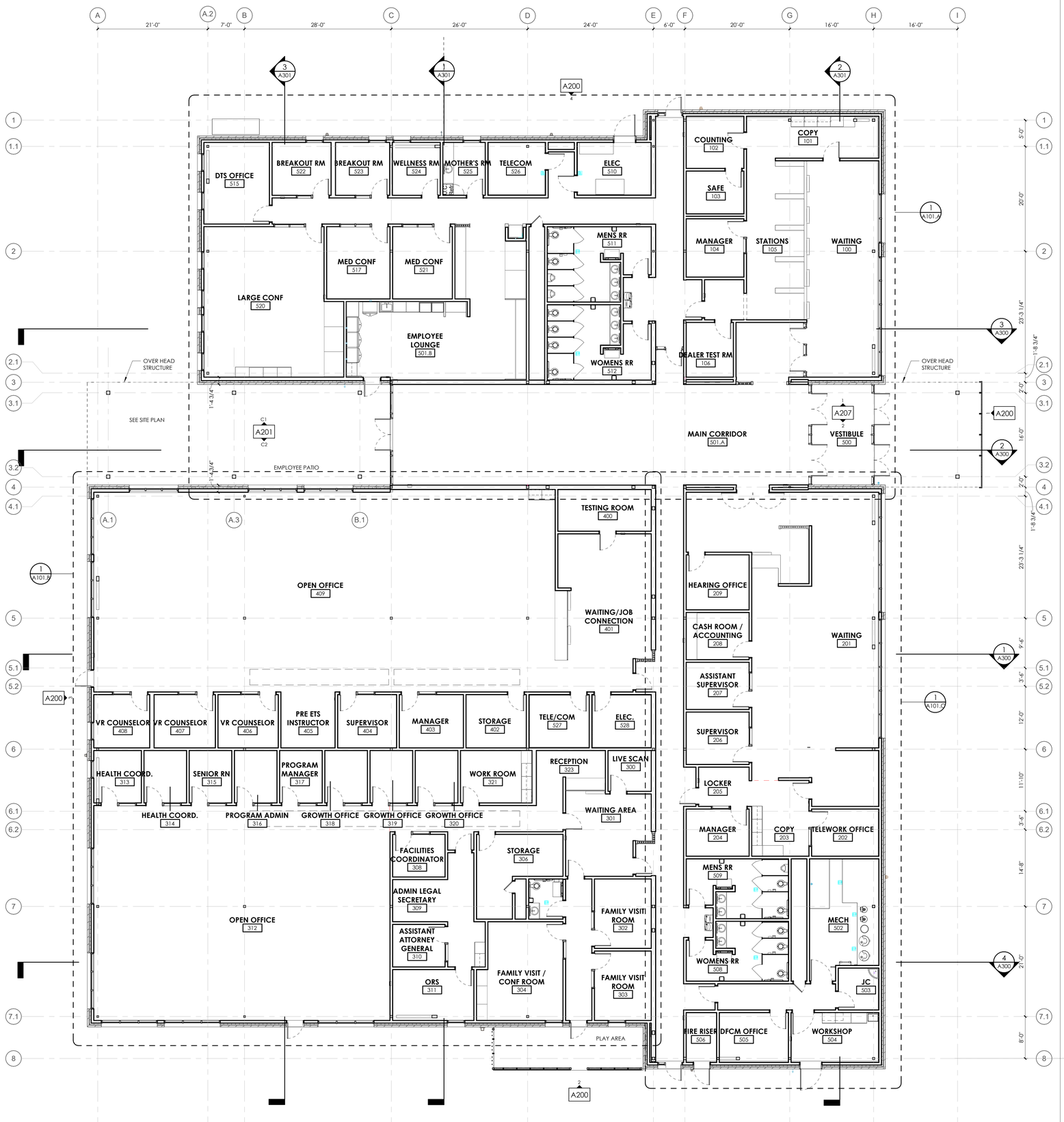

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

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KEYED NOTES:

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salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GARRETT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

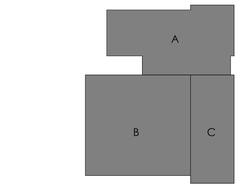
SHEET NAME:

ANNOTATED REFERENCE FLOOR PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

KEYPLAN



ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A101

0' 4' 8' 16' 24'

SCALE : 1/8" = 1'-0"

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1 ENLARGED ANNOTATED FLOOR PLAN - 'AREA A'

1/4" = 1'-0" , DWG REF: A101

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

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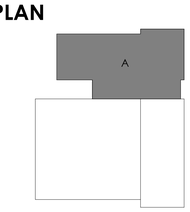
KEYED NOTES:

03.06	CONCRETE HOUSEKEEPING PAD
10.32	RECESSED FIRE EXTINGUISHER CABINET
11.01	REFRIGERATOR
11.08	FREEZER
22.01	FLOOR DRAIN, SEE PLUMBING DRAWINGS
22.02	ROOF DRAIN, SEE PLUMBING DRAWINGS
22.04	DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
22.10	HOSE BIB, SEE PLUMBING DRAWINGS
22.23	SECONDARY ROOF DRAIN SCUPPER, SEE PLUMBING DRAWINGS
26.04	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
26.12	PANIC BUTTON MOUNTED TO UNDERSIDE OF COUNTER, SEE ELECTRICAL DRAWINGS

KEYPLAN



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salt lake city, ut 84105
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ARCHITECT / CONSULTANT

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HEBER EBEN ROBERT
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED ANNOTATED FLOOR PLAN - 'AREA A'

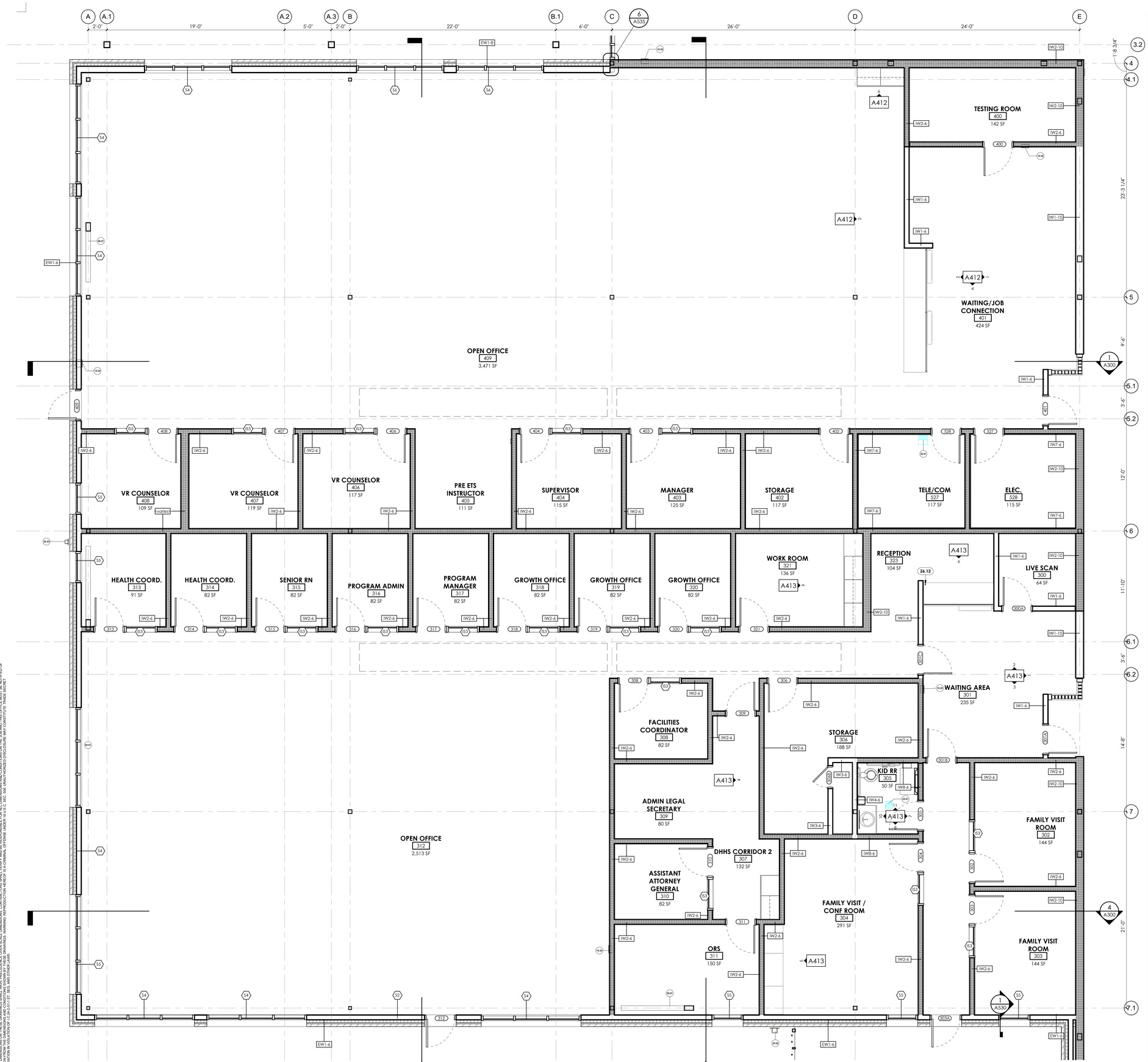
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A101.A


A
A.1
A.2
A.3
B
B.1
C
D
E
2'-0"
19'-0"
5'-0"
2'-0"
22'-0"
6'-0"
26'-0"
24'-0"
6
A535
1'-8 3/4"
23'-3 1/4"
9'-6"
3'-6"
12'-0"
11'-10"
3'-6"
14'-8"
21'-0"
3.2
4
4.1
5
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5.2
6
6.1
6.2
7
7.1
A412
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A301
A530
TESTING ROOM
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142 SF
WAITING/JOB CONNECTION
401
424 SF
OPEN OFFICE
409
3,471 SF
VR COUNSELOR
408
109 SF
VR COUNSELOR
407
119 SF
VR COUNSELOR
406
117 SF
PRE ETS INSTRUCTOR
405
111 SF
SUPERVISOR
404
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MANAGER
403
125 SF
STORAGE
402
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TELE/COM
527
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ELEC.
528
115 SF
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313
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HEALTH COORD.
314
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SENIOR RN
315
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PROGRAM ADMIN
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PROGRAM MANAGER
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GROWTH OFFICE
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GROWTH OFFICE
319
82 SF
GROWTH OFFICE
320
82 SF
WORK ROOM
321
136 SF
RECEPTION
323
104 SF
LIVE SCAN
300
64 SF
FACILITIES COORDINATOR
308
82 SF
ADMIN LEGAL SECRETARY
309
80 SF
OPEN OFFICE
312
2,513 SF
ASSISTANT ATTORNEY GENERAL
310
82 SF
DHHS CORRIDOR 2
307
132 SF
ORS
311
150 SF
STORAGE
306
188 SF
KID RR
305
50 SF
WAITING AREA
301
235 SF
FAMILY VISIT / CONF ROOM
304
291 SF
FAMILY VISIT ROOM
302
144 SF
FAMILY VISIT ROOM
303
144 SF
EW1-6
EW1-8
IW1-6
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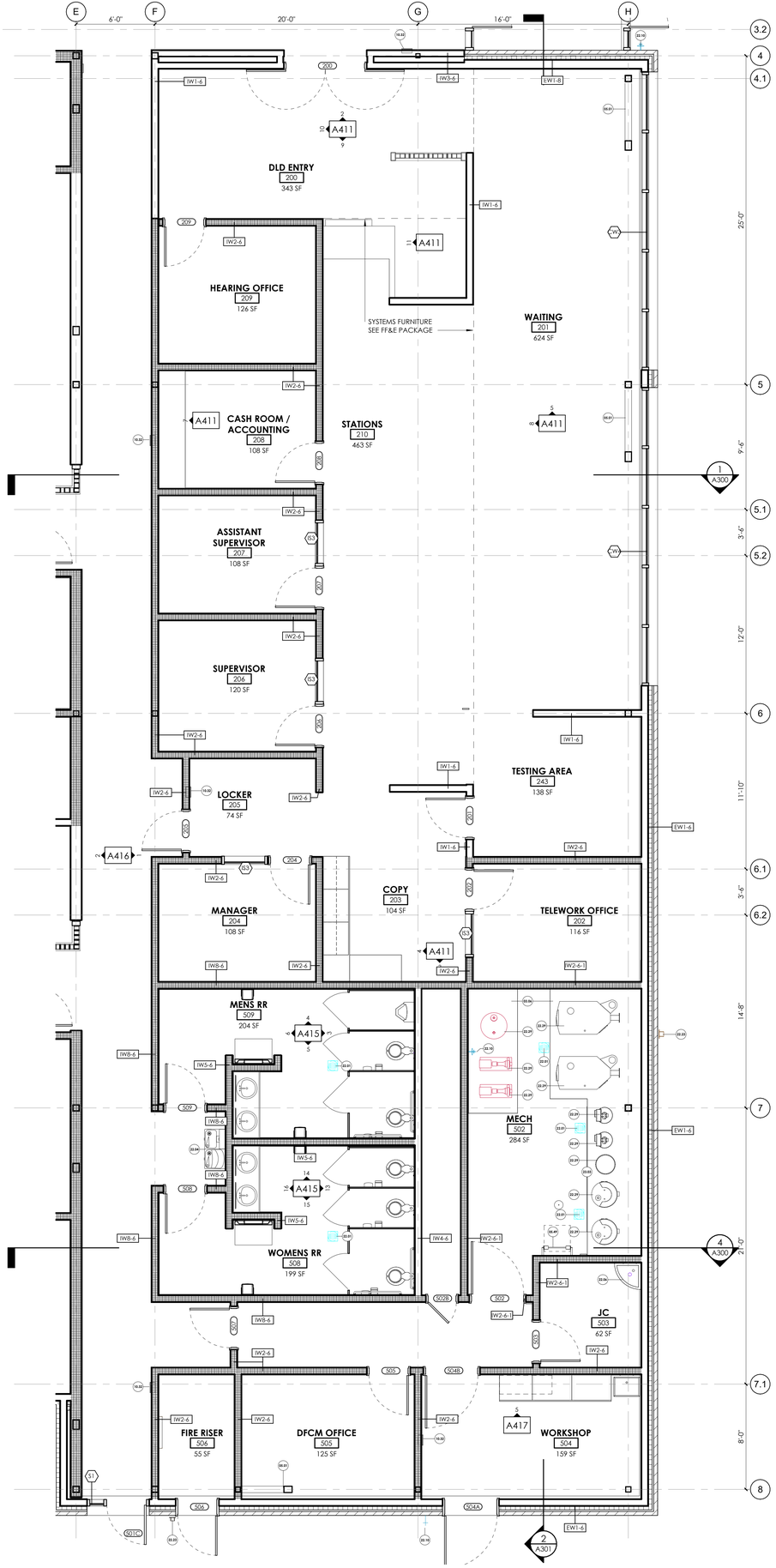

1 **ANNOTATED ENLARGED PLAN - 'AREA C'**
1/4" = 1'-0" , DWG REF: A101

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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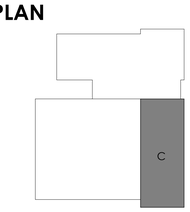
KEYED NOTES:

03.06	CONCRETE HOUSEKEEPING PAD
05.01	STEEL FRAMING, SEE STRUCTURAL DRAWINGS
05.49	STEEL FIXED ACCESS LADDER
10.32	RECESSED FIRE EXTINGUISHER CABINET
22.01	FLOOR DRAIN, SEE PLUMBING DRAWINGS
22.04	DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
22.06	SERVICE SINK, SEE PLUMBING DRAWINGS
22.10	HOSE BIB, SEE PLUMBING DRAWINGS
22.23	SECONDARY ROOF DRAIN SCUPPER, SEE PLUMBING DRAWINGS
22.29	PLUMBING EQUIPMENT, SEE PLUMBING DRAWINGS
23.03	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

KEYPLAN



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salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED ANNOTATED FLOOR PLAN - 'AREA C'

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A101.C

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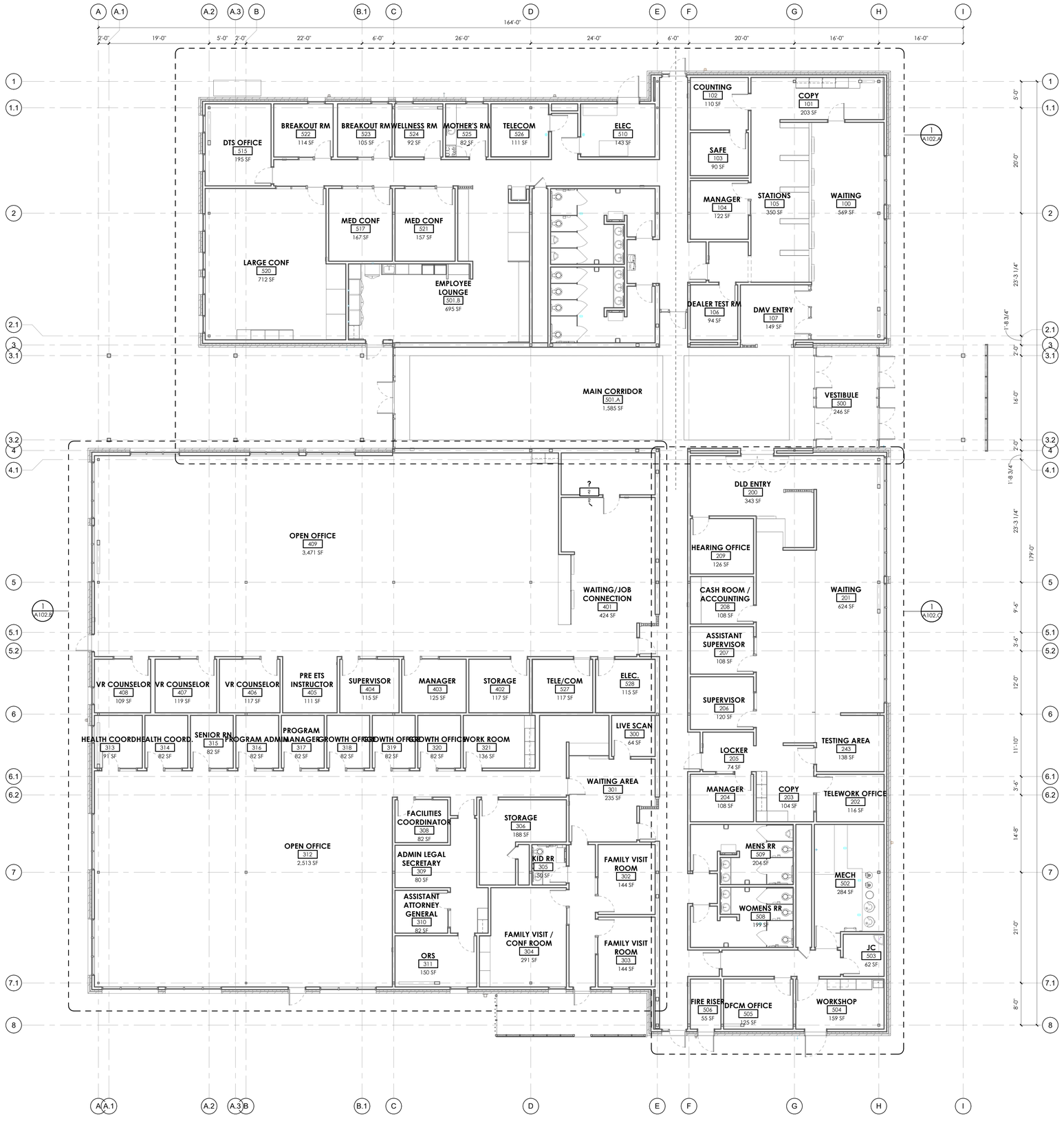

1 **DIMENSIONED PLAN - LEVEL 01**
1/8" = 1'-0" , DWG REF: A200

0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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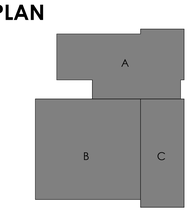
KEYED NOTES:

KEYPLAN



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ARCHITECT / CONSULTANT

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DIMENSION REFERENCE FLOOR PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A102

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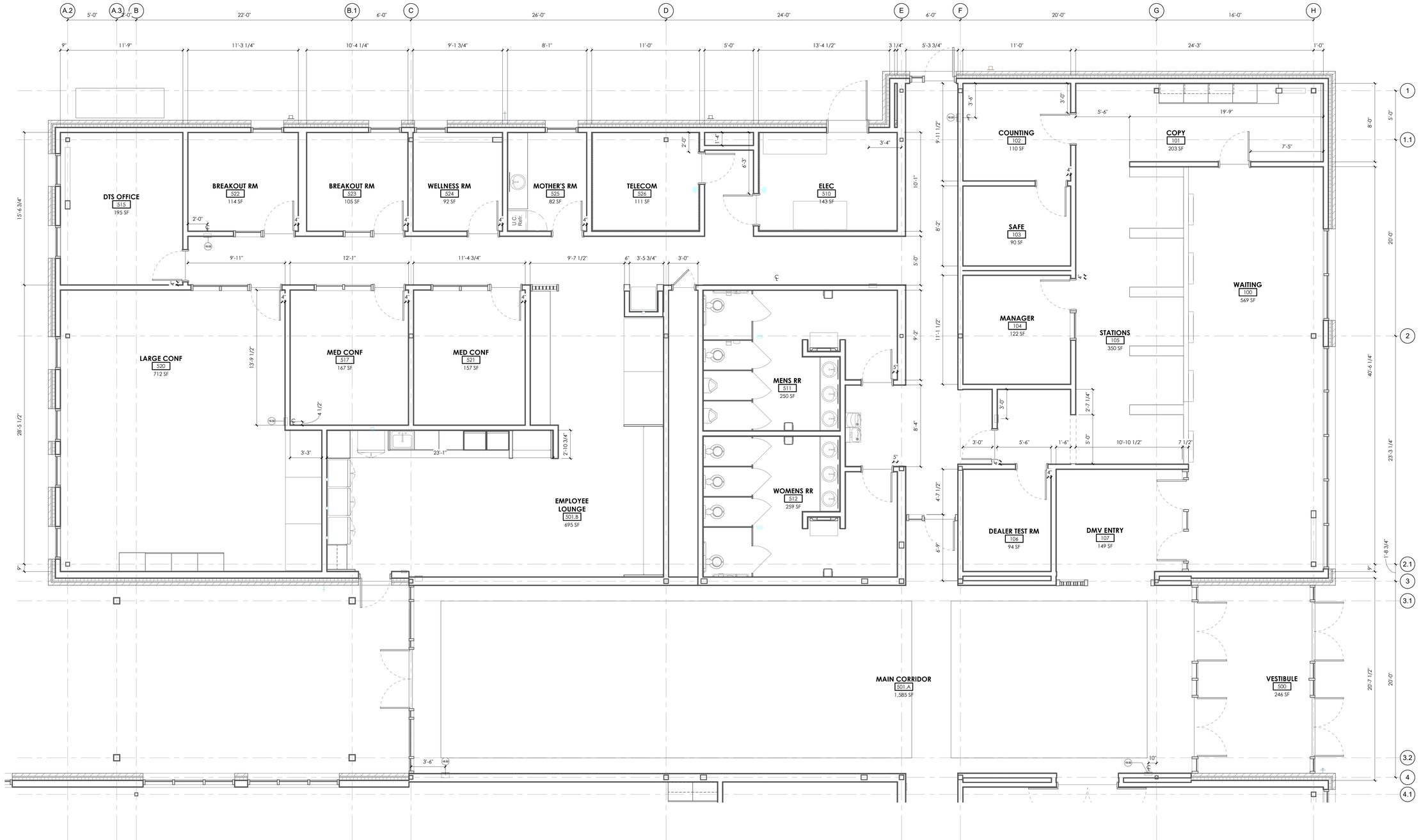

1 **ENLARGED DIMENSION PLAN -' AREA A'**
1/4" = 1'-0" , DWG REF: A102

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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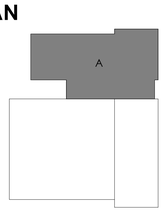
KEYED NOTES:

10.32 RECESSED FIRE EXTINGUISHER CABINET

KEYPLAN



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5/26/2026 9:20:26 AM BUILDING.rvt
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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GLABBERT
No. 9719389-0301
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Jason Van Auidal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED DIMENSION FLOOR PLAN - 'AREA A'

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	05/26/2026
ISSUE TYPE:	100% CD
DRAWN BY:	ajc
CHECKED BY:	K. RIGBY
PROJECT#:	2023-41

SHEET NUMBER:

A102.A



1 **ENLARGED DIMENSION PLAN - 'AREA B'**
1/4" = 1'-0" , DWG REF: A102

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

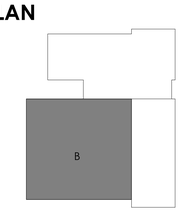
CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK. AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

THIS IS A REFLECTED CEILING PLAN AND IS NOT TO BE INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN, SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS/GRILLES ETC.

KEYED NOTES:

10.32 RECESSED FIRE EXTINGUISHER CABINET

KEYPLAN



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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN ROBERT
No 8715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
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SHEET NAME:

ENLARGED DIMENSION FLOOR PLAN - 'AREA B'

REVISIONS

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ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A102.B

5/26/2026 9:20:29 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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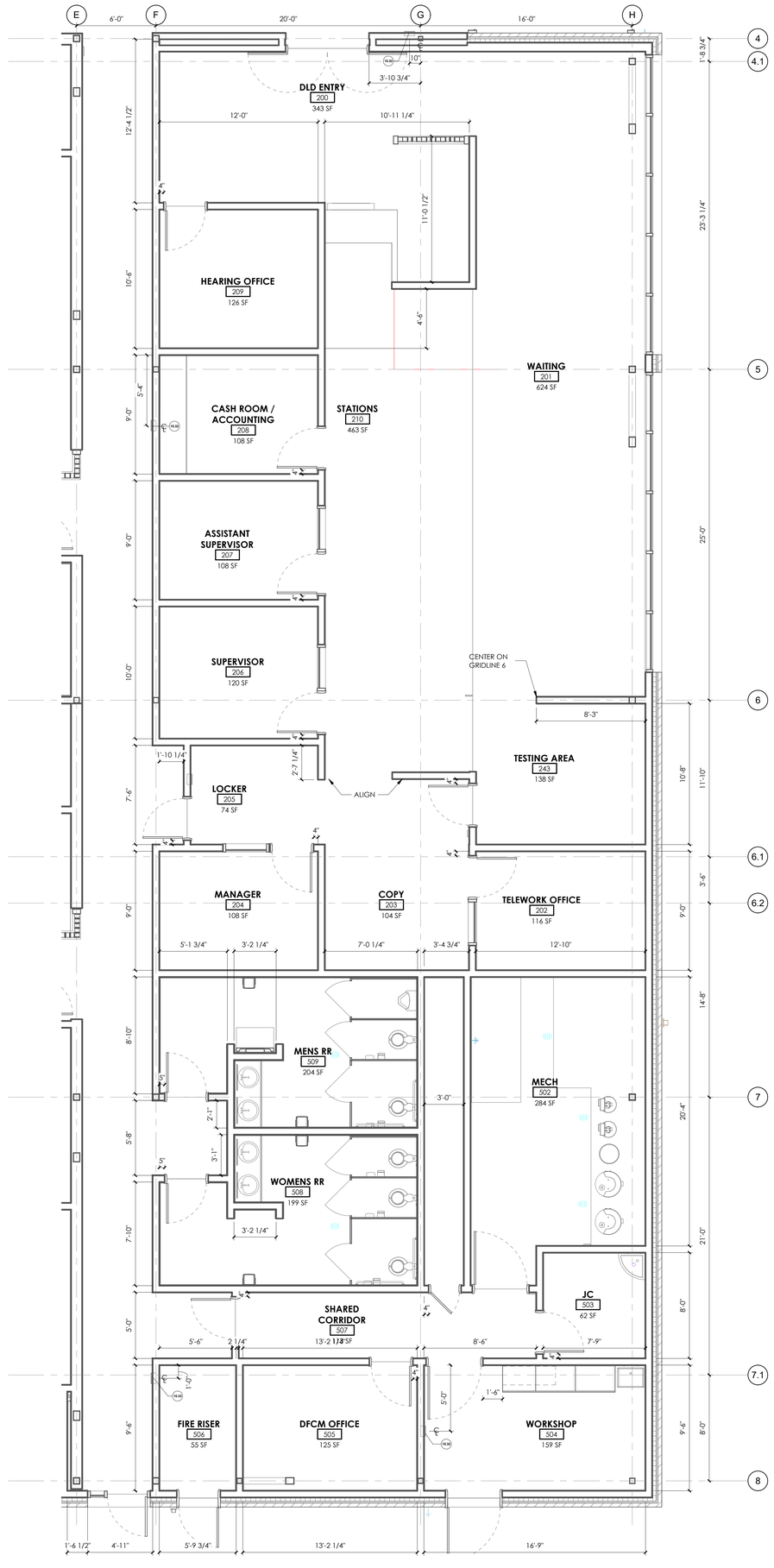

1 **ENLARGED DIMENSION PLAN - 'AREA C'**
1/4" = 1'-0" , DWG REF: A102

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GENERAL NOTES:

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SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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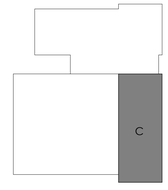
KEYED NOTES:

10.32 RECESSED FIRE EXTINGUISHER CABINET

KEYPLAN



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ARCHITECT / CONSULTANT



AHJ



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100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED DIMENSION FLOOR PLAN - 'AREA C'

REVISIONS

MARK	DATE	DESCRIPTION
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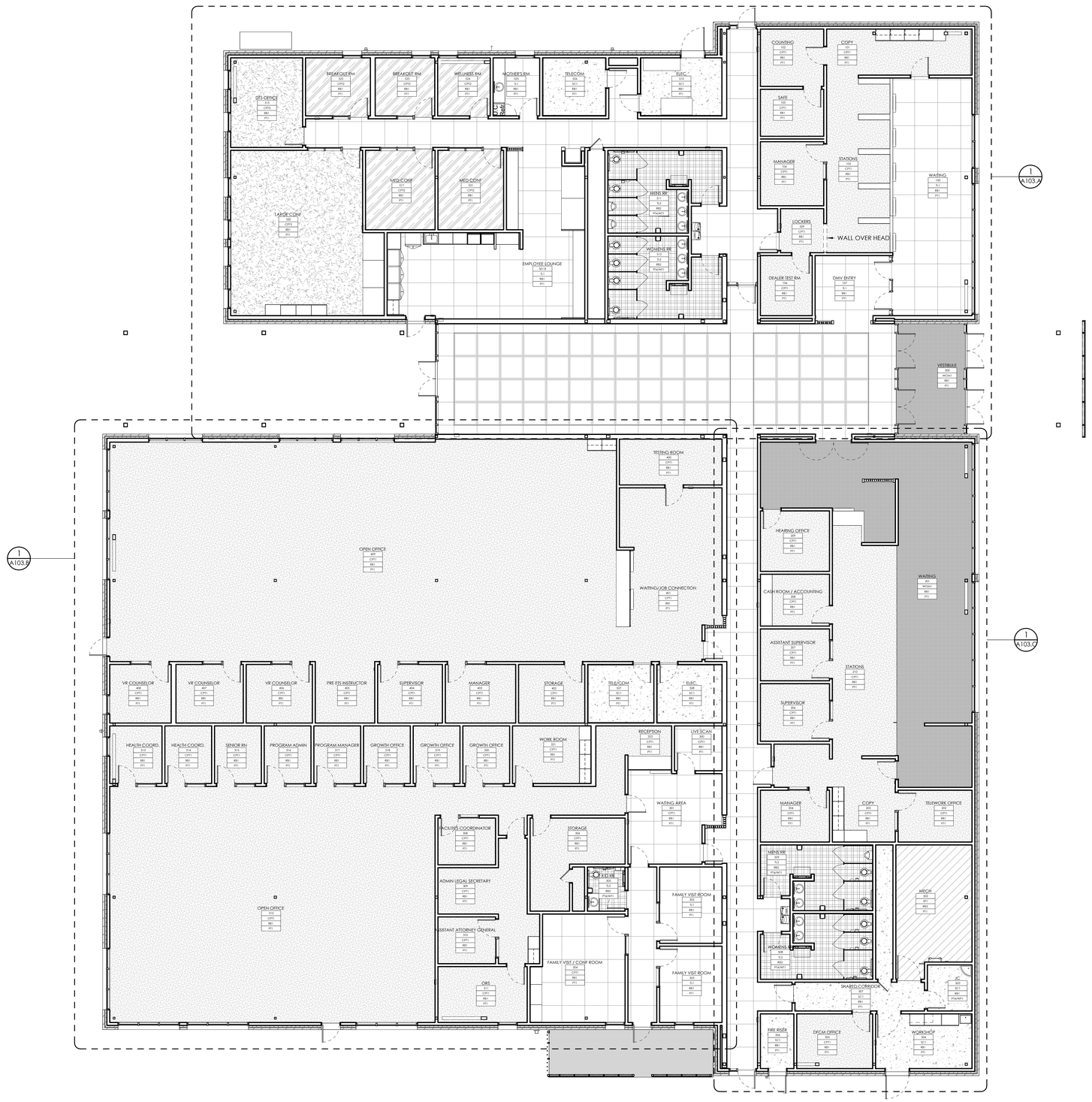
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A102.C



1 **FINISH PLAN - REFERENCE PLAN**
1/8" = 1'-0"

0' 4' 8' 16' 24'

SCALE : 1/8" = 1'-0"

GENERAL NOTES

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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FINISH PLAN NOTES

FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.

COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.

SEE INTERIOR ELEVATION SHEETS FOR ALL WALL TILE PATTERNS - COORDINATE PATTERN LAYOUTS WITH ARCHITECT PRIOR TO CUTTING AND PLACEMENT OF ANY & ALL TILE.

PROVIDE A SMOOTH TRANSITION AT ALL CHANGES IN FLOOR MATERIAL.

ALL GYP. BD. CEILINGS SHALL BE PAINTED AS INDICATED IN FINISH LEGEND

RATED WALL CONDITIONS SHALL REMAIN 5/8" TYPE-X GYP. BOARD... BOTH RATED AND NON-RATED, SHALL BE PAINTED WHERE EXPOSED - REFER TO FINISH LEGEND.

PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.

FOR ALL FINISH MATERIALS SEE FINISH LEGEND ON SHEET SHEET AE620

FOR ACCESSORIES SEE SCHEDULE ON SHEET AE620. COORDINATE ALL FIXTURES WITH MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED.

ALL EXPOSED PIPES AT ADA FIXTURES SHOULD BE WRAPPED IN A PVC INSULATION.

WALL, FLOOR, BASE AND CEILING KEYNOTE: THIS SYMBOL, WHEN ATTACHED TO A WALL, SHALL INDICATE THIS FINISH FOR THE ENTIRE LENGTH OF WALL FROM ONE INTERSECTION TO THE NEXT AND NOT BE TERMINATED BY WINDOWS OR DOORS, U.N.O.

SEE SHEET AE620 FOR FINISH LEGEND.

PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.

EXPOSED METAL DUCTWORK, CONDUIT, PIPING, ETC NOT NOTED AS STAINLESS STEEL TO BE PAINTED.

FINISH PLAN LEGEND

ROOM
ROOM #
FLOOR
BASE
WALLS

ROOM FINISH TAG - REFER TO FINISH LEGEND FOR MORE INFORMATION

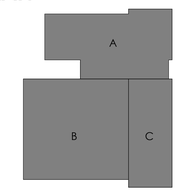
FINISH — DESIGNATED FINISH EXTENT

METAL TRANSITION - REFER TO FINISH LEGEND AND FINISH DETAILS

EXTERIOR TRANSITION - REFER TO FINISH LEGEND AND FINISH DETAILS

CPT1 CPT3 EF1
CPT2 WOM1 TL1
TL2 TL3 SC1

KEYPLAN



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SHEET NAME:

FINISH REFERENCE PLAN

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ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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A103

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1 ENLARGED FINISH PLAN - 'AREA A'

1/4" = 1'-0" , DWG REF: A103

GENERAL NOTES

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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FINISH PLAN NOTES

FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.

COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.

SEE INTERIOR ELEVATION SHEETS FOR ALL WALL TILE PATTERNS - COORDINATE PATTERN LAYOUTS WITH ARCHITECT PRIOR TO CUTTING AND PLACEMENT OF ANY & ALL TILE.

PROVIDE A SMOOTH TRANSITION AT ALL CHANGES IN FLOOR MATERIAL.

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PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.

FOR ALL FINISH MATERIALS SEE FINISH LEGEND ON SHEET SHEET A6620

FOR ACCESSORIES SEE SCHEDULE ON SHEET A6620. COORDINATE ALL FIXTURES WITH MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED.

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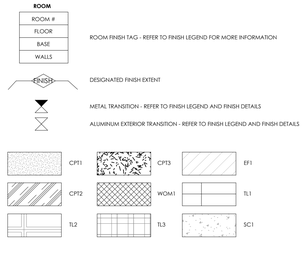
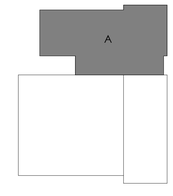
FINISH PLAN LEGEND



KEYED NOTES:

09.71 ROOTS L (SAND), ROOTS M (SAND), ROOTS S (COTTO), SEE FINISH LEGEND

KEYPLAN



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ENLARGED FINISH FLOOR PLAN - 'AREA A'

REVISIONS

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1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
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DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

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5/26/2026 9:20:43 AM
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1 **ENLARGED FINISH PLAN - 'AREA B'**
1/4" = 1'-0" , DWG REF: A103

GENERAL NOTES

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FINISH PLAN LEGEND

ROOM
ROOM #
FLOOR
BASE
WALLS

ROOM FINISH TAG - REFER TO FINISH LEGEND FOR MORE INFORMATION

FINISH — DESIGNATED FINISH EXTENT

METAL TRANSITION - REFER TO FINISH LEGEND AND FINISH DETAILS

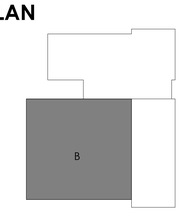
EXTERIOR TRANSITION - REFER TO FINISH LEGEND AND FINISH DETAILS

CPT1 · CPT2 · CPT3 · EF1 · WOM1 · TL1 · TL2 · TL3 · SC1

KEYED NOTES:

09.67	WINDOW FILM APPLIED TO GLASS BELOW THE FIRST MULLION
09.71	ROOTS L (SAND), ROOTS M (SAND), ROOTS S (COTTO), SEE FINISH LEGEND

KEYPLAN



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ARCHITECT / CONSULTANT



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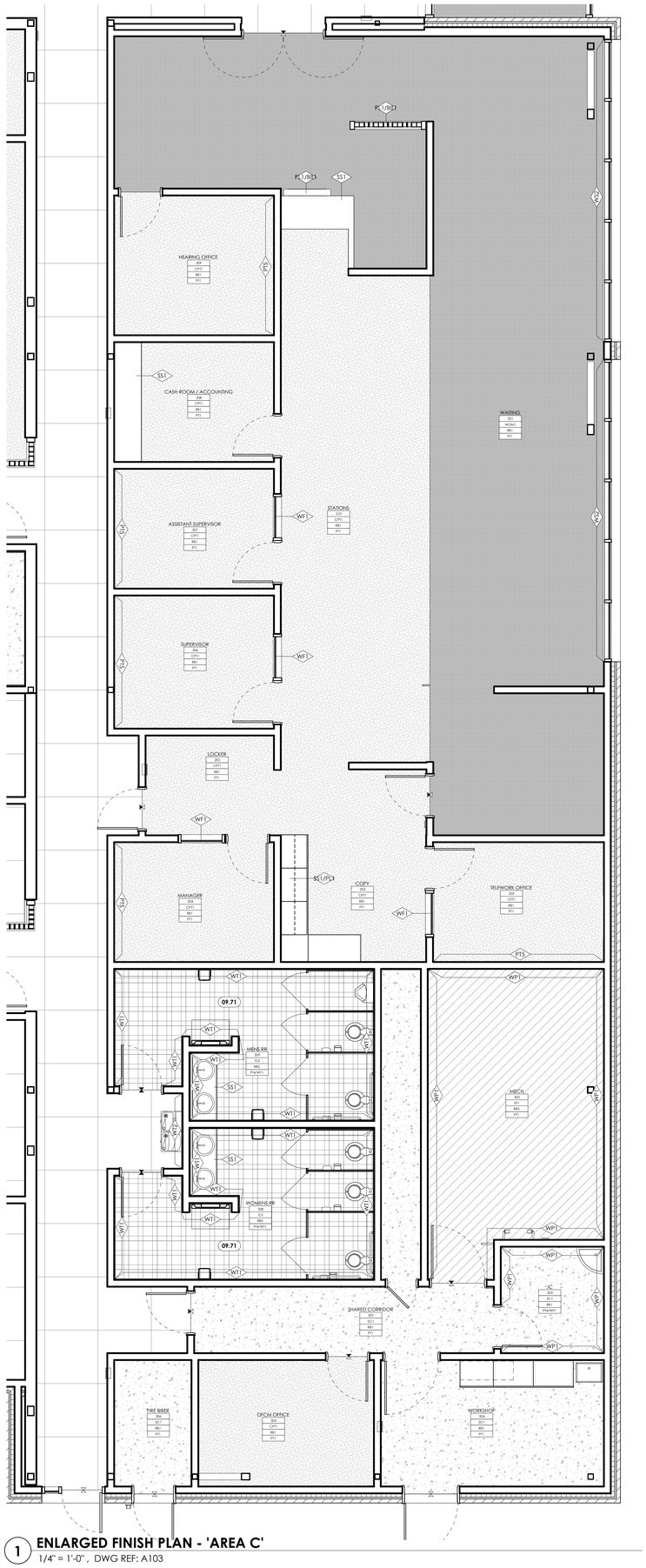


1 **ENLARGED FINISH PLAN - 'AREA C'**
1/4" = 1'-0" , DWG REF: A103

GENERAL NOTES

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

FINISH PLAN NOTES

FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.

COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.

SEE INTERIOR ELEVATION SHEETS FOR ALL WALL TILE PATTERNS - COORDINATE PATTERN LAYOUTS WITH ARCHITECT PRIOR TO CUTTING AND PLACEMENT OF ANY & ALL TILE.

PROVIDE A SMOOTH TRANSITION AT ALL CHANGES IN FLOOR MATERIAL.

ALL GYP. BD. CEILINGS SHALL BE PAINTED AS INDICATED IN FINISH LEGEND

RATED WALL CONDITIONS SHALL REMAIN 5/8" TYPE-X GYP. BOARD. . BOTH RATED AND NON-RATED, SHALL BE PAINTED WHERE EXPOSED - REFER TO FINISH LEGEND.

PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.

FOR ALL FINISH MATERIALS SEE FINISH LEGEND ON SHEET SHEET A6620

FOR ACCESSORIES SEE SCHEDULE ON SHEET A6620. COORDINATE ALL FIXTURES WITH MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED.

ALL EXPOSED PIPES AT ADA FIXTURES SHOULD BE WRAPPED IN A PVC INSULATION.

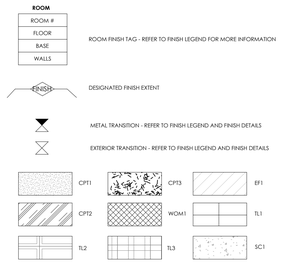
WALL, FLOOR, BASE AND CIELING KEYNOTE: THIS SYMBOL, WHEN ATTACHED TO A WALL, SHALL INDICATE THIS FINISH FOR THE ENTIRE LENGTH OF WALL FROM ONE INTERSECTION TO THE NEXT AND NOT BE TERMINATED BY WINDOWS OR DOORS, U.N.O.

SEE SHEET A6620 FOR FINISH LEGEND.

PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED ACCESSORIES.

EXPOSED METAL DUCTWORK, CONDUIT, PIPING, ETC NOT NOTED AS STAINLESS STEEL TO BE PAINTED.

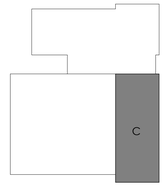
FINISH PLAN LEGEND



KEYED NOTES:

09.71 ROOTS L (SAND), ROOTS M (SAND), ROOTS S (COTTO), SEE FINISH LEGEND

KEYPLAN



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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED FINISH FLOOR PLAN - 'AREA C'

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A103.C



1 CEILING PLAN
1/8" = 1'-0" , DWG REF: A200

GENERAL NOTES AND LEGENDS:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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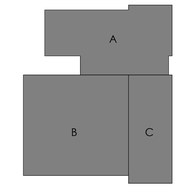
SYMBOL LEGEND

SURFACE MOUNTED OR LAY-IN CEILING LED FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	REGULAR FIXTURE / EMERGENCY FIXTURE
SUSPENED LIGHT FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	
LINEAR LIGHTING FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	SUSPENDED FIXTURE / RECESSED FIXTURE
DOWN LIGHT FIXTURES. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	RECESSED CAN / SURFACE MOUNT
OCCUPANCY SENSOR. SEE ELECTRICAL PLAN.	
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	EXIT SIGN / SMOKE DETECTOR
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	FIRE HORN / FIRE ALARM / COMBO STROBE
AUDIO/VISUAL EQUIPMENT, COORDINATE LOCATION W/ ELECTRICAL & OWNER.	CAMERA
SUPPLY, RETURN & EXHAUST DIFFUSERS/GRILLES. SEE MECHANICAL.	SUPPLY / RETURN / EXHAUST

CEILING TYPES

WOOD CEILING	WC1
MESH PANEL	MM1
MESH PANEL	MM2
MESH PANEL	MM3
ACOUSTIC CEILING TILE - 24" x 24"	AC1
GYP. CEILING	GYP
EXPOSED STRUCTURE AND METAL DECK, CLEANED AND PAINTED	
ACOUSTIC BAFFLE	BC1

KEYPLAN



0' 4' 8' 16' 24'

SCALE : 1/8" = 1'-0"

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN RIGBY
No 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

CEILING REFERENCE PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A104

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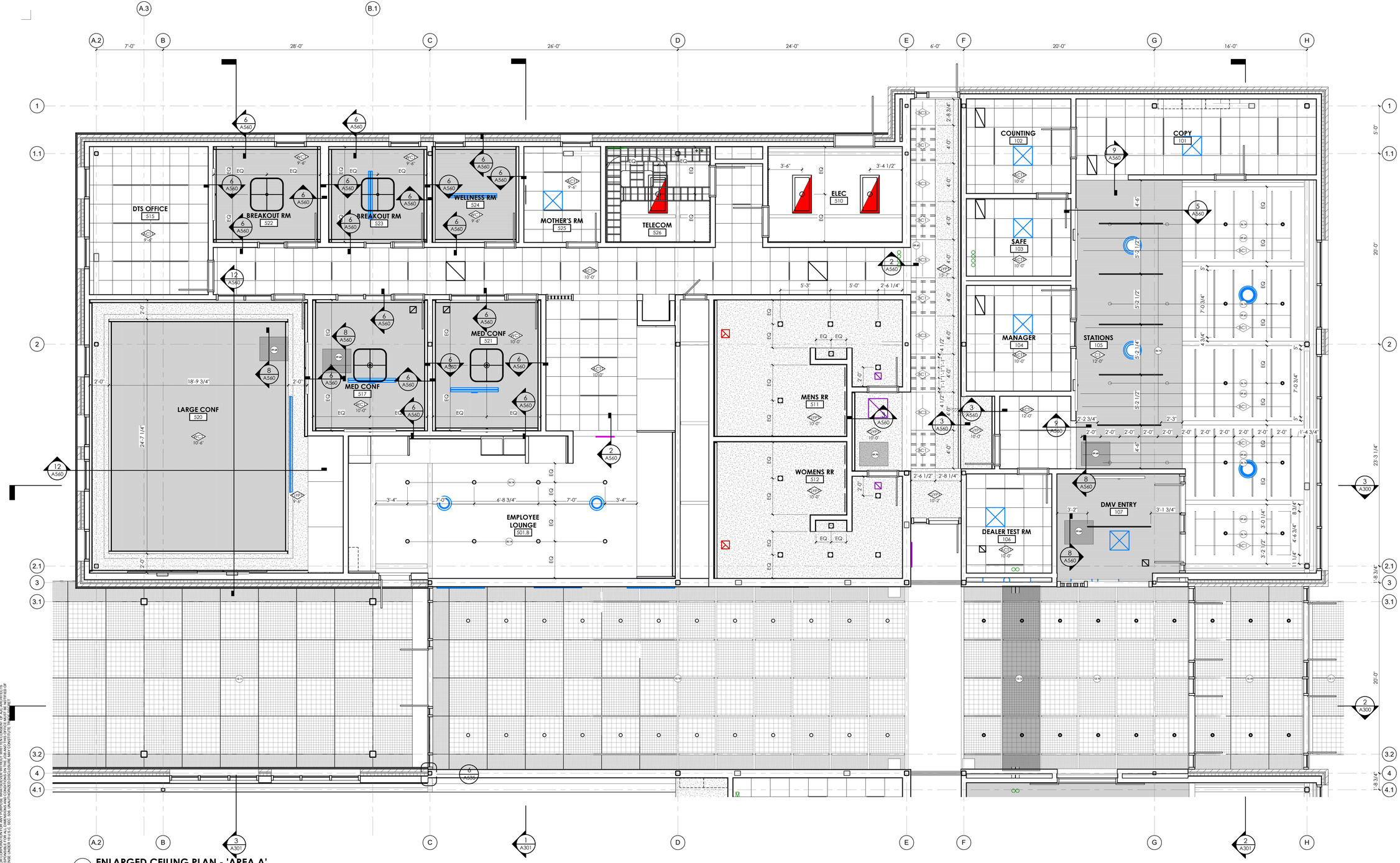

1 **ENLARGED CEILING PLAN - 'AREA A'**
1/4" = 1'-0" , DWG REF: A104

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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KEYED NOTES:

09.65	SUSPENDED ACOUSTIC FELT BAFFLE SYSTEM, MODULAR VERTICAL PANELS ARRANGED IN LINEAR PATTERN.
09.68	ACCESS PANEL IN WOOD CEILING
09.70	ACCESS PANEL IN GYPSUM WALL BOARD
12.10	SUSPENDED CS/CR 8-MESH, 0.063" WOVEN METAL MESH PANELS ON 2×12 HSS WAFFLE GRID; BREAK MESH AT ALL PANEL EDGES; PAINT PANELS WHITE
12.11	SUSPENDED CS/CR 8-MESH, 0.063" WOVEN METAL MESH SOFFIT PANELS ON GALVANIZED 2×12 HSS WAFFLE GRID; BREAK MESH AT ALL PANEL EDGES; PAINT PANELS WHITE;
12.12	SUSPENDED CS/CR 8-MESH, 0.063" WOVEN METAL MESH PANELS ON BOTTOM-JUSTIFIED 2×8 HSS (E/W) AND 2×12 HSS (N/S) WAFFLE GRID; PROVIDE FULL-DEPTH CAVITY ABOVE FOR CONDUIT, WATERLINES, AND SERVICES; BREAK MESH AT ALL PANEL EDGES; PAINT PANELS WHITE.
26.14	PENDANT LIGHT. SEE ELECTRICAL

SYMBOL LEGEND

SURFACE MOUNTED OR LAY-IN CEILING LED FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE. — REGULAR FIXTURE / EMERGENCY FIXTURE

SUSPENDED LIGHT FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.

LINEAR LIGHTING FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE. — SUSPENDED FIXTURE / RECESSED FIXTURE

DOWN LIGHT FIXTURES. SEE ELECTRICAL PLAN FOR SIZE AND TYPE. — RECESSED CAN / SURFACE MOUNT

OCCUPANCY SENSOR. SEE ELECTRICAL PLAN.

LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN. — EXIT SIGN / SMOKE DETECTOR

LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN. — FIRE HORN / FIRE ALARM / COMBO STROBE

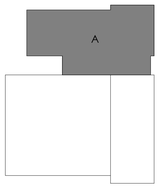
AUDIO/VISUAL EQUIPMENT. COORDINATE LOCATION W/ ELECTRICAL & OWNER. — CAMERA

SUPPLY, RETURN & EXHAUST DIFFUSERS/GRILLES. SEE MECHANICAL. — SUPPLY / RETURN / EXHAUST

CEILING TYPES

WOOD CEILING	WC1
METAL PANEL	MM1
METAL PANEL	MM2
METAL PANEL	MM3
ACOUSTIC CEILING TILE - 24" x 24"	AC1
GYP. CEILING	GYP
EXPOSED STRUCTURE AND METAL DECK, CLEANED AND PAINTED	
ACOUSTIC BAFFLE	BC1

KEYPLAN



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AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED CEILING FLOOR PLAN - 'AREA A'

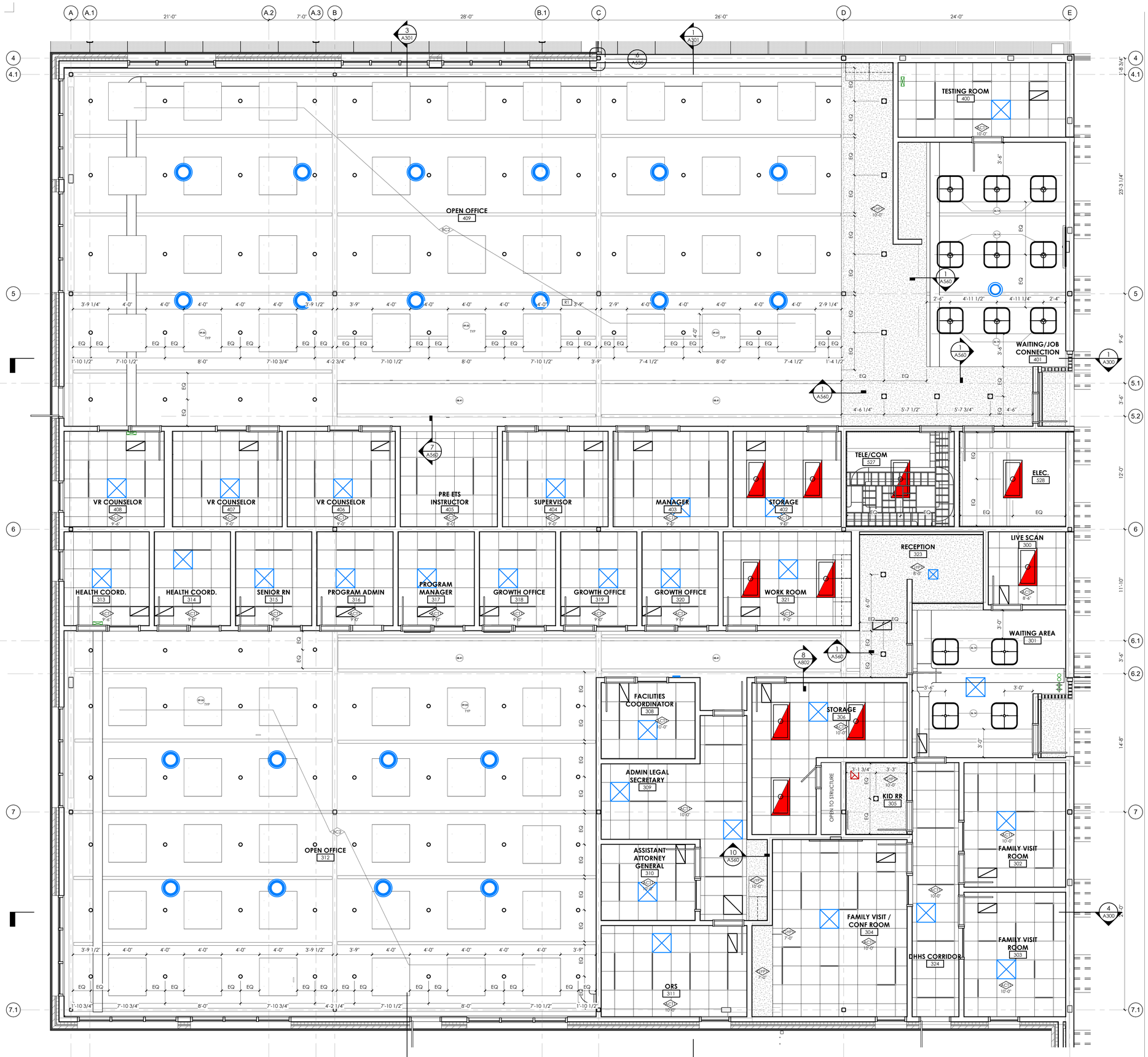
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A104.A



1 ENLARGED CEILING PLAN - 'AREA B'
1/4" = 1'-0" , DWG REF: A104

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GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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SYMBOL LEGEND

SURFACE MOUNTED OR LAY-IN CEILING LED FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	REGULAR FIXTURE / EMERGENCY FIXTURE
SUSPENDED LIGHT FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	
LINEAR LIGHTING FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	SUSPENDED FIXTURE / RECESSED FIXTURE
DOWN LIGHT FIXTURES. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	RECESSED CAN / SURFACE MOUNT
OCCUPANCY SENSOR. SEE ELECTRICAL PLAN.	
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	EXIT SIGN / SMOKE DETECTOR
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	FIRE HORN / FIRE ALARM / COMBO STROBE
AUDIO/VISUAL EQUIPMENT. COORDINATE LOCATION W/ ELECTRICAL & OWNER.	CAMERA
SUPPLY, RETURN & EXHAUST DIFFUSERS/GRILLES. SEE MECHANICAL.	SUPPLY / RETURN / EXHAUST

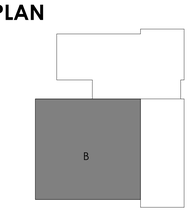
CEILING TYPES

WOOD CEILING	AC-1
METAL PANEL	ACM-1
METAL PANEL	ACM-2
METAL PANEL	ACM-3
ACOUSTIC CEILING TILE - 24" x 24"	ACT-1
GYP. CEILING	GYP
EXPOSED STRUCTURE AND METAL DECK, CLEANED AND PAINTED	
ACOUSTIC BAFFLE	AB-1

KEYED NOTES:

08.41	MONITOR WINDOWS ABOVE
09.55	ACOUSTICAL CEILING PANEL
26.14	PENDANT LIGHT. SEE ELECTRICAL

KEYPLAN



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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GARBETT
No 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED CEILING FLOOR PLAN - 'AREA B'

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

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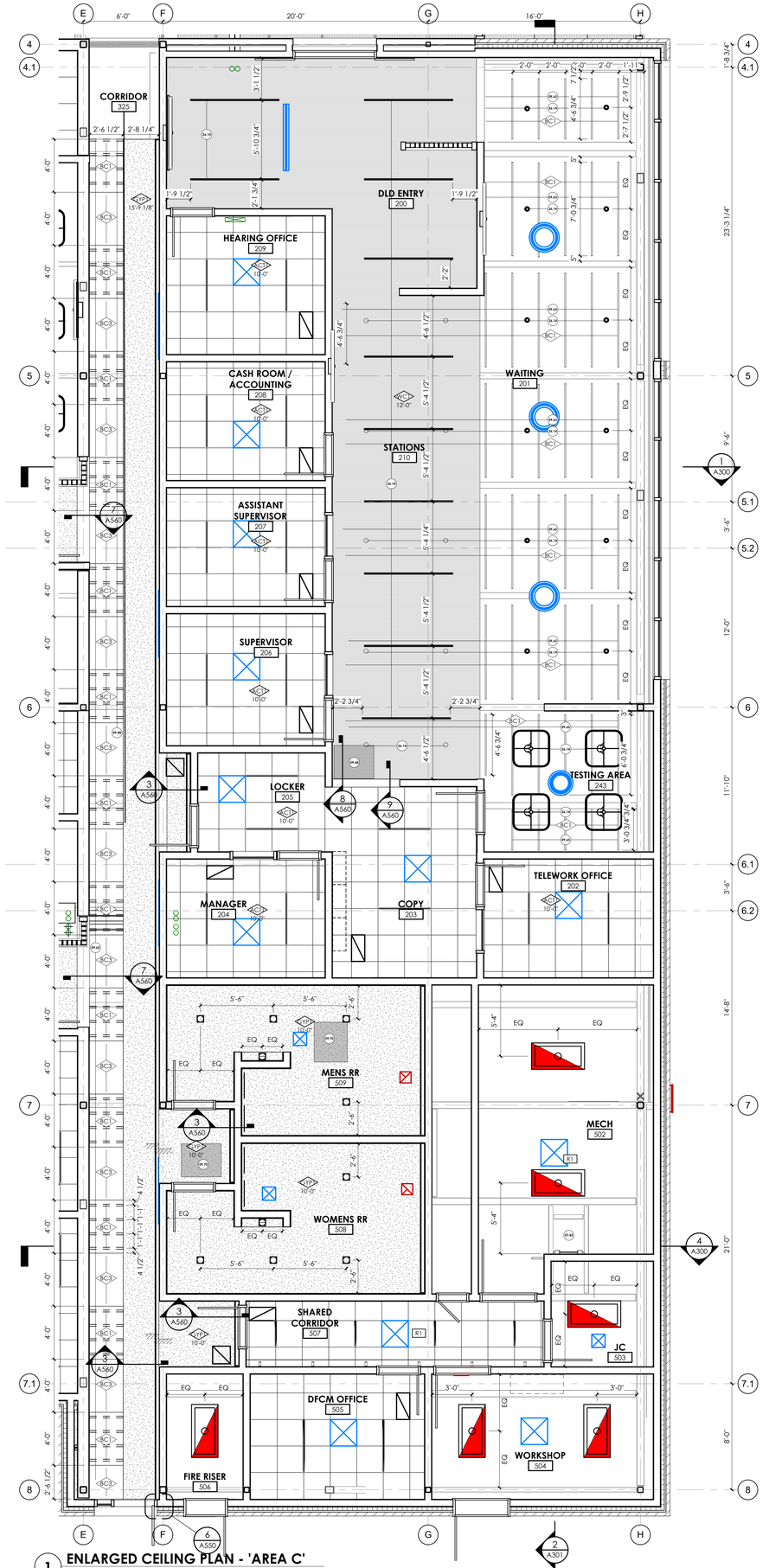

1 ENLARGED CEILING PLAN - 'AREA C'

1/4" = 1'-0" , DWG REF: A104

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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SYMBOL LEGEND

SURFACE MOUNTED OR LAY-IN CEILING LED FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	REGULAR FIXTURE / EMERGENCY FIXTURE
SUSPENED LIGHT FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	
LINEAR LIGHTING FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	SUSPENDED FIXTURE / RECESSED FIXTURE
DOWN LIGHT FIXTURES, SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	RECESSED CAN / SURFACE MOUNT
OCCUPANCY SENSOR. SEE ELECTRICAL PLAN.	
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	EXIT SIGN / SMOKE DETECTOR
LIFE SAFETY DEVICES. SEE ELECTRICAL PLAN.	FIRE HORN / FIRE ALARM / COMBO STROBE
AUDIO/VISUAL EQUIPMENT. COORDINATE LOCATION W/ ELECTRICAL & OWNER.	CAMERA
SUPPLY, RETURN & EXHAUST DIFFUSERS/GRILLES. SEE MECHANICAL.	SUPPLY / RETURN / EXHAUST

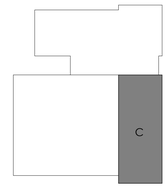
CEILING TYPES

WOOD CEILING	WC1
METAL PANEL	MM1
METAL PANEL	MM2
METAL PANEL	MM3
ACOUSTIC CEILING TILE - 24" x 24"	AC1
GYP. CEILING	GYP
EXPOSED STRUCTURE AND METAL DECK, CLEANED AND PAINTED	
ACOUSTIC BAFFLE	AC1

KEYED NOTES:

07.43	ROOF HATCH
09.40	ACOUSTICAL BAFFLE
09.65	SUSPENDED ACOUSTIC FELT BAFFLE SYSTEM, MODULAR VERTICAL PANELS ARRANGED IN LINEAR PATTERN.
09.68	ACCESS PANEL IN WOOD CEILING
09.70	ACCESS PANEL IN GYPSUM WALL BOARD
26.14	PENDANT LIGHT. SEE ELECTRICAL

KEYPLAN



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HEBER EBEN RIGBY
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED CEILING FLOOR PLAN - 'AREA C'

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

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DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
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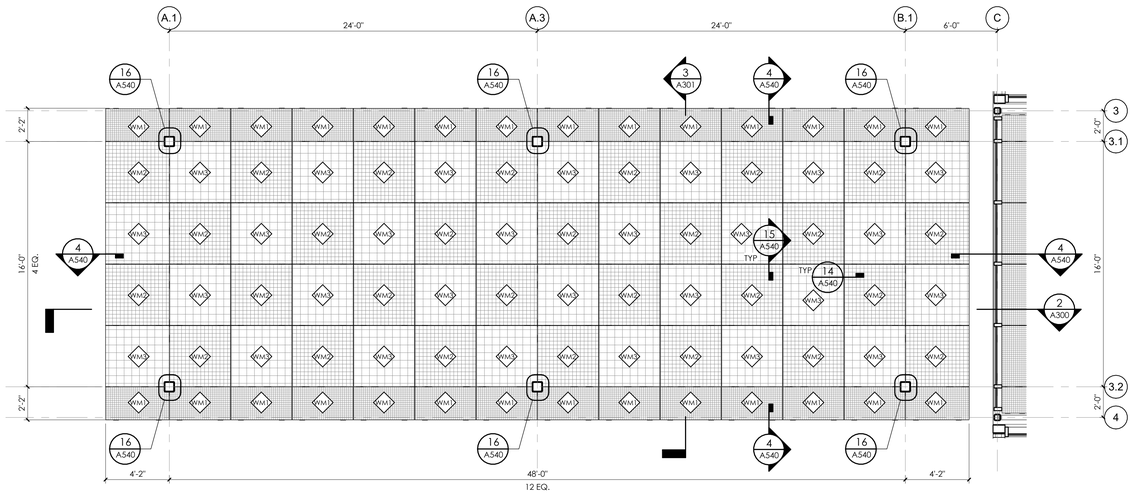
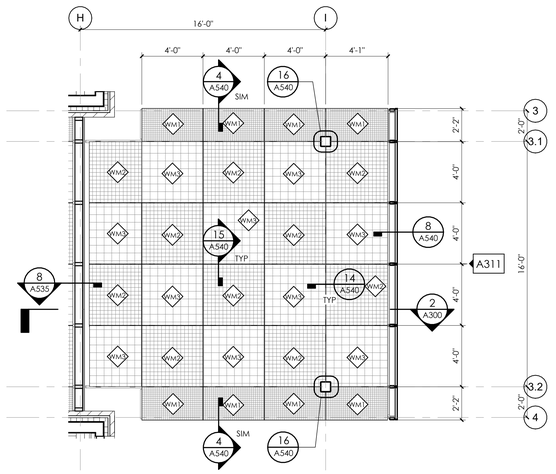


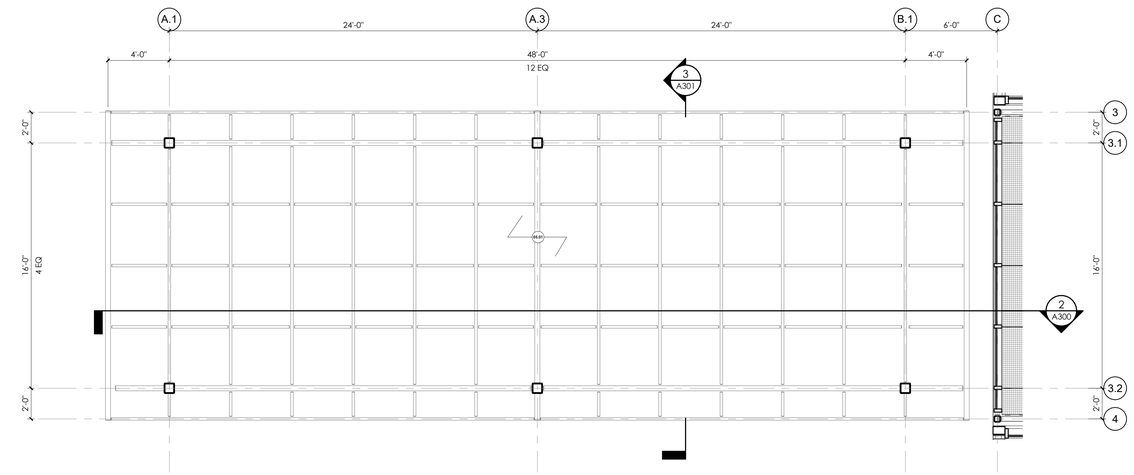
2 ENLARGED CEILING - MESH SHADE CANOPY

1/4" = 1'-0"



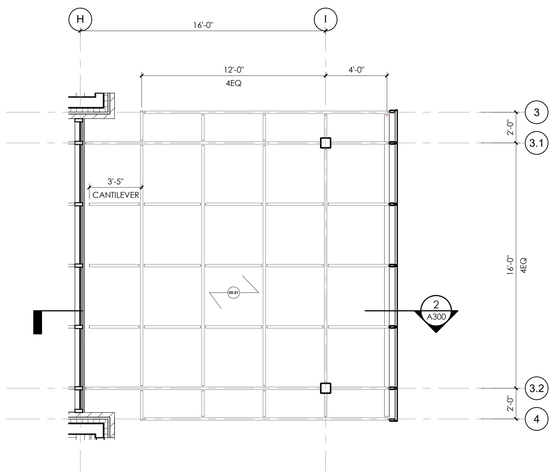
1 ENLARGED CEILING - ENTRY MESH SOFFIT

1/4" = 1'-0"



3 ENLARGED CEILING - MESH SHADE CANOPY STEEL FRAMING

1/4" = 1'-0"



4 ENLARGED CEILING - ENTRY MESH SOFFIT STEEL FRAMING

1/4" = 1'-0"

GENERAL NOTES:

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SYMBOL LEGEND

SURFACE MOUNTED OR LAY-IN CEILING LED FIXTURE. SEE ELECTRICAL PLAN FOR SIZE AND TYPE.	REGULAR FIXTURE / EMERGENCY FIXTURE
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AUDIO/VISUAL EQUIPMENT. COORDINATE LOCATION W/ ELECTRICAL & OWNER.	CAMERA
SUPPLY, RETURN & EXHAUST DIFFUSERS/GRILLES. SEE MECHANICAL.	SUPPLY / RETURN / EXHAUST

KEYED NOTES:

05.01 STEEL FRAMING, SEE STRUCTURAL DRAWINGS

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PROJECT DESCRIPTION

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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED CEILING FLOOR PLAN - MESH SOFFIT

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

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CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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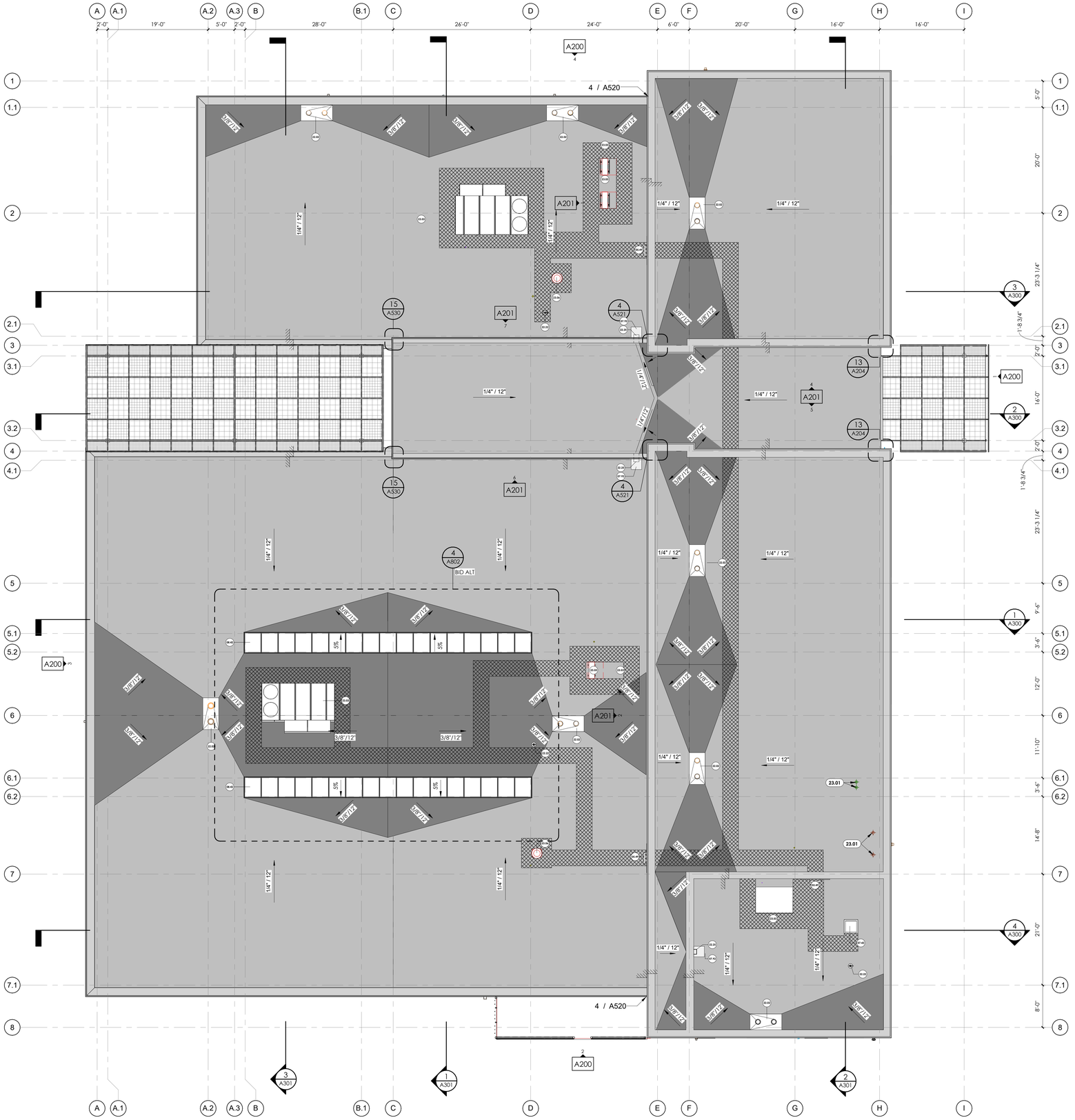

1 **ROOF PLAN**
1/8" = 1'-0", DWG REF: A200

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GENERAL NOTES AND LEGENDS:

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ROOF NOTES AND LEGEND

ROOFING CRICKETS ARE TO BE CONSTRUCTED OF TAPERED RIGID INSULATION UNLESS DETAILED OTHERWISE. CRICKETS ARE TO BE INSTALLED SO THAT A SLOPE OF 1/4" PER FOOT MINIMUM IS MAINTAINED ACROSS THE CRICKET VALLEY.

PROVIDE CRICKETS AT **ALL** ROOF TOP MOUNTED EQUIPMENT TO ASSURE POSITIVE DRAINAGE AROUND THOSE ELEMENTS.

THE CONTRACTOR IS TO ASSURE THAT THE MINIMUM PRIMARY ROOF SLOPE IS NOT LESS THAN 1/4" PER FOOT, ANY AREAS OF CONCERN SHOULD BE COORDINATED WITH THE ARCHITECT PRIOR TO BEING CONSTRUCTED.

ALL FLASHING, COUNTER FLASHING, AND SHEET METAL WORK SHOULD COMPLY WITH THE MINIMUM STANDARDS OF THE CURRENT EDITION OF SMACNA.

THE CONTRACTOR IS RESPONSIBLE TO REFERENCE THE STRUCTURAL, MECHANCIAL, AND ELECTRICAL DRAWINGS TO VERIFY THE LOCATIONS OF ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS. PENETRATIONS SHOULD MEET THE ROOFING SYSTEM MANUFACTURER'S RECCOMENDATIONS AND MAINTAIN THE ROOFING SYSTEM WARRANTY.

WHERE MEMBRANE EXTENDS TO THE TOP OF THE PARAPET, IT SHOULD WRAP UP AND OVER THE WOOD NAILER, THE AIR INFILTRATION BARRIER SHOULD ALSO EXTEND OVER THE TOP OF THE PARAPET WALL AND BE SEALED TO THE ROOFING MEMBRANE.

REFER TO SPECIFICATIONS FOR ALL ROOF COVERING WIND UPLIFT REQUIREMENTS.

FOR TYPICAL ROOF PENETRATIONS AND MECHANICAL CURB DETAILS, REFER TO MECHANICAL DRAWINGS.

SYMBOLS LEGEND

- ROOFING MEMBRANE OVER ROOF SHEATHING
- ROOFING MEMBRANE OVER BUILT-UP SLOPE OR CRICKET
- VALLEY OR RIDGE WITHIN BUILT-UP INSULATION OR CRICKET
- ROOF WALKWAY PAD
- SPLASH PROTECTION PAD

KEYED NOTES:

05.49	STEEL FIXED ACCESS LADDER
07.43	ROOF HATCH
07.92	SPLASH PROTECTION
08.42	MODULAR SKYLIGHT SYSTEM: BASIS OF DESIGN VELUX. PROVIDE COMPLETE FACTORY-FABRICATED SYSTEM WITH FRAMES, GLAZING, AND FLASHING. INSTALL PER MANUFACTURER 'S INSTRUCTIONS AND COORDINATE WITH ROOF CONSTRUCTION.
22.02	ROOF DRAIN. SEE PLUMBING DRAWINGS
22.22	ROOF HYDRANT. SEE PLUMBING DRAWINGS FOR DETAILS
22.25	ROOF DRAIN SCUPPER TO LEADER TO LOWER ROOF
23.01	MECHANICAL DUCT, SEE MECHANICAL DRAWINGS
23.03	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
23.06	EXHAUST FAN, SEE MECHANICAL DRAWINGS

SKYLIGHT AREA / GLAZING COMPLIANCE:

TOTAL ROOF AREA = 24,200 SF
TOTAL SKYLIGHT AREA = 400 SF

SKYLIGHT AREA = 1.7% OF GROSS ROOF AREA

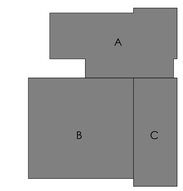
PROVIDED SKYLIGHT AREA IS LESS THAN THE MAXIMUM 3% ALLOWED BY 2021 IECC SECTION C402.4.1.

DESIGN COMPLIES.

SKYLIGHTS SHALL BE DESIGNED TO EXCLUDE DIRECT SUNLIGHT FROM ENTERING OCCUPIED SPACES THROUGH THE USE OF DIFFUSING GLAZING, BAFFLES, OR SKYLIGHT GEOMETRY.

COMPLY WITH 2021 IECC SECTION C402.4.2.2.

KEYPLAN



0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

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ARCHITECT / CONSULTANT

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PROJECT DESCRIPTION

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100% Construction Documents
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SHEET NAME:

ROOF PLAN

REVISIONS

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PROJECT#:	**2023-41**

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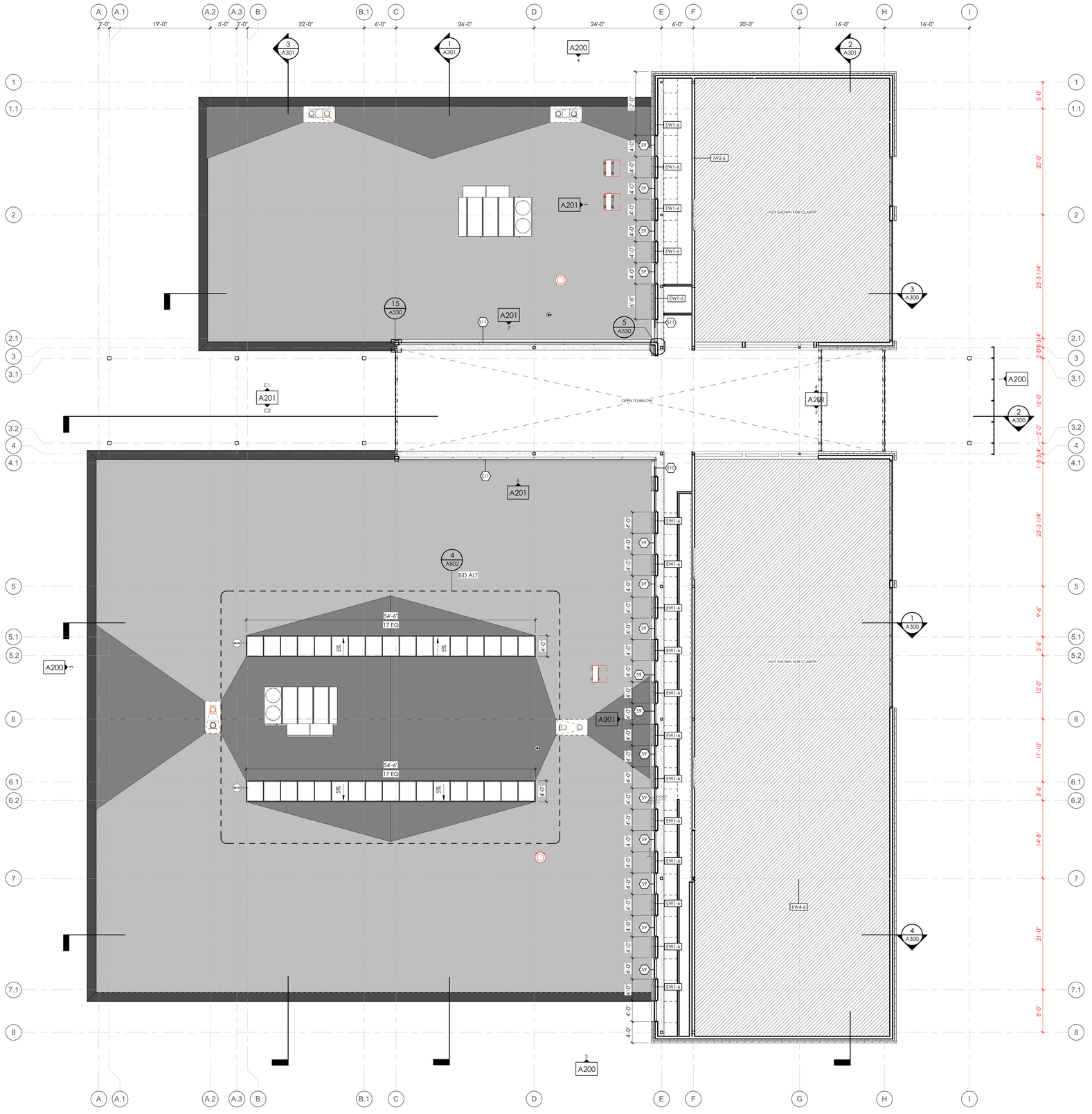

1 CLERESTORY PLAN

1/8" = 1'-0" , DWG REF: A200

GENERAL NOTES AND LEGENDS:

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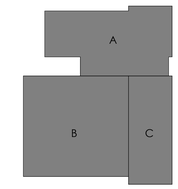
ROOFING MEMBRANE OVER BUILT-UP SLOPE OR CRICKET	
VALLEY OR RIDGE WITHIN BUILT-UP INSULATION OR CRICKET	
ROOF WALKWAY PAD	
SPLASH PROTECTION PAD	

KEYED NOTES:

08.42 MODULAR SKYLIGHT SYSTEM: BASIS OF DESIGN VELUX. PROVIDE COMPLETE FACTORY-FABRICATED SYSTEM WITH FRAMES, GLAZING, AND FLASHING. INSTALL PER MANUFACTURER 'S INSTRUCTIONS AND COORDINATE WITH ROOF CONSTRUCTION.

KEYPLAN



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AHJ



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PROJECT#:	**2023-41**

SHEET NUMBER:

A106

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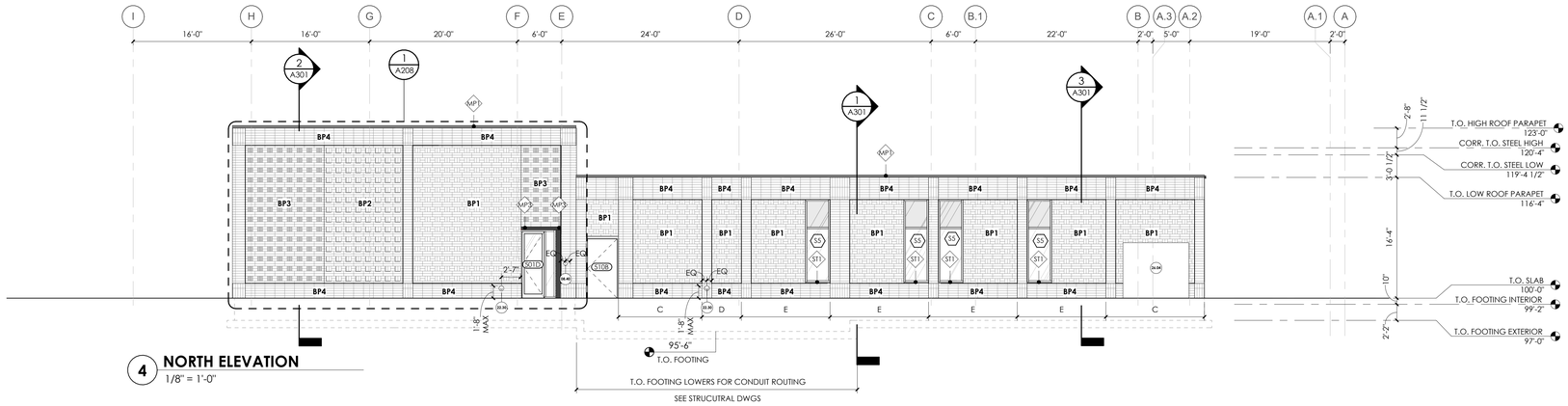
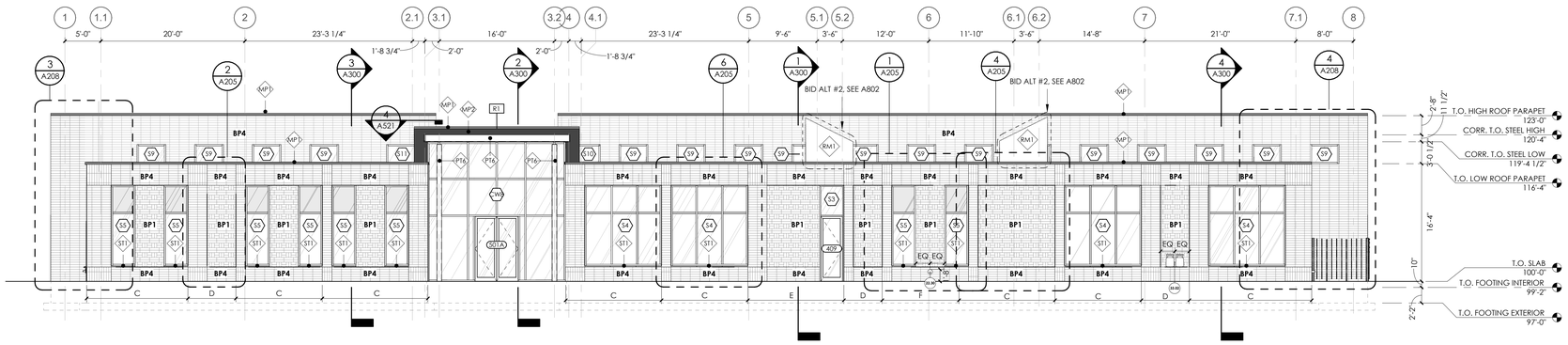
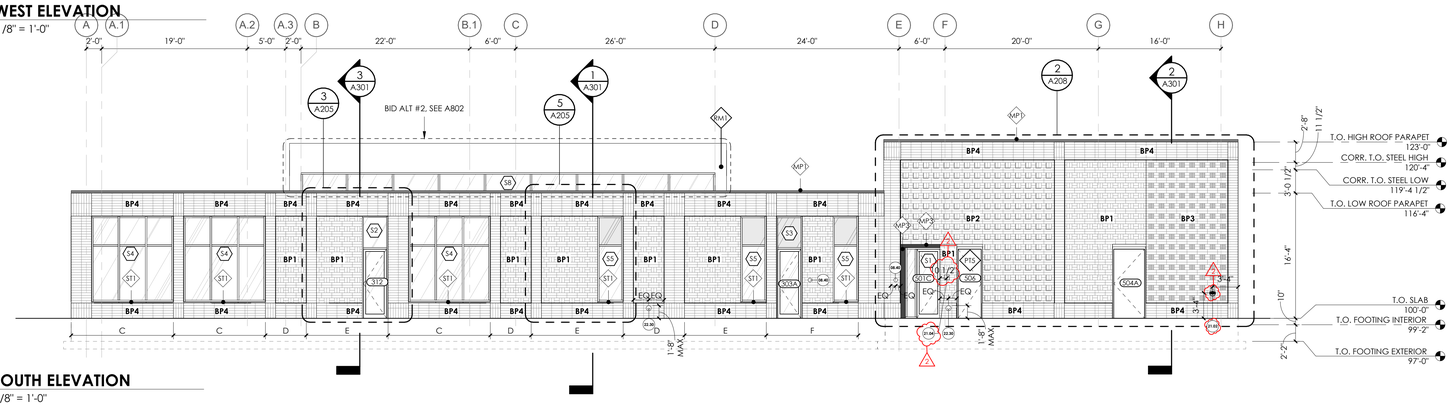


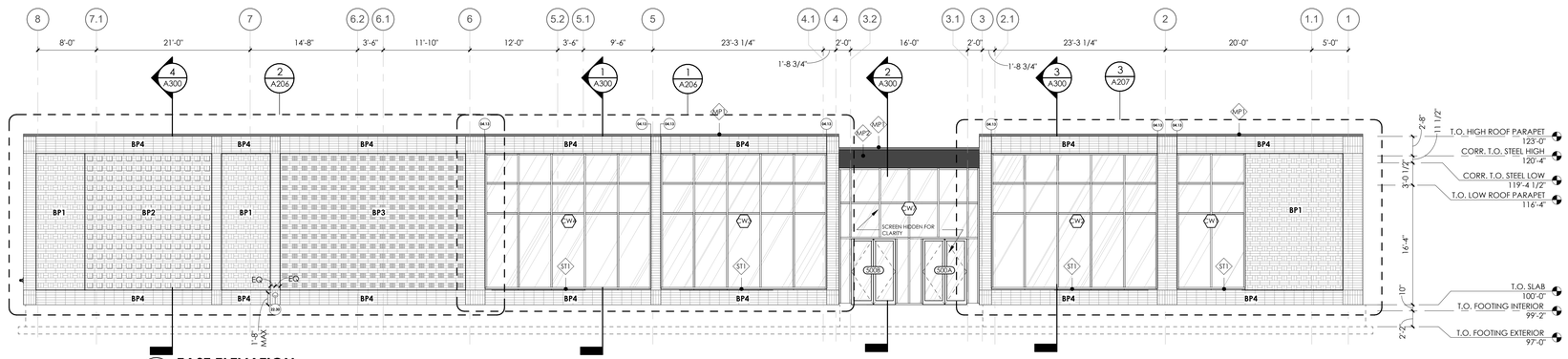
4 NORTH ELEVATION
1/8" = 1'-0"



3 WEST ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



1 EAST ELEVATION
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GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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EXTERIOR FINISHES

GALVANIZED STRUCTURAL STEEL - PAINTED, HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	PT6
GALVANIZED WOVEN WIRE MESH - DENSITY 1 - HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	WM1
GALVANIZED WOVEN WIRE MESH - DENSITY 2 - HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	WM2
GALVANIZED WOVEN WIRE MESH - DENSITY 3 - HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	WM3
EXTERIOR BRICK - BRICK PATTERN 1 - INSTERSTATE BRICK - COLOR: TUMBLEWEED	BP1
EXTERIOR BRICK - BRICK PATTERN 2 - INSTERSTATE BRICK - COLOR: TUMBLEWEED	BP2
EXTERIOR BRICK - BRICK PATTERN 3 - INSTERSTATE BRICK - COLOR: TUMBLEWEED	BP3
EXTERIOR BRICK - BRICK PATTERN 4 - B4 BRICK PROFILES AND COURSING VARY, SEE ENLARGED ELEVATIONS AND BRICK TYPES.	BP4
SOLID SANDSTONE - SILL -DELTA STONE -MOUNTAIN VALLEY STONE	ST1
FULLY ADHERED ROOF MEMBRANE	RM1
PREFINISHED METAL PARAPET CAP - DARK BRONZE, TO MATCH STOREFRONT	MP1
PREFINISHED COMPOSITE METAL PANEL - ACM -DARK BRONZE TO MATCH STOREFRONT	MP2
PREFINISHED BRAKE METAL -DARK BRONZE, TO MATCH STOREFRONT	MP3
POWDERCOATED BAR STEEL - SW 9031 PRIMAVERA	PT7
GALVANIZED STEEL PLATE - HIGH PERFORMANCE COATING - DARK BRONZE, TO MATCH STOREFRONT	PT8

NOTE: ALL SELECTIONS IDENTIFED IN THIS LEGEND ARE BASIS OF DESIGN.

KEYED NOTES:

04.13	MASONRY CONTROL JOINT
08.40	ADA ACTUATOR, SEE ELECTRICAL DRAWINGS, COORDINATE LOCATION WITH ARCHITECT.
21.02	FIRE DEPARTMENT CONNECTION
21.04	KNOX BOX, SEE ELEVATIONS
22.30	OVERFLOW ROOF DRAIN DOWNSPOUT
26.04	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
33.02	GAS METER, SEE CIVIL DRAWINGS

VERTICAL FENESTRATION COMPLIANCE:

TOTAL ABOVE-GRADE EXTERIOR WALL AREA = 15,566 SF
TOTAL VERTICAL FENESTRATION AREA (INCLUDING STOREFRONT GLAZING, CURTAIN WALL, AND GLAZED DOORS) = 4,523 SF

VERTICAL FENESTRATION AREA = 29.1% OF GROSS WALL AREA

PROVIDED FENESTRATION AREA IS LESS THAN THE MAXIMUM 30% ALLOWED BY 2021 IECC SECTION C402.4.1.

DESIGN COMPLIES.

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN CRAWLEY
No. 8715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELEVATIONS

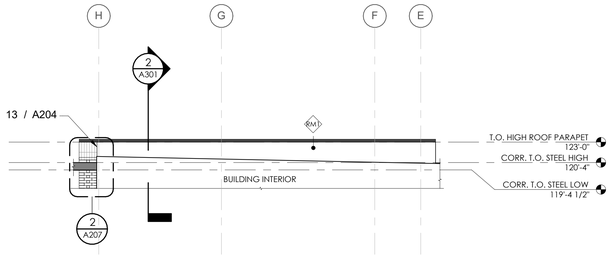
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision
2	06/04/20 26	ADDENDUM 01

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

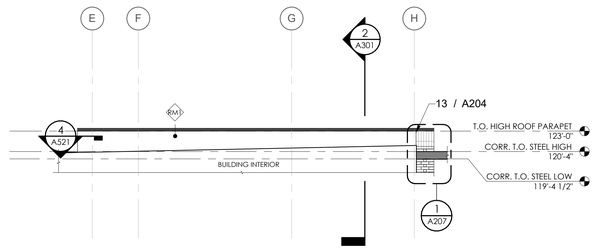
SHEET NUMBER:

A200



5 PASS THROUGH ROOF ELEVATION - SOUTH

1/8" = 1'-0" , DWG REF: A104.D



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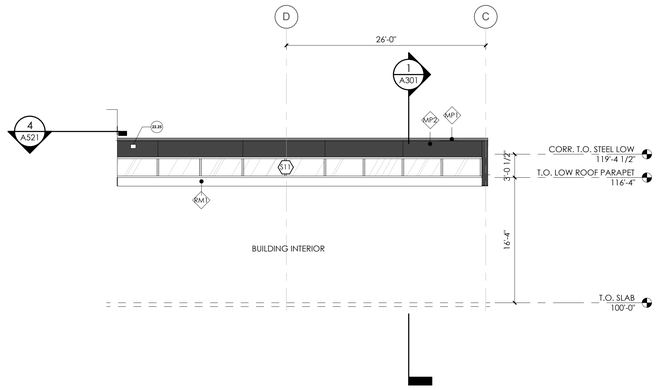
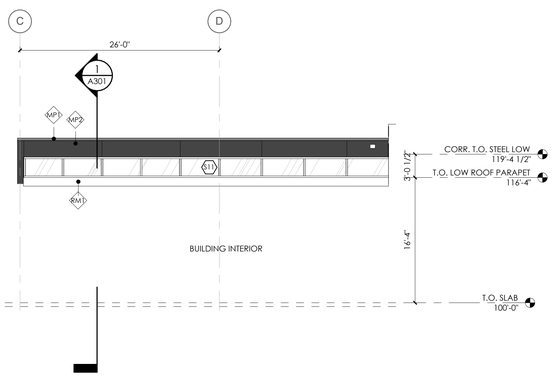


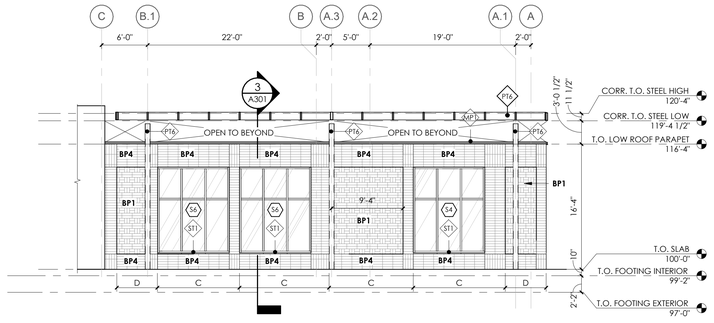
7 NORTH CLERESTORY @ MAIN CORRIDOR

1/8" = 1'-0" , DWG REF: A105



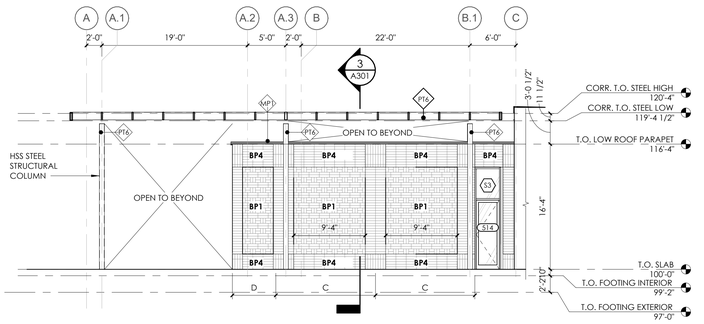
6 SOUTH CLERESTORY @ MAIN CORRIDOR

1/8" = 1'-0" , DWG REF: A101.C



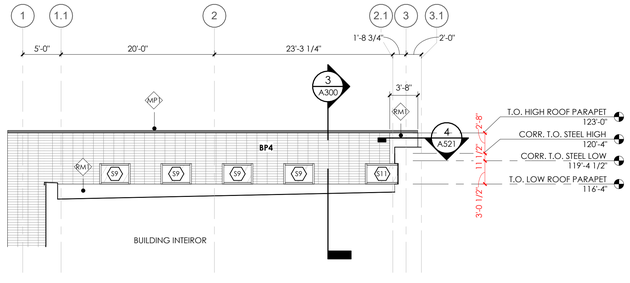
C2 SOUTH EMPLOYEE PLAZA ELEVATION

1/8" = 1'-0" , DWG REF: A101



C1 NORTH EMPLOYEE PLAZA ELEVATION

1/8" = 1'-0" , DWG REF: A101



1 NORTH CLERSTORY ELEVATION

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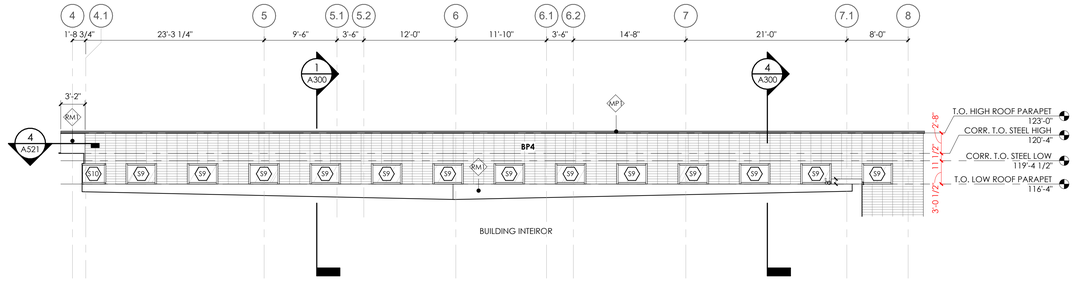

2 SOUTH CLERESTORY ELEVATION

1/8" = 1'-0" , DWG REF: A105

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KEYED NOTES:

22.25 ROOF DRAIN SCUPPER TO LEADER TO LOWER ROOF

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salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN ROBERT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A201

5/26/2026 9:21:54 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
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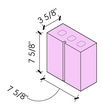
BRICK SHAPES

MANUFACTURED SHAPES
COLOR: TUMBLEWEED



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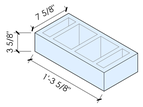

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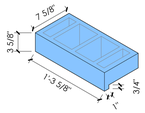

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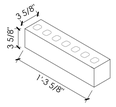

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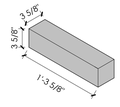
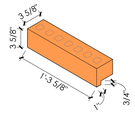


B4-S SOLID CORE



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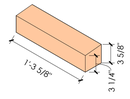


B4-SS SLOPED SOLID SILL

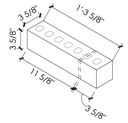


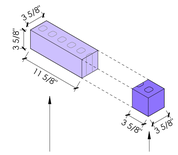
B6



B6-S SOLID CORE

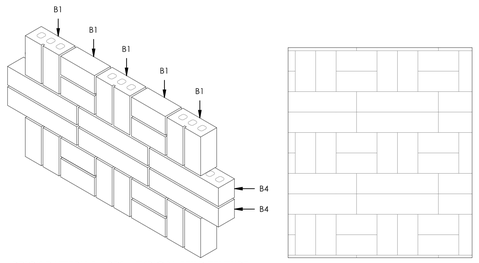
FEILD CUT SHAPES
COLOR: TUMBLEWEED



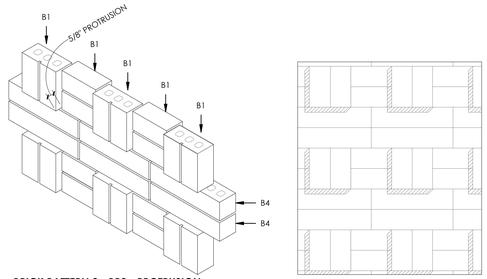


B5-A **B5-B**

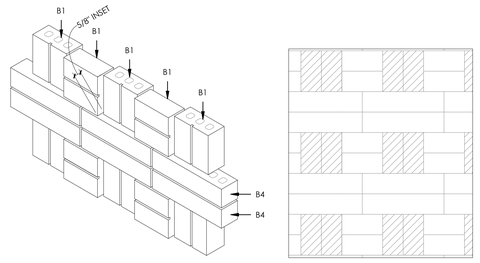
BRICK PATTERNS



BRICK PATTERN 1 - BP1 - TYPICAL FEILD TEXTURE



BRICK PATTERN 2 - BP2 - PROTRUSION



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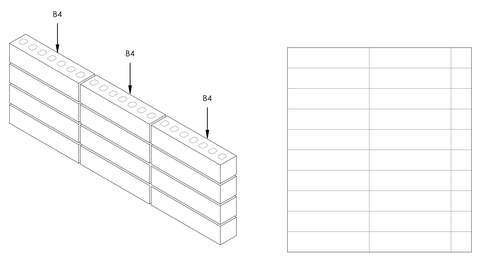

BRICK PATTERN 4 - BP4 -BORDER

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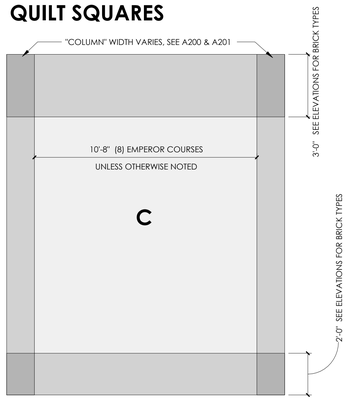
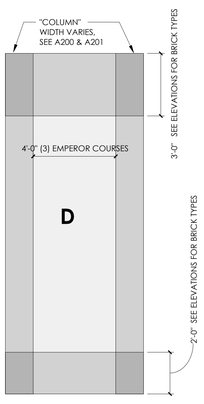
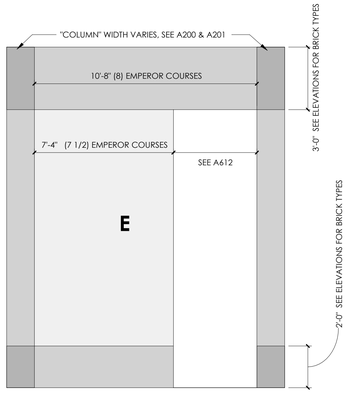
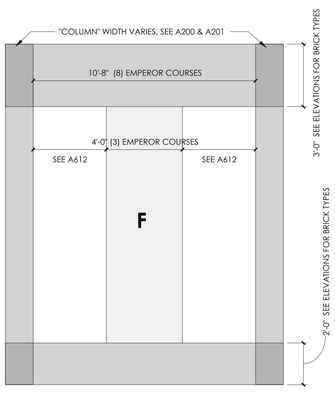
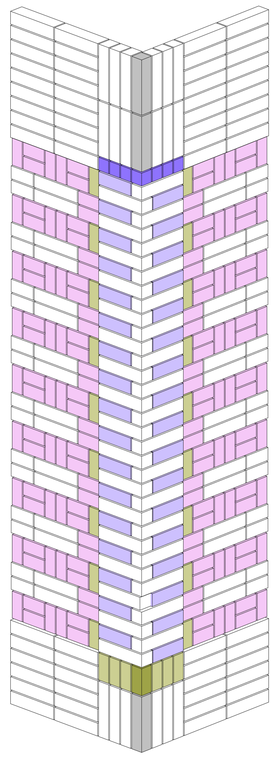


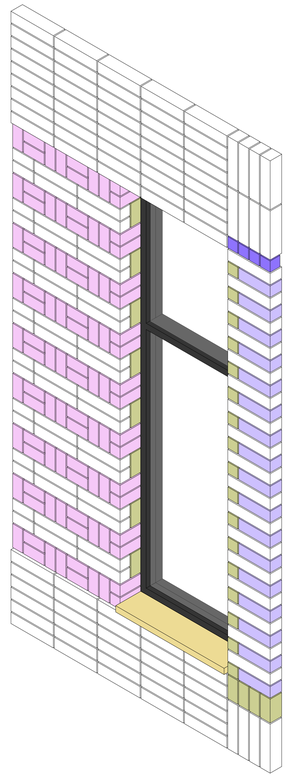




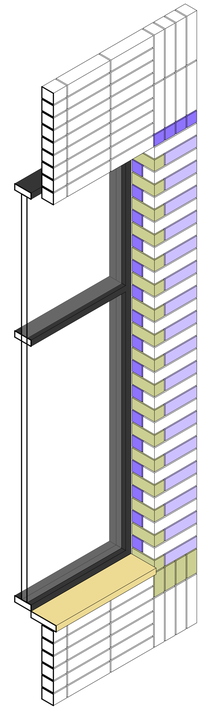




3 TYPICAL BRICK OUTSIDE CORNER



2 TYPICAL BRICK JAMB @ FEILD TEXTURE



1 TYPICAL BRICK JAMB @ BORDER

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:21:56 AM

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salt lake city, ut 84105
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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELEVATIONS - BRICK PATTERNS AND TYPES

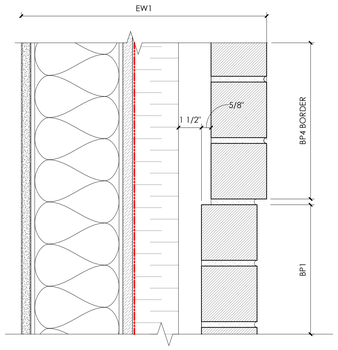
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

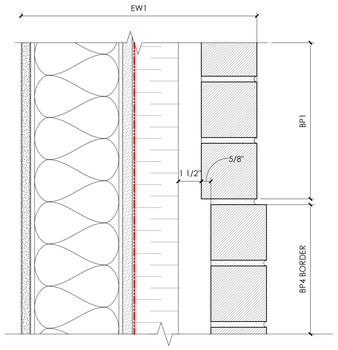
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

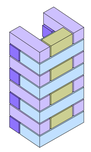
A203



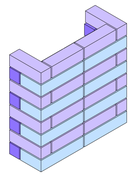
11 BRICK BORDER - HEAD TRANSITION
3" = 1'-0" , DWG REF: A205



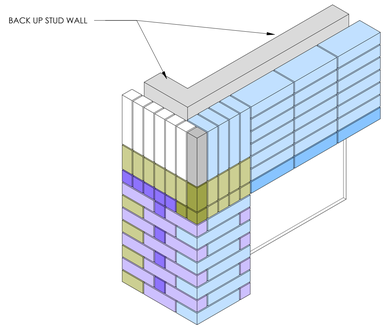
12 BRICK BORDER - SILL TRANSTION
3" = 1'-0" , DWG REF: A205



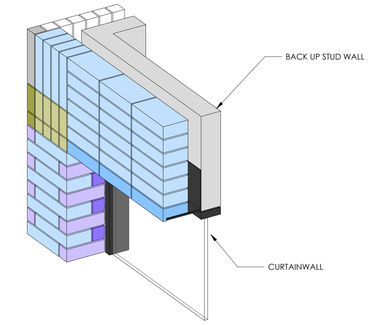
3 TYP. SINGLE COURSE COLUMN

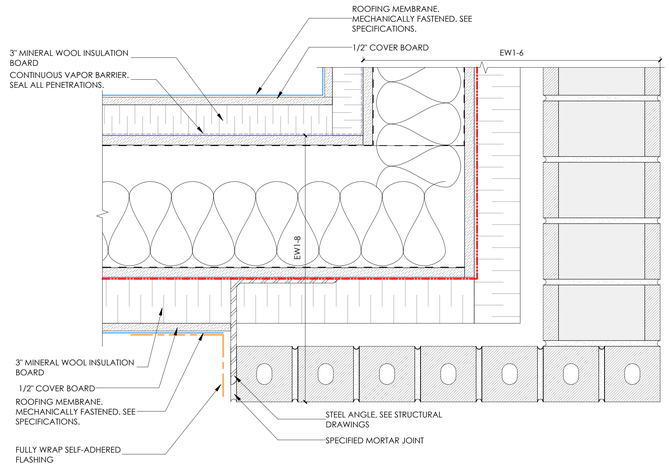


4 TYP. DOUBLE COURSE COLUMN

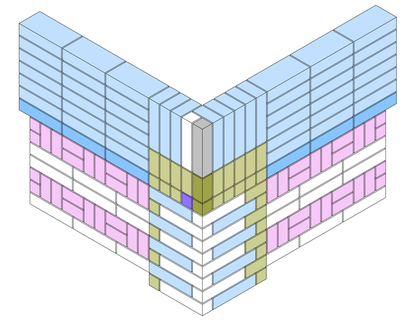


2 OUTSIDE CORNER @ VESTIBULE

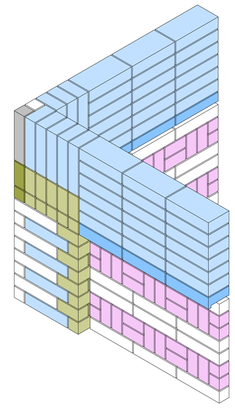


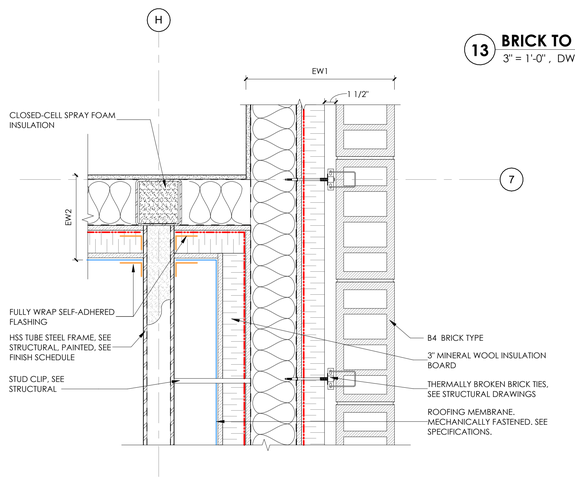


13 BRICK TO ROOF TRANSITION @ VESTIBULE
3" = 1'-0" , DWG REF: A105

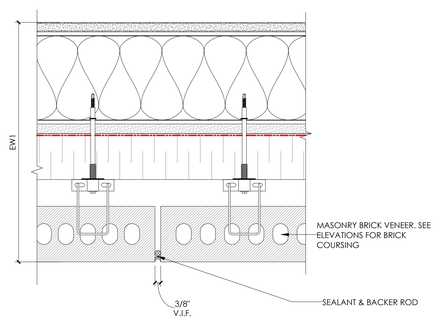


1 TYP. OUTSIDE CORNER

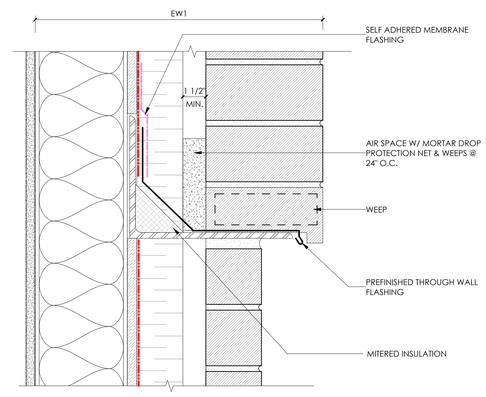




6 PLAN DETAIL AT MECHANICAL PIT
1 1/2" = 1'-0" , DWG REF: A206



8 BRICK VENEER CONTROL JOINT
3" = 1'-0" ,



7 BRICK @ BORDER - HEAD
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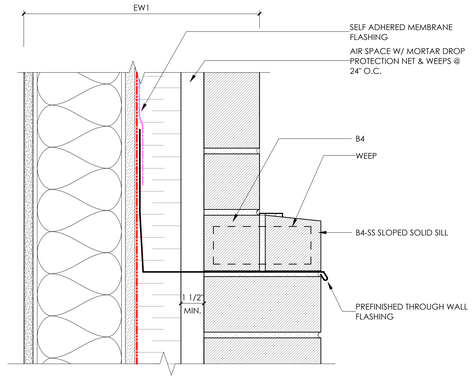
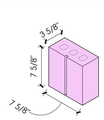


5 BRICK @ BORDER - SILL
3" = 1'-0" , DWG REF: A206

BRICK SHAPES

MANUFACTURED SHAPES
COLOR: TUMBLEWEED



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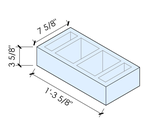

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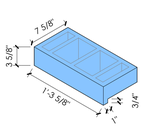

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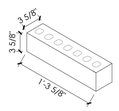

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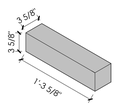
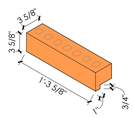


B4-S SOLID CORE



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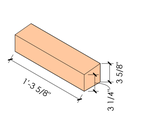
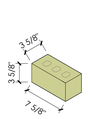
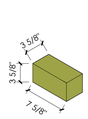


B4-SS SLOPED SOLID SILL

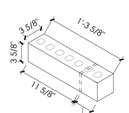


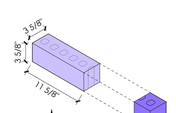
B6

FEILD CUT SHAPES
COLOR: TUMBLEWEED



B6-S SOLID CORE





B5-A **B5-B**

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:21:57 AM

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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELEVATIONS - BRICK DETAILS

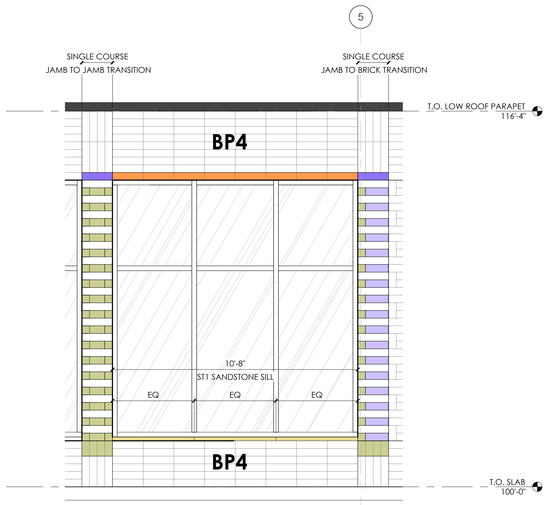
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

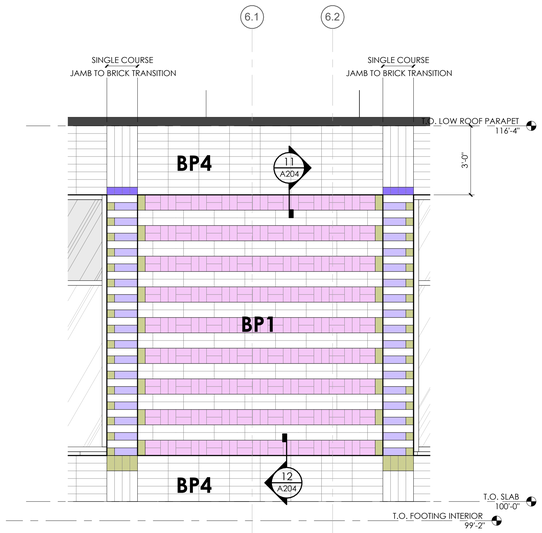
SHEET NUMBER:

A204



6 ENLARGED ELEVATION - QUILT TYPE C

3/8" = 1'-0" , DWG REF: A200



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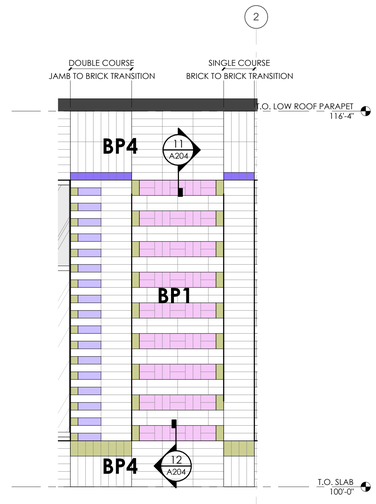

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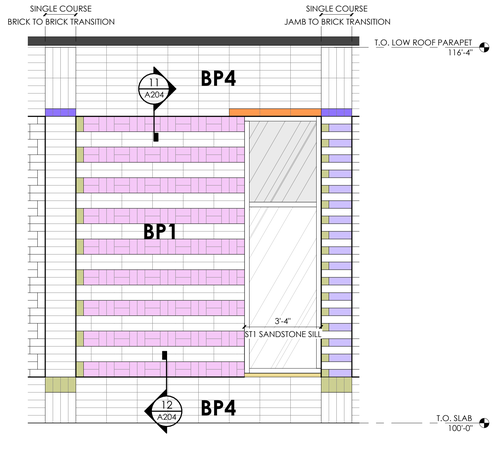

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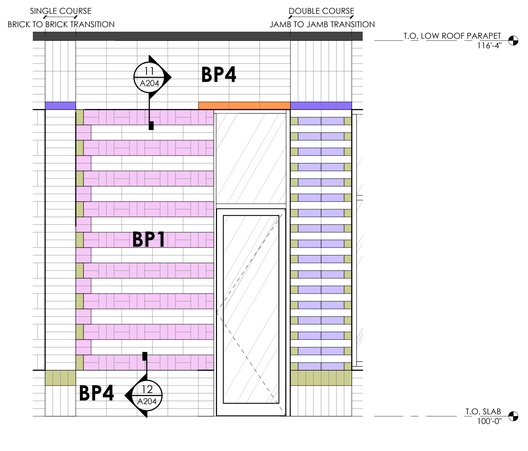

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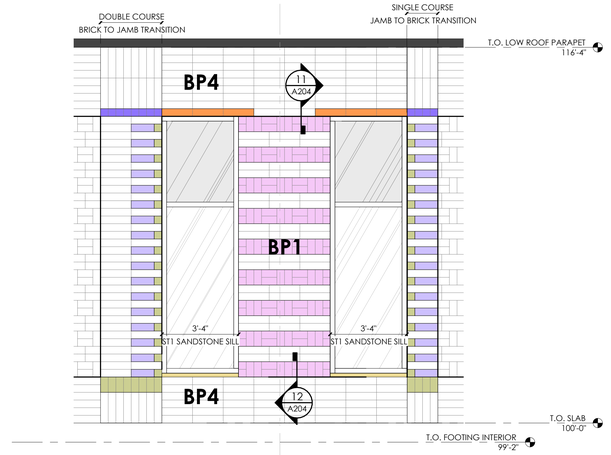

1 ENLARGED ELEVATION - QUILT TYPE F

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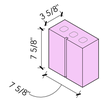
BRICK SHAPES

MANUFACTURED SHAPES
COLOR: TUMBLEWEED



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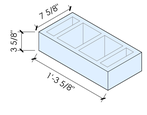

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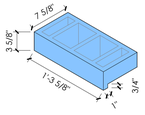

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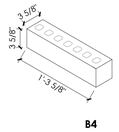

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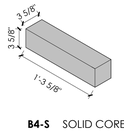
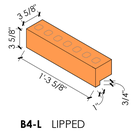


B4-S SOLID CORE



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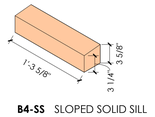
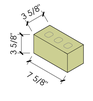


B4-SS SLOPED SOLID SILL



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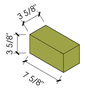
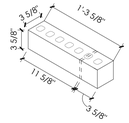
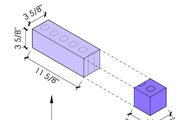


B6-S SOLID CORE

FEILD CUT SHAPES
COLOR: TUMBLEWEED





B5-A **B5-B**

5/26/2026 9:22:00 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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AHJ



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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED ELEVATIONS

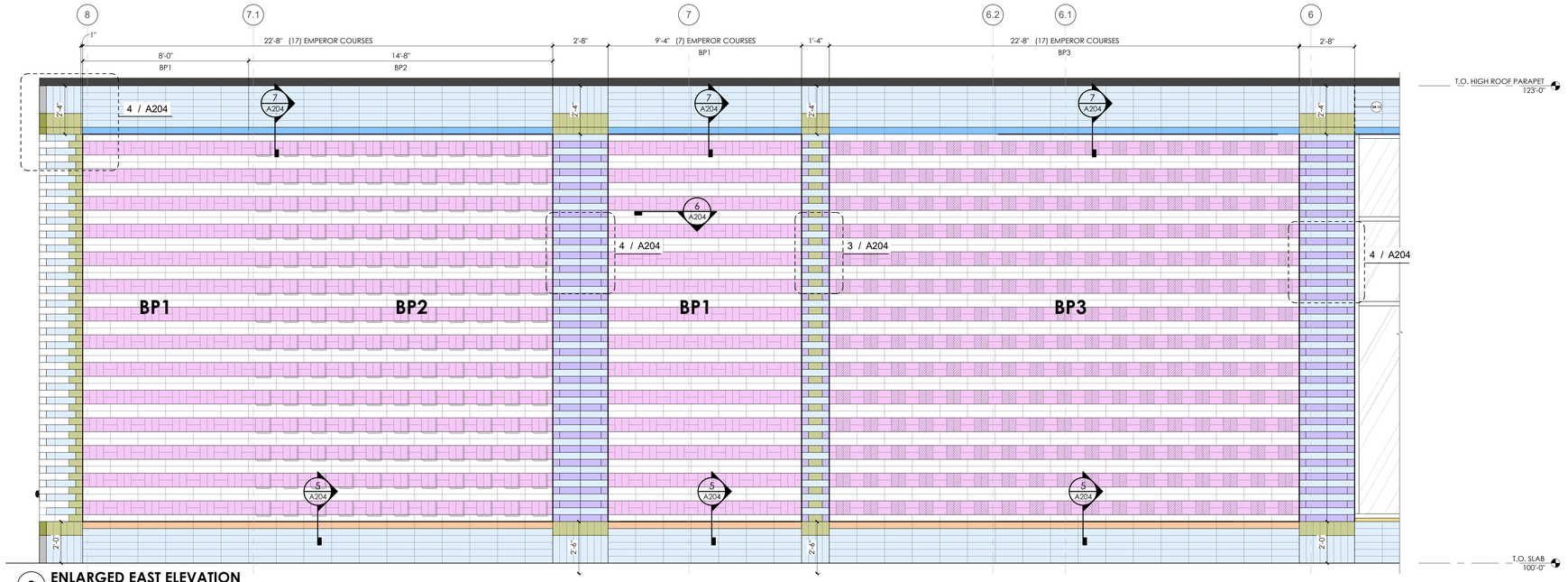
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

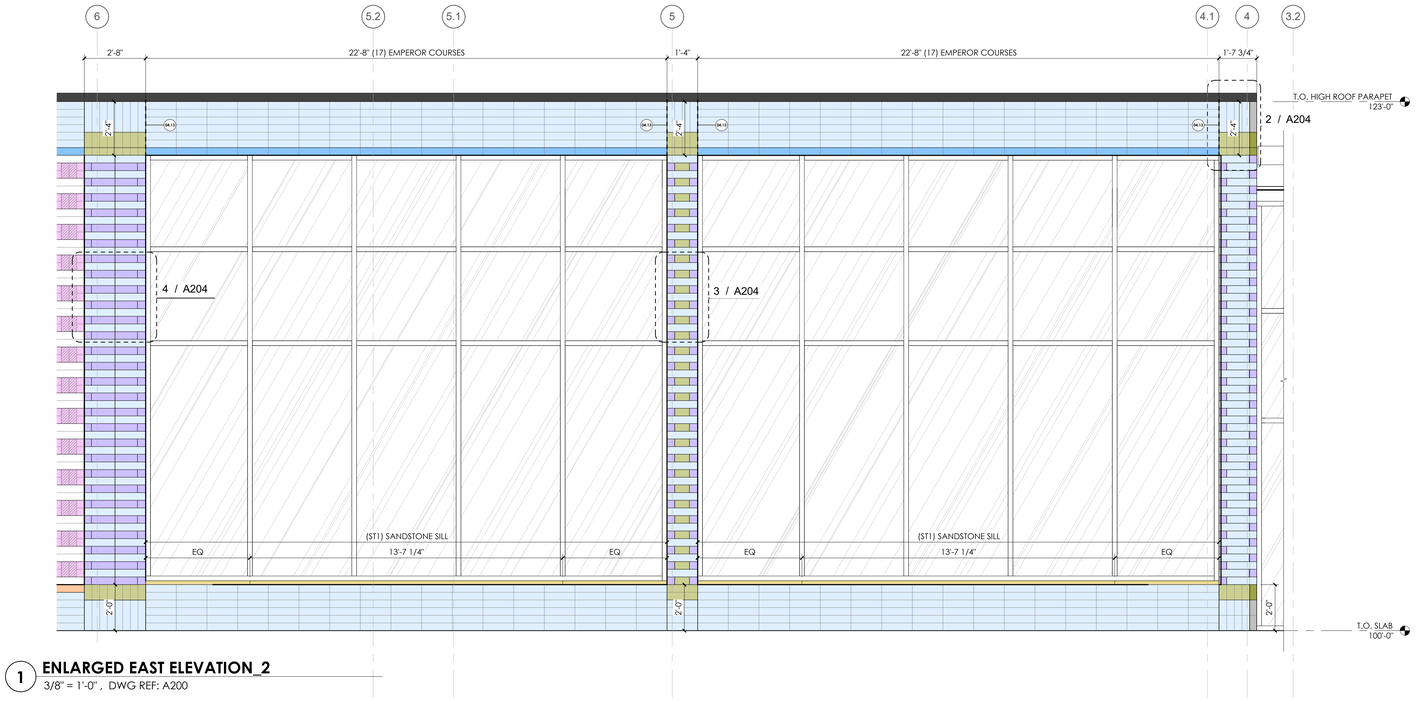
ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A205



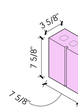
2 ENLARGED EAST ELEVATION
3/8" = 1'-0" , DWG REF: A200



1 ENLARGED EAST ELEVATION_2
3/8" = 1'-0" , DWG REF: A200

BRICK SHAPES

MANUFACTURED SHAPES
COLOR: TUMBLEWEED



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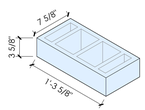

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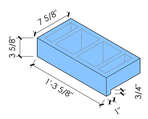

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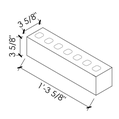

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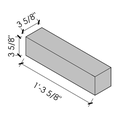
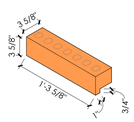


B4-S SOLID CORE



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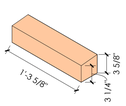
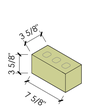


B4-SS SLOPED SOLID SILL



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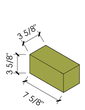
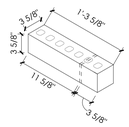
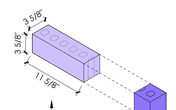


B6-S SOLID CORE

FEILD CUT SHAPES
COLOR: TUMBLEWEED





B5-A **B5-B**

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:22:03 AM
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703 east 1700 south
salt lake city, ut 84105
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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

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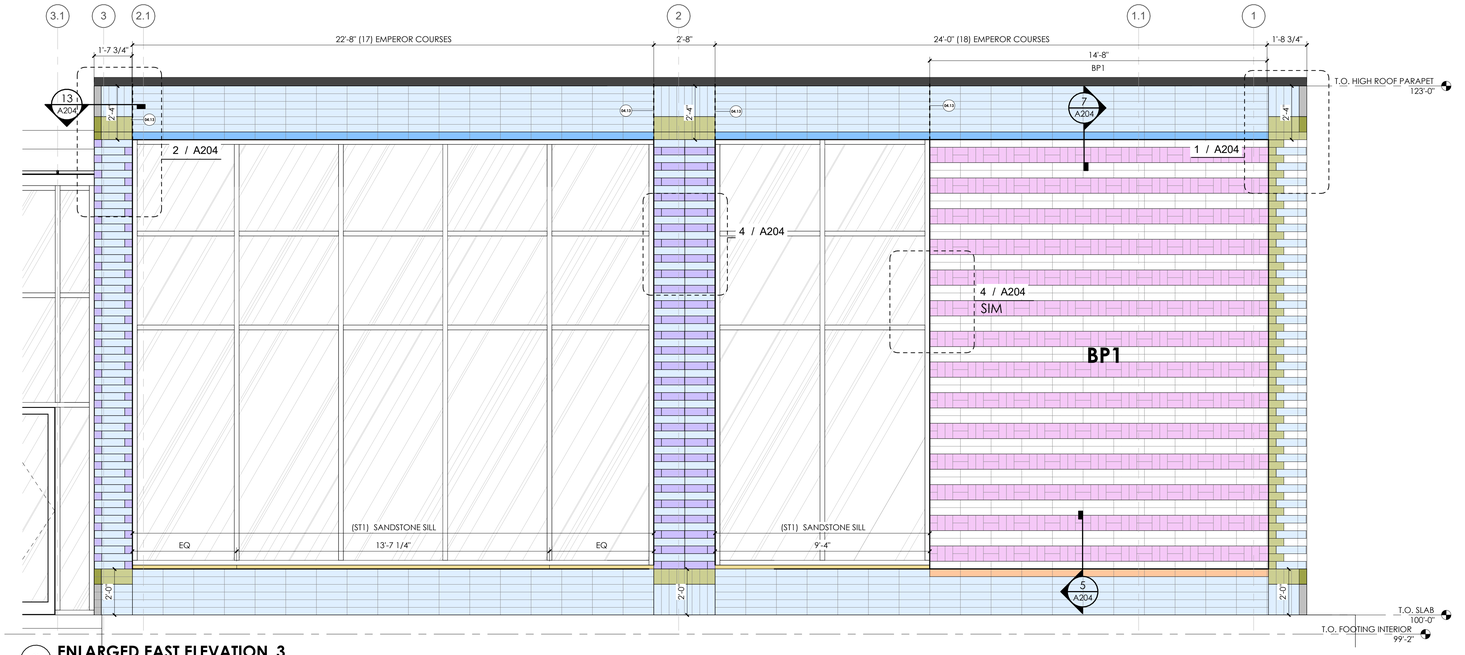
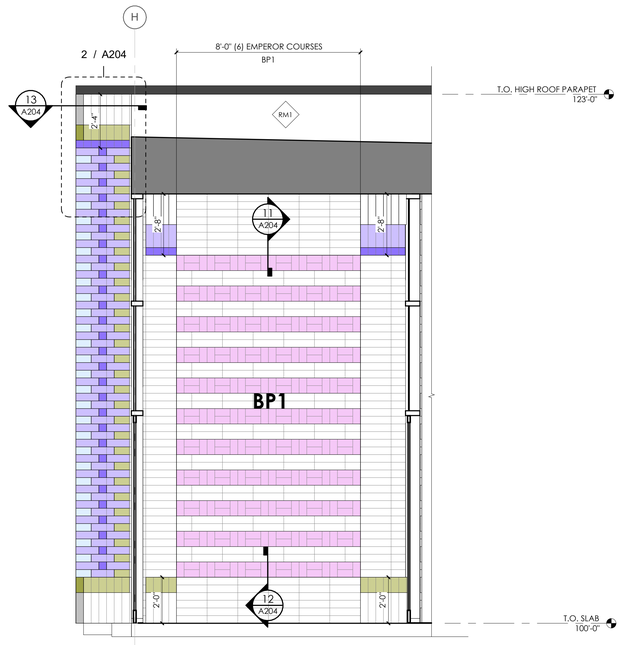
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

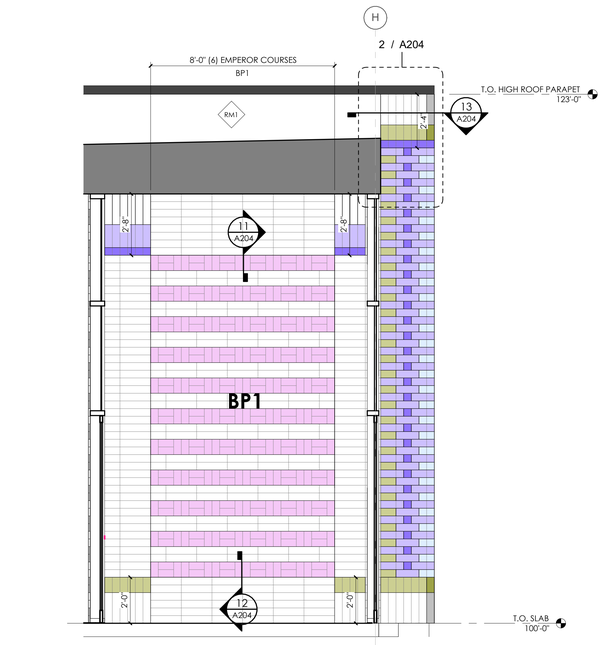
A206



3 ENLARGED EAST ELEVATION_3
3/8" = 1'-0" , DWG REF: A200



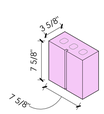
2 ENLARGED VESTIBULE ELEVATION - SOUTH
3/8" = 1'-0" , DWG REF: A101



1 ENLARGED VESTIBULE ELEVATION - NORTH
3/8" = 1'-0" , DWG REF: A101

BRICK SHAPES

MANUFACTURED SHAPES
COLOR: TUMBLEWEED



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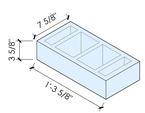

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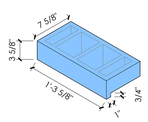

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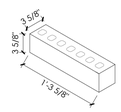

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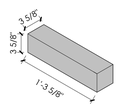
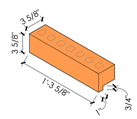


B4-S SOLID CORE



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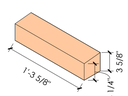


B4-SS SLOPED SOLID SILL

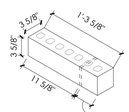


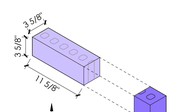
B6

FEILD CUT SHAPES
COLOR: TUMBLEWEED



B6-S SOLID CORE





B5-A **B5-B**

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5/26/2026 9:22:06 AM
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703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED ELEVATIONS

REVISIONS

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1	05/14/26	Permit Revision

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ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

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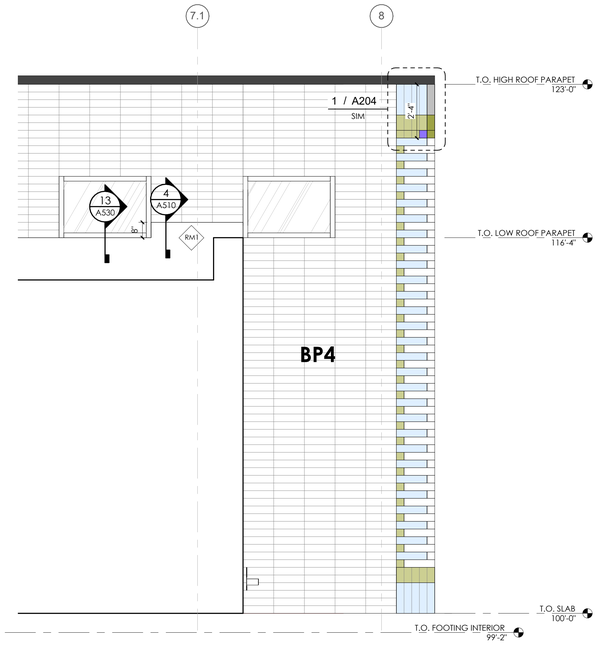
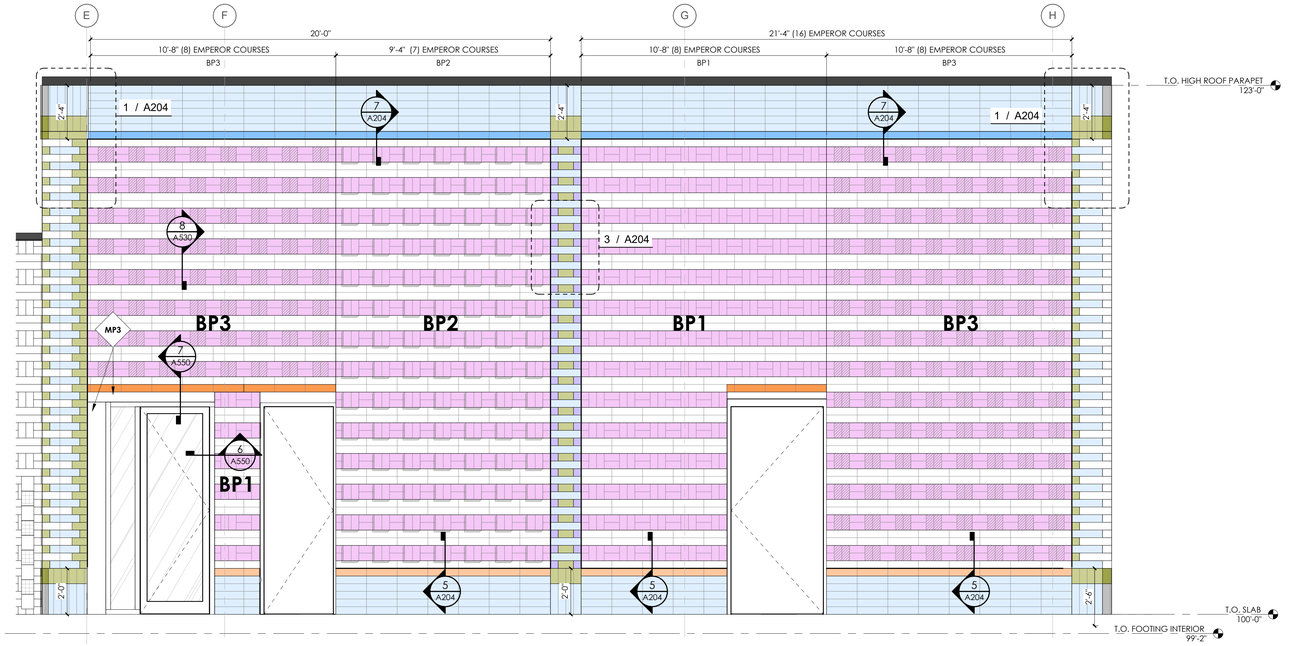
A207



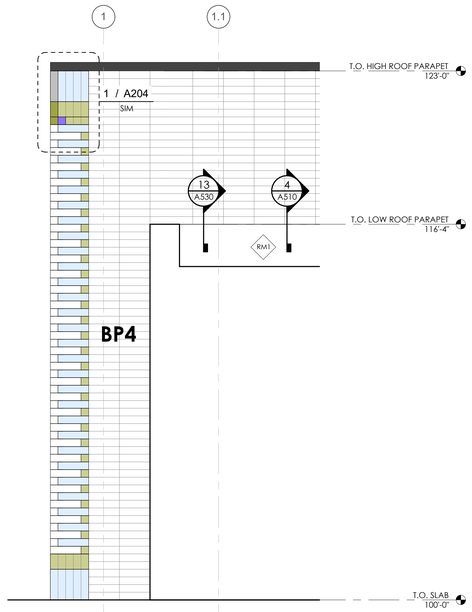
4 ENLARGED WEST ELELVATION - SOUTH CORNER

3/8" = 1'-0" , DWG REF: A200



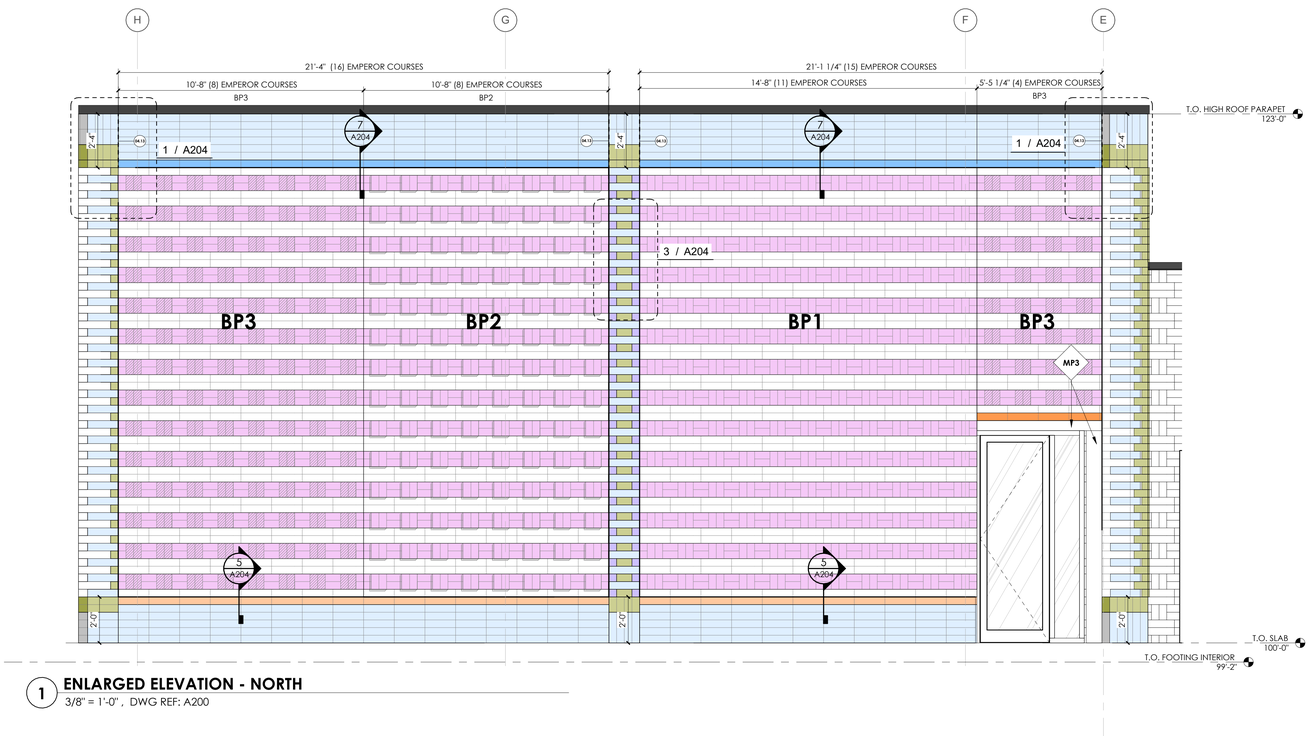
2 ENLARGED ELEVATION - SOUTH

3/8" = 1'-0" , DWG REF: A200



3 ENLARGED WEST ELEVATION - NORTH CORNER

3/8" = 1'-0" , DWG REF: A200

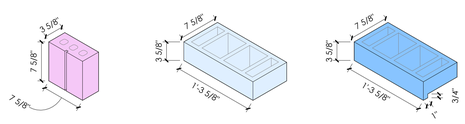


1 ENLARGED ELEVATION - NORTH

3/8" = 1'-0" , DWG REF: A200

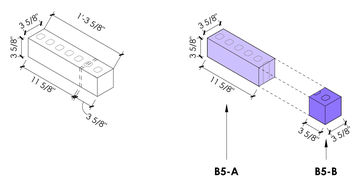
BRICK SHAPES

MANUFACTURED SHAPES
COLOR: TUMBLEWEED



B1 **B3** **B3-L** LIPPED **B4** **B4-S** SOLID CORE **B4-L** LIPPED **B4-SS** SLOPED SOLID SILL **B6** **B6-S** SOLID CORE

FEILD CUT SHAPES
COLOR: TUMBLEWEED



B5-A **B5-B**

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GARBETT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A208

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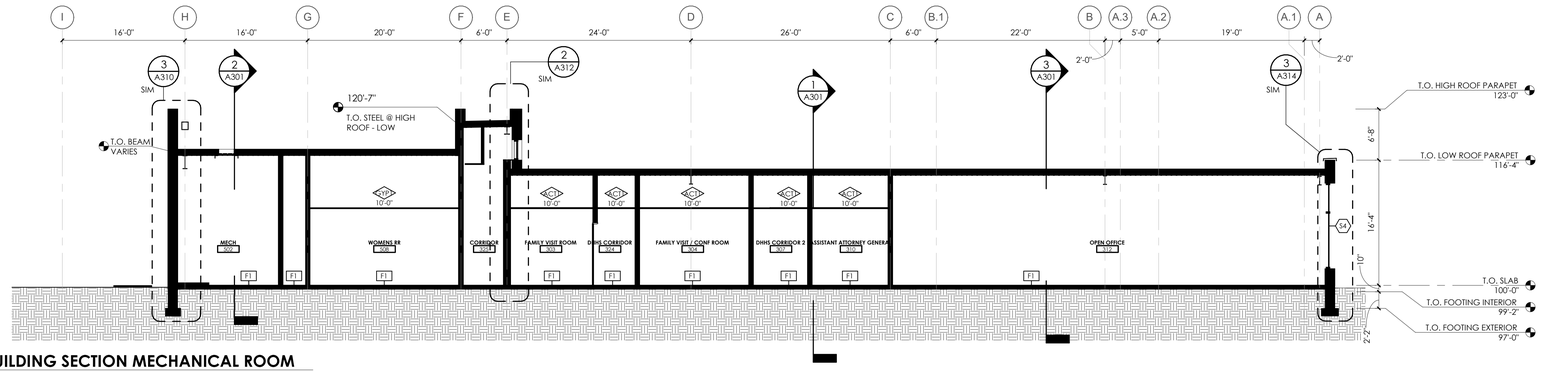
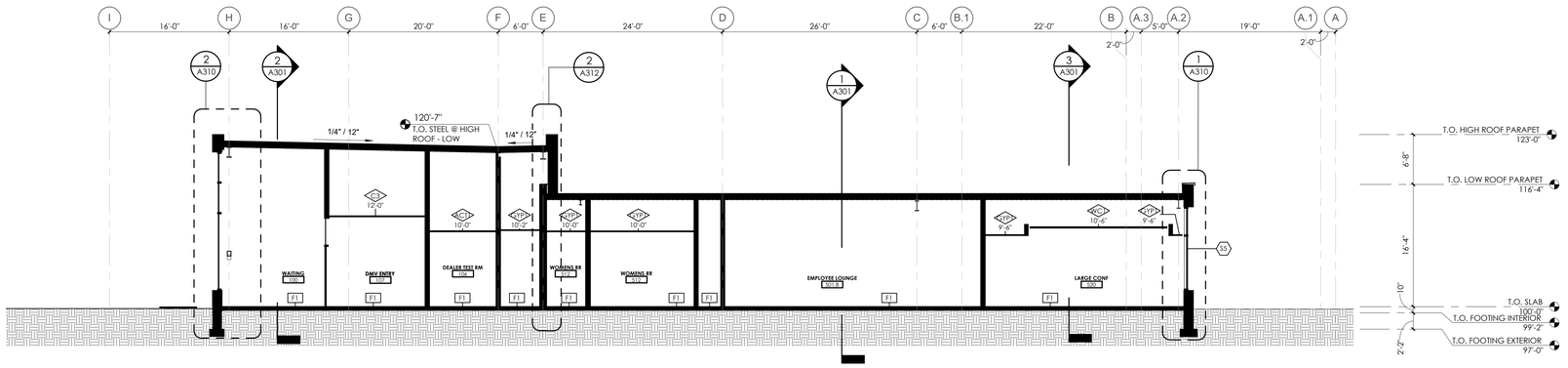


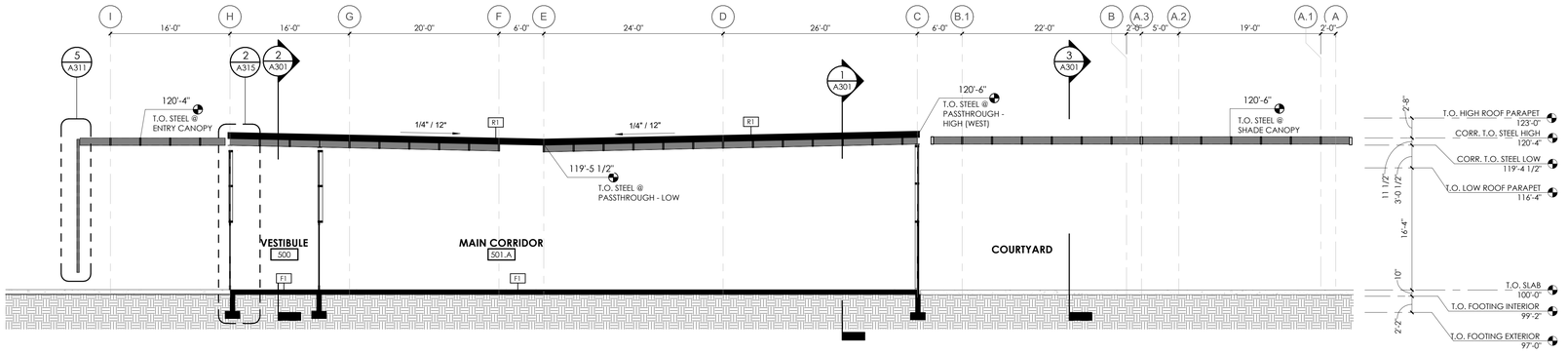
4 EAST/WEST BUILDING SECTION MECHANICAL ROOM

1/8" = 1'-0" , DWG REF: A100.A



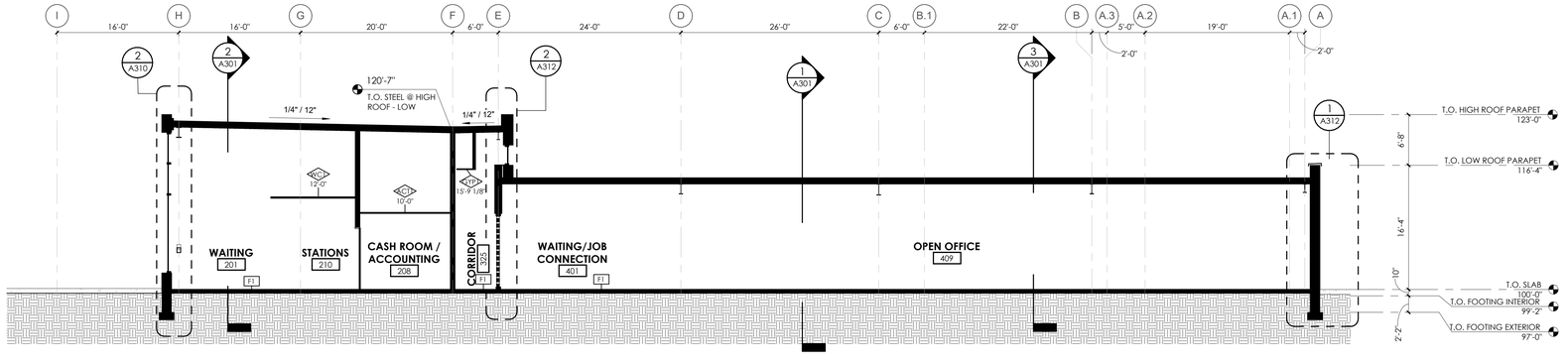
3 EAST/WEST BUILDING SECTION DMV

1/8" = 1'-0"



2 EAST/WEST BUILDING SECTION CORRIDOR

1/8" = 1'-0"



1 EAST/WEST BUILDING SECTION DLD

1/8" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK. AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSBERT
No 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

BUILDING SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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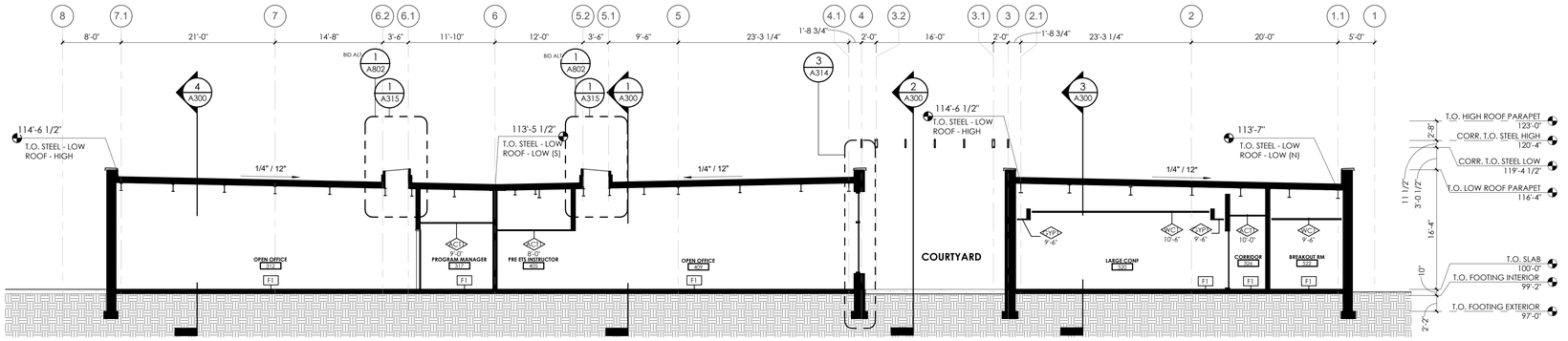
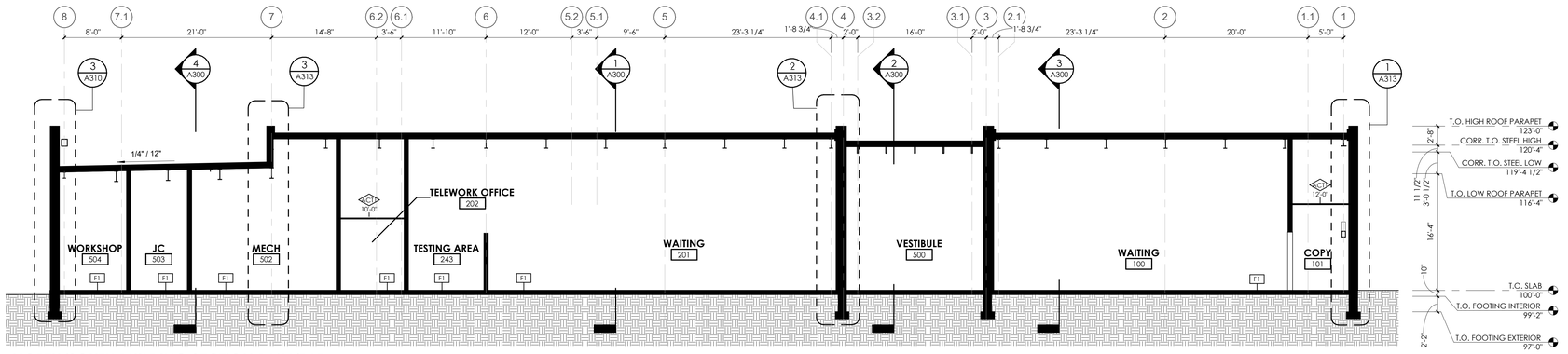
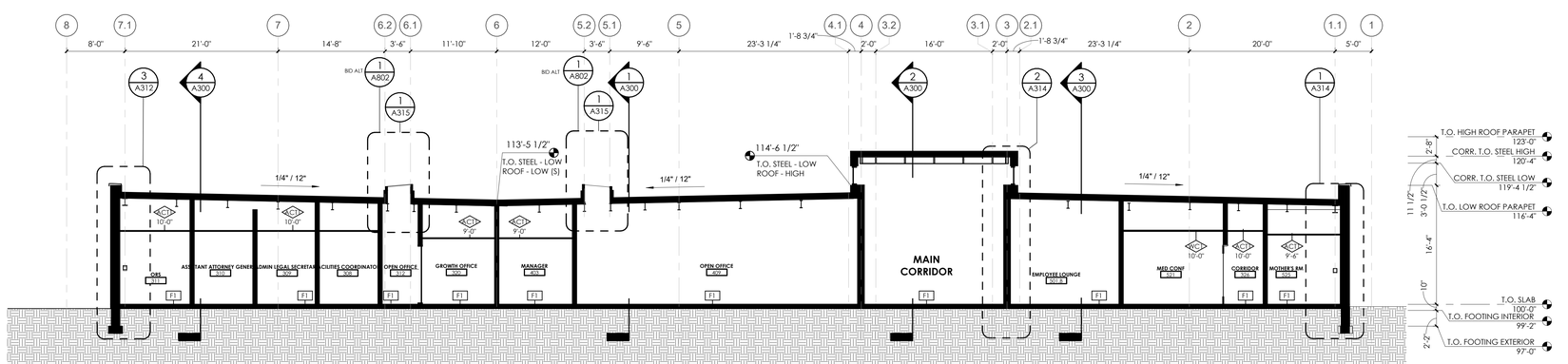


3 NORTH/SOUTH SECTION
1/8" = 1'-0"



2 NORTH/SOUTH BUILDING SECTION DMV/DLD
1/8" = 1'-0"



1 NORTH/SOUTH BUILDING SECTION DWS/DHHS
1/8" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

BUILDING SECTIONS

REVISIONS

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1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
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DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
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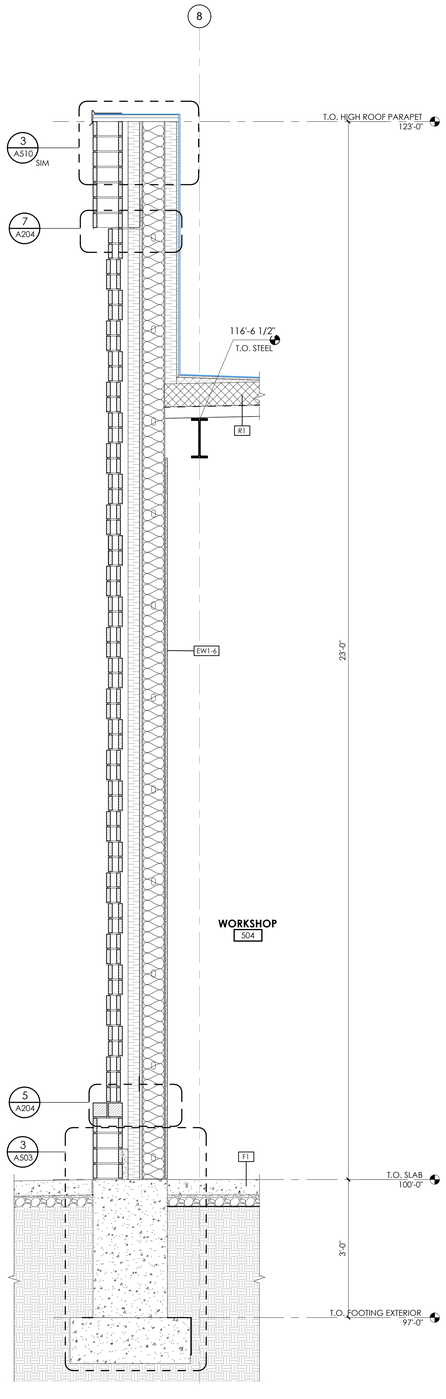
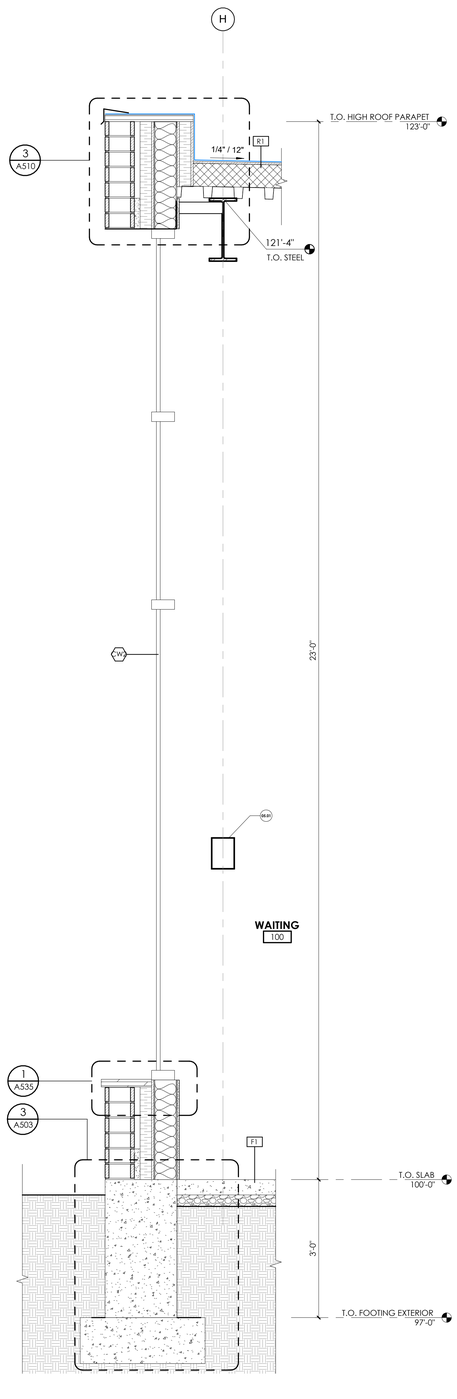
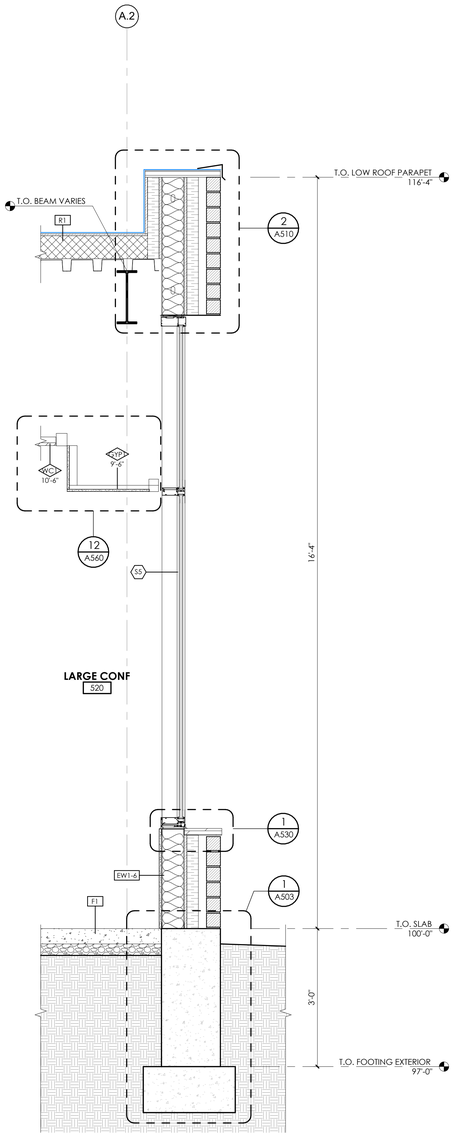


3 **WALL SECTION @ MECHANICAL PIT**
3/4" = 1'-0"



2 **WALL SECTION @ E. FACADE CURTAIN WALL**
3/4" = 1'-0"



1 **WALL SECTION LARGE CONFERENCE ROOM**
3/4" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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KEYED NOTES:

05.01	STEEL FRAMING, SEE STRUCTURAL DRAWINGS

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Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WALL SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**SF**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

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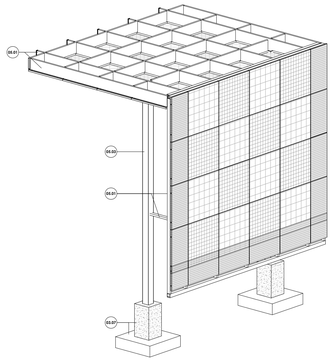
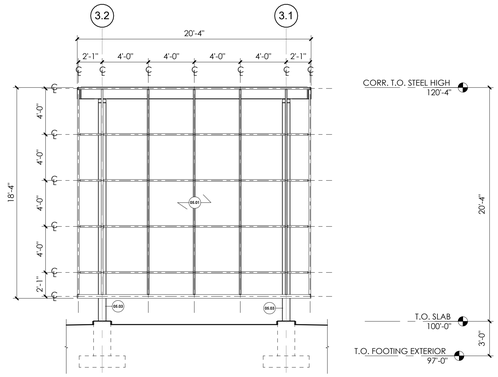
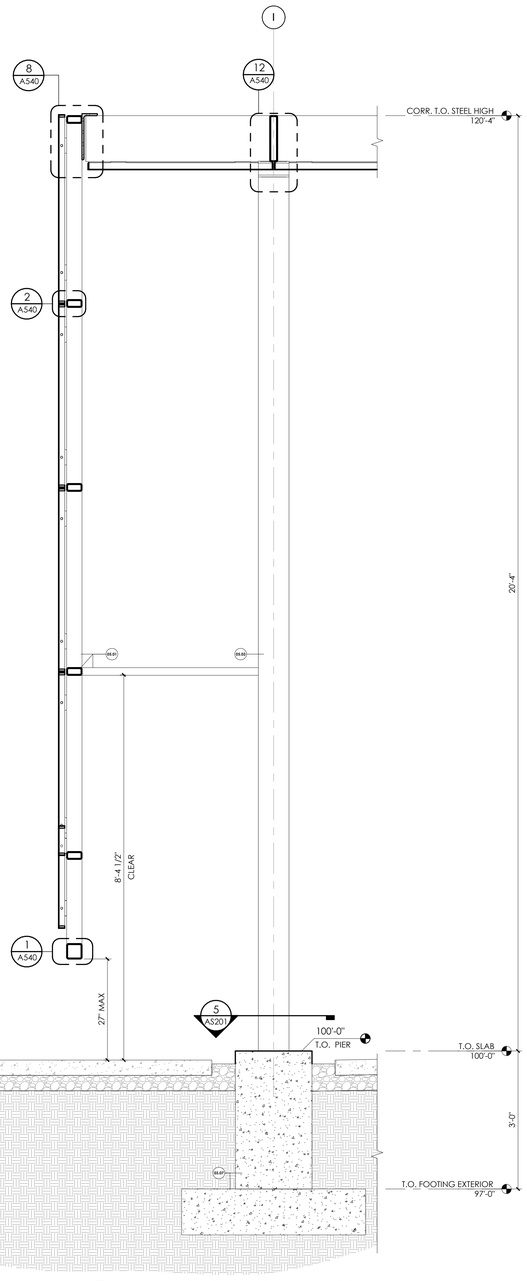


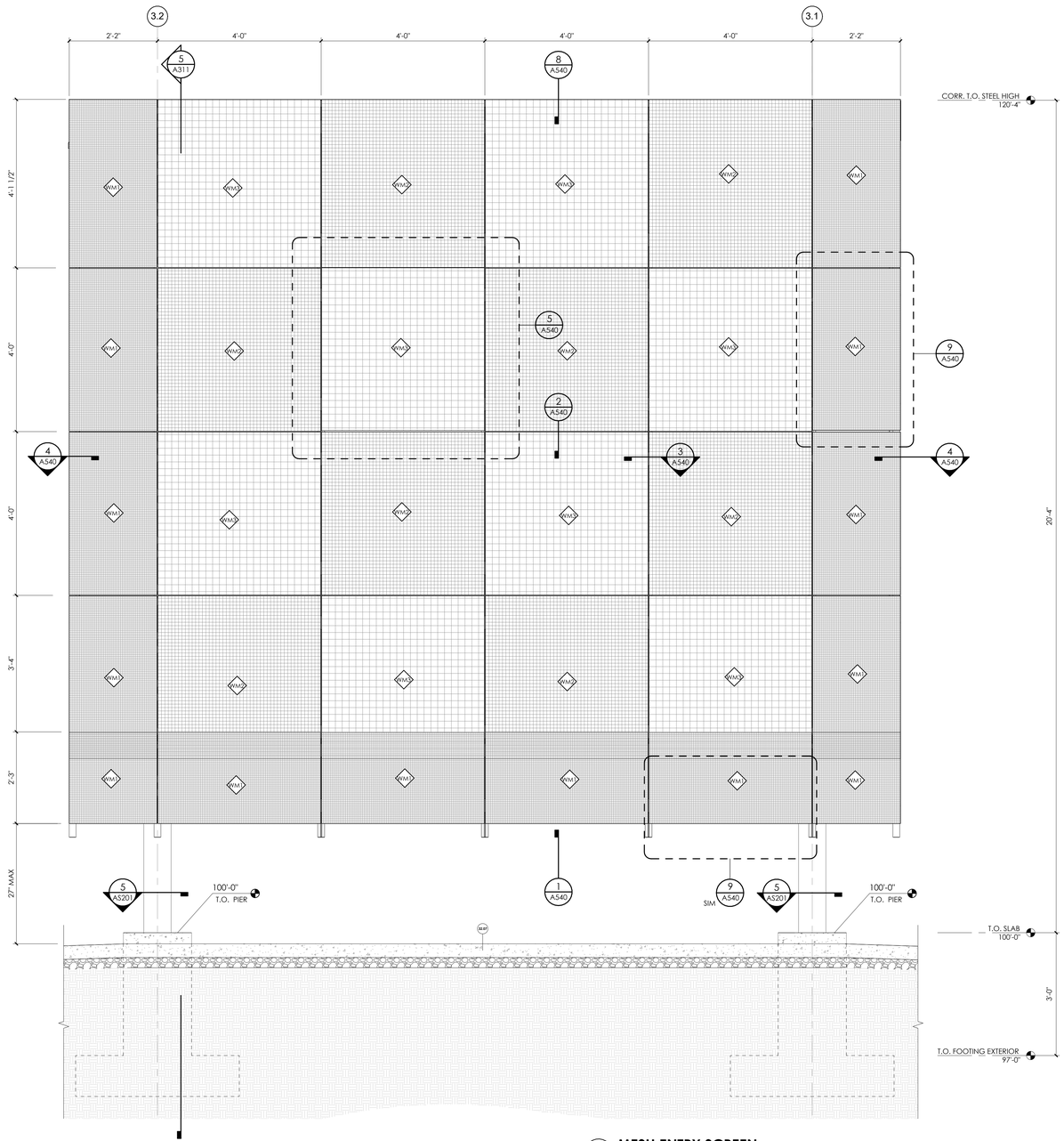
4 **MESH ENTRY SCREEN - 3D**



3 **MESH ENTRY SCREEN - FRAMING LAYOUT**
3/16" = 1'-0"



5 **WALL SECTION MESH ENTRY SCREEN**
3/4" = 1'-0"



1 **MESH ENTRY SCREEN**
3/4" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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EXTERIOR FINISHES

GALVANIZED STRUCTURAL STEEL - PAINTED, HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	PT2
GALVANIZED WOVEN WIRE MESH - DENSITY 1 - HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	WM1
GALVANIZED WOVEN WIRE MESH - DENSITY 2 - HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	WM2
GALVANIZED WOVEN WIRE MESH - DENSITY 3 - HIGH PERFORMANCE COATING - SW 7009 PEARLY WHITE	WM3
EXTERIOR BRICK - BRICK PATTERN 1 - INSTERSTATE BRICK - COLOR: TUMBLEWEED	BP1
EXTERIOR BRICK - BRICK PATTERN 2 - INSTERSTATE BRICK - COLOR: TUMBLEWEED	BP2
EXTERIOR BRICK - BRICK PATTERN 3 - INSTERSTATE BRICK - COLOR: TUMBLEWEED	BP3
EXTERIOR BRICK - BRICK PATTERN 4 - B4 BRICK PROFILES AND COURSING VARY, SEE ENLARGED ELEVATIONS AND BRICK TYPES.	BP4
SOLID SANDSTONE - SILL -DELTA STONE -MOUNTAIN VALLEY STONE	ST1
FULLY ADHERED ROOF MEMBRANE	RM1
PREFINISHED METAL PARAPET CAP - DARK BRONZE, TO MATCH STOREFRONT	MP1
PREFINISHED COMPOSITE METAL PANEL - ACM -DARK BRONZE TO MATCH STOREFRONT	MP2
PREFINISHED BRAKE METAL -DARK BRONZE, TO MATCH STOREFRONT	MP3
POWDERCOATED BAR STEEL - SW 9031 PRIMAVERA	PT7
GALVANIZED STEEL PLATE - HIGH PERFORMANCE COATING - DARK BRONZE, TO MATCH STOREFRONT	PT8

NOTE: ALL SELECTIONS IDENTIFED IN THIS LEGEND ARE BASIS OF DESIGN.

KEYED NOTES:

03.07	CONCRETE FOOTINGS AND FOUNDATION WALLS, SEE STRUCTURAL DRAWINGS
05.01	STEEL FRAMING, SEE STRUCTURAL DRAWINGS
05.03	STEEL COLUMN, SEE STRUCTURAL DRAWINGS
32.07	EXPOSED AGGREGATE CONCRETE PATH, SEE CIVIL DRAWINGS

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AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WALL SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**SF**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

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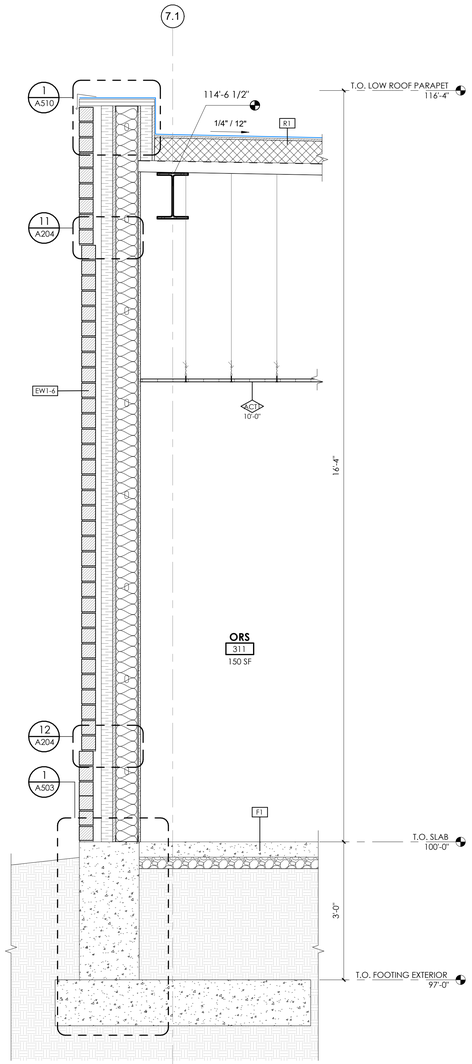
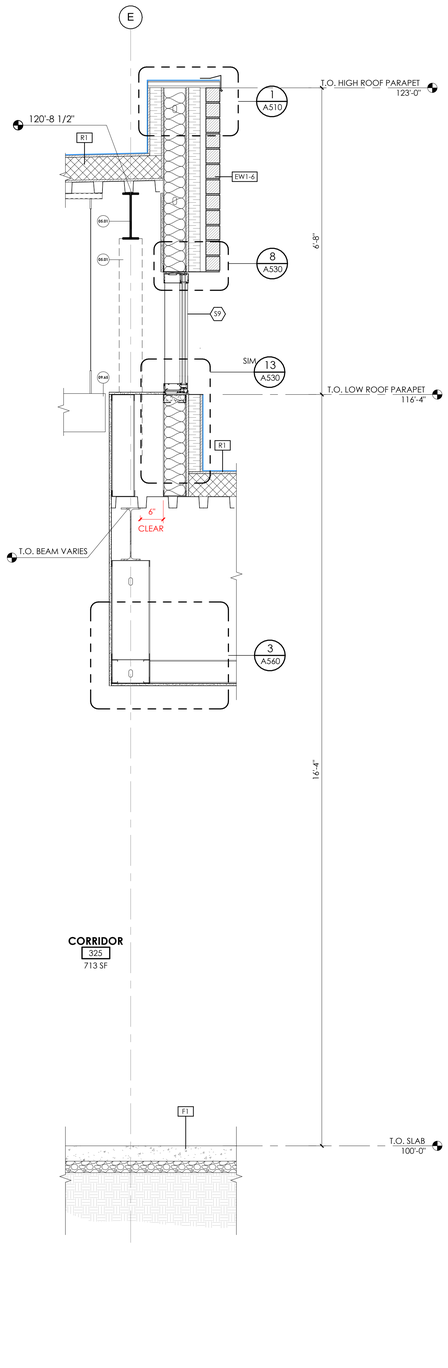
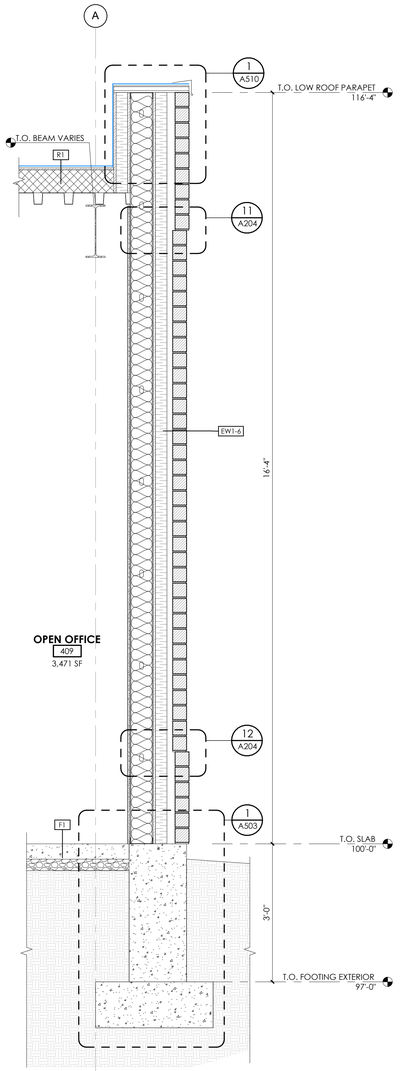


3 **WALL SECTION @ SOUTH FACADE (ORS)**
3/4" = 1'-0"



2 **WALL SECTION @ N/S CORRIDOR CLERESTORY**
3/4" = 1'-0"



1 **WALL SECTION @ WEST FACADE**
3/4" = 1'-0"

GENERAL NOTES:

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KEYED NOTES:

05.01	STEEL FRAMING, SEE STRUCTURAL DRAWINGS
09.65	SUSPENDED ACOUSTIC FELT BAFFLE SYSTEM, MODULAR VERTICAL PANELS ARRANGED IN LINEAR PATTERN.

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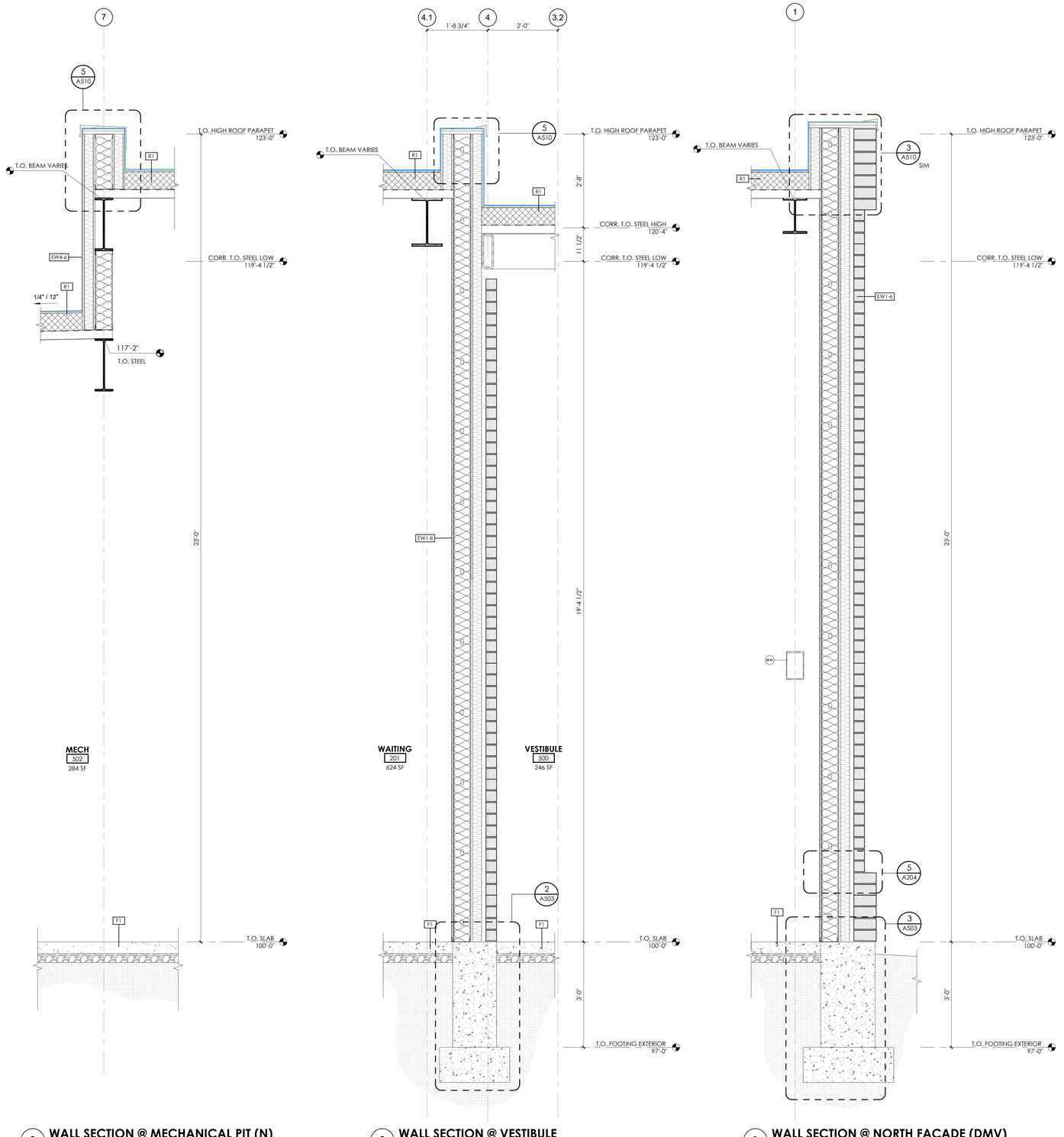

3 **WALL SECTION @ MECHANICAL PIT (N)**
3/4" = 1'-0"

2 **WALL SECTION @ VESTIBULE**
3/4" = 1'-0"

1 **WALL SECTION @ NORTH FACADE (DMV)**
3/4" = 1'-0"

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

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KEYED NOTES:

05.01 STEEL FRAMING, SEE STRUCTURAL DRAWINGS

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703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GLABBERT
No. 9719389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Aundal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WALL SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A313

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GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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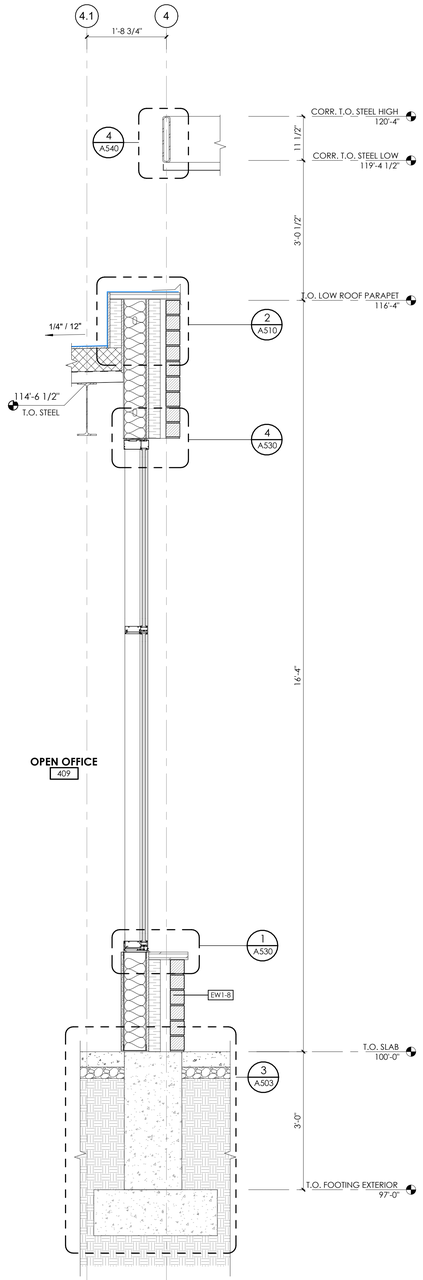
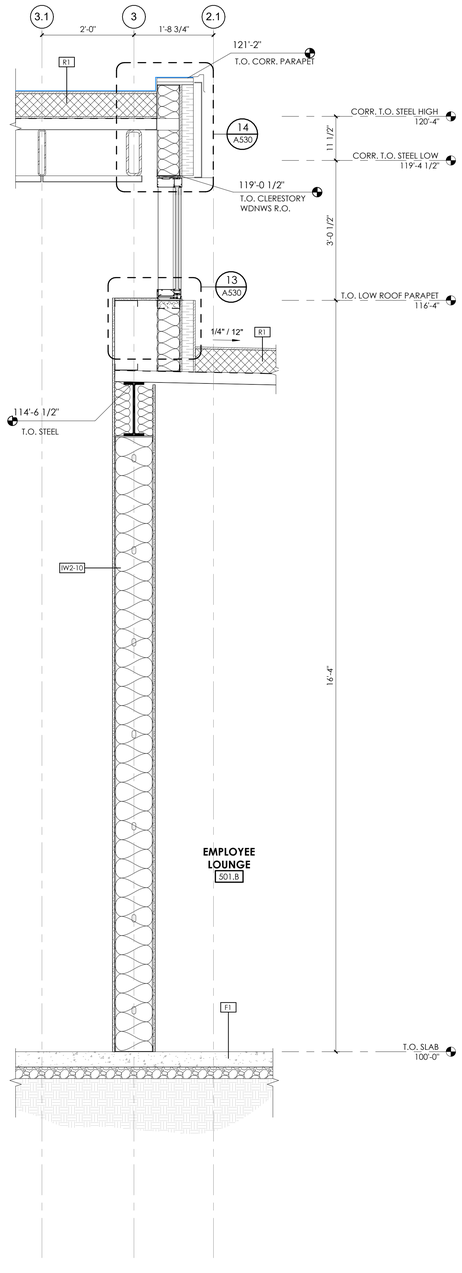
KEYED NOTES:

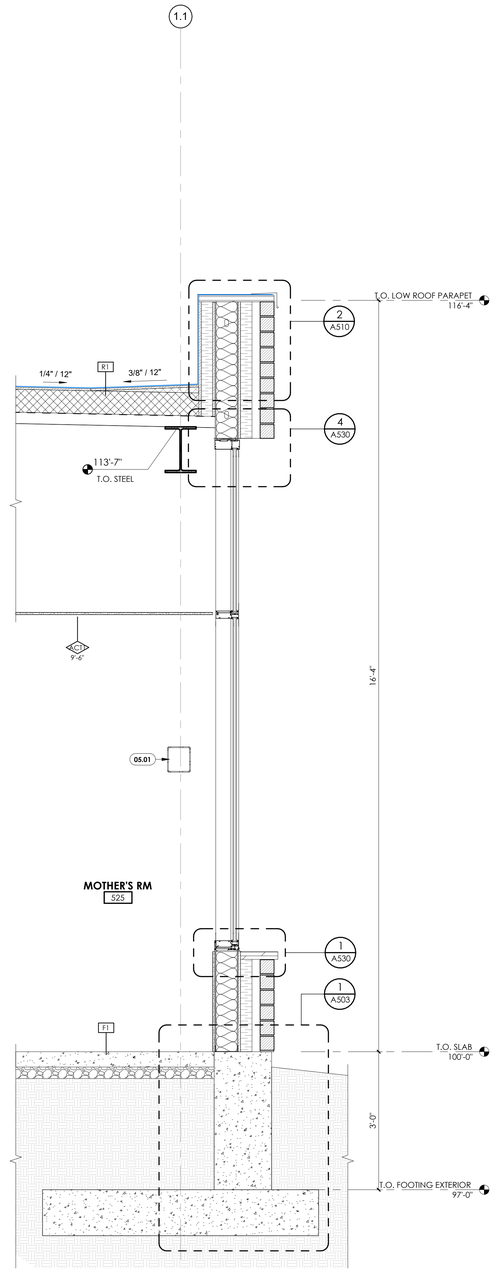
05.01 STEEL FRAMING, SEE STRUCTURAL DRAWINGS



3 **WALL SECTION @ DWS OPEN OFFICE**
3/4" = 1'-0"



2 **WALL SECTION @ EMPLOYEE LOUNGE**
3/4" = 1'-0"



1 **WALL SECTION @ MOTHER'S ROOM**
3/4" = 1'-0"

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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WALL SECTIONS

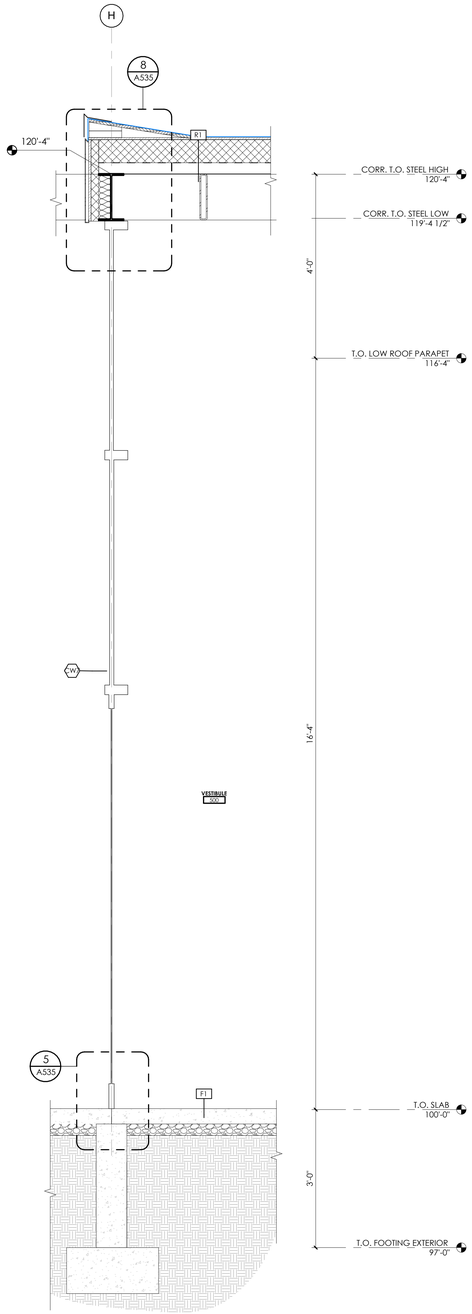
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

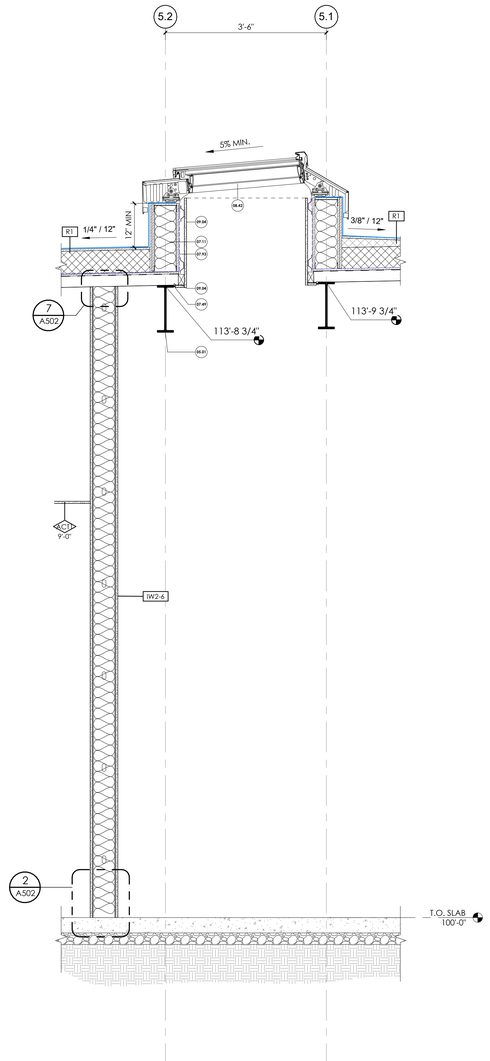
SHEET NUMBER:

A314



2 WALL SECTION @ CURTAIN WALL

3/4" = 1'-0"



1 WALL SECTION @ SKYLIGHTS

3/4" = 1'-0" , DWG REF: A301

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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KEYED NOTES:

05.01	STEEL FRAMING, SEE STRUCTURAL DRAWINGS
07.11	MINERAL WOOL BATT INSULATION
07.49	SEALANT & BACKER ROD
07.93	CONTINUOUS VAPOR BARRIER, SEAL ALL PENETRATIONS. LAP UP WALL AND TIE INTO SKYLIGHT SYSTEM
08.42	MODULAR SKYLIGHT SYSTEM: BASIS OF DESIGN VELUX. PROVIDE COMPLETE FACTORY-FABRICATED SYSTEM WITH FRAMES, GLAZING, AND FLASHING. INSTALL PER MANUFACTURER 'S INSTRUCTIONS AND COORDINATE WITH ROOF CONSTRUCTION.
09.04	5/8" GYP. BD. PAINT

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN
CROSBY
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WALL SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**Author**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

A315

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GENERAL NOTES:

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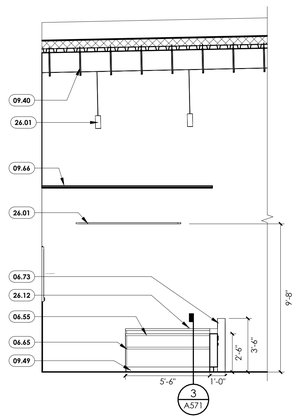
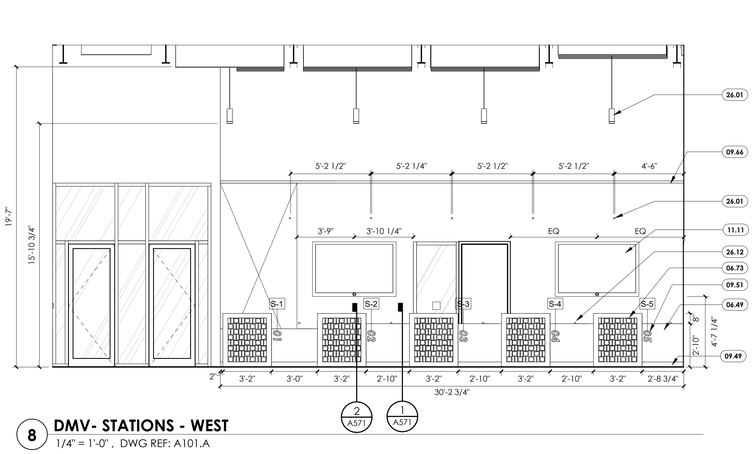
KEYED NOTES:

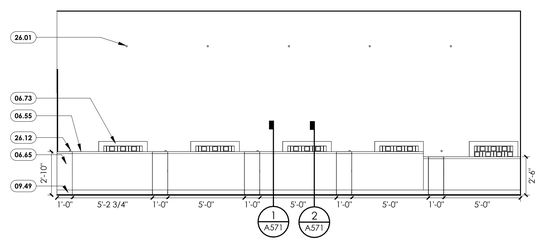
06.49	SOLID SURFACE OVER 3/4" SUBSTRATE. TYP.
06.54	PLASTIC LAMINATE CABINETS
06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
06.65	PLASTIC LAMINATE OVER 3/4" SUBSTRATE
06.71	CONCEALED COUNTERTOP SUPPORT BRACKET, SEE MILLWORK DETAILS
06.73	P-LAM FRAME W/ BREEZEBLOCK, SEE FINISH LEGEND & DETAILS
09.40	ACOUSTICAL BAFFLE
09.49	BASE AS SCHEDULED
09.51	SIGNAGE, SEE DETAILS
09.66	WOOD CEILING W/ WOOD TRIM, SEE CEILING PLANS & CEILING DETAILS
11.11	TV/MONITOR, POWER & DATA OUTLET
11.15	PRINTER, N.I.C.
26.01	LIGHTING, SEE ELECTRICAL DRAWINGS
26.12	PANIC BUTTON MOUNTED TO UNDERSIDE OF COUNTER, SEE ELECTRICAL DRAWINGS



9 DMV - STATIONS - NORTH
1/4" = 1'-0", DWG REF: A101.A



8 DMV- STATIONS - WEST
1/4" = 1'-0", DWG REF: A101.A



4 DMV - STATIONS - EAST
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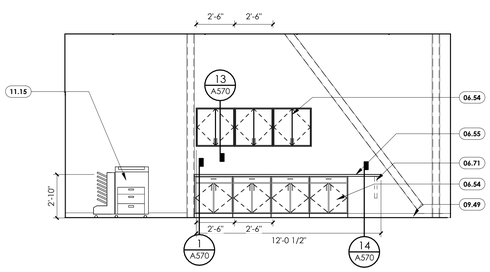
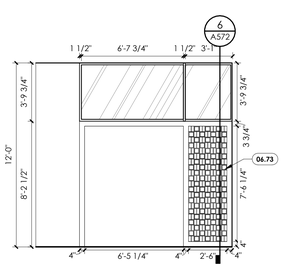
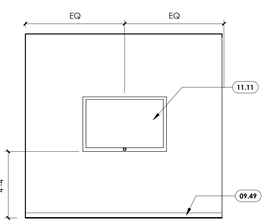


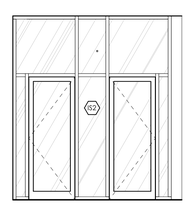
5 DMV - COPY - NORTH
1/4" = 1'-0", DWG REF: A101.A



3 DMV - ENTRY - SOUTH
1/4" = 1'-0", DWG REF: A101.A



2 DMV - ENTRY - NORTH
1/4" = 1'-0", DWG REF: A101.A



1 DMV - ENTRY - EAST
1/4" = 1'-0", DWG REF: A101.A

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salt lake city, ut 84105
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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GRANGER
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

INTERIOR ELEVATIONS - DMV

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A410

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

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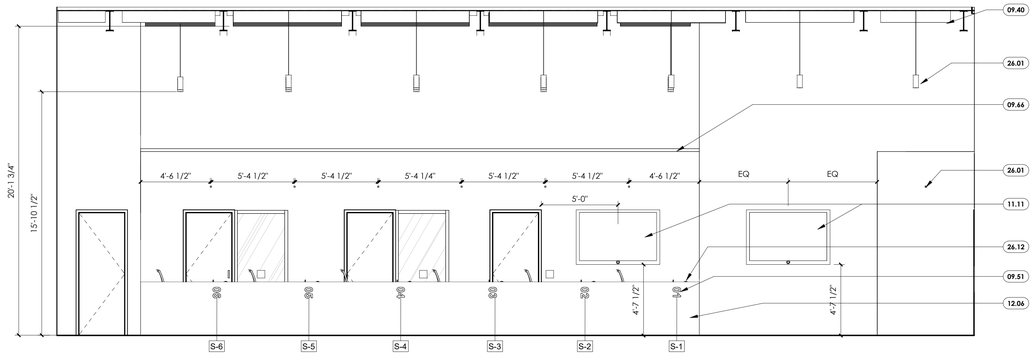
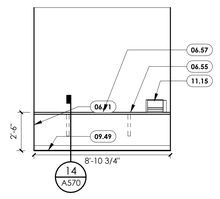
KEYED NOTES:

06.49	SOLID SURFACE OVER 3/4" SUBSTRATE, TYP.
06.54	PLASTIC LAMINATE CABINETS
06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
06.57	WIRE GROMMET AT COMPUTER STATION
06.65	PLASTIC LAMINATE OVER 3/4" SUBSTRATE
06.71	CONCEALED COUNTERTOP SUPPORT BRACKET, SEE MILLWORK DETAILS
06.73	P-LAM FRAME W/ BREEZEBLOCK, SEE FINISH LEGEND & DETAILS
09.40	ACOUSTICAL BAFFLE
09.49	BASE AS SCHEDULED
09.51	SIGNAGE, SEE DETAILS
09.66	WOOD CEILING W/ WOOD TRIM, SEE CEILING PLANS & CEILING DETAILS
11.11	TV/MONITOR, POWER & DATA OUTLET
11.15	PRINTER, N.I.C.
11.16	SHRED BIN
12.06	SYSTEMS FURNITURE BY OTHERS
26.01	LIGHTING, SEE ELECTRICAL DRAWINGS
26.12	PANIC BUTTON MOUNTED TO UNDERSIDE OF COUNTER, SEE ELECTRICAL DRAWINGS



8 DLD - WAITING - WEST
1/4" = 1'-0" , DWG REF: A101.A



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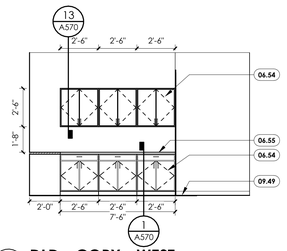

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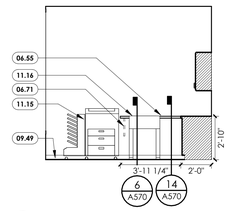

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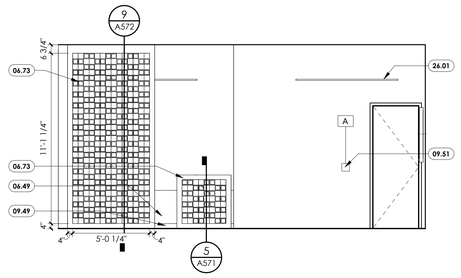

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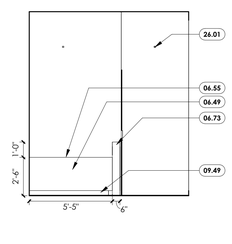

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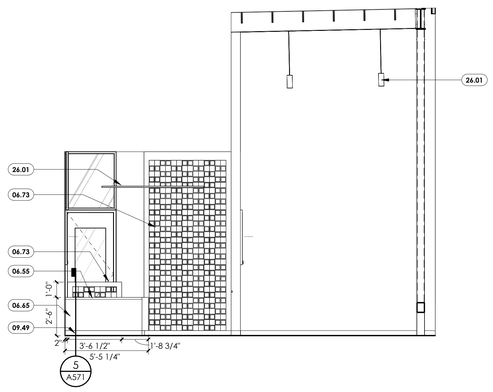

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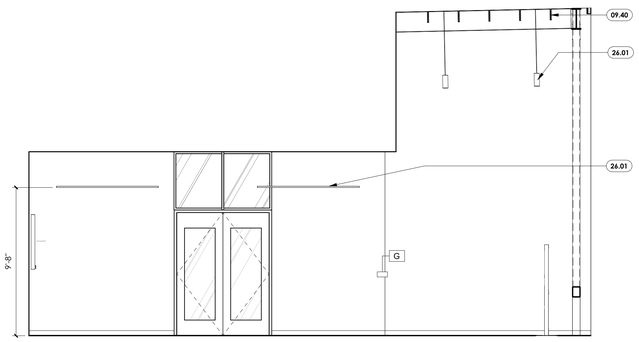

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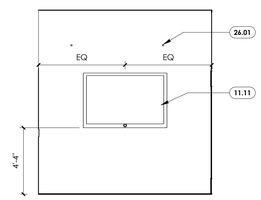

10 DLD - ENTRY - WEST
1/4" = 1'-0" , DWG REF: A101.A

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
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ARCHITECT / CONSULTANT



AHJ



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RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

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DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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A411

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06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
06.57	WIRE GROMMET AT COMPUTER STATION
06.66	1/4" GLASS MOUNTED ON TRANSACTION COUNTER
06.67	GLASS MOUNTING BRACKET, SEE SPECIFICATIONS
06.73	P-LAM FRAME W/ BREEZEBLOCK, SEE FINISH LEGEND & DETAILS
09.24	SUSPENDED GYP. BD. CEILING SYSTEM, SEE CEILING PLANS
09.49	BASE AS SCHEDULED
11.11	TV/MONITOR, POWER & DATA OUTLET
11.15	PRINTER, N.I.C.
11.17	PHONE
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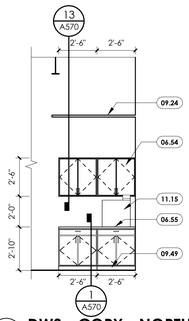
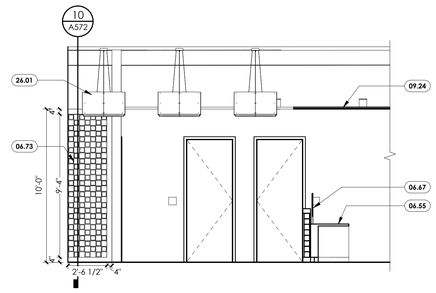


6 DWS - COPY - NORTH
1/4" = 1'-0" , DWG REF: A101.B



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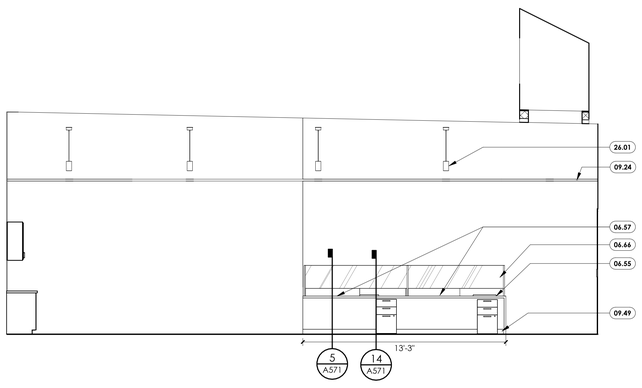

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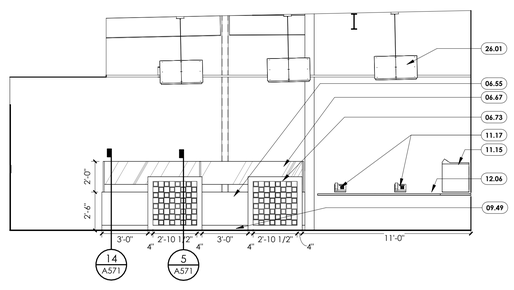

2 DWS - WAITING - WEST
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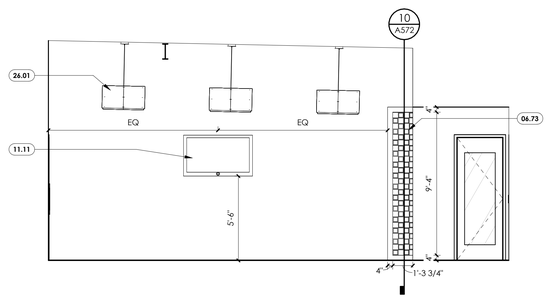

1 DWS - WAITING - EAST
1/4" = 1'-0" , DWG REF: A101.B

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STATE OF UTAH
HEBER EBEN GARDNER
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

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A412

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5/26/2026 9:23:05 AM

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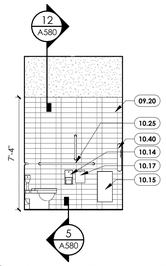
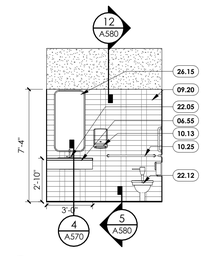


11 DHHS - KID RR - NORTH
1/4" = 1'-0" , DWG REF: A101.B



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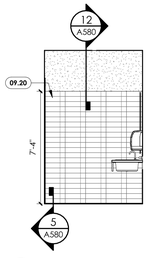

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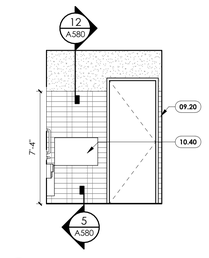

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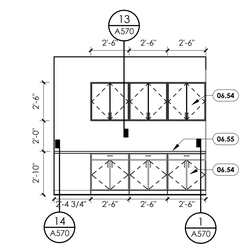

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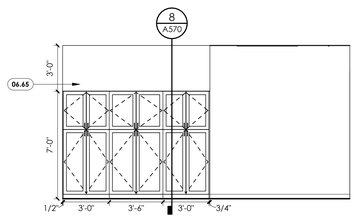

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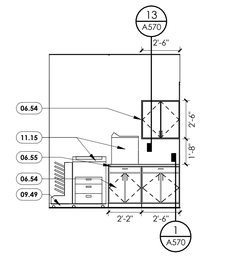

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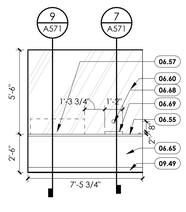

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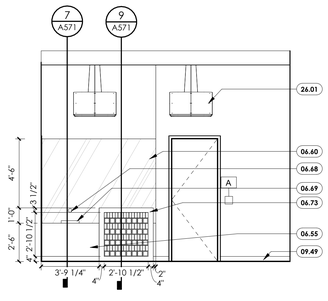

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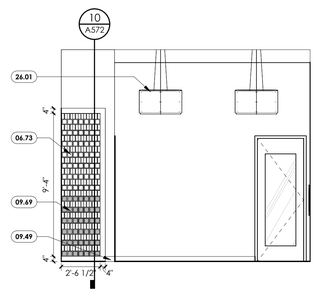

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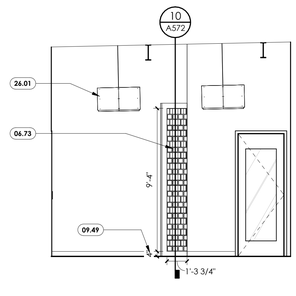

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06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
06.57	WIRE GROMMET AT COMPUTER STATION
06.60	BULLET RESISTANT GLASS
06.65	PLASTIC LAMINATE OVER 3/4" SUBSTRATE
06.68	SPEAK-THRU MOUNTED ON GLASS, SEE SPECIFICATION
06.69	PASS-THRU IN GLASS AT COUNTERTOP
06.73	P-LAM FRAME W/ BREEZEBLOCK, SEE FINISH LEGEND & DETAILS
09.20	WALL TILE, SEE FINISH LEGEND
09.49	BASE AS SCHEDULED
09.69	NARROW REEF TILE W/ BACK TO BACK ROOTS 5 TILE, SEE FINISH LEGEND & FINISH DETAILS
10.13	PAPER TOWEL DISPENSER, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.14	TOILET TISSUE DISPENSER, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.15	WASTE RECEPTACLE, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.17	SANITARY NAPKIN DISPOSAL UNIT, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.25	GRAB BARS, BLOCKING IN WALL AS REQUIRED
10.40	BABY CHANGING TABLE, SEE ACCESSORY SCHEDULE
11.15	PRINTER, N.I.C.
22.05	SINK AND FAUCET, SEE PLUMBING DRAWINGS
22.12	ADA TOILET, SEE PLUMBING DRAWINGS
26.01	LIGHTING, SEE ELECTRICAL DRAWINGS
26.15	BACKLIT MIRROR, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS

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ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSBEE
No. 8715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

INTERIOR ELEVATIONS - DHHS

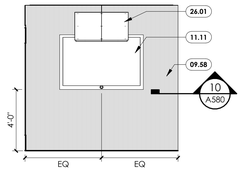
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A413



9 **COMMON - BREAKOUT ROOM - WEST**
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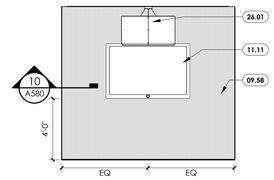

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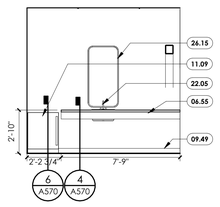

7 **MOTHERS ROOM - WEST**
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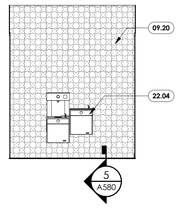

6 **COMMON - WATER FOUNTAINS - EAST**
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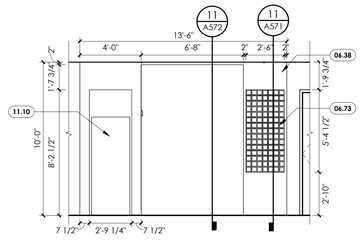

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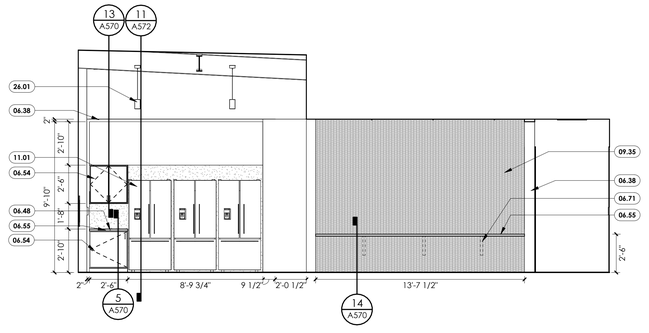

4 **COMMON - BREAK ROOM KITCHEN - WEST**
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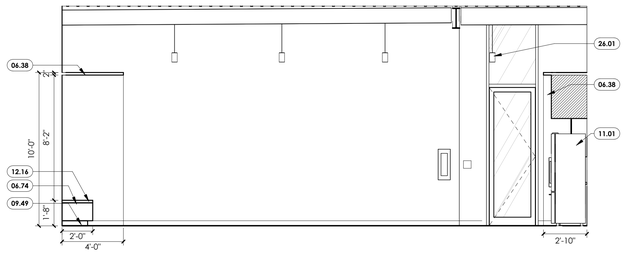

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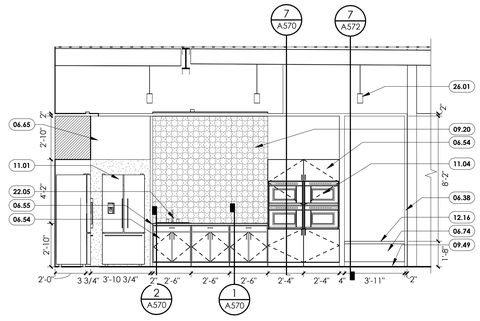

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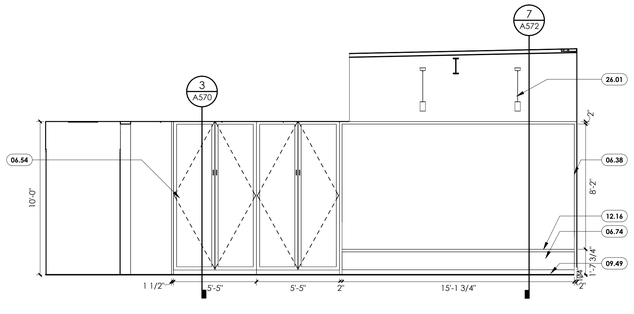

1 **COMMON - BREAK ROOM - EAST**
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GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

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KEYED NOTES:

06.38	P-LAM FRAME, SEE FINISH LEGEND & MILLWORK DETAILS
06.48	5" DIA. GROMMETS
06.54	PLASTIC LAMINATE CABINETS
06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
06.65	PLASTIC LAMINATE OVER 3/4" SUBSTRATE
06.71	CONCEALED COUNTERTOP SUPPORT BRACKET, SEE MILLWORK DETAILS
06.73	P-LAM FRAME W/ BREEZEBLOCK, SEE FINISH LEGEND & DETAILS
06.74	BANQUETTE SEATING, SEE MILLWORK DETAIL AND FINISH LEGEND
09.20	WALL TILE, SEE FINISH LEGEND
09.35	WALL COVERING ,SEE FINISH PLANS AND FINISH LEGEND
09.49	BASE AS SCHEDULED
09.58	WOOD WALL, SEE FINISH LEGEND
11.01	REFRIGERATOR
11.04	MICROWAVE
11.09	UNDERCOUNTER REF./FREEZER, SEE PLUMBING DRAWINGS
11.10	ICE MACHINE, SEE PLUMBING DRAWINGS
11.11	TV/MONITOR, POWER & DATA OUTLET
12.16	UPHOLSTERED SEAT, SEE FINISH LEGEND
22.04	DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
22.05	SINK AND FAUCET, SEE PLUMBING DRAWINGS
26.01	LIGHTING, SEE ELECTRICAL DRAWINGS
26.15	BACKLIT MIRROR, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS

5/26/2026 9:23:12 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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salt lake city, ut 84105
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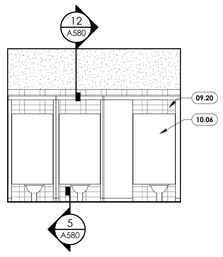

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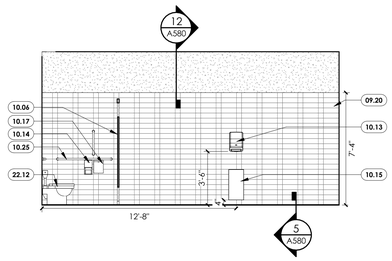
1/4" = 1'-0" , DWG REF: A101.C



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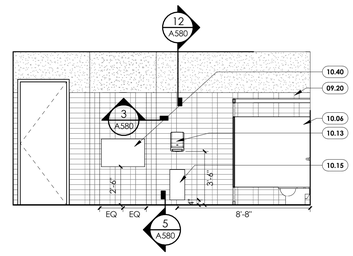

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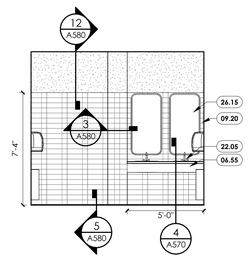

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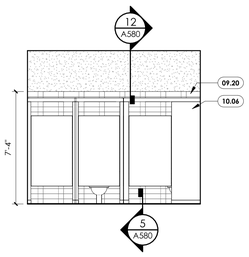

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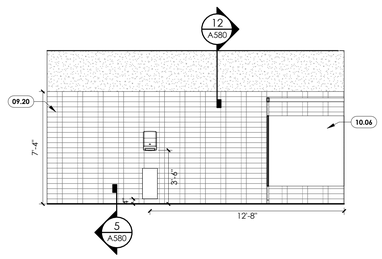

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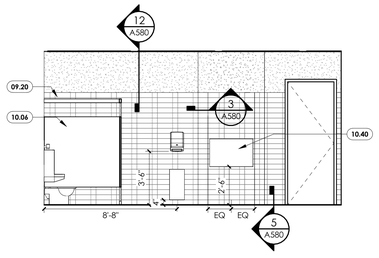

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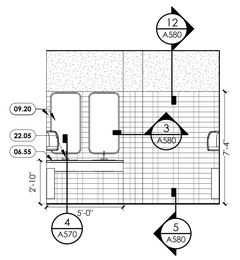

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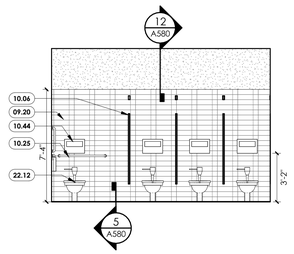

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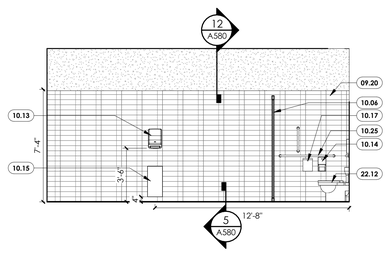

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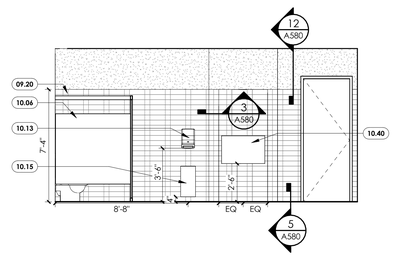

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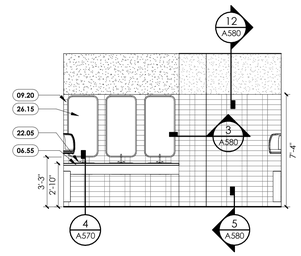

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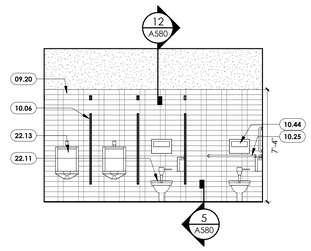

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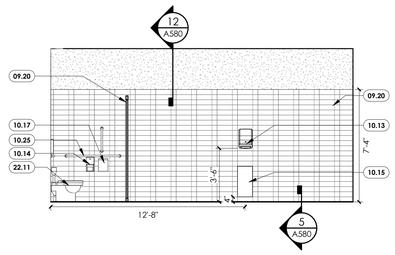

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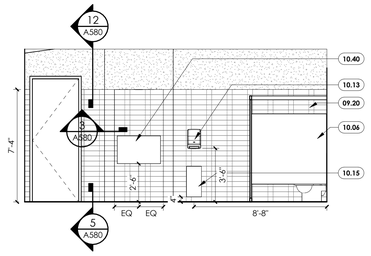

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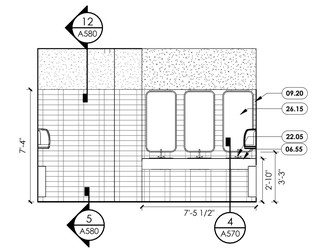

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KEYED NOTES:

06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
09.20	WALL TILE, SEE FINISH LEGEND
10.06	TOILET PARTITION
10.13	PAPER TOWEL DISPENSER, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.14	TOILET TISSUE DISPENSER, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.15	WASTE RECEPTACLE, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.17	SANITARY NAPKIN DISPOSAL UNIT, SEE ACCESSORY SCHEDULE, BLOCKING IN WALL AS REQUIRED
10.25	GRAB BARS, BLOCKING IN WALL AS REQUIRED
10.40	BABY CHANGING TABLE, SEE ACCESSORY SCHEDULE
10.44	TOILET SEAT COVER DISPENSER, SEE ACCESSORY SCHEDULE
22.05	SINK AND FAUCET, SEE PLUMBING DRAWINGS
22.11	TOILET, SEE PLUMBING DRAWINGS
22.12	ADA TOILET, SEE PLUMBING DRAWINGS
22.13	URINAL, SEE PLUMBING DRAWINGS
26.15	BACKLIT MIRROR, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS

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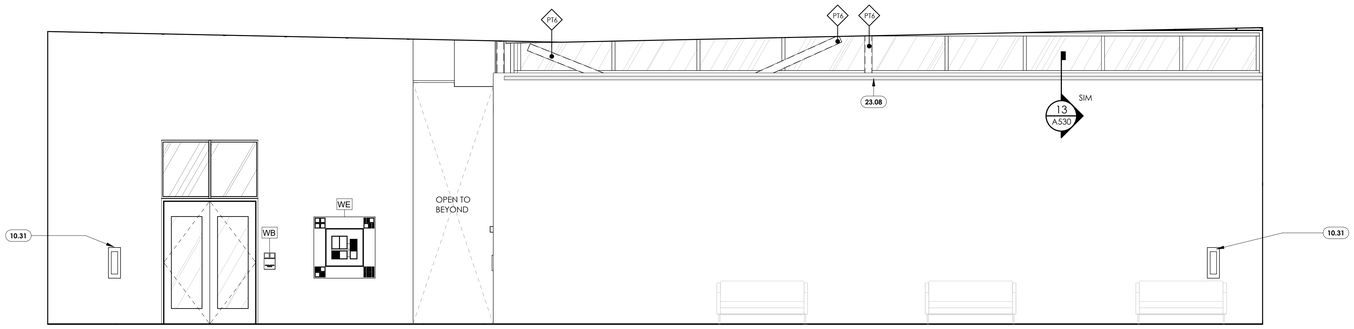

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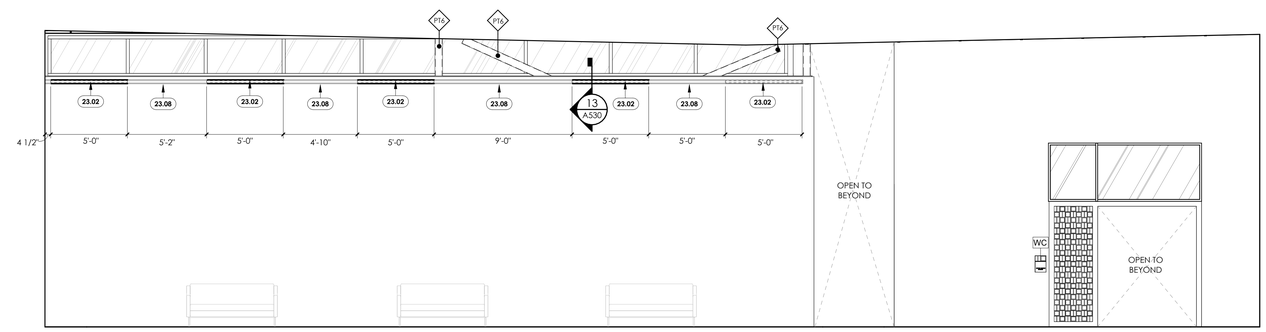
1/4" = 1'-0" , DWG REF: A101.A



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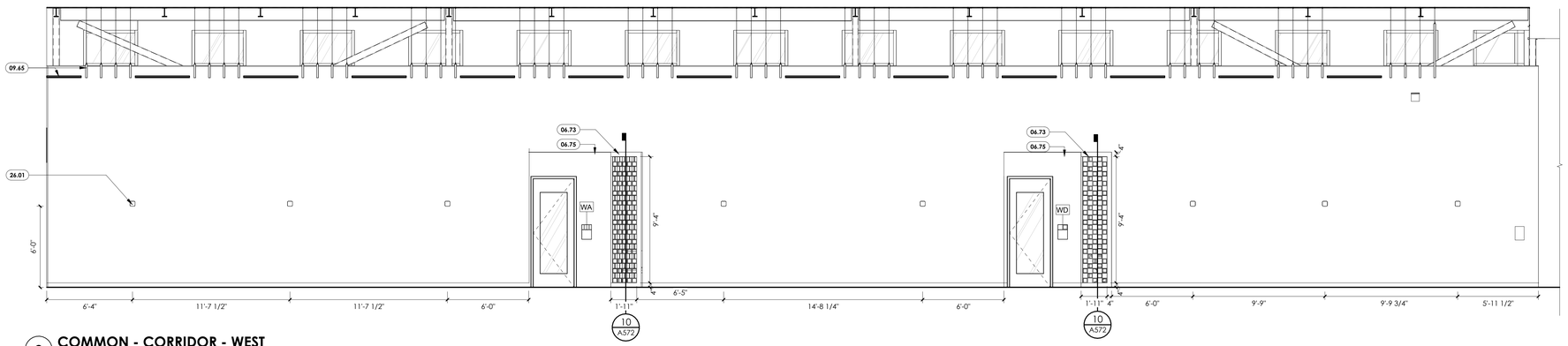

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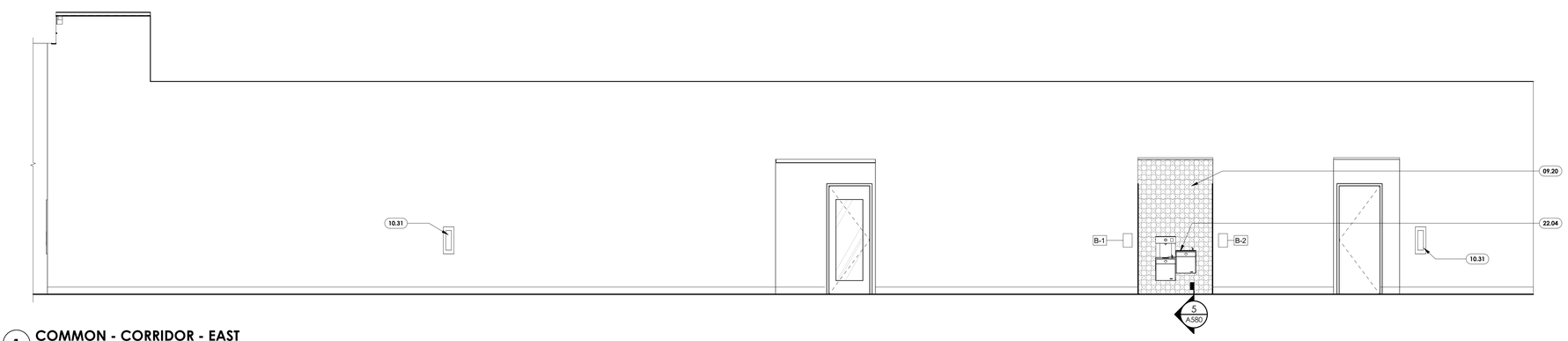

1 COMMON - CORRIDOR - EAST

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GENERAL NOTES:

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KEYED NOTES:

06.73	P-LAM FRAME W/ BREEZEBLOCK, SEE FINISH LEGEND & DETAILS
06.75	PLASTIC LAMINATE APPLIED TO WALL
09.20	WALL TILE, SEE FINISH LEGEND
09.65	SUSPENDED ACOUSTIC FELT BAFFLE SYSTEM, MODULAR VERTICAL PANELS ARRANGED IN LINEAR PATTERN.
10.31	SEMI-RECESSED FIRE EXTINGUISHER CABINET
22.04	DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
23.02	MECHANICAL DIFFUSER, SEE MECHANICAL DRAWINGS
23.08	LINEAR DIFFUSER TRACK, B.O.D SDS150
26.01	LIGHTING, SEE ELECTRICAL DRAWINGS

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LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

INTERIOR ELEVATIONS - COMMON CORRIDOR

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A416

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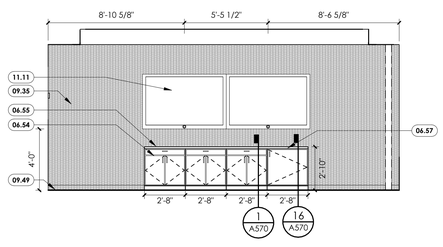
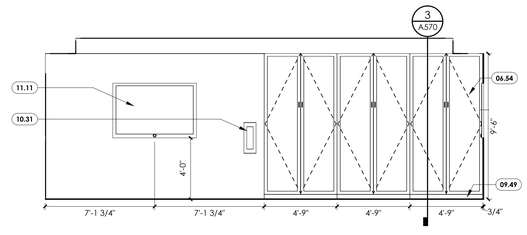
KEYED NOTES:

06.23	3/4" CDX PLYWOOD
06.54	PLASTIC LAMINATE CABINETS
06.55	COUNTERTOP AS SCHEDULED, FINISH PLANS & LEGEND
06.57	WIRE GROMMET AT COMPUTER STATION
09.35	WALL COVERING. SEE FINISH PLANS AND FINISH LEGEND
09.49	BASE AS SCHEDULED
09.58	WOOD WALL, SEE FINISH LEGEND
10.31	SEMI-RECESSED FIRE EXTINGUISHER CABINET
11.11	TV/MONITOR, POWER & DATA OUTLET
12.04	SHELVING UNIT (N.I.C.)
12.18	PEG BOARD
22.05	SINK AND FAUCET, SEE PLUMBING DRAWINGS
26.01	LIGHTING, SEE ELECTRICAL DRAWINGS



6 COMMON - LARGE CONFERENCE - SOUTH
1/4" = 1'-0", DWG REF: A101.A



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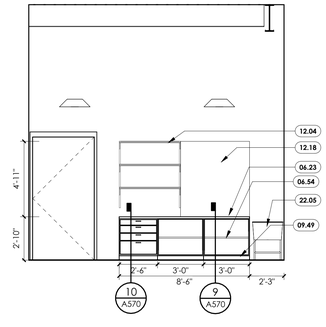

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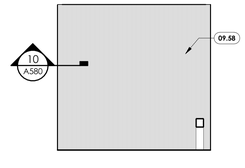

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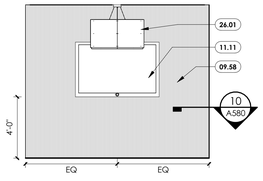

4 COMMON - MED CONFERENCE 2- SOUTH
1/4" = 1'-0", DWG REF: A101.A

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DFCM Project #24251300
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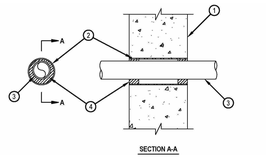


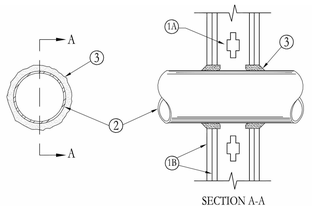
SECTION A-A

FIRE RATING - 1 OR 2 HR. UL# W-J-2108
NON-METALIC PIPES, TUBING OR CONDUIT AT CMU WALL
MAX. DIAMETER OF OPENING IS 3-1/2"

1. WALL ASSEMBLY — MIN 4-3/4 IN. THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 3-1/2 IN.
2. METALLIC SLEEVE — OPTIONAL NOM 3-1/2 IN. (OR SMALLER) CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.016 IN. THICK (28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 1-1/4 IN. LAP SALONG LONGITUDINAL SEAM. LENGTH OF SLEEVE TO BE INSTALLED FLUSH WITH WALL SURFACES.
3. THROUGH PENETRANTS — ONE NONMETALLIC PIPE INSTALLED WITHIN THE FIRESTOP SYSTEM. PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE SPACE BETWEEN PIPE AND PERIPHERY OF OPENING SHALL BE MIN 1/4 IN. TO MAX 11/16 IN. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES MAY BE USED:
A. POLYVINYL CHLORIDE (PVC) PIPE — NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE — NOM 2 IN. DIAM (OR SMALLER) SDR13.5 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
4. FILL, VOID OR CAVITY MATERIALS* - SEALANT — MIN 5/8 OR 1-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL FOR 1 AND 2 HR WALLS, RESPECTIVELY.

7 PIPE AT CONC. WALL

3" = 1'-0" ,



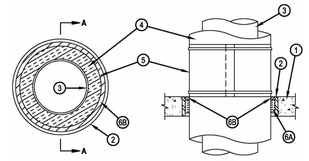
SECTION A-A

SYSTEM NO. W-L-1001
F RATINGS – 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS – 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)

1.WALL ASSEMBLY– THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THEMANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A.STUDS– WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY4 IN. (51 BY 102MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.
B. GYPSUM BOARD*– NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).
2.THROUGH PENETRANT – ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE. CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES , CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE– NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE– NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE. NOM 12 IN. (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
C. CONDUIT– NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING
D. COPPER TUBING – NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING
E. COPPER PIPE– NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
F. THROUGH PENETRATING PRODUCT* – FLEXIBLE METAL PIPING – THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
OMEGA FLEX INC
2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
TITEFLEX CORP
A BUNDY CO
3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
WARD MFG INC
3. FILL, VOID OR CAVITY MATERIAL* – CAULK OR SEALANT – MIN 5/8, 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF CAULK. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:
+WHEN COPPER PIPE IS USED, T RATING IS 0 HR.
3M COMPANY – CP 25WB+ CAULK OR FB-3000 WT SEALANT.
*BEARING THE UL CLASSIFICATION MARKING

8 PIPE AT MTL STUD WALL

3" = 1'-0" ,



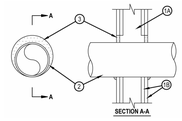
SECTION A-A

FIRE RATING - 2 HR. UL# C-AJ-5096
INSULATED METALIC PIPES, TUBING OR CONDUIT AT CONCRETE WALL
MAX. DIAMETER OF OPENING IS 22"

1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PEL OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS'. MAX DIAM OF OPENING IS 22 IN. (559 MM).
SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. METALLIC SLEEVE - (OPTIONAL) - NOM 22 IN. (559 MM) DIAM (OR SMALLER) SCHEDULE 40 STEEL PIPE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY, FLUSH WITH FLOOR OR WALL SURFACES.
3. THROUGH PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE POSITIONED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:
A. STEEL PIPE - NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
B. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
C. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
4. PIPE COVERING MATERIALS* - CELLULAR GLASS INSULATION - NOM 1-112 IN. OR 3 IN. (38 OR 76 MM) THICK CELLULAR GLASS PIPE INSULATION SIZED TO THE OUTSIDE DIAM OF THE STEEL PIPE OR TUBE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURE(S INSTRUCTIONS. T, FT AND FTH RATING IS 0 HR WHEN NOM (..) 1-1/2 IN. (38 MM) THICK PIPE INSULATION IS USED. T RATING IS 1 HRWHEN NOM 3 IN. (76 MM) THICK PIPE INSULATION IS USED. THE ANNULAR SPACE SHALL ' BE MIN 3/4 IN. (19 MM) TO MAX 3 IN. (76 MM). PITTSBURGH CORNING CORP - FOAMGLASS
5. METAL JACKET- MIN 12 IN. (305 MM) LONG JACKET FORMED OF MIN 0.010 IN. (0,254 MM) THICK STEEL OR ALUMINUM SHEET CUT TO WRAP TIGHTLY AROUND THE PIPE INSULATION WITH A MIN 2 IN. (51 MM) LAP. JACKET SECURED WITH MIN 1/2 IN. (13 MM) WIDE STAINLESS STEEL HOSE CLAMPS OR BANDS LOCATED WITHIN 2 IN. (51 MM) OF EACH END OF THE JACKET AND SPACED A MAX OF 10 IN. (254 MM) OC. JACKET TO BE INSTALLED WITH ABUTING SURFACE OF SEALANT (ITEM 6B) ON TOP OF FLOOR OR BOTH SURFACES OF WALL.
6. FIRESTOP SYSTEM - THE FLRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
A. PACKING MATERIAL- MIN 3 IN. (76 MM) THICKNESS OF MIN 4.0 PEL (64 KG/M3) MINERAL WOOL BATT INSULATION FINNLY PACKED INTO OPENING AS A PENNANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
B. FILL, VOID OR CAVITY MATERIAL' - SEALANT - MIN 3/4 IN. (19 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH THE TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF THE WALL.

10 PIPE AT CONC. FLOOR

3" = 1'-0" ,



SECTION A-A

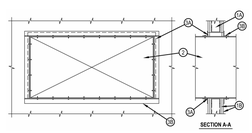
SYSTEM NO. W-L-1054 - METALLIC PIPE, CONDUIT OR TUBING
F RATINGS — 1 AND 2 HRS (SEE ITEMS 1 AND 3)

1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
B. GYPSUM BOARD* — 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. FOR STEEL STUD WALLS, MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.
2. THROUGH-PENETRANTS — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING
TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE — NOM 30 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE — NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT — NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAM STEEL CONDUIT.
D. COPPER TUBING — NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE — NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL .

*Bearing the UL Classification Mark

9 PIPE AT MTL STUD WALL

3" = 1'-0" ,



SECTION A-A

SYSTEM NO. W-L-7040 - STEEL DUCT
F RATINGS — 1 AND 2 HRS (SEE ITEMS 1 AND 3)

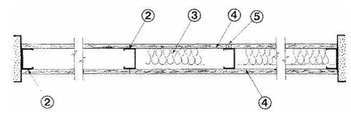
1. WALL ASSEMBLY — THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. ADDITIONAL FRAMING MEMBERS SHALL BE USED TO COMPLETELY FRAME AROUND OPENING.
B. GYPSUM BOARD* — NOM 5/8 IN. THICK WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN NUMBER. MAX AREA OF OPENING IS 1300 IN. WITH THE DIMENSION OF 50 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL DUCT — NOM 24 IN. BY 48 IN. (OR SMALLER) NO. 24 GAUGE (OR HEAVIER) GALV STEEL DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 (POINT CONTACT) IN. TO A MAX 2 IN. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY.
3. FIRESTOP SYSTEM — THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
A. FILL, VOID OR CAVITY MATERIAL* —SEALANT — MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL, AT POINT CONTACT LOCATION. A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED TO THE WALL/DUCT INTERFACE ON BOTH SURFACES OF WALL.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE SEALANT. CP601S ELASTOMERIC FIRESTOP SEALANT OR CP606 FLEXIBLE SEALANT.
B. STEEL RETAINING ANGLE — NO. 18 MSG (0.048 IN.) GALV STEEL ANGLES CUT TO FIT CONTOUR OF DUCT WITH A 2 IN. OVERLAP ON THE DUCT AND A MIN 1 IN. OVERLAP ON THE GYPSUM BOARD ASSEMBLY ON BOTH SURFACES OF WALL. 2 IN. LEG OF ANGLE SECURED TO DUCT WITH MIN NO. 8 BY 3/4 IN. LONG SHEET METAL SCREWS, SPACED A MAX OF 6 IN. OC. WHEN BEAD OF FILL MATERIAL IS USED AT JOINT CONTACT LOCATIONS, ANGLES SHALL BE INSTALLED PRIOR TO FULL MATERIAL CURING
*Bearing the UL Classification Mark

6 INSULATED PIPE AT FLOOR

3" = 1'-0" ,

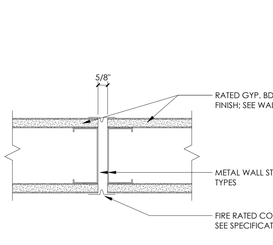
5 RETAINED MTL DUCT AT MTL STUD WALL

3" = 1'-0" ,



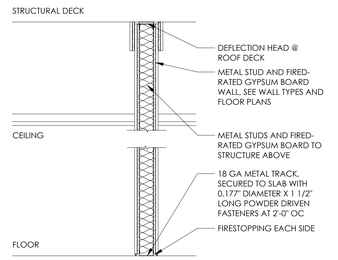
Design No. U465
Nonbearing Wall Rating — 1 HR.

1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.
3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. See **Batts and Blankets** (*BZJZ*) category for names of Classified companies.
4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When Steel Framing Members* (Item 6 or any alternate clips) are used, gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.
5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.



1 RATED CONTROL JOINT-GYP.BD

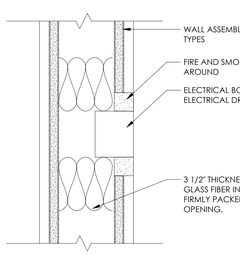
3" = 1'-0" ,



NOTE: FOR LOCATION OF FIRE-RATED WALLS, SEE FIRE AND LIFE SAFETY PLANS

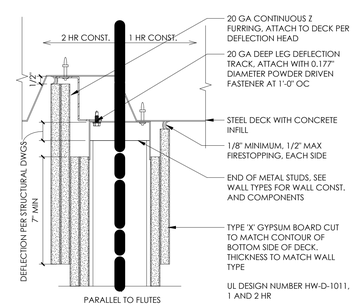
2 TYPICAL FIRE-RATED WALL

3/4" = 1'-0" ,



3 FIRE-RATED WALL BOX

3" = 1'-0" ,



4 RATED DEFLECTION HEAD @ DECK

3" = 1'-0"

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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - FIRE RATING

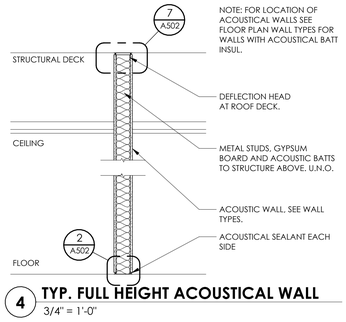
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

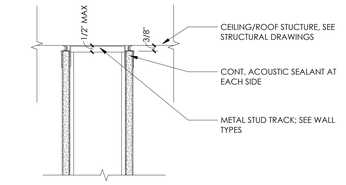
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

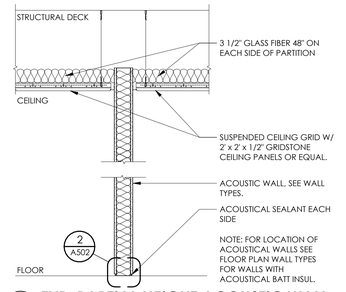
A500



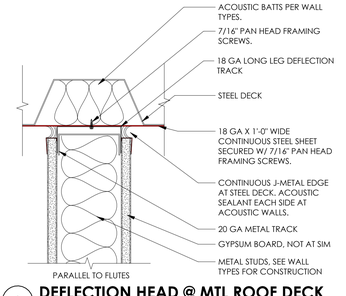
4 TYP. FULL HEIGHT ACOUSTICAL WALL
3/4" = 1'-0"



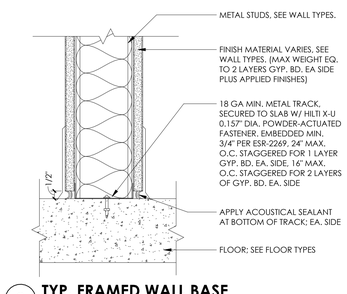
7 TYP. ACOUSTIC HEADER
3" = 1'-0" , DWG REF: A315



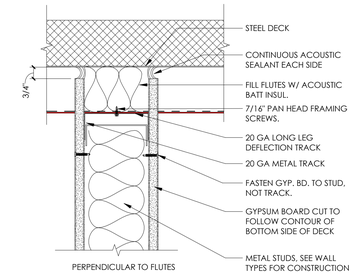
3 TYP. PARTIAL HEIGHT ACOUSTIC WALL
3/4" = 1'-0"



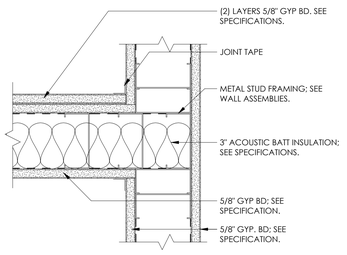
6 DEFLECTION HEAD @ MTL ROOF DECK
3" = 1'-0" ,



2 TYP. FRAMED WALL BASE
3" = 1'-0" , DWG REF: A315



5 DEFLECTION HEAD @ MTL ROOF DECK
3" = 1'-0" ,



1 TYP. ACOUS PARTITION INTERSECTION
3" = 1'-0" ,

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STATE OF UTAH
HEBER EBEN GOODSELL
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - ACOUSTICS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**Author**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A502

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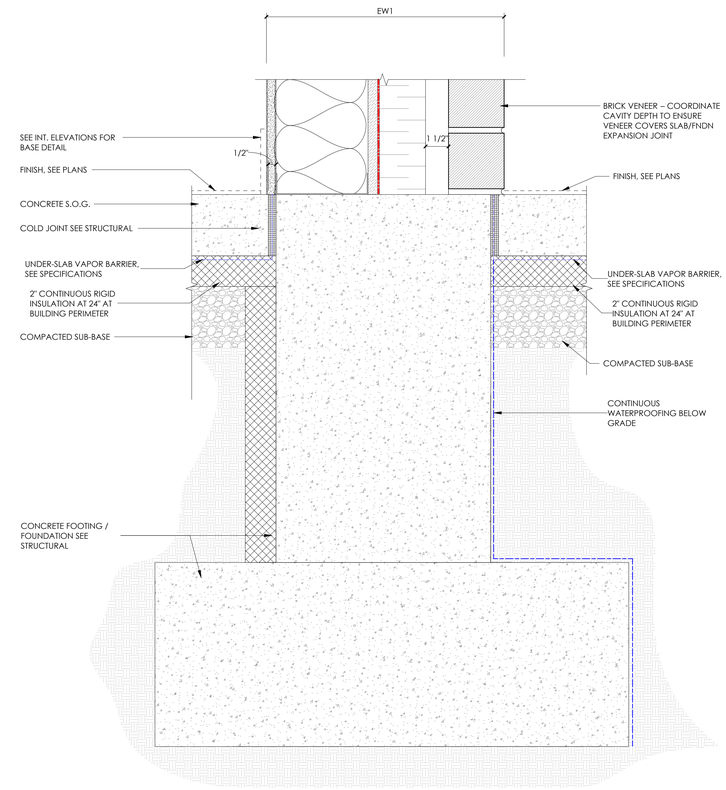

2 EW1 @ FOUNDATION - VESTIBULE
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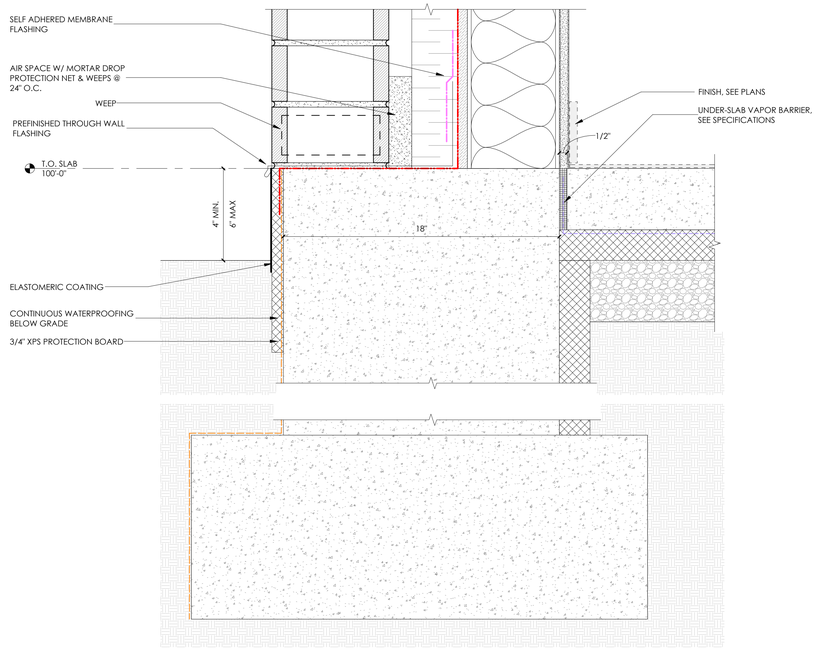
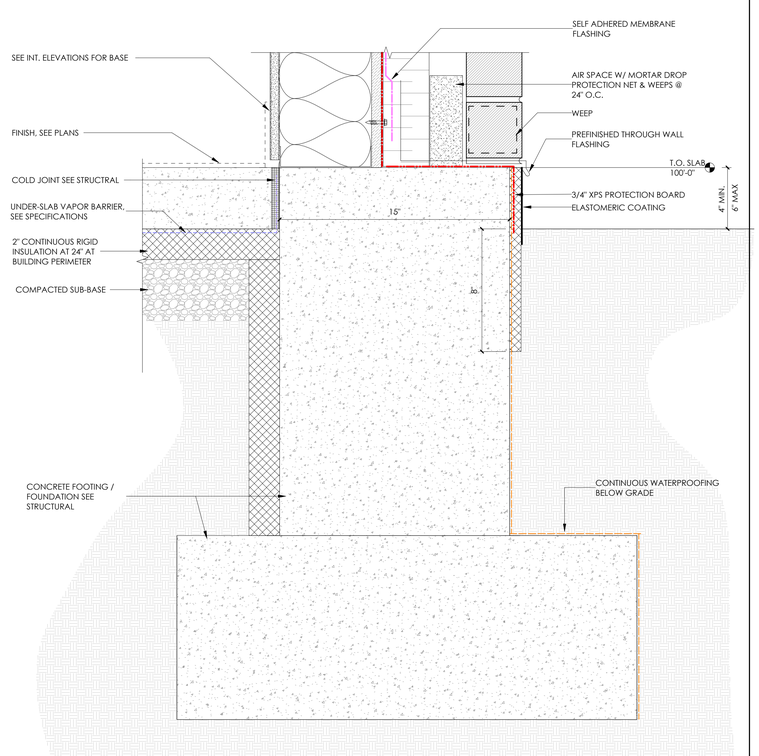


3 FOUNDATION @ 8" BRICK BORDER FACADE
3" = 1'-0"



1 EW1 @ FOUNDATION
3" = 1'-0" , DWG REF: A100.B

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05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - FOUNDATION

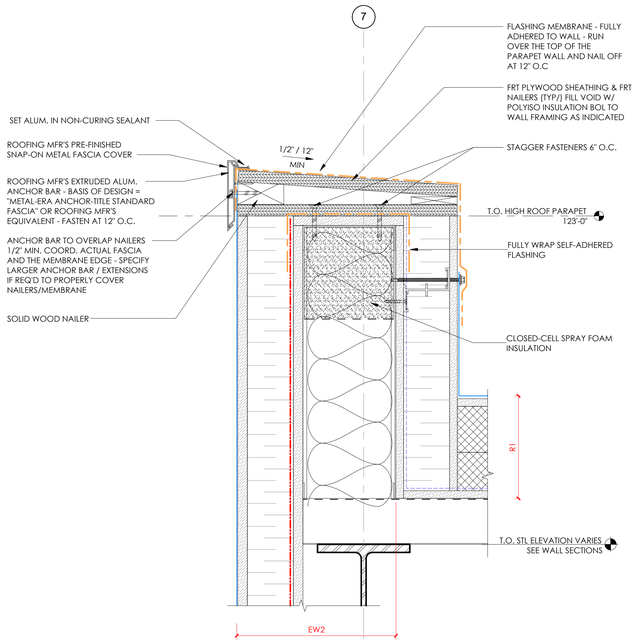
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

A503



5 PARAPET @ MECHANICAL PIT
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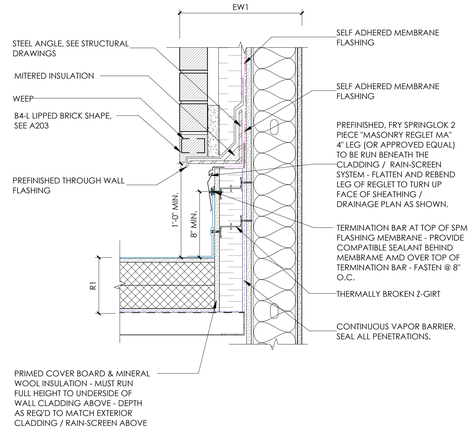
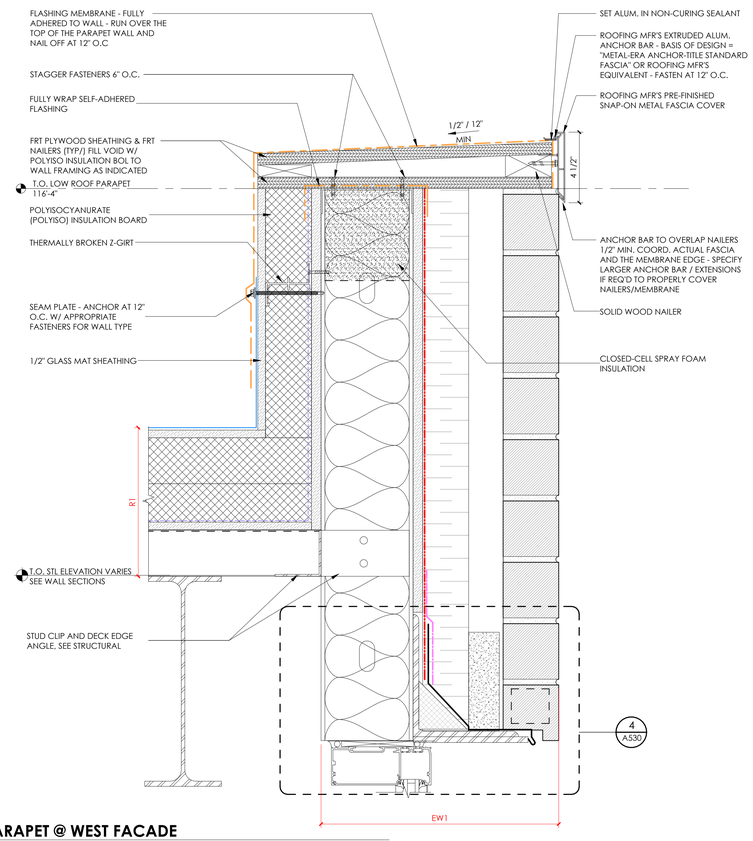
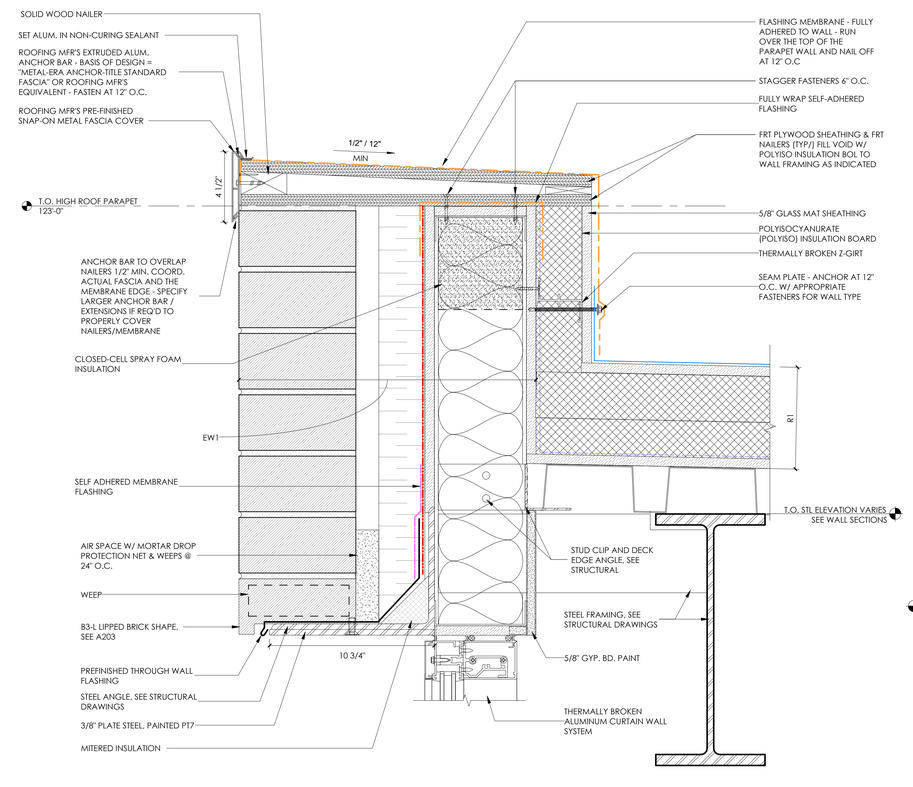


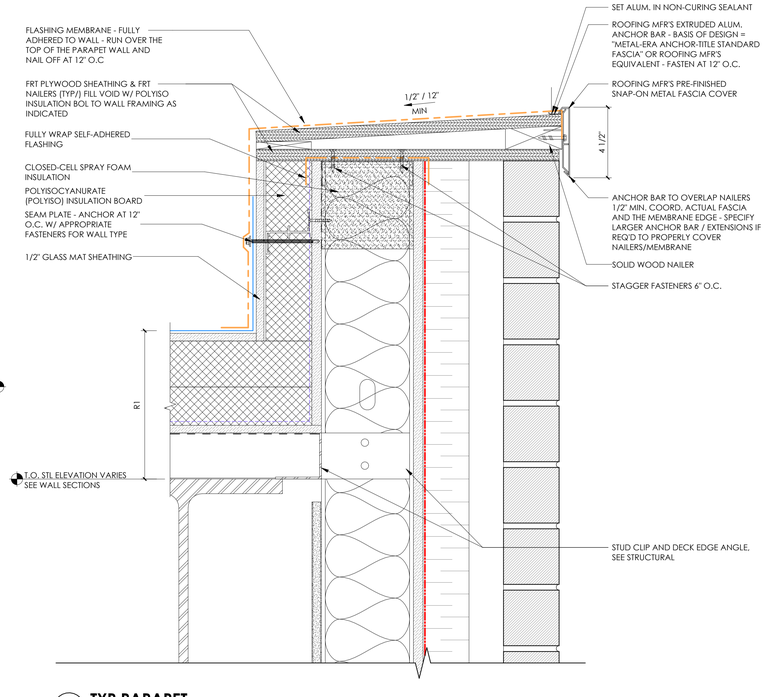
4 EW1 @ ROOF TRANSITION
1 1/2" = 1'-0"



2 PARAPET @ WEST FACADE
3" = 1'-0" , DWG REF: A310



3 PARAPET AT CURTAINWALL
3" = 1'-0" , DWG REF: A310



1 TYP PARAPET
3" = 1'-0"

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN CRABBERT
No 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - SECTION

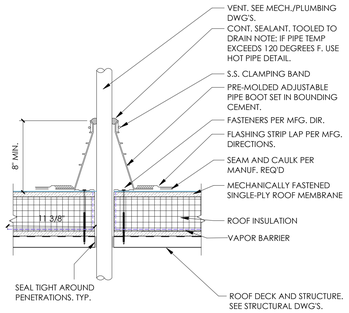
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

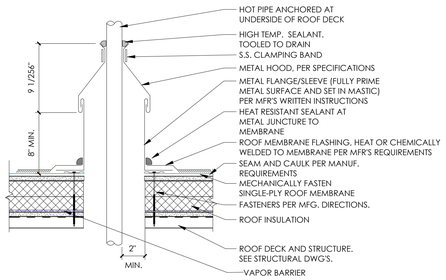
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

A510



6 ROOF - PIPE PENETRATION
1 1/2" = 1'-0" ,



10 ROOF - HOT PIPE PENETRATION
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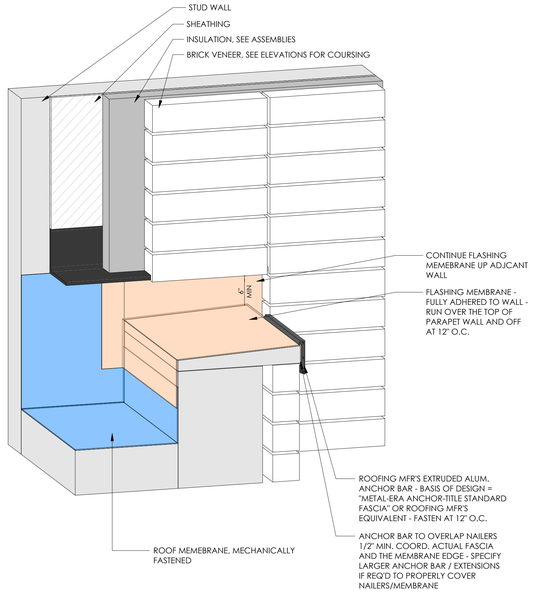

4 PARAPET @ VERTICAL WALL TRANSITION
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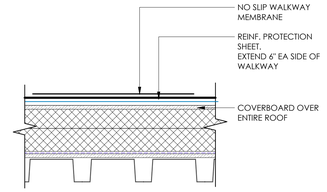
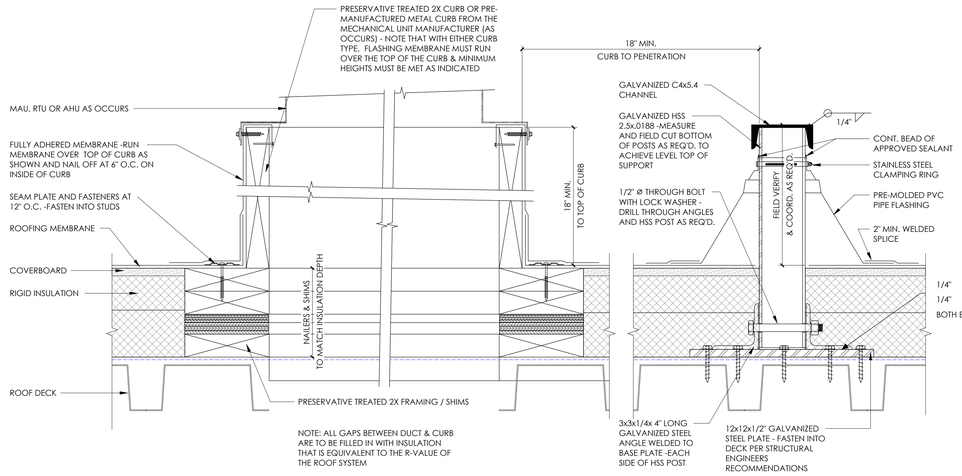


3 ROOF - REINFORCED WALK MAT
1 1/2" = 1'-0" ,

NOTES:
1. WALK PADS ARE TO BE PROVIDED AT ALL 4 SIDES OF CURBS.
2. CURBS AND SUPPORT STANDS MUST BE CONSTRUCTED SO TOP IS LEVEL.
3. NO WELDING WILL BE ALLOWED ON THE ROOF - WELDING SHALL BE DONE IN THE PARKING LOT OR IN A SHOP.
4. IF FINAL INSULATION DEPTH IS GREATER THAN THE EXISTING INSULATION DEPTH, PROVIDE ADDITIONAL NAILERS / SHIMS AS REQ'D. TO ACHIEVE THE MINIMUM HEIGHT INDICATED FROM THE FINAL ROOFING SURFACE TO THE TOP OF THE CURB.
5. VOIDS INSIDE THE CURB, AROUND DUCTING, ARE TO BE FILLED WITH RIGID OR BATT INSULATION AS REQ'D TO MATCH THE R-VALUE OF THE REST OF THE ROOF.
6. SUPPORT STANDS ARE TO BE USED TO SUPPORT ALL CANTILEVERED EQUIPMENT - NO FEET OR SLEEPERS RESTING ON ROOF WILL BE ALLOWED.
7. 9. NOTE THAT A MINIMUM OF (2) SUPPORT LEGS ARE TO BE PROVIDED FOR EACH PIECE OF EQUIPMENT THAT HAS CANTILEVERED ELEMENTS THAT NEED TO BE SUPPORTED - FASTEN CANTILEVERED ELEMENTS TO CHANNEL OR PROVIDE UNISTRUT AS REQ'D. TO PROVIDE ADEQUATE SUPPORT - FIELD VERIFY AND COORDINATE EQUIPMENT HEIGHT AND SUPPORT HEIGHTS AS REQ'D.
8. NOTE THAT ADDITIONAL ENGINEERING WILL BE REQUIRED FOR EQUIPMENT OVER 300 POUNDS.



NOTE: ALL GAPS BETWEEN DUCT & CURB ARE TO BE FILLED IN WITH INSULATION THAT IS EQUIVALENT TO THE R-VALUE OF THE ROOF SYSTEM

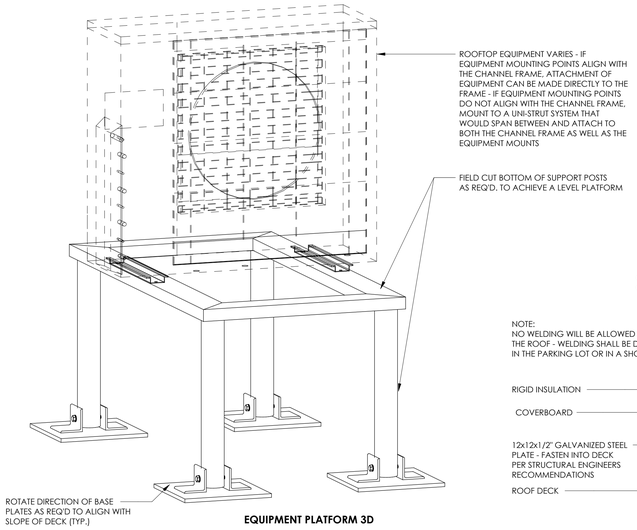
2 ROOF - RTU CURB
3" = 1'-0" ,

TYPICAL NOTE: ALL EXISTING LINE SETS AND ELECTRICAL LINES / CONNECTIONS (AS OCCUR) ARE TO BE REPLACED WITH NEW - WITH THE EXCEPTION OF RIGHT AT THE EQUIPMENT LOCATION, ELECTRICAL LINES AND JUNCTION BOX'S THAT ARE RUN ABOVE THE ROOF, AND OR DECK, ARE TO BE REPLACED AND RE-RUN BENEATH THE DECK BACK TO THE NEAREST JUNCTION OR ELECTRICAL BOX - NO FLEXIBLE ELECTRICAL CONDUIT WILL BE ALLOWED LOWER THAN 12" ABOVE THE FINISHED ROOF SURFACE -ALL ELECTRICAL WORK MUST BE DONE TO NEC STANDARDS

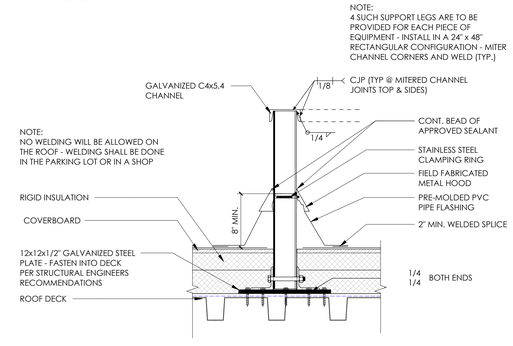
NOTE THAT THIS DETAIL IS TO BE USED WHEREVER ROOFTOP EQUIPMENT WOULD TYPICALLY BE INSTALLED ON WOOD, BOXED, CURB -WOOD CURBS SHOULD NOT BE USED

COORDINATE WITH DETAIL #03 AND DETAIL #04 FOR ELECTRICAL AND OR LINE SET (AS OCCURS) PENETRATION DETAILS

NOTE THAT WALK PADS ARE TO BE PROVIDED AT ALL 4 SIDES OF THESE ELEVATED PLATFORMS

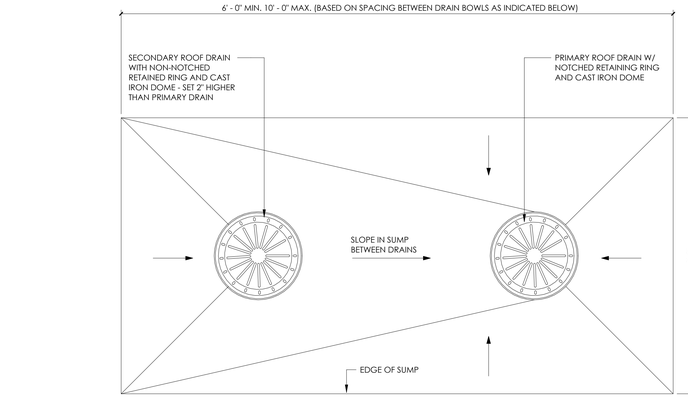


EQUIPMENT PLATFORM 3D

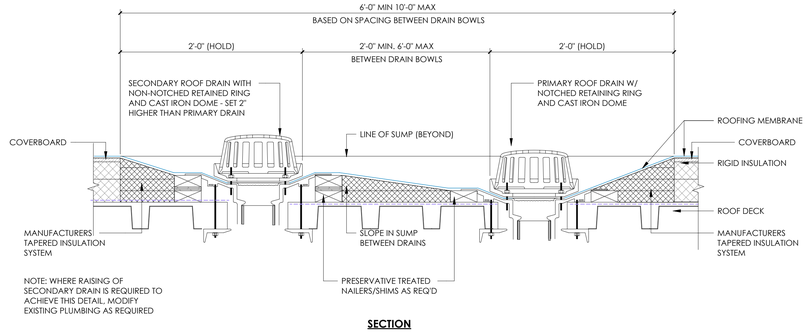


ADJUSTABLE BASE / SUPPORT

5 ROOF - DFCM EQUIPMENT CURB
1 1/2" = 1'-0" ,



PLAN



SECTION

1 ROOF - DFCM - DRAIN DETAIL
1 1/2" = 1'-0" ,

5/26/2026 9:23:44 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
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ARCHITECT / CONSULTANT



AHJ



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ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

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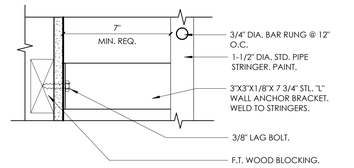
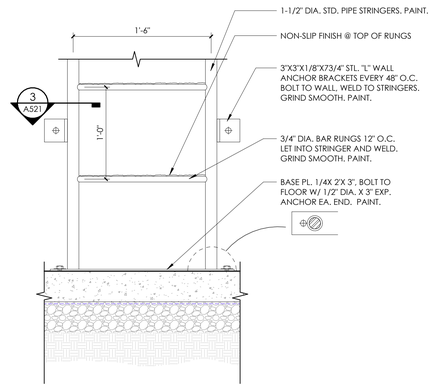
A520



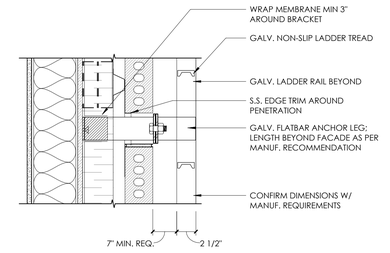
3 ROOF - MAIN ACCESS LADDER

3" = 1'-0" , DWG REF: A521



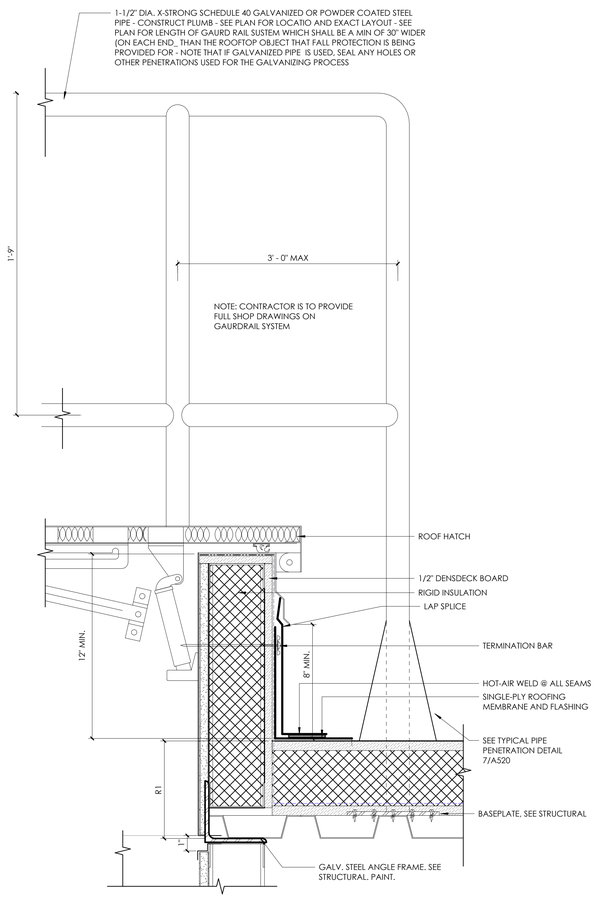
6 ROOF - MAIN ACCESS LADDER

1 1/2" = 1'-0" ,



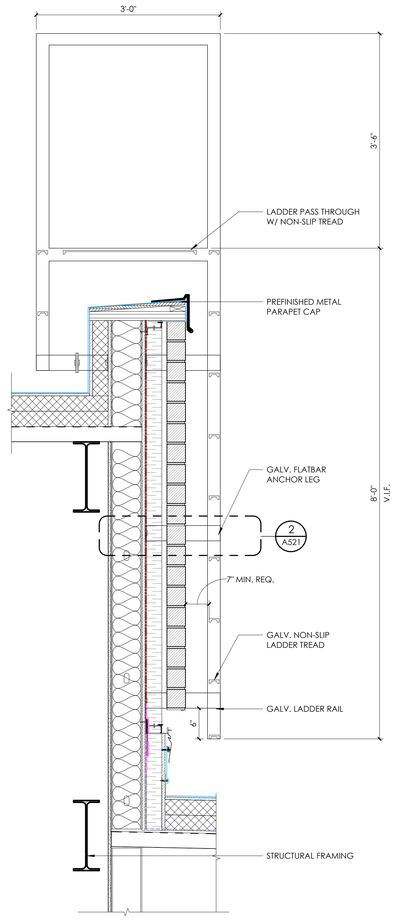
2 ROOF - ACCESS LADDER BRACKET DETAIL

1 1/2" = 1'-0" , DWG REF: A521



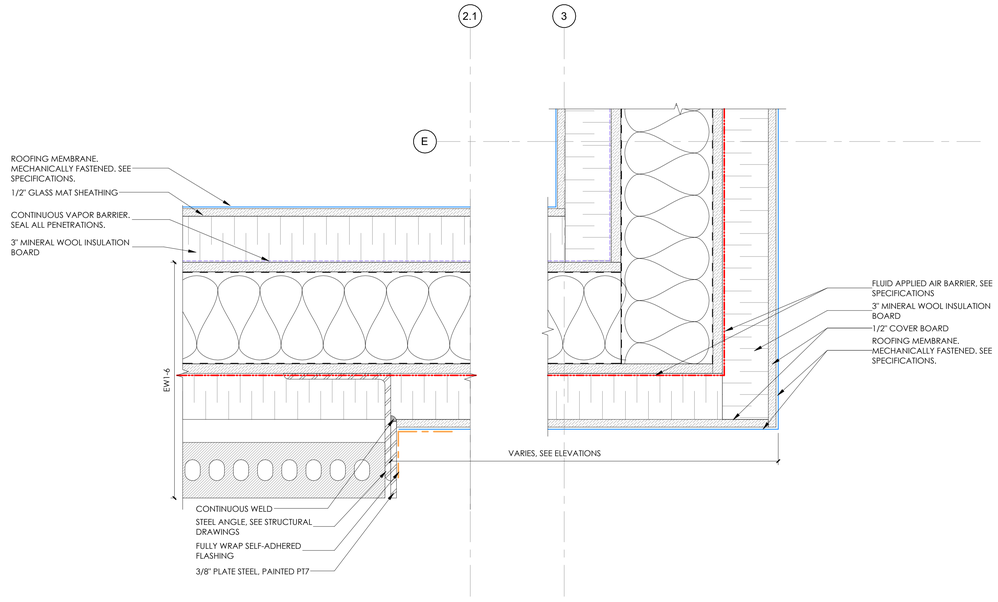
5 ROOF HATCH DETAIL

3" = 1'-0" ,



1 ROOF - HIGH ROOF ACCESS LADDER

1" = 1'-0" ,



4 ROOF MEMBRANE OUTSIDE CORNER TO BRICK

3" = 1'-0" , DWG REF: A105

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AHJ



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REVISIONS

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1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
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DRAWN BY: **DR, SF**
CHECKED BY: **K. RIGBY**
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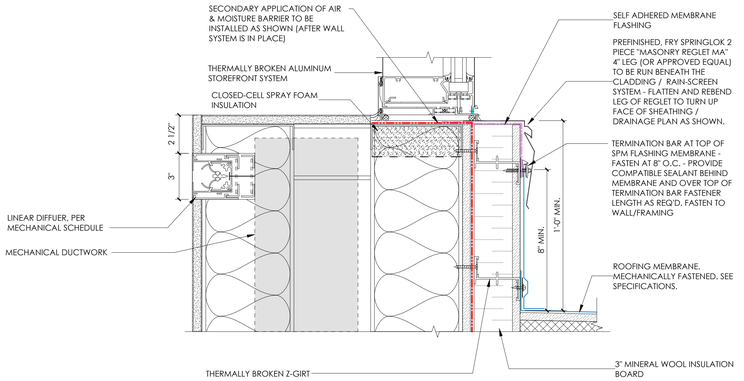
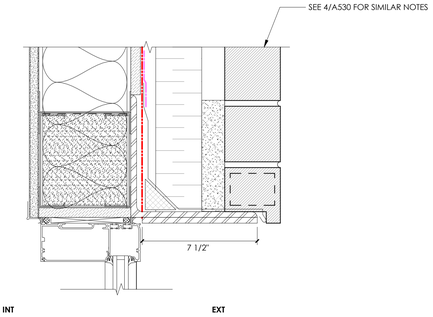


13 STOREFRONT - SILL @ CLERESTORY
3" = 1'-0"



8 STOREFRONT - HEAD @ BRICK FEILD TEXTURE
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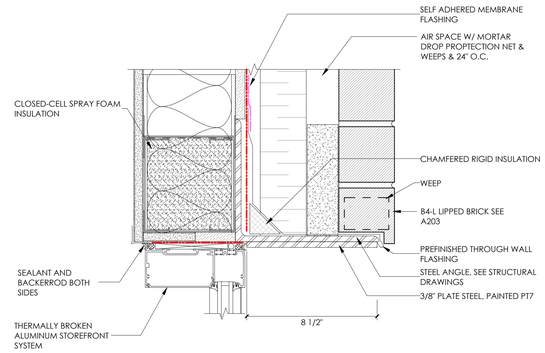

4 STOREFRONT - HEAD @ BRICK BORDER
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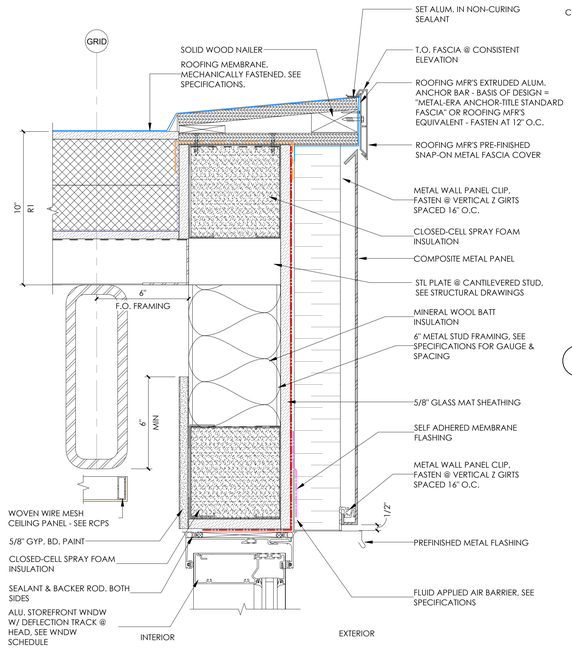
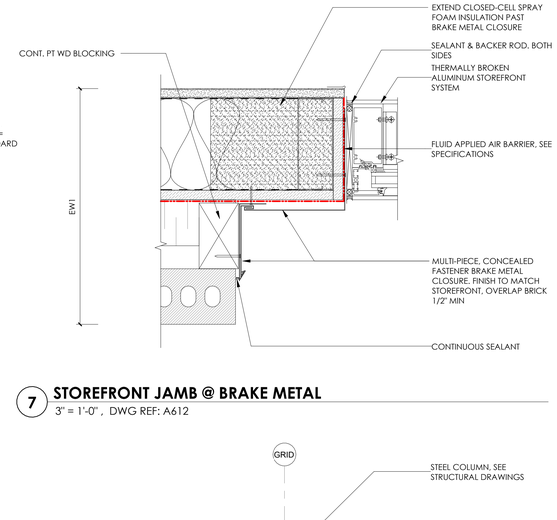


14 STOREFRONT - HEAD CLERESTORY @ METAL PANEL - GRID 3/4
3" = 1'-0"



7 STOREFRONT JAMB @ BRAKE METAL
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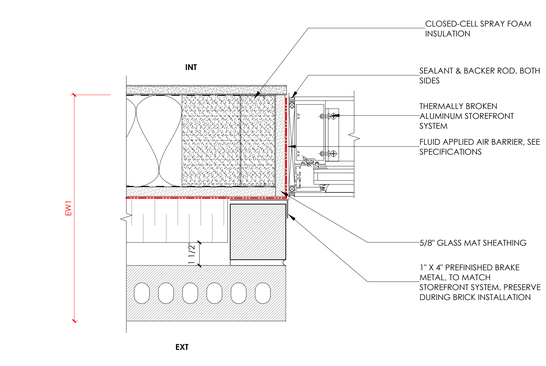

3 STOREFRONT - JAMB @ BRICK FEILD
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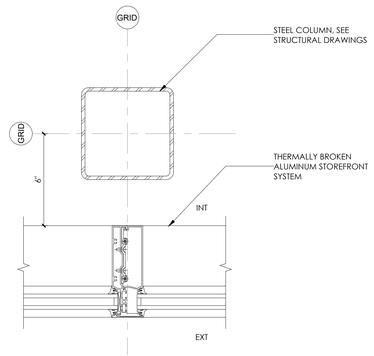
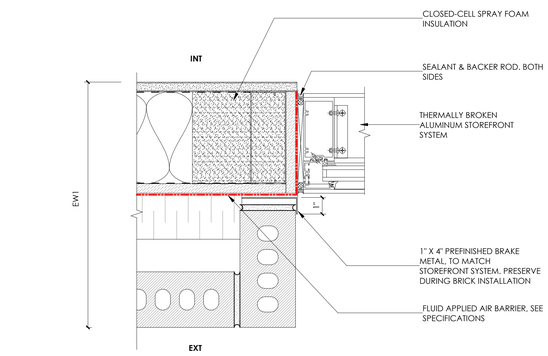


6 STOREFRONT - CLERESTORY HORIZONTAL MULLION @ COLUMN
3" = 1'-0"



2 STOREFRONT - JAMB @ BRICK BORDER
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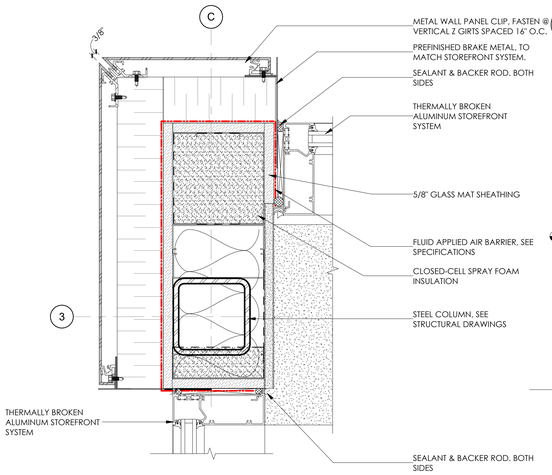
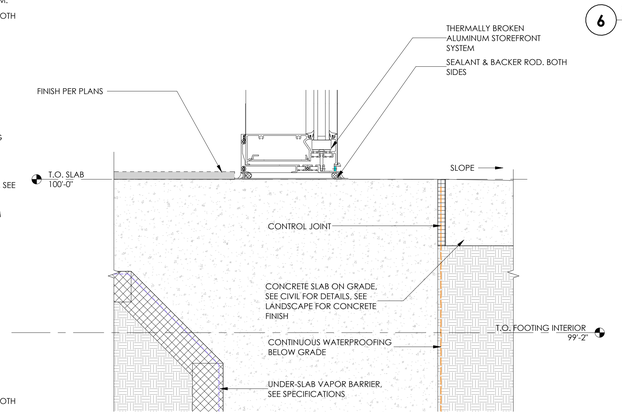
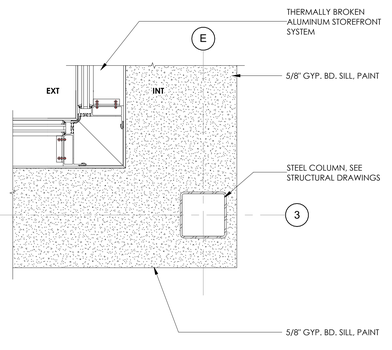


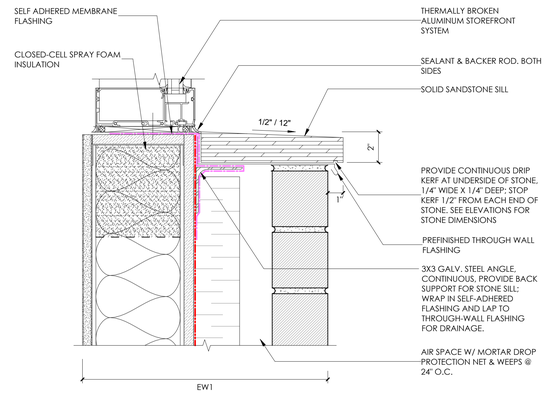
15 STOREFRONT - JAMB @CLERESTORY OUTSIDE CORNER
3" = 1'-0" , DWG REF: A105



9 STOREFRONT @ FOUNDATION
3" = 1'-0"



5 STOREFRONT - JAMB @ CLERESTORY INSIDE CORNER
1 1/2" = 1'-0"



1 STOREFRONT - SILL @ BRICK
3" = 1'-0"

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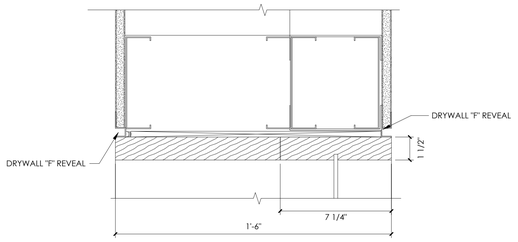

16 WOOD TRANSOM FURRED WALL @ HEAD
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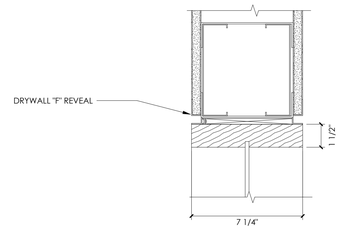

12 WOOD TRANSOM @ HEAD
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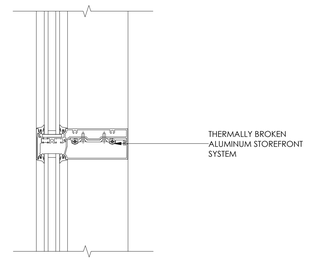
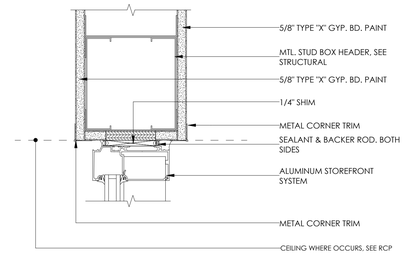
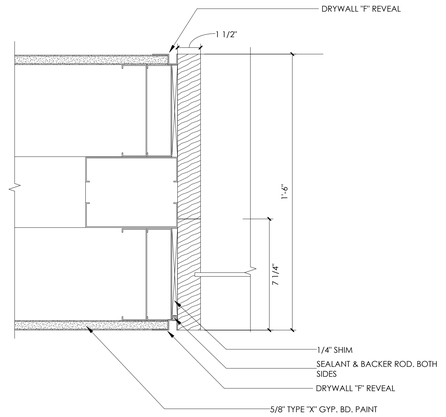


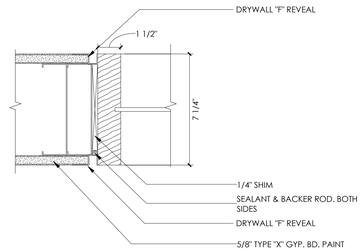
8 STOREFRONT SSG HORIZONTAL MULLION
3" = 1'-0" ,



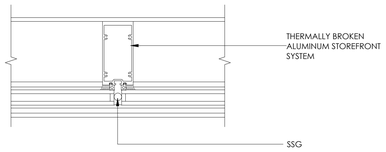
4 INTERIOR STOREFRONT - HEAD
3" = 1'-0" , DWG REF: A611



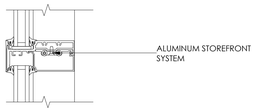
15 WOOD TRANSOM FURRED WALL @ JAMB
3" = 1'-0" , DWG REF: A611



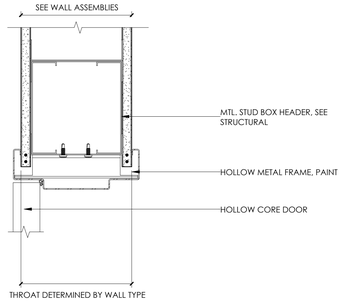
11 WOOD TRANSOM @ JAMB
3" = 1'-0" , DWG REF: A611



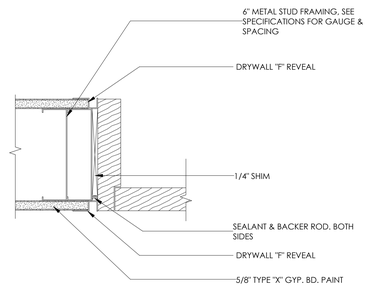
7 STOREFRONT SSG MULLION
3" = 1'-0" ,



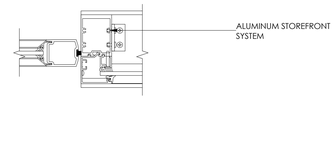
3 INTERIOR STOREFRONT - VERTICAL/HORIZONTAL MULLION
3" = 1'-0" , DWG REF: A611



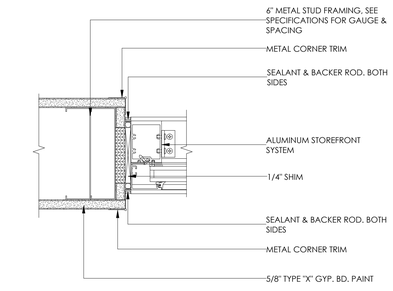
14 HOLLOW METAL WRAP AROUND DOOR HEAD FRAME
3" = 1'-0" ,



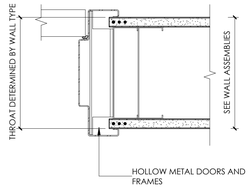
10 WOOD DOOR @ JAMB
3" = 1'-0" ,



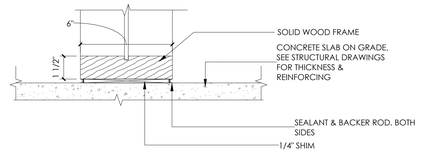
6 INTERIOR STOREFRONT - DOOR TO SIDELIGHT
3" = 1'-0" , DWG REF: A611



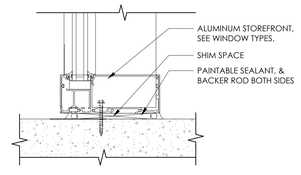
2 INTERIOR STOREFRONT - JAMB
3" = 1'-0" , DWG REF: A611



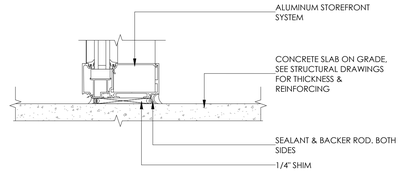
13 HOLLOW METAL WRAP AROUND DOOR JAMB FRAME
3" = 1'-0" ,



9 WOOD FRAME SIDELITE @ SILL
3" = 1'-0" ,



5 STOREFRONT - SILL ON GRADE
3" = 1'-0" ,



1 INTERIOR STOREFRONT - THRESHOLD
3" = 1'-0" , DWG REF: A611

5/26/2026 9:23:54 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
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703 east 1700 south
salt lake city, ut 84105
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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - INTERIOR DOORS & STOREFRONT

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**Author**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

A532

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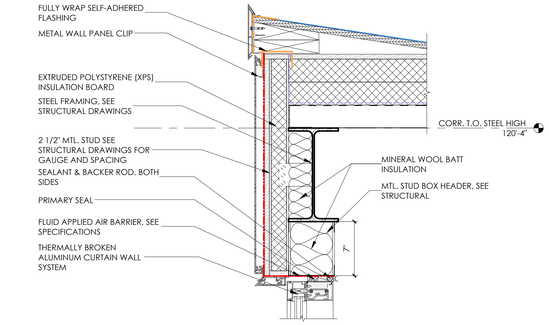
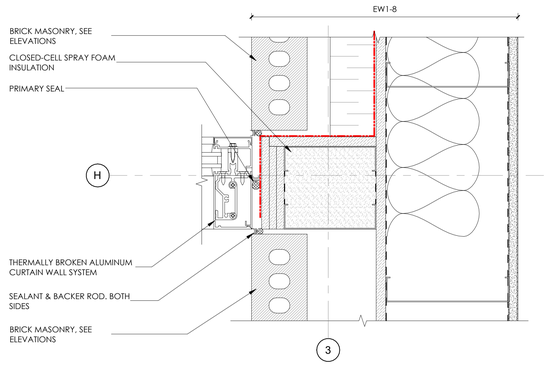


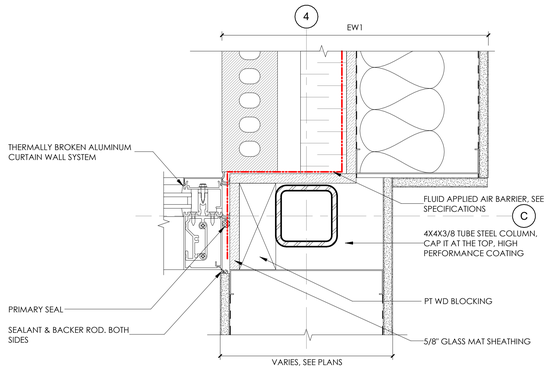
8 CURTAIN WALL HEAD @ GRID H

1 1/2" = 1'-0" , DWG REF: A104.D



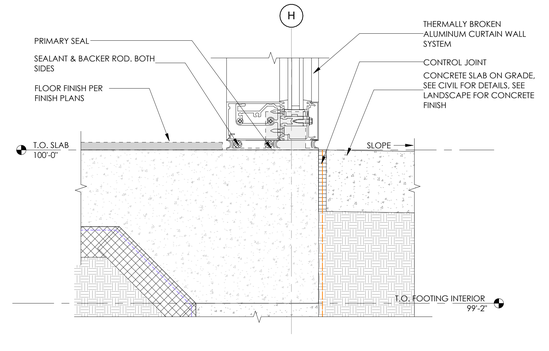
7 CURTAINWALL @ JAMB - VESTIBULE

3" = 1'-0" , DWG REF: A612



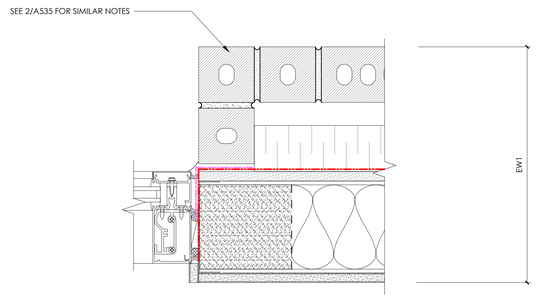
6 CURTAINWALL @ JAMB - TO GYP

3" = 1'-0" , DWG REF: A101.A



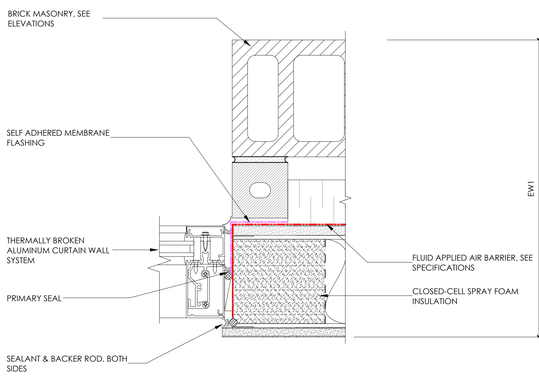
5 CURTAINWALL @ FOUNDATION

3" = 1'-0" , DWG REF: A100.B



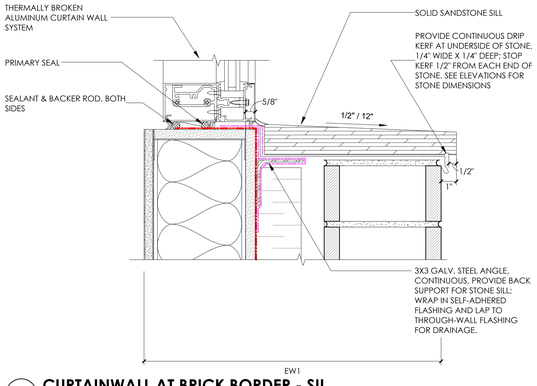
3 CURTAINWALL AT BP1 - JAMB

3" = 1'-0"



2 CURTAINWALL AT BRICK BORDER - JAMB

3" = 1'-0"



1 CURTAINWALL AT BRICK BORDER - SIL

3" = 1'-0" , DWG REF: A101.A

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703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - CURTAINWALL

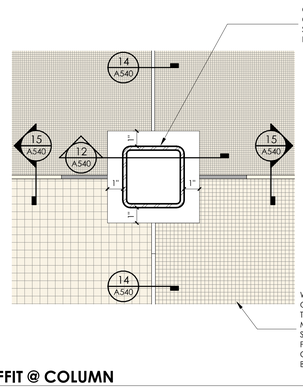
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

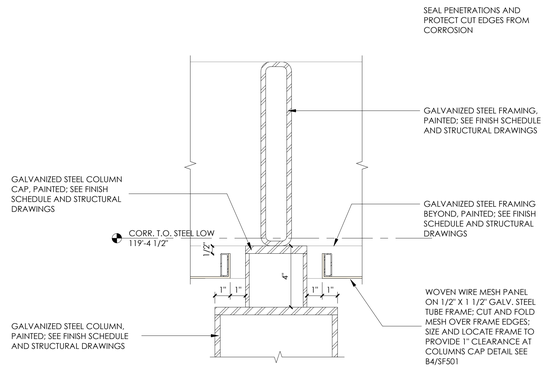
ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**Author**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

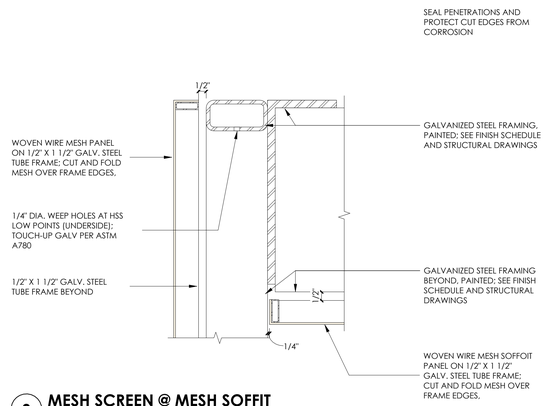
A535



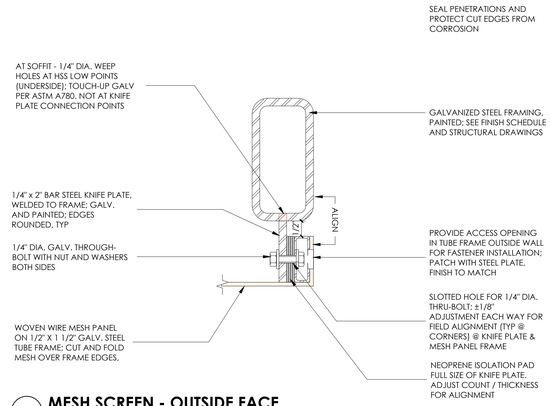
16 MESH SOFFIT @ COLUMN
3" = 1'-0"



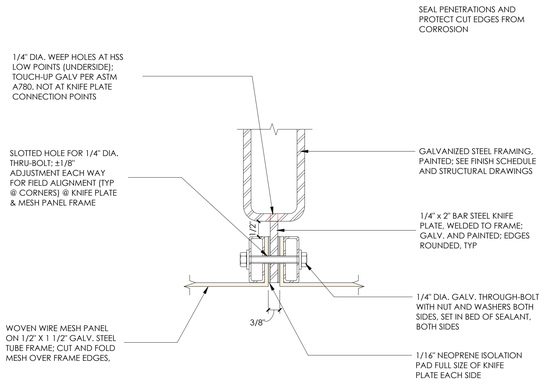
12 MESH SOFFIT @ COLUMN
3" = 1'-0" , DWG REF: A311



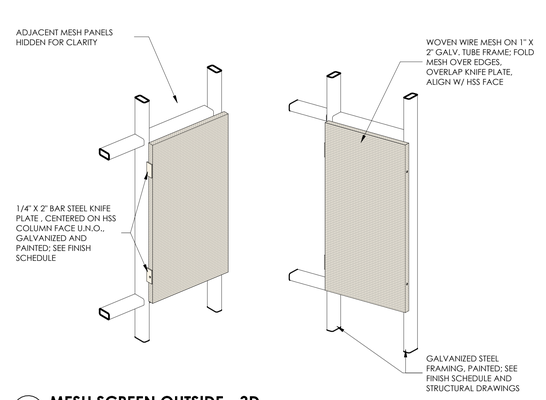
8 MESH SCREEN @ MESH SOFFIT
3" = 1'-0"



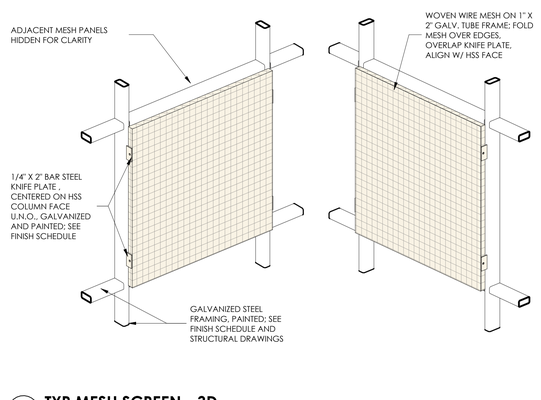
4 MESH SCREEN - OUTSIDE FACE
6" = 1'-0"



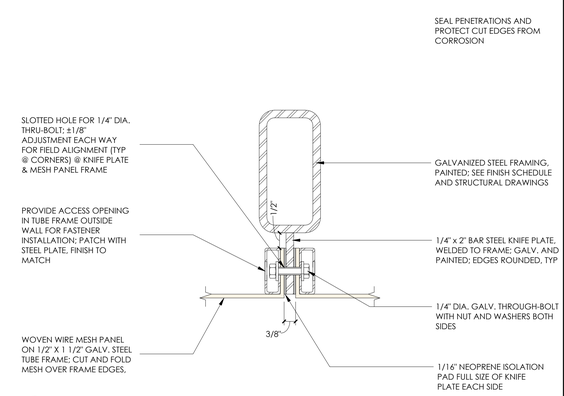
15 MESH SOFFIT - TYP CONNECTION
6" = 1'-0" , DWG REF: A104.D



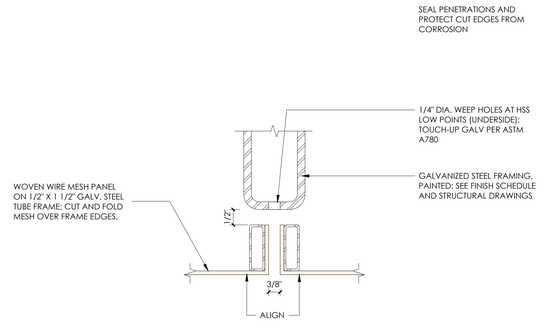
11 MESH SCREEN OUTSIDE - 3D



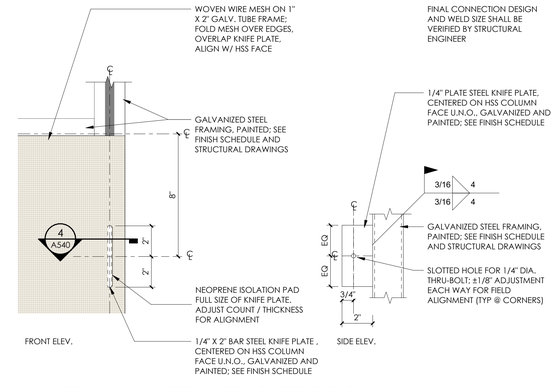
7 TYP MESH SCREEN - 3D



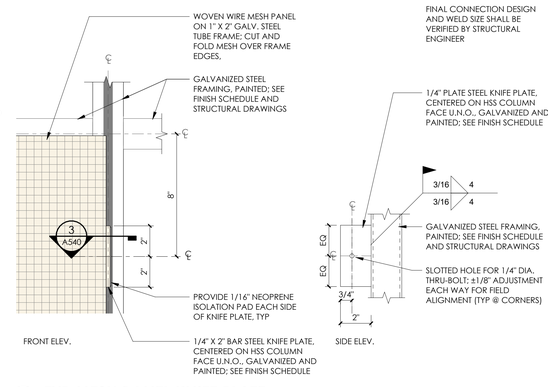
3 MESH SCREEN - TYP VERTICAL CONNECTION
6" = 1'-0"



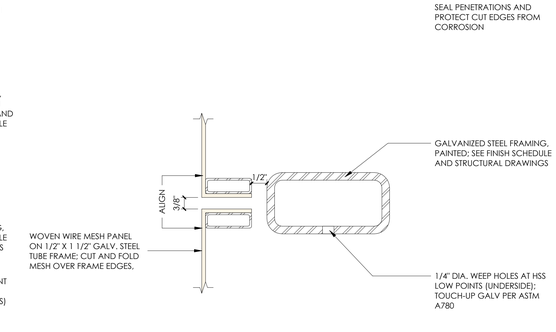
14 MESH SOFFIT - TYP HORI JOINT
6" = 1'-0" , DWG REF: A104.D



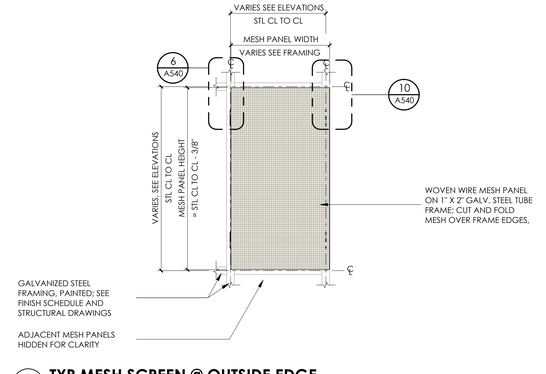
10 MESH PANEL KNIFE PLATE - OUTSIDE EDGE
3" = 1'-0"



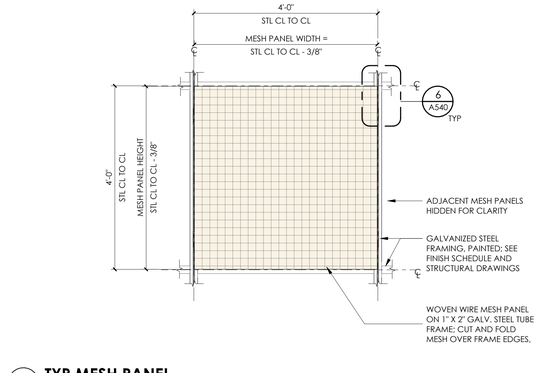
6 TYP MESH PANEL KNIFE PLATE
3" = 1'-0"



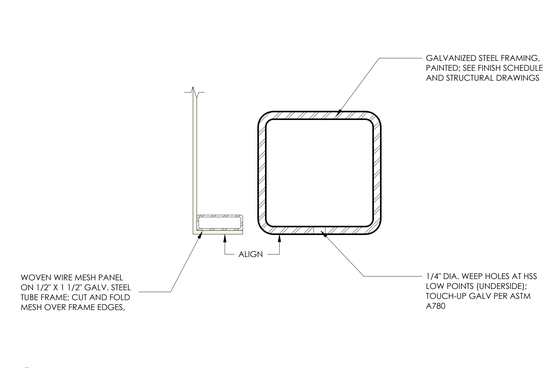
2 MESH SCREEN - TYP HORI JOINT
6" = 1'-0"



9 TYP MESH SCREEN @ OUTSIDE EDGE
3/4" = 1'-0"



5 TYP MESH PANEL
3/4" = 1'-0"



1 MESH SCREEN @ BASE
6" = 1'-0"

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5/26/2026 9:24:07 AM
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703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - MESH SCREEN / SOFFIT

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**Author**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

A540

5/26/2026 9:24:09 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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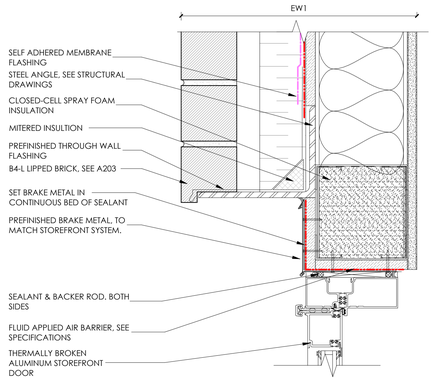
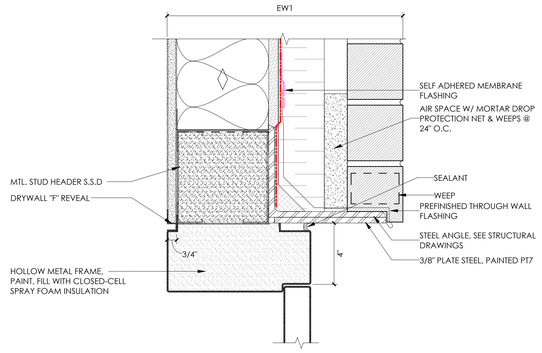


7 STOREFRONT DOOR @ HEAD - HORIZONTAL MULLION
3" = 1'-0"



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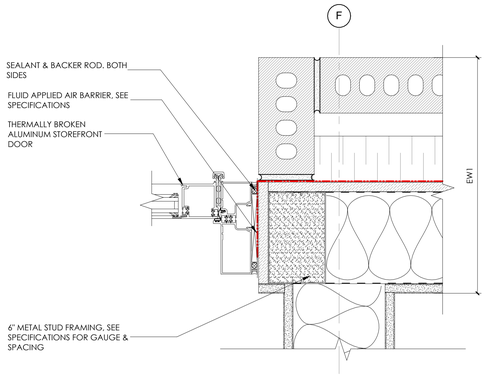

6 STOREFRONT DOOR @ JAMB - BRICK
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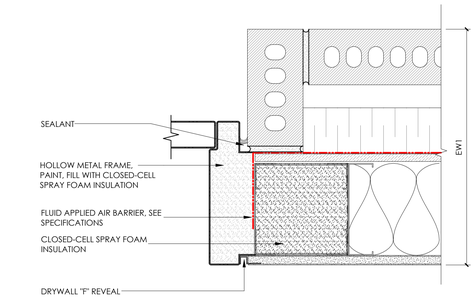

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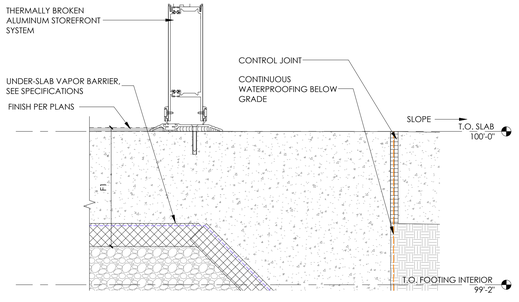
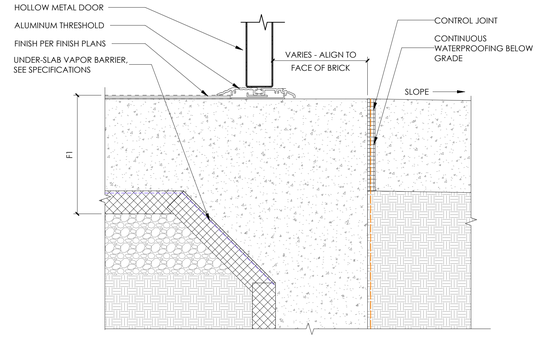


5 STOREFRONT DOOR @ THRESHOLD
3" = 1'-0"



1 HM DOOR @ THRESHOLD
3" = 1'-0" , DWG REF: A100.B

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN ROBBERT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - DOORS

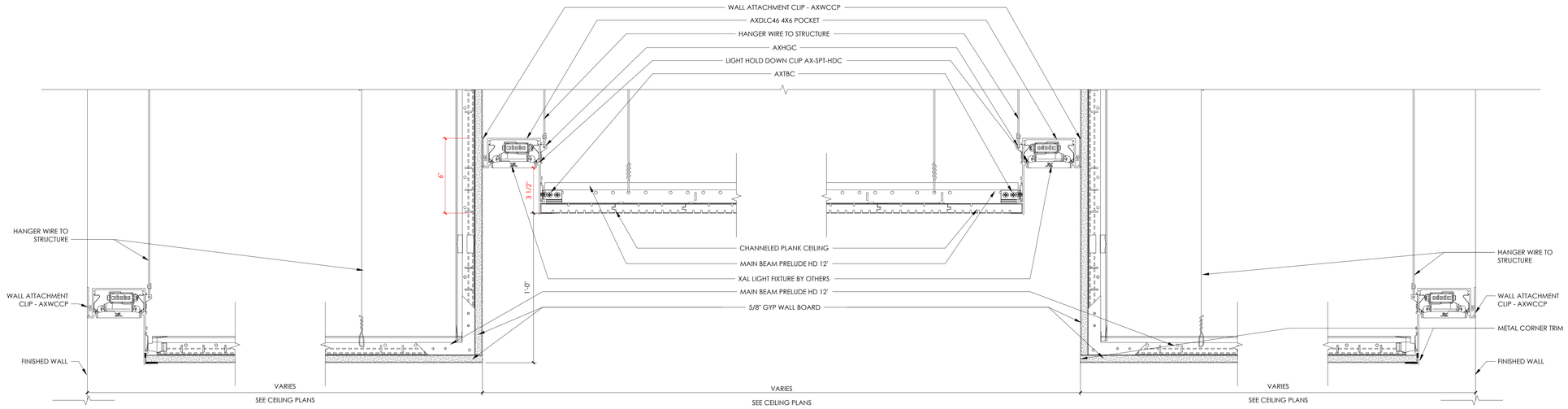
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

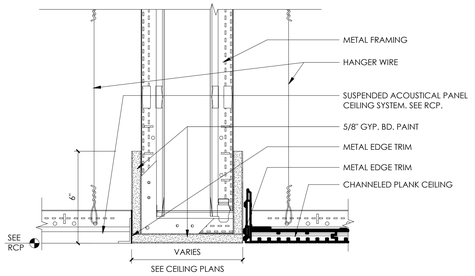
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

A550



12 CEILING - WOOD CEILING TO GYP CEILING
3" = 1'-0" , DWG REF: A104.A



9 DETAIL - ACT TO GYP TO WOOD CEILING
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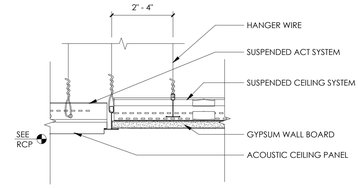

10 TYP. ACOUSTIC TO GYP - OFFSET
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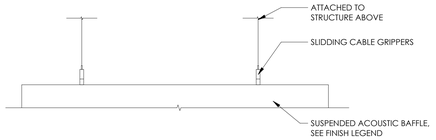
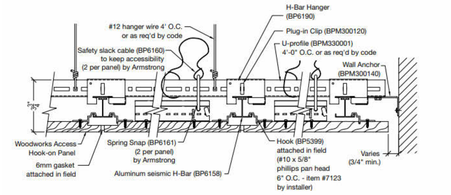
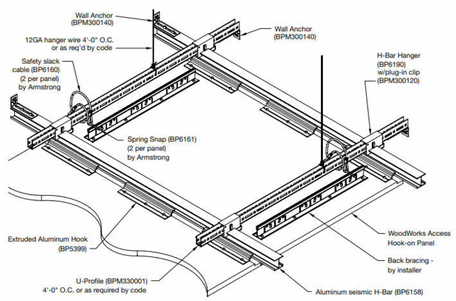


11 SUSPENDED ACOUSTIC BAFFLES
3/4" = 1'-0" ,





8 TYP. ACCESS PANEL DETAIL
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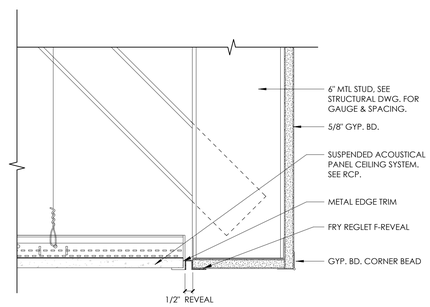
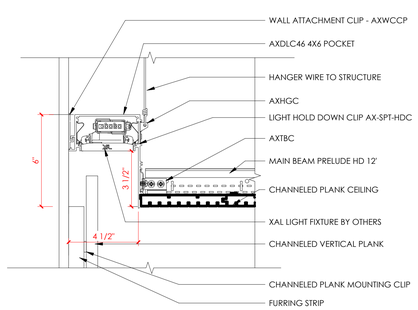


7 DETAIL - ACOUSTIC CEILING TO WALL
3" = 1'-0" , DWG REF: A104.B



6 CEILING - WOOD CEILING TO WOOD WALL
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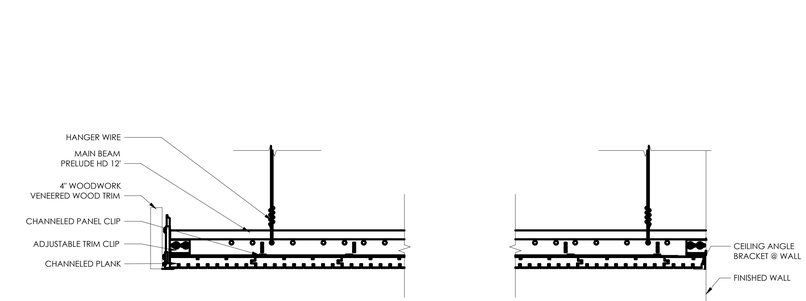

5 CEILING - WOOD CEILING
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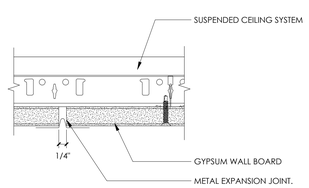
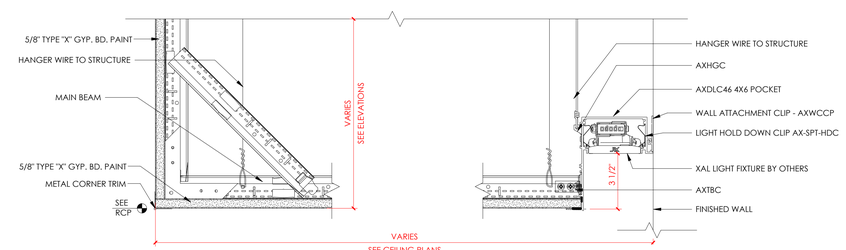


4 TYP. GYP. BD. CEILING CONTROL JOINT
6" = 1'-0" ,



3 CEILING - GYP. SOFFIT W/ LIGHT
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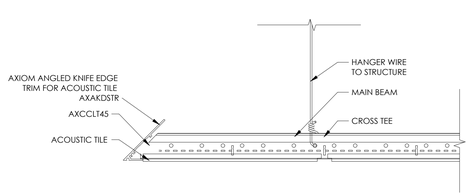
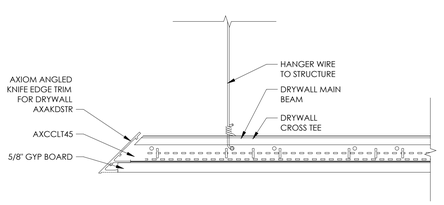


2 CEILING - ACT KNIFE EDGE
3" = 1'-0" , DWG REF: A104.A



1 CEILING - GYP. KNIFE EDGE
3" = 1'-0" , DWG REF: A104.B

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ARCHITECT / CONSULTANT

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DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - CEILINGS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **Author**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A560

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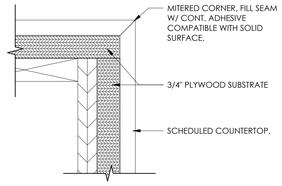

22 CABINET DETAIL - WATERFALL EDGE1
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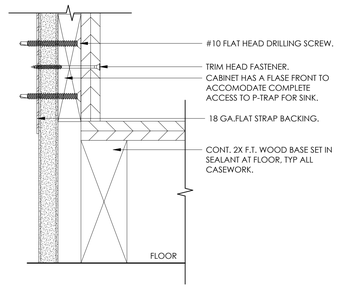
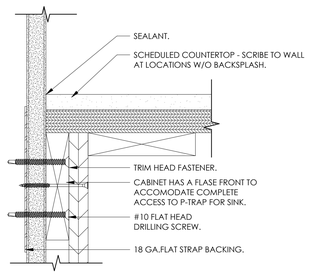


21 CABINET DETAIL - BASE ATTACHMENT1
6" = 1'-0" , DWG REF: A570



20 CABINET DETAIL - BASE TOP ATTACHMENT1
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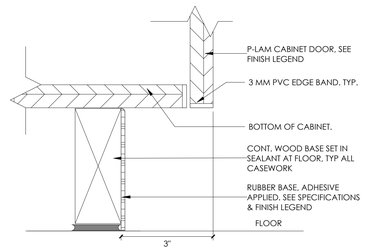

19 CABINET DETAIL - RUBBER BASE TK1
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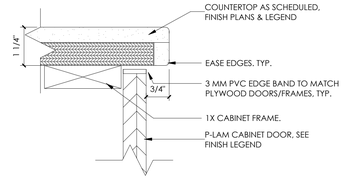
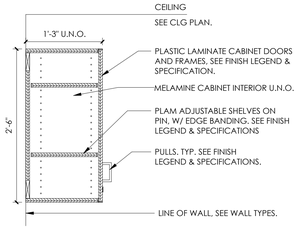
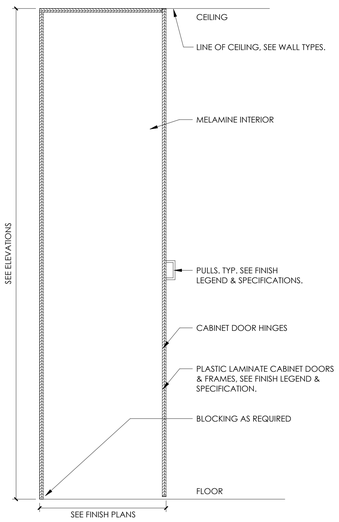


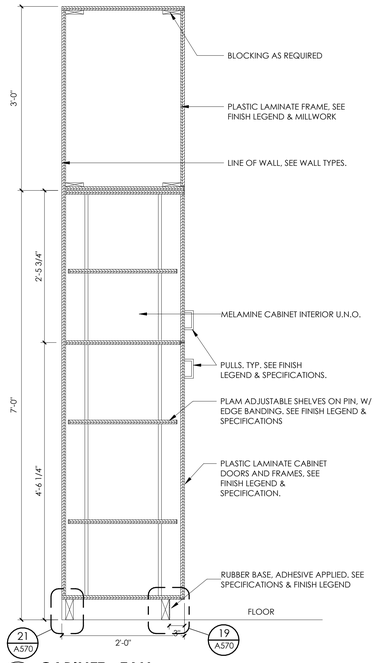
18 CABINET DETAIL - SOLID SURFACE NOSING1
6" = 1'-0" , DWG REF: A570



13 CABINET - UPPER1
1" = 1'-0" , DWG REF: A410



3 CABINET - TALL STORAGE
1" = 1'-0" , DWG REF: A414



8 CABINET - TALL
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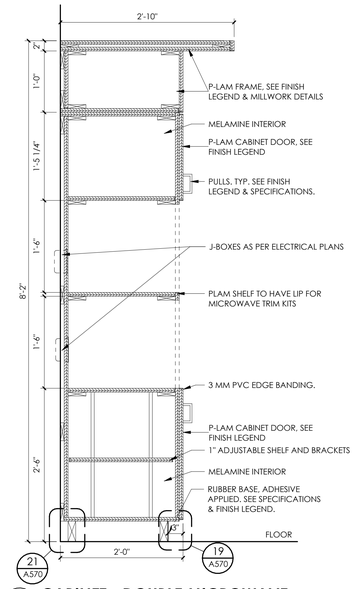

7 CABINET - DOUBLE MICROWAVE
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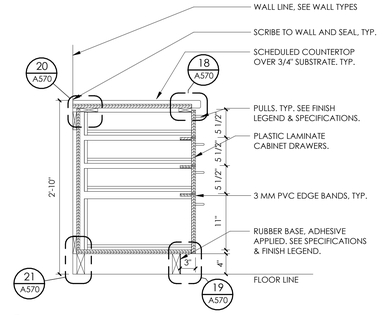
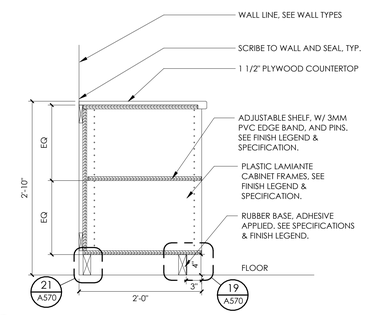


10 CABINET - 4 DRAWER BASE
1" = 1'-0" , DWG REF: A417



9 CABINET - BASE OPEN
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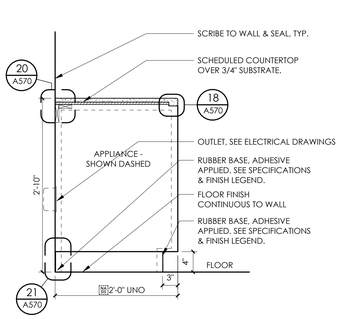

6 CABINET - BASE AT APPLIANCE1
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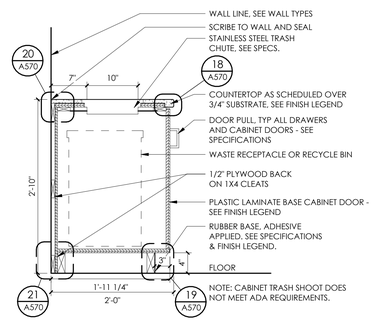
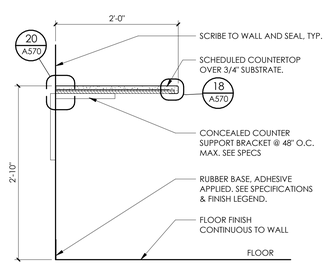


5 CABINET - BASE AT TRASH CHUTE1
1" = 1'-0" , DWG REF: A414



14 CABINET - COUNTERTOP1
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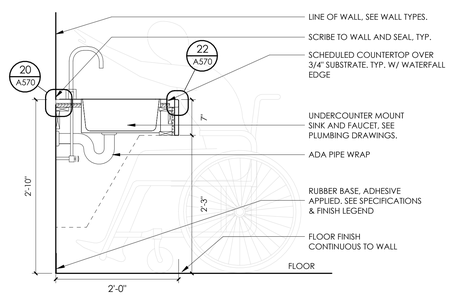

4 CABINET - ADA OPEN W/ SINK
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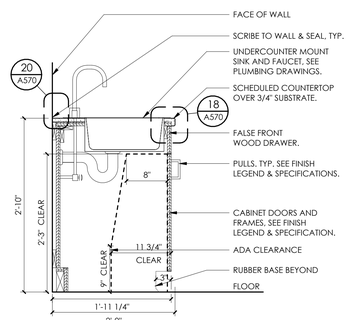

2 CABINET - SINK - ADA
1" = 1'-0" , DWG REF: A414

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703 east 1700 south
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ARCHITECT / CONSULTANT



AHJ



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RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
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SHEET NAME:

DETAILS - MILLWORK

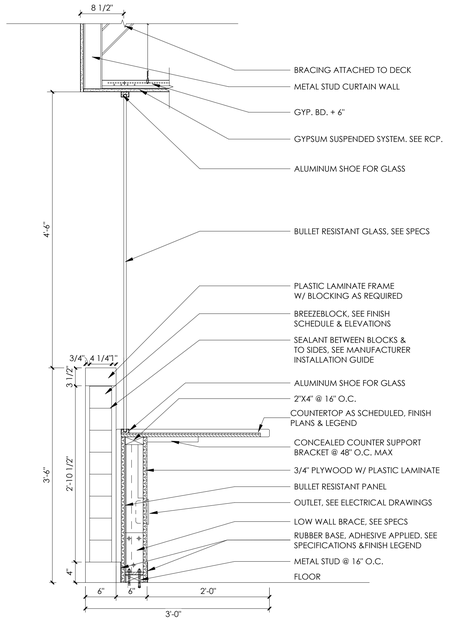
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**HL**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

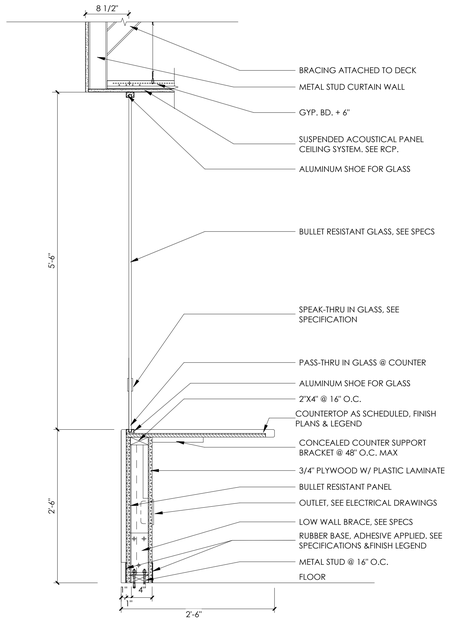
SHEET NUMBER:

A570



9 CABINET - DHHS RECEPTION - TRANSITION COUNTER W/ GLASS

1" = 1'-0" , DWG REF: A413



7 CABINET - DHHS RECEPTION DESK W/ GLASS

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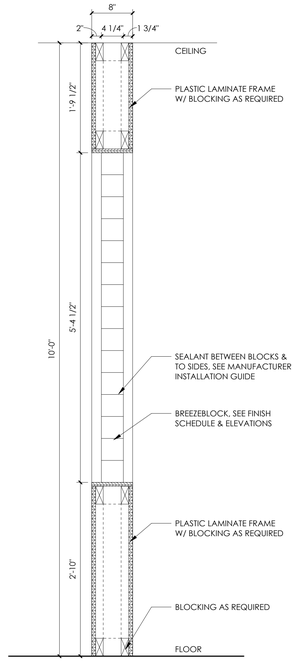

11 CABINET - COMMON - BREEZEBLOCK

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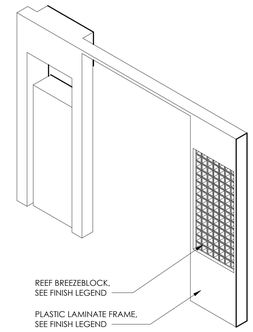

10 COMMON - PORTAL TO BREAK

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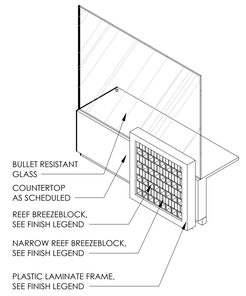

13 DHHS - RECEPTION

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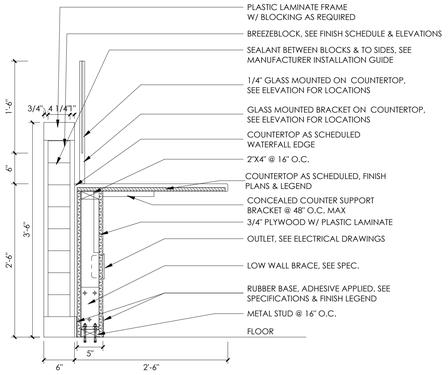

5 CABINET - TRANSACTION COUNTER RECEPTION

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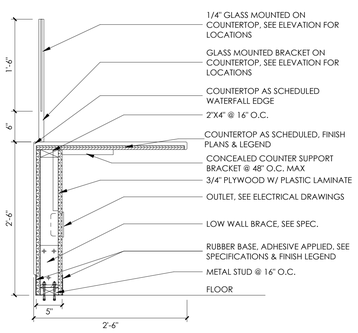

14 CABINET - RECEPTION

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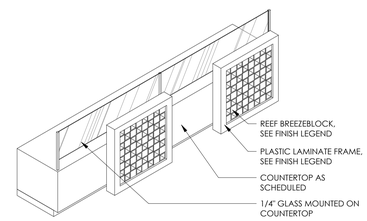

12 DWS - RECEPTION

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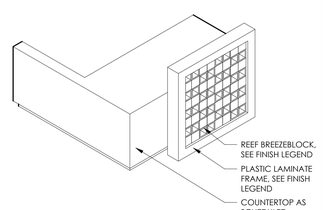

6 DLD - PHOTO DESK

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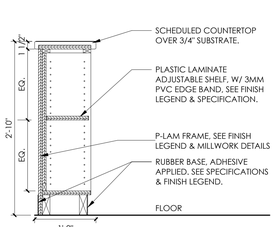
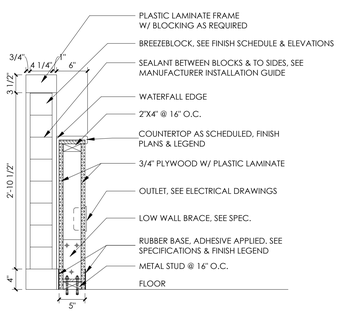


3 CABINET - DMV - STATION OPEN SHELVES

1" = 1'-0" , DWG REF: A410



2 CABINET - DMV - STATION TRANSACTION COUNTER

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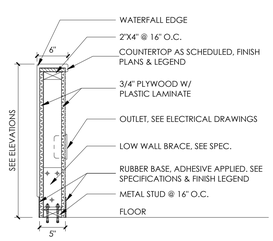

1 CABINET - DMV - STATION

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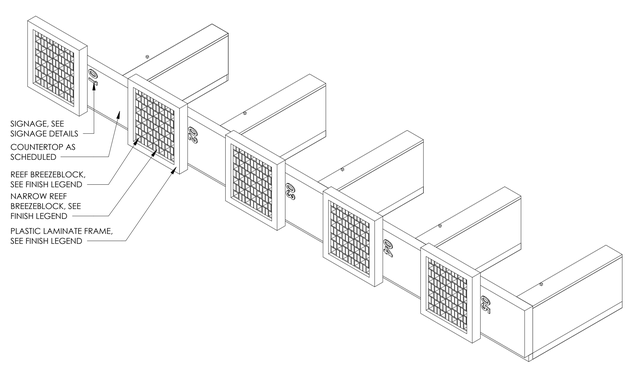

8 DMV - STATIONS

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Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW 5/26/2026 9:24:19 AM BUILDING.rvt

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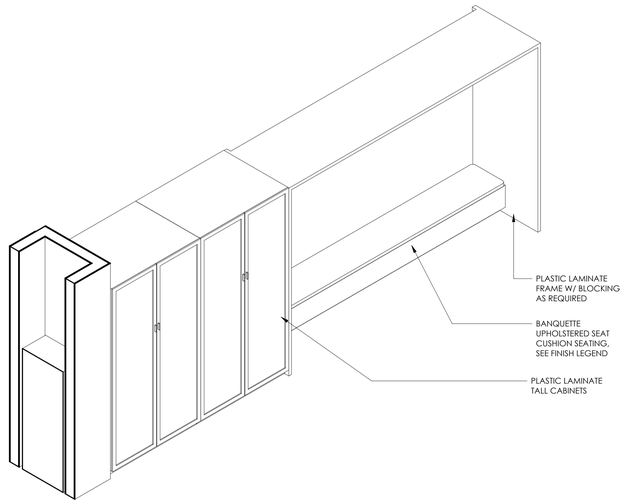

5 COMMON - PORTAL BANQUETTE

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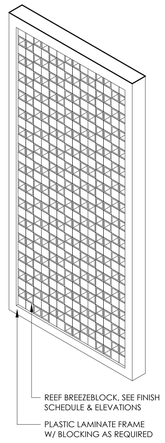

3 DLD - BREEZE BLOCK WALL

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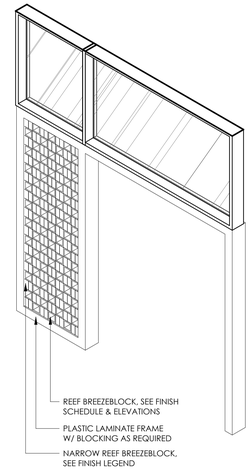

2 DMV - ENTRY

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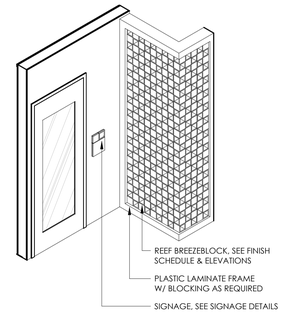

1 DWS - ENTRY

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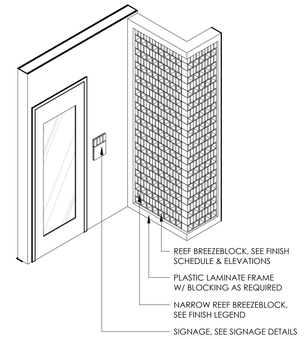

4 DHHS - ENTRY

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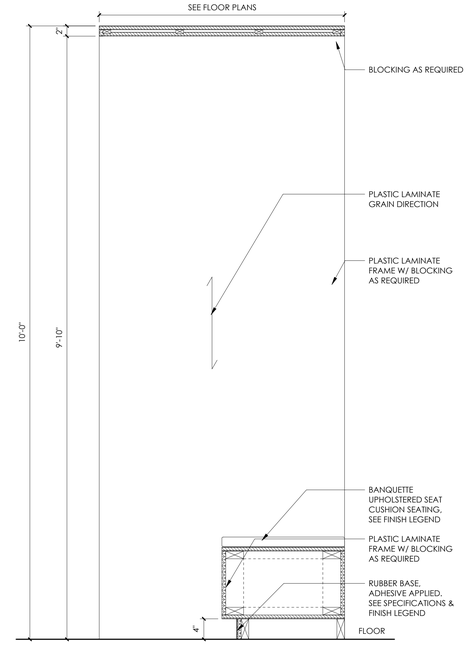
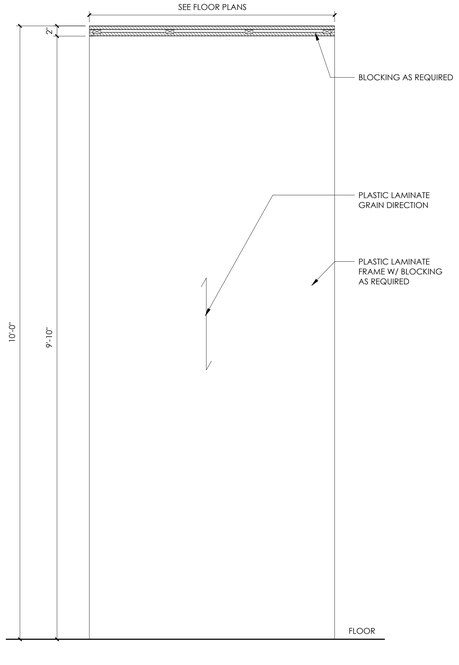


7 CABINET - BANQUETTE SEATING

1" = 1'-0" , DWG REF: A414



11 CABINET - PORTAL

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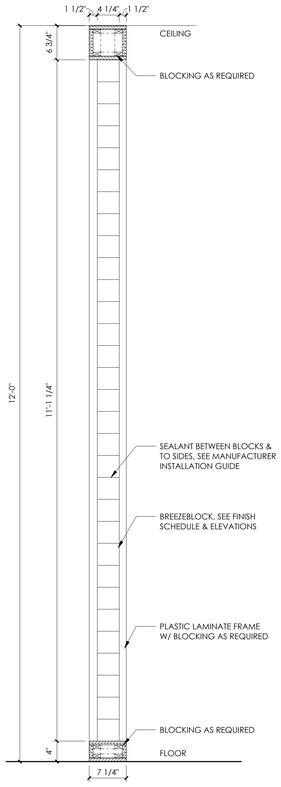
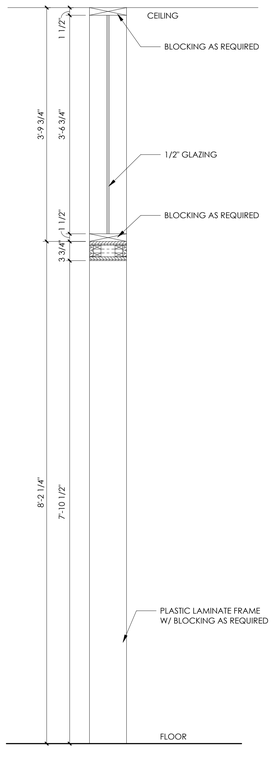


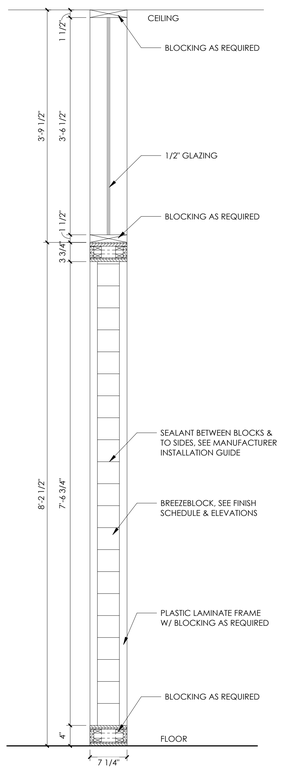
9 DLD - BREEZEBLOCK

1" = 1'-0" , DWG REF: A411



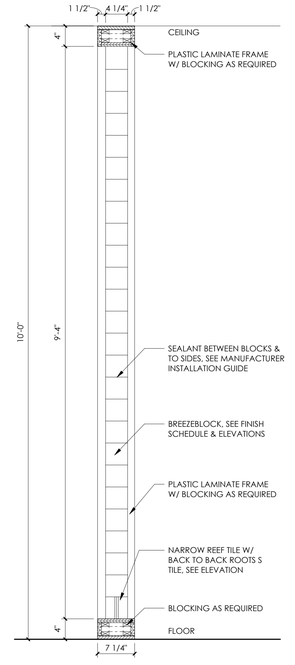
8 DMV - ENTRY

1" = 1'-0" ,



6 DMV - BREEZEBLOCK

1" = 1'-0" , DWG REF: A410



10 DWS & DHHS - BREEZELOCK

1" = 1'-0" , DWG REF: A412

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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - MILLWORK

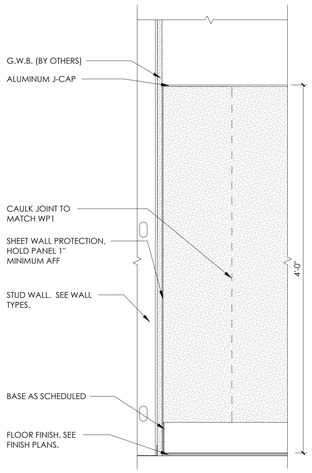
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

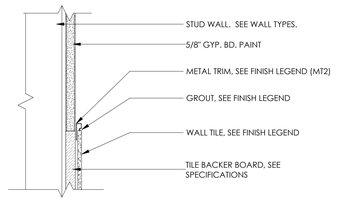
ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**Author**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

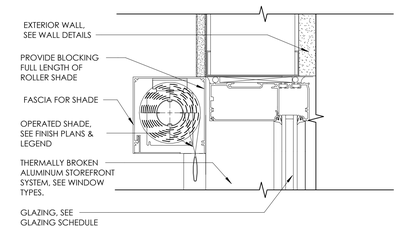
A572



13 WALL PROTECTION
1 1/2" = 1'-0" ,



12 TRANSITION - TILE TO GYPSUM
3" = 1'-0" , DWG REF: A413



11 ROLLER SHADE @ MULLION
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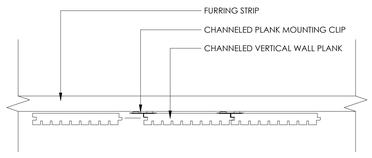
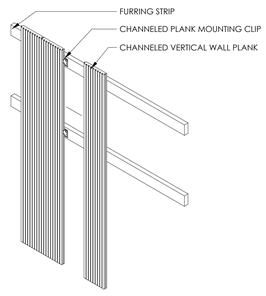


10 WOOD DETAIL 2
3" = 1'-0" , DWG REF: A414



9 WOOD WALL DETAIL 1
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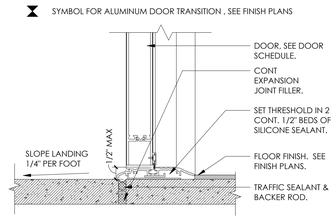

8 ALUMINUM THRESHOLD
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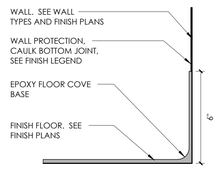
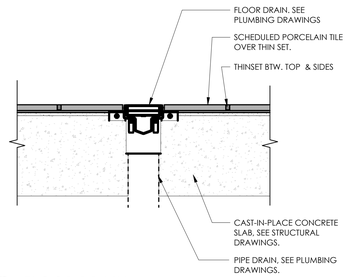


7 BASE - EPOXY COVE BASE
3" = 1'-0" ,



6 FLOOR DRAIN
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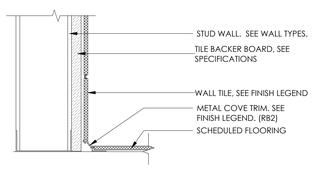
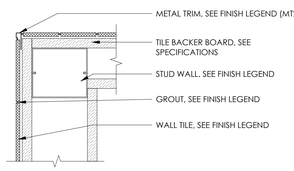
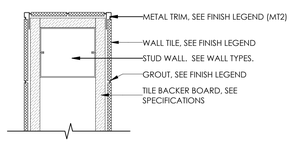


5 BASE - TILE - METAL COVE BASE1
3" = 1'-0" , DWG REF: A413



4 TILE TRANSITION CORNER
3" = 1'-0" ,



3 TILE TRANSITION OUTSIDE CORNER
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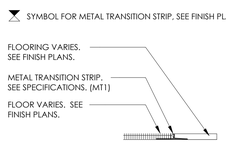

2 METAL TRANSITION STRIP
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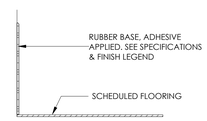

1 BASE - STRAIGHT EDGE RUBBER
3" = 1'-0" ,

5/26/2026 9:24:25 AM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSSETT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DETAILS - FINISHES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **HL**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

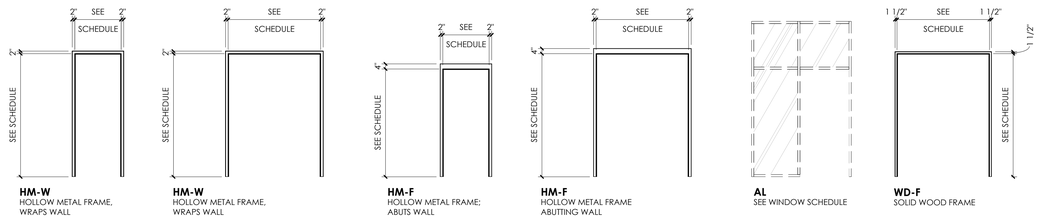
A580

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR FUNCTION	WIDTH	HEIGHT	PANEL TYPE	PANEL FINISH	PANEL GLASS LITE	FRAME TYPE	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL THRESHOLD	HARDWARE SET	FIRE RATING	ROOM	DEP.	COMMENT
COMMON																
500A		3'-0"	9'-0"	AL-WS			AL					3.0			COMMON	
500B		3'-0"	9'-0"	AL-WS			AL					3.0			COMMON	
500C		3'-0"	9'-0"	AL-WS			AL					5.0			COMMON	
500D		3'-0"	9'-0"	AL-WS			AL					5.0			COMMON	
501A		3'-0"	9'-0"	AL-WS			AL					4.0			COMMON	
501B	ACCESS CONTROL LOCK	3'-0"	9'-0"	AL-WS			AL					12.0			COMMON	
501C	TIMED FREE ACCESS	3'-0"	9'-0"	AL-WS			AL					1.0			COMMON	PIVOT
501D	ACCESS CONTROL LOCK	3'-0"	9'-0"	AL-WS			AL		3/A550	2/A550	1/A550	1.0			COMMON	PIVOT
502	PASSAGE	4'-0"	8'-0"	HM			HM-W		14/A532	13/A532		32.0	45 MIN	MECH	COMMON	
502B	PASSAGE	2'-2"	8'-0"	HM			HM-W		14/A532	13/A532		31.0		CHASE	COMMON	
503	PASSAGE	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		34.0		JC	COMMON	
504A	TURN LOCK WITH OCCUPANCY	4'-0"	9'-0"	HM			HM-W		3/A550	2/A550	1/A550	13.0		DFCM WORKSHOP	COMMON	
504B	PASSAGE	4'-0"	8'-0"	HM			HM-W		14/A532	13/A532		35.0		DFCM WORKSHOP	COMMON	
505	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		21.0		DFCM OFFICE	COMMON	
506	TURN LOCK WITH OCCUPANCY	3'-0"	9'-0"	HM			HM-W		3/A550	2/A550	1/A550	8.0		FIRE RISER	COMMON	PIVOT
507	ACCESS CONTROL LOCK	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		16.0		CORRIDOR	COMMON	
508	PUSH/PULL	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		30.0		WOMENS RR	COMMON	
509	PUSH/PULL	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		30.0		MENS RR	COMMON	
510A	STORAGE LOCK	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		11.0		ELEC	COMMON	
510B	STORAGE LOCK	4'-0"	8'-0"	HM			HM-W		3/A550	2/A550	1/A550	13.0		ELEC	COMMON	
511	PUSH/PULL	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		30.0		MENS RR	COMMON	
512	PUSH/PULL	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		30.0		WOMENS RR	COMMON	
513	PASSAGE	2'-2"	8'-0"	HM			HM-W		14/A532	13/A532		31.0		CHASE	COMMON	
514	ACCESS CONTROL LOCK	3'-0"	9'-0"	AL-WS			AL					2.0		EMPLOYEE LOUNGE	COMMON	PIVOT
515	PASSAGE	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		26.0		MED CONFERENCE	COMMON	
517	PASSAGE	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		26.0		CONFERENCE	COMMON	
520	PASSAGE	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		26.0		LARGE CONFERENCE	COMMON	
521	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		15.0		DTS OFFICE	COMMON	
522	PASSAGE	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		26.0		BREAKOUT ROOM	COMMON	
523	PASSAGE	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		26.0		BREAKOUT ROOM	COMMON	
524	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		24.0		MOTHERS ROOM	COMMON	
525	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		24.0		WELLNESS ROOM	COMMON	
526	ACCESS CONTROL LOCK	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		16.0		TELECOM	COMMON	
527	STORAGE LOCK	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		31.0		ELEC	COMMON	
528	ACCESS CONTROL LOCK	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		16.0		TELECOM	COMMON	
DHHS																
300A	STORAGE LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		29.0		LIVE SCAN	DHHS	
301A	TIMED HOURS	3'-0"	8'-0"	WD-FL			WD-F					9.0		WAITING AREA	DHHS	
301B	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		19.0		WAITING AREA	DHHS	
301C	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		10.0		WAITING AREA	DHHS	
302	PASSAGE	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		25.0		FAMILY VISIT ROOM	DHHS	
303	PASSAGE	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		25.0		FAMILY VISIT ROOM	DHHS	
303A	ACCESS CONTROL LOCK	3'-0"	9'-0"	AL-WS			AL					1.0		DHHS	DHHS	PIVOT
304	PASSAGE	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		25.0		FAMILY VISIT/CONFERENCE ROOM	DHHS	

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR FUNCTION	WIDTH	HEIGHT	PANEL TYPE	PANEL FINISH	PANEL GLASS LITE	FRAME TYPE	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL THRESHOLD	HARDWARE SET	FIRE RATING	ROOM	DEP.	COMMENT
305	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		23.0		FAMILY RESTROOM	DHHS	
306	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		31.0		STORAGE	DHHS	
306B	STORAGE LOCK	2'-2"	8'-0"	HM			HM-W		14/A532	13/A532		20.0		CHASE	DHHS	
308	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		FACILITIES COORD	DHHS	
309	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		17.0		AG SUITE	DHHS	
310	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		ASSISTANT ATTORNEY GENERAL	DHHS	
311	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		ORS	DHHS	
312	ACCESS CONTROL LOCK	3'-0"	9'-0"	AL-WS			AL					2.0		1" IGU	DHHS	
313	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		HEALTH PROGRAM COORD	DHHS	
314	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		HEALTH PROGRAM COORD	DHHS	
315	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		SENIOR RN	DHHS	
316	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		PROGRAM ADMIN	DHHS	
317	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		PROGRAM MANAGER	DHHS	
318	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		GROWTH	DHHS	
319	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		GROWTH	DHHS	
320	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		GROWTH	DHHS	
321	PASSAGE	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		26.0		WORK ROOM	DHHS	
DLD																
200	TIMED HOURS	3'-0"	8'-0"	PWD-FL			WD-F					14.0		SET 14.0	DLD	MAG-HOLD, REMOTE RELEASE
201	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		16.0		WAITING ROOM	DLD	
202	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		TELEWORK OFFICE	DLD	
204	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		MANAGER	DLD	
205	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD-FL			HM-W		14/A532	13/A532		17.1		LOCKER	DLD	
206	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		SUPERVISOR	DLD	
207	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		ASSISTANT SUPERVISOR	DLD	
208	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		18.0		CASH ROOM	DLD	
209	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		HEARING OFFICE	DLD	
DMV																
100A	TIMED HOURS	3'-0"	8'-0"	AL-WS			AL					6.1		SET xxx	DMV	
100B	TIMED HOURS	3'-0"	8'-0"	AL-WS			AL					6.0		DMV ENTRY	DMV	NO PULL ON ENTRY SIDE
100C	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		16.1		WAITING ROOM	DMV	
102	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		COUNTING	DMV	
103	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		18.0		SAFE	DMV	
104	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		MANAGER	DMV	
105	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		16.0		STATIONS	DMV	
106	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		DEALER / TEST ROOM	DMV	
DWS																
400	STORAGE LOCK	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		28.0		TESTING ROOM	DWS	
401	ACCESS CONTROL LOCK	3'-0"	8'-0"	WD-FL			WD-F					9.0		WAITING ROOM	DWS	
402	PASSAGE	3'-0"	8'-0"	HM			HM-W		14/A532	13/A532		31.0		STORAGE	DWS	
403	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		MANAGER	DWS	
404	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		SUPERVISOR	DWS	
406	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		VR COUNSELOR	DWS	
407	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		VR COUNSELOR	DWS	
408	TURN LOCK WITH OCCUPANCY	3'-0"	8'-0"	WD			HM-W		14/A532	13/A532		21.0		VR COUNSELOR	DWS	
409	TIMED HOURS	3'-0"	9'-0"	AL-WS			AL					2.0		2.0	DWS	PIVOT



HM-W
HOLLOW METAL FRAME, WRAPS WALL

HM-W
HOLLOW METAL FRAME, WRAPS WALL

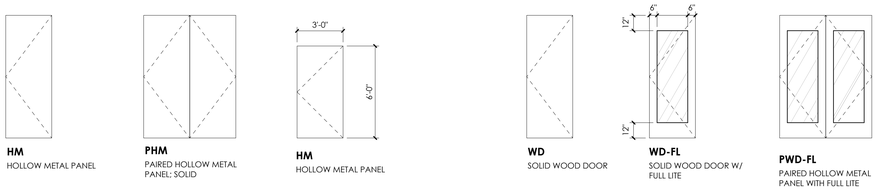
HM-F
HOLLOW METAL FRAME; ABUTS WALL

HM-F
HOLLOW METAL FRAME ABUTTING WALL

AL
SEE WINDOW SCHEDULE

WD-F
SOLID WOOD FRAME

4 -LEGEND - FRAME TYPES
1/4" = 1'-0" ,



HM
HOLLOW METAL PANEL

PHM
PAIRED HOLLOW METAL PANEL; SOLID

HM
HOLLOW METAL PANEL

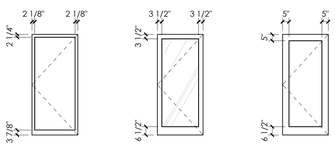
WD
SOLID WOOD DOOR

WD-FL
SOLID WOOD DOOR W/ FULL LITE

PWD-FL
PAIRED HOLLOW METAL PANEL WITH FULL LITE

3 LEGEND - DOOR TYPES - HOLLOW METAL PANELS
1/4" = 1'-0" ,

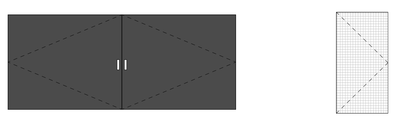
2 LEGEND - DOOR TYPES - WOOD PANELS
1/4" = 1'-0" ,



AL-NS
NARROW STILE GLAZED ENTRY DOOR

AL-WS
MEDIUM STILE GLAZED ENTRY DOOR

AL-WS
WIDE STILE GLAZED ENTRY DOOR



DGD
DOUBLE GATE DOOR. METAL PANEL. PREFINISHED.

GD
PATIO DOOR. PERFORATED METAL MESH. PREFINISHED.

1 LEGEND - DOOR TYPES - ALUMINUM ENTRY PANELS
1/4" = 1'-0" ,

5 LEGEND - GATE DOOR TYPES
1/4" = 1'-0" ,

GATE SCHEDULE

DOOR NO.	DOOR FUNCTION	WIDTH	HEIGHT	PANEL TYPE	PANEL FINISH	PANEL GLASS LITE	FRAME TYPE	FRAME FINISH	HARDWARE SET	CARD READER	ADA ACTUATOR	CARD READER FUNCTIONALITY	KEYED	FIRE RATING	ROOM	COMMENT
GATE																
01	LOCKPAD	18'-0"	8'-6"	DGD	PT7	N/A		PT7	36.0	No	No		No		TRASH ENCLOSURE	EXTERIOR GATE
19	PASSAGE	4'-0"	7'-6"	GD					36.0	No	No		Yes		CONE STORAGE	EXTERIOR GATE

1. BASIS OF DESIGN INDICATED BELOW, SEE SPECIFICATIONS. SUBSTITUTIONS MUST BE APPROVED BY ARCHITECT.
2. NOTE: CONTRACTOR AND DOOR SUPPLIER TO COORDINATE DOOR UNDER-CUTS WITH MECHANICAL DRAWINGS FOR ADEQUATE VENTILATION.
3. DOOR HARDWARE SHALL MEET THE REQUIREMENTS OF IBC 1010.1.9.1. HARDWARE SHALL NOT REQUIRE PINCHING, TIGHT GRASPING, OR TWISTING OF THE WRIST IN ORDER TO OPERATE.
4. FIELD VERIFY ALL DOOR OPENINGS AND CLEARANCES PRIOR TO DOOR FABRICATION AND INSTALLATION.
5. VERIFY ALL THROAT WIDTHS OF FRAMES WITH WALL TYPES AS INDICATED ON PLAN DRAWINGS.
6. REFER TO SPECIFICATION FOR DOOR HARDWARE SETS.
7. REFER TO FINISH SCHEDULE FOR DOOR AND FRAME FINISH DESCRIPTIONS

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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DOOR SCHEDULE & LEGEND

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A600

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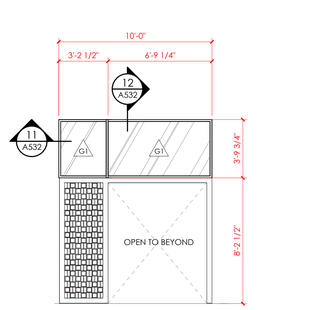
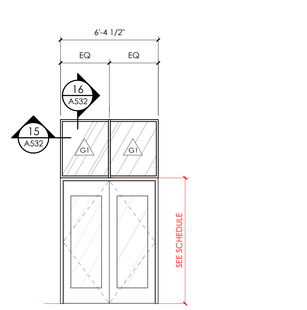
GLAZING TYPES

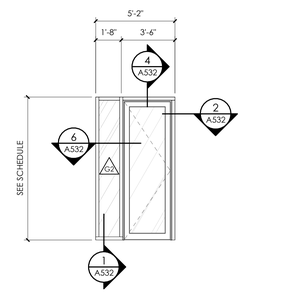
SYM	DESCRIPTION
G1	MONOLITHIC GLAZING
G2	MONOLITHIC GLAZING - TEMPERED
IG1	INSULATED GLAZING UNIT
IG2	INSULATED GLAZING UNIT - TEMPERED
SP1	SPANDREL GLASS



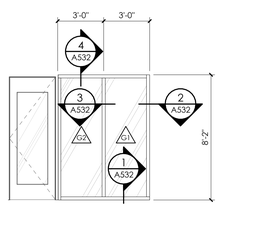
IW2 INTERIOR WOOD FRAMED WINDOW
WOOD FRAME TO MATCH SPECIES AND FINISH OF WOOD DOOR



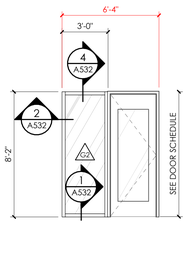
IW1 INTERIOR WOOD FRAMED WINDOW
WOOD FRAME TO MATCH SPECIES AND FINISH OF WOOD DOOR



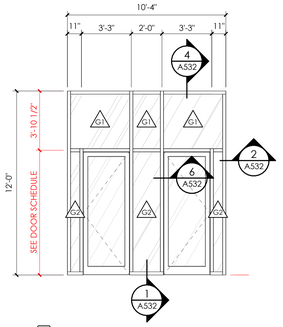
IS6 INTERIOR CURTAINWALL SYSTEM
KAWNEER DARK BRONZE



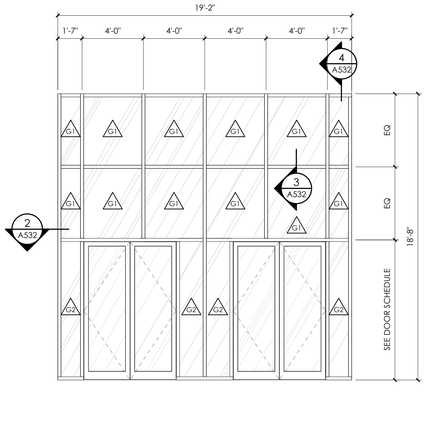
IS4 INTERIOR STOREFRONT SYSTEM
KAWNEER PERMAFLOUR BONE WHITE



IS3 INTERIOR STOREFRONT SYSTEM
KAWNEER PERMAFLOUR BONE WHITE



IS2 INTERIOR STOREFRONT SYSTEM
KAWNEER DARK BRONZE



C1 INTERIOR CURTAINWALL SYSTEM
KAWNEER DARK BRONZE

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSSETT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WINDOW TYPES - INTERIOR

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A611

GLAZING TYPES	
SYM	DESCRIPTION
G1	MONOLITHIC GLAZING
G2	MONOLITHIC GLAZING - TEMPERED
IG1	INSULATED GLAZING UNIT
IG2	INSULATED GLAZING UNIT - TEMPERED
SP1	SPANDREL GLASS

FENESTRATION PERFORMANCE:

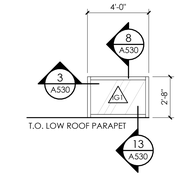
ALL EXTERIOR FENESTRATION PRODUCTS, INCLUDING WINDOWS, STOREFRONT SYSTEMS, CURTAIN WALL SYSTEMS, AND GLAZED DOORS, SHALL BE TESTED, LABELED, AND CERTIFIED IN ACCORDANCE WITH NATIONAL FENESTRATION RATING COUNCIL (NFRC) PROCEDURES.

PROVIDE NFRC-CERTIFIED U-FACTOR, SOLAR HEAT GAIN COEFFICIENT (SHGC), AND VISIBLE TRANSMITTANCE (VT) VALUES FOR ALL FENESTRATION PRODUCTS. LABELS OR CERTIFICATES SHALL BE PROVIDED WITH PRODUCT SUBMITTALS AND VERIFIED PRIOR TO INSTALLATION.

COMPLY WITH 2021 IECC SECTION C303.1.3.

ALL EXTERIOR FENESTRATION PRODUCTS, INCLUDING WINDOWS, STOREFRONT SYSTEMS, CURTAIN WALL SYSTEMS, AND DOORS, SHALL BE TESTED AND LABELED AS MEETING AIR LEAKAGE REQUIREMENTS IN ACCORDANCE WITH 2021 IECC SECTION C402.5.4.

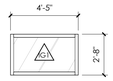
PROVIDE MANUFACTURER DOCUMENTATION VERIFYING COMPLIANCE WITH AIR LEAKAGE PERFORMANCE REQUIREMENTS.



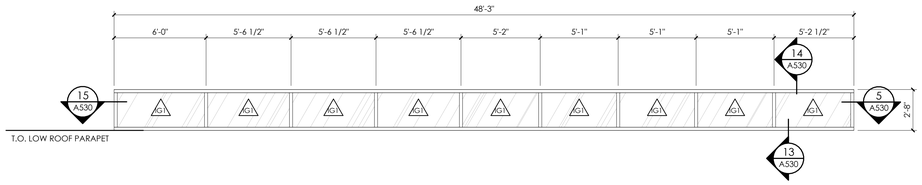
S9 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE



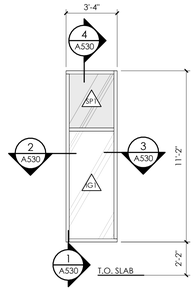
S10 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE



S11 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE



S11 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE



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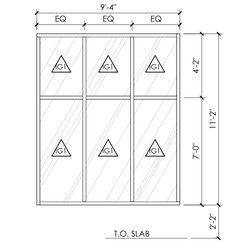
KAWNEER DARK BRONZE



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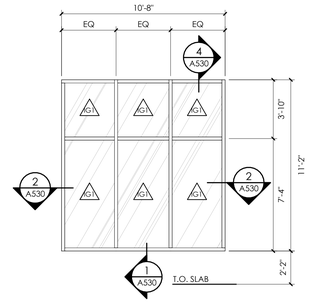
KAWNEER DARK BRONZE



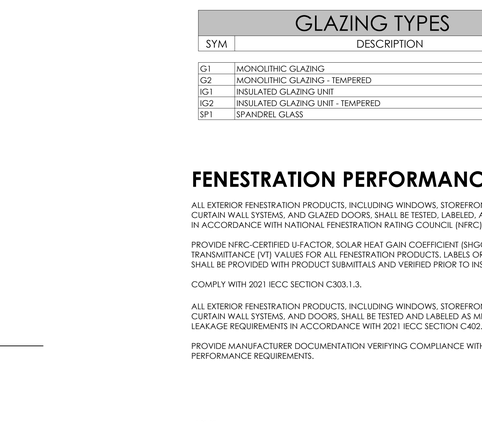
S4 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE

S3 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE

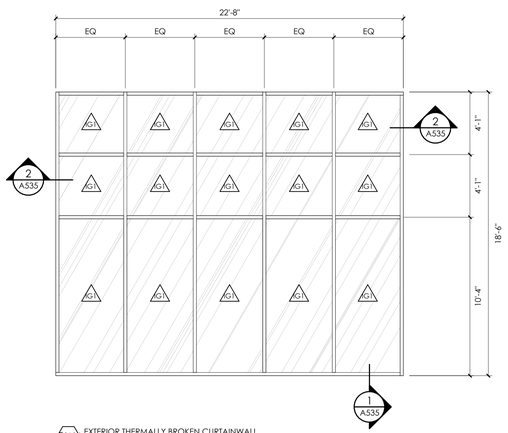
S2 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE

S1 EXTERIOR THERMALLY BROKEN STOREFRONT
KAWNEER DARK BRONZE

CW8 EXTERIOR THERMALLY BROKEN CURTAINWALL
KAWNEER DARK BRONZE



CW EXTERIOR THERMALLY BROKEN CURTAINWALL
KAWNEER DARK BRONZE



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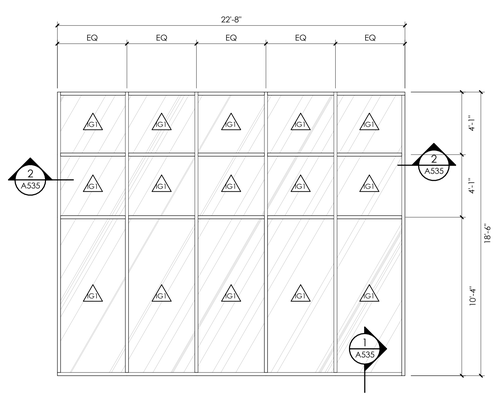
KAWNEER DARK BRONZE



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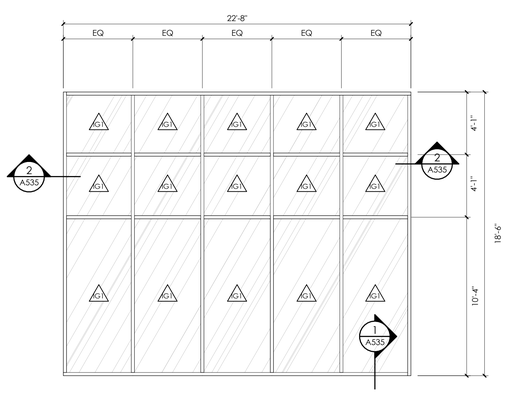

CW EXTERIOR THERMALLY BROKEN CURTAINWALL
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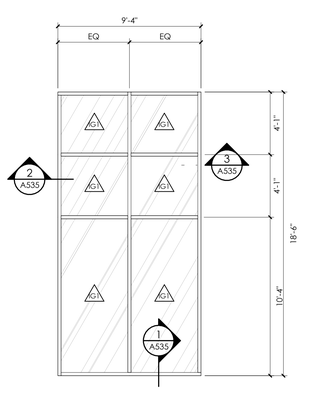

CW EXTERIOR THERMALLY BROKEN CURTAINWALL
KAWNEER DARK BRONZE

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WINDOW TYPES - EXTERIOR

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DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A612

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW 5/26/2026 9:24:41 AM BUILDING.rvt

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BASIS OF DESIGN INDICATED BELOW. SEE SPECIFICATIONS FOR FURTHER INFORMATION ON ALL FINISH ITEMS. SUBSTITUTIONS MUST BE APPROVED BY ARCHITECT.

FINISH LEGEND1

SPEC	SPEC CLASSIFICATION	FINISH TAG	MANF	PRODUCT TYPE	PRODUCT SIZE	PRODUCT TEXTURE	COLOR	COMMENTS
06 - WOOD & PLASTIC PRODUCTS	CABINET PULLS	PU1	MOCKETT	DP268 SERIES - KNURLED DRAWER PULL	7 5/32"	FACTORY	ANODIZED BLACK	
06 - WOOD & PLASTIC PRODUCTS	PLASTIC LAMINATE	PL1	WILSONART	PLASTIC LAMINATE	4'X8'	TIMBERGRAIN FINISH	WHITE OAK PB NATURAL	
06 - WOOD & PLASTIC PRODUCTS	WALL PROTECTION	WP1	CS ACROVYN	.040 SHEET WALL PROTECTION	4'W X8'L	SUEDE	PEARL #934	INSTALL: HALF HEIGHT 48" AFF, HOLD 1" AFF, ALUMINUM J-CAP. SEE FINISH DETAILS. SEE FINISH PLANS FOR LOCATIONS
06 - WOOD & PLASTIC PRODUCTS	WOOD WALL	WW1	ARMSTRONG CEILING	WOODWORKS CHANNELED WALLS	5.553"x120"	W9	MAPLE	SEE ELEVATIONS
08 - GLAZING	BULLET RESISTANT GLASS	SG1	TBD	TBD	TBD	TBD	TBD	
09 - FINISHES	RUBBER BASE	RB1	TARKETT	JOHNSONITE MILLWORK BASE	4" HIGH	FACTORY	TBD	
09 - FINISHES	METAL COVE BASE	RB2	FRY REGLET	CURVED INSIDE CORNER	TBD	TBD	TBD	
09 - FINISHES	COVE BASE	RB3	STONHARD	STONGARD MD	6" HIGH	FACTORY	TBD	
09 - FINISHES	ACOUSTIC CEILING TILE	ACT1	ARMSTRONG CEILING	ULTIMA LAY-IN	24"x24", 9/16" SUPRAFINE XL GRID	FACTORY	TILE COLOR: WHITE, GRID COLOR: WHITE	
09 - FINISHES	BAFFLE CEILING	BC1	FILZFELT	AKUSTIKA 25 BAFFLE	SEE RCP FOR LENGTH X 1'-6"D	FACTORY	102 KIRSCHE	SEE RCP FOR PLACEMENT & BAFFLE LENGTH
09 - FINISHES	BAFFLE CEILING	BC2	FILZFELT	AKUSTIKA 10 SUSPENDED	4'X4'	FACTORY	100 WOLLWEI	SEE RCP FOR PLACEMENT
09 - FINISHES	BAFFLE CEILING	BC3	FILZFELT	AKUSTIKA 10 SUSPENDED	SEE CEILING PLAN	FACTORY	100 WOLLWEI	SEE RCP FOR PLACEMENT AND LENGTH
09 - FINISHES	GYPSUM WALL BOARD	GYP1	TBD	-	-	-	TBD	
09 - FINISHES	WOOD CEILING	WC1	ARMSTRONG CEILING	WOODWORKS CHANNELED PLANKS	5.553"X120"	W9	MAPLE	ARMSTRONG WOOD TRIM @ EXPOSED EDGES, SEE CEILING DETAILS
09 - FINISHES	CARPET TILE	CPT1	SHAW CONTRACT	STONEWORK TILE 5T484	24"X24"	FACTORY	CLAY 84506	
09 - FINISHES	CARPET TILE	CPT2	SHAW CONTRACT	PIERRE TILE	24"X24"	FACTORY	ESTATE 31850	
09 - FINISHES	CARPET TILE	CPT3	SHAW CONTRACT	JACKSON TILE 5T626	24"X24"	FACTORY	HAPPY HOLIDAY 24688	
09 - FINISHES	EPOXY FLOOR	EF1	STONHARD	STONGARD MD	SEE FINISH PLANS	FACTORY	TBD	
09 - FINISHES	SEALED CONCRETE	SC1	TBD	TBD	TBD	TBD	TBD	
09 - FINISHES	TILE FLOORING	TL1	TILEBAR	HIKARI	48"X48"	MATTE	PAPER CREAM	
09 - FINISHES	TILE FLOORING	TL2	TILEBAR	HIKARI	48"X48"	MATTE	FRAME PAPER CREAM	SEE FINISH PLANS FOR LOCATIONS
09 - FINISHES	TILE FLOORING	TL3	WOW TILE	ROOTS	L 8.6"X8.6", M 8.6"X4.3", S 4.3"X4.3"	FACTORY	SAND (L 8.6"X8.6", M 8.6"X4.3') COTTO (S 4.3"X4.3')	SEE FLOOR PATTERN
09 - FINISHES	WALK OFF MAT	WOM1	MOHAWK GROUP	STEP UP II GT311	24"X24"	FACTORY	IRON ORE 983	
09 - FINISHES	METAL TRANSITION	MT1	SCHLUTER	SCHLUTER-®-RENO-TK	TBD	FACTORY	TBD	SEE FLOOR TRANSITION DETAILS
09 - FINISHES	METAL TRANSITION	MT2	SCHLUTER	SCHLUTER-JOLLY	TBD	FACTORY	TBD	SEE TILE TRANSITION DETAILS
09 - FINISHES	BREEZEBLOCK	BB1	WOW TILE	REEF, NARROW REEF, ROOTS	REEF - 4.3"x4.3"x4.3", NARROW REEF - 4.3"X4.3"X1.8", ROOTS S -4.3"X4.3"	FACTORY	REEF & NARROW REEF -SAND, ROOTS S - COTTO	SEE ELEVATIONS AND FINISH DETAILS
09 - FINISHES	GENERAL PAINT	PT1	SHERWIN WILLIAMS		-	EGGSHELL	PEARLY WHITE SW7009	
09 - FINISHES	TRIM PAINT	PT2	SHERWIN WILLIAMS		-	SEMI GLOSS	PEARLY WHITE SW7009	
09 - FINISHES	CEILING PAINT	PT3	SHERWIN WILLIAMS		-	DRYFALL	PEARLY WHITE SW7009	
09 - FINISHES	EPOXY PAINT	PT4	SHERWIN WILLIAMS		-	SEMI GLOSS	ROOKWOOD DARK RED SW801	
09 - FINISHES	ACCENT PAINT	PT5	SHERWIN WILLIAMS		-	EGGSHELL	GREEN EARTH SW7748	
09 - FINISHES	WALLCOVERING	WC1	MOMENTUM TEXTILES	WALLCOVERING WANDER WC	52" ROLL	-	T2-WD-08 BURGUNDY	
09 - FINISHES	WALL TILE	WT1	FIRECLAY TILE	ORIGINAL CERAMIC	4"X4" , 4" X12"	MATTE	REDWOOD	SEE FINISH PLAN FOR LOCATIONS, SEE ELEVATIONS FOR PATTERN
09 - FINISHES	WALL ACCENT TILE	WT2	THE TILE DISTRICT	STAR & CROSS 6"X6"	6"X6"	CLEAR SEALED	CLEAR SEALED	SEE FINISH PLAN FOR LOCATIONS, SEE ELEVATIONS FOR PATTERN
10 - SPECIALTIES	TOILET PARTITION	TP1	BOBRICK	EVOLVE CUBICLE	TBD	TBD	TBD	
10 - SPECIALTIES	WINDOW FILM	WF1	DECORATIVE FILMS -SOLYX	SXJ-0579 DUAL CLOUD GRADIENT	60" ROLL	-	-	
12 - FURNISHINGS	COUNTERTOP	SS1	WILSONART	QUARTZ	TBD	FACTORY	BREGAVA	
12 - FURNISHINGS	UPHOLSTERY	UP1	WOLF GORDON	CRISS CROSS	54"	-	GARNET	
12 - FURNISHINGS	WINDOW SHADE	WS1	MECHO SHADE	MECHO 5 MANUAL SHADE	SEE WINDOW SCHEDULE	5% OPEN ECOVEIL	TBD	
12 - FURNISHINGS	WINDOW SHADE	WS2	MECHO SHADE	ELCTROSHADE®	SEE WINDOW SCHEDULE	5% OPEN ECOVEIL	TBD	

ACCESSORIES SCHEDULE

ITEM	MANUF	MODEL #	REMARKS	SPEC SECTION
PAPER TOWEL DISPENSER	GEORGIA-PACIFIC	GP PRO ENMOTION 8" AUTOMATED TOUCHLESS ROLL TOWEL DISPENSER 59462A (BLACK)	BLOCKING AS REQUIRED	102800
TOILET PAPER DISPENSER	BOBRICK	B-540,MBLK SURFACE-MOUNTED TOILET TISSUE DISPENSER & UTILITY SHELF, MATTE BLACK	LOCATED IN GANGED RESTROOM STAILS	102800
BABY CHANGING TABLE	BOBRICK	KOALA KB310-SSRE-MBLK HORIZONTAL STAINLESS STEEL RECESSED-MOUNTED, MATTE BLACK	BLOCKING AS REQUIRED	102800
LED MIRROR	BOBRICK	B-167 2436,MBLK LED BACKLIT MIRROR (OUTER ETCHED MATTE BLACK FRAME)	LOCATED IN RESTROOMS & MOTHERS ROOM	102800
GRAB BARS	BOBRICK	MBLK FINO COLLECTION STRAIGHT GRAB BAR, MATTE BLACK		102800
LOCKERS	ASI	LOCKER ARRAY PHENOLIC ASI TRADITIONAL, Z-LOCKERS		102800
SANITARY DISPOSAL	BOBRICK	B-9254,MBLK SURFACE-MOUNTED SANITARY DISPOSAL,MATTE BLACK	LOCATED IN UNISEX RESTROOM &ADA STALL	102800
SEAT COVER DISPENSER	BOBRICK	B-9221,MBLK SURFACE-MOUNTEDSEAT-COVER DISPENSER, MATTE BLACK	ABOVE EACH TOILET	102800
WASTE RECEPTACLE	BOBRICK	SURFACE-MOUNTED WASTE RECEPTACLE, FINO COLLECTION, MATTE BLACK, 6 GALLON	BLOCKING AS REQUIRED	102800
SOAP DISPENSER	GOJO®	MODEL #GOJ515506,FMX-12™ DISPENSER PUSH-STYLE	BLOCKING AS REQUIRED	102800

APPLIANCE SCHEDULE

PRODUCT	MANUFACTURER	CFCI	LOCATION
33-INCH WIDE BOTTOM-FREEZE REFRIGERATOR - 22 cu. ft. WRB322DMHV	WHIRLPOOL	YES	EMPLOYEE LOUNGE
2.2 cu. ft. SENSOR COOKING MICROWAVE WMCS7024RZ	WHIRLPOOL	YES	EMPLOYEE LOUNGE
HOSHIZAKI DKM-500BAJ AIR COOLED CRESCENT ICE DISPENSER	EASY ICE	YES	EMPLOYEE LOUNGE
24 " WIDE UNDERCOUNTER REFRIGERATOR- 5.1 cu. ft.	WHIRLPOOL	YES	MOTHERS ROOM

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:24:45 AM
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FINISH & ACCESSORY SCHEDULE

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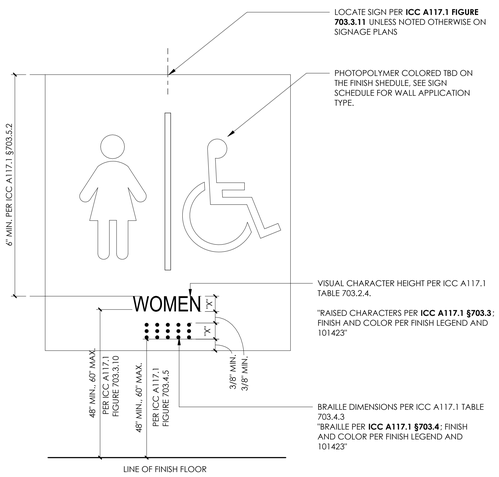
A620



2 BASIS OF DESIGN FOR SIGN 'A' THROUGH 'K'

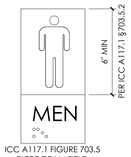
6" = 1'-0" ,



ICC A117.1 FIGURE 703.6.3.3
INTERNATIONAL SYMBOL FOR ACCESS FOR HEARING LOSS



ICC A117.1 FIGURE 703.6.3.1
INTERNATIONAL SYMBOL OF ACCESSIBILITY



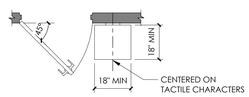
ICC A117.1 FIGURE 703.5
PICTOGRAM FIELD



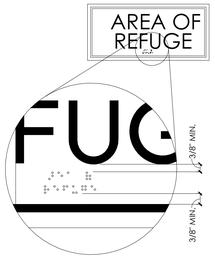
ICC A117.1 FIGURE 703.6.3.4
VOLUME-CONTROLLED TELEPHONE



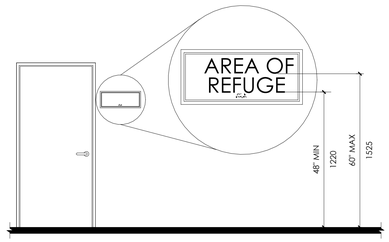
ICC A117.1 FIGURE 703.6.3.2
INTERNATIONAL TELETYPE (TTY) SYMBOL



ICC A117.1 FIGURE 703.3.11
LOCATION OF SIGNS AT DOORS



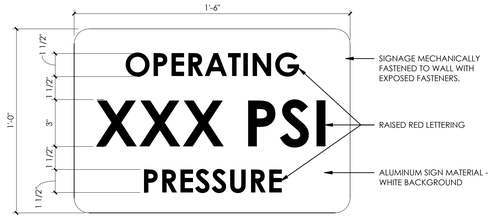
ICC A117.1 FIGURE 703.4.4
POSITION OF BRAILLE

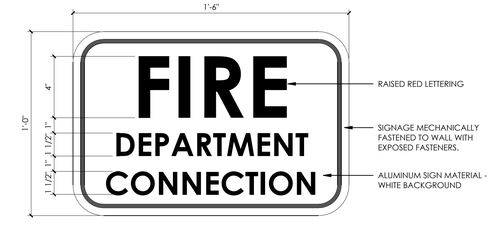


ICC A117.1 FIGURE 703.3.10
HEIGHT OF RAISED CHARACTERS ABOVE FLOOR

3 CODE SIGN REQUIREMENTS

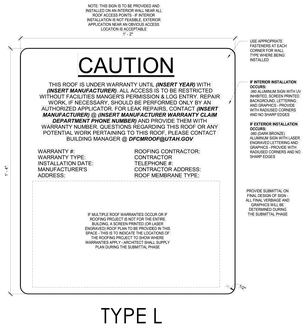
1 1/2" = 1'-0" ,



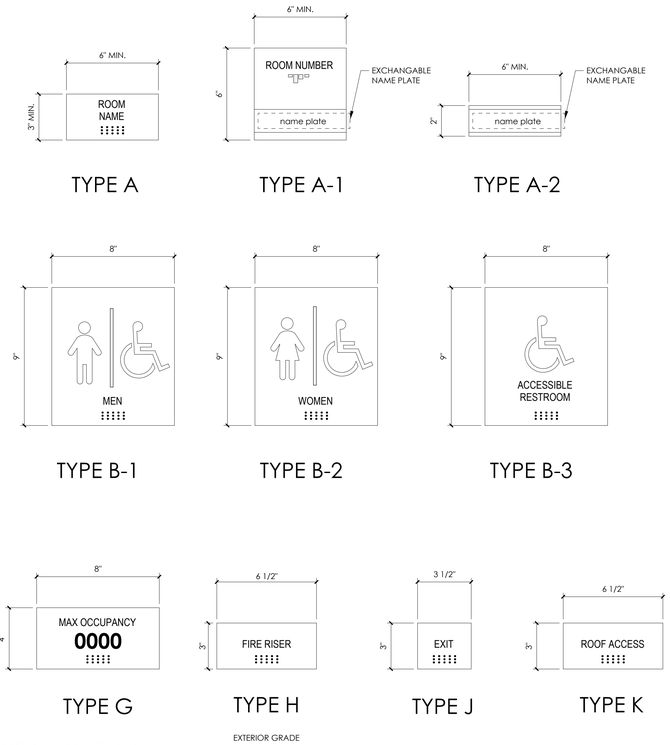


TYPE FDC

EXTERIOR GRADE



TYPE L



EXTERIOR GRADE

1 CODE SIGN TYPES

3" = 1'-0" ,

SIGN REQUIREMENTS

#1. SIGN LOCATIONS SHALL COMPLY WITH **ICC A117.1 §703.3.11**.

#2. INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL COMPLY WITH **ICC A117.1 §703.1 GENERAL, §703.2 VISUAL CHARACTERS, AND §703.3 RAISED CHARACTERS**. EXTERIOR SIGNS THAT ARE NOT LOCATED AT THE DOOR TO THE SPACE THEY SERVE SHALL NOT BE REQUIRED TO COMPLY WITH **§ 703.3 RAISED CHARACTERS**.

#3. WHERE PICTOGRAMS ARE PROVIDED AS DESIGNATIONS OF PERMANENT INTERIOR ROOMS AND SPACES, THE PICTOGRAMS SHALL COMPLY WITH **ICC A117.1 §703.5 PICTOGRAMS** AND SHALL HAVE TEXT DESCRIPTORS COMPLYING WITH **§ 703.2 VISUAL CHARACTERS** AND **§ 703.3 RAISED CHARACTERS**.

#4. BRAILLE SHALL COMPLY WITH **ICC A117.1 §703.4 BRAILLE**. BRAILLE MOUNTING HEIGHT SHALL COMPLY WITH **§ 703.4.5 MOUNTING HEIGHT**.

INTERNATIONAL SYMBOL OF ACCESSIBILITY

#1. INTERNATIONAL SYMBOLS OF ACCESSIBILITY, TEXT TELEPHONE, OR ACCESS FOR HEARING LOSS SHALL COMPLY WITH **ICC A117.1 FIGURES 703.6.3.1 THROUGH 703.6.3.4** AND SHALL IDENTIFY REQUIRED ACCESSIBLE ELEMENTS AT LOCATIONS PER **IBC §1112.1 SIGNS**.

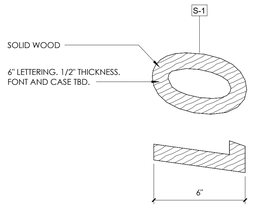
CODE SIGNAGE SCHEDULE

SIGN TYPE	ROOM #	SIGN TEXT	MATERIAL	COLOR	FONT	CASE	MOUNTING TYPE
A-1	317	PROGRAM MANAGER	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	316	PROGRAM ADMINISTRATOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	315	SENIOR RN	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	314	HEALTH COORDINATOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	313	HEALTH COORDINATOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	403	MANAGER	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	404	SUPERVISOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	406	VR COUNSELOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	407	VR COUNSELOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	408	VR COUNSELOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	207	ASSISTANT SUPERVISOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	206	SUPERVISOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	204	MANAGER	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	104	MANAGER	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	MOUNTED ON GLAZING, BACKER BOARD REQUIRED
A-1	405	ETS INSTRUCTOR	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
A-2	312	NAME PLATE	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
A-2	312	NAME PLATE	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
A-2	409	NAME PLATE	BACK-PAINTED ACRYLIC	TBD - SELECT FROM STANDARD	ARIAL NARROW	UPPER	TBD

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:24:56 AM

ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE, OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. VISUAL CONTACT WITH THESE DRAWINGS OR ANY PART THEREOF SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BETWEEN CONDITIONS SHOWN ON THE DRAWINGS AND THE ACTUAL CONDITIONS ON THE JOB. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY AND ALL MISALIGNMENTS. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN. ANY MISINTERPRETATION OR MISAPPROPRIATION IN VIOLATION OF 17 U.S.C.§ 2-3-1 ET. SEQ. AND OTHER LAWS.

TYPE S-1



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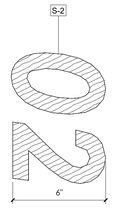
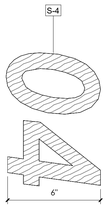


TYPE S-3



TYPE S-4



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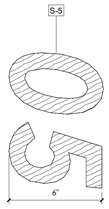

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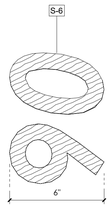
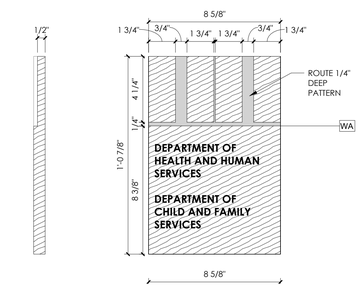


9 STATION SIGNAGE TYPES
3" = 1'-0" ,

WAYFINDING SIGNAGE SCHEDULE						
SIGN TYPE	ROOM #	SIGN TEXT	MATERIAL	FONT	CASE	MOUNTING TYPE
WA	301	DEPARTMENT OF HEALTH AND HUMAN SERVICES	SOLID WHITE OAK	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
WB	200	DRIVER'S LICENSE DIVISION	SOLID WHITE OAK	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
WC		DEPARTMENT OF MOTOR VEHICLES	SOLID WHITE OAK	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
WD	409	DEPARTMENT WORKFORCE SERVICES	SOLID WHITE OAK	ARIAL NARROW	UPPER	ONE-SIDED WALL MOUNT WITH TAPE ADHESIVE
WE	501.A	SEE ELEVATION	SOLID PLYWOOD	ARIAL NARROW	UPPER	TBD

STATION SIGNAGE SCHEDULE						
SIGN TYPE	ROOM #	SIGN TEXT	MATERIAL	FONT	CASE	MOUNTING TYPE
S-1	210	01	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-1	105	01	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-2	210	02	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-2	105	02	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-3	210	03	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-3	105	03	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-4	210	04	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-4	105	04	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-5	210	05	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-5	105	05	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER
S-6	210	06	SOLID WHITE OAK	ARIAL NARROW, ITALIC	UPPER	FASTENER

TYPE WA



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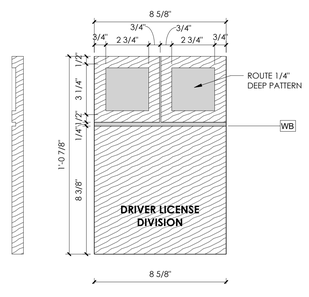

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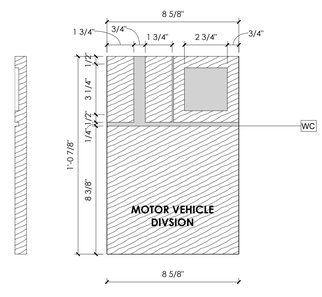

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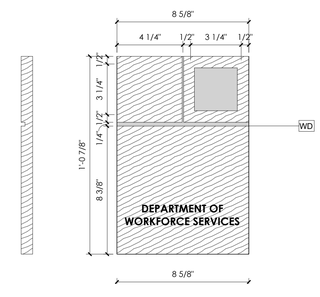
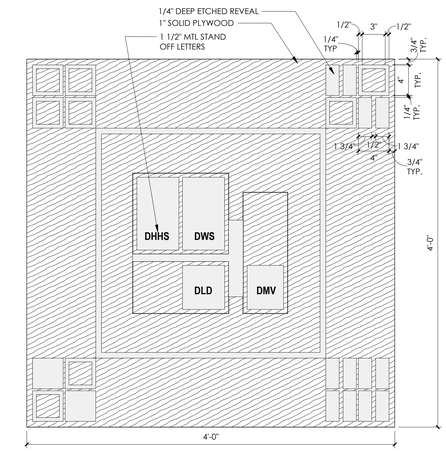
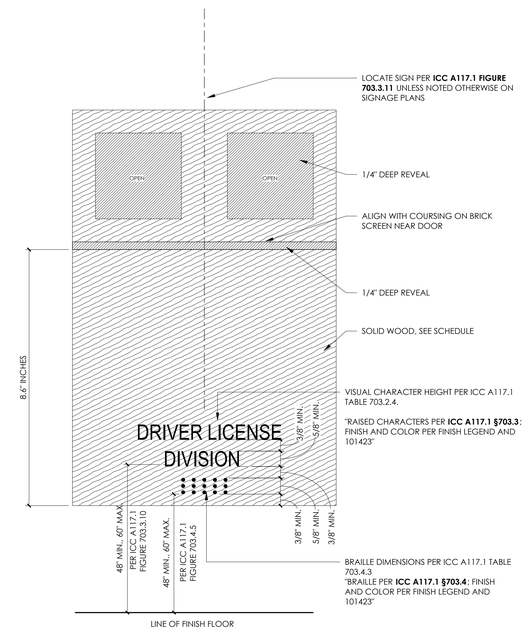


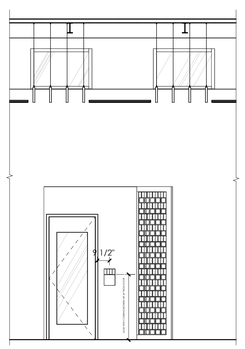
7 WAYFINDING SIGNAGE TYPES
3" = 1'-0" ,



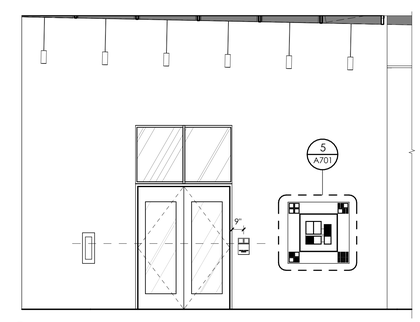
5 WE - BUILDING SIGN ELEVATION
1 1/2" = 1'-0" , DWG REF: A701



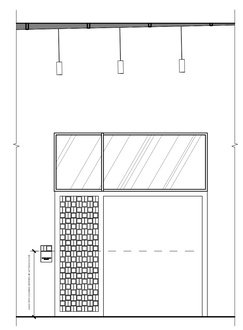
6 BASIS OF DESIGN FOR TYPE "WA" THROUGH "WD"
6" = 1'-0" ,



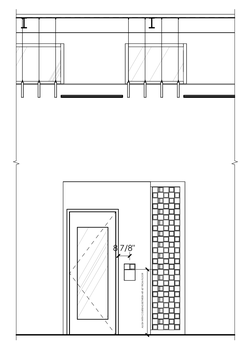
1 SIGNAGE ELEVATION - DHHS
1/4" = 1'-0" ,



2 SIGNAGE ELEVATION - DLD
1/4" = 1'-0" ,



3 SIGNAGE ELEVATION - DMV
1/4" = 1'-0" ,



4 SIGNAGE ELEVATION - DWS
1/4" = 1'-0" ,

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

WAYFINDING AND STATION SIGN SCHEDULE, TYPES, DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A701



1 **SIGNAGE PLAN**
1/8" = 1'-0", DWG REF: A200

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

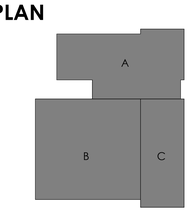
DO NOT SCALE DRAWINGS.

CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

THIS IS A REFLECTED CEILING PLAN AND IS NOT TO BE INTENDED TO BE A LIGHTING PLAN. NO WALL MOUNTED LIGHTING FIXTURES OR OTHER WALL MOUNTED APPURTENANCES ARE SHOWN. SEE THE LIGHTING PLAN FOR ALL LIGHTING AND EGRESS SIGNS, SIZE AND TYPES OF ELECTRICAL FIXTURES ETC. SEE MECHANICAL PLANS FOR ALL CEILING MOUNTED DIFFUSERS/GRILLES ETC.

KEYED NOTES:

KEYPLAN



0' 4' 8' 16' 24'
SCALE : 1/8" = 1'-0"

ajc architects
703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSBEE
No 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SIGNAGE PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A702

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5/26/2026 9:25:01 AM BUILDING.rvt
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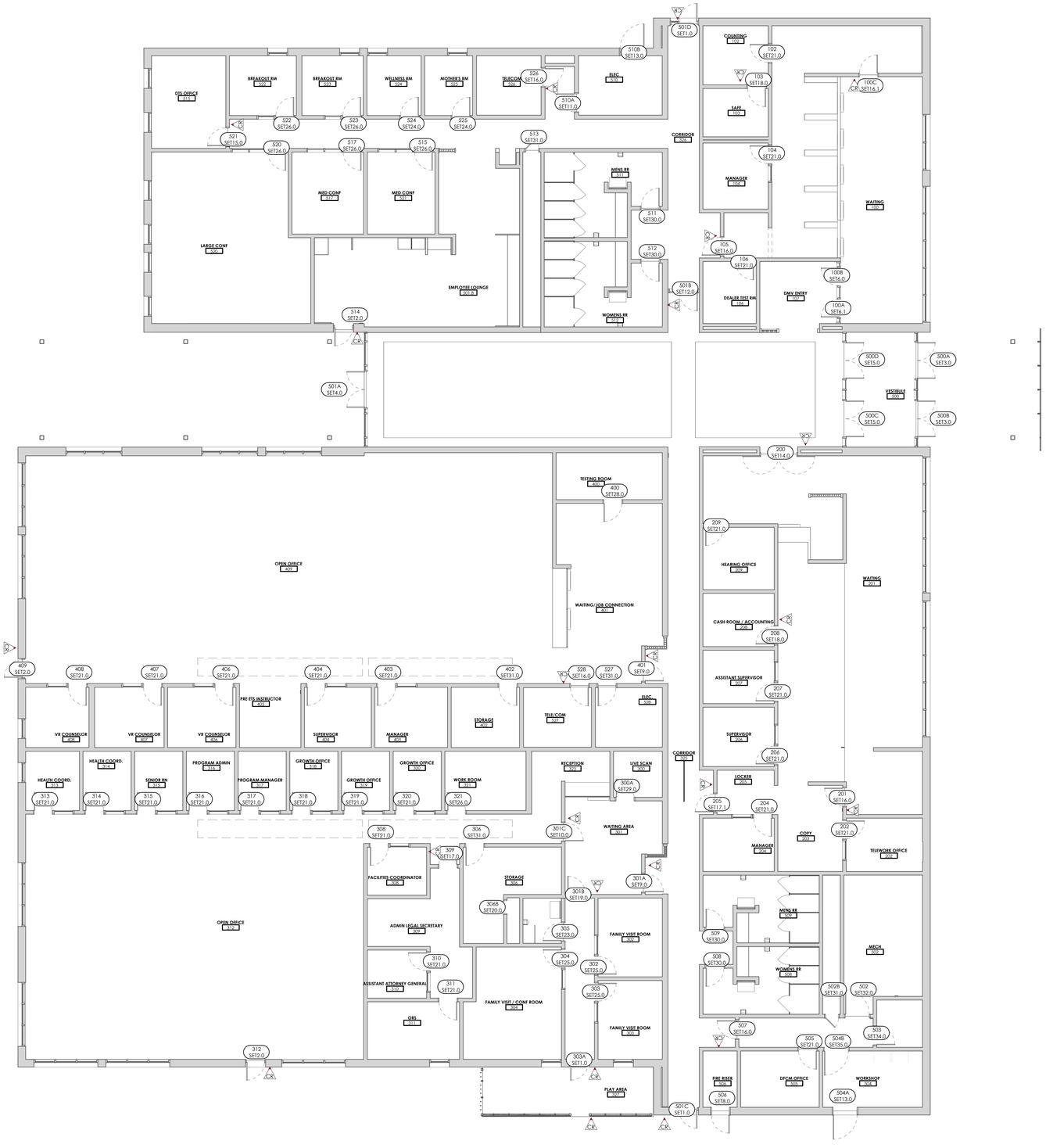

GENERAL NOTES:

SEE SHEET G001 FOR DRAWING INDEX.

SEE SHEET G001 FOR GENERAL NOTES AND G002 FOR ABBREVIATIONS.

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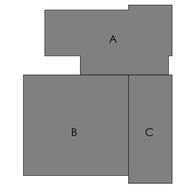
1 **DOOR HARDWARE**
1/8" = 1'-0"

KEYPLAN



0' 4' 8' 16' 24'

SCALE : 1/8" = 1'-0"

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703 east 1700 south
salt lake city, ut 84105
ajcarchitects.com

ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN GOSSETT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

DOOR HARDWARE

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

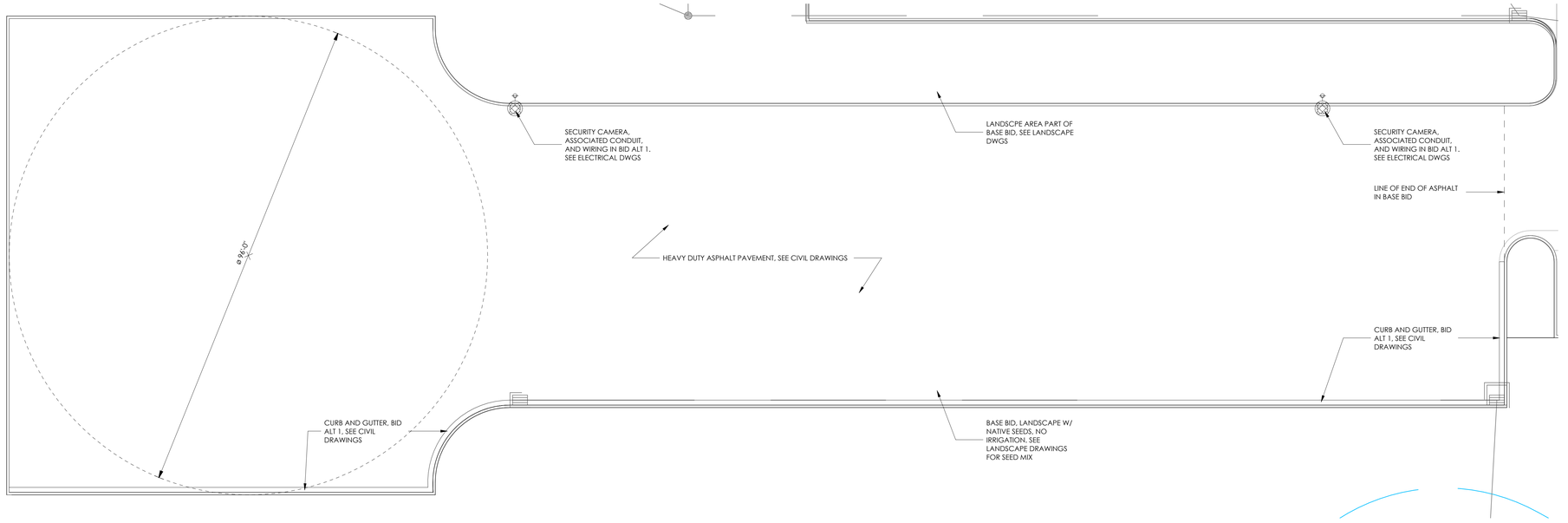
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A703

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:25:05 AM
ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE ANY WORK IS COMMENCED. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS. ANY DISCREPANCIES FOUND IN THESE DRAWINGS, ANY ERRORS, MISPRINTS OR MISAPPROPRIATION IN VIOLATION OF 17-2A-3-1-1 ET. SEQ. AND OTHER LAWS.

Autodesk Docs://2023-41 DFCM Richfield Regional Center/2023-41 DFCM RICHFIELD REGIONAL CENTER NEW BUILDING.rvt
5/26/2026 9:25:06 AM
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE, OWNED BY, AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER, EXCEPT BY WRITTEN AGREEMENT WITH, OR WITH THE WRITTEN PERMISSION OF AJC ARCHITECTS PC AND THEN ONLY TO THE EXTENT SPECIFIED. VISUAL CONTACT WITH THESE DRAWINGS OR PROJECT MANUAL SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. ALL DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF AJC ARCHITECTS PC WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF AJC ARCHITECTS PC. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE DRAWINGS BY ANY THIRD PARTY, THE UNAUTHORIZED USER SHALL HOLD HARMLESS AND INDEMNIFY AJC ARCHITECTS PC AGAINST ANY AND ALL LOSSES, DAMAGES, CLAIMS, SUITS OR ACTIONS ARISING OUT OF OR RESULTING THEREFROM. VISUAL CONTACT WITH THESE DRAWINGS OR PROJECT MANUAL SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. THE ARCHITECT'S DRAWINGS ARE DIAGRAMMATIC. DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE. DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE MUST BE NOTIFIED OF MISAPPROPRIATION IN VIOLATION OF 17.24.2-3-11 ET. SEQ. AND OTHER LAWS.



1 **SITE - CDL RANGE**
3/32" = 1'-0"

BID ALTERNATES SUMMARY

GENERAL

BIDS SHALL INCLUDE THE BASE BID WORK AND THE FOLLOWING BID ALTERNATES AS DESCRIBED HEREIN. EACH BID ALTERNATE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, COORDINATION, AND INCIDENTAL WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.

REFER TO SPECIFICATION SECTION 012300 – ALTERNATES FOR ADDITIONAL REQUIREMENTS, INCLUDING PROCEDURES FOR PRICING, SUBSTITUTIONS, AND SCOPE MODIFICATIONS.

ALL BID ALTERNATES SHALL BE PRICED SEPARATELY. DO NOT INCLUDE BID ALTERNATE COSTS IN THE BASE BID UNLESS SPECIFICALLY DIRECTED BY THE OWNER THROUGH ADDENDUM OR AWARD.

THE OWNER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BID ALTERNATES, IN ANY COMBINATION, WITHOUT INVALIDATING THE BASE BID.

BID ALTERNATE NO. 1 – CDL RANGE AND ASSOCIATED SITE WORK

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO CONSTRUCT THE CDL RANGE AND ASSOCIATED SITE IMPROVEMENTS AS INDICATED IN THE CONTRACT DOCUMENTS.

- WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
- CDL DRIVING RANGE LAYOUT, STRIPING, AND MARKINGS
- SITE CLEARING, GRADING, AND EARTHWORK OPERATIONS
- PAVEMENT SYSTEMS, INCLUDING BASE COURSE AND SURFACE COURSE
- CURBS, GUTTERS, AND SITE CAST-IN-PLACE CONCRETE ELEMENTS
- SITE UTILITIES, INCLUDING DRAINAGE, STORMWATER MANAGEMENT, AND ASSOCIATED INFRASTRUCTURE
- SIGNAGE, STRIPING, AND TRAFFIC CONTROL DEVICES, SITE FURNISHINGS AND RELATED APPURTENANCES
- COORDINATION WITH ADJACENT SITE WORK AND EXISTING CONDITIONS

CONTRACTOR SHALL COORDINATE ALL WORK WITH CIVIL, LANDSCAPE, AND OTHER DISCIPLINES TO ENSURE A COMPLETE AND FUNCTIONAL INSTALLATION.

BID ALTERNATE NO. 2 – ROOF MONITOR AND CLERESTORY WINDOWS

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO CONSTRUCT ROOF MONITOR AND CLERESTORY WINDOW SYSTEMS IN LIEU OF SKYLIGHT SYSTEMS INDICATED IN THE BASE BID.

WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- REMOVAL OF SKYLIGHT SYSTEMS AND ASSOCIATED WORK FROM BASE BID SCOPE
- STRUCTURAL MODIFICATIONS REQUIRED TO SUPPORT ROOF MONITOR CONSTRUCTION
- ROOF MONITOR FRAMING, SHEATHING, AND RELATED COMPONENTS
- CLERESTORY WINDOW SYSTEMS, INCLUDING GLAZING, FRAMING, AND ACCESSORIES
- MODIFICATIONS TO ROOFING SYSTEMS, INCLUDING MEMBRANE, INSULATION, AND ATTACHMENT
- FLASHING, COUNTERFLASHING, AND WEATHERPROOFING AT ALL TRANSITIONS
- INTERIOR FINISH MODIFICATIONS RESULTING FROM CHANGES IN ROOF GEOMETRY
- COORDINATION WITH MECHANICAL, ELECTRICAL, AND STRUCTURAL SYSTEMS

ALL WORK SHALL RESULT IN A COMPLETE, WEATHER-TIGHT, AND FULLY INTEGRATED ROOF ASSEMBLY.

BID ALTERNATE NO. 3 – BIKE LOCKERS AND CONCRETE PAD

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO INSTALL BIKE LOCKERS AND ASSOCIATED CONCRETE PAD AS INDICATED.

WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- SITE PREPARATION, INCLUDING EXCAVATION AND SUBGRADE PREPARATION
- CAST-IN-PLACE CONCRETE PAD, INCLUDING FORMING, REINFORCEMENT, AND FINISHING
- BIKE LOCKER SYSTEMS, INCLUDING ALL COMPONENTS, HARDWARE, AND ACCESSORIES
- ANCHORAGE AND INSTALLATION OF BIKE LOCKERS
- COORDINATION WITH SITE LAYOUT, ACCESSIBILITY REQUIREMENTS, AND ADJACENT SITE ELEMENTS

ALL WORK SHALL RESULT IN A COMPLETE AND READY-FOR-USE INSTALLATION.

GENERAL REQUIREMENTS FOR BID ALTERNATES

- EACH BID ALTERNATE SHALL INCLUDE ALL MODIFICATIONS TO RELATED WORK NECESSARY TO ACCOMMODATE THE PROPOSED SCOPE, WHETHER OR NOT SUCH MODIFICATIONS ARE SPECIFICALLY INDICATED.
- CONTRACTOR SHALL COORDINATE ALL BID ALTERNATE WORK WITH THE BASE BID WORK AND WITH ALL TRADES.
- ALL SYSTEMS SHALL BE COMPLETE, FULLY INTEGRATED, AND READY FOR THEIR INTENDED USE.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO INCLUDE REQUIRED INCIDENTAL OR COORDINATION WORK.
- CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND INCLUDE ALL ASSOCIATED WORK NECESSARY FOR A COMPLETE INSTALLATION.

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ALT 1 - CDL RANGE

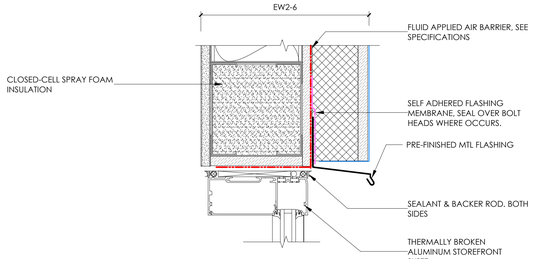
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

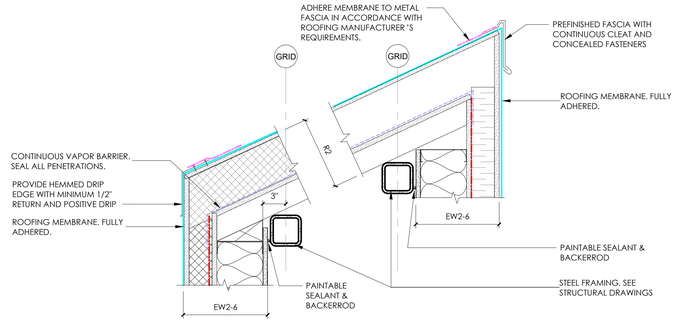
ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**100% CD**
DRAWN BY:	**ajc**
CHECKED BY:	**K. RIGBY**
PROJECT#:	**2023-41**

SHEET NUMBER:

A801

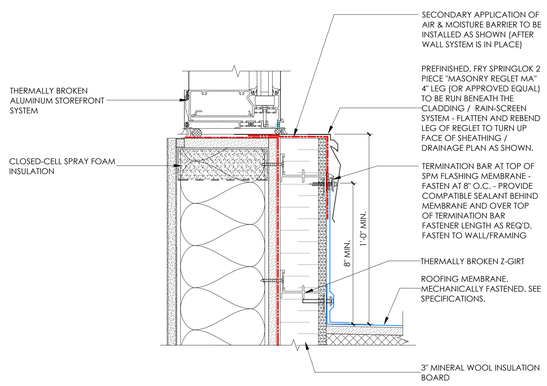


8 STOREFRONT - HEAD @ MONITOR
3" = 1'-0"

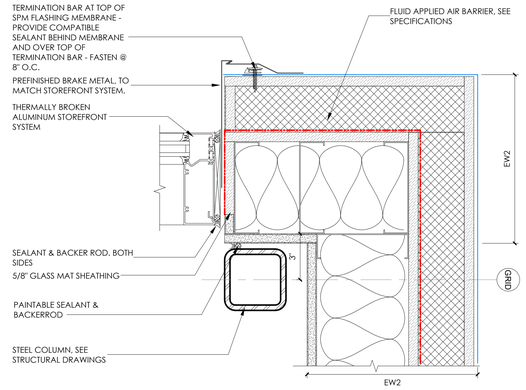


3 R2 @ VERTICAL WALL
1 1/2" = 1'-0"

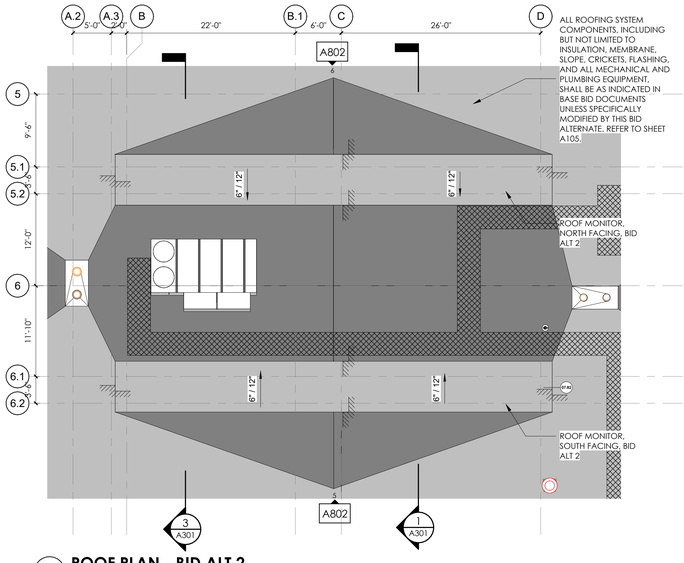
2 R2 @ DRIP EDGE
1 1/2" = 1'-0"



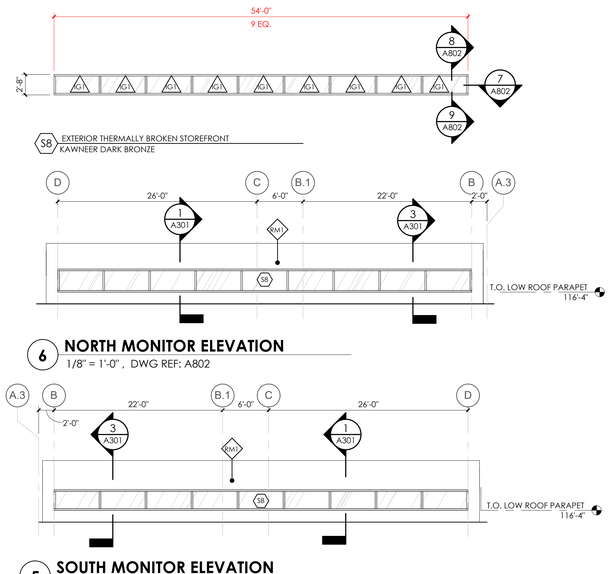
9 STOREFRONT - SILL @ MONITOR
3" = 1'-0"



7 STOREFRONT - JAMB @ MONITOR
3" = 1'-0"

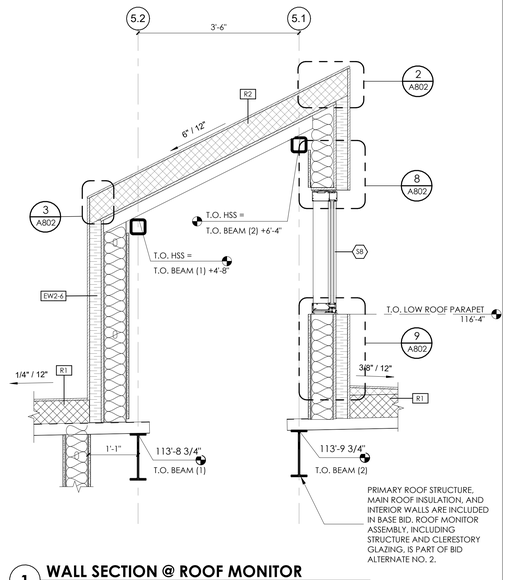


4 ROOF PLAN - BID ALT 2
1/8" = 1'-0"



6 NORTH MONITOR ELEVATION
1/8" = 1'-0" , DWG REF: A802

5 SOUTH MONITOR ELEVATION
1/8" = 1'-0" , DWG REF: A802



1 WALL SECTION @ ROOF MONITOR
3/4" = 1'-0"

BID ALTERNATES SUMMARY

GENERAL

BIDS SHALL INCLUDE THE BASE BID WORK AND THE FOLLOWING BID ALTERNATES AS DESCRIBED HEREIN. EACH BID ALTERNATE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, COORDINATION, AND INCIDENTAL WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.

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BID ALTERNATE NO. 1 – CDL RANGE AND ASSOCIATED SITE WORK

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO CONSTRUCT THE CDL RANGE AND ASSOCIATED SITE IMPROVEMENTS AS INDICATED IN THE CONTRACT DOCUMENTS.

- WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
- CDL DRIVING RANGE LAYOUT, STRIPING, AND MARKINGS
- SITE CLEARING, GRADING, AND EARTHWORK OPERATIONS
- PAVEMENT SYSTEMS, INCLUDING BASE COURSE AND SURFACE COURSE
- CURBS, GUTTERS, AND SITE CAST-IN-PLACE CONCRETE ELEMENTS
- SITE UTILITIES, INCLUDING DRAINAGE, STORMWATER MANAGEMENT, AND ASSOCIATED INFRASTRUCTURE
- SIGNAGE, STRIPING, AND TRAFFIC CONTROL DEVICES, SITE FURNISHINGS AND RELATED APPURTENANCES
- COORDINATION WITH ADJACENT SITE WORK AND EXISTING CONDITIONS

CONTRACTOR SHALL COORDINATE ALL WORK WITH CIVIL, LANDSCAPE, AND OTHER DISCIPLINES TO ENSURE A COMPLETE AND FUNCTIONAL INSTALLATION.

BID ALTERNATE NO. 2 – ROOF MONITOR AND CLERESTORY WINDOWS

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO CONSTRUCT ROOF MONITOR AND CLERESTORY WINDOW SYSTEMS IN LIEU OF SKYLIGHT SYSTEMS INDICATED IN THE BASE BID.

WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- REMOVAL OF SKYLIGHT SYSTEMS AND ASSOCIATED WORK FROM BASE BID SCOPE
- STRUCTURAL MODIFICATIONS REQUIRED TO SUPPORT ROOF MONITOR CONSTRUCTION
- ROOF MONITOR FRAMING, SHEATHING, AND RELATED COMPONENTS
- CLERESTORY WINDOW SYSTEMS, INCLUDING GLAZING, FRAMING, AND ACCESSORIES
- MODIFICATIONS TO ROOFING SYSTEMS, INCLUDING MEMBRANE, INSULATION, AND ATTACHMENT
- FLASHING, COUNTERFLASHING, AND WEATHERPROOFING AT ALL TRANSITIONS
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- COORDINATION WITH MECHANICAL, ELECTRICAL, AND STRUCTURAL SYSTEMS

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BID ALTERNATE NO. 3 – BIKE LOCKERS AND CONCRETE PAD

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO INSTALL BIKE LOCKERS AND ASSOCIATED CONCRETE PAD AS INDICATED.

WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- SITE PREPARATION, INCLUDING EXCAVATION AND SUBGRADE PREPARATION
- CAST-IN-PLACE CONCRETE PAD, INCLUDING FORMING, REINFORCEMENT, AND FINISHING
- BIKE LOCKER SYSTEMS, INCLUDING ALL COMPONENTS, HARDWARE, AND ACCESSORIES
- ANCHORAGE AND INSTALLATION OF BIKE LOCKERS
- COORDINATION WITH SITE LAYOUT, ACCESSIBILITY REQUIREMENTS, AND ADJACENT SITE ELEMENTS

ALL WORK SHALL RESULT IN A COMPLETE AND READY-FOR-USE INSTALLATION.

GENERAL REQUIREMENTS FOR BID ALTERNATES

- EACH BID ALTERNATE SHALL INCLUDE ALL MODIFICATIONS TO RELATED WORK NECESSARY TO ACCOMMODATE THE PROPOSED SCOPE, WHETHER OR NOT SUCH MODIFICATIONS ARE SPECIFICALLY INDICATED.
- CONTRACTOR SHALL COORDINATE ALL BID ALTERNATE WORK WITH THE BASE BID WORK AND WITH ALL TRADES.
- ALL SYSTEMS SHALL BE COMPLETE, FULLY INTEGRATED, AND READY FOR THEIR INTENDED USE.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO INCLUDE REQUIRED INCIDENTAL OR COORDINATION WORK.
- CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND INCLUDE ALL ASSOCIATED WORK NECESSARY FOR A COMPLETE INSTALLATION.

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ARCHITECT / CONSULTANT

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND GOVERNMENTAL SERVICES

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ALT 2 - ROOF MONITORS / CLERESTORIES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A802

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5/26/2026 9:25:14 AM
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DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY BOTH. IN CASE OF CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN. IN CASE OF CONFLICT BETWEEN DRAWINGS, LARGER SCALE DRAWINGS SHALL GOVERN OVER SMALLER SCALE DRAWINGS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS THEREFROM BEFORE PROCEEDING WITH THE WORK INVOLVED. USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE. ALL WORK SHALL CONFORM TO APPLICABLE CODES, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK INVOLVED. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND GOVERNMENT FEES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK. CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY OPERATIONS. AT COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, RUBBISH, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY AND SURPLUS MATERIALS FROM AND ABOUT THE PROJECT. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS. WHERE DIMENSIONS ARE NOT SHOWN, CONTACT ARCHITECT FOR CLARIFICATION. ALL CONSTRUCTION SHALL CONFORM TO LOCAL BUILDING CODES AND ORDINANCES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS. IN CASE OF CONFLICT BETWEEN THESE DRAWINGS AND APPLICABLE CODES, THE CODES SHALL GOVERN. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, CODES AND REGULATIONS APPLICABLE TO THE WORK. CONTRACTOR SHALL GIVE ALL NOTICES REQUIRED BY LAW. CONTRACTOR SHALL COMPLY WITH ALL LAWFUL ORDERS OF PUBLIC AUTHORITIES. CONTRACTOR SHALL MAINTAIN ALL REQUIRED INSURANCE AND BONDS. CONTRACTOR SHALL PROTECT ADJACENT PROPERTY AND UTILITIES. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL COMPLY WITH ALL OSHA REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AT THE SITE. CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNS AND LIGHTS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CHANGES REQUIRED BY LAW. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES. CONTRACTOR SHALL SCHEDULE AND SEQUENCE WORK TO AVOID DELAYS. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY FACILITIES. CONTRACTOR SHALL MAINTAIN A CLEAN AND SAFE WORK ENVIRONMENT. CONTRACTOR SHALL PROTECT FINISHED WORK FROM DAMAGE. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED WORK. CONTRACTOR SHALL PROVIDE ALL NECESSARY SUBMITTALS. CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS BEFORE SUBMITTING TO ARCHITECT. CONTRACTOR SHALL COORDINATE SHOP DRAWINGS WITH OTHER TRADES. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAMPLES. CONTRACTOR SHALL LABEL SAMPLES CLEARLY. CONTRACTOR SHALL SUBMIT SAMPLES FOR APPROVAL BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL PROVIDE ALL NECESSARY MOCK-UPS. CONTRACTOR SHALL MAINTAIN MOCK-UPS FOR REFERENCE. CONTRACTOR SHALL PROVIDE ALL NECESSARY TESTING. CONTRACTOR SHALL SCHEDULE TESTING IN ADVANCE. CONTRACTOR SHALL PROVIDE TEST REPORTS TO ARCHITECT. CONTRACTOR SHALL PROVIDE ALL NECESSARY INSPECTIONS. CONTRACTOR SHALL SCHEDULE INSPECTIONS IN ADVANCE. CONTRACTOR SHALL PROVIDE ACCESS FOR INSPECTIONS. CONTRACTOR SHALL CORRECT DEFICIENCIES IDENTIFIED DURING INSPECTIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY CERTIFICATES. CONTRACTOR SHALL OBTAIN CERTIFICATES OF OCCUPANCY. CONTRACTOR SHALL PROVIDE ALL NECESSARY WARRANTIES. CONTRACTOR SHALL PROVIDE ALL NECESSARY GUARANTEES. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE MANUALS. CONTRACTOR SHALL PROVIDE ALL NECESSARY AS-BUILT DRAWINGS. CONTRACTOR SHALL PROVIDE ALL NECESSARY RECORD DRAWINGS. CONTRACTOR SHALL PROVIDE ALL NECESSARY OPERATION AND MAINTENANCE MANUALS. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAINING. CONTRACTOR SHALL PROVIDE ALL NECESSARY DEMONSTRATIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY CLOSEOUT DOCUMENTS. CONTRACTOR SHALL PROVIDE ALL NECESSARY FINAL PAYMENT. CONTRACTOR SHALL PROVIDE ALL NECESSARY RELEASE OF LIENS. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSENT OF SURETY. CONTRACTOR SHALL PROVIDE ALL NECESSARY CERTIFICATE OF INSURANCE. CONTRACTOR SHALL PROVIDE ALL NECESSARY BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERFORMANCE BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY PAYMENT BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY WARRANTY BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY GUARANTEE BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY INSURANCE. CONTRACTOR SHALL PROVIDE ALL NECESSARY CERTIFICATE OF INSURANCE. CONTRACTOR SHALL PROVIDE ALL NECESSARY BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERFORMANCE BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY PAYMENT BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY WARRANTY BOND. CONTRACTOR SHALL PROVIDE ALL NECESSARY GUARANTEE BOND.

BID ALTERNATES SUMMARY

GENERAL

BIDS SHALL INCLUDE THE BASE BID WORK AND THE FOLLOWING BID ALTERNATES AS DESCRIBED HEREIN. EACH BID ALTERNATE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, COORDINATION, AND INCIDENTAL WORK NECESSARY TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.

REFER TO SPECIFICATION SECTION 012300 – ALTERNATES FOR ADDITIONAL REQUIREMENTS, INCLUDING PROCEDURES FOR PRICING, SUBSTITUTIONS, AND SCOPE MODIFICATIONS.

ALL BID ALTERNATES SHALL BE PRICED SEPARATELY. DO NOT INCLUDE BID ALTERNATE COSTS IN THE BASE BID UNLESS SPECIFICALLY DIRECTED BY THE OWNER THROUGH ADDENDUM OR AWARD.

THE OWNER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BID ALTERNATES, IN ANY COMBINATION, WITHOUT INVALIDATING THE BASE BID.

BID ALTERNATE NO. 1 – CDL RANGE AND ASSOCIATED SITE WORK

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO CONSTRUCT THE CDL RANGE AND ASSOCIATED SITE IMPROVEMENTS AS INDICATED IN THE CONTRACT DOCUMENTS.

- WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
- CDL DRIVING RANGE LAYOUT, STRIPING, AND MARKINGS
- SITE CLEARING, GRADING, AND EARTHWORK OPERATIONS
- PAVEMENT SYSTEMS, INCLUDING BASE COURSE AND SURFACE COURSE
- CURBS, GUTTERS, AND SITE CAST-IN-PLACE CONCRETE ELEMENTS
- SITE UTILITIES, INCLUDING DRAINAGE, STORMWATER MANAGEMENT, AND ASSOCIATED INFRASTRUCTURE
- SIGNAGE, STRIPING, AND TRAFFIC CONTROL DEVICES, SITE FURNISHINGS AND RELATED APPURTENANCES
- COORDINATION WITH ADJACENT SITE WORK AND EXISTING CONDITIONS

CONTRACTOR SHALL COORDINATE ALL WORK WITH CIVIL, LANDSCAPE, AND OTHER DISCIPLINES TO ENSURE A COMPLETE AND FUNCTIONAL INSTALLATION.

BID ALTERNATE NO. 2 – ROOF MONITOR AND CLERESTORY WINDOWS

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO CONSTRUCT ROOF MONITOR AND CLERESTORY WINDOW SYSTEMS IN LIEU OF SKYLIGHT SYSTEMS INDICATED IN THE BASE BID.

WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- REMOVAL OF SKYLIGHT SYSTEMS AND ASSOCIATED WORK FROM BASE BID SCOPE
- STRUCTURAL MODIFICATIONS REQUIRED TO SUPPORT ROOF MONITOR CONSTRUCTION
- ROOF MONITOR FRAMING, SHEATHING, AND RELATED COMPONENTS
- CLERESTORY WINDOW SYSTEMS, INCLUDING GLAZING, FRAMING, AND ACCESSORIES
- MODIFICATIONS TO ROOFING SYSTEMS, INCLUDING MEMBRANE, INSULATION, AND ATTACHMENT
- FLASHING, COUNTERFLASHING, AND WEATHERPROOFING AT ALL TRANSITIONS
- INTERIOR FINISH MODIFICATIONS RESULTING FROM CHANGES IN ROOF GEOMETRY
- COORDINATION WITH MECHANICAL, ELECTRICAL, AND STRUCTURAL SYSTEMS

ALL WORK SHALL RESULT IN A COMPLETE, WEATHER-TIGHT, AND FULLY INTEGRATED ROOF ASSEMBLY.

BID ALTERNATE NO. 3 – BIKE LOCKERS AND CONCRETE PAD

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND COORDINATION REQUIRED TO INSTALL BIKE LOCKERS AND ASSOCIATED CONCRETE PAD AS INDICATED.

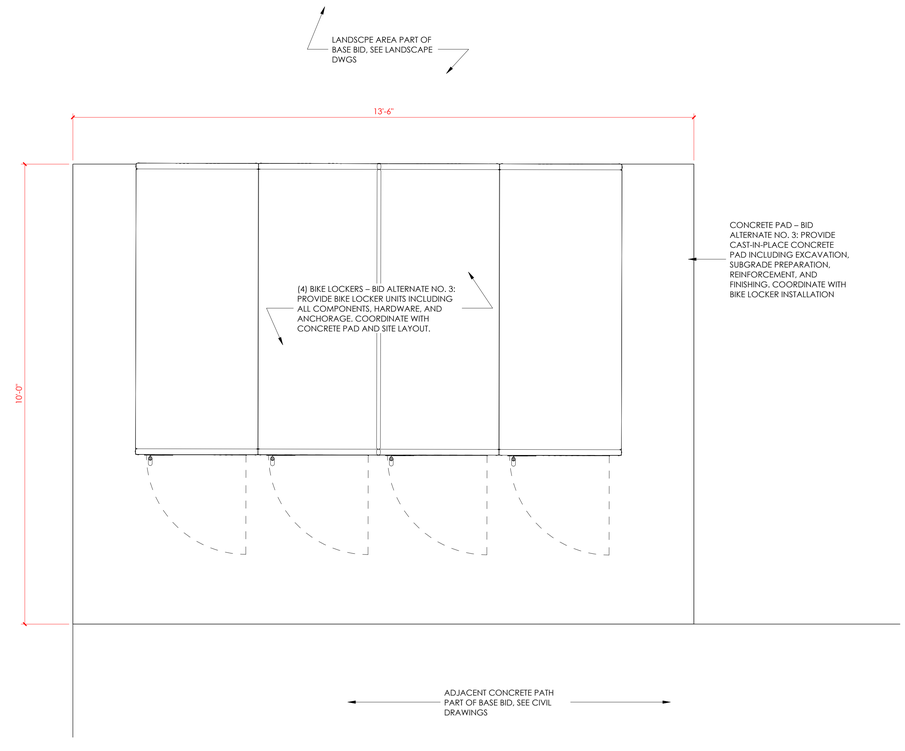
WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- SITE PREPARATION, INCLUDING EXCAVATION AND SUBGRADE PREPARATION
- CAST-IN-PLACE CONCRETE PAD, INCLUDING FORMING, REINFORCEMENT, AND FINISHING
- BIKE LOCKER SYSTEMS, INCLUDING ALL COMPONENTS, HARDWARE, AND ACCESSORIES
- ANCHORAGE AND INSTALLATION OF BIKE LOCKERS
- COORDINATION WITH SITE LAYOUT, ACCESSIBILITY REQUIREMENTS, AND ADJACENT SITE ELEMENTS

ALL WORK SHALL RESULT IN A COMPLETE AND READY-FOR-USE INSTALLATION.

GENERAL REQUIREMENTS FOR BID ALTERNATES

- EACH BID ALTERNATE SHALL INCLUDE ALL MODIFICATIONS TO RELATED WORK NECESSARY TO ACCOMMODATE THE PROPOSED SCOPE, WHETHER OR NOT SUCH MODIFICATIONS ARE SPECIFICALLY INDICATED.
- CONTRACTOR SHALL COORDINATE ALL BID ALTERNATE WORK WITH THE BASE BID WORK AND WITH ALL TRADES.
- ALL SYSTEMS SHALL BE COMPLETE, FULLY INTEGRATED, AND READY FOR THEIR INTENDED USE.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO INCLUDE REQUIRED INCIDENTAL OR COORDINATION WORK.
- CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND INCLUDE ALL ASSOCIATED WORK NECESSARY FOR A COMPLETE INSTALLATION.



1 **BIKE LOCKERS - SITE PLAN**
3/4" = 1'-0"

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ARCHITECT / CONSULTANT

STATE OF UTAH
HEBER EBEN ROBERT
No. 9715389-0301
05.26.2026
LICENSED ARCHITECT

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
100% Construction Documents
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ALT 3 - BIKE LOCKERS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	Permit Revision

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **100% CD**
DRAWN BY: **ajc**
CHECKED BY: **K. RIGBY**
PROJECT#: **2023-41**

SHEET NUMBER:

A803

MECHANICAL LEGEND

SYMBOL	ABR,	DESCRIPTION
GENERAL TERMINOLOGY		
A / ME101		SECTION LETTER DESIGNATION / SECTION DRAWN ON THIS SHEET
A2		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION
AH / 1		MECHANICAL EQUIPMENT DESIGNATION / EQUIPMENT ITEM DESIGNATION
D-1 / CFM		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW
R-1		GRILLE OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED
1		REVISION DESIGNATOR AND NUMBER
1		KEY NOTE DESIGNATOR AND NUMBER
	POC	POINT OF CONNECTION
	POR	POINT OF REMOVAL
AFF		ABOVE FINISHED FLOOR
AP		ACCESS PANEL
C EL.		CENTERLINE ELEVATION
GC		GENERAL CONTRACTOR
MC		MECHANICAL CONTRACTOR
ATC		CONTROLS CONTRACTOR
EC		ELECTRICAL CONTRACTOR
FPC		FIRE PROTECTION CONTRACTOR
NIC		NOT IN CONTRACT
NTS		NOT TO SCALE
VCP		VITRIFIED CLAY PIPE
C		COMMON
NC		NORMALLY CLOSED
NO		NORMALLY OPEN

SYMBOL	ABR,	DESCRIPTION
AIR SIDE		
		EXISTING AIR DUCT TO BE REMOVED
		EXISTING AIR DUCT TO REMAIN
		NEW AIR DUCT
		RECT TO RECT AIR DUCT TAKE-OFF
		RECT TO RND AIR DUCT TAKE-OFF
		RND TO RND AIR DUCT TAKE-OFF
		MEDIUM PRESSURE TAKE-OFF
		FLEXIBLE AIR DUCT
		LINED DUCT
		RADIUS ELBOW
		ECCENTRIC DUCT TRANSITION
		CONCENTRIC DUCT TRANSITION
		VOLUME DAMPER
		SUPPLY AIR DIFFUSER
		RETURN & TRANSFER AIR GRILLE
		EXHAUST GRILLE OR CEILING EXH. FAN
		RETURN & OUTSIDE AIR DUCT UP/DN
		RETURN & OA ROUND DUCT UP/DN
		SUPPLY AIR DUCT UP/DN
		SUPPLY AIR ROUND DUCT UP/DN
		EXHAUST AIR DUCT UP/DN
		EXHAUST AIR ROUND DUCT UP/DN
	AP	ACCESS PANEL
		EXISTING EQUIPMENT TO BE REMOVED
		EXISTING EQUIPMENT TO REMAIN
		NEW EQUIPMENT
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
OA		OUTSIDE AIR
MA		MIXED AIR
RF		RELIEF AIR
FO		FLAT OVAL
M	MVD	MOTORIZED VOLUME DAMPER
BD	BD	BACKDRAFT DAMPER
F	FD	FIRE DAMPER
S	SD	SMOKE DAMPER
FS	FS	FIRE & SMOKE DAMPER
T	T-STAT	WALL MOUNTED THERMOSTAT
S		WALL MOUNTED TEMP. SENSOR
H	H-STAT	WALL MOUNTED HUMIDISTAT
F	F-STAT	WALL MOUNTED FIRESTAT

SYMBOL	ABR,	DESCRIPTION
WET SIDE		
		PUMP
R		REGULATOR
		UNION
		MANUAL ACTUATOR
		PNUEMATIC DIAPHRAM ACTUATOR
M		ELECTRIC MOTOR ACTUATOR
S		SOLENOID ACTUATOR
		BUTTERFLY VALVE
		GATE VALVE
		GLOBE VALVE - STRAIGHT PATTERN
		GLOBE VALVE - ANGLE PATTERN
		MOTORIZED 2-WAY CONTROL VALVE
		MOTORIZED 3-WAY CONTROL VALVE
	PRV	PRESSURE REDUCING VALVE
		CHECK VALVE
		CIRCUIT BALANCING VALVE
		BALL VALVE
P		PRESSURE RELIEF VALVE
T		THERMAL RELIEF VALVE
S		SAFETY RELIEF VALVE
		PLUG VALVE
		NEEDLE VALVE
		TRIPLE DUTY VALVE
		AUTOMATIC AIR VENT
		MANUAL AIR VENT
		STRAINER
		STRAINER W/ PLUG BLOW OFF
		VENTURI
		PRESSURE GAUGE W/ COCK - WATER
		PRESSURE GAUGE W/ COCK - STEAM
		THERMOMETER & THERMOWELL
S		WATER TEMP SENSOR & THERMOWELL
P		FLOW SWITCH
PS		PRESSURE SWITCH
		THERMOWELL
		PRESSURE & TEMP TAP
T IBT		INVERTED BUCKET STEAM TRAP
T TT		THERMOSTATIC STEAM TRAP
F&T		FLOAT & THERMOSTATIC STEAM TRAP
		DIRECTION OF FLOW
		BACKFLOW PREVENTING VALVE

SYMBOL	ABR,	DESCRIPTION
WET SIDE		
		PITCH DOWN
		ELBOW UP/DN
		TEE UP/DN
		EXISTING PIPING TO BE REMOVED
		EXISTING PIPING TO REMAIN
		NEW PIPING
		PIPE CAP OR PLUG
		REDUCER - CONCENTRIC / ECCENTRIC
		EXPANSION JOINT
		FLEXIBLE CONNECTION
		ANCHOR POINT
	CD	CONDENSATE DRAIN
	G	NATURAL GAS PIPING
	CF	CHEMICAL FEED LINE
	GF	GLYCOL FILL LINE
	MU	MAKE-UP WATER LINE
	CW	CULINARY COLD WATER
	HW	CULINARY HOT WATER
	HWREC	CULINARY HOT WATER RECIRC
	V	VENT LINE
	SS	SANITARY SEWER
	HWS	HEATING WATER SUPPLY
	HWR	HEATING WATER RETURN
	CHWS	CHILLED WATER SUPPLY
	CHWR	CHILLED WATER RETURN
	HTWS	HIGH TEMP HEATING WATER SUPPLY
	HTWR	HIGH TEMP HEATING WATER RETURN
	LPS	LOW PRESSURE STEAM
	LPR	LOW PRESSURE STEAM RETURN
	HPS	HIGH PRESSURE STEAM
	HPR	HIGH PRESSURE STEAM RETURN
	CS	CONDENSER SUPPLY
	CR	CONDENSER RETURN
	PC	PUMPED CONDENSATE
	L	REFRIGERANT LIQUID
	S	REFRIGERANT SUCTION
	HG	REFRIGERANT HOT GAS
	FOS	FUEL OIL SUPPLY
	FOR	FUEL OIL RETURN
	FOV	FUEL OIL VENT

GENERAL NOTES

G-1 - MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

G-2 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

G-3 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

G-4 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

G-5 - THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 - MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

G-7 - SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

G-8 - PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

G-9 - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

G-10 - PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

G-11 - THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-12 - THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

G-13 - C.F.M. LISTED IS ACTUAL AIR.

G-14 - SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

G-15 - CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-16 - ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2021 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-17 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.

G-18 - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

G-19 - PROVIDE NEW FIRE SPRINKLERS PER PERFORMANCE SPECIFICATION THROUGH NICET LEVEL 3 CERTIFIED DESIGN BUILD FIRE SPRINKLER CONTRACTOR.

5/21/2026 2:38:18 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/25043 Multi Agency Richfield New v24 M&P.rvt
ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS BETWEEN ACTUAL DIMENSIONS AND CONDITIONS AND THOSE INDICATED ON THESE DRAWINGS BEFORE PROCEEDING WITH THE FABRICATION OF ANY WORK. ANY UNAUTHORIZED REUSE OF ALL OR ANY PART OF THESE DRAWINGS, INCLUDING BUILDING OR CONSTRUCTION WITHOUT THE EXPRESS WRITTEN CONSENT OF AJC ARCHITECTS PC, WILL BE A VIOLATION OF THE FEDERAL COPYRIGHT ACT (17 U.S.C. SEC. 504) AND PUNISHED ACCORDINGLY. ANY MISAPPROPRIATION IN VIOLATION OF I.C.24-2-311 ET. SEQ. AND OTHER LAWS.

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ARCHITECT / CONSULTANT

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL GENERAL NOTES AND LEGEND

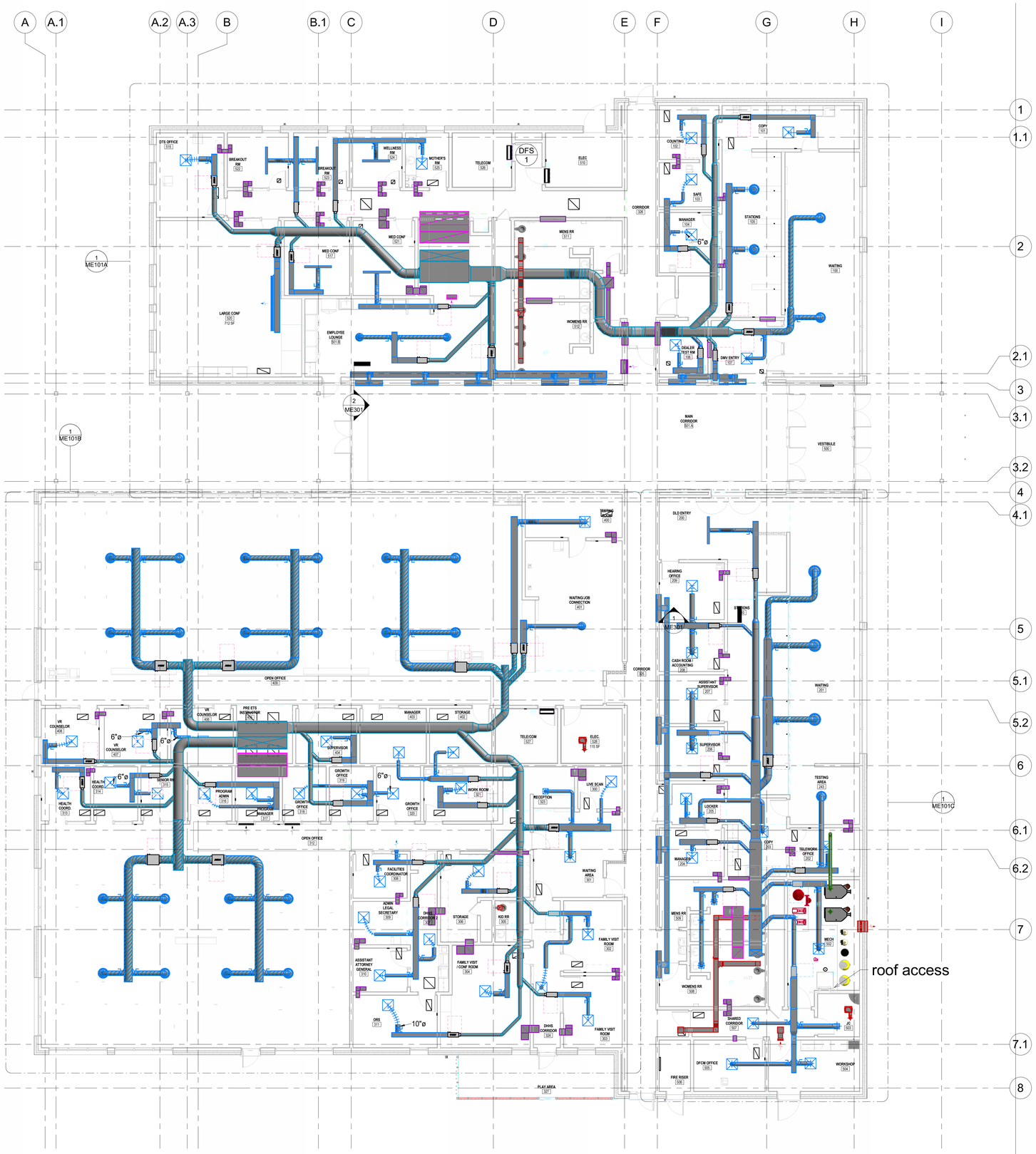
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

MG001



1 **LEVEL 1 MECHANICAL PLAN**
1/8" = 1'-0"

5/21/2026 2:38:22 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/25063 Multi Agency Richfield New v24 M&P.rvt
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE PROCEEDING WITH THE FABRICATION OF ANY WORK INVOLVED. SHOP DRAWINGS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE ANY WORK PROCEEDS. FAILURE TO DO SO MAY CONSTITUTE A MISAPPROPRIATION IN VIOLATION OF 17-2-A-2-311 ET. SEQ. AND OTHER LAWS.

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 MECHANICAL PLAN

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

ME101.1



1 **LEVEL 1 REFLECTED CEILING PLAN**
1/8" = 1'-0"

SHEET NOTES #

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 REFLECTED CEILING PLAN

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	05/26/2026
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PROJECT#:	2023-41

SHEET NUMBER:

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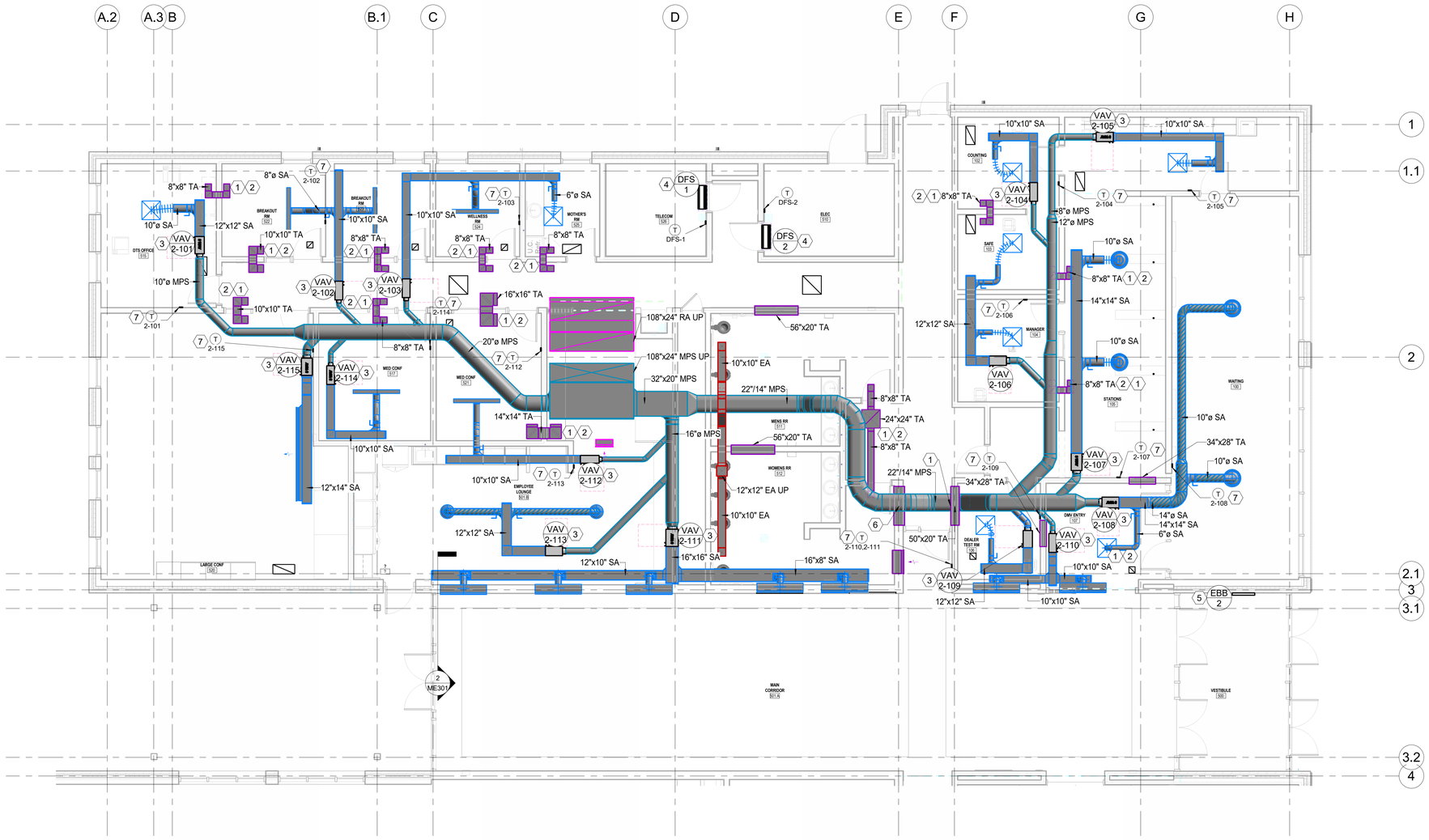

1 **LEVEL 1 MECHANICAL - AREA A**
3/16" = 1'-0"

SHEET NOTES

1. PROVIDE TRANSFER AIR DUCTWORK SIZED AT 500 FPM IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING.
2. PROVIDE TRANSFER AIR SOUND BOOT ABOVE CEILING IN RETURN PLENUM.
3. PROVIDE VAV IN THIS APPROXIMATE LOCATION, FIELD VERIFY. PROVIDE NEW CONTROLLER AND TIE INTO BUILDING CONTROLS (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). SEE MECHANICAL DETAILS FOR HOT WATER CONNECTION DETAILS AND SEQUENCE OF OPERATIONS. MAINTAIN MANUFACTURERS RECOMMEND CLEARANCES.
4. PROVIDE NEW DUCTLESS MINI-SPLIT IN THIS APPROXIMATE LOCATION, INSTALL PER MANUFACTURERS REQUIREMENTS. ROUTE CONDENSATE LINE TO NEAREST FLOOR DRAIN OR MOP SINK. FIELD VERIFY EXACT ROUTING.
5. PROVIDE NEW ELECTRIC BASEBOARD HEATER WITH INTEGRAL THERMOSTAT. INSTALL PER MANUFACTURERS REQUIREMENTS.
6. PROVIDE 50"X20" OPENING IN WALL FOR TRANSFER AIR PATH IN THIS APPROXIMATE LOCATION. OPENING SIZED AT 500 FPM. FIELD VERIFY.
7. PROVIDE NEW THERMOSTAT IN THIS APPROXIMATE LOCATION (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). COORDINATE THE EXACT LOCATION WITH THE ARCHITECT AND OWNER. MOUNT 48" AFF. TIE INTO THE BAS.

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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
04/10/2026
BRADLEY D. LASH
No. 8681468

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

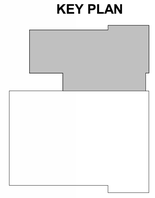
SHEET NAME:

LEVEL 1 MECHANICAL - AREA A

REVISIONS

MARK	DATE	DESCRIPTION

KEY PLAN



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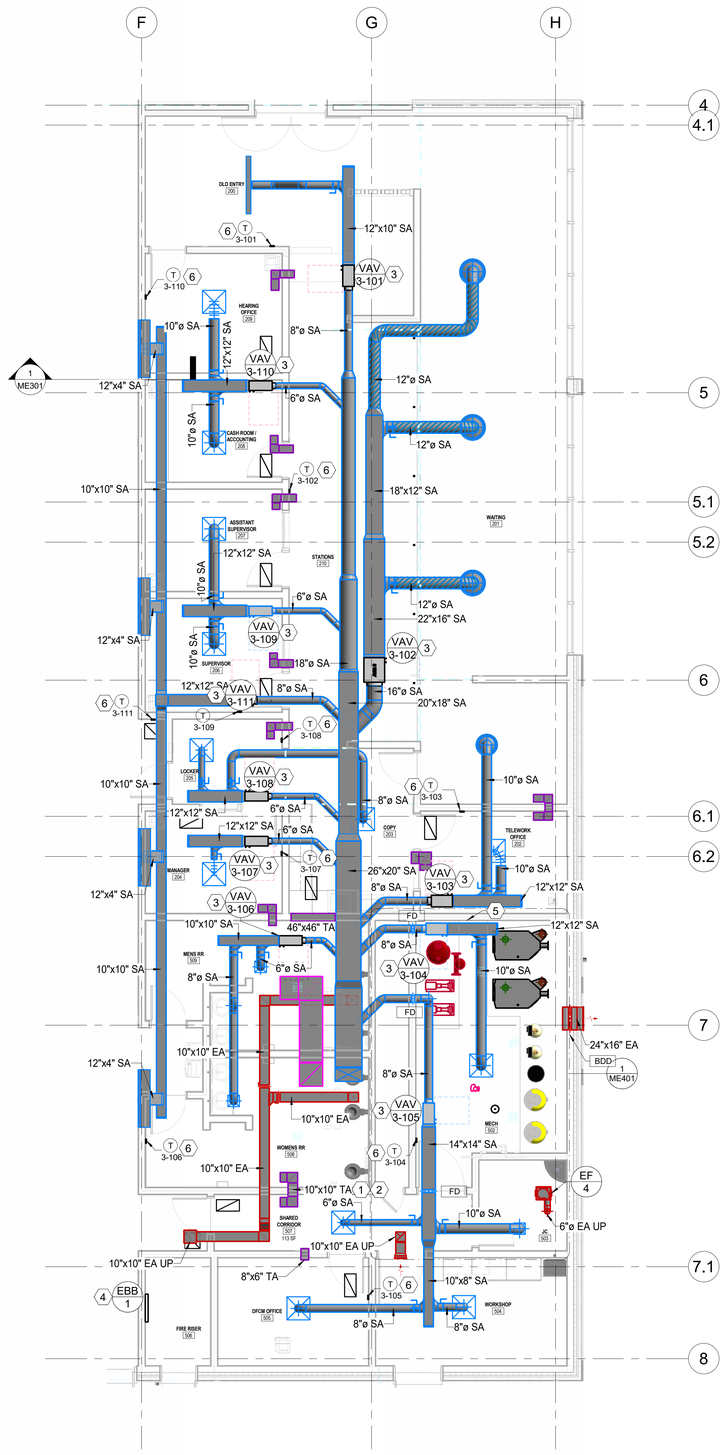
WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE ANY WORK IS DONE THAT AFFECTS THESE MATTERS.
ALL DRAWINGS, INSTRUMENTS OF SERVICE AND COPIES THEREOF FURNISHED BY AJC ARCHITECTS PC ARE AND SHALL REMAIN THE PROPERTY OF AJC ARCHITECTS PC. THEY ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF AJC ARCHITECTS PC. ANY UNAUTHORIZED USE, REUSE OR MODIFICATION OF THESE DRAWINGS, WITHOUT AJC ARCHITECTS PC'S WRITTEN CONSENT, IS A CRIMINAL OFFENSE UNDER 17 U.S.C. 506. ANY AUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET MISAPPROPRIATION IN VIOLATION OF 17 C.F.R.§ 31.1 ET. SEQ. AND OTHER LAWS.

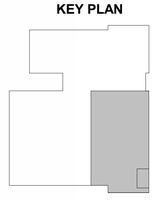


1 **LEVEL 1 MECHANICAL - AREA C**
3/16" = 1'-0"

SHEET NOTES

1. PROVIDE TRANSFER AIR DUCTWORK SIZED AT 500 FPM IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING.
2. PROVIDE TRANSFER AIR SOUND BOOT ABOVE CEILING IN RETURN PLENUM.
3. PROVIDE VAV IN THIS APPROXIMATE LOCATION, FIELD VERIFY. PROVIDE NEW CONTROLLER AND TIE INTO BUILDING CONTROLS (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). SEE MECHANICAL DETAILS FOR HOT WATER CONNECTION DETAILS AND SEQUENCE OF OPERATIONS. MAINTAIN MANUFACTURERS RECOMMEND CLEARANCES.
4. PROVIDE NEW ELECTRIC BASEBOARD HEATER WITH INTEGRAL THERMOSTAT. INSTALL PER MANUFACTURERS REQUIREMENTS.
5. PROVIDE CONTROL PANEL FOR MECHANICAL EQUIPMENTS IN THIS APPROXIMATE LOCATION. COORDINATE WITH DIV 26 TO PROVIDE POWER.FIELD VERIFY.
6. PROVIDE NEW THERMOSTAT IN THIS APPROXIMATE LOCATION (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). COORDINATE THE EXACT LOCATION WITH THE ARCHITECT AND OWNER. MOUNT 48" AFF. TIE INTO THE BAS.

KEY PLAN



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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
04/10/2026
BRADLEY D. LASH
No. 8681468

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 MECHANICAL - AREA C

REVISIONS

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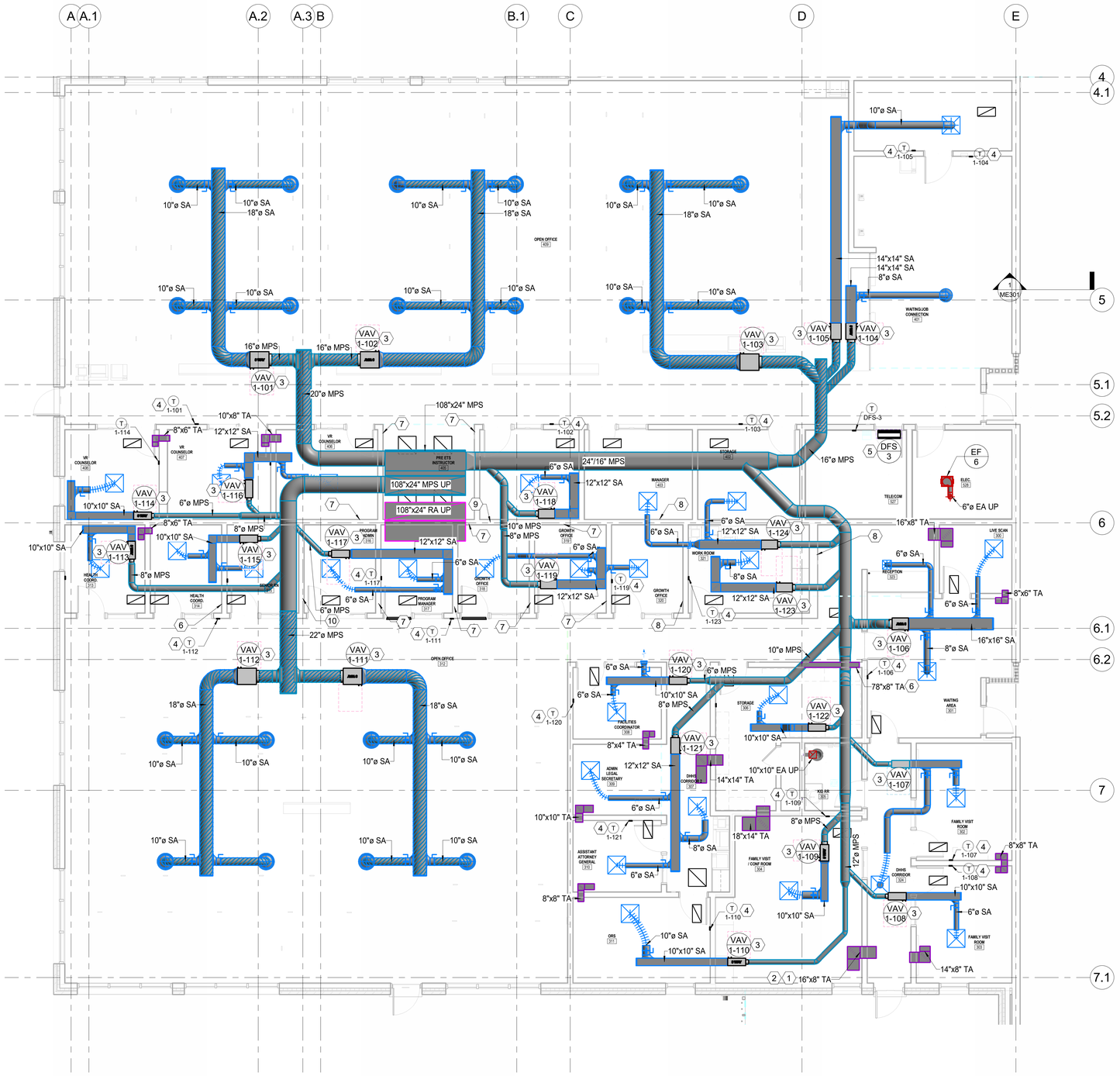

1 LEVEL 1 MECHANICAL - AREA B

3/16" = 1'-0"

SHEET NOTES

1. PROVIDE TRANSFER AIR DUCTWORK SIZED AT 500 FPM IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT ROUTING.
2. PROVIDE TRANSFER AIR SOUND BOOT ABOVE CEILING IN RETURN PLENUM.
3. PROVIDE VAV IN THIS APPROXIMATE LOCATION, FIELD VERIFY. PROVIDE NEW CONTROLLER AND TIE INTO BUILDING CONTROLS (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). SEE MECHANICAL DETAILS FOR HOT WATER CONNECTION DETAILS AND SEQUENCE OF OPERATIONS. MAINTAIN MANUFACTURERS RECOMMEND CLEARANCES.
4. PROVIDE NEW THERMOSTAT IN THIS APPROXIMATE LOCATION (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). COORDINATE THE EXACT LOCATION WITH THE ARCHITECT AND OWNER. MOUNT 48" AFF. TIE INTO THE BAS.
5. PROVIDE NEW DUCTLESS MINI-SPLIT IN THIS APPROXIMATE LOCATION, INSTALL PER MANUFACTURERS REQUIREMENTS. ROUTE CONDENSATE LINE TO NEAREST FLOOR DRAIN OR MOP SINK. FIELD VERIFY EXACT ROUTING.
6. PROVIDE 4" OPENING THROUGHOUT THE WALL FOR TRANSFER AIR IN THIS APPROXIMATE LOCATION. OPENING SIZED AT 500 FPM. FIELD VERIFY.
7. PROVIDE THE WHOLE WALL OPEN ABOVE THE CEILING SPACE IN THIS APPROXIMATE LOCATION FOR TRANSFER AIR PATH. OPENING SIZED AT 500 FPM. FIELD VERIFY.
8. PROVIDE 8" OPENING THROUGHOUT THE WALL FOR TRANSFER AIR IN THIS APPROXIMATE LOCATION. OPENING SIZED AT 500 FPM. FIELD VERIFY.
9. PROVIDE 12" OPENING THROUGHOUT THE WALL FOR TRANSFER AIR IN THIS APPROXIMATE LOCATION. OPENING SIZED AT 500 FPM. FIELD VERIFY.
10. PROVIDE 6" OPENING THROUGHOUT THE WALL FOR TRANSFER AIR IN THIS APPROXIMATE LOCATION. OPENING SIZED AT 500 FPM. FIELD VERIFY.

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ARCHITECT / CONSULTANT

PROFESSIONAL ENGINEER
04/10/2026
BRADLEY D. LASH
No. 8681468

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

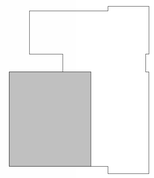
SHEET NAME:

LEVEL 1 MECHANICAL - AREA B

REVISIONS

MARK	DATE	DESCRIPTION

KEY PLAN



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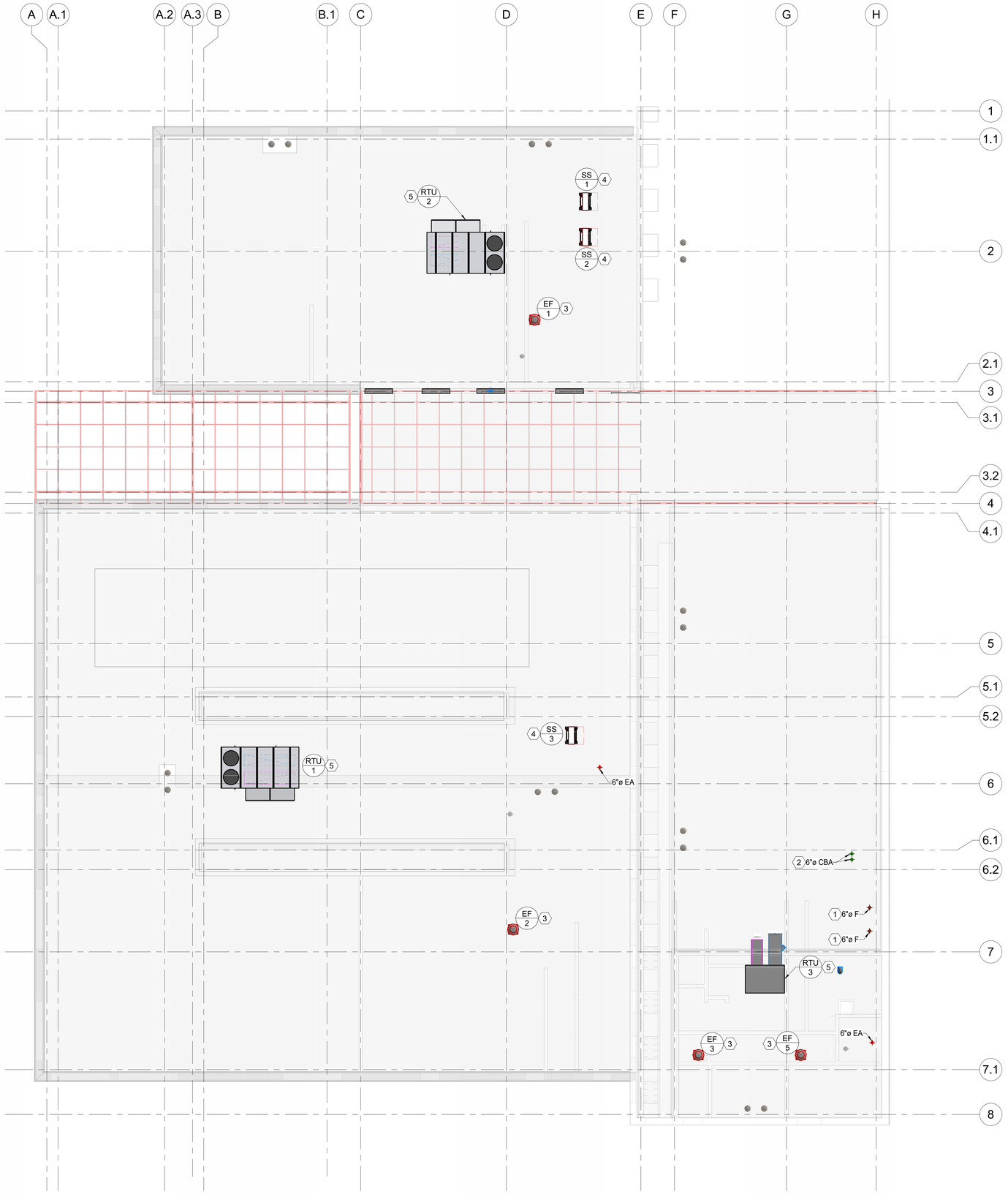

1 **ROOF MECHANICAL PLAN**
1/8" = 1'-0"

SHEET NOTES

1. PROVIDE 6" BOILER FLUE THROUGH ROOF, WITH WEATHER RATED CAP.
2. PROVIDE 6" BOILER COMBUSTION AIR DUCT THROUGH ROOF, WITH WEATHER RATED CAP.
3. PROVIDE ROOF MOUNTED EXHAUST FAN. INSTALL PER DETAILS AND MANUFACTURERS REQUIREMENTS.
4. PROVIDE ROOF MOUNTED SPLIT SYSTEM OUTDOOR CONDENSING UNIT. INSTALL PER DETAILS AND MANUFACTURERS RECOMMENDATIONS.
5. PROVIDE VAV PACKAGE ROOFTOP UNIT.

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04/10/2026
BRADLEY D. LASH
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ROOF MECHANICAL PLAN

REVISIONS

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1 **LEVEL 1 MECHANICAL PIPING PLAN**
1/8" = 1'-0"

SHEET NOTES

1 PROVIDE NEW THERMOSTAT IN THIS APPROXIMATE LOCATION (SEE SPECS FOR CONTROL SYSTEM REQUIREMENTS). COORDINATE THE EXACT LOCATION WITH THE ARCHITECT AND OWNER. MOUNT 48" AFF. TIE INTO THE BAS.

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PROFESSIONAL ENGINEER
04/10/2026
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 MECHANICAL PIPING PLAN

REVISIONS

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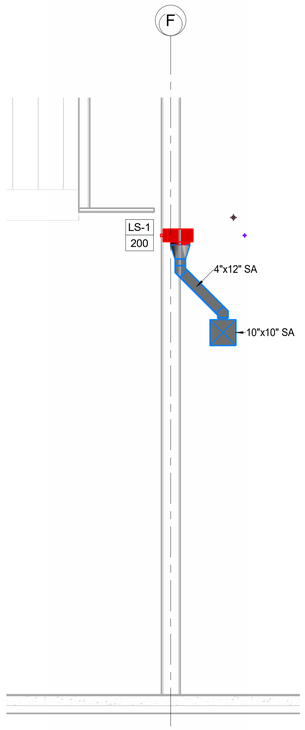
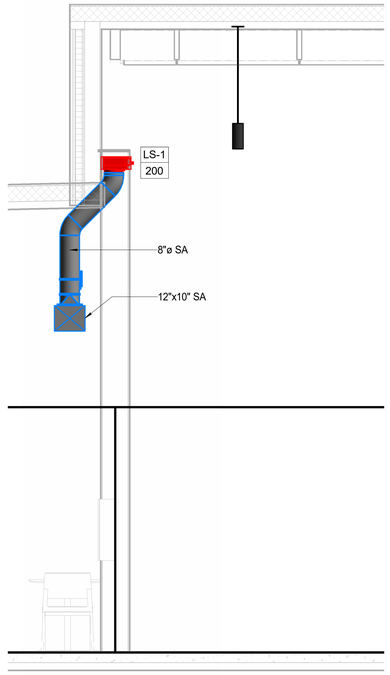


1 NORTH-SOUTH CORRIDOR DIFFUSER
1/2" = 1'-0"



2 EAST-WEST CORRIDOR DIFFUSER
1/2" = 1'-0"

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04/10/2026
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	**05/26/2026**
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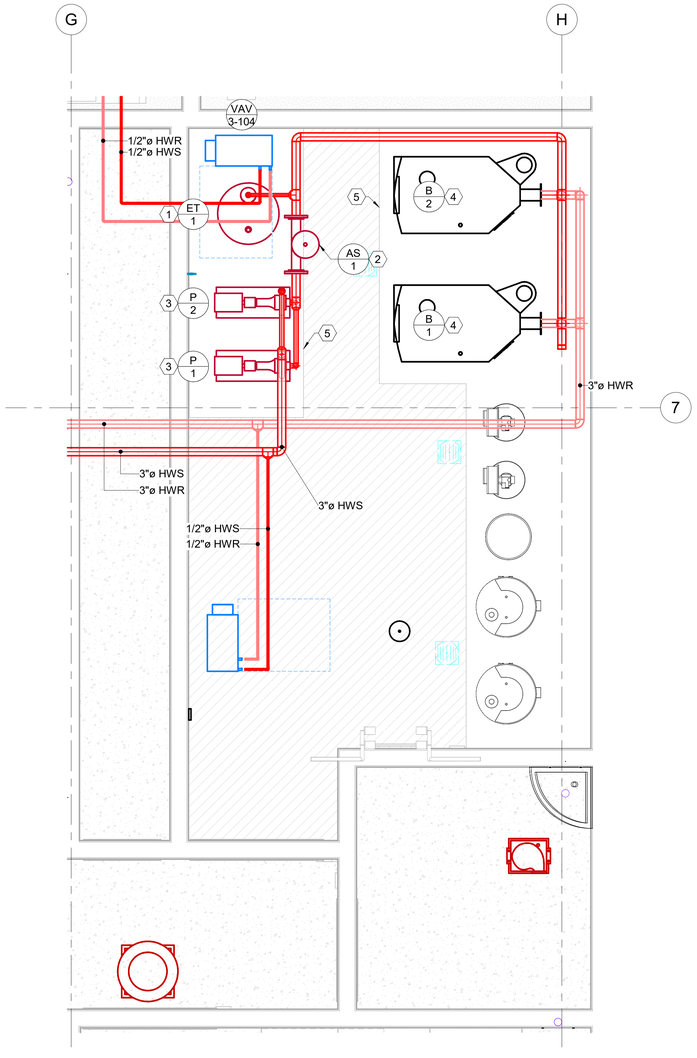
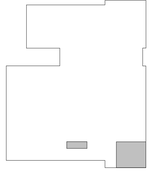


1 **ENLARGED MECHANICAL ROOM PLAN**
1/2" = 1'-0"

SHEET NOTES

1. PROVIDE EXPANSION TANK IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT PLACEMENT AND POINTS OF CONNECTION. SEE FLOW DIAGRAM, MECHANICAL SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.
2. PROVIDE AIR SEPARATOR IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT PLACEMENT AND POINTS OF CONNECTION. SEE FLOW DIAGRAM, MECHANICAL SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.
3. PROVIDE PUMP IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT PLACEMENT. SEE MECHANICAL SCHEDULE AND DETAILS.
4. PROVIDE GAS BOILER IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT PLACEMENT AND POINTS OF CONNECTION. SEE PLUMBING SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.
5. PROVIDE 4" CONCRETE PAD FOR MECHANICAL EQUIPMENT IN THIS APPROXIMATE LOCATION.

KEY PLAN



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04/10/2026
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED MECHANICAL ROOM PLAN

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	05/26/2026
ISSUE TYPE:	CONFORMED SET
DRAWN BY:	SS
CHECKED BY:	BDL
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ME401

5/21/2026 2:38:46 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/25063 Multi Agency Richfield New v24 M&P.rvt
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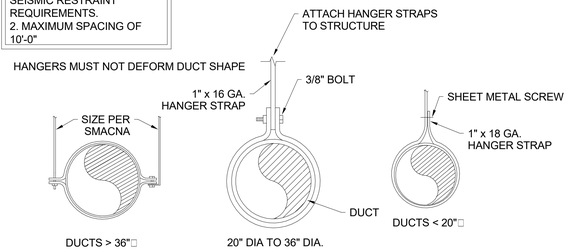
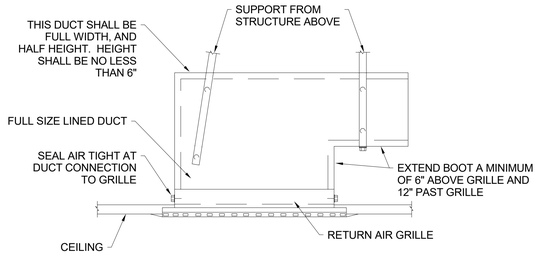
NOTES:
1. SEE SPECIFICATIONS FOR SEISMIC RESTRAINT REQUIREMENTS.
2. MAXIMUM SPACING OF 10'-0"



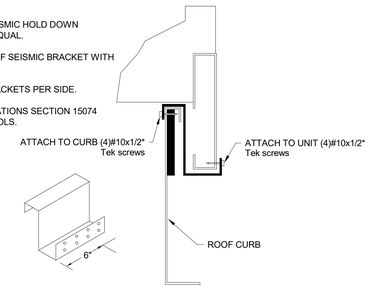
1 ROUND DUCT SUPPORT DETAIL
SCALE: NONE



2 RETURN AIR GRILLE MOUNTING DETAIL
SCALE: NONE

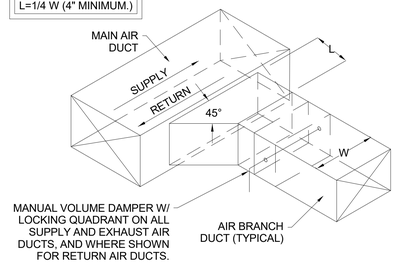
GENERAL NOTES:

1. 16 GA GALVANIZED STEEL SEISMIC HOLD DOWN BRACKETS BY MICROMETL OR EQUAL.
2. COORDINATE EXACT DEPTH OF SEISMIC BRACKET WITH ROOFTOP MANUFACTURER.
3. PROVIDE A MINIMUM OF 2 BRACKETS PER SIDE.
4. COORDINATE WITH SPECIFICATIONS SECTION 15074 VIBRATION AND SEISMIC CONTROLS.



3 ROOFTOP UNIT SEISMIC BRACKET DETAIL
SCALE: NONE

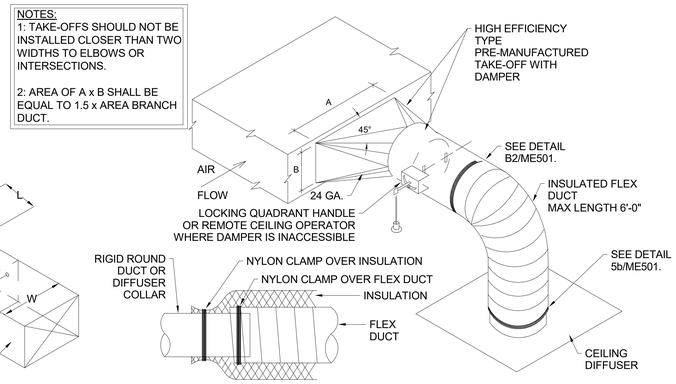
NOTE:
L=1/4 W (4" MINIMUM.)



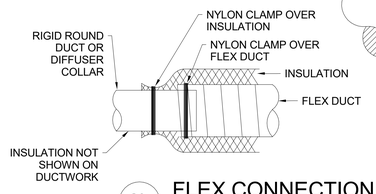
4 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
SCALE: NONE

NOTES:
1: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS.

2: AREA OF A x B SHALL BE EQUAL TO 1.5 x AREA BRANCH DUCT.

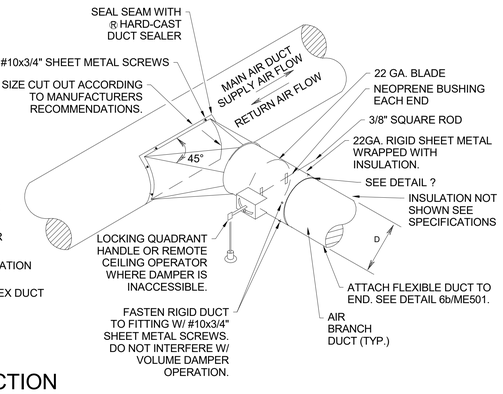


5b FLEX CONNECTION
SCALE: NONE



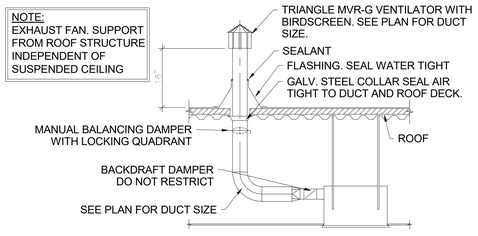
6b FLEX CONNECTION
SCALE: NONE

5 SQUARE-TO-ROUND TAKE-OFF DETAIL
SCALE: NONE

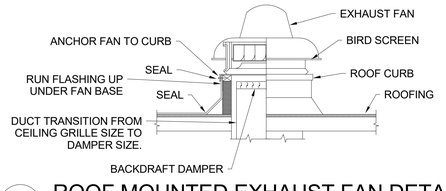


6 ROUND-TO-ROUND DUCT CONSTRUCTION DETAIL
SCALE: NONE

NOTE:
EXHAUST FAN. SUPPORT FROM ROOF STRUCTURE INDEPENDENT OF SUSPENDED CEILING



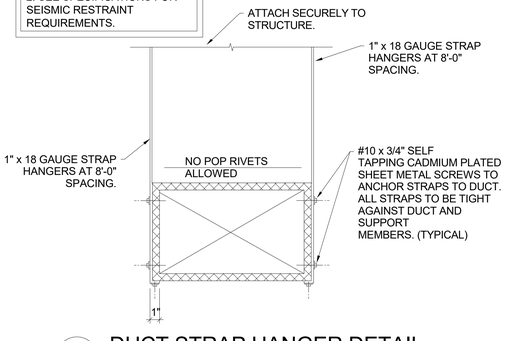
7 CEILING EXHAUST FAN DETAIL
SCALE: NONE



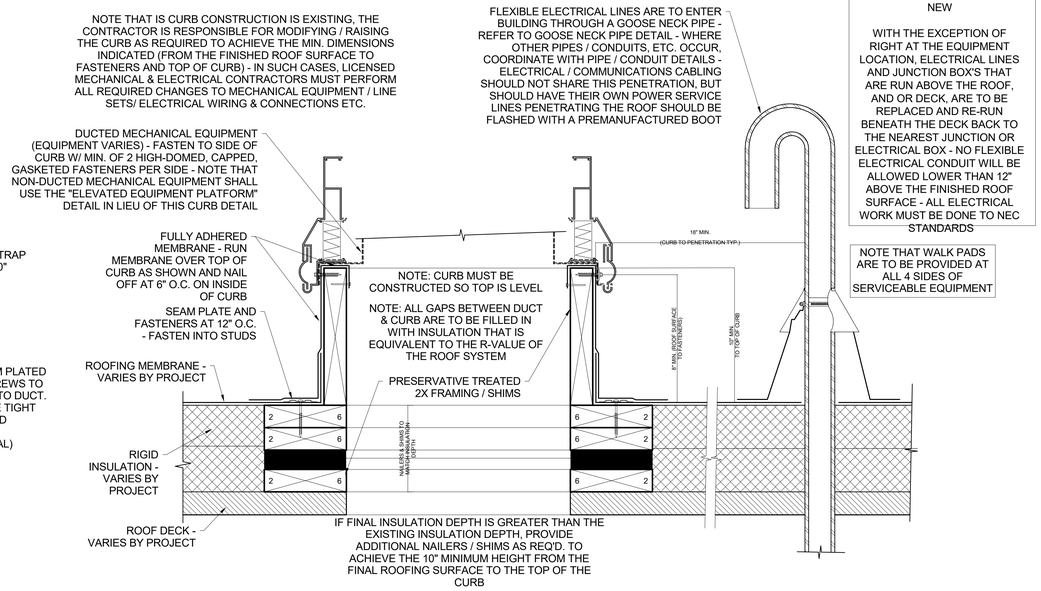
8 ROOF MOUNTED EXHAUST FAN DETAIL
SCALE: NONE

NOTES:
1. DUCT OUTSIDE OF BUILDING ENVELOPE SHALL BE WRAPPED EXTERNALLY AS PER THE SPECIFICATIONS.

2. SEE SPECIFICATIONS FOR SEISMIC RESTRAINT REQUIREMENTS.



9 DUCT STRAP HANGER DETAIL
SCALE: NONE



10 ROOF MOUNTED EQUIPMENT DETAIL
SCALE: NONE

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Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL DETAILS

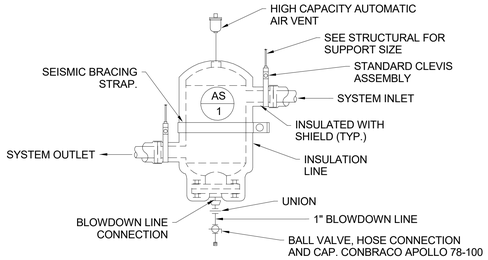
REVISIONS

MARK	DATE	DESCRIPTION

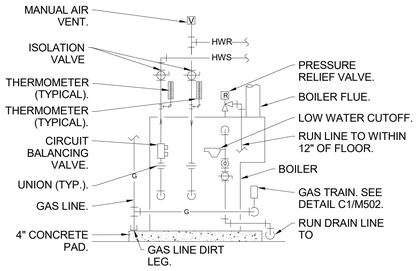
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

ME501

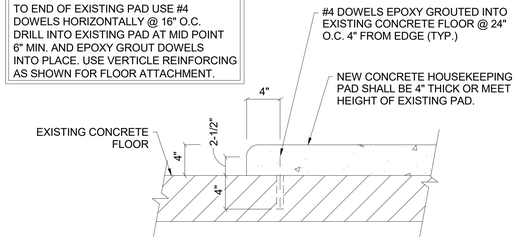


E1 AIR SEPARATOR TANK DETAIL
SCALE: NONE

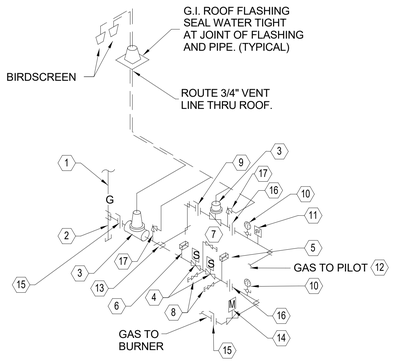


E3 HOT WATER BOILER DETAIL
SCALE: NONE

NOTE:
FOR NEW PAD EXTENSION CONNECTING TO END OF EXISTING PAD USE #4 DOWELS HORIZONTALLY @ 16" O.C. DRILL INTO EXISTING PAD AT MID POINT 6" MIN. AND EPOXY GROUT DOWELS INTO PLACE. USE VERTICLE REINFORCING AS SHOWN FOR FLOOR ATTACHMENT.

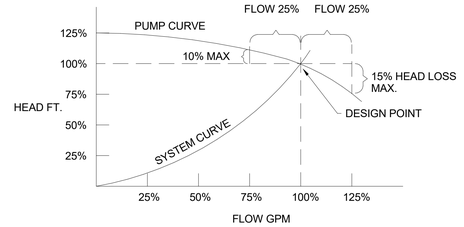


E5 HOUSEKEEPING PAD
SCALE: NONE

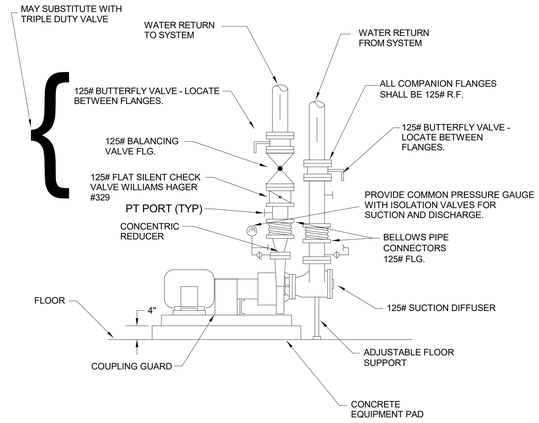


L E G E N D	
NO.	I T E M
1	GAS INLET
2	DIRT LEG FULL SIZE
3	GAS PRESSURE REGULATOR
4	MOTORIZED SAFETY VALVE
5	HIGH PRESSURE SWITCH
6	LOW PRESSURE SWITCH
7	VENT VALVE AND VENT
8	TEST COCK
9	SHUT-OFF COCK
10	PRESSURE GUAGE
11	SOLENOID VALVE
12	GAS TO PILOT
13	GAS TAKE-OFF TO PILOT
14	MOTORIZED MODULATING VALVE
15	SHUT-OFF VALVE
16	UNION
17	RELIEF VALVE-VENT TO ATMOSPHERE

C1 CSD-1 AUTO-IGNITION GAS TRAIN DETAIL
SCALE: NONE



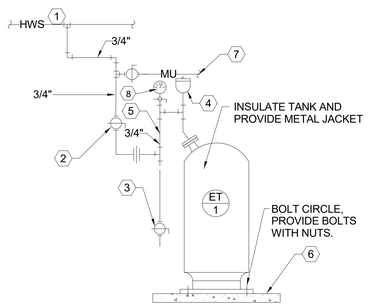
C4 PUMP CURVE DETAIL
SCALE: NONE



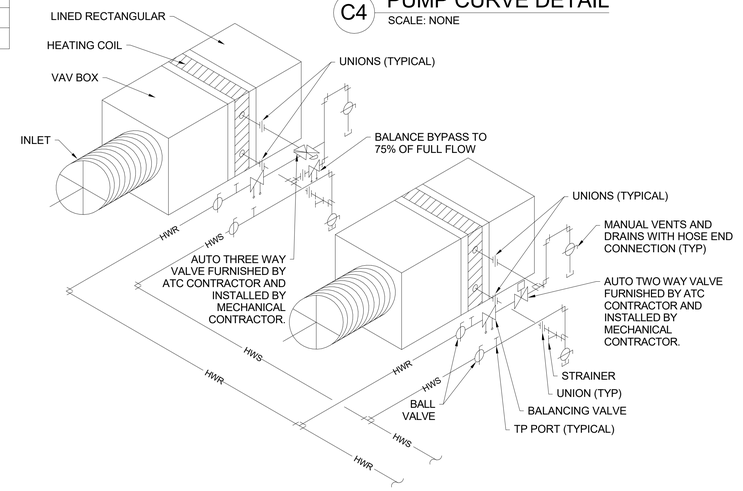
C5 BASE MTD. PUMP PIPING DETAIL
SCALE: NONE

DETAIL NOTES:

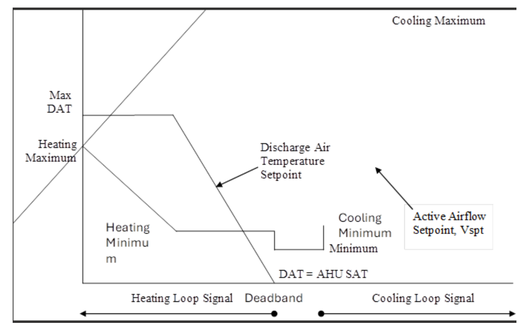
1. CONNECT TO SIDE OF HOT WATER SUPPLY MAIN. AVOID TOP OR BOTTOM CONNECTION TO PREVENT AIR OR DEBRIS FROM ENTERING PIPE TO TANK.
2. SHUT OFF BALL VALVE. REQUIRED TO PROPERLY PRECHARGE TANK.
3. DRAIN VALVE.
4. AUTOMATIC AIR VENT. BELL & GOSSETT MODEL #7 OR #87.
5. ANTI-THERMO-SYPHON LOOP. 12" MINIMUM DROP.
6. NEW HOUSEKEEPING PAD SEE DETAIL A2 THIS SHEET.
7. NEW 3/4" MAKE-UP WATER LINE. SEE DETAIL.
8. PRESSURE GAUGE -O- 60 PSIG WITH GUAGE COCK.



B1 EXPANSION TANK DETAIL
SCALE: NONE

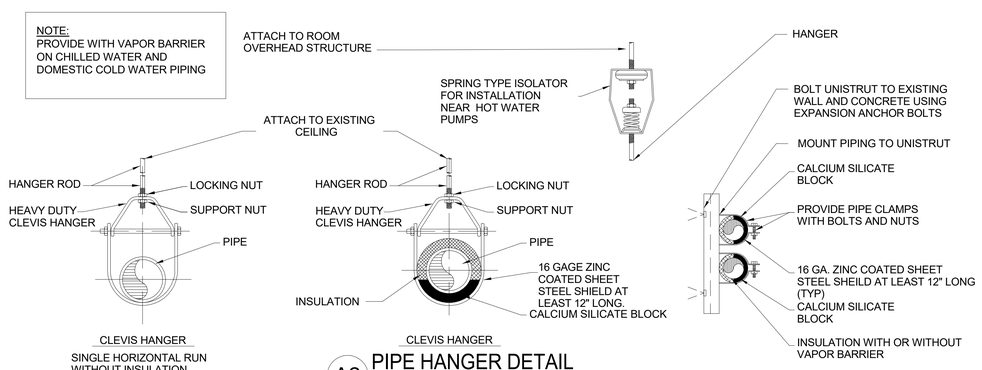


B3 VAV BOX (W/ RE-HEATING COIL) HOT WATER PIPING DETAIL
SCALE: NONE

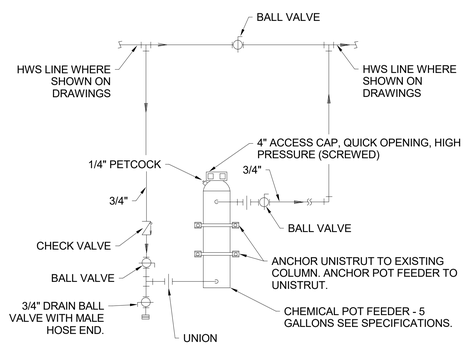


B5 VAV BOX W/ REHEAT COIL SEQUENCE DETAIL
SCALE: NONE

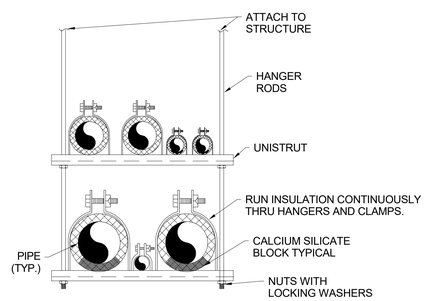
NOTE:
PROVIDE WITH VAPOR BARRIER ON CHILLED WATER AND DOMESTIC COLD WATER PIPING



A2 PIPE HANGER DETAIL



A4 CHEMICAL TREATMENT SCHEME
SCALE: NONE



A6 TRAPEZE PIPE HANGER DETAIL
SCALE: NONE

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DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**SS**
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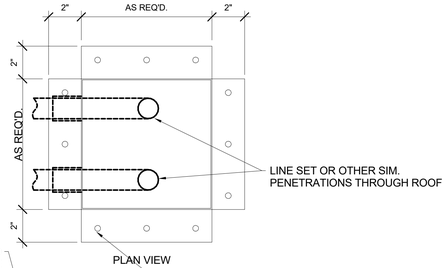
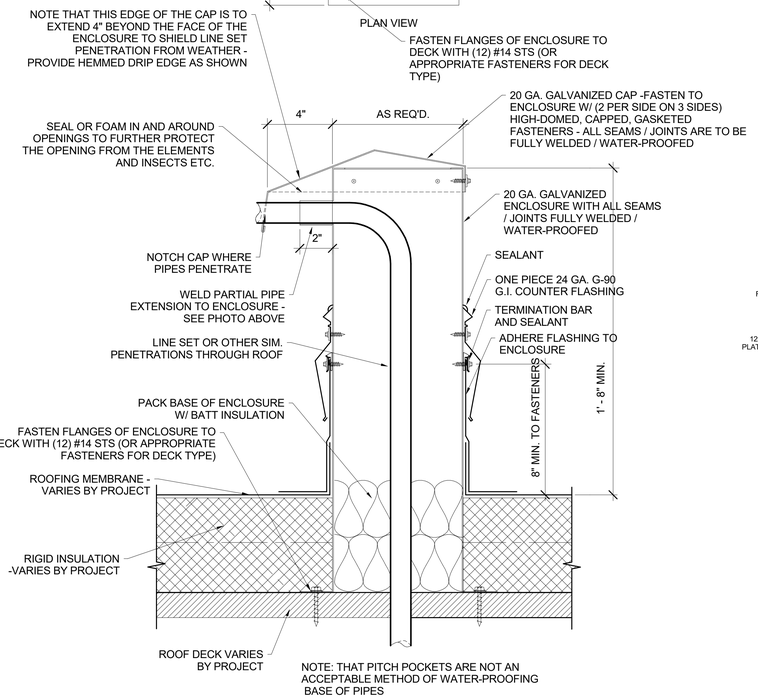
PROJECT#:	**2023-41**

SHEET NUMBER:

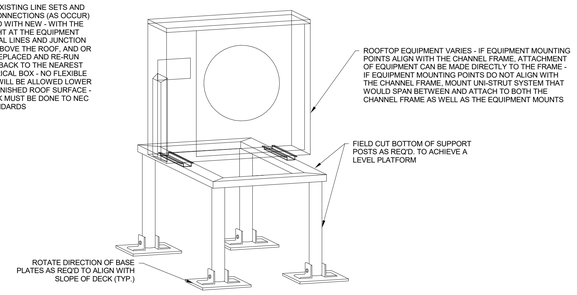
ME502

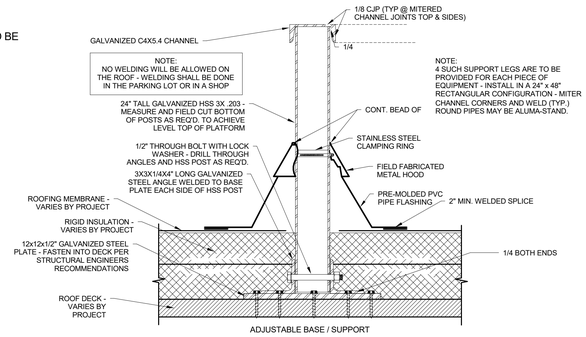




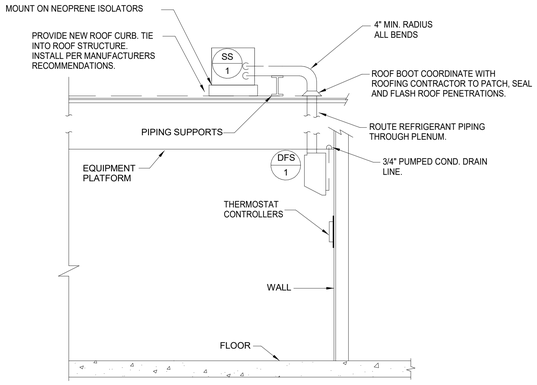
C2 LINE SET ENCLOSURE
SCALE: NONE

TYPICAL NOTE: ALL EXISTING LINE SETS AND ELECTRICAL LINES / CONNECTIONS (AS OCCUR) ARE TO BE REPLACED WITH NEW - WITH THE EXCEPTION OF RIGHT AT THE EQUIPMENT LOCATION. ELECTRICAL LINES AND JUNCTION BOX'S THAT ARE RUN ABOVE THE ROOF, AND OR DECK, ARE TO BE REPLACED AND RE-RUN BENEATH THE DECK BACK TO THE NEAREST JUNCTION OR ELECTRICAL BOX - NO FLEXIBLE ELECTRICAL CONDUIT WILL BE ALLOWED LOWER THAN 12" ABOVE THE FINISHED ROOF SURFACE - ALL ELECTRICAL WORK MUST BE DONE TO NEC STANDARDS





D4 ROOF TOP CONDENSER AND HEAT PUMP STAND
SCALE: NONE



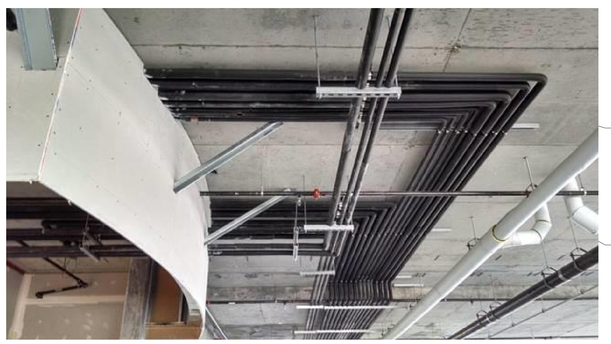
E6 SPLIT SYSTEM UNITS
ROOFTOP CONDENSING UNIT DETAIL
SCALE: NONE

CONDENSATE PIPE SIZING

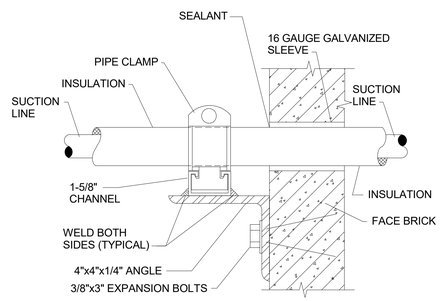
TONNAGE RANGE	PIPE SIZE
0-20	3/4"
20-40	1"
40-90	1-1/4"
90-125	1-1/2"
125-250	2"

REFRIGERANT PIPING LEGEND

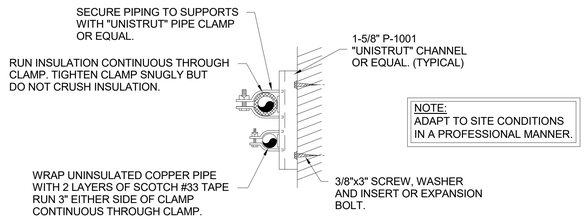
SYMBOL	DESCRIPTION
	EXPANSION VALVE. SEE DETAIL
	MOISTURE INDICATING SIGHT GLASS
	FLEXIBLE CONNECTION
F	FILTER DRIER
	PIPE SUPPORT. SEE DETAILS
	EXTERIOR PIPE SUPPORT. SEE DETAIL
	TRAP. ONE PIECE FACTORY FABRICATED
	DIRECTION OF SLOPE DOWN
S	SUCTION LINE
L	LIQUID LINE



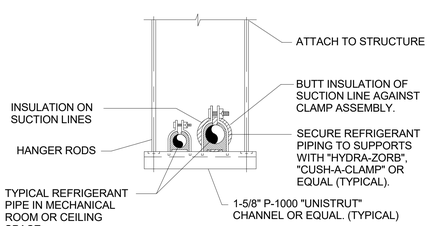
B2 REFRIGERANT PIPING DETAIL
SCALE: NONE



B4 REFRIGERANT PIPE SUPPORT AT WALL
SCALE: NONE



B6 SUSPENDED REFRIGERANT PIPE SUPPORT AT WALL
SCALE: NONE



A6 SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
SCALE: NONE

5/21/2026 2:38:46 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/25063 Multi Agency Richfield New v24 M&P.rvt
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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL DETAILS

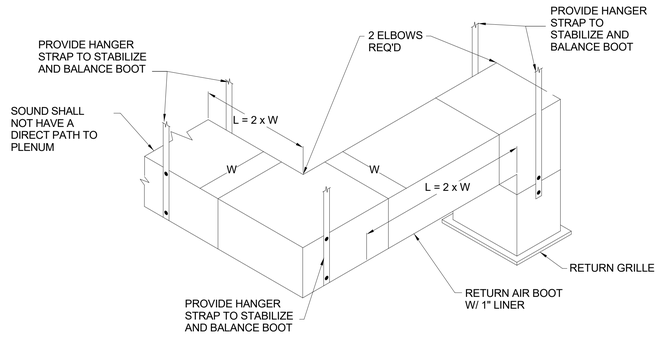
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

ME503



A5 EXTENDED RETURN AIR SOUND BOOT DETAIL

SCALE: NONE

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PROFESSIONAL ENGINEER
04/10/2026
BRADLEY D. LASH
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**SS**
CHECKED BY:	**BDL**
PROJECT#:	**2023-41**

SHEET NUMBER:

ME504

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ROOF TOP UNIT SCHEDULE

TAG		AREA SERVED	CFM	CFM (OUTSIDE AIR)	ESP	HEATING						COOLING					ELECTRICAL						SEER (3-5 TON) EER (7.5+ TON)	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#					MINIMUM INPUT (BTU/HR)	MAXIMUM INPUT (BTU/HR)	MINIMUM OUTPUT (BTU/HR)	MAXIMUM OUTPUT (BTU/HR)	EAT (DB)	LAT (DB)	EAT (DB)	EAT (WB)	LAT (DB)	LAT (WB)	TOTAL LOAD (BTU/HR)	VOLTAGE	PHASE	FREQUENCY	# OF COMPRESSORS	MCA	MOCP				
RTU	1	WEST SIDE	14,000 CFM	2,800 CFM	3 in-wg	152,000 Btu/h	400,000 Btu/h	123,100 Btu/h	324,000 Btu/h	56 °F	91 °F	80 °F	62 °F	53 °F	51 °F	419,630 Btu/h	208 V	3	60 Hz	2	254 A	300 A	10.3	5,879 lb	CARRIER 48K3GU40	1,2,3,4,5,6,7,8,9
RTU	2	NORTH SIDE	7,000 CFM	1,400 CFM	3 in-wg	133,000 Btu/h	350,000 Btu/h	107,700 Btu/h	283,500 Btu/h	56 °F	96 °F	80 °F	62 °F	53 °F	52 °F	261,600 Btu/h	208 V	3	60 Hz	2	180 A	225 A	10.3	4,625 lb	CARRIER 48K3GU26	1,2,3,4,5,6,7,8,9
RTU	3	EAST SIDE	5,000 CFM	1,000 CFM	1.35 in-wg	99,700 Btu/h	124,700 Btu/h	81,500 Btu/h	100,600 Btu/h	56 °F	95 °F	80 °F	62 °F	54 °F	53 °F	135,760 Btu/h	208 V	3	60 Hz	2	72 A	80 A	12	1,248 lb	CARRIER 48FCDM14M3A5	1,2,3,4,5,6,7,8,9

1. PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN AIR FOR ALL UNITS OVER 2,000 CFM.
2. RATED MINIMUM INPUT AT 5354'.
3. PROVIDE ONE 15 AMP, 120 VOLT, DUPLEX GFCI SERVICE OUTLET. FACTORY INSTALLED, FIELD WIRED.
4. ESP DOES NOT INCLUDE LOSSES THROUGH ACCESSORIES.
5. PROVIDE WITH ROOF CURB AND SEISMIC HOLD DOWN CLIPS
6. PROVIDE 100% OUTSIDE AIR ECONOMIZER.
7. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
8. PROVIDE VOLTAGE AND PHASE MONITORS.
9. SEE SPECIFICATIONS FOR APPROVED ALTERNATE REFRIGERANTS.

EXHAUST FAN SCHEDULE

TAG		AREA SERVED	CFM	ESP	ELECTRICAL					MAX SONES	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#				VOLTAGE	PHASE	FREQUENCY	RPM	HP				
EF	1	NORTH RR	600 CFM	0.40 in-wg	120 V	1	60 Hz	1725	0.17 hp	7.5	36 lb	COOK ACEB	1,4,5
EF	2	KIDS RR	75 CFM	0.40 in-wg	120 V	1	60 Hz	1725	0.4 hp	4.2	36 lb	COOK ACEB	1,4,5
EF	3	SOUTH RR	500 CFM	0.40 in-wg	120 V	1	60 Hz	1550	0.13 hp	8.5	22 lb	COOK ACED	1,4,5
EF	4	JANITORS CLOSET	50 CFM	0.40 in-wg	120 V	1	60 Hz	750	0.03 hp	1.3	12 lb	COOK GC	3,4
EF	5	DFCM WORKSHOP	350 CFM	0.30 in-wg	120 V	1	60 Hz	1050	0.1 hp	6	29 lb	COOK ACED	2,4,5
EF	6	528 ELECTRICAL ROOM	100 CFM	0.45 in-wg	120 V	1	60 Hz	1075	0.04 hp	3	12 lb	COOK GC	3,4

1. TIE INTO BAS WITH A DEDICATED SCHEDULE AND PROGRAM INITIALLY TO RUN CONTINUOUSLY DURING OCCUPIED HOURS.
2. INTERLOCK FAN WITH A SWITCH.
3. TIE INTO BAS AND PROGRAM TO RUN CONTINUOUSLY.
4. SEE SPECIFICATIONS FOR APPROVED ALTERNATE MANUFACTURERS.
5. COORDINATE WITH DIV 26 TO PROVIDE STARTER AND DISCONNECT.

DIFFUSER AND GRILLE SCHEDULE

TAG	MAX FLOW	FACE SIZE		NECK SIZE		LINEAR SLOT		CEILING TYPE	BLOW PATTERN	THROW @ 50 FPM	MAX NC	MANUF & MODEL	SCHEDULE NOTES
		LENGTH/ DIAMETER	WIDTH	LENGTH/ DIAMETER	WIDTH	SLOT QTY	SLOT WIDTH						
D-1	180 CFM	12"	12"	6"	0"			HARD	4 WAY	10'	25	PRICE SPD	<varies>
D-2	300 CFM	12"	12"	8"	0"			HARD	4 WAY	13'	25	PRICE SPD	1,2
D-3	320 CFM	24"	24"	10"	0"			HARD	4 WAY	11'	25	PRICE SPD	1,2
D-4	320 CFM	24"	24"	8"	0"			LAY-IN	4 WAY	10'	25	PRICE SPD	1,2
D-5	500 CFM	24"	24"	10"	0"			LAY-IN	4 WAY	11'	25	PRICE SPD	1,2
D-6	325 CFM	14"	0"	8"	0"			HARD	4 WAY	0'	25	PRICE RPD	1,2
D-7	300 CFM	22 1/2"	0"	10"	0"			HARD	1 WAY	0'	25	PRICE RPD	1,2
D-8	500 CFM	27"	0"	12"	0"			HARD	4 WAY	16'	25	PRICE RPD	1,2
D-9	200 CFM	24"	24"	6"	0"			LAY-IN	4 WAY	8'	25	PRICE SPD	1,2
EG-1	250 CFM	10"	10"	10"	10"			HARD	N/A	0'	25	PRICE 535	1,2
LS-1	450 CFM	60"	12"	8"	0"	2	1	HARD	1 WAY	23'	25	PRICE SDS	1,2,3
LS-2	200 CFM	48"	12"	8"	0"	1	1	HARD	1 WAY	23'	25	PRICE SDS	1,2,3
R-1	180 CFM	8"	8"	8"	8"			HARD	N/A	0'	25	PRICE 535	1,2
R-2	600 CFM	16"	16"	16"	16"			HARD	N/A	0'	25	PRICE 535	1,2
R-6	600 CFM	24"	12"	24"	12"			LAY-IN	N/A	0'	25	PRICE 535	1,2
R-7	1,200 CFM	24"	24"	24"	24"			LAY-IN	N/A	0'	25	PRICE 535	1,2
R-8	1,200 CFM	14"	30"	12"	28"			HARD	N/A	0'	25	PRICE 535	1,2
SWEG-1	350 CFM	14"	14"	12"	12"			SIDEWALL	1 WAY	0'	25	PRICE 535	1,2
SWR-1	2,570 CFM	32"	20"	30"	18"			SIDEWALL	N/A/	0'	30	PRICE 535	1,2
SWS-1	150 CFM	0"	0"	0"	0"			SIDEWALL	1 WAY	0'	25	PRICE RCG	1,2
SWS-2	800 CFM	122"	5"	120"	3"			SIDEWALL	1 WAY	0'	25	PRICE LBP 16A	1,2
TG-1	200 CFM	8"	8"	8"	8"			HARD	N/A	0'	25	PRICE 535	1,2

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. FINISH SHALL BE SPECIFIED BY ARCHITECT.
3. PROVIDE WITH SDB PLENUM OR APPROVED EQUAL.

ELECTRIC BASEBOARD HEATER SCHEDULE

TAG		AREA SERVED	LENGTH	HEATING INPUT (WATTS)	ELECTRICAL			OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#				VOLTAGE	PHASE	FREQUENCY			
EBB	1	FIRE RISER	2' - 4"	750 W	120 V	1	60 Hz	10 lb	QMC2513W	1,2,3
EBB	2	VESTIBULE 283	2' - 4"	750 W	120 V	1	60 Hz	10 lb	QMC2513W	1,2,3

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. PROVIDE WITH INTEGRAL THERMOSTAT
3. PROVIDE WITH STANDARD BAKED ENAMEL FINISH WITH COLOR SELECTED BY ARCHITECT.

LOUVER SCHEDULE

TAG	AREA SERVED	MAX FLOW	FACE SIZE		MIN FREE AREA	MAX VELOCITY	MAX NC	MANUF & MODEL	SCHEDULE NOTES
			HEIGHT	WIDTH					
L-1	MECHANICAL ROOM	300 CFM	16"	24"	0.8 ft²	500 ft/min	25	RUSKIN L811	1,2

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. FINISH SHALL BE SPECIFIED BY ARCHITECT.

VAV SCHEDULE

TAG		INLET SIZE	MAX CFM	MIN CFM	HEATING							VALVE CONFIGURATION	MAX NC	MANUF. & MODEL	SCHEDULE NOTES
TYPE	#				EAT	LAT	HTG CFM	HTG BTU/HR	EWT	GPM	PIPE SIZE	ROWS			
VAV	1-101	16"	1,800 CFM	600 CFM	65.0 °F	101.2 °F	1,800 CFM	58,400 Btu/h	160 °F	3.5 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-102	16"	1,800 CFM	600 CFM	65.0 °F	101.2 °F	1,800 CFM	58,400 Btu/h	160 °F	3.5 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-103	16"	1,800 CFM	600 CFM	65.0 °F	101.2 °F	1,800 CFM	58,400 Btu/h	160 °F	3.5 GPM	3/4"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-104	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-105	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-106	10"	500 CFM	170 CFM	65.0 °F	103.9 °F	500 CFM	17,500 Btu/h	160 °F	1 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-107	8"	225 CFM	75 CFM	65.0 °F	104.8 °F	225 CFM	8,100 Btu/h	160 °F	0.4 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-108	6"	175 CFM	60 CFM	65.0 °F	103.4 °F	175 CFM	6,100 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-109	8"	400 CFM	135 CFM	65.0 °F	100.5 °F	400 CFM	12,800 Btu/h	160 °F	0.7 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-110	6"	200 CFM	70 CFM	65.0 °F	100.4 °F	200 CFM	6,400 Btu/h	160 °F	0.3 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-111	16"	1,800 CFM	600 CFM	65.0 °F	101.2 °F	1,800 CFM	58,400 Btu/h	160 °F	3.5 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-112	16"	1,800 CFM	600 CFM	65.0 °F	101.2 °F	1,800 CFM	58,400 Btu/h	160 °F	3.5 GPM	3/4"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-113	6"	125 CFM	45 CFM	65.0 °F	103.8 °F	125 CFM	4,400 Btu/h	160 °F	0.2 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-114	6"	125 CFM	45 CFM	65.0 °F	103.8 °F	125 CFM	4,400 Btu/h	160 °F	0.3 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	1-115	6"	200 CFM	70 CFM	65.0 °F	100.4 °F	200 CFM	6,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-116	8"	250 CFM	85 CFM	65.0 °F	102.3 °F	250 CFM	8,400 Btu/h	160 °F	0.4 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-117	6"	200 CFM	70 CFM	65.0 °F	100.4 °F	200 CFM	6,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-118	6"	125 CFM	45 CFM	65.0 °F	103.8 °F	125 CFM	4,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-119	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-120	6"	200 CFM	70 CFM	65.0 °F	100.4 °F	200 CFM	6,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-121	8"	350 CFM	120 CFM	65.0 °F	104.4 °F	350 CFM	12,400 Btu/h	160 °F	0.8 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-122	6"	200 CFM	70 CFM	65.0 °F	100.4 °F	200 CFM	6,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-123	6"	200 CFM	70 CFM	65.0 °F	100.4 °F	200 CFM	6,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	1-124	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-101	8"	250 CFM	85 CFM	65.0 °F	102.3 °F	250 CFM	8,400 Btu/h	160 °F	0.4 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	2-102	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-103	6"	200 CFM	70 CFM	65.0 °F	103.0 °F	200 CFM	6,900 Btu/h	160 °F	0.4 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-104	6"	150 CFM	50 CFM	65.0 °F	103.4 °F	150 CFM	5,300 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-105	8"	250 CFM	85 CFM	65.0 °F	102.3 °F	250 CFM	8,400 Btu/h	160 °F	0.4 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	2-106	8"	275 CFM	95 CFM	65.0 °F	103.8 °F	275 CFM	9,600 Btu/h	160 °F	0.5 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-107	12"	1,000 CFM	335 CFM	65.0 °F	100.8 °F	1,000 CFM	32,100 Btu/h	160 °F	2 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	2-108	14"	1,150 CFM	385 CFM	65.0 °F	104.8 °F	1,150 CFM	41,100 Btu/h	160 °F	2.5 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	2-109	6"	125 CFM	45 CFM	65.0 °F	103.8 °F	125 CFM	4,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-110	8"	400 CFM	135 CFM	65.0 °F	103.8 °F	400 CFM	14,500 Btu/h	160 °F	0.9 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-111	12"	1,000 CFM	335 CFM	65.0 °F	101.2 °F	1,000 CFM	32,100 Btu/h	160 °F	2 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	2-112	8"	250 CFM	85 CFM	65.0 °F	102.3 °F	250 CFM	8,400 Btu/h	160 °F	0.4 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-113	8"	650 CFM	135 CFM	65.0 °F	103.1 °F	650 CFM	28,400 Btu/h	160 °F	0.9 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	2-114	8"	200 CFM	85 CFM	65.0 °F	102.3 °F	200 CFM	8,400 Btu/h	160 °F	0.4 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	2-115	12"	800 CFM	270 CFM	65.0 °F	102.0 °F	800 CFM	26,600 Btu/h	160 °F	1.5 GPM	1/2"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	3-101	8"	350 CFM	120 CFM	65.0 °F	104.4 °F	350 CFM	12,400 Btu/h	160 °F	0.8 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-102	16"	1,500 CFM	500 CFM	65.0 °F	103.3 °F	1,500 CFM	51,400 Btu/h	160 °F	3 GPM	3/4"	2	3 WAY	25	PRICE SDV	1,2,3
VAV	3-103	8"	350 CFM	120 CFM	65.0 °F	104.4 °F	350 CFM	12,400 Btu/h	160 °F	0.8 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-104	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-105	8"	475 CFM	160 CFM	65.0 °F	101.4 °F	475 CFM	15,600 Btu/h	160 °F	1 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-106	8"	300 CFM	100 CFM	65.0 °F	104.7 °F	300 CFM	10,700 Btu/h	160 °F	0.6 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-107	6"	125 CFM	45 CFM	65.0 °F	103.8 °F	125 CFM	4,400 Btu/h	160 °F	0.3 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-108	6"	250 CFM	85 CFM	65.0 °F	100.0 °F	250 CFM	7,900 Btu/h	160 °F	0.4 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-109	6"	275 CFM	95 CFM	65.0 °F	103.8 °F	275 CFM	9,600 Btu/h	160 °F	0.5 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-110	6"	275 CFM	95 CFM	65.0 °F	103.8 °F	275 CFM	9,600 Btu/h	160 °F	0.5 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3
VAV	3-111	8"	800 CFM	270 CFM	65.0 °F	102.3 °F	800 CFM	26,600 Btu/h	160 °F	1.5 GPM	1/2"	2	2 WAY	25	PRICE SDV	1,2,3

1. PROVIDE PRICE, KRUEGER, TITUS, NAILOR, TUTTLE AND BAILEY, CARNES, METALAIRE, OR PRIOR APPROVED EQUAL.
2. SOUND PERFORMANCE SELECTED AT 1.5" STATIC PRESSURE DROP ACROSS BOX.
3. SEE VAV PIPING AND VAV SEQUENCE DETAIL.

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ARCHITECT / CONSULTANT



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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
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PROJECT#: **2023-41**

SHEET NUMBER:

ME601

BOILER SCHEDULE

TAG		AREA SERVED	HEATING		WATER TEMP		DESIGN GPM	MINIMUM GPM	PRESSURE DROP	GLYCOL PERCENTAGE	ELECTRICAL			OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#		INPUT (BTU/HR)	OUTPUT (BTU/HR)	EWT	LWT					VOLTAGE	PHASE	FREQUENCY			
B	1	BUILDING	999,000 Btu/h	961,000 Btu/h	120 °F	160 °F	48 GPM	18 GPM	8.3 ftH2O	0	120 V	1	60 Hz	1,939 lb	LOCHINVAR FCB1000	1,2,3,4,5,6
B	2	BUILDING	999,000 Btu/h	961,000 Btu/h	120 °F	160 °F	48 GPM	18 GPM	8.3 ftH2O	0	120 V	1	60 Hz	1,939 lb	LOCHINVAR FCB1000	1,2,3,4,5,6

1. BOILER RATINGS ARE FOR SEA LEVEL.
2. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
3. PROVIDE AL29-4C FLUES. VERIFY SIZE WITH MANUFACTURER.
4. PROVIDE 120 V CONTROL CIRCUIT.
5. PROVIDE CSD-1 GAS TRAIN. BOILER MANUFACTURER SHALL PROVIDE ALL GAS TRIM WITH BOILER.
6. PROVIDE CONDENSATE NUETRALIZATION KIT. SIZED PER MANUFACTURERS RECOMMENDATIONS.

PUMP SCHEDULE

TAG		AREA SERVED	PUMP TYPE	GPM	HEAD	SUCTION SIZE	DISCHARGE SIZE	ELECTRICAL					OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#							VOLTAGE	PHASE	FREQUENCY	HP	SPEED			
P	1	BUILDING	END SUCTION	50 GPM	60 ftH2O	1.5"	1.25"	208 V	3	60 Hz	2 hp	1,750	140 lb	B&G E-1510 1.25AS-ES	1,2,3,4
P	2	BUILDING	END SUCTION	50 GPM	60 ftH2O	1.5"	1.25"	208 V	3	60 Hz	2 hp	1,750	140 lb	B&G E-1510 1.25AS-ES	1,2,3,4

1. PROVIDE BELL AND GOSSETT, TACO, GRUNDFOSS, ARMSTRONG, FLOFAB, PACO, PATTERSON, OR PRIOR APPROVED EQUAL.
2. PROVIDE REMOVABLE INSULATION KIT AROUND PUMP SUCTION.
3. ALL PUMPS SHALL BE SIZED IN THE MIDDLE PART OF THE CURVE. SEE DETAIL.
4. DIV 26 TO PROVIDE VFD FOR THE PUMP.

SPLIT SYSTEM SCHEDULE - INDOOR UNIT

TAG		AREA SERVED	COOLING (BTU/HR)	ELECTRICAL					OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#			VOLTAGE	PHASE	FREQUENCY	MCA	MOCP			
DFS	1	TELECOM 526	24,000 Btu/h	208 V	1	60 Hz	1 A	26 A	46 lb	MITSUBISHI PKA-A24KA8	1,2,3,4,5,6
DFS	2	ELECTRICAL 510	24,000 Btu/h	208 V	1	60 Hz	1 A	26 A	46 lb	MITSUBISHI PKA-A24KA8	1,2,3,4,5,6
DFS	3	TELECOM 527	24,000 Btu/h	208 V	1	60 Hz	1 A	26 A	46 lb	MITSUBISHI PKA-A24KA8	1,2,3,4,5,6

1. CURRENT REFRIGERANT.
2. PROVIDE MITSUBISHI, LG, DAIKIN, FUJITSU, OR PRIOR APPROVED EQUAL.
3. PROVIDE WITH INTEGRAL CONDENSATE PUMP. ROUTE CONDENSATE LINE TO NEAREST FLOOR DRAIN OR FUNNEL DRAIN.
4. PROVIDE WITH INDIVIDUAL ZONE THERMOSTAT.
5. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
6. WALL MOUNTED UNIT.

SPLIT SYSTEM SCHEDULE - OUTDOOR UNIT

TAG		INDOOR UNIT SERVED	COOLING (BTU/HR)	ELECTRICAL					SEER	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#			VOLTAGE	PHASE	FREQUENCY	MCA	MOCP				
SS	1	DFS-1	24,000 Btu/h	208 V	1	60 Hz	19 A	26 A	21	160 lb	MITSUBISHI PUY-A24NHA7	1,2,3,4
SS	2	DFS-2	24,000 Btu/h	208 V	1	60 Hz	19 A	26 A	21	160 lb	MITSUBISHI PUY-A24NHA7	1,2,3,4
SS	3	DFS-3	24,000 Btu/h	208 V	1	60 Hz	19 A	26 A	21	160 lb	MITSUBISHI PUY-A24NHA7	1,2,3,4

1. CURRENT REFRIGERANT.
2. PROVIDE MITSUBISHI, LG, DAIKIN, FUJITSU, OR PRIOR APPROVED EQUAL.
3. PROVIDE LOW AMBIENT KIT. UNIT SHALL PROVIDE COOLING OPERATION AT 0 DEGREES AMBIENT.
4. SEE SPECIFICATIONS FOR APPROVED ALTERNATE REFRIGERANTS.

AIR SEPARATOR SCHEDULE

TAG		AREA SERVED	GPM	MAX PRESSURE DROP	INLET SIZE	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#							
AS	1	MECHANICAL ROOM	50 GPM	1.0 ftH2O	3"	108 lb	B&G R-3N	1

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.

EXPANSION TANK SCHEDULE

TAG		AREA SERVED	ACCEPTANCE VOLUME	LENGTH	DIAMETER	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#							
ET	1	HEATING WATER	106 gal	65"	24"	1,184 lb	B&G B-400	1,2

1. SEE SPECIFICATION FOR OTHER APPROVED MANUFACTURERS.
2. FIELD VERIFY CHARGE TO MATCH FILL PRESSURE PRIOR TO OPENING TO SYSTEM

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No. 8681468

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
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PROJECT#: **2023-41**

SHEET NUMBER:

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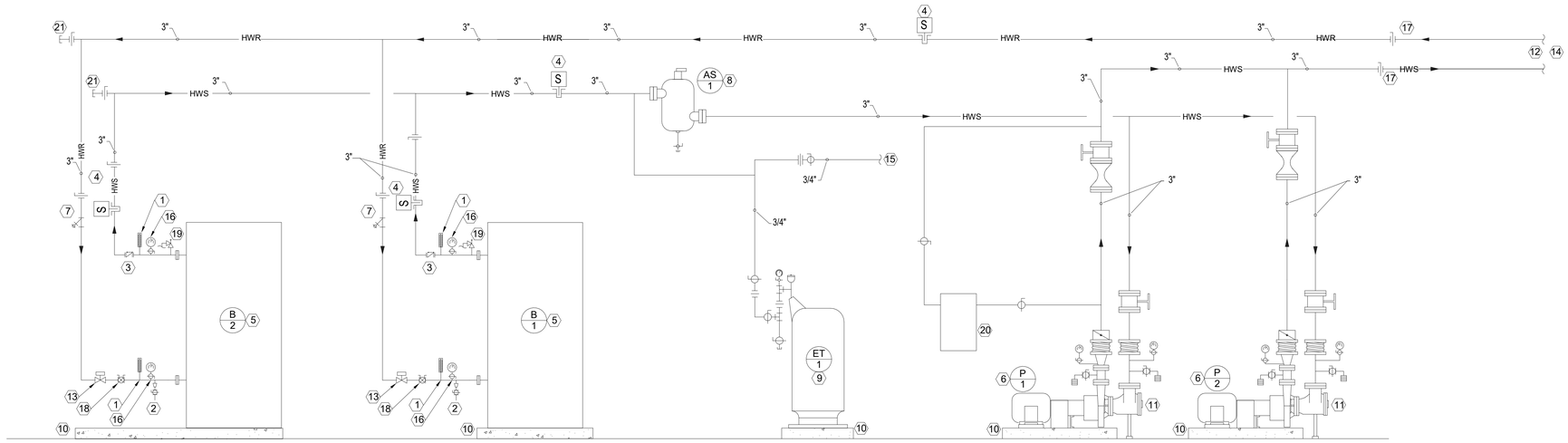
	SHEET NOTES:
1	PROVIDE THERMOMETER 9" LONG 0° TO 250°. TYPICAL.
2	PROVIDE VALVE WITH THREADED HOSE END CONNECTION WITH CAP EQUAL TO CONBRACO.
3	PROVIDE CHECK VALVE.
4	PROVIDE BOILER WATER TEMPERATURE SENSOR.
5	PROVIDE CONDENSING BOILERS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
6	PROVIDE HOT WATER BASE MOUNTED INLINE PUMPS, SEE PUMP DETAIL FOR PIPING.
7	PROVIDE STRAINER.
8	PROVIDE AIR SEPARATOR. SEE DETAIL.
9	PROVIDE EXPANSION TANK. SEE DETAIL FOR PIPING.
10	PROVIDE HOUSEKEEPING PAD.
11	PROVIDE PUMP SUCTION DIFFUSER.
12	PROVIDE DIFFERENTIAL-PRESSURE SENSOR. (LOCATE APPROXIMATELY TWO-THIRD DOWN THE SYSTEM IN ACCESSIBLE LOCATION, COORDINATE WITH ENGINEER AND OWNER PRIOR TO INSTALL, SHOW FINAL LOCATION ON AS-BUILT RECORD DRAWINGS.
13	PROVIDE AUTOMATIC ISOLATION VALVE. NORMALLY OPEN. TIE INTO BOILER CONTROLS. BOILER CONTROLS PACKAGE SHALL SEQUENCE BOILERS, CONTROL ISOLATION VALVES, AND COMMUNICATE VIA BACNET TO BUILDING AUTOMATION SYSTEM.
14	HOT WATER SUPPLY AND RETURN TO BUILDING. SEE MP SHEETS.
15	SEE DETAILS FOR MAKE UP WATER STATION.
16	PROVIDE PRESSURE GAUGES - 4-1/2" DIAMETER WITH GAUGE COCK. TYP.
17	PROVIDE BUTTERFLY VALVE.
18	PROVIDE BALANCING VALVE.
19	PROVIDE SAFETY RELIEF VALVES AS REQUIRED BY BOILER MANUFACTURER FOR EACH BOILER.
20	PROVIDE CHEMICAL POT FEEDER, SEE DETAIL.
21	PROVIDE VALVE AND CAP FOR FUTURE BOILER CONNECTION.



MECHANICAL FLOW DIAGRAM

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PROFESSIONAL ENGINEER — BRADLEY D. LASH — No. 8681468 — 04/10/2026

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REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

FLOW SHEET

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
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PROJECT#: **2023-41**

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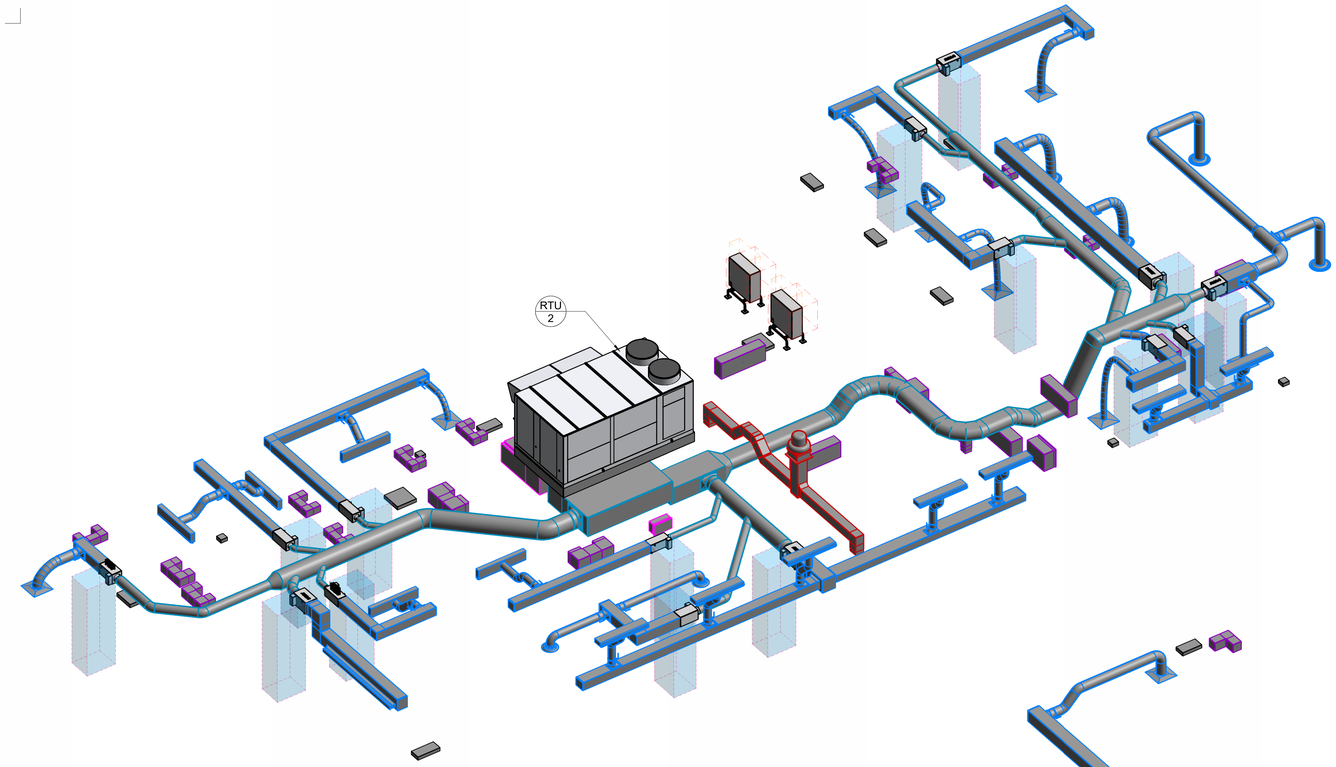

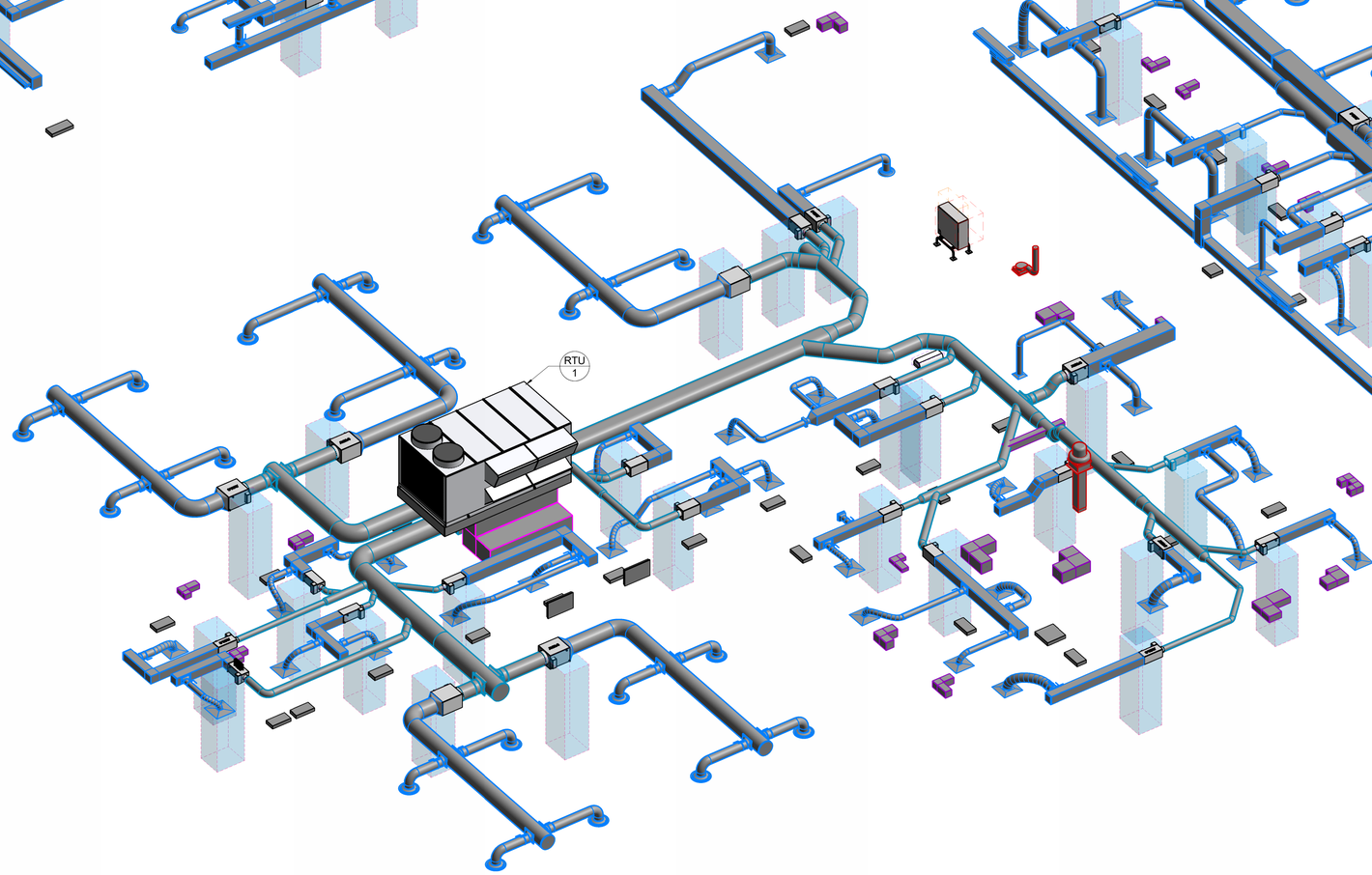

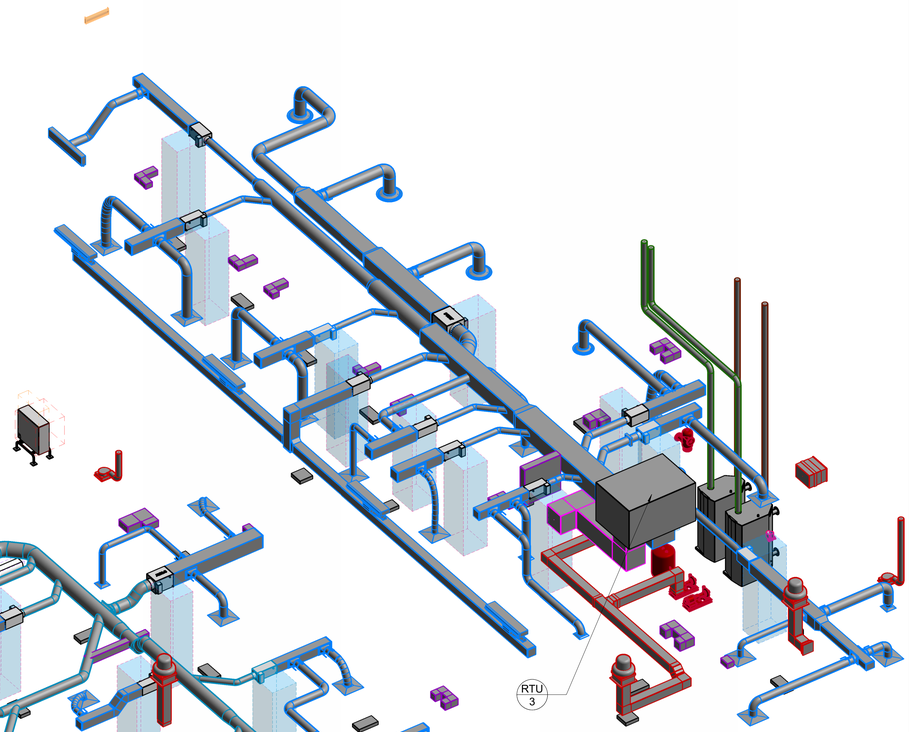

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
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350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL ISOMETRICS

REVISIONS

MARK	DATE	DESCRIPTION

GENERAL NOTES

1. ISOMETRIC ARE FOR GENERAL LAYOUT ROUTING AND NOT FOR PART COUNT OR BIDDING PURPOSE. CONTRACTOR REQUIRED TO PROVIDE ALL DUCTWORK, ELBOWS, OFFSETS AS NEEDED FOR THE PROJECT.

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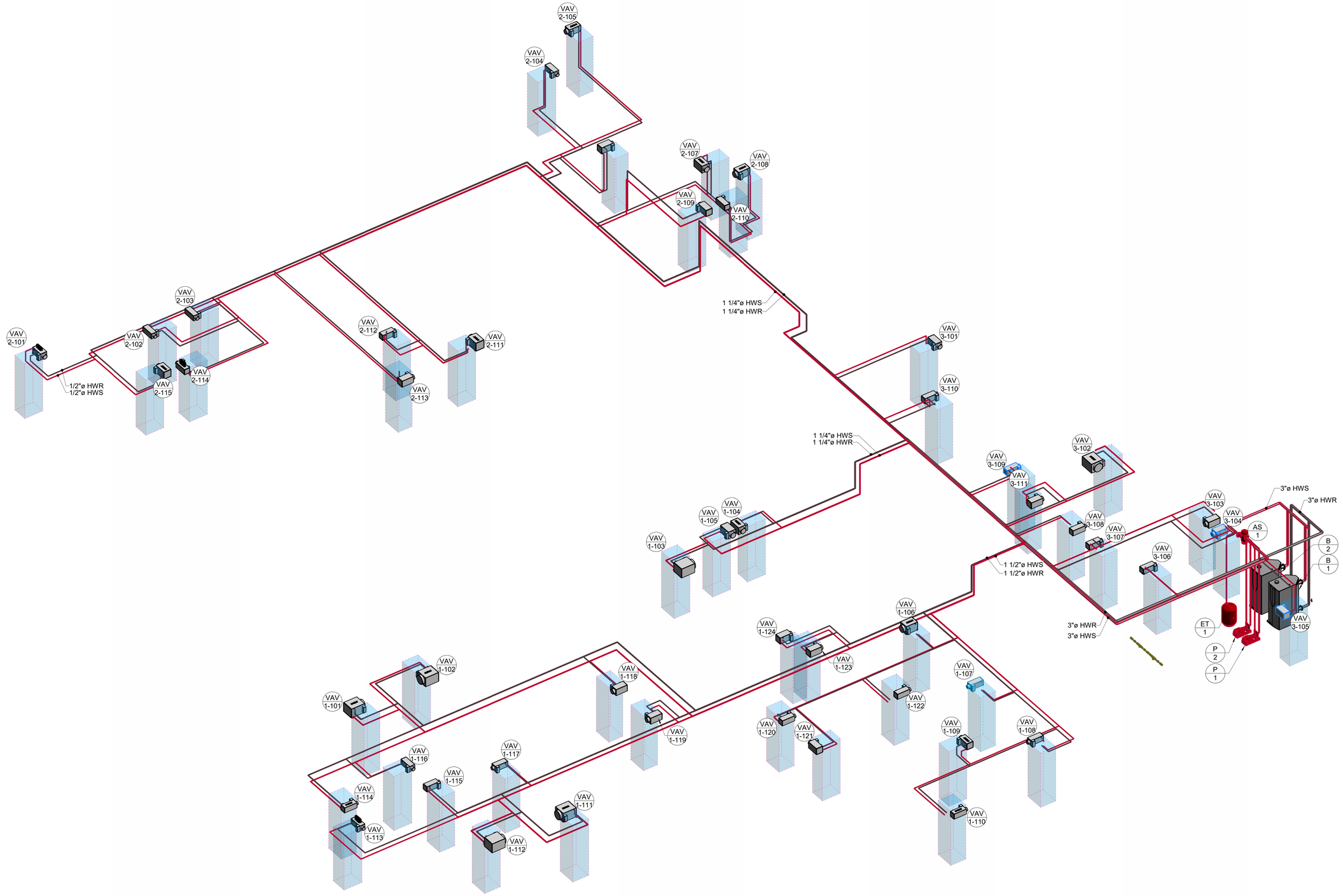

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04/10/2026
BRADLEY D. LASH
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RICHFIELD REGIONAL CENTER

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350 South 900 West, Richfield, UT 84701

SHEET NAME:

MECHANICAL PIPING ISOMETRIC

REVISIONS

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ME902

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ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. WARNING: REPRODUCTION HEREOF IS A CRIMINAL OFFENSE UNDER 18 U.S.C. SEC. 506. UNAUTHORIZED DISCLOSURE MAY CONSTITUTE TRADE SECRET MISAPPROPRIATION IN VIOLATION OF 12-2-31-1 ET. SEQ. AND OTHER LAWS.

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	HW	WALL CLEANOUT	WCO
COLD WATER LINE	CW	CLEANOUT	CO
SOFT COLD WATER LINE	SCW	CLEANOUT TO GRADE	COTG
HOT WATER RECIRCULATING LINE	DHWR	FLOOR CLEANOUT	FCO
VENT LINE	V	BALL VALVE	ϕ
WASTE LINE	SS	UNION	
GAS LINE	G	CONNECTION TO EXISTING PIPING	⊕
VENT THRU ROOF	VTR	REGULATOR	Ⓡ
UNDER FLOOR	UF	SOFT COLD WATER	SCW
SANITARY SEWER	SS	SECONDARY ROOF DRAIN	SRD
PRIMARY ROOF DRAIN	PRD	FIXTURE CALLOUT ABOVE	WC
FIXTURE CALLOUT	WC-1		

PLUMBING GENERAL NOTES

G-1 - ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2021 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-2 - ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC, OR NFPA CODES OR BY LOCAL AUTHORITY.

G-3 - GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.

G-4 - ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.

G-5 - PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.

G-6 - ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS, ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.

G-7 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

G-8 - COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.

G-9 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

G-10 - GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.

G-11 - ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.

G-12 - WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.

G-13 - WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

WATER HAMMER ARRESTOR SCHEDULE:
TYPE A 1-11 FIXTURE UNITS
TYPE B 12-32 FIXTURE UNITS
TYPE C 33-60 FIXTURE UNITS
TYPE D 61-113 FIXTURE UNITS

G-14 - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

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04/10/2026
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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND GOVERNMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

PLUMBING GENERAL NOTES AND LEGEND

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
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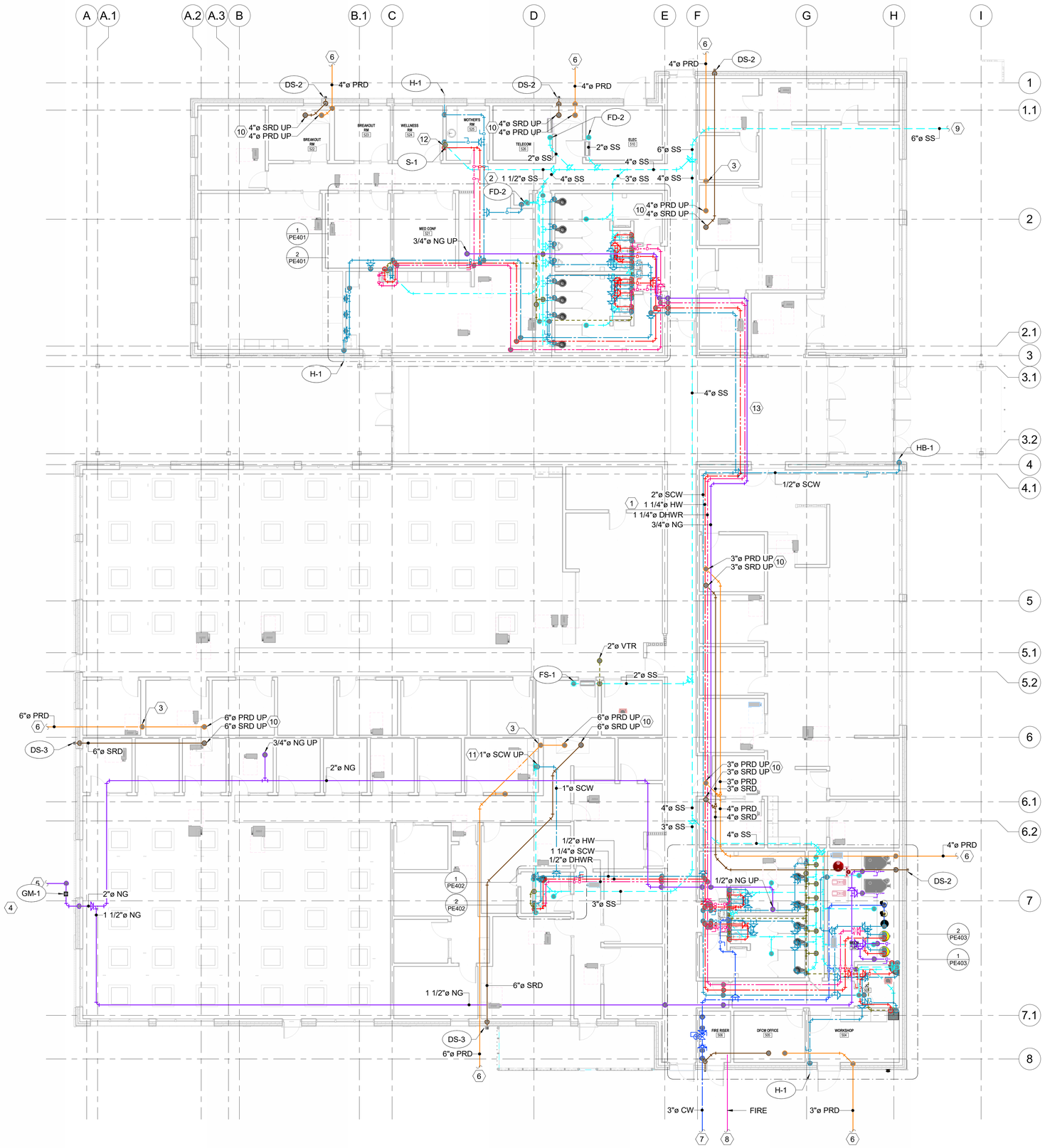

1 **LEVEL 1 PLUMBING**
1/8" = 1'-0"

SHEET NOTES

1. PROVIDE DOMESTIC WATER PIPING ABOVE THE CEILING IN THIS APPROXIMATE LOCATION. ROUTE PIPING IN EAST SIDE OF CEILING SPACE IN HALLWAY. DOMESTIC WATER PIPING SHALL ONLY BE LOCATED ON THE WEST SIDE OF THE HALLWAY WHENEVER CROSSING THE HALLWAY IS NECESSARY. FIELD VERIFY EXACT ROUTING.
2. PROVIDE SHUTOFF VALVES IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. PROVIDE ACCESS PANEL IF INSTALLED ABOVE A HARD CEILING.
3. PROVIDE PRIMARY ROOF DRAIN PIPE DROP IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND ROUTING. PROVIDE WALL CLEANOUT IN PIPE DROP AT APPROXIMATELY 1'-0" AFF. COORDINATE WALL LOCATION WITH ARCHITECTURAL PLANS.
4. COORDINATE WITH LOCAL GAS PROVIDER TO PROVIDE NEW GAS METER WITH PULSE READOUT SO THAT METER CAN BE MONITORED BY OWNERS ENERGY MANAGEMENT SYSTEM IN THIS APPROXIMATE LOCATION. DESIGN CAPACITY: DESIGN PRESSURE: LONGEST LENGTH:
5. SEE CIVIL DRAWINGS FOR CONTINUATION OF NEW GAS PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND ROUTING.
6. SEE CIVIL DRAWINGS FOR CONTINUATION OF NEW PRD PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION, ROUTING, AND DEPTH. PROVIDE CLEANOUT TO GRADE.
7. SEE CIVIL DRAWINGS FOR CONTINUATION OF COLD WATER PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION, ROUTING, AND DEPTH.
8. SEE CIVIL DRAWINGS FOR CONTINUATION OF FIRE WATER PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION, ROUTING, AND ELEVATION.
9. SEE CIVIL DRAWINGS FOR CONTINUATION OF SANITARY SEWER PIPING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND ROUTING.
10. PROVIDE PIPE DROPS FROM ROOF DRAINS IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATIONS.
11. PROVIDE WATER PIPING UP TO THE ROOF IN THIS APPROXIMATE LOCATION. PROVIDE SHUTOFF VALVE ABOVE CEILING. PROVIDE ACCESS PANEL IF SHUTOFF VALVE IS INSTALLED ABOVE A HARD CEILING.FIELD VERIFY EXACT LOCATION OF ROOF PENETRATION. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DISCIPLINES.
12. PROVIDE VENT PIPING TO ROOF IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION OF ROOF PENETRATION. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DISCIPLINES.
13. ROUTE DOMESTIC WATER PIPES ACROSS THE CORRIDOR IN THIS APPROXIMATE LOCATION. COORDINATE WITH OTHER DISCIPLINES FOR EXACT LOCATION AND ROUTING. FIELD VERIFY.

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 PLUMBING

REVISIONS

MARK	DATE	DESCRIPTION

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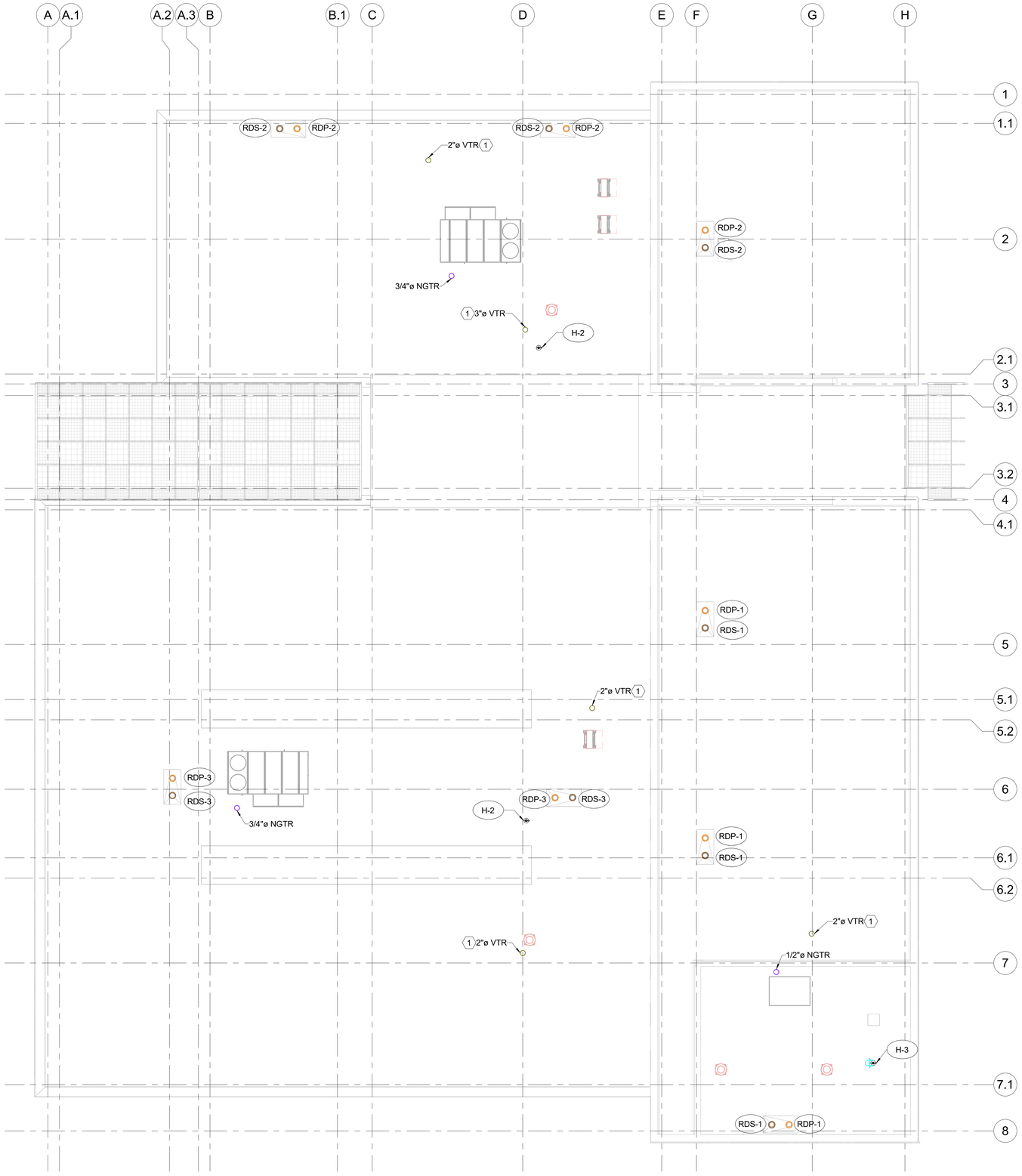

1 **ROOF PLUMBING PLAN**
1/8" = 1'-0"

SHEET NOTES

1 PROVIDE VENT PIPING TO ROOF IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION OF ROOF PENETRATION. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DISCIPLINES.

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PROJECT DESCRIPTION

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DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ROOF PLUMBING PLAN

REVISIONS

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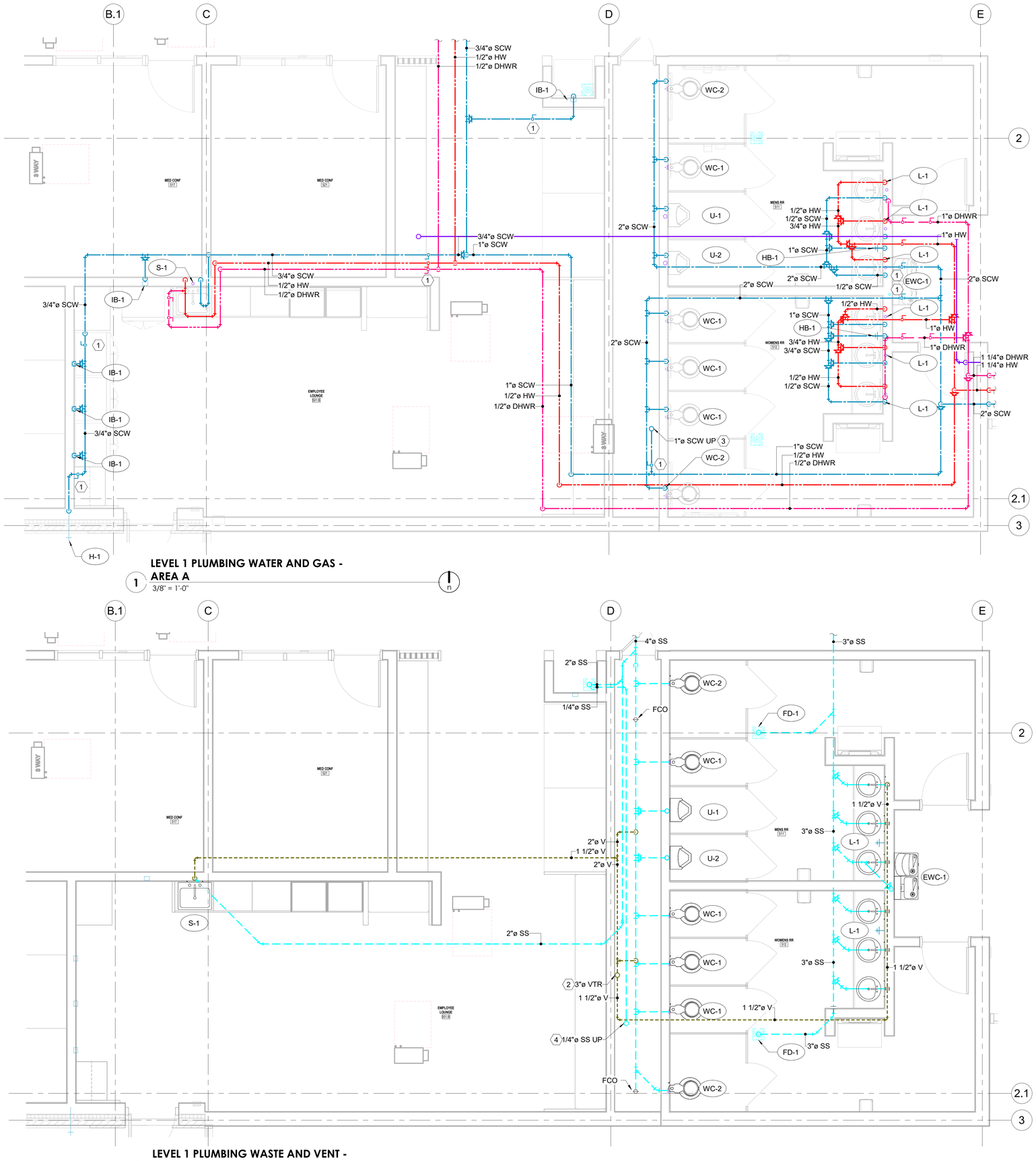


LEVEL 1 PLUMBING WATER AND GAS - AREA A

1 3/8" = 1'-0"

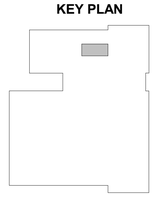
LEVEL 1 PLUMBING WASTE AND VENT - AREA A

2 3/8" = 1'-0"

SHEET NOTES

1. PROVIDE SHUTOFF VALVES IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. PROVIDE ACCESS PANEL IF INSTALLED ABOVE A HARD CEILING.
2. PROVIDE VENT PIPING TO ROOF IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION OF ROOF PENETRATION. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DISCIPLINES.
3. PROVIDE WATER PIPING UP TO THE ROOF IN THIS APPROXIMATE LOCATION. PROVIDE SHUTOFF VALVE ABOVE CEILING. PROVIDE ACCESS PANEL IF SHUTOFF VALVE IS INSTALLED ABOVE A HARD CEILING.FIELD VERIFY EXACT LOCATION OF ROOF PENETRATION. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DISCIPLINES.
4. ROOF HYDRANT DRAIN LINE DROP DOWN IN THIS APPROXIMATE LOCATION AND TIE IT INTO NEAREST FLOOR DRAIN. FIELD VERIFY EXACT LOCATION OF ROUTING.

KEY PLAN



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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED PLUMBING PLANS - AREA A

REVISIONS

MARK	DATE	DESCRIPTION

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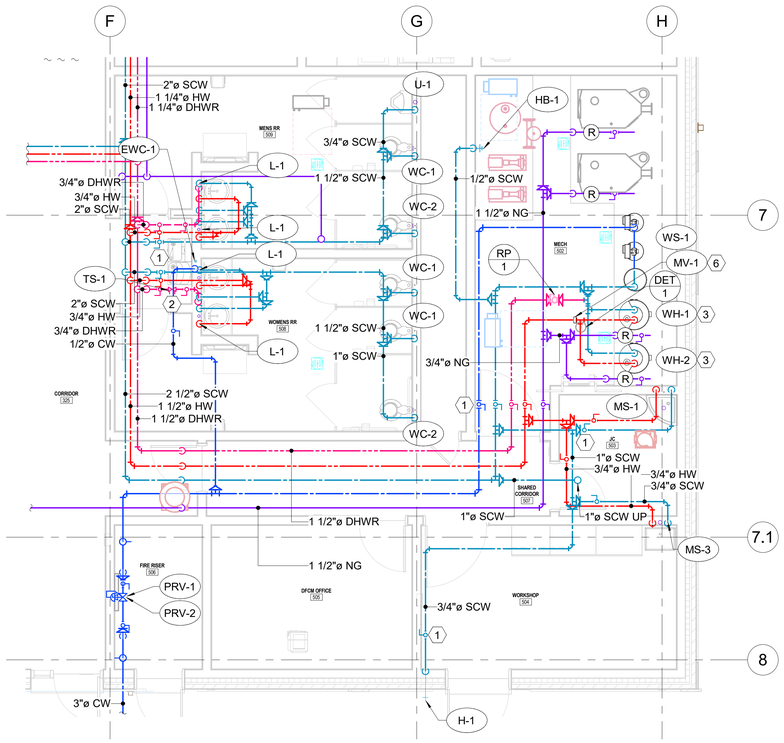
PE401

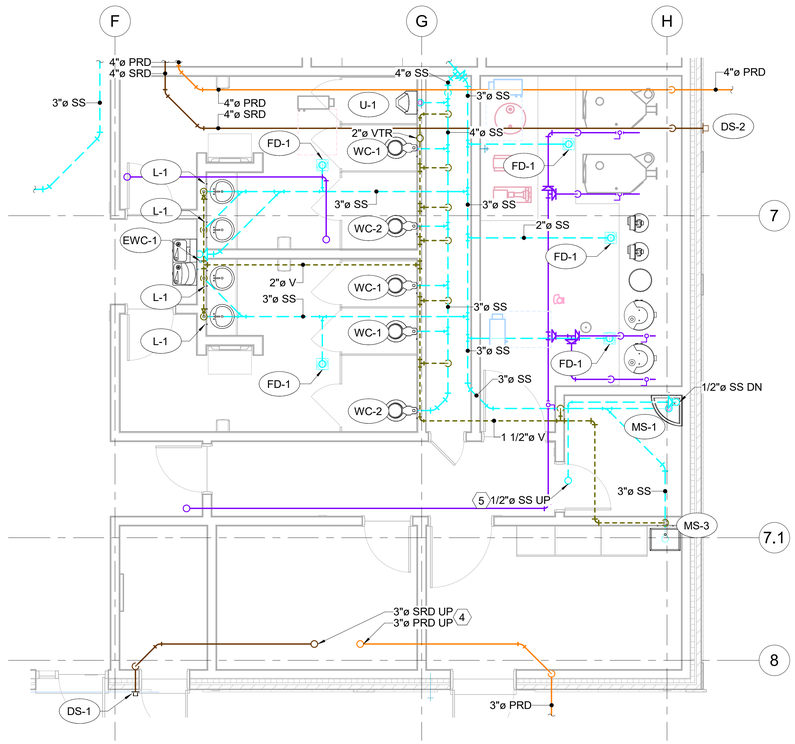
SHEET NOTES

1. PROVIDE SHUTOFF VALVES IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. PROVIDE ACCESS PANEL IF INSTALLED ABOVE A HARD CEILING.
2. PROVIDE THERMOSETTER WITH ISOLATION VALVE ON BOTH INLET AND OUTLET IN THIS APPROXIMATE LOCATION. PROVIDE ACCESS PANELS AS NEEDED. FIELD VERIFY EXACT LOCATION.
3. PROVIDE GAS WATER HEATER IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. PROVIDE HOUSE KEEPING PAD. SEE SCHEDULE AND DETAILS.
4. PROVIDE PIPE DROPS FROM ROOF DRAINS IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATIONS.
5. ROOF HYDRANT DRAIN LINE DROP DOWN IN THIS APPROXIMATE LOCATION AND TIE IT INTO NEAREST FLOOR DRAIN. FIELD VERIFY EXACT LOCATION OF ROUTING.
6. PROVIDE MASTER MIXING VALVE IN THIS APPROXIMATE LOCATION. SEE DETAIL 10/PE502 FOR INSTALLATION.



LEVEL 1 PLUMBING WATER AND GAS - AREA C

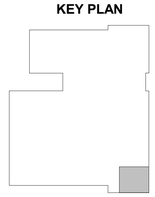
1/4" = 1'-0"



LEVEL 1 PLUMBING WASTE AND VENT - AREA C

1/4" = 1'-0"

KEY PLAN



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Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED PLUMBING PLANS - AREA C

REVISIONS

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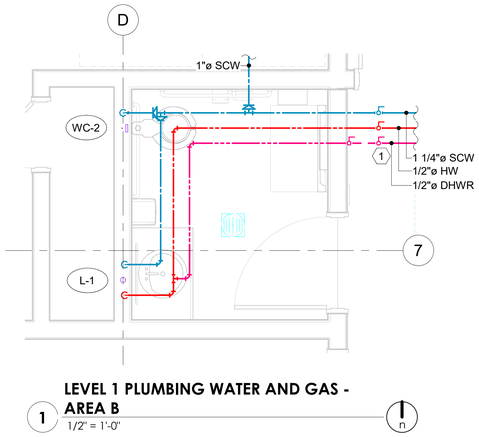
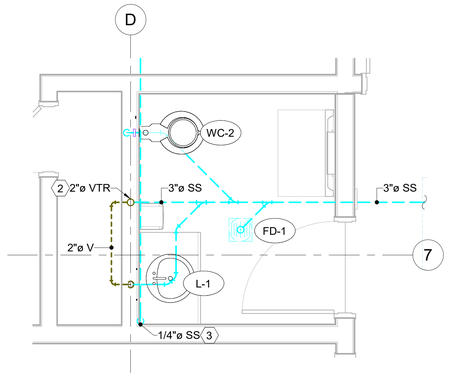


LEVEL 1 PLUMBING WATER AND GAS - AREA B

1 — 1/2" = 1'-0"



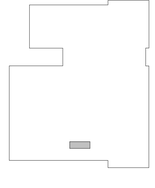
LEVEL 1 PLUMBING WASTE AND VENT - AREA B

2 — 1/2" = 1'-0"

SHEET NOTES

1. PROVIDE SHUTOFF VALVES IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION. PROVIDE ACCESS PANEL IF INSTALLED ABOVE A HARD CEILING.
2. PROVIDE VENT PIPING TO ROOF IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION OF ROOF PENETRATION. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DISCIPLINES.
3. ROOF HYDRANT DRAIN LINE DROP DOWN IN THIS APPROXIMATE LOCATION AND TIE IT INTO NEAREST FLOOR DRAIN. FIELD VERIFY EXACT LOCATION OF ROUTING.

KEY PLAN



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PROFESSIONAL ENGINEER — 04/10/2026 — BRADLEY D. LASH — No. 8681468

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REVIEWED FOR CODE COMPLIANCE — 05/26/2026 — Jason Van Ausdal — DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED PLUMBING PLANS - AREA B

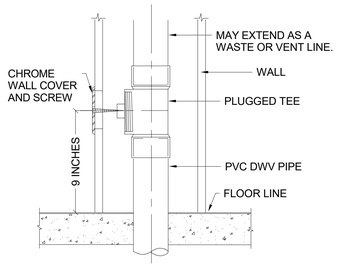
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**SS**
CHECKED BY:	**BDL**
PROJECT#:	**2023-41**

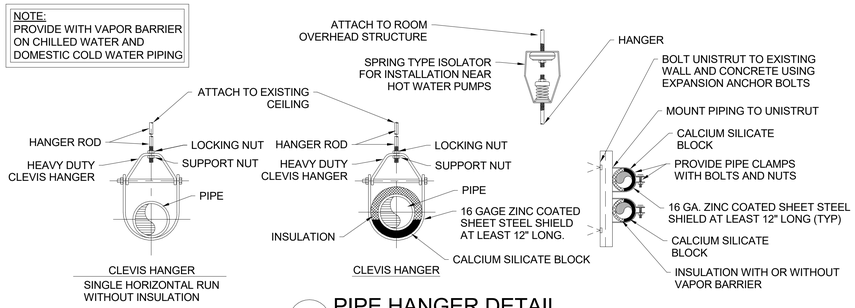
SHEET NUMBER:

PE402

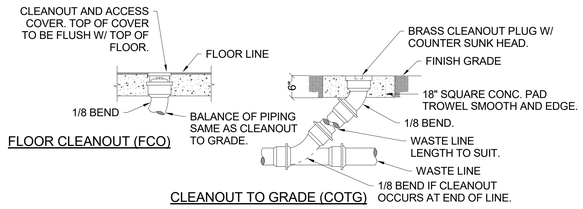


1 WALL CLEAN-OUT DETAIL
SCALE: NONE

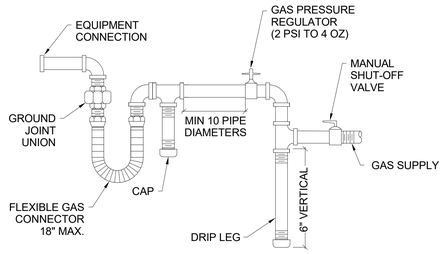
NOTE:
PROVIDE WITH VAPOR BARRIER ON CHILLED WATER AND DOMESTIC COLD WATER PIPING



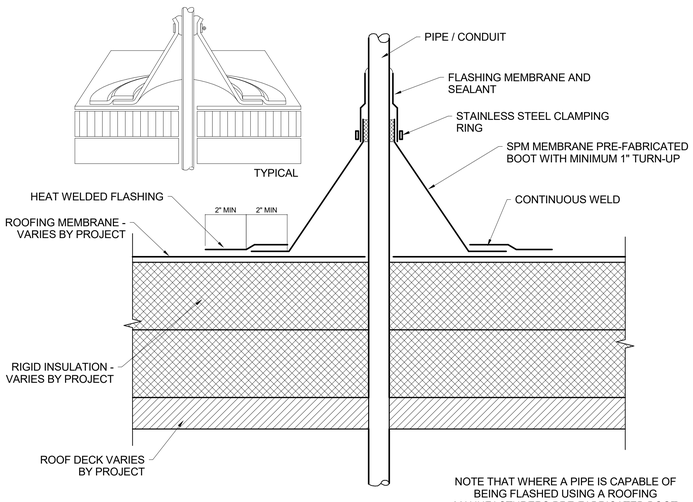
2 PIPE HANGER DETAIL



3 CLEAN-OUT DETAILS
SCALE: NONE



4 GAS LINE CONNECTION DETAIL



NOTE THAT WHERE A PIPE IS CAPABLE OF BEING FLASHED USING A ROOFING MANUFACTURERS PRE-FABRICATED BOOT (SUCH AS SHOWN ABOVE), THAT OPTION IS REQUIRED AND SHOULD BE USED OVER A FIELD FLASHED DETAIL (SUCH AS SHOWN BELOW)

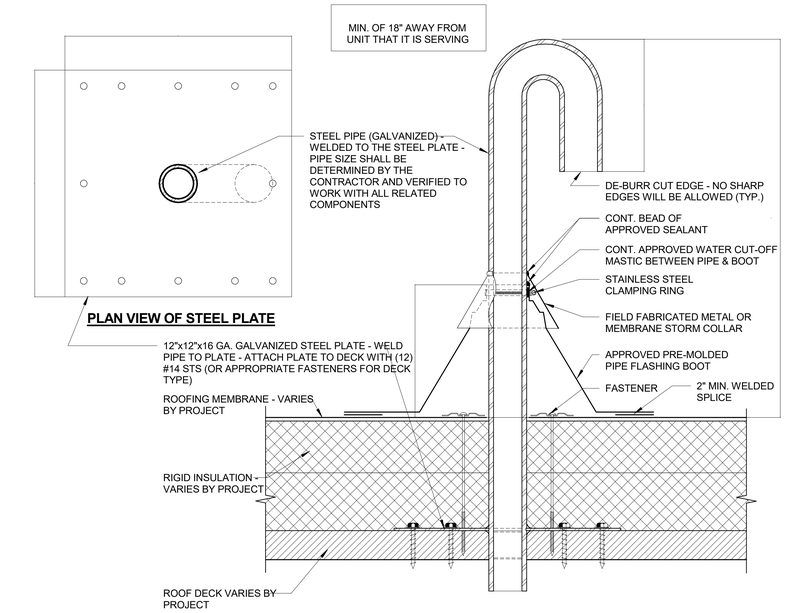
5 PIPE AND CONDUIT FLASHING DETAIL
SCALE: NONE

NOTES:

ANY EXTG. DRAIN LINES THAT ARE CLOGGED WITH DEBRIS, BALLAST, LEAVES ETC. SHALL BE CLEANED OUT AND ARE TO BE VERIFIED TO BE IN GOOD WORKING ORDER.

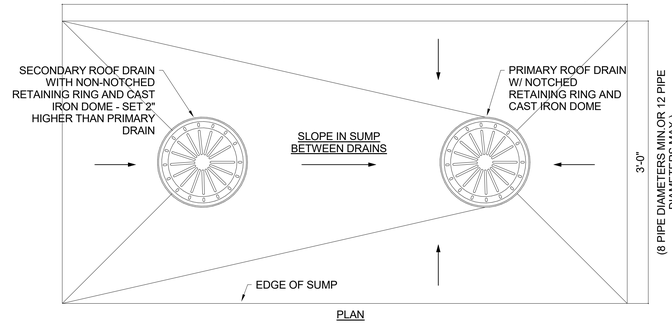
USE MANUFACTURER'S TAPERED INSULATION PANELS TO CREATE PRIMARY DRAIN SUMPS - NO HAND CUT INSULATION WILL BE ALLOWED.

WHERE EXISTING PLASTIC DRAIN DOMES OCCUR, REPLACE WITH NEW CAST IRON DOMES



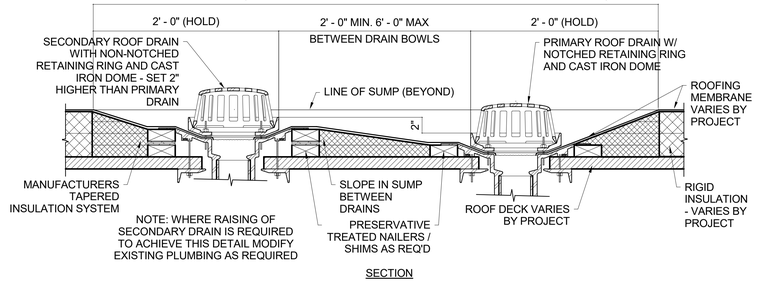
6 PIPE AND CONDUIT FLASHING DETAIL
SCALE: NONE

6' - 0" MIN. 10' - 0" MAX. (BASED ON SPACING BETWEEN DRAIN BOWLS AS INDICATED BELOW)



PLAN

6' MIN. 10' - 0" MAX. (BASED ON SPACING BETWEEN DRAIN BOWLS AS INDICATED BELOW)



SECTION

7 ROOF DRAIN DETAIL
SCALE: NONE

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Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

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Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

PLUMBING DETAILS

REVISIONS

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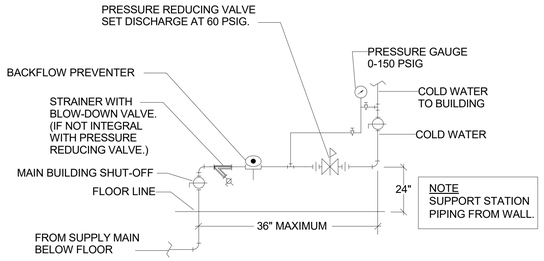
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**SS**
CHECKED BY:	**BDL**
PROJECT#:	**2023-41**

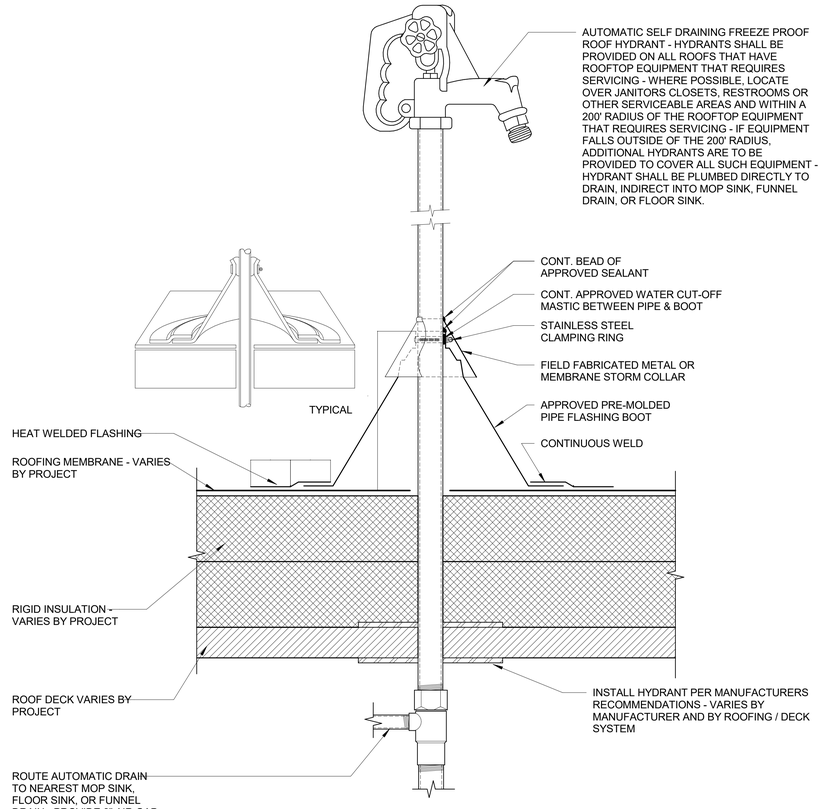
SHEET NUMBER:

PE501



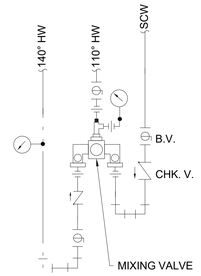
8 WATER PRESSURE REDUCING STATION DETAIL

SCALE: NONE



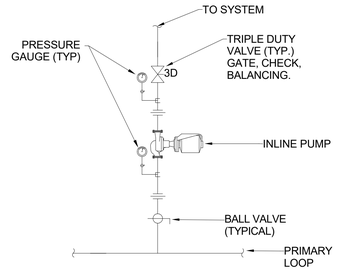
9 FREEZE PROOF ROOF HYDRANT DETAIL

SCALE: NONE



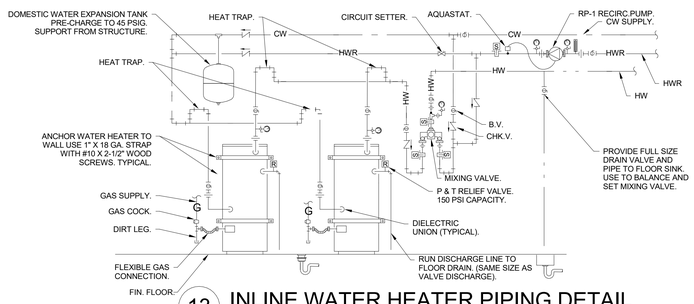
10 MIXING VALVE DETAIL

SCALE: NONE



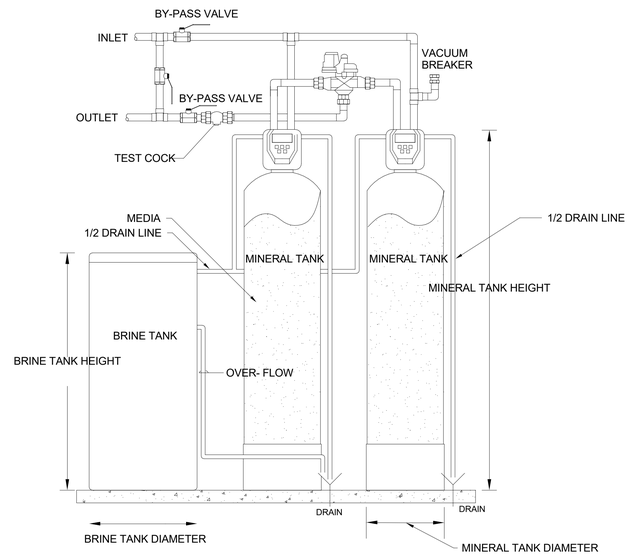
11 CIRCUIT PUMP DETAIL

SCALE: NONE



13 INLINE WATER HEATER PIPING DETAIL

SCALE: NONE



12 WATER SOFTENER DETAIL

SCALE: NONE

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Jason Van Ausdal
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SHEET NAME:

PLUMBING DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

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ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

PE502

PIPE ACCESSORIES SCHEDULE

EQUIPMENT NUMBER	FIXTURE	SIZE	REMARKS
GM-1	GAS METER	2"	
MV-1	MASTER MIXING VALVE	1 1/2"	PROVIDE CALEFFI LEGIOMIX OR PRIOR APPROVED EQUAL.
PRV-1	PRESSURE REDUCING VALVE	1"	PROVIDE LEAD FREE HIGH CAPACITY WATER PRESSURE REDUCING VALVE; WATTS LF223 OR EQUAL. SET TO 65 PSI.
PRV-2	PRESSURE REDUCING VALVE	2"	PROVIDE LEAD FREE HIGH CAPACITY WATER PRESSURE REDUCING VALVE; WATTS LF223 OR EQUAL. SET TO 60 PSI.
TS-1	THERMOSETTER	3/4"	PREVIDE BELL AND GOSSET THERMOSETTER.

PLUMBING FIXTURE SCHEDULE

TAG

EQUIPMENT NUMBER	FIXTURE	PLUMBING PIPE SIZES					POINT OF USE MIXING VALVE?	MAX OUTLET TEMP	REMARKS
		TRAP	WASTE	VENT	COLD WATER	HOT WATER			
DS-1	DOWN SPOUT	0"	3"	0"	0"	0"	Yes		DOWN SPOUT. DAYLIGHT APPROXIMATELY 24" ABOVE FINISHED GRADE. ZURN Z199 OR EQUAL.
DS-2	DOWN SPOUT	0"	4"	0"	0"	0"	Yes		DOWN SPOUT. DAYLIGHT APPROXIMATELY 24" ABOVE FINISHED GRADE. ZURN Z199 OR EQUAL.
DS-3	DOWN SPOUT	0"	6"	0"	0"	0"	Yes		DOWN SPOUT. DAYLIGHT APPROXIMATELY 24" ABOVE FINISHED GRADE. ZURN Z199 OR EQUAL.
EWC-1	ELECTRIC WATER COOLER WITH BOTTLE FILLER	1 1/2"	1 1/2"	1 1/2"	1/2"		No		ELECTRIC BI-LEVEL DRINKING FOUNTAIN WITH INTEGRATED BOTTLE FILLING STATION AND BLACK FINISH. ELKAY LZSTL8WSLK OR EQUAL.
FD-1	FLOOR DRAIN	3"	3"	1 1/2"	0"	0"	No		FLOOR DRAIN WITH TRAP GUARD. WATTS FD-100-A OR EQUAL.
FD-2	FLOOR DRAIN	2"	2"	1 1/2"	0"	0"	No		FLOOR DRAIN WITH TRAP GUARD. WATTS FD-100-A OR EQUAL.
FS-1	FLOOR SINK	2"	2"	1 1/2"	0"	0"	No		FLOOR SINK. PROVIDE HALF GRATE AND TRAP GUARD. WATTS FS-710 OR EQUAL.
H-1	FREEZE PROOF WALL HYDRANT	0"	0"	0"	3/4"	0"	No		KEYED FREEZE PROOF WALL HYDRANT WITH ANTI-SYPHON DEVICE. MOUNT 24" ABOVE FINISHED GRADE. WOODFORD 65 OR EQUAL.
H-2	FREEZE PROOF ROOF HYDRANT	0"	0"	0"	1"	0"	No		KEYED FREEZE PRROF ROOF HYDRANT WITH ANTI-SYPHON DEVICE. MOUNT ON ROOF. WOODFORD RHY1 OR EQUAL.
H-3	FREEZE PROOF ROOF HYDRANT	0"	0"	0"	1"	0"	No		KEYED FREEZE PRROF ROOF HYDRANT WITH ANTI-SYPHON DEVICE. MOUNT ON ROOF. WOODFORD RHY1 OR EQUAL.
HB-1	HOSE BIBB	0"	0"	0"	1/2"	0"	No		HOSE BIBB. KEYED HOSE BIBB WITH ANTI-SYPHON DEVICE. WOODFORD 24 OR EQUAL.
IB-1	ICE MACHINE WALL BOX	0"	0"	0"	1/2"	0"	No		PROVIDE HOSHIZAKI DKM-500BAJ WITH A SHUTOFF VALVE.
L-1	UNDER MOUNTED LAVATORY WITH MANUAL FAUCET	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	Yes	110 °F	UNDER MOUNTED DROP-IN SINK WITH MANUAL FAUCET. WATER SENSE LABELED. PROVIDE THERMOSTATIC AND PRESSURE MIXING VALVE. KOHLER CAXTON K-2209 WITH MOEN 6805BL OR EQUAL.
MS-1	CORNER MOUNTED MOP SINK	3"	3"	2"	3/4"	3/4"	Yes	120 °F	CORNER-MOUNTED MOP SINK. PROVIDE WITH DRAIN FITTING, SERVICE SINK FAUCET WITH VACUUM BREAKER, THREADED HOSE CONNECTION, HOSE , 3 STATION MOP HOLDER, HOSE HANGER, AND STAINLESS STEEL SPLASH GUARD. KOHLER K6710 WITH MOEN 8124 OR EQUAL.
MS-3	UTILITY SINK	3"	3"	2"	3/4"	3/4"	Yes	120 °F	SINGLE COMPARTMENT 14 GAUGE STAINLESS STEEL SINK WITH GOOSENECK FAUCET. PROVIDE THERMOSTATIC AND PRESSURE MIXING VALVE. JUST J-127 WITH MOEN M-DURA 8126 FAUCET OR EQUAL.
RDP-1	PRIMARY ROOF DRAIN	0"	3"	0"	0"	0"	No		PRIMARY ROOF DRAIN WITH DOME STRAINER. ZURN Z100 OR EQUAL.
RDP-2	PRIMARY ROOF DRAIN	0"	4"	0"	0"	0"	No		PRIMARY ROOF DRAIN WITH DOME STRAINER. ZURN Z100 OR EQUAL.
RDP-3	PRIMARY ROOF DRAIN	0"	6"	0"	0"	0"	No		PRIMARY ROOF DRAIN WITH DOME STRAINER. ZURN Z100 OR EQUAL.
RDS-1	SECONDARY ROOF DRAIN	0"	3"	0"	0"	0"	No		SECONDARY ROOF DRAIN WITH DOME STRAINER. INSTALL 2" ABOVE PRIMARY ROOF DRAIN WITH 2" RIM. ZURN Z100 OR EQUAL.
RDS-2	SECONDARY ROOF DRAIN	0"	4"	0"	0"	0"	No		SECONDARY ROOF DRAIN WITH DOME STRAINER. INSTALL 2" ABOVE PRIMARY ROOF DRAIN WITH 2" RIM. ZURN Z100 OR EQUAL.
RDS-3	SECONDARY ROOF DRAIN	0"	6"	0"	0"	0"	No		SECONDARY ROOF DRAIN WITH DOME STRAINER. INSTALL 2" ABOVE PRIMARY ROOF DRAIN WITH 2" RIM. ZURN Z100 OR EQUAL.
S-1	1 COMP SINK	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	Yes	110 °F	COUNTER-MOUNTED DROP-IN SINGLE COMPARTMENT SINK WITH BLACK FINISH. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. WATER SENSE LABELED. COORDINATE SINK SIZE WITH ARCHITECTURAL FLOOR PLANS. KOHLER KENNON WITH MOEN 7622EVBL OR EQUAL.
U-1	MANUAL FLUSH URINAL	3"	3"	2"	3/4"	0"	No		WALL-MOUNTED FLUSH VALVE URINAL. PROVIDE 0.5 GALLON FLUSH VALVE WITH BATTERY SENSOR. WATER SENSE LABELED. KOHLER BARDON K-4991-ET WITH SLOAN REGAL 186 OR EQUAL.
U-2	MANUAL FLUSH ADA URINAL	3"	3"	2"	3/4"	0"	No		ADA COMPLIANT WALL-MOUNTED FLUSH VALVE URINAL. PROVIDE 0.5 GALLON MANUAL FLUSH VALVE. AMERICAN STANDARD WASHBROOK 6590001.020 WITH SLOAN REGAL 186 OR EQUAL.
WC-1	WALL MOUNTED WATER CLOSET WITH MANUAL FLUSH	3"	3"	2"	1"	0"	No		WALL-MOUNTED WATER CLOSET WITH MANUAL FLUSH VALVE. PROVIDE 1.28 GPF WATER CLOSET WITH FLUSH CONTROLS INSTALLED ON OPEN SIDE OF WATER CLOSET. WATER SENSE LABELED. AMERICAN STANDARD AFWALL WITH SLOAN REGAL 111 OR EQUAL.
WC-2	WALL MOUNTED ADA WATER CLOSET WITH MANUAL FLUSH	3"	3"	2"	1"	0"	No		ADA COMPLIANT WALL-MOUNTED WATER CLOSET WITH MANUAL FLUSH VALVE. PROVIDE 1.28 GPF WATER CLOSET WITH FLUSH CONTROLS INSTALLED ON OPEN SIDE OF WATER CLOSET. WATER SENSE LABELED. AMERICAN STANDARD AFWALL WITH SLOAN REGAL 111 OR EQUAL.

RECIRC PUMP SCHEDULE

TYP. 2

TAG TYPE	TAG #	AREA SERVED	PUMP TYPE	GPM	HEAD	SUCTION SIZE	DISCHARGE SIZE	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL FREQUENCY	ELECTRICAL HP	ELECTRICAL SPEED	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
RP	1	HOT WATER RECIRC	INLINE	4 GPM	20 ftH2O	1.25"	1.25"	115 V	1	60 Hz	0.08 hp	2,400	16 lb	BELL & GOSSETT ECOCIRC	1,2,3

1. PROVIDE BELL AND GOSSETT, TACO, GRUNDFOSS, ARMSTRONG, FLOFAB, PACO, PATTERSON, OR PRIOR APPROVED EQUAL. VARIABLE SPEED PUMP SET TO CONSTANT PRESSURE.
2. PROVIDE REMOVABLE INSULATION KIT AROUND PUMP SUCTION.
3. ALL PUMPS SHALL BE SIZED IN THE MIDDLE PART OF THE CURVE. SEE DETAIL.

WATER SOFTENER SCHEDULE

TAG

EQUIPMENT NUMBER	FLOW PEAK GPM @ 25 PSI DROP	FLOW CONT GPM @ 15 PSI DROP	CAPACITY LBS	RESIN CU. FT.	MINERAL TANK DIAMETER	MINERAL TANK HEIGHT	BRINE TANK DIAMETER	BRINE TANK HEIGHT	MANUF & MODEL	SCHEDULE NOTES
WS-1	110 GPM	80 GPM	650	3	14"	78"	24"	50"	WATER CONTROL CORP LF-90-TWIN	1-3

1. SEE PIPING DETAIL.
2. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
3. COORDINATE WITH DIVISION 26 TO PROVIDE DEDICATED 120V 15A DUPLEX OUTLET.

WATER HEATER (GAS) SCHEDULE

TAG

EQUIPMENT NUMBER	INPUT (BTU/HR)	OUTPUT (BTU/HR)	GPH RECOVERY @ 100 F	STORAGE CAPACITY	RELIEF VALVE BTU / PRESSURE RATING	TANK STORAGE TEMP	MASTER MIXING VALVE REQUIRED?	FLUE	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
WH-1	100,000 Btu/h	97,000 Btu/h	115	75 gal	PER MANUFACTURERS RECOMMENDATIONS	140 °F	Yes	3"	1,010 lb	AO SMITH BTXL-100	1,2,3,4
WH-2	100,000 Btu/h	97,000 Btu/h	115	75 gal	PER MANUFACTURERS RECOMMENDATIONS	140 °F	Yes	3"	1,010 lb	AO SMITH BTXL-100	1,2,3,4

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. 120/1/60 - 20 AMP BREAKER
3. HIGH ALTITUDE MODEL.
4. PROVIDE MASTER MIXING VALVE PER DETAIL.

DOMESTIC EXPANSION TANK SCHEDULE

TYP. 2

TAG TYPE	TAG #	AREA SERVED	ACCEPTANCE VOLUME	LENGTH	DIAMETER	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
DET	1	DOMESTIC WATER SYSTEM	4.4 gal	15"	11"	50 lb	B&G PT-12	1,2

1. SEE SPECIFICATION FOR OTHER APPROVED MANUFACTURERS.
2. FIELD VERIFY CHARGE TO MATCH FILL PRESSURE PRIOR TO OPENING TO SYSTEM

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PROFESSIONAL ENGINEER
04/10/2026
BRADLEY D. LASH
No. 8681468

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

PLUMBING SCHEDULES

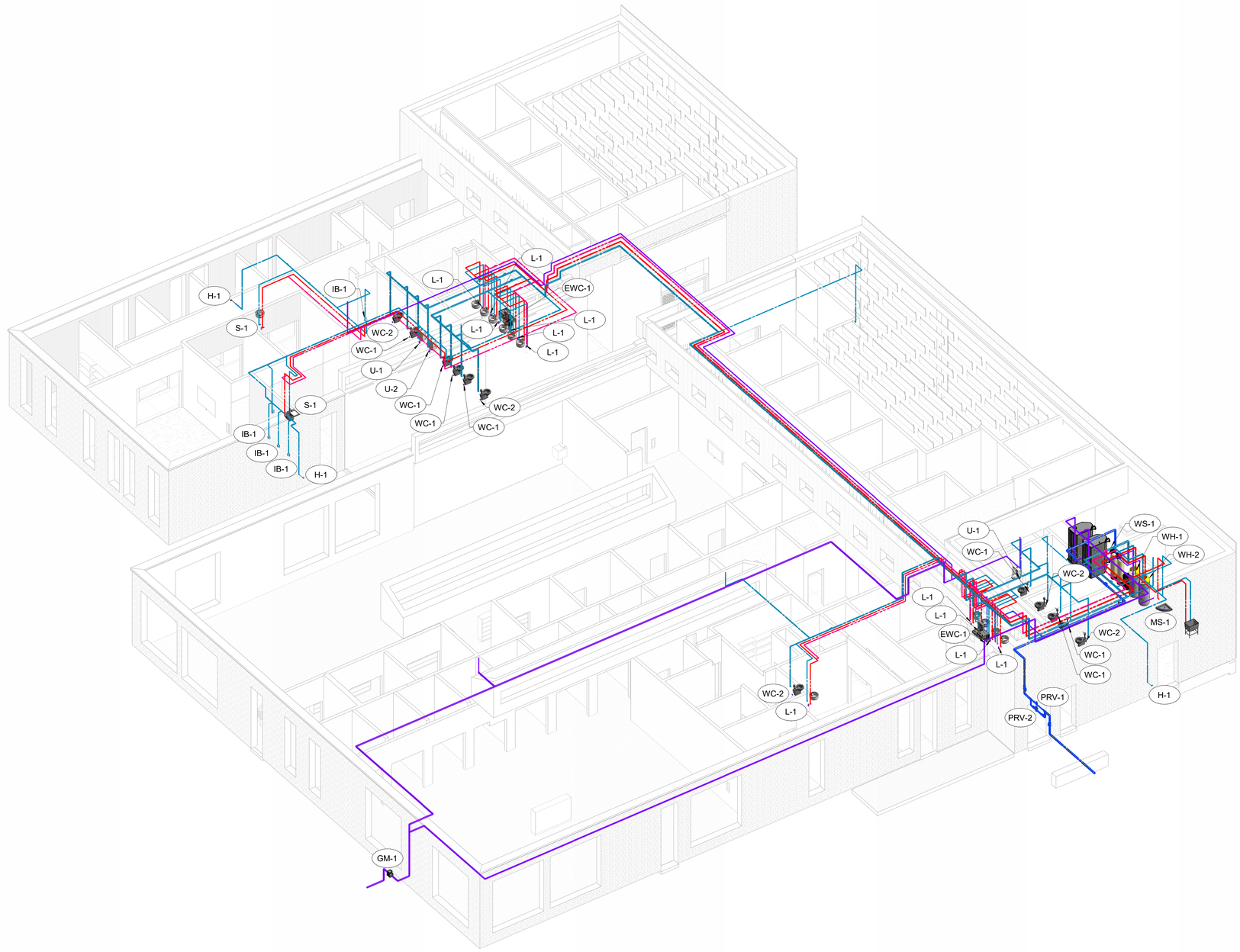
REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **SS**
CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

PE601



1 PLUMBING DOMESTIC WATER AND GAS ISOMETRIC

GENERAL NOTES

1. ISOMETRIC ARE FOR GENERAL LAYOUT ROUTING AND NOT FOR PART COUNT OR BIDDING PURPOSE. CONTRACTOR REQUIRED TO PROVIDE ALL DUCTWORK, ELBOWS, OFFSETS AS NEEDED FOR THE PROJECT.

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PLUMBING DOMESTIC WATER AND GAS ISOMETRIC

REVISIONS

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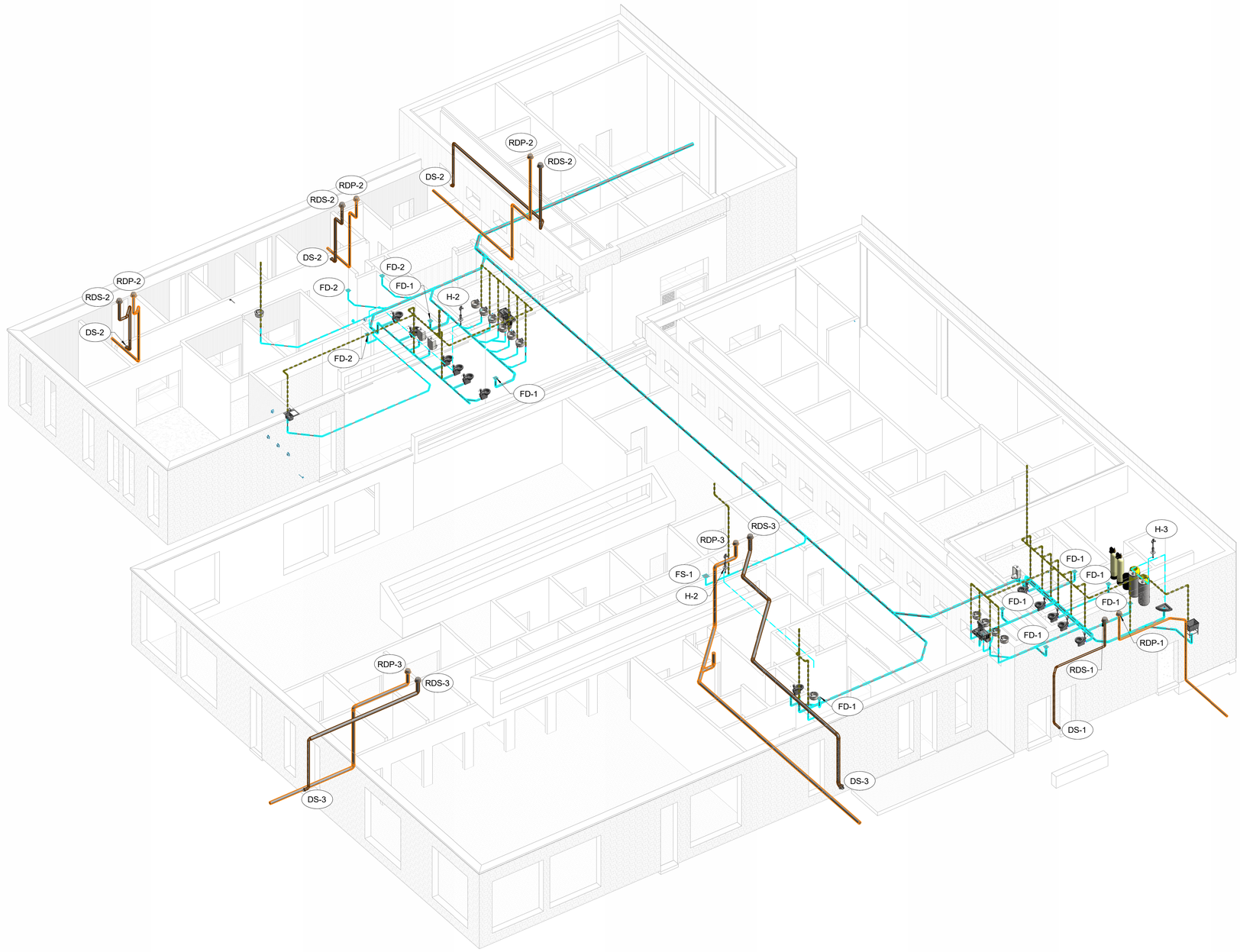

1 PLUMBING WASTE AND VENT ISOMETRIC

GENERAL NOTES

1. ISOMETRIC ARE FOR GENERAL LAYOUT ROUTING AND NOT FOR PART COUNT OR BIDDING PURPOSE. CONTRACTOR REQUIRED TO PROVIDE ALL DUCTWORK, ELBOWS, OFFSETS AS NEEDED FOR THE PROJECT.

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PLUMBING WASTE AND VENT ISOMETRIC

REVISIONS

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CHECKED BY: **BDL**
PROJECT#: **2023-41**

SHEET NUMBER:

PE902

System Responsibility Matrix

Date: 11/26/2025	Designed By	Furnished By	Installed By	Notes
Power & Lighting				
Medium Voltage Transformer(s)	Utility	Utility	Utility	Contractor provides pad/vault
Medium Voltage Raceways	Design Team	Contractor	Contractor	MV Cable by Utility
Emergency/Standby Generator	NIC	NIC	NIC	
Electrical Sub-Metering	NIC	NIC	NIC	<25k SF and approved by DFCM
Photovaltaic (PV) Power Generation System	NIC	NIC	NIC	
Electric Vehicle Charging Stations	Design Team	Contractor	Contractor	
Lightning Protection System	NIC	NIC	NIC	
Power and Distribution	Design Team	Contractor	Contractor	
Interior Lighting	Design Team	Contractor	Contractor	
Central Lighting Battery Inverter	Design Team	Contractor	Contractor	
Exterior Lighting	Design Team	Contractor	Contractor	
Telecomm				
Raceways, Conduit/Cable Tray	Design Team	Contractor	Contractor	
Site Backbone Fiber/Cabling	Owner	Owner	Owner	
Fiber Termination Shelves (FPP1, FPP2)	Owner	Owner	Owner	
Building Backbone Cabling	Owner	Owner	Owner	
Cat 6A Horizontal Cable	Owner	Owner	Owner	
Patch Panels/Inserts SPP, WPP	Owner	Owner	Owner	
Wire Managers	Owner	Owner	Owner	
Data ports, Faceplates, Boxes	Owner	Owner	Owner	
Cat 6 and Cat 6A Patch Cords	Owner	Owner	Owner	
Building MDF/IDF Racks and Ladder Rack	Owner	Owner	Owner	
Active Network Electronics	Owner	Owner	Owner	
Emergency Responder DAS Testing	Design Team	Contractor	Contractor	
Emergency Responder DAS System	Contractor	Contractor	Contractor	
Cell Phone Booster System and/or DAS	NIC	NIC	NIC	
Security & Misc. LV				
Raceways	Design Team	Contractor	Contractor	
Fire Alarm	Design Team	Contractor	Contractor	
CCTV Security Cameras	Design Team	Contractor	Contractor	
CCTV Headend, Programming, Licensing	Design Team	Contractor	Contractor	
Access Controls & Intrusion Detection	Design Team	Contractor	Contractor	
A/V				
Raceways	Design Team	Contractor	Contractor	
Audio Systems	Design Team	Contractor	Contractor	
Video Systems	Design Team	Contractor	Contractor	
IVC Systems	Design Team	Contractor	Contractor	
Digital Signage	Design Team	Contractor	Contractor	
Projectors/Monitors/Screens	Design Team	Contractor	Contractor	

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XFMR	
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CI	CONTACT INDICATOR
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CR	CARD READER
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HWM	HORIZONTAL WIRE MANAGEMENT
HZ	HERTZ
I/O	INPUT/ OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED/ ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER CURRENT PROTECTION
OE	OWNER ELECTRONICS
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFP	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
PV	PHOTO VOLTAIC
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
REQ	REQUIRED
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RO	REMOTE DOOR OPEN
RPM	REVOLUTIONS PER MINUTE
RPP	RISER PATCH PANEL
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SEC	SECURITY
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPP	STATION PATCH PANEL
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TR	TELECOMMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
VIC	VIDEO INTERCOM SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
XFMR	TRANSFORMER

SITE COORDINATION

THE LOCATION, CAPACITY, AND VOLTAGE OF THE LINES ARE ALL IN ACCORDANCE WITH DATA GIVEN THIS OFFICE BY THE UTILITY COMPANY. COORDINATE WITH THE LOCAL UTILITY COMPANY FOR THE INSTALLATION OF THE ELECTRICAL SERVICE. COMPLY WITH UTILITY REGULATIONS. REPORT DISCREPANCIES TO THE ENGINEER.

ELECTRIC UTILITY

ROCKY MOUNTAIN POWER
WO# 7446603

PERSON CONTACTED: WYATT HANSEN
DATE: 07/22/2025
PHONE NUMBER: 385-625-6188
EMAIL: WYATT.HANSEN@PACIFICORP.COM

TELEPHONE UTILITY

CENTURYLINK

PERSON CONTACTED: -
DATE: -
PHONE NUMBER: -
EMAIL: -

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

BID ALTERNATE LEGEND

- - - - -	BID ALTERNATE #1 CDL RANGE AND ASSOCIATED SITE WORK

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.

2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.

4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.

5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

ELECTRICAL SHEET INDEX

EE001	ELECTRICAL COVER SHEET
EE002	SYMBOLS LEGEND
EE003	AUXILIARY SCHEDULES AND NOTES
EE004	AV ROUGH-IN GENERAL NOTES AND SCHEDULES
EE501	ELECTRICAL DETAILS
EE502	ELECTRICAL DETAILS
EE601	GROUNDING RISER DIAGRAM
EE701	TYPICAL MOUNTING DETAILS
EE702	TYPICAL LABELING DETAILS
ES101	ELECTRICAL SITE PLAN - OVERALL
ES102	ELECTRICAL SITE LIGHTING PLAN
ES401	ENLARGED ELECTRICAL SITE PLANS
ES501	ELECTRICAL SITE DETAILS
ES502	ELECTRICAL SITE DETAILS
ES503	ELECTRICAL SITE DETAILS
EP101	LEVEL 1 POWER PLAN
EP102	ROOF POWER PLAN
EP201	LEVEL 1 ELECTRICAL REFLECTED CEILING PLAN
EP301	TELECOM SECTION VIEWS
EP401	ENLARGED POWER PLANS
EP553	TELECOM CABLE TRAY DETAILS
EP554	TELECOM EQUIPMENT RACK GROUNDING DETAIL
EP601	ONE-LINE DIAGRAM, NOTES, AND SCHEDULES
EP602	ELECTRICAL SCHEDULES
EP604	PANEL SCHEDULES
EP605	PANEL SCHEDULES
EP650	TELECOM CONDUIT RISER DIAGRAM
EL101	LEVEL 1 LIGHTING PLAN
EL301	LIGHTING SECTIONS
EL601	LIGHTING FIXTURE SCHEDULES
EL602	LIGHTING RELAY DIAGRAMS & SCHEDULES
EL603	LIGHTING CONTROL SCHEDULES
EY101	LEVEL 1 AUXILIARY PLAN
EY102	ROOF AUXILIARY PLAN
EY551	AUXILIARY DETAILS
EY552	AUXILIARY DETAILS
EY601	FIRE ALARM RISER DIAGRAMS
EY651	AUXILIARY RISER DIAGRAMS
EJ101	LEVEL 1 AUDIO VISUAL ROUGH-IN PLAN
EJ301	AV ELEVATIONS
EJ501	AV ROUGH-IN DETAILS AND RISERS DIAGRAMS
TA001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
TA002	AV SYSTEMS EQUIPMENT SCHEDULE
TA101	LEVEL 1 AUDIO VISUAL SYSTEMS PLAN
TA501	AUDIO VISUAL SYSTEMS DETAILS
TA601	AUDIO VISUAL SYSTEMS DIAGRAMS
TA701	AV SYSTEMS CONNECTION PANEL DETAILS

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL COVER SHEET

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EE001

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ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF AJC ARCHITECTS PC. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE ANY WORK IS COMMENCED. ANY UNAUTHORIZED REPRODUCTION, MISAPPROPRIATION IN VIOLATION OF 17 USC § 101 ET. SEQ. AND OTHER LAWS.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
X-X / XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE / SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
XXX / EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
X-X / 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
XXXET / #	IN-GRADE PULLBOX INDICATOR. "XXXET" INDICATES LABEL SHOWN ON SCHEDULE. "#" IDENTIFIES SEQUENCE NUMBER SHOWN ON SITE AND RISER DIAGRAM. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
HC HC	ADA DOUBLE ACCESS PUSH PLATE
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
PB	PULL BOX.
A"xB" +/-C"-D"	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C"-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
EV	ELECTRIC VEHICLE CHARGING STATION.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
CONDUIT TYPES	
	RIGID NONMETALLIC CONDUIT, POWER 208V
	RIGID NONMETALLIC CONDUIT, POWER 480V
	RIGID NONMETALLIC CONDUIT, POWER 600+V
	RIGID NONMETALLIC CONDUIT, COMMUNICATIONS
	RIGID METALLIC CONDUIT, POWER 208V
	RIGID METALLIC CONDUIT, POWER 480V
	RIGID METALLIC CONDUIT, POWER 600+V
	RIGID METALLIC CONDUIT, COMMUNICATIONS
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
DF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
D	DROP CORD. SEE DETAIL.
T	THERMOSTAT.
FB# D# A#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. FB# = FLOORBOX, RECTANGULAR COVER, GANGS FR# = FLOORBOX, ROUND COVER, GANGS D# = DATA CABLES A# = A/V GANGS
$ X	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
$3 X	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WITH USB OUTLET
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER (ONE-LINE DIAGRAM).
S.T.	CIRCUIT BREAKER WITH SHUNT TRIP (ONE-LINE DIAGRAM).
MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
#AF #AT	CIRCUIT BREAKER, ADJUSTABLE TRIP. "#AF" REPRESENTS FRAME RATING. "#AT" REPRESENTS TRIP UNIT. (ONE-LINE DIAGRAM).
LSIG	CIRCUIT BREAKER, ADJUSTABLE TRIP CURVE. L=LONG TIME CURVE ADJUSTMENT, S=SHORT TIME CURVE ADJUSTMENT, I=INSTANTANEOUS CURVE ADJUSTMENT, G=GROUND FAULT ADJUSTMENT FULLY COMPLIANT WITH NEC 210.13, 215.10 AND 230.95. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH ARC ENERGY REDUCTION SYSTEM INCLUDING ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR FULLY COMPLIANT WITH NEC 240.87 (ONE-LINE DIAGRAM)

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
"1DPHA"	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
"1H"	PANELBOARD (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
ANN	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
EPO	PUSH BUTTON, REMOTE EMERGENCY STOP.
G	GENERATOR, POWER (ONE-LINE DIAGRAM).
K	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM)
M	METER.
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
GESM	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
ESM	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
PRM	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
P	PHOTOCELL.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
a,b	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
RC	DIGITAL LIGHTING ROOM CONTROLLER
DC	DIGITAL LIGHTING DIMMING CONTROLLER
X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
STRUCTURED CABLING	
	DATA CONNECTION: WIRELESS ACCESS POINT (WAP). ROUGH IN ONLY
	OUTLET, DATA COMMUNICATION ROUGH IN ONLY
C	OUTLET, DATA COMMUNICATION ROUGH IN ONLY, CEILING MOUNTED
FIRE ALARM	
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
CM	CONTROL MODULE.
MM	MONITOR MODULE.
F	FIRE ALARM MANUAL PULL STATION.
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
FS	WATER FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
VS	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
SD	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
WP	ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SYMBOLS LEGEND

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EE002

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	ROUGH-IN REQUIREMENTS	NOTES
ACS	ACCESS CONTROL SYSTEM HEAD END	SEE EY651	
VSS	VIDEO SURVEILLANCE SYSTEM HEAD END	SEE EY651	
CR	CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	LEVERSET CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	CARD READER MULLION MOUNTED	AT 40" AFF; SEE DETAILS	
	SINGLE-IMAGER SURVEILLANCE CAMERA	REFER TO DETAILS EY551 & EY552	
	DUAL-IMAGER SURVEILLANCE CAMERA	REFER TO DETAILS EY551 & EY552	
	MULTI-IMAGER SURVEILLANCE CAMERA	REFER TO DETAILS EY551 & EY552	
	PANORAMIC 360°/180° SURVEILLANCE CAMERA	REFER TO DETAILS EY551 & EY552	
M	CEILING MOUNTED OMI-DIRECTIONAL MICROPHONE		EXTERNAL MICROPHONE CONNECTS THROUGH SURVEILLANCE CAMERA AUDIO INPUTS.
	DOOR LOCK TYPE [NO LETTER] - GENERIC LOCK [M] - MAG LOCK [L] - LEVER SET LOCK [S] - ELECTRIC STRIKE LOCK [C] - CRASH BAR LOCK [O] - AUTO OPERATOR [G] - GATE	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR	SEE DOOR ROUGH IN DETAIL EY551	
	REQUEST TO EXIT DEVICE [NO LETTER] - GENERIC REX [M] - MOTION REX [L] - LEVER SET REX [C] - CRASH BAR REX [D] - DELAYED EGRESS REX	SEE DOOR ROUGH IN DETAIL EY551	
(X) [XX]	CONTROL BUTTON [PBWM] - PANIC BUTTON WALL MOUNT [PB] - PANIC BUTTON [DR] - DOOR RELEASE [CI] - CRITICAL INCIDENT [CIWM] - CRITICAL INCIDENT WALL MOUNT BUTTON	SEE DETAIL, MOUNT UNDER DESK, COORDINATE EXACT LOCATION WITH OWNER	NOTE: WHEN CRITICAL INCIDENT (CI) BUTTON IS ACTIVATED, DESIGNATED DOORS NEED TO LOCK AND BLUE LIGHTS WILL ILLUMINATE INDICATING TO OCCUPANTS THAT A SITUATION IS TAKING PLACE IN THE BUILDING.
BLUE	CEILING MOUNT BLUE LIGHT		
BLUE	WALL MOUNT BLUE LIGHT		
L	BLUE LIGHT LOCK DOWN DOOR		
BUILDING ENTRANCE TERMINAL	SURGE GATE	CAT6A-75	

SECURITY CAMERA SCHEDULE

CAMERA ID:

CAMERA TYPE	MOUNT	RATING
X = FIXED D = DUAL-IMAGER M = MULTI-IMAGER F = FISHEYE P = PTZ Z = PTZ*MULTI-IMAGER	C = CEILING SW = SURFACE WALL W = WALL N = CORNER P = PARAPET L = POLE T = PENDANT IN = INSIDE CORNER	O = OUTDOOR I = INDOOR

NOTES:

* CAMERA HAS CAPABILITY OF AUDIO OR NO AUDIO

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
2. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

ID	DESCRIPTION	IR	WDR	AUDIO	VANDAL	LOCATION	IP RATING	MANUFACTURER (SERIES)	NOTES
DSW	TYPE: 2X 6 MP DUAL IMAGER MOUNTING: SURFACE WALL FOCAL LENGTH: 3.4~6.8mm RESOLUTION: 2X 3328x1872 FRAME RATE: 15 OPTIONS: NONE	YES	YES	NO*	IK10	INDOOR/OUTDOOR	IP66, IP67	HANWHA VISION - PNM-12082RVD	
FC	TYPE: 8 MP PANORAMIC MOUNTING: CEILING FOCAL LENGTH: 2.8mm RESOLUTION: 5120X1568 FRAME RATE: 20 OPTIONS: NONE	YES	YES	YES*	IK10	INDOOR/OUTDOOR	IP66	HANWHA VISION - PNM-C9022RV	
FT	TYPE: 8 MP PANORAMIC MOUNTING: PENDANT FOCAL LENGTH: 2.8mm RESOLUTION: 5120X1568 FRAME RATE: 20 OPTIONS: NONE	YES	YES	YES*	IK10	INDOOR/OUTDOOR	IP66	HANWHA VISION - PNM-C9022RV	
ML	TYPE: 4X 8MP MULTI IMAGER MOUNTING: POLE FOCAL LENGTH: 3.3~5.7mm RESOLUTION: 4X 3840x2160 FRAME RATE: 15 OPTIONS: NONE	YES	YES	NO*	IK09	INDOOR/OUTDOOR	IP66, PE67	HANWHA VISION - PNM-C32083RVQ	DARK BRONZE TO MATCH POLE
MP	TYPE: 4X 8MP MULTI IMAGER MOUNTING: PARAPET FOCAL LENGTH: 3.3~5.7mm RESOLUTION: 4X 3840x2160 FRAME RATE: 15 OPTIONS: NONE	YES	YES	NO*	IK09	INDOOR/OUTDOOR	IP66, PE67	HANWHA VISION - PNM-C32083RVQ	
XCI	TYPE: 8 MP FIXED MOUNTING: CEILING FOCAL LENGTH: 5.9~13.3mm RESOLUTION: 3840x2160 FRAME RATE: 30 OPTIONS: NONE	NO	YES	YES*	IK08	INDOOR	IP42	HANWHA VISION - PND-A9082RV	
XSWI	TYPE: 8 MP FIXED MOUNTING: SURFACE WALL FOCAL LENGTH: 5.9~13.3mm RESOLUTION: 3840x2160 FRAME RATE: 30 OPTIONS: NONE	NO	YES	YES*	IK08	INDOOR	IP42	HANWHA VISION - PND-A9082RV	
XSWO	TYPE: 8 MP FIXED MOUNTING: SURFACE WALL FOCAL LENGTH: 5.9~13.3mm RESOLUTION: 3840x2160 FRAME RATE: 30 OPTIONS: NONE	YES	YES	YES*	IK10	OUTDOOR	IP66	HANWHA VISION - PNV-A9082RZ	

CATEGORY INSERT COLOR SCHEDULE

INSERT COLOR	TYPE/ APPLICATION
VIOLET	SECURITY

COPPER PATCH CORD SCHEDULE

(CATEGORY 6A UTP CABLES W/RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	PINK	-	-
7'	PINK	-	-
10'	PINK	-	-

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE. FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, SECURITY - CATEGORY 6A, UTP, PLENUM, PINK /OR STATION CABLE, SECURITY - CATEGORY 6A, UTP, PLENUM, WHITE W/PINK WRAP	COMMSCOPE 760118497 COMMSCOPE 760107268
	STATION CABLE, SECURITY - CATEGORY 6A, UTP, PLENUM, INDOOR/OUTDOOR, BLACK	COMMSCOPE 760178129
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	COMMSCOPE 760248521
	CATEGORY 6A JACK - DATA, VIOLET	COMMSCOPE 760092460
SPP1	STATION PATCH PANEL, MODULAR, 48 PORT, BLACK, 1RU	COMMSCOPE 760105429
	CATEGORY 6A JACK - DATA, VIOLET	COMMSCOPE 760092460
	BLANK INSERT, BLACK	COMMSCOPE 107065583
HWM	HORIZONTAL MANAGER, 2RU FRONT ONLY, BLACK	COMMSCOPE, PANDUIT, LEVITON

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

GENERAL AUXILIARY NOTES

1. PROVIDE PLENUM RATED CABLE FOR ALL SPECIFIED CABLE.
2. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH. ACCORDING TO WRITTEN SPECIFICATION.
3. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
4. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
5. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
6. AIM CAMERAS, BACK FOCUS AND DEMONSTRATE VIEW TO OWNERS SATISFACTION, RE-AIM AND FOCUS AS REQUESTED BY OWNER.
7. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
8. GROUND ALL EQUIPMENT RACKS, LADDER RACK, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WRITTEN SPECIFICATIONS.
GROUND ALL EQUIPMENT RACKS, LADDER RACK, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WRITTEN SPECIFICATIONS.
GROUND ALL EQUIPMENT RACKS, LADDER RACK, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WRITTEN SPECIFICATIONS.
9. COORDINATE WITH OWNER I.T. PERSONNEL ON EQUIPMENT RACK PATCH PANEL DENSITY PRIOR TO ANY CABLE TERMINATION.
10. FACEPLATE COLOR WILL BE DETERMINED BY THE ARCHITECT AND OWNER. FACEPLATE COLOR SHOULD MATCH ELECTRICAL FACEPLATE COLOR, UNLESS OTHERWISE SPECIFIED.
11. FOR EVERY PULL SPECIFIED, COIL 3 FEET OF EXCESS CABLE AT THE STATION END FOR FUTURE USE.
12. THE USE OF ZIP-TIES IS NOT ALLOWED TO BUNDLE CABLES (LACE OR TRAIN) IN LADDER RACK, CABLE TRAY, OR TO FINAL TERMINATION POINT. CONTRACTOR SHOULD UTILIZE "HOOK AND LOOP" FOR BUNDLING OF ALL CABLES.
13. THE USE OF ZIP-TIES IS NOT ALLOWED FOR THE SUPPORT OF CABLE, OR THE ATTACHMENT OF CABLES IN ANY CEILING SPACE. THE USE OF J-HOOKS IS REQUIRED FOR NON-CONTINUOUS PATHWAYS IN CEILINGS. CONTRACTORS SHOULD UTILIZE "HOOK AND LOOP" FOR BUNDLING OF ALL CABLES.

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AUXILIARY SCHEDULES AND NOTES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **PSS, SKY**
CHECKED BY: **STA**
PROJECT#: **2023-41**

SHEET NUMBER:

EE003

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AV DISPLAY DEVICE SCHEDULE

DISPLAY TYPE / ORIENTATION ABBREVIATIONS:	AVIXA STANDARD USED ABBREVIATIONS:
M = MONITOR L = LANDSCAPE P = PORTRAIT PM = POLE MOUNT PS = PROJECTION SCREEN VW = VIDEO WALL LED = DIRECT VIEW LED	NA = NOT APPLICABLE NC = NOT COMPLIANT WITH AVIXA STANDARDS OC = OBSERVING CONTENT (GENERAL VIEWING, DETAILS NOT CRITICAL) IC = INSPECTING CONTENT (SPREADSHEETS, WEB PAGES, PRESENTATIONS) ICC = INSPECTING CRITICAL CONTENT (ENGINEERING DRAWINGS, MEDICAL IMAGES)

ROOM NAME	ROOM #	LEVEL	CEILING HEIGHT	FURTHEST ON AXIS VIEWING DISTANCE	DISPLAY TYPE / ORIENTATION	IMAGE HEIGHT	IMAGE WIDTH	APPROX. PROJECTOR THROW DISTANCE	FLAT PANEL SIZE (Diagonal)	ASPECT RATIO	COMMENTS
STATIONS	105	T.O. SLAB	12' - 0"	9' - 0"	M/L				65"	16:9	
STATIONS	105	T.O. SLAB	12' - 0"	9' - 0"	M/L				65"	16:9	
DMV ENTRY	107	T.O. SLAB	12' - 0"	9' - 0"	M/L				55"	16:9	
DLD ENTRY	200	T.O. SLAB	12' - 0"	0' - 0"	M/L				75"	16:9	
WAITING	201	T.O. SLAB	0' - 0"	12' - 0"	M/L				65"	16:9	
STATIONS	210	T.O. SLAB	12' - 0"	23' - 0"	M/L				65"	16:9	
WAITING AREA	301	T.O. SLAB	14' - 0"	10' - 0"	M/L				55"	16:9	
FAMILY VISIT ROOM	302	T.O. SLAB	10' - 0"	10' - 0"	M/L				55"	16:9	
FAMILY VISIT ROOM	303	T.O. SLAB	10' - 0"	10' - 0"	M/L				55"	16:9	
FAMILY VISIT / CONF ROOM	304	T.O. SLAB	10' - 0"	15' - 6"	M/L				75"	16:9	REUSE EXISTING SMARTBOARD
MED CONF	517	T.O. SLAB	10' - 0"	11' - 0"	M/L				65"	16:9	
LARGE CONF	520	T.O. SLAB	9' - 0"	25' - 0"	M/L				98"	16:9	
LARGE CONF	520	T.O. SLAB	9' - 0"	25' - 0"	M/L				98"	16:9	
MED CONF	521	T.O. SLAB	10' - 0"	11' - 0"	M/L				65"	16:9	
BREAKOUT RM	522	T.O. SLAB	10' - 0"	7' - 0"	M/L				43"	16:9	
BREAKOUT RM	523	T.O. SLAB	10' - 0"	7' - 0"	M/L				43"	16:9	

AV RACEWAY SYSTEMS SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING (UNLESS OTHERWISE NOTED ON DRAWINGS)
2B	4-11/16" BOX, MAXIMUM DEPTH FOR STUD SPACE, W/ 2-GANG MUD RING. COVER EACH JUNCTION BOX WITH A BLANK PLATE.	RECESSED IN WALL/MILLWORK AT ELECTRICAL OUTLET HEIGHT UNLESS NOTED OTHERWISE ON DRAWINGS
14B	14.5" SQUARE JUNCTION BOX w/ COVER	RECESSED IN WALL AT 8" AFF TO THE BOTTOM OF THE BOX
TP10	4-11/16" BOX, MAXIMUM DEPTH FOR STUD SPACE, W/ 2-GANG MUD RING. COVER EACH JUNCTION BOX WITH A BLANK PLATE.	RECESSED IN WALL AT ELECTRICAL SWITCH HEIGHT
FB# D# A#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO ELECTRICAL SCHEDULES FOR REQUIREMENTS. FB# = FLOORBOX, RECTANGULAR COVER, GANGS D# = DATA CABLES A# = A/V GANGS	FLUSH MOUNTED IN FINISHED FLOOR
FB# D# A# FB	FLOOR BOX RISER DIAGRAM SYMBOL	
	CONDUIT STUB W/ NYLON BUSHING	
M# M# DS	LARGE CAPACITY JUNCTION BOX W/ FRAME & COVER, CHIEF PAC 526 FCW (FOR MONITORS)	RECESSED IN THE WALL, CENTERED HORIZONTALLY AND VERTICALLY BEHIND MONITORS WHERE SHOWN IN ARCHITECTURAL ELEVATIONS
	JUNCTION BOX, 4-11/16" BOX W/ 2-GANG MUD RING, FOR CAMERA	RECESSED IN THE WALL AT 96" AFF
	#6 THHN W/ GREEN INSULATION	
S	SPEAKER LOCATION, JBL TILE RAIL ACOUSTIC TILE CEILINGS, JBL MTC-47NC NEW CONSTRUCTION BRACKET IN GYPSUM BOARD CEILINGS	RECESSED IN FINISHED CEILING
S2	JUNCTION BOX, 2-GANG, FOR FULL RANGE PENDANT MOUNTED, FULL RANGE SPEAKER	MOUNTED TO STRUCTURE ABOVE
S3	SPEAKER LOCATION FOR SOUND MASKING SPEAKER	MOUNTED TO STRUCTURE ABOVE
	RACEWAY, 3/4" MINIMUM, SEE DIV. 26 FOR FULL REQUIREMENTS. REFER TO RISER DIAGRAMS FOR EXACT SIZES	CONCEALED BEHIND FINISHED SURFACES
M	CONDUIT STUB W/ NYLON BUSHING FOR CEILING MOUNTED MICROPHONE	STUB TO WITHIN 12" OF T-BAR GRID ELEVATION
CBM	CONFERENCING BAR LOCATION	

GENERAL PROJECT AV NOTES

1. IF THE BOXES, ENCLOSURES, & CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCK OUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCK OUTS TO TERMINATE THE QUANTITY AND SIZES OF THE SPECIFIED CONDUITS.
2. MAINTAIN MAXIMUM SEPARATION BETWEEN A/V SYSTEM CONDUIT AND ALL POWER CONDUIT.
3. INSTALL NYLON PULL STRINGS IN ALL A/V SYSTEM CONDUIT.
4. INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED UNLESS SPECIFICALLY IDENTIFIED IN DRAWINGS.
5. IDENTIFY ALL CONDUIT, BOXES, AND PULL STRINGS IN COMPLIANCE WITH THE SPECIFICATIONS.
6. ABBREVIATIONS:
   AFF - ABOVE FINISHED FLOOR
   C - CONDUIT (EMT)
   EA - EACH
   TYP - TYPICAL
7. COVER ALL INSTALLED JUNCTION BOXES, FLOOR BOX OPENINGS, AND SURFACE RACEWAY DEVICE PLATES WITH BLANK COVERS.
8. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED SURFACES.
9. FURNISH AND INSTALL ELECTRIC METALLIC TUBE (EMT) CONDUIT. DO NOT PROVIDE FLEXIBLE CONDUIT.
10. INSTALL ALL RACEWAY SYSTEM EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, INDUSTRY-WIDE ACCEPTED RIGGING PRACTICES AND THE SEISMIC DESIGN CODES AND STANDARDS APPLICABLE TO THE SEISMIC DESIGN CATEGORY FOR THE BUILDING GEOGRAPHICAL LOCATION. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING SOLUTIONS.
11. INSTALL ALL RACEWAY SYSTEMS IN COMPLIANCE WITH ANSI/EIA/TIA 569-B WHICH INCLUDES, BUT IS NOT LIMITED TO, ANY CONDUIT HAVING NO MORE THAN TWO 90 DEGREE BENDS.
12. INSTALL ALL CONDUIT USING THE SHORTEST POSSIBLE ROUTE BETWEEN THE ORIGIN AND DESTINATION POINTS.
13. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT PLACEMENT AND COORDINATION OF ALL CEILING MOUNTED FIXTURES AND DEVICES.

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AV ROUGH-IN GENERAL NOTES AND SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
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DRAWN BY: **NTD**
CHECKED BY: **SXR**
PROJECT#: **2023-41**

SHEET NUMBER:

EE004

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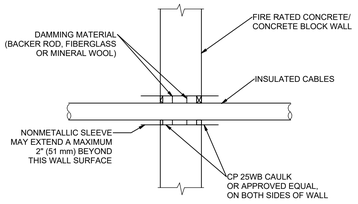
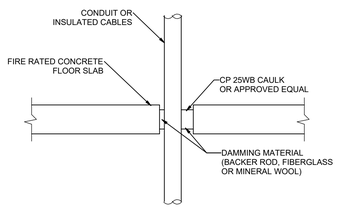


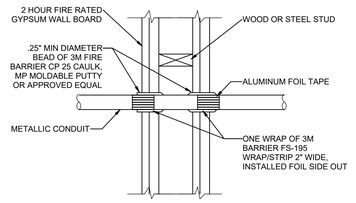
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS

12 SCALE: NTS



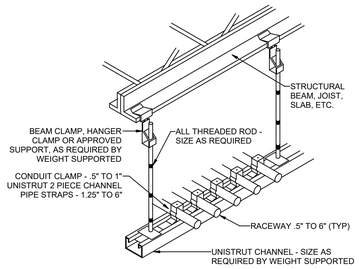
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

9 SCALE: NTS



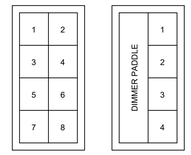
FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD

8 SCALE: NTS



TYP CONDUIT RACK DETAIL

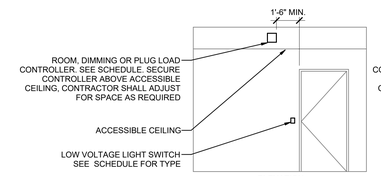
4 SCALE: NTS

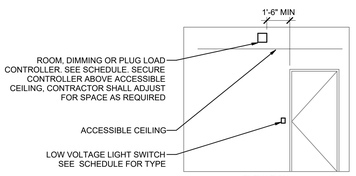


TYPICAL WALL STATION CONFIGURATION

TYPICAL WALL STATIONS LAYOUTS

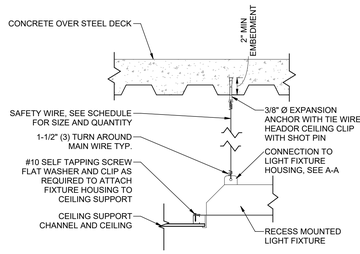
3 SCALE: NTS



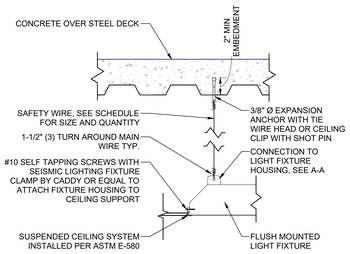


TYPICAL ROOM CONTROLLER MOUNTING DETAILS

2 SCALE: NTS



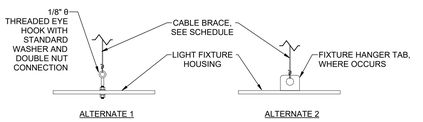
RECESSED MOUNTING



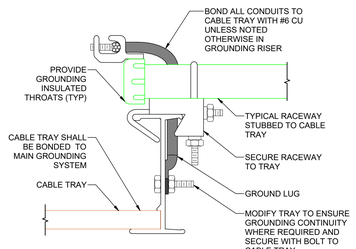
FLUSH MOUNTING

SUSPENDED LIGHT FIXTURE SCHEDULE

WEIGHT (LBS)	QTY #12 GAUGE WIRES	COMMENTS
0-10	(1)	CONNECT AT CENTER OF GRAVITY OF FIXTURE. NEED NOT BE INSTALLED TAUT
10-56	(2)	INSTALL ON OPPOSITE CORNERS. NEED NOT BE INSTALLED TAUT
<56	(4)	INSTALL ONE EACH CORNER MUST BE INSTALLED TAUT INDEPENDENTLY BRACED FROM CEILING

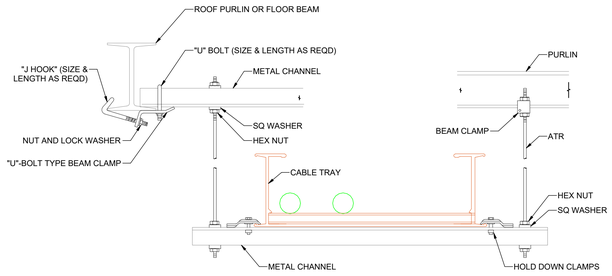


DETAIL A-A



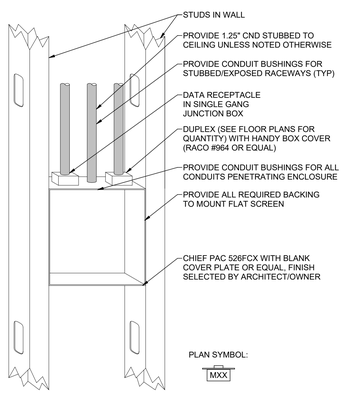
TYPICAL CONDUIT TO CABLE TRAY ADAPTER W/ GROUNDING DETAIL

11 SCALE: NTS



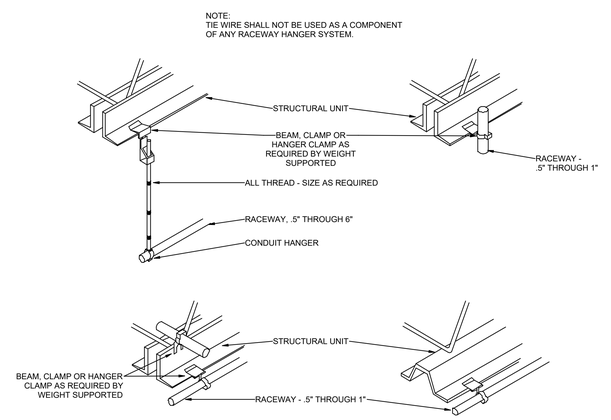
TYPICAL INDOOR CABLE TRAY MOUNTING DETAIL

7 SCALE: NTS



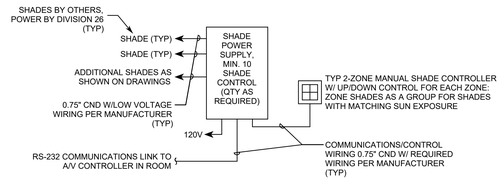
TYPICAL FLAT PANEL RECEPTACLE ROUGH-IN DETAIL

10 SCALE: NTS



TYPICAL RACEWAY SUPPORT METHODS DETAIL

6 SCALE: NTS



*SHADES BY OTHERS, POWER & RACEWAYS BY DIVISION 26 (TYP)
**CONTRACTOR SHALL PROVIDE ALL REQUIRED DEVICES FOR A FULLY FUNCTIONING SYSTEM AS RECOMMENDED BY MANUFACTURE.

TYPICAL AUTOMATIC SHADE CONTROL RISER DIAGRAM

5 SCALE: NTS

LIGHT FIXTURE CONNECTION

1 SCALE: NTS

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EE501

5/21/2026 3:53:21 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/250360-Elec Central_NEW.rvt
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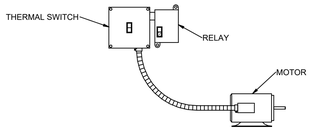
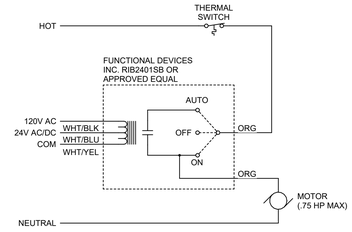
NOTE: THERMAL SWITCH AND RELAY MUST BE MOUNTED WITHIN SIGHT OF MOTOR BEING CONTROLLED.



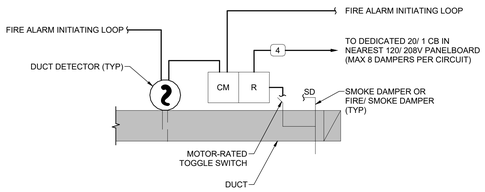
LAYOUT DIAGRAM



SCHEMATIC DIAGRAM

4 120V FRACTIONAL MOTOR CONTROL

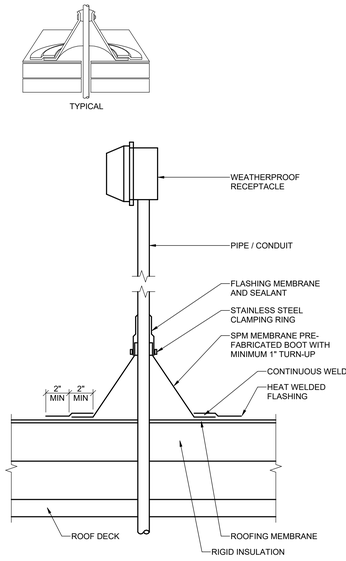
SCALE: NTS



NOTES:
1. FOR EACH SMOKE DAMPER SHOWN ON PLANS PROVIDE ALL DEVICES AND WIRING PER THIS DETAIL. THESE ARE NOT SHOWN ON PLANS FOR LEGIBILITY PURPOSES.
2. DUCT DETECTOR WITHIN 5' OF EVERY SMOKE DAMPER TO CLOSE DAMPER UPON ACTIVATION PER IMC REQUIREMENTS.
3. VERIFY QUANTITY AND LOCATIONS OF ALL SMOKE DAMPERS WITH THE HVAC INSTALLER.
4. PROVIDE ONE CONTROL MODULE PER SMOKE DAMPER UNLESS THE REQUIRED CONTROL SEQUENCE ALLOWS GROUPING OF DAMPERS IN WHICH CASE EACH GROUPING OF DAMPERS MAY SHARE ONE CONTROL MODULE.

3 TYPICAL SMOKE DAMPER FIRE ALARM DETAIL

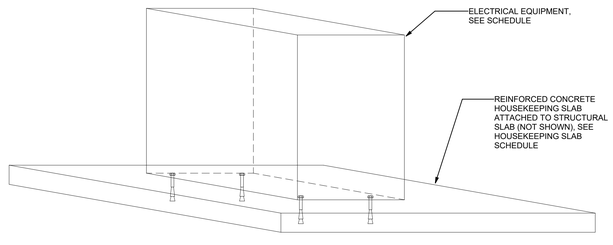
SCALE: NTS



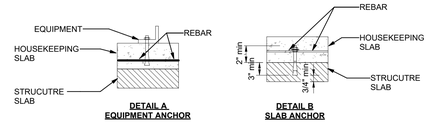
ROOF MOUNTED SERVICE RECEPTACLE INSTALLATION

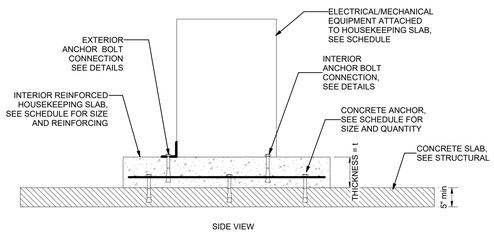
2

SCALE: NTS



ISOMETRIC VIEW

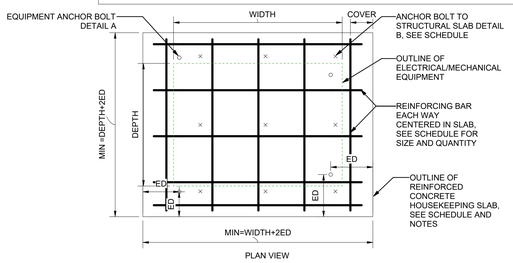




SIDE VIEW

HOUSEKEEPING SLAB SCHEDULE							
LENGTH (in)	THICKNESS (in)	BAR SIZE (#)	QUANTITY	SPACING (in o.c.)	COVER (in)	SLAB ANCHOR DIAMETER	ANCHOR QTY (B) & # ROWS (R)
24	4	3	2	21	1.5	3/8"	2B, 2R
36	4	3	3	16	1.5	3/8"	3B, 2R
48	4	3	4	15	1.5	3/8"	3B, 3R
60	4	3	5	14	1.5	3/8"	4B, 3R
72	6	4	5	17	1.5	1/2"	5B, 3R
84	6	4	6	16	1.5	1/2"	6B, 3R
96	6	4	6	18	1.5	1/2"	6B, 4R
108	6	4	7	17	1.5	1/2"	7B, 4R

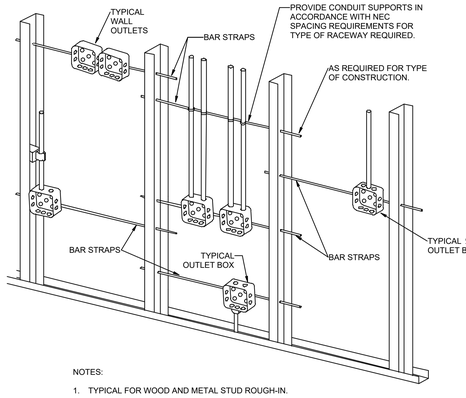
NOTE:
1. EDGE DISTANCE (ED) = 6" UNLESS NOTED OTHERWISE.
2. FOR REINFORCING IN THE WIDTH DIRECTION REFER TO SCHEDULE ABOVE AND SUBSTITUTE WIDTH DIMENSION FOR THE LENGTH.
3. ALL REINFORCING IS TO BE TIED IN PLACE AND CHAIRED TO THE CORRECT HEIGHT (CENTER OF SLAB) PRIOR TO PLACING CONCRETE.
4. ICC APPROVED WEDGE ANCHOR BOLTS SHALL BE EQUALLY SPACED AND EMBEDDED 3" MIN. INTO STRUCTURAL SLAB. BOLTS SHALL PROTRUDE FROM SLAB A MIN. OF 2" AND SHALL HAVE DOUBLE NUT WITH FLAT WASHER BETWEEN. ALL ANCHORS BOLTS SHALL BE INSIDE THE PERIMETER REINFORCING STEEL
5. **THIS SCHEDULE OF FOR BIDDING PURPOSES ONLY!** THE ACTUAL HOUSEKEEPING SLAB DESIGN AND REINFORCING SHALL BE SUBMITTED VIA DEFERRED SUBMITTAL BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
6. 3000 PSI CONCRETE STRENGTH AT 28 DAYS MIN UNLESS NOTED OTHERWISE
7. STRUCTURAL SLAB DESIGN PER OTHERS. DO NOT CUT OR DAMAGE POST TENSION CABLES OR SLAB REINFORCING. VERIFY WITH STRUCTURAL ENGINEER



PLAN VIEW

5 TYPICAL CONCRETE HOUSEKEEPING PAD

SCALE: NTS



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET BOXES.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

1 TYPICAL ROUGH-IN REQUIREMENTS DETAIL

SCALE: NTS

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ajcarchitects.com

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STATE OF UTAH
05/26/2026

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL DETAILS

REVISIONS

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1	05/14/26	PERMIT REVISIONS

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ISSUE TYPE: **CONFORMED SET**
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CHECKED BY: **MJH**
PROJECT#: **2023-41**

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GROUNDING SCHEDULE

NOTES

1. ALL CONDUCTORS ARE INSULATED UNLESS INDICATED OTHERWISE.
2. REFER TO ONE LINE AND ET SHEETS FOR ADDITIONAL GROUNDING REQUIREMENTS. WHERE DISCREPANCIES ARE FOUND, CONTRACTOR SHALL PROVIDE LARGEST GROUND CABLE SIZE.

SYMBOL	SIZE / DESCRIPTION
G1	#6 CU.
G2	#4 CU.
G4	#4/0 CU.
G8	12"X2"X1/4" COPPER BUS WITH PRE-DRILLED HOLES MOUNTED ON INSULATORS IN ELECTRICAL & TELECOMM CLOSETS. PART #: TMGB/TGB TYP.
G10	16"X4"X1/4" COPPER BUS WITH PRE-DRILLED HOLES MOUNTED ON INSULATORS. PART #: TMGB

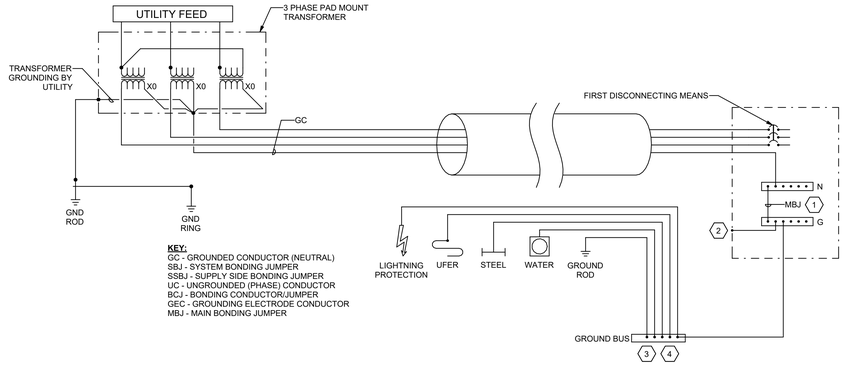
SHEET KEYNOTES

1 NEUTRAL TO GROUND BOND HERE.

2 BOND TO EQUIPMENT.

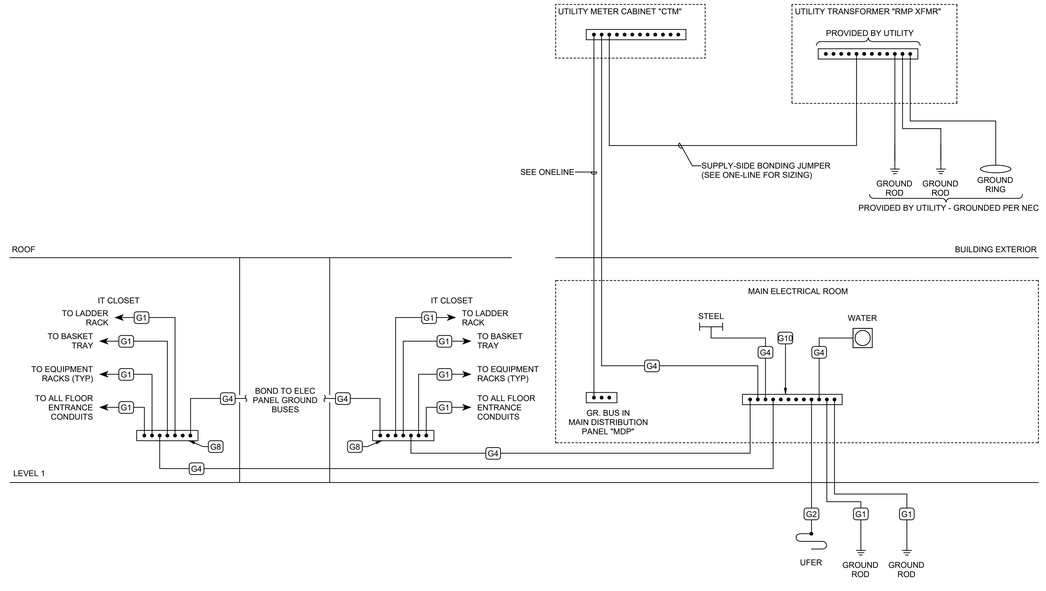
3 COMMON BUILDING GROUNDING ELECTRODE BUS.

4 BOND ALL AVAILABLE GROUNDING ELECTRODES AT BUILDING.



TYPICAL OUTDOOR UTILITY TRANSFORMER SEPARATELY DERIVED SYSTEM GROUNDING AND BONDING DETAIL

2 SCALE: NTS



GROUNDING RISER DIAGRAM

1 SCALE: NTS

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GROUNDING RISER DIAGRAM

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CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EE601

GENERAL SHEET NOTES

1 MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:

A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).

B - EQUIPMENT SHOP DRAWINGS.

C - FIELD INSTRUCTIONS.

2 LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.

3 MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.

4 MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.

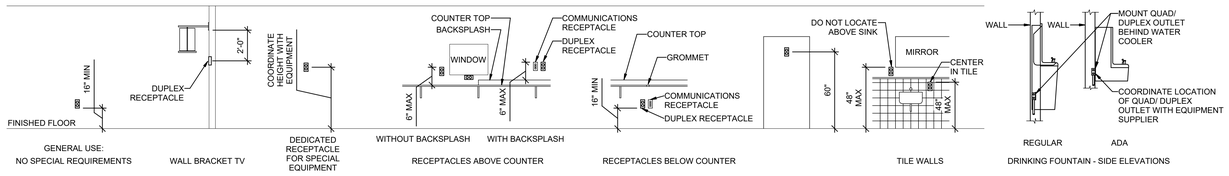
5 SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.

6 LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.

7 VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.

8 LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

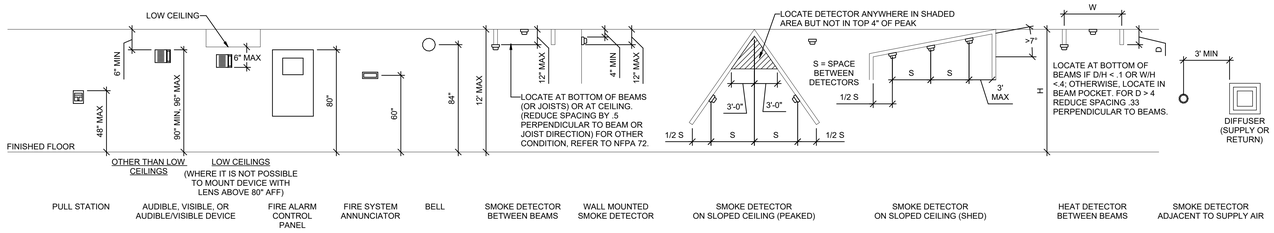
9 WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.



GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | WITHOUT BACKSPLASH | WITH BACKSPLASH | RECEPTACLES ABOVE COUNTER | RECEPTACLES BELOW COUNTER | TILE WALLS | REGULAR | ADA | DRINKING FOUNTAIN - SIDE ELEVATIONS

E2 RECEPTACLE MOUNTING DETAILS

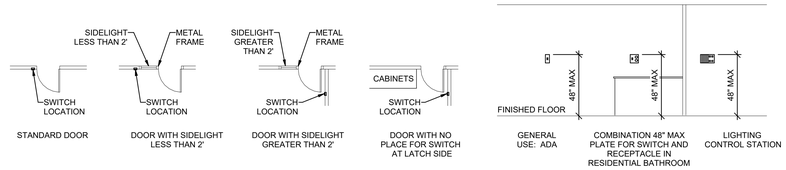
SCALE: NTS



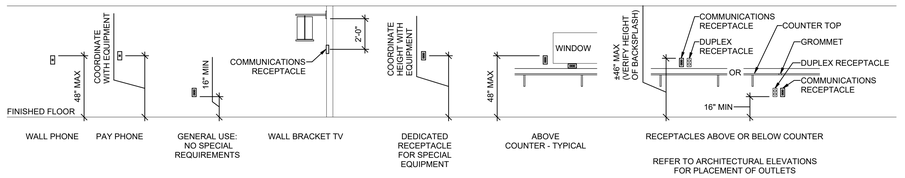
PULL STATION | AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE | FIRE ALARM CONTROL PANEL | FIRE SYSTEM ANNUNCIATOR | BELL | SMOKE DETECTOR BETWEEN BEAMS | WALL MOUNTED SMOKE DETECTOR | SMOKE DETECTOR ON SLOPED CEILING (PEAKED) | SMOKE DETECTOR ON SLOPED CEILING (SHED) | HEAT DETECTOR BETWEEN BEAMS | SMOKE DETECTOR ADJACENT TO SUPPLY AIR

6 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



STANDARD DOOR | DOOR WITH SIDELIGHT LESS THAN 2' | DOOR WITH SIDELIGHT GREATER THAN 2' | DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE | GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION

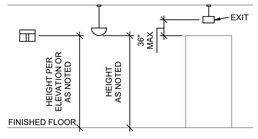


WALL PHONE | PAY PHONE | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | ABOVE COUNTER - TYPICAL | RECEPTACLES ABOVE OR BELOW COUNTER

REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS

C2 SWITCH MOUNTING DETAILS

SCALE: NTS



WALL MOUNTED LIGHT FIXTURE | PENDANT LIGHT FIXTURE | PENDANT EXIT SIGNS

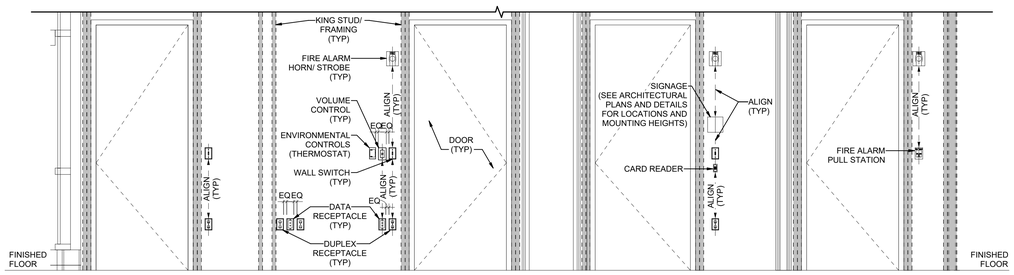


FOR LESS THAN 24" SEPARATION, PROVIDE LISTED SOUND AND FIRE PUTTY PADS

BOXES ON OPOSITE SIDES OF WALL

2 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS



4 LIGHTING MOUNTING DETAILS

SCALE: NTS

3 BOX MOUNTING DETAILS

SCALE: NTS

1 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

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STATE OF UTAH
05/26/2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TYPICAL MOUNTING DETAILS

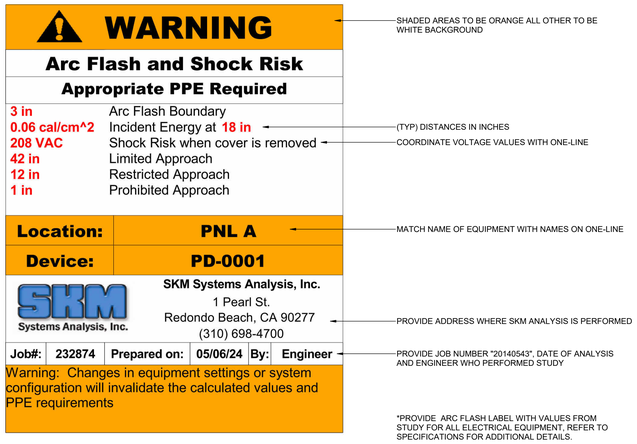
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

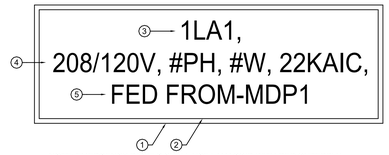
SHEET NUMBER:

EE701



5 TYPICAL ARC FLASH LABEL
SCALE: NTS

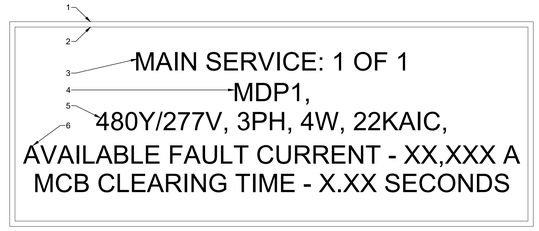
1. LABEL TO BE PROVIDED AT EACH SWITCHBOARD, PANELBOARD, DISCONNECT/STARTER. LABEL IS TO BE 3" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. REPLACE THE LETTER/NUMBER WITH THOSE FOUND ON THE ONE-LINE DIAGRAM.
4. SECOND LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED, VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF DEVICE.
5. THIRD LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. PROVIDE "FED FROM-" AND REPLACE MDP1 WITH THE DEVICES NAME THAT FEEDS THE PANELBOARD.



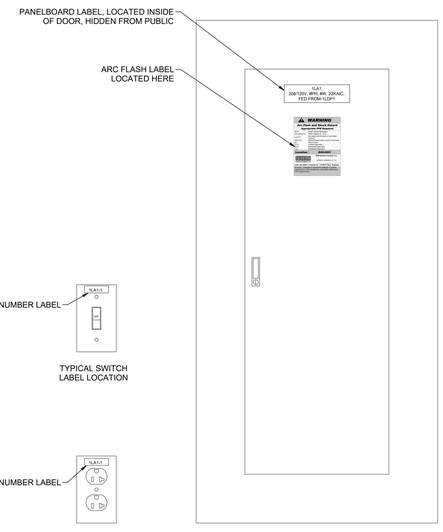
NOTE: EMERGENCY PANELS SHALL USE LAMACOID WITH RED OUTERPLY, EXPOSING WHITE LETTERING BENEATH. CONTRACTOR TO USE SAME LABEL SCHEME EXCEPT FIRST 'X' IS REPLACED WITH 'E' FOR EMERGENCY. SECOND 'X' TO BE 'L' FOR LOW OR 'H' FOR HIGH VOLTAGE (480/277V). LAST '#' TO BE REPLACED WITH LETTER INDICATING LOCATION OF PANEL.

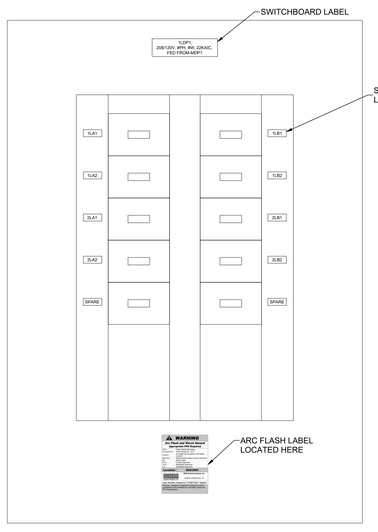
3 TYPICAL PANELBOARD/SWITCHBOARD LABEL
SCALE: NTS

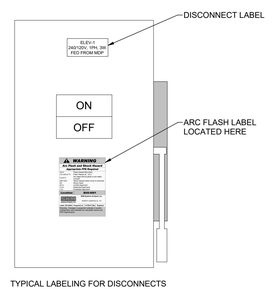
NOTES:
1. LABEL TO BE PROVIDED THAT IS TO BE 4" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL
3. FIRST LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATED AS SHOWN. LABEL WITH THE NUMBER OF SERVICES AS SHOWN ON THE ONE-LINE
4. SECOND LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, WITH THE EQUIPMENT ID MATCHIGN PLANS
5. THIRD LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED, VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF GEAR
6. FOURTH & FIFTH LINES: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. LABEL WITH ACTUAL AVAILABLE FAULT CURRENT AND ASSOCIATED CLEARING TIME



2 TYPICAL MAIN SERVICE EQUIPMENT/GEAR LABEL
SCALE: NTS

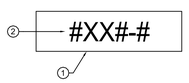






NOTES:
1. LABEL TO BE CENTERED IN EQUIPMENT, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.
2. REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIREMENTS.
3. DISPOSE OF AN EXISTING PANELBOARD NAME PLATES WHEN INSTALLING NEW NAME PLATES.

1. SWITCH AND RECEPTACLE LABEL TO BE PROVIDED AT EACH SWITCH OR RECEPTACLE. LABEL IS TO BE 1.5"W X .5"H. LABEL TO BE CLEAR WITH ADHESIVE ON THE BACK.
2. LETTERING IS TO BE .25" HIGH, CENTERED, AND FORMATTED AS SHOWN. FIRST SET OF SYSMBOLS CORRESPOND TO THE PANEL THE EQUIPMENT IS TIED TO, SEE TYPICAL PANELBOARD LABEL DETAIL. THIRD '#' IS TO IDENTIFY THE CIRCUIT BREAKER THE EQUIPMENT IS TIED TO.



4 TYPICAL SWITCH/ RECEPTACLE LABEL
SCALE: NTS

1 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD/SWITCHBOARD LABELING LOCATION DETAIL
SCALE: NTS

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DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TYPICAL LABELING DETAILS

REVISIONS

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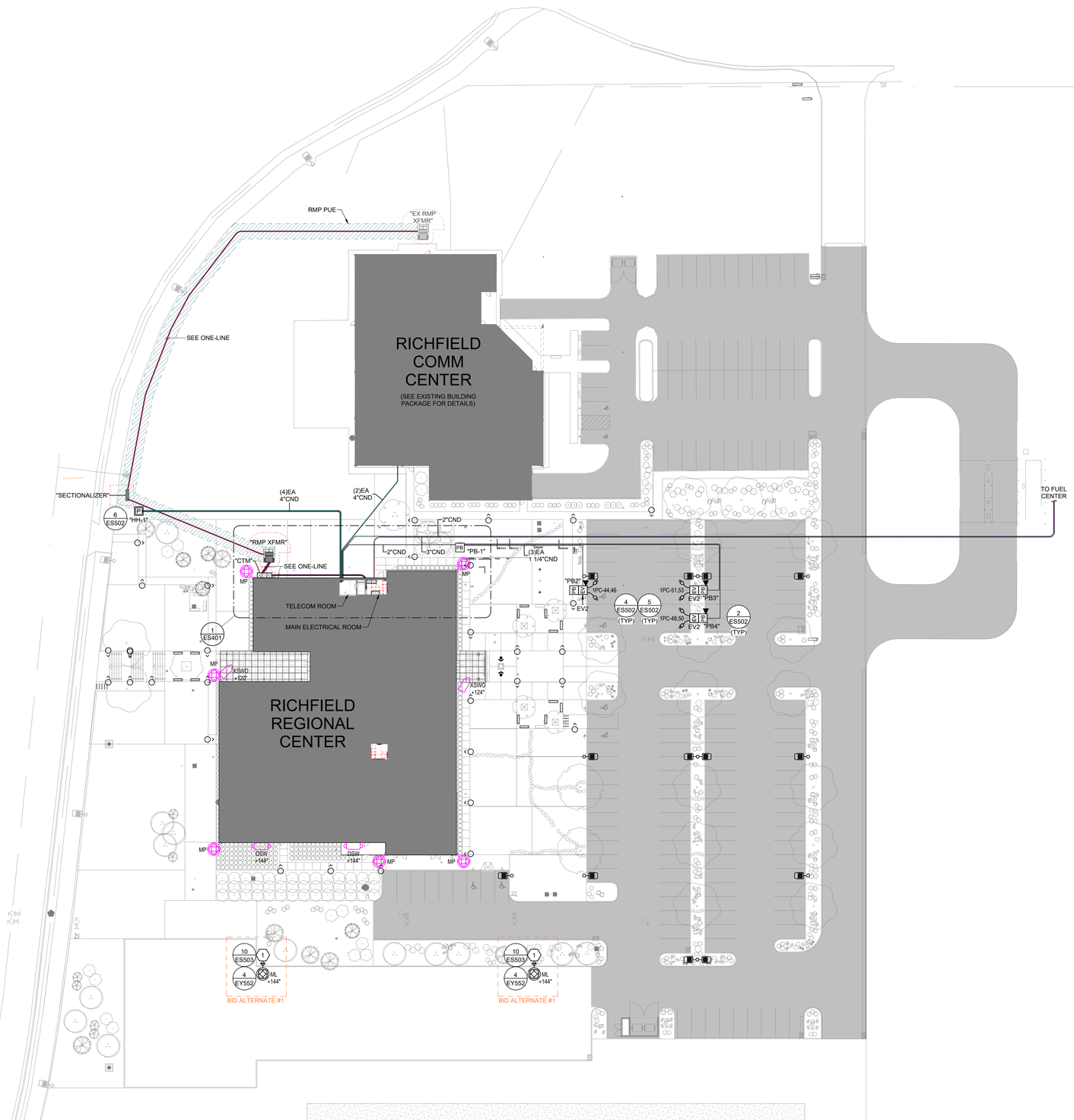

1 ELECTRICAL SITE PLAN - OVERALL
SCALE: 1" = 30'-0"

NORTH

0 15' 30' 60'

GENERAL SHEET NOTES

1 THE CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PREFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS OF EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WHETHER SHOWN ON THE DRAWINGS OR NOT. COORDINATE ALL UNDERGROUND CONDUIT AND DUCTBANK WORK TO ENSURE REQUIREMENTS ARE MET.

2 ALL POLE MOUNTED LIGHTS SHALL BE INSTALLED IN STRAIGHT LINES, SQUARE, AND PLUMB. FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.

3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, COMPACTION AND CONCRETE/ASPHALT CUTTING AND REPLACEMENT TO MATCH EXISTING SURFACES ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.

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5 PROVIDE PHOTOCELL ON NORTH SIDE OF FACILITY TO CONTROL EXTERIOR LIGHTS.

6 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.

7 PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.

8 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24 (B).

9 ALL SITE LIGHTING SHALL BE A MINIMUM #10 AWG WIRING AND SHALL BE INCREASED IN SIZE FOR ACTUAL LENGTHS PER BRANCH CIRCUIT CONDUCTOR CHART AND SPECIFICATIONS.

10 CONTRACTOR SHALL POTHOLE AND FIELD LOCATE ALL EXISTING UTILITY CROSSINGS THAT OCCUR FOR THE UNDERGROUND ELECTRICAL WORK SHOWN PRIOR TO EXCAVATION.

11 ALL UNDERGROUND CONDUIT BENDS SHALL BE LONG SWEEP FACTORY ELBOWS.

12 CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. ADJUST THE ROUTING OF THE CONDUIT UP TO 15' HORIZONTALLY OR 3' DEEPER AS REQUIRED TO AVOID OTHER UTILITIES AND OBSTRUCTIONS AS PER CLEARANCE REQUIREMENTS.

13 COORDINATE LOCATIONS, SIZES, DEPTHS, ETC. OF ALL STRUCTURAL FOUNDATIONS, FOOTINGS, WALLS, ETC. WITH STRUCTURAL INSTALLER PRIOR TO ROUGH-IN/TRENCHING.

14 COORDINATE LOCATIONS AND DIMENSIONS OF CONDUIT BLOCKOUTS WITH STRUCTURAL INSTALLER PRIOR TO ROUGH-IN. CONTRACTOR SHALL SLEEVE FOUNDATION WALLS FOR ALL CONDUIT PENETRATIONS THROUGH WALL. REFER TO SPECIFICATIONS FOR SLEEVE DETAILED REQUIREMENTS.

15 CAMERAS SHOWN IN MAGENTA ARE DUPLICATES OF FLOORPLAN CAMERAS AND ARE TO BE USED FOR SITE COVERAGE PURPOSES ONLY.

SHEET KEYNOTES

1 SECURITY CONTRACTOR TO MATCH POLE TYPE, SIZE, POLE BASE, CONCRETE BASE, AND FINISH AS ZX1 FOUND ON EL601.

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PROJECT DESCRIPTION

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DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL SITE PLAN - OVERALL

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

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ISSUE TYPE: **CONFORMED SET**
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PROJECT#: **2023-41**

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ES101

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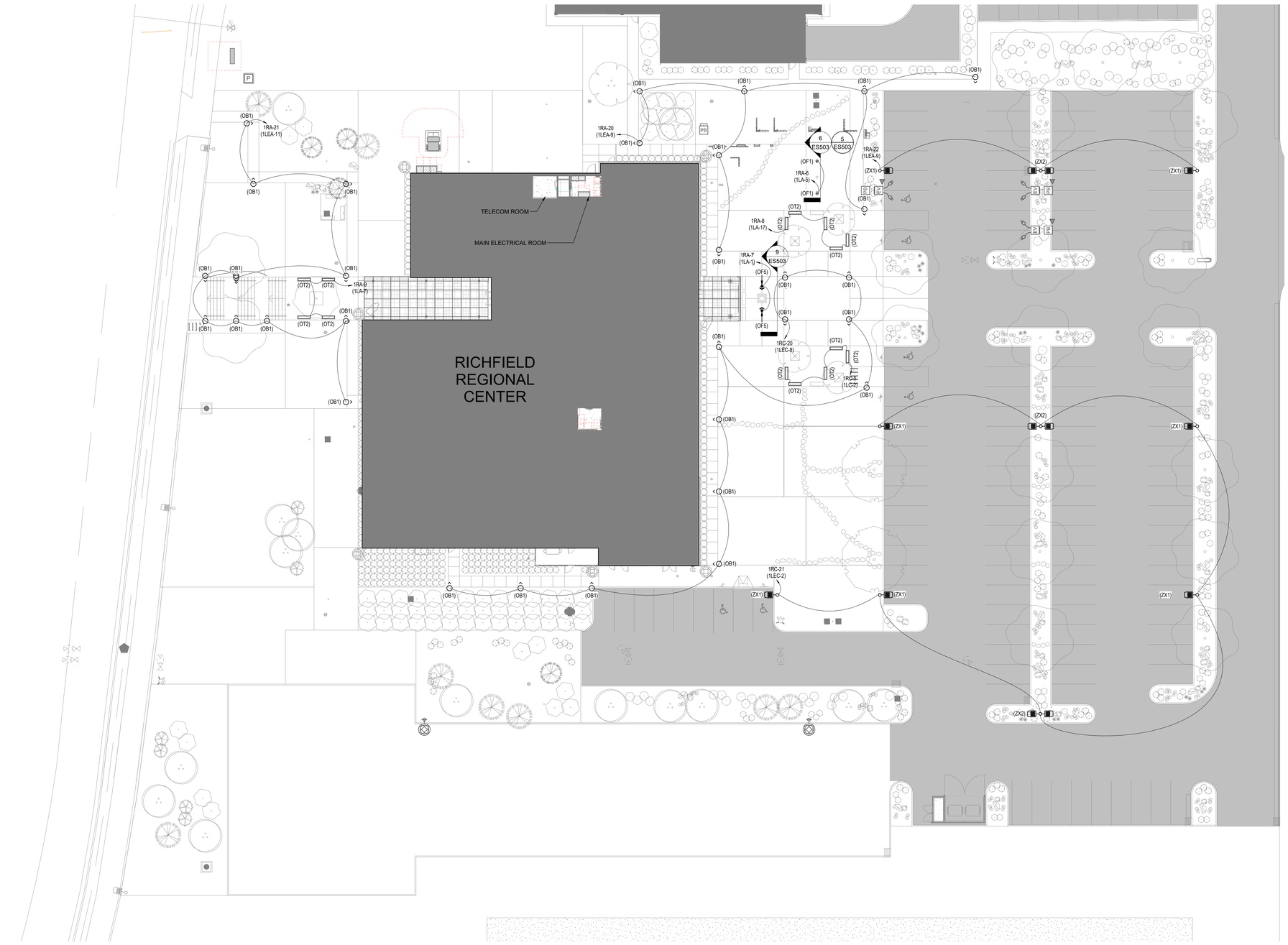

1 ELECTRICAL SITE LIGHTING PLAN

SCALE: 1" = 20'-0"

NORTH

0 10' 20' 40'

GENERAL SHEET NOTES

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ES102

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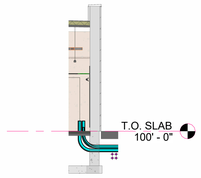
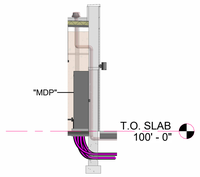
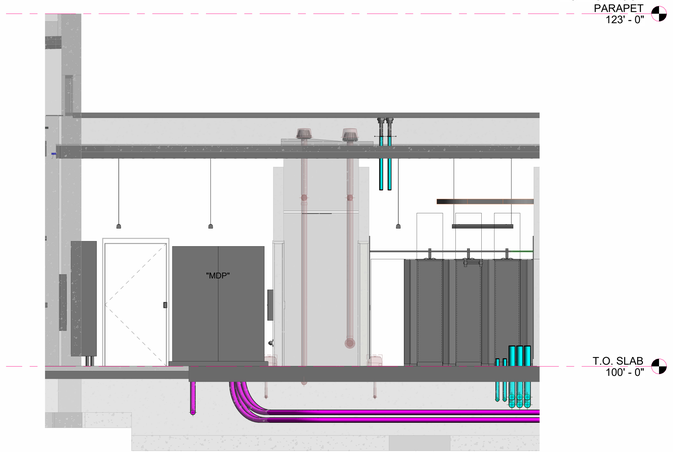


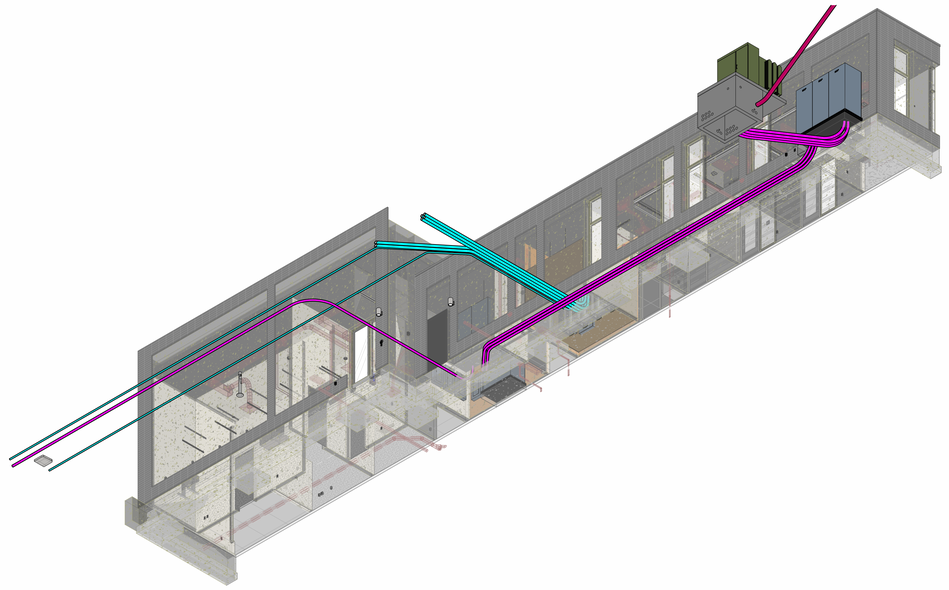
5 ENLARGED TELECOM CONDUIT SECTION - EAST
SCALE: 1/8" = 1'-0"



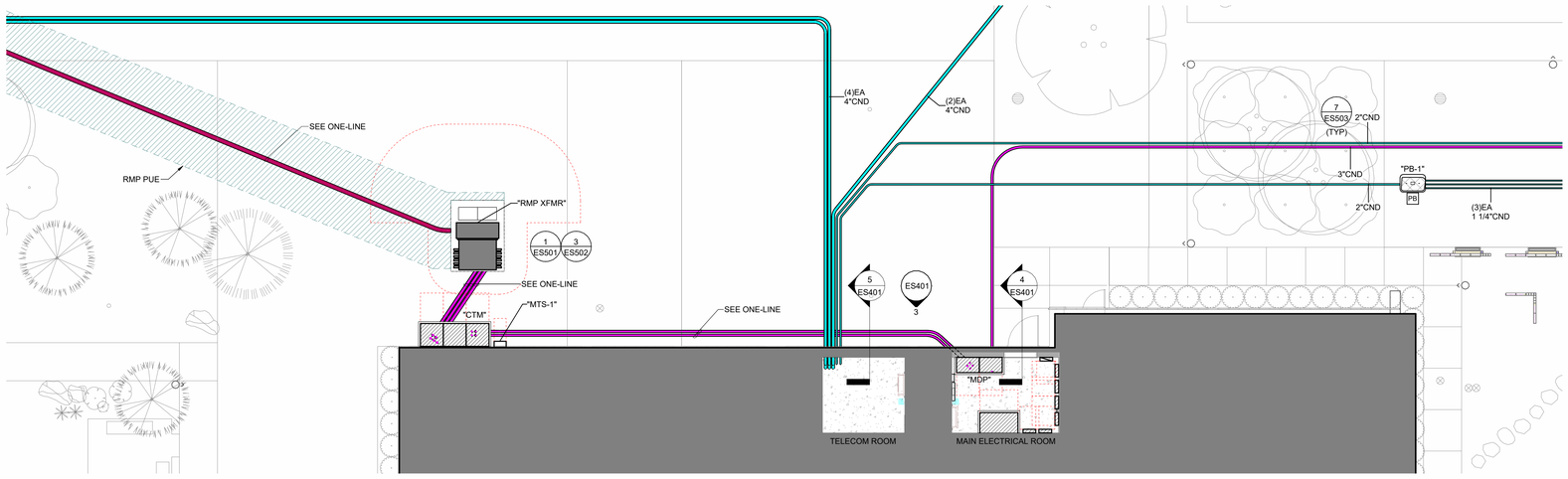
4 ENLARGED ELECTRICAL CONDUIT SECTION - EAST
SCALE: 1/8" = 1'-0"



3 ENLARGED CONDUIT ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



2 ENLARGED UNDERGROUND CONDUIT PLAN
SCALE: NTS



1 ENLARGED UTILITY YARD ELECTRICAL SITE PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES

1 THE CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PREFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS OF EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WHETHER SHOWN ON THE DRAWINGS OR NOT. COORDINATE ALL UNDERGROUND CONDUIT AND DUCTBANK WORK TO ENSURE REQUIREMENTS ARE MET.

2 ALL POLE MOUNTED LIGHTS SHALL BE INSTALLED IN STRAIGHT LINES, SQUARE, AND PLUMB. FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.

3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, COMPACTION AND CONCRETE/ASPHALT CUTTING AND REPLACEMENT TO MATCH EXISTING SURFACES ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.

4 THE CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND CONCRETE SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.

5 PROVIDE PHOTOCELL ON NORTH SIDE OF FACILITY TO CONTROL EXTERIOR LIGHTS.

6 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.

7 PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.

8 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24 (B).

9 ALL SITE LIGHTING SHALL BE A MINIMUM #10 AWG WIRING AND SHALL BE INCREASED IN SIZE FOR ACTUAL LENGTHS PER BRANCH CIRCUIT CONDUCTOR CHART AND SPECIFICATIONS.

10 CONTRACTOR SHALL POTHOLE AND FIELD LOCATE ALL EXISTING UTILITY CROSSINGS THAT OCCUR FOR THE UNDERGROUND ELECTRICAL WORK SHOWN PRIOR TO EXCAVATION.

11 ALL UNDERGROUND CONDUIT BENDS SHALL BE LONG SWEEP FACTORY ELBOWS.

12 CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. ADJUST THE ROUTING OF THE CONDUIT UP TO 15' HORIZONTALLY OR 3' DEEPER AS REQUIRED TO AVOID OTHER UTILITIES AND OBSTRUCTIONS AS PER CLEARANCE REQUIREMENTS.

13 COORDINATE LOCATIONS, SIZES, DEPTHS, ETC. OF ALL STRUCTURAL FOUNDATIONS, FOOTINGS, WALLS, ETC. WITH STRUCTURAL INSTALLER PRIOR TO ROUGH-IN/TRENCHING.

14 COORDINATE LOCATIONS AND DIMENSIONS OF CONDUIT BLOCKOUTS WITH STRUCTURAL INSTALLER PRIOR TO ROUGH-IN. CONTRACTOR SHALL SLEEVE FOUNDATION WALLS FOR ALL CONDUIT PENETRATIONS THROUGH WALL. REFER TO SPECIFICATIONS FOR SLEEVE DETAILED REQUIREMENTS.

15 CAMERAS SHOWN IN MAGENTA ARE DUPLICATES OF FLOORPLAN CAMERAS AND ARE TO BE USED FOR SITE COVERAGE PURPOSES ONLY.

SHEET KEYNOTES

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED ELECTRICAL SITE PLANS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

ES401

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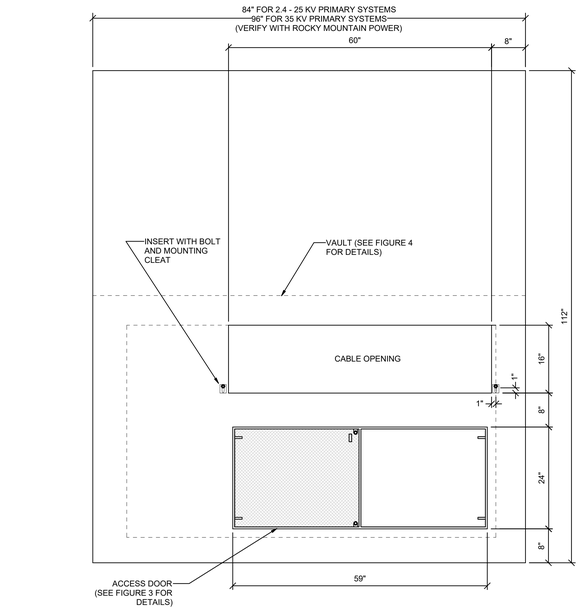


FIGURE 2 - PADVAULT PAD WITH ACCESS 84" OR 96" WIDE

2.4 - 25kV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS, STOCK ITEM 7992600-STOCK ITEM 1790023

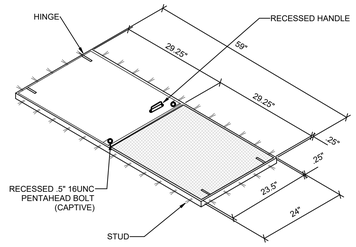
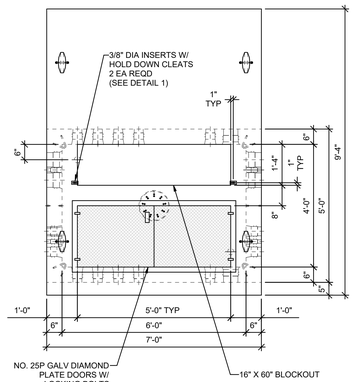
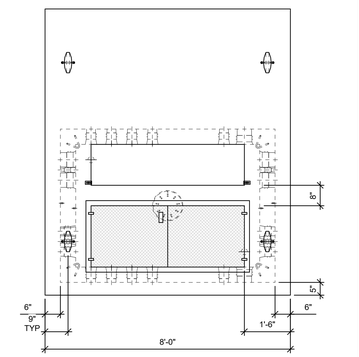


FIGURE 3 - ACCESS DOOR DETAIL



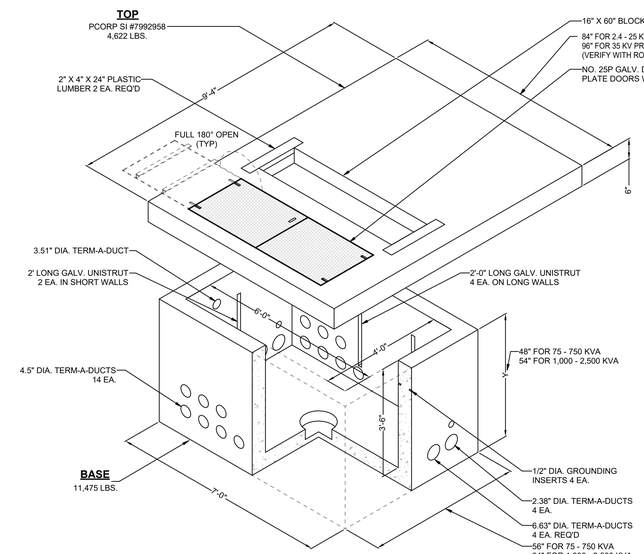
PLAN VIEW

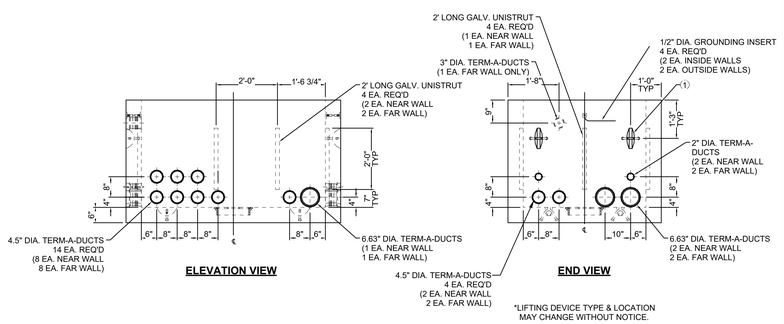
2.4-25 kV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS
PCORP #7992600 - SI #1790023



PLAN VIEW

35 kV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS
PCORP #7992602 - SI #1008977





NOTE: PRIOR TO ORDERING AND INSTALLING THE PADVAULT, SUBMIT PADVAULT TO ROCKY MOUNTAIN POWER FOR APPROVAL AND VERIFICATION, AND COORDINATE EXACT SIZE AND LOCATION OF DUCT OPENINGS WITH ROCKY MOUNTAIN POWER.

1 THREE-PHASE TRANSFORMER PADVAULT (ROCKY MOUNTAIN POWER STANDARD)
SCALE: NTS

GENERAL SHEET NOTES

1. SCOPE

THIS MATERIAL SPECIFICATION OUTLINES THE MINIMUM REQUIREMENTS FOR PADVAULTS TO BE USED IN CONJUNCTION WITH PACIFICORP- OWNED THREE-PHASE TRANSFORMERS (SEE FIGURE 1). THE MATERIAL SPECIFICATION APPLIES WHETHER THE PADVAULT IS TO BE INSTALLED BY COMPANY PERSONNEL, CONTRACTOR, CUSTOMER, OR THE SUPPLIER.

2. APPLICABLE DOCUMENTS

THE LATEST REVISIONS OF THE DOCUMENTS, STANDARDS, CODES, AND REQUIREMENTS LISTED IN 2.1, PACIFICORP, AND 2.2, CODES AND STANDARDS, IN EFFECT ON THE DATE OF INVITATION TO BID APPLY TO THE EXTENT SPECIFIED HEREIN.

2.1 PACIFICORP

ZG 301 GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS

ZG 311 CONCRETE REQUIREMENTS

2.2 CODES AND STANDARDS

WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES

APPLICABLE CODES

ANSI STANDARDS

IEEE STANDARDS

NEMA STANDARDS

3. GENERAL

3.1 APPLICATION INFORMATION

THIS MATERIAL SPECIFICATION STATES MATERIAL AND CONSTRUCTION REQUIREMENTS THAT ARE APPLICABLE TO ALL THREE-PHASE TRANSFORMER PADVAULTS.

3.2 AUTHORIZED MATERIAL SPECIFICATION

THIS MATERIAL SPECIFICATION IS NOT CONSIDERED VALID UNTIL EACH PAGE CONTAINS THE APPROVAL SIGNATURE OR INITIALS OF THE PERSONS NAMED IN THE TITLE BLOCKS.

4. APPLICABLE STOCK ITEM NUMBERS

MATERIALS BEING SUBMITTED FOR THE FOLLOWING PACIFICORP STOCK ITEM NUMBERS ARE SUBJECT TO EVALUATION IN ACCORDANCE WITH REQUIREMENTS IN THIS MATERIAL SPECIFICATION.

7992600, PADVAULT, TRANSFORMER, 3-PHASE, 75-750 KVA

7992958, PADVAULT, TRANSFORMER, 3-PHASE, 1000-2500 KVA

5. PRODUCT AND INSTALLATION REQUIREMENTS

THE PURPOSE OF A THREE-PHASE TRANSFORMER PADVAULT IS TO SUPPORT A THREE-PHASE TRANSFORMER.

5.1 PADVAULT LAYOUT

THE THREE-PHASE TRANSFORMER PADVAULT IS COMPOSED OF TWO PIECES: (1) THE PAD, AND (2) THE ENCLOSURE. UNLESS OTHERWISE APPROVED BY PACIFICORP ENGINEERING, ALL DIMENSIONS AND PLACEMENT OF HARDWARE SHALL CONFORM TO THOSE SHOWN ON THIS SHEET. THE ENCLOSURE IS COMMON TO ALL PADVAULTS COVERED BY THIS MATERIAL SPECIFICATION, ZG 531, PADVAULT-THREE-PHASE SECTIONALIZING CABINET, AND ZG 551, PADVAULT-THREE-PHASE FUSING CABINET.

5.2 INSERTS

TWO .375" 16UNC STAINLESS STEEL OR NYLON THREADED INSERTS AND STAINLESS STEEL BOLTS WITH CLEATS FOR MOUNTING THE TRANSFORMER SHALL BE PLACED IN THE PAD AS SHOWN IN FIGURE 2.

5.3 PULLING ATTACHMENTS

CABLE PULLING ATTACHMENTS SHALL BE INSTALLED OPPOSITE OF EACH SET OF CONDUIT BREAKOUTS SUCH THAT BLOCKS MAY BE ATTACHED FOR A STRAIGHT CABLE PULL. PULLING ATTACHMENTS SHALL HAVE A MINIMUM PULLOUT STRENGTH OF 6000 POUNDS. ATTACHMENTS SHALL ALLOW THE ATTACHMENT OF A CLEVIS WITH A ONE-INCH DIAMETER THROUGH BOLT. PULLING ATTACHMENTS MAY BE DESIGNED BY THE MANUFACTURER TO MEET THESE REQUIREMENTS.

5.4 CONDUIT ENTRANCES

BANKS OF NINE (9) SIX-INCH SQUARE BREAKOUTS SHALL BE USED FOR CONDUIT ENTRANCES. TWO BANKS OF KNOCKOUTS SHALL BE PLACED IN EACH SIDE AND IN EACH END OF THE ENCLOSURE.

5.5 LIFTING ATTACHMENTS

ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE.
ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE.

5.6 INSTALLATION

THIS UNIT SHALL BE INSTALLED AT THE SITE BY THE SUPPLIER OR CONTRACTOR. ALL EARTH UNDER THE PADVAULT SHALL BE COMPACTED AND LEVEL PRIOR TO SETTING THE PADVAULT. PROVIDE 6" OF 3/4-INCH-MINUS GRAVEL BACKFILL BASE. THE JOINT BETWEEN THE PAD AND ENCLOSURE SHALL BE SEALED USING TAR OR MASTIC. THE TOP OF THE PAD SHOULD BE TWO TO FOUR INCHES ABOVE FINAL GRADE, WHEN INSTALLED.

6. TESTING

6.1 TEST COMPLIANCE

PADVAULTS SUBMITTED UNDER THIS MATERIAL SPECIFICATION SHALL MEET ALL TESTS AND REQUIREMENTS CONTAINED IN ZG 301, GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS, ZG 311, CONCRETE REQUIREMENTS, AND THIS MATERIAL SPECIFICATION. PADVAULTS WILL ALSO COMPLY WITH REQUIREMENTS IN APPLICABLE NATIONAL STANDARDS.

6.2 SECURITY TEST

TRANSFORMER PADVAULTS MUST BE ABLE TO PASS THE FOLLOWING SECURITY TEST. THE SECURITY TEST IS DESIGNED TO ENSURE THAT PADMOUNT EQUIPMENT, WHICH COMPLIES WITH WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES, IS NOT COMPROMISED BY UNEVEN PAD SETTING.

WITH THE APPROPRIATE TRANSFORMER MOUNTED, ATTEMPT TO PASS A #14 AWG SOFT-DRAWN COPPER WIRE THROUGH THE INTERFACE BETWEEN THE CABINET AND PAD. IF THE WIRE CAN BE PASSED THROUGH, THE PADVAULT HAS FAILED THE TEST AND IS NOT ACCEPTABLE.

7. PROVIDE AMCOR TYPE GV151 PADVAULT OR AS APPROVED OR DIRECTED BY ROCKY MOUNTAIN POWER.

8. REQUIREMENTS ARE SUBJECT TO CHANGE. SUBMIT PADVAULT TO ROCKY MOUNTAIN POWER FOR APPROVAL PRIOR TO THE PURCHASE AND INSTALLATION OF THE PADVAULT, AND INCLUDE ALL COSTS IN BID.

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL SITE DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

ES501

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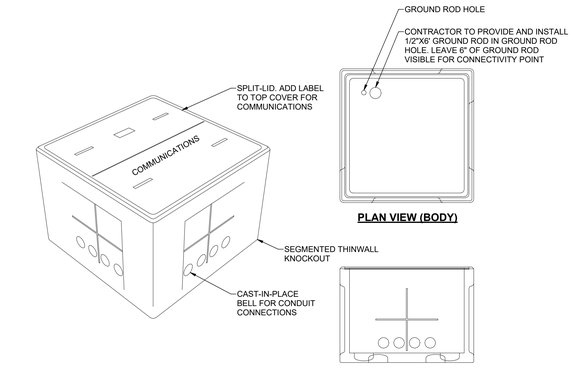
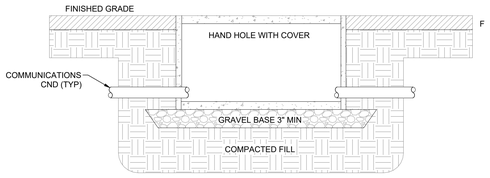


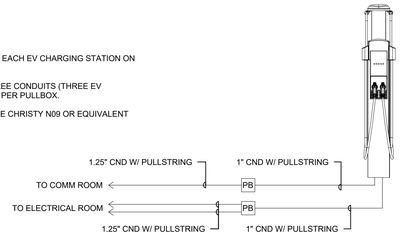


6 COMMUNICATIONS HANDHOLE DETAIL (4'-0"X4'-0"X3'-0")

SCALE: NTS

NOTES:

1. ADD CONDUITS FOR EACH EV CHARGING STATION ON PROJECT.
2. NO MORE THAN THREE CONDUITS (THREE EV CHARGING STATIONS) PER PULLBOX.
3. PROVIDE OLDCASTLE CHRISTY N09 OR EQUIVALENT FOR PULLBOXES.



5 TYPICAL EV CHARGING STATION CONDUIT RISER

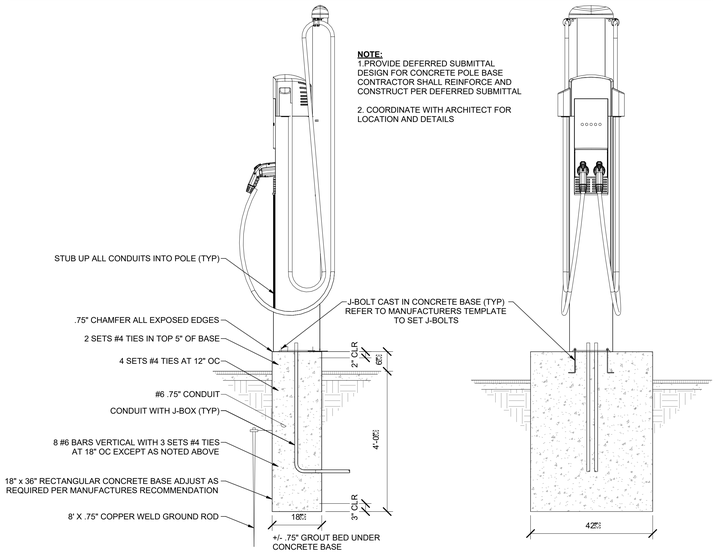
SCALE: NTS

ELECTRIC VEHICLE CHARGER SCHEDULE

GENERAL NOTES

1. PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION.
2. PROVIDE 1" DATA CONDUIT TO EV CHARGER AS SHOWN ON PLANS.
3. SEE DETAILS AND RISERS FOR ADDITIONAL INFORMATION.

LABEL	QTY	DESCRIPTION	LOAD DATA FLA	LOAD DATA V	LOAD DATA PH	WIRE AND CONDUIT SIZE	CKT (QTY)	OCPD	MANUFACTURER (CATALOG SERIES)	NOTES
EV2	3	DUAL PORT, LEVEL 2, POWER SHARE, PEDESTAL/BOLLARD MOUNT, 23' CABLE WITH 8' CABLE MANAGEMENT KIT	32	208	1	2 #6, #10 GR, 1.5" CND 1" DATA CND	1	40/2 CB	CHARGEPOINT (CT4021-POWER SHARE) PRIOR APPROVED EQUAL	



4 TYPICAL EV CHARGING STATION DETAIL

SCALE: NTS

PULLBOX SCHEDULE

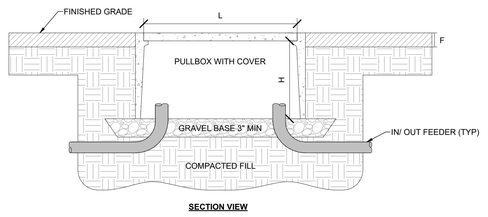
1 PROVIDE BASIS OF DESIGN OR PRE-APPROVED EQUAL.

2 CONTRACTOR SHALL ADJUST SIZE OF BOX AS REQUIRED FOR INSTALLATION.

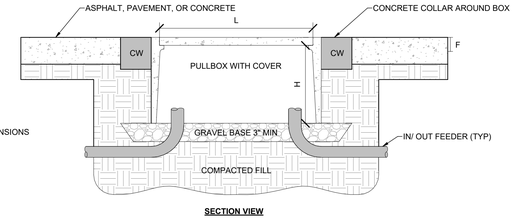
3 PULLBOXES SHALL BE MARKED FOR THEIR INTENDED USE.

4 IF NOT DIRECTLY CONNECTED TO PANEL, STUB INTO ELECTRICAL OR COMM ROOM AND LABEL INDICATING BOX AND BOX LOCATION.

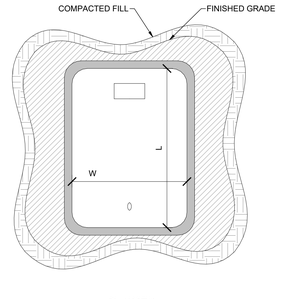
Name	COVER LABEL	HEIGHT	WIDTH	LENGTH	ABOVE GRADE HEIGHT	BASIS OF DESIGN
HH-1	TELECOM	36"	48"	48"	0' - 0"	TBD
PB2	ELECTRICAL	12"	13"	18"	0' - 0"	OLDCASTLE CHRISTY N09
PB3	ELECTRICAL	12"	13"	18"	0' - 0"	OLDCASTLE CHRISTY N09
PB4	ELECTRICAL	12"	13"	18"	0' - 0"	OLDCASTLE CHRISTY N09

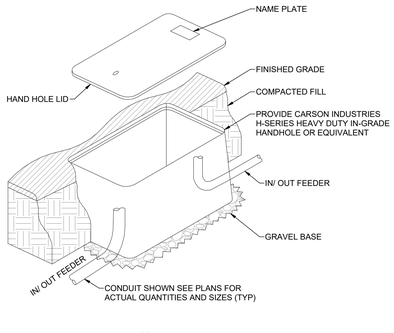


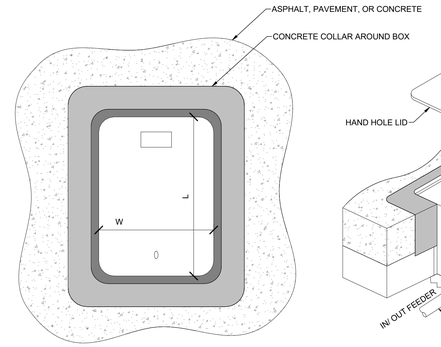
NOTE: REFER TO SCHEDULE FOR DIMENSIONS

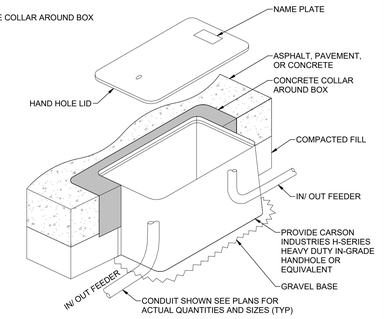


NOTE: REFER TO SCHEDULE FOR DIMENSIONS



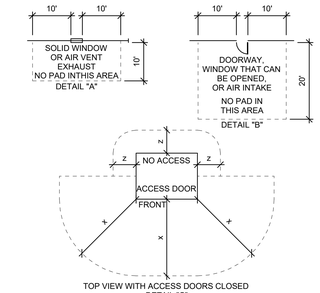






2 IN-GRADE/ABOVE GRADE PULLBOX DETAIL

SCALE: NTS



CLEARANCE GENERAL NOTES:

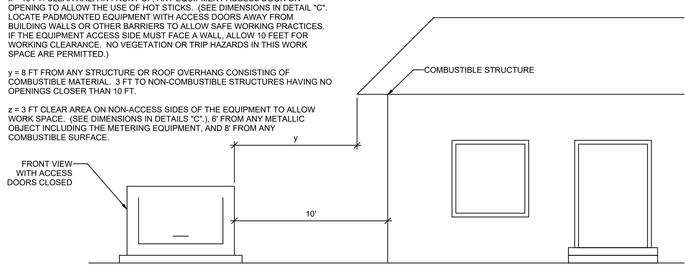
1. CLEARANCES: THE FRONT OF THE PAD SHOULD ALWAYS FACE AWAY FROM ADJACENT STRUCTURES AND BE FREE OF OBSTRUCTIONS. AT LEAST 3 FEET MUST SEPARATE THE EDGES OF THE PAD FROM ANY ADJACENT STRUCTURE. THE EDGES OF THE PAD MUST BE AT LEAST 10 FEET FROM ANY COMBUSTIBLE STRUCTURE. IF AN ADJACENT STRUCTURE HAS ANY OVERHANG OR EAVE WITHIN 27 VERTICAL FEET OF THE TOP OF THE PAD, CLEARANCES MUST BE MEASURED FROM THE OUTSIDE OF THE OVERHANG. THE PAD MUST NOT BE PLACED IN AN AREA 10 FEET IN LINE WITH OR 10 FEET TO EITHER SIDE OF ANY WINDOW IN AN ADJACENT STRUCTURE (SEE DETAIL "A"). CLEARANCE FOR A DOOR MUST BE 20 FEET IN LINE WITH IT AND 10 FEET ON THE SIDES (SEE DETAIL "B"). PADS MUST NOT BE PLACED WITHIN 15 FEET OF ANY VALVE OR WITHIN 25 FEET OF ANY PLUMBING OR STORAGE FACILITY CONTAINING FLAMMABLE MATERIAL. NO WALLS, FENCES, OR ANY OTHER OBSTRUCTIONS WILL BE PLACED WITHIN 3 FEET OF THE SIDES OR BACK OF THE PAD, OR WITHIN 10 FEET OF THE FRONT OF THE PAD (SEE DETAIL "C"). THE AREA IN FRONT OF THE PAD MUST HAVE 10 FEET OF CLEAR, LEVEL WORKING AREA FOR MAINTENANCE OF THE TRANSFORMER. THE PAD MAY NOT BE PLACED IN LINE WITH AN AIR INTAKE WITHIN 32 VERTICAL FEET OF THE SURFACE PAD. ALSO VERTICALLY, IT MUST NOT BE PLACED WITHIN 12 FEET OF A DOOR OR WINDOW. VAULTS SHALL BE LOCATED WITHIN 15 FEET OF A GRAVELED OR PAVED SURFACE SUITABLE FOR INCIDENTAL HEAVY TRUCK ACCESS.
2. BARRIERS: IF THE TRANSFORMER PAD IS TO BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC, (PARKING LOTS, DRIVEWAYS, ETC) CONTACT ROCKY MOUNTAIN POWER FOR PROTECTIVE BARRIER REQUIREMENTS.
3. IF THE TRANSFORMER WILL NOT COVER THE CABLE OPENINGS ON THESE STANDARD PADS, SEAL THE SIDES OF THE CABLE OPENING TO FIT THE TRANSFORMER USING SACKRETE OR COMPARABLE.

MINIMUM DISTANCE REQUIRED FROM PAD:

x = 10 FT. CLEAR AREA IN FRONT OF, ANY EQUIPMENT ACCESS DOOR OR OPENING TO ALLOW THE USE OF HOT STICKS. (SEE DIMENSIONS IN DETAIL "C". LOCATE PADMOUNTED EQUIPMENT WITH ACCESS DOORS AWAY FROM BUILDING WALLS OR OTHER BARRIERS TO ALLOW SAFE WORKING PRACTICES. IF THE EQUIPMENT ACCESS SIDE MUST FACE A WALL, ALLOW 10 FEET FOR WORKING CLEARANCE. NO VEGETATION OR TRIP HAZARDS IN THIS WORK SPACE ARE PERMITTED.)

y = 8 FT FROM ANY STRUCTURE OR ROOF OVERHANG CONSISTING OF COMBUSTIBLE MATERIAL. 3 FT TO NON-COMBUSTIBLE STRUCTURES HAVING NO OPENINGS CLOSER THAN 10 FT.

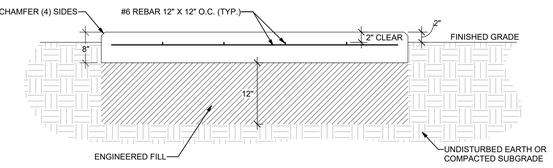
z = 3 FT CLEAR AREA ON NON-ACCESS SIDES OF THE EQUIPMENT TO ALLOW WORK SPACE. (SEE DIMENSIONS IN DETAILS "C".), 6' FROM ANY METALLIC OBJECT INCLUDING THE METERING EQUIPMENT, AND 8' FROM ANY COMBUSTIBLE SURFACE.

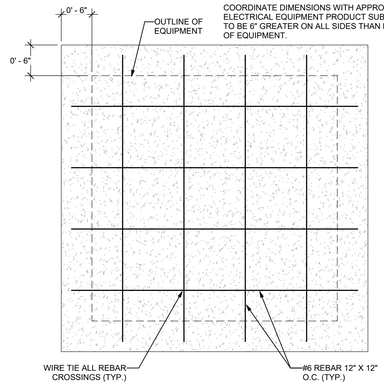


3 TRANSFORMER CLEARANCE DETAIL

SCALE: NTS

NOTE:
1. PROVIDE UFER GROUND FOR EQUIPMENT PADS.
2. PADS SHALL BE PROVIDED FOR EXTERIOR EQUIPMENT ONLY. INTERIOR EQUIPMENT WILL BE PLACED ON HOUSEKEEPING PADS (SEE DETAIL).





1 EXTERIOR ELECTRICAL EQUIPMENT PAD

SCALE: NTS

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ARCHITECT / CONSULTANT



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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL SITE DETAILS

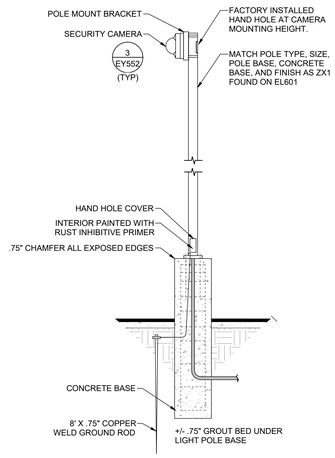
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

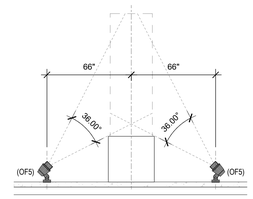
SHEET NUMBER:

ES502



10 SECURITY CAMERA POLE BASE DETAIL

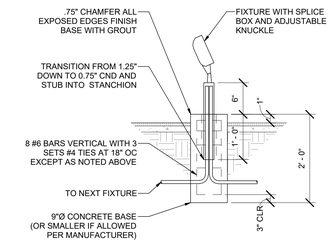
SCALE: NTS



9 SCULPTURE LIGHTING DETAIL

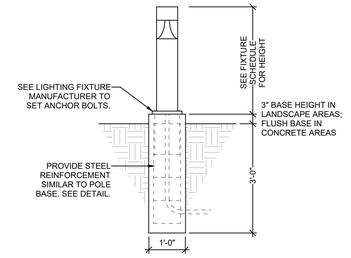
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



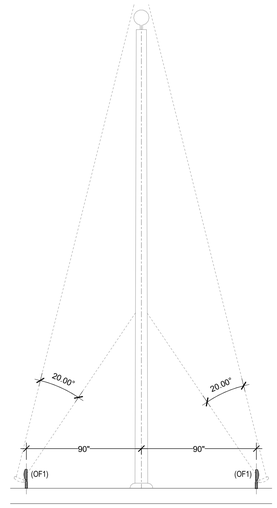
5 FLAGPOLE LIGHTING BASE DETAIL

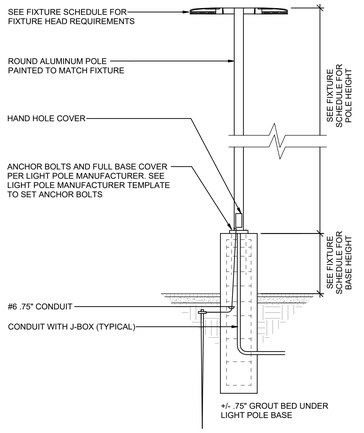
SCALE: NTS

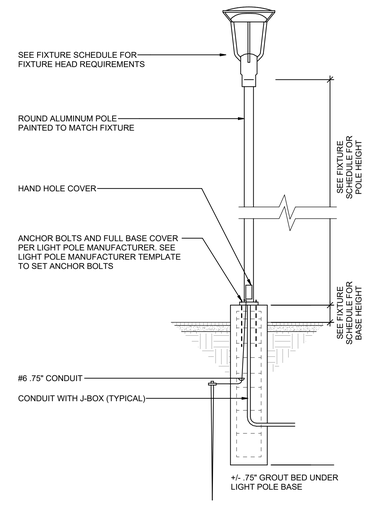


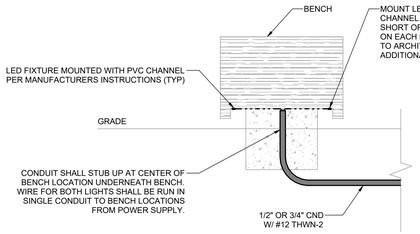
3 BOLLARD MOUNTING DETAIL

SCALE: NTS





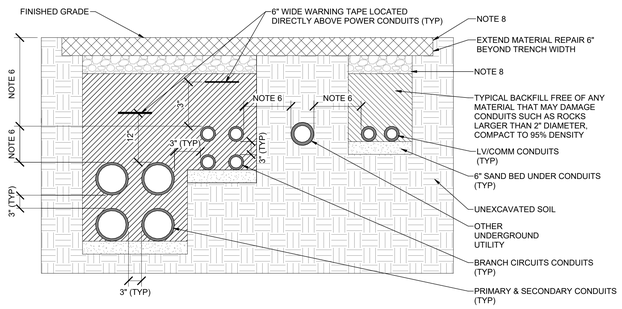




NOTE:
CONTRACTOR TO SUPPLY ALL POWER SUPPLIES AND DRIVERS FOR COMPLETE INSTALLATION. INSTALL REMOTE MOUNTED DRIVERS FOR EACH LENGTH OF LIGHT INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.

8 TYPICAL BENCH LIGHT DETAIL

SCALE: NTS



NOTES:

1. INSTALL CONDUITS PER LOCAL UTILITY REQUIREMENTS AND NEC.
2. ALL BENDS SHALL BE LARGE RADIUS.
3. PROVIDE WIDE SWEEP FIBERGLASS ELBOWS FOR UTILITY POWER CONDUITS.
4. ALL ABOVEGROUND CONDUIT IN AREAS WHERE DAMAGE MAY OCCUR, ALL STUBUPS AND THE FIRST 10' UNDERGROUND SHALL BE PVC WRAPPED RMC. ALL OTHER UNDERGROUND CONDUIT SHALL BE PVC SCH 40.
5. PROVIDE 2500-LB POLYPROPYLENE PULL ROPE WITH MEASUREMENT MARKS IN EMPTY CONDUITS.
6. TYPICAL DEPTHS UNLESS NOTED OTHERWISE: PRIMARY AND SECONDARY POWER = 36" MIN DEPTH; BRANCH CIRCUITS & LV/COMM = 24" MIN DEPTH.
7. MAINTAIN UTILITY SEPARATION AS SHOWN BELOW UNLESS NOTED OTHERWISE. FOR ALL OTHER UTILITIES NOT SHOWN, MAINTAIN A MINIMUM 18" CLEARANCE. UTILIZE VERTICAL MEASUREMENT WHEN CROSSING UTILITIES.
8. REPAIR EXISTING ASPHALT OR SURFACE REFER TO CIVIL SPECIFICATIONS, WHERE SPECIFICATIONS DO NOT DEFINE CONTRACTOR SHALL REPAIR TO MATCH EXISTING CONDITIONS OR REQUIREMENTS BELOW, WHICHEVER IS GREATER.

CONCRETE REPAIR
- 5" CEMENT CONCRETE
- 6" UNTREATED BASE COURSE COMPACT TO 95% MODIFIED PROCTOR
- 6" PIT RUN GRAVE COMPACT TO 95% MODIFIED PROCTOR
-12" AGGREGATE BASE COURSE UNDER ROADS, COMPACT TO 95% MODIFIED PROCTOR

ASPHALT REPAIR
- 3" STANDARD ASPHALT
- 4" UNTREATED BASE COURSE COMPACT TO 95% MODIFIED PROCTOR
- 6" PIT RUN GRAVE COMPACT TO 95% MODIFIED PROCTOR

TURF/ PLANTER/ LANDSCAPE REPAIR
- TURF/PLANTER/LANDSCAPE
- 12" TOPSOIL

SANITARY SEWER & NON-WATER
-60" HORIZONTALLY
-18" VERTICALLY
WATER
-36" HORIZONTALLY
-18" VERTICALLY
STORM DRAIN
-60" HORIZONTALLY
-18" VERTICALLY

LOW PRESSURE GAS LINE
-36" HORIZONTALLY
-18" VERTICALLY
HIGH PRESSURE GAS LINE
-0-600V - 24" VERTICALLY
-600V - 30" VERTICALLY
-600V - 22,000V - 30" VERTICALLY
-22,001V - 40,000V - 36" VERTICALLY

TELECOM & LOW VOLTAGE
-12" HORIZONTALLY
-12" VERTICALLY

7 TYP POWER AND TELECOM CONDUIT DIRECT BURY DETAIL

SCALE: NTS

6 FLAG POLE LIGHTING DETAIL

SCALE: 1/4" = 1'-0"

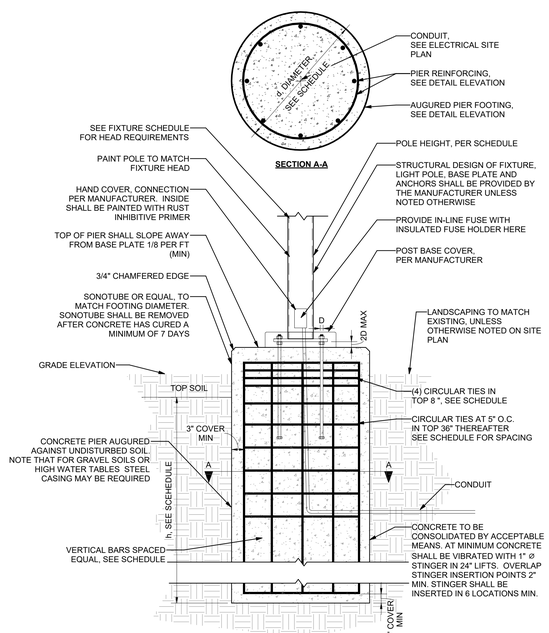
0 2' 4' 8'

4 PARKING LOT LIGHT POLE BASE DETAIL

SCALE: NTS

2 WALKWAY LIGHT POLE BASE DETAIL

SCALE: NTS



1 TYPICAL LIGHT POLE FOOTING SCHEDULE

SCALE: NTS

LIGHT POLE PIER FOOTING SCHEDULE[1]

LEGEND
X[2] — SUPERSCRIPT, SEE CORRESPONDING NOTE

WIND SPEED (mph)	MAX EPA (FT^2)	LIGHT POLE HEIGHT (ft)	LIGHT POLE DIA (in) max	FOOTING DIAMETER ,d (in)	h=MIN FOUNDATION[2] EMBED. (ft)	VERTICAL REINF. BAR SIZE	VERTICAL BAR QUANTITY	CIRC TIE BAR SIZE	CIRC. TIE SPACING (in)
120	2	30	8	24	7'-6"	#5	8	#4	12" O.C.
120	2	25	8	24	6'-6"	#5	8	#4	12" O.C.
120	2	20	8	24	6'-0	#5	8	#4	12" O.C.
120	2	15	8	24	5'-0"	#5	8	#4	12" O.C.
120	2	10	8	24	4'-6"	#5	8	#4	12" O.C.
120	2	30[3]	8	18	-	-	-	-	-
120	2	25[3]	8	18	-	-	-	-	-
120	2	20	8	18	6'-0"	#5	5	#4	12" O.C.
120	2	15	8	18	5'-0"	#5	5	#4	12" O.C.
120	2	10	8	18	4'-6"	#5	5	#4	12" O.C.
120	2	30[3]	6	16	-	-	-	-	-
120	2	25[3]	6	16	-	-	-	-	-
120	2	20	6	16	6'-6"	#5	4	#4	12" O.C.
120	2	15	6	16	5'-6"	#5	4	#4	12" O.C.
120	2	10	6	16	4'-6"	#5	4	#4	12" O.C.

NOTE:

1. CONTRACTOR SHALL SUBMIT DEFERRED SUBMITTAL FOR LIGHT POST FOOTING TO ENGINEER OF RECORD. SCHEDULE ABOVE IS FOR BIDDING PURPOSES ONLY.
2. SCHEDULE ABOVE ASSUMES CLAY OR SILT SOIL CONDITIONS WITH SEISMIC CLASS D AND DEFAULT SOIL PARAMETERS FROM IBC SECTION 1806.2
3. EXCEEDS THE MAXIMUM BEARING CAPACITY OF 1500 PSF. VERIFY ALLOWABLE SOIL BEARING WITH SOILS REPORT.
4. TOP SOIL SHALL NOT BE USED TO RESIST LATERAL LOAD IN FOOTING. THE EMBED DEPTH IN THE TABLE SHALL BE BEGIN BELOW THE BASE OF THE TOP SOIL AS SHOWN IN THE ELEVATION.
5. SECTION VIEW IS FOR VISUAL REPRESENTATION ONLY. VERIFY BAR QUANTITY WITH SCHEDULE60,000 PSI REBAR YIELD STRENGTH
6. CONCRETE MIX SHALL BE FOR EXTERIOR CONCRETE SUBJECT TO FREEZE THAW CONATIONS WITH THE MINIMUM PROPERTIES.
   A. 3000 PSI
   B. TYPE II PORTLAND CEMENT
   C. WATER TO CEMENT RATIO = 0.5%
   D. AIR ENTRAINMENT = 5%
   E. MAX AGGREGATE SIZE= 1"
   F. CONCRETE EXPOSURE CLASS= F2, S0, C1
   G. 4" SLUMP BEFORE ADDITION OF PLASTICIZER

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ARCHITECT / CONSULTANT

LICENSED PROFESSIONAL ENGINEER
No. 10221159-2202
Matthew John Hardyman
STATE OF UTAH
05/26/2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL SITE DETAILS

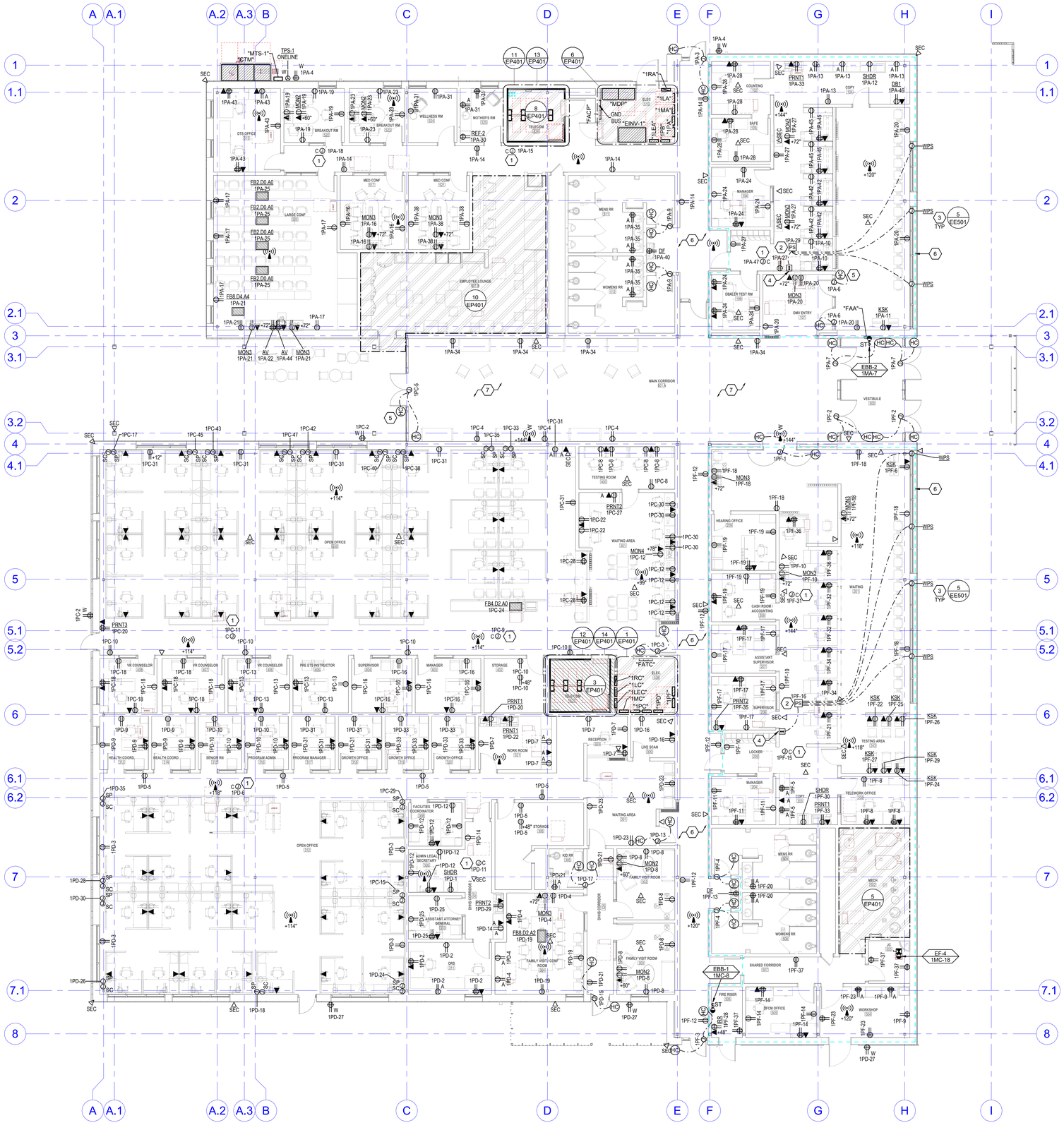
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

ES503



GENERAL SHEET NOTES

1. LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
2. LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT WITH CLEARANCES PER NEC.
3. ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE CONSTRUCTION.
5. ALL ELECTRICAL PENETRATIONS THROUGH CMU, FOUNDATION, CONCRETE OR STRUCTURAL WALLS SHOULD BE CHECKED FOR REBAR AND ALL PENETRATIONS SHALL AVOID CUTTING THROUGH REBAR.
6. ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2020 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
7. ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
8. SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER.
9. CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.
10. PROVIDE DEDICATED NEUTRAL FOR ALL BRANCH CIRCUITS.
11. SOME CONDUIT INSTALLATIONS MAY NEED TO BE routed UNDERGROUND PRIOR TO SLAB ON GRADE. CONTRACTOR SHALL REVIEW THE DRAWINGS FULLY PRIOR TO ANY WORK BEING PERFORMED.
12. TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.
13. COORDINATE EXACT LOCATIONS OF FLOORBOXES AND POKE THROUGH DEVICES WITH ARCHITECT. FURNITURE SUBMITTALS AND BUILDING STRUCTURAL ELEMENTS PRIOR TO INSTALLATION AND ROUGH-IN.

SHEET KEYNOTES

1. PROVIDE 120V POWER FOR HVAC CONTROLS MOUNTED ABOVE ACCESSIBLE CEILING OR LOCATION. COORDINATE EXACT LOCATIONS OF ELECTRICAL CONNECTIONS WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
2. MOTORIZED SHADE POWER SUPPLY/CONTROLLER MOUNTED ABOVE ACCESSIBLE CEILING. QUANTITY AS REQUIRED. SEE DETAILS.
3. JUNCTION BOX FOR POWER CONNECTION TO MOTORIZED SHADES. COORDINATE EXACT LOCATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
4. MANUAL UP/DOWN SWITCH FOR SHADE CONTROL. CONTRACTOR TO PROVIDE 3/4" CONDUIT AND WIRING PER MANUFACTURER'S INSTRUCTIONS.
5. PROVIDE MULLION MOUNTED ADA OPERATORS FOR GLAZING AND CURTAIN WALLS NEAREST DOOR.
6. ALL POWER CONDUIT REQUIRED TO BE ROUTED UNDER SLAB OR ABOVE THE ACCESSIBLE CEILING IN THIS AREA.
7. CONDUIT ROUTING IN THIS AREA IS REQUIRED TO PENETRATE THE MAIN CORRIDOR WALLS AS SHOWN IN EP201 FOR ALL CONDUIT ROUTING FOR EACH HALF OF THE BUILDING AND PENETRATE THROUGH THE WALLS TO RUN CONDUIT EAST AND WEST ONCE INSIDE OF THE OPEN CORRIDOR SPACE. CONDUIT SHALL RUN UP HIGH IN THE WEBBING OF THE DECK MATERIAL AND THEN DOWN TO EACH FIXTURE/DEVICE AT EACH LOCATION.

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 POWER PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EP101

1 LEVEL 1 POWER PLAN
SCALE: 1/8" = 1'-0"

NORTH

0 4' 8' 16'

5/21/2026 3:54:15 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/250340-Elec Central_NEW.rvt

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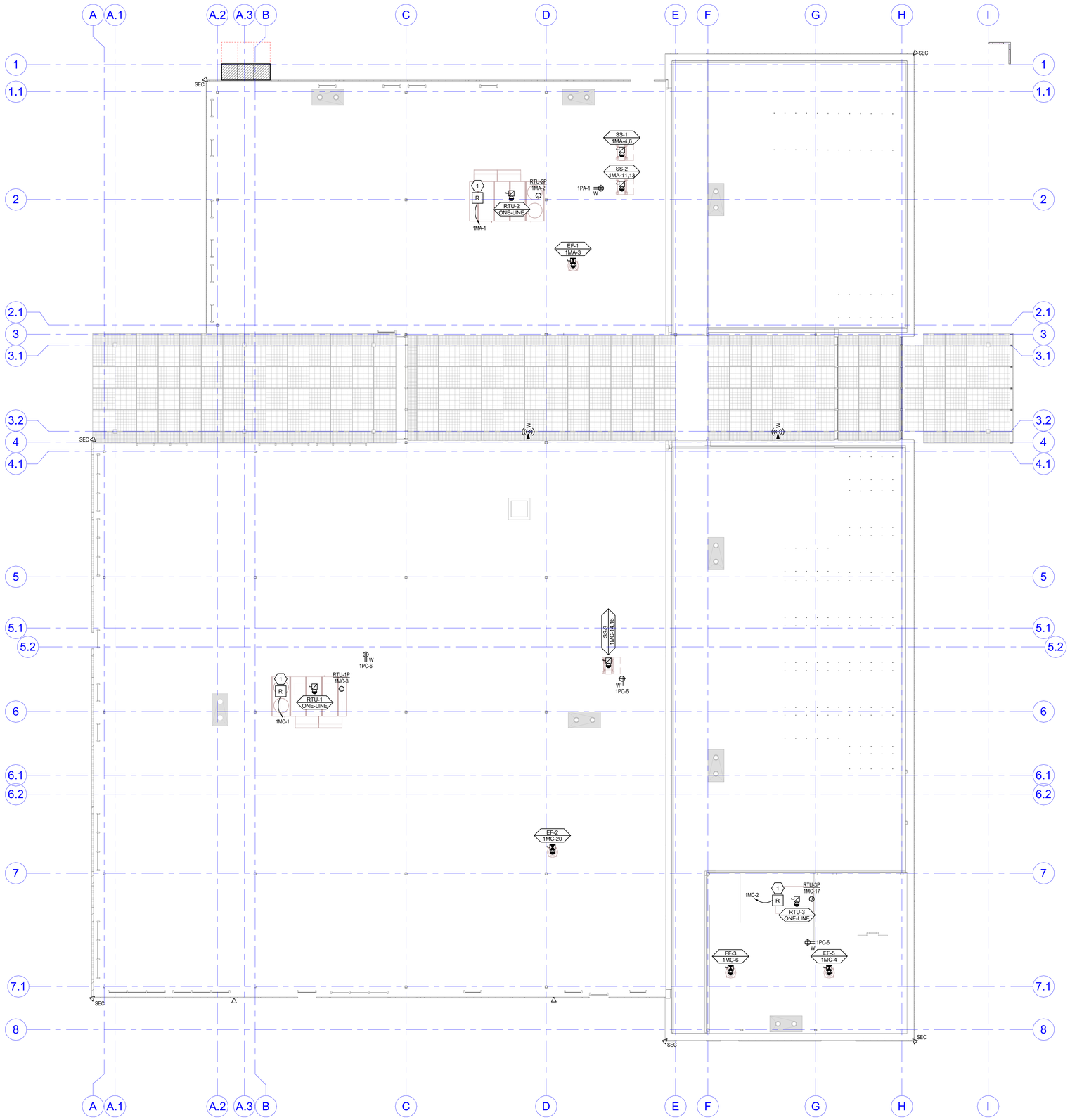
MISAPPROPRIATION IN VIOLATION OF 17-22-2.51-1 ET. SEQ. AND OTHER LAWS.



1 ROOF POWER PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

NORTH

GENERAL SHEET NOTES

1 LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.

2 LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT WITH CLEARANCES PER NEC.

3 ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.

4 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE CONSTRUCTION.

5 ALL ELECTRICAL PENETRATIONS THROUGH CMU, FOUNDATION, CONCRETE OR STRUCTURAL WALLS SHOULD BE CHECKED FOR REBAR AND ALL PENETRATIONS SHALL AVOID CUTTING THROUGH REBAR.

6 ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2020 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

7 ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.

8 SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER.

9 CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.

10 PROVIDE DEDICATED NEUTRAL FOR ALL BRANCH CIRCUITS.

11 SOME CONDUIT INSTALLATIONS MAY NEED TO BE ROUTED UNDERGROUND PRIOR TO SLAB ON GRADE. CONTRACTOR SHALL REVIEW THE DRAWINGS FULLY PRIOR TO ANY WORK BEING PERFORMED.

12 TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.

13 COORDINATE EXACT LOCATIONS OF FLOORBOXES AND POKE THROUGH DEVICES WITH ARCHITECT, FURNITURE SUBMITTALS AND BUILDING STRUCTURAL ELEMENTS PRIOR TO INSTALLATION AND ROUGH-IN.

SHEET KEYNOTES

1 RELAY FOR FAN SHUT-DOWN.

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05/26/2026

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ROOF POWER PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EP102

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1 LEVEL 1 ELECTRICAL RACEWAY PLAN

SCALE: 1/8" = 1'-0"

NORTH

0 8' 16' 32'

SHEET KEYNOTES

1 CONTRACTOR TO PROVIDE POWDER-COAT ON ALL EXPOSED CABLE TRAY. COORDINATE EXACT COLOR WITH ARCHITECT PRIOR TO POWDER-COAT APPLICATION

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 ELECTRICAL REFLECTED CEILING PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

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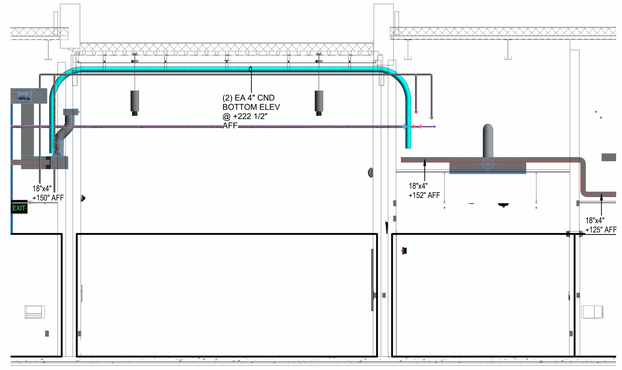
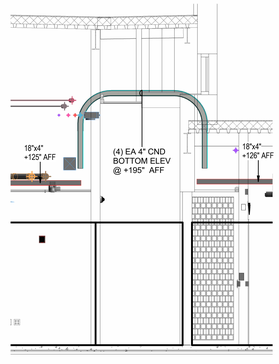
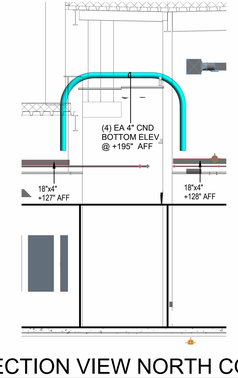


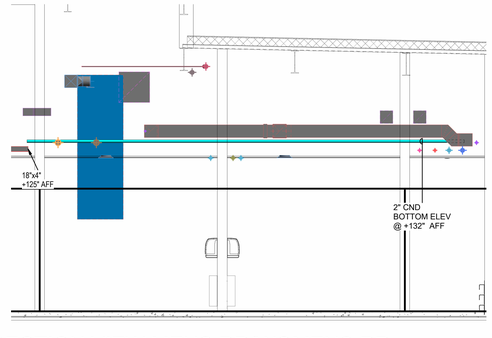
3 TELECOM SECTION VIEW MAIN CORRIDOR
SCALE: 1/4" = 1'-0"



2 TELECOM SECTION VIEW WAITING AREA 301 SOUTH CORRIDOR
SCALE: 1/4" = 1'-0"



4 TELECOM SECTION VIEW NORTH CORRIDOR
SCALE: 1/4" = 1'-0"



1 TELECOM SECTION VIEW MENS RR/WOMENS RR
SCALE: 1/4" = 1'-0"

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05/26/2026
Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TELECOM SECTION VIEWS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**Author**
CHECKED BY:	**Checker**
PROJECT#:	**2023-41**

SHEET NUMBER:

EP301

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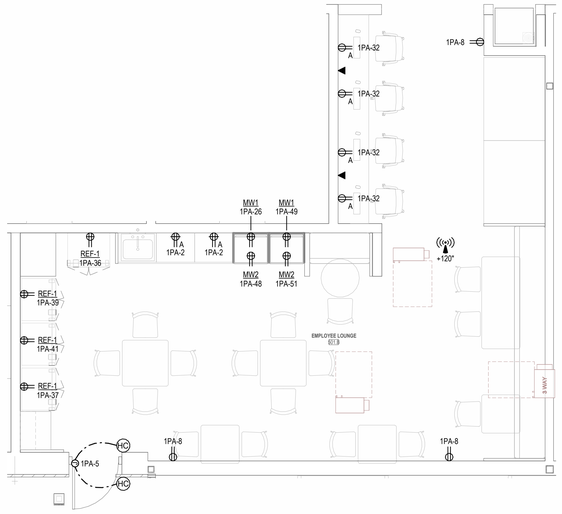
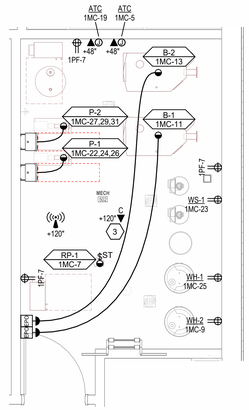


10 ENLARGED EMPLOYEE LOUNGE POWER PLAN
SCALE: 1/4" = 1'-0"



5 ENLARGED MECH ROOM POWER PLAN
SCALE: 1/4" = 1'-0"

NORTH

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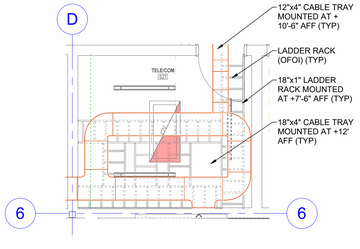
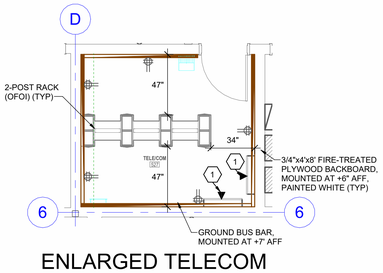
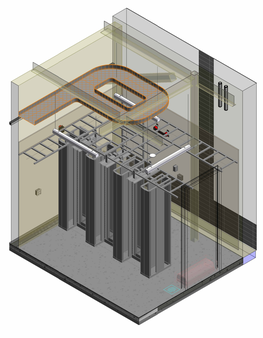


14 ENLARGED TELECOM LADDER RACK PLAN TELE/COM 527
SCALE: 1/4" = 1'-0"

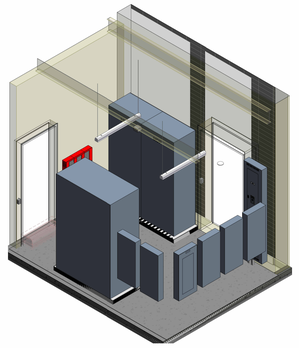


12 ENLARGED TELECOM EQUIPMENT RACK PLAN TELE/COM 527
SCALE: 1/4" = 1'-0"

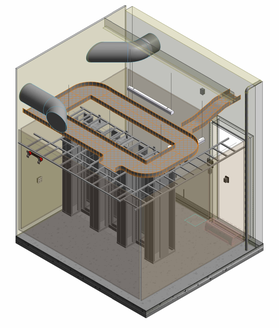
NORTH



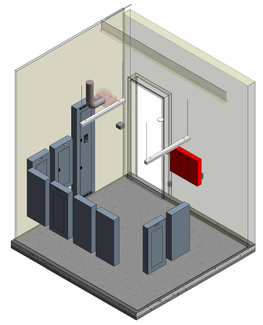
9 ENLARGED TELECOM 526 POWER ISOMETRIC
SCALE: NTS



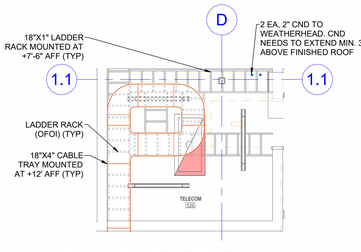
7 ENLARGED ELEC 510 POWER ISOMETRIC
SCALE: NTS



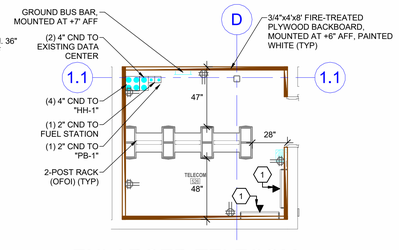
4 ENLARGED TELE/COMM 527 POWER PLAN
SCALE: NTS



2 ENLARGED ELEC 528 POWER ISOMETRIC
SCALE: NTS

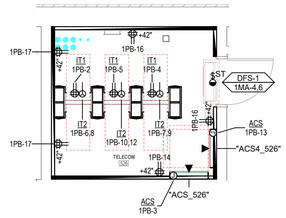


13 ENLARGED TELECOM LADDER RACK PLAN TELECOM 526
SCALE: 1/4" = 1'-0"

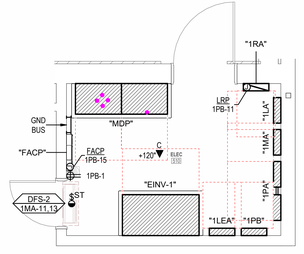


11 ENLARGED TELECOM EQUIPMENT RACK PLAN TELECOM 526
SCALE: 1/4" = 1'-0"

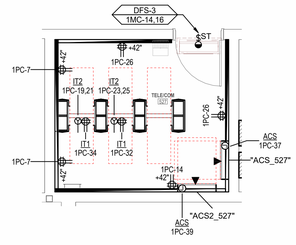
NORTH



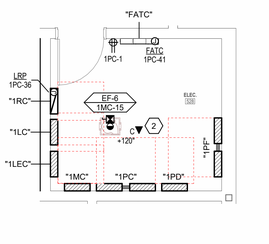
8 ENLARGED TELECOM 526 POWER PLAN
SCALE: 1/4" = 1'-0"



6 ENLARGED ELEC 510 POWER PLAN
SCALE: 1/4" = 1'-0"



3 ENLARGED TELE/COMM 527 POWER PLAN
SCALE: 1/4" = 1'-0"



1 ENLARGED ELEC 528 POWER PLAN
SCALE: 1/4" = 1'-0"

NORTH

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6 ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2020 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

7 ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.

8 SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER.

9 CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.

10 PROVIDE DEDICATED NEUTRAL FOR ALL BRANCH CIRCUITS.

11 SOME CONDUIT INSTALLATIONS MAY NEED TO BE ROUTED UNDERGROUND PRIOR TO SLAB ON GRADE. CONTRACTOR SHALL REVIEW THE DRAWINGS FULLY PRIOR TO ANY WORK BEING PERFORMED.

12 TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.

13 COORDINATE EXACT LOCATIONS OF FLOORBOXES AND POKE THROUGH DEVICES WITH ARCHITECT. FURNITURE SUBMITTALS AND BUILDING STRUCTURAL ELEMENTS PRIOR TO INSTALLATION AND ROUGH-IN.

SHEET KEYNOTES

1 DATA DROP FOR SECURITY TYPICAL, PROVIDE DEDICATED 1" CONDUIT INTO ACS PANEL FOR NETWORK CONNECTION.

2 COORDINATE FINAL TERMINATION LOCATION OF NETWORK CONNECTION WITH ELECTRICAL INSTALLER PRIOR TO ROUGH IN.

3 COORDINATE FINAL TERMINATION LOCATION OF NETWORK CONNECTION WITH MECHANICAL INSTALLER PRIOR TO ROUGH IN.

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ENLARGED POWER PLANS

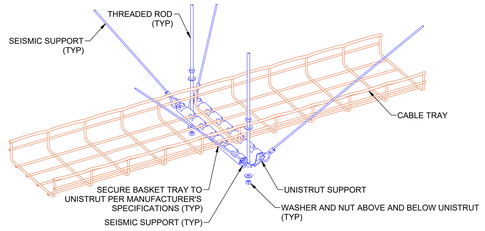
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

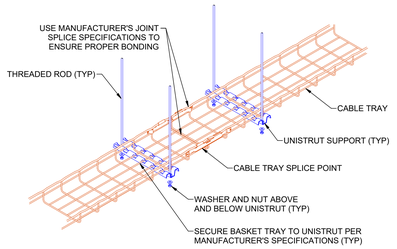
EP401



ISOMETRIC VIEW

NOTE:
1. SEISMIC ENGINEERING TO BE DONE BY OTHERS.

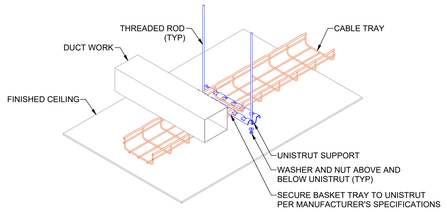
8 TYPICAL CABLE TRAY W/ SEISMIC SUPPORTS DETAIL
SCALE: NTS



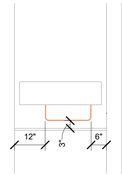
ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM EITHER SIDE OF CABLE TRAY SPLICE POINT.

4 TYPICAL CABLE TRAY W/ SUPPORT AT SPLICE POINT DETAIL
SCALE: NTS



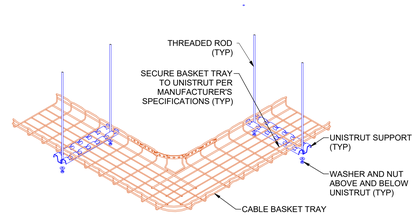
ISOMETRIC VIEW



SIDE VIEW

NOTE:
1. MAXIMUM WIDTH OF PERPENDICULAR CROSSING IS 6 FEET WIDE.

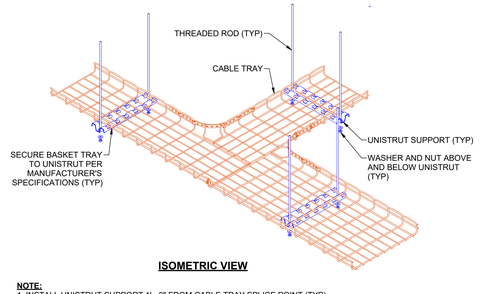
7 TYPICAL CABLE TRAY W/ PERPENDICULAR CROSSING DETAIL
SCALE: NTS



ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM CABLE BASKET TRAY SPLICE POINT (TYP).

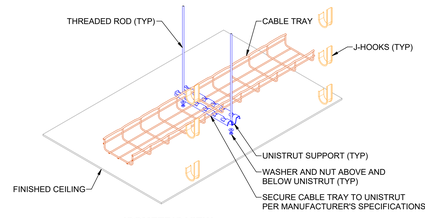
3 TYPICAL CABLE TRAY 90 DEGREE BEND W/ SUPPORTS DETAIL
SCALE: NTS



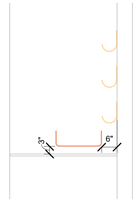
ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM CABLE TRAY SPLICE POINT (TYP).

6 TYPICAL CABLE TRAY INTERSECTION W/ SUPPORTS DETAIL
SCALE: NTS



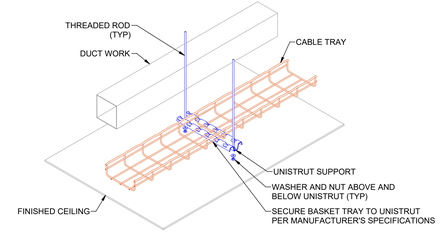
ISOMETRIC VIEW



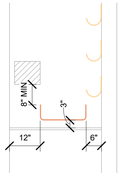
SIDE VIEW

2 TYPICAL CABLE TRAY W/ J-HOOK ABOVE DETAIL
SCALE: NTS

9 TYPICAL RACK POWER MOUNTING DETAIL
SCALE: NTS

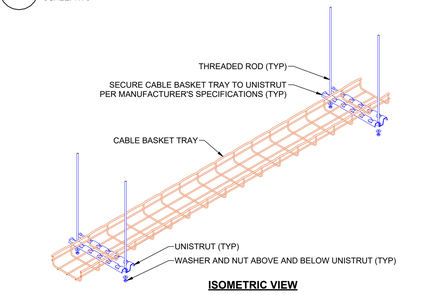


ISOMETRIC VIEW



SIDE VIEW

5 TYPICAL CABLE TRAY W/ PARALLEL OBSTRUCTION DETAIL
SCALE: NTS



ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM EITHER END OF CABLE BASKET TRAY ON EACH 10' - 0" SECTION.

1 TYPICAL 10'-0" CABLE TRAY SECTION W/ SUPPORT DETAIL
SCALE: NTS

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TELECOM CABLE TRAY DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

EP553

GENERAL SHEET NOTES

1 GROUNDING DETAIL SHOWN IS FOR DIAGRAMMATIC PURPOSES ONLY. ALL WIRE SIZES SHOWN IN COMMUNICATIONS ROOMS ARE TO BE USED. ANY WIRE SIZING TO GROUNDING BUS BAR AND BUILDING GROUND ARE SHOWN IN THE DIV. 26 SPECIFICATIONS.

2 ALL LOW VOLTAGE COMMUNICATIONS CONDUIT IN COMMUNICATIONS ROOM SHALL BE GROUNDED TO TELECOMMUNICATIONS GROUNDING BUS BAR.

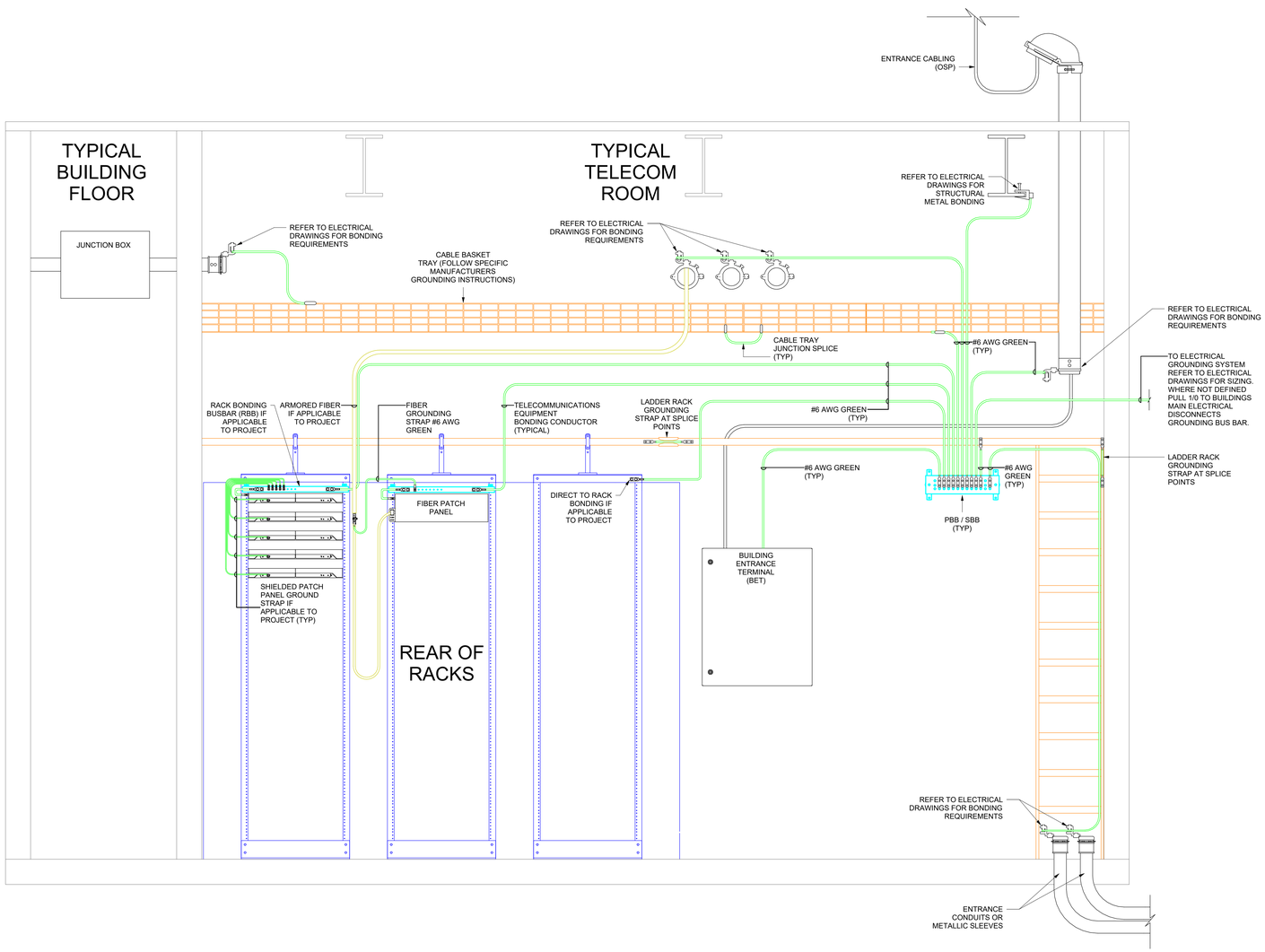
3 "TMGB" SHOULD BE 1/4"x4"x24".

4 "TGB" SHOULD BE 1/4"x2"x24".

5 EMT CONDUIT GROUNDING CLAMP SHOULD BE ELECTROLYTIC CAST BRONZE (PANDUIT PART NUMBER GPL-"X"-"X", OR EQUAL).

6 RIGID CONDUIT GROUND CLAMP SHOULD BE PART NUMBER O-Z/GEDNEY BLG-XXXX, OR HBLG-XXXX, OR EQUAL.

7 GROUNDING LUGS SHOULD BE TWO-HOLE LONG BARREL LUGS (PANDUIT PART NUMBER LCC6, OR EQUAL).



1 TELECOM EQUIPMENT GROUNDING DETAIL
SCALE: 1" = 1'-0"

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05/26/2026
Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TELECOM EQUIPMENT RACK GROUNDING DETAIL

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

EP554

SERVICE LOAD CALCULATIONS	
208Y/120 V SERVICE CALCULATION	
NEW CONSTRUCTION AREA FT²	24,277
ELECTRICAL SERVICE VOLTAGE (V)	208
ELECTRICAL SERVICE PHASE (PH)	3

						NEC DEMAND			
DESCRIPTION:	KW	VA/FT²	HP	QTY	KVA	FACTOR	LOAD (KVA)	LOAD (A)	NOTES
A. LIGHTING LOAD		1.3			31.6	125%	39	110	1
B. RECEPTACLE LOAD FIRST 10 KVA		0			10.0	100%	10	28	2
C. RECEPTACLE LOAD REMAINING >10 KVA		1			14.3	50%	7	20	2
D. MOTOR LOAD		0.5			12.1	100%	*12*	*34*	3
E. HVAC LOAD		7			169.9	100%	*170*	*472*	3
F. KITCHEN EQUIPMENT LOAD		0.5			12.1	100%	*12*	*34*	
G. SPECIFIC APPLIANCES OR LOADS		1			24.3	100%	*24*	*67*	
H. MISCELLANEOUS LOAD		1.5			36.4	100%	*36*	*101*	
I. EVSE (EV CHARGER)	7.2			4	28.8	100%	*29*	*80*	
J. SITE LIGHTING		0.5			12.1	100%	*12*	*34*	
K. EXISTING BUILDING PEAK DEMAND					0.0	125%	0	0	5
L. LARGEST MOTOR			20		18.4	25%	5	13	4

		TOTAL	*357*	*991*
		BUILDING SERVICE SIZE (A)	*1200*
		SERVICE SPARE CAPACITY (%)	*175*
		TOTAL W/SF	*15*
Delivery Voltage:	208/120V 3 Phase	1	Concrete Encased: NO
Customer Electrical Panel Size:	1200 Amps		
Primary Conduit Size:	4 No. of Conduits		
Conductors per Phase (Secondary):	5		
No of Meters Needed:	1		
Desired Location of Service to Building:	Southwest side of building in exterior utility yard		

NOTES
1. LIGHTING LOAD PER NEC 220.12.
2. LOAD BASED ON ACTUAL CALCULATED LOAD OR 1 VA/S.F. WHICHEVER IS GREATER. RECEPTACLE DEMAND FACTOR BASED ON NEC TABLE 220.44.
3. MOTOR LOAD CALCULATED AS PER NEC 220.50, 430.24, 430.25, 430.26, AND 440.6.
4. LARGEST MOTOR LOAD AS PER NEC 220.50, 430.24.
5. EXISTING LOAD CALCULATED AS PER NEC 220.87 USING 24 MONTH OWNER PROVIDED UTILITY PEAK DEMAND ON 06/2024.

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	CONDUCTOR SIZE (PHASE, NEUTRAL AND GR)	CONDUIT SIZE
20A/120V	0' - 60'	#12 AWG	0.75" Ø
20A/120V	60' - 95'	#10 AWG	0.75" Ø
20A/120V	95' - 150'	#8 AWG	1" Ø
20A/120V	150' - 240'	#6 AWG	1.25" Ø
20A/277V	0' - 140'	#12 AWG	0.75" Ø
20A/277V	140' - 220'	#10 AWG	0.75" Ø
20A/277V	220' - 350'	#8 AWG	1" Ø
20A/277V	350' - 550'	#6 AWG	1.25" Ø

NOTES:

1. WIRE SIZING IS BASED ON COPPER CONDUCTORS SUPPLYING A 20A, 120V CIRCUIT AT THE INDICATED VOLTAGE, ASSUMED TO BE 80% LOADED (16A), WITH MAXIMUM VOLTAGE DROP OF 3% AT THE LOAD.
2. DOWN-SIZED WIRE AT DEVICE/LOAD AS REQUIRED AND TERMINATE CONDUCTORS IN A SAFE AND CODE COMPLIANT MANNER.
3. CONDUIT SIZE IS BASED ON A MAXIMUM OF 3 CIRCUITS PER CONDUIT, EACH WITH A SEPARATE NEUTRAL CONDUCTOR.

FAULT CURRENT TABLE

PROVIDE FULLY RATED CIRCUIT BREAKERS IN PANELBOARDS FOR THE FAULT CURRENT SHOWN. SERIES RATINGS WITH NEXT LEVEL UPSTREAM OVERCURRENT PROTECTIVE DEVICES ARE PERMITTED SUBJECT TO FACTORY UL DOCUMENTATION OF SERIES RATING SUBMITTED TO ENGINEER. IF DEVICE OR EQUIPMENT FAULT CURRENT RATING IS NOT SHOWN, ASSUME 100,000 AIC.

BUS	FAULT CURRENT	BUS	FAULT CURRENT
1LA		1PA	24881
1LC	22620	1PB	24881
1LEA	2008	1PC	25584
1LEC	22620	1PD	24460
1MA	25584	1PF	25948
1MC	23210	CTM	
		EINV-1	11681
		MDP	28768

UTILITY CONDUIT SCHEDULE

SCHEDULE NUMBER

(E.G.) U3600

NOTES:

1. SCHEDULE IS FOR RACEWAY QTY AND SIZES ONLY. CABLING PROVIDED BY UTILITY. PROVIDE PULLSTRINGS FOR ALL EMPTY CONDUITS.

SYM	SERVICE SIZE	VOLT	CONDUIT SIZE (")
1200U	1200	208-480	(5) 6

COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER

SUBSCRIPT (NOTE 5)

(E.G. 5C IG)

CONDUCTOR AND CONDUIT SCHEDULE NOTES

1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. SYMBOL SUBSCRIPTS:
   - "2N": INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #1/0 OR LARGER. INCLUDE A SINGLE 200% RATED CONDUCTOR THAT IS TWICE THE AMPACITY OF THE SCHEDULED PHASE AND NEUTRAL CONDUCTOR WHERE THE CONDUCTOR IS BELOW #1/0 IN SIZE.
   - "CI": PROVIDE CIRCUIT INTEGRITY CABLE: TYPE TWO-HOUR FIRE RESISTIVE CABLES IN CONDUIT OR PROVIDE FEEDER ENCASED IN CONCRETE.
   - "FG" FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.
   - "HH": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY. PROVIDE THE IG/HH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.
   - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
   - "MC": PROVIDE FEEDER IN METAL-CLAD CABLE; TYPE MC IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
   - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN. WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
   - "SER": PROVIDE SERVICE-ENTRANCE CABLE; TYPE SE OR SER IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDUCTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
1C	20	-	0.75	2	12	12	12	8	2
2C	20	-	0.75	3	12	12	12	8	2
3C	20	24	0.75	4	12	12	12	8	2
4C	30	-	0.75	2	10	10	10	8	2
5C	30	-	0.75	3	10	10	10	8	2
6C	30	32	0.75	4	10	10	10	8	2
7C	40	-	1	2	8	10	8	6	2
8C	40	-	1	3	8	10	8	6	2
9C	40	44	1	4	8	10	8	6	2
10C	55	-	1	2	6	10	8	4	2
11C	55	-	1	3	6	10	8	4	2
12C	55	60	1.25	4	6	10	8	4	2
13C	70	-	1	2	4	8	4	2	2
14C	70	-	1.25	3	4	8	4	2	2
15C	70	76	1.25	4	4	8	4	2	2
16C	85	-	1.25	2	3	8	3	2	2
17C	85	-	1.25	3	3	8	3	2	2
18C	85	92	1.25	4	3	8	3	2	2
19C	95	-	1.25	3	2	8	2	2	2
20C	95	104	1.5	4	2	8	2	2	2
21C	130	-	1.5	3	1	6	2	2	2
22C	130	116	1.5	4	1	6	2	2	2
29C	230	-	2.5	3	4/0	4	2	2/0	2
30C	230	208	2.5	4	4/0	4	2	2/0	2
33C	310	-	3	3	350	3	1/0	3/0	2
52C	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4

GENERAL SHEET NOTES

1. PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
2. REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
3. ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
4. PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

1. PROVIDE A FULLY COORDINATED CIRCUIT BREAKER SOLUTION FOR THE LIFE SAFETY (EMERGENCY) AND OPTIONAL STANDBY (STANDBY) DISTRIBUTION SYSTEMS TO 0.01 SECONDS; ADJUST BREAKER SIZES, BREAKER TYPES, EQUIPMENT SIZES, FEEDER SIZES, AND OTHER EQUIPMENT AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. WHERE A FULLY COORDINATED BREAKER SOLUTION MEETING THESE REQUIREMENTS IS NOT POSSIBLE BY ANY OF THE APPROVED MANUFACTURERS, THE CONTRACTOR MAY UTILIZE FUSES IN LIEU OF CIRCUIT BREAKERS ONLY WHERE ABSOLUTELY REQUIRED, THESE CHANGES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
2. CIRCUIT BREAKER MUST BE LSI WITH ABILITY TO DISABLE OR TURN OFF THE INSTANTANEOUS TRIP SETTINGS.
3. CONTRACTOR TO PROVIDE UTILITY APPROVED EUSERC METER ENCLOSURE AND CONDUIT. METER AND CABLE PROVIDED BY UTILITY FOR SPECIFIC INSTALLATION REQUIREMENTS.
4. TRANSFORMER PROVIDED BY UTILITY. CONTRACTOR TO PROVIDE PAD/VAULT PER UTILITY STANDARDS.

EQUIPMENT NAMEPLATE SCHEDULE

EQUIPMENT ID SCHEME	FIRST DIGIT - BUILDING LEVEL (0, 1, 2, ETC) SECOND DIGIT - PANEL TYPE M - MECHANICAL P - (120/208) POWER L - (120/208) LIGHTING E - EMERGENCY S - STANDBY Q - EQUIPMENT U - UPS K - KITCHEN (120/208) THIRD DIGIT - BUILDING AREA (A, B, C, ETC) FOURTH DIGIT - SEQUENCE # (1,2,3,...)
LABEL FORMAT	[NAME] [SYSTEM] [VOLTAGE] [FED FROM] [SOURCE(S)]
LABEL EXAMPLE	PANEL "4LA1" STANDBY POWER 120/208V FED FROM BUS-A / XFMR 4TA
BUSWAY	LABEL BUSWAY EVERY 6' WHERE EXPOSED TO VIEW AND EVERY 15' WHERE NOT EXPOSED TO VIEW
OTHER	

COLOR SCHEME

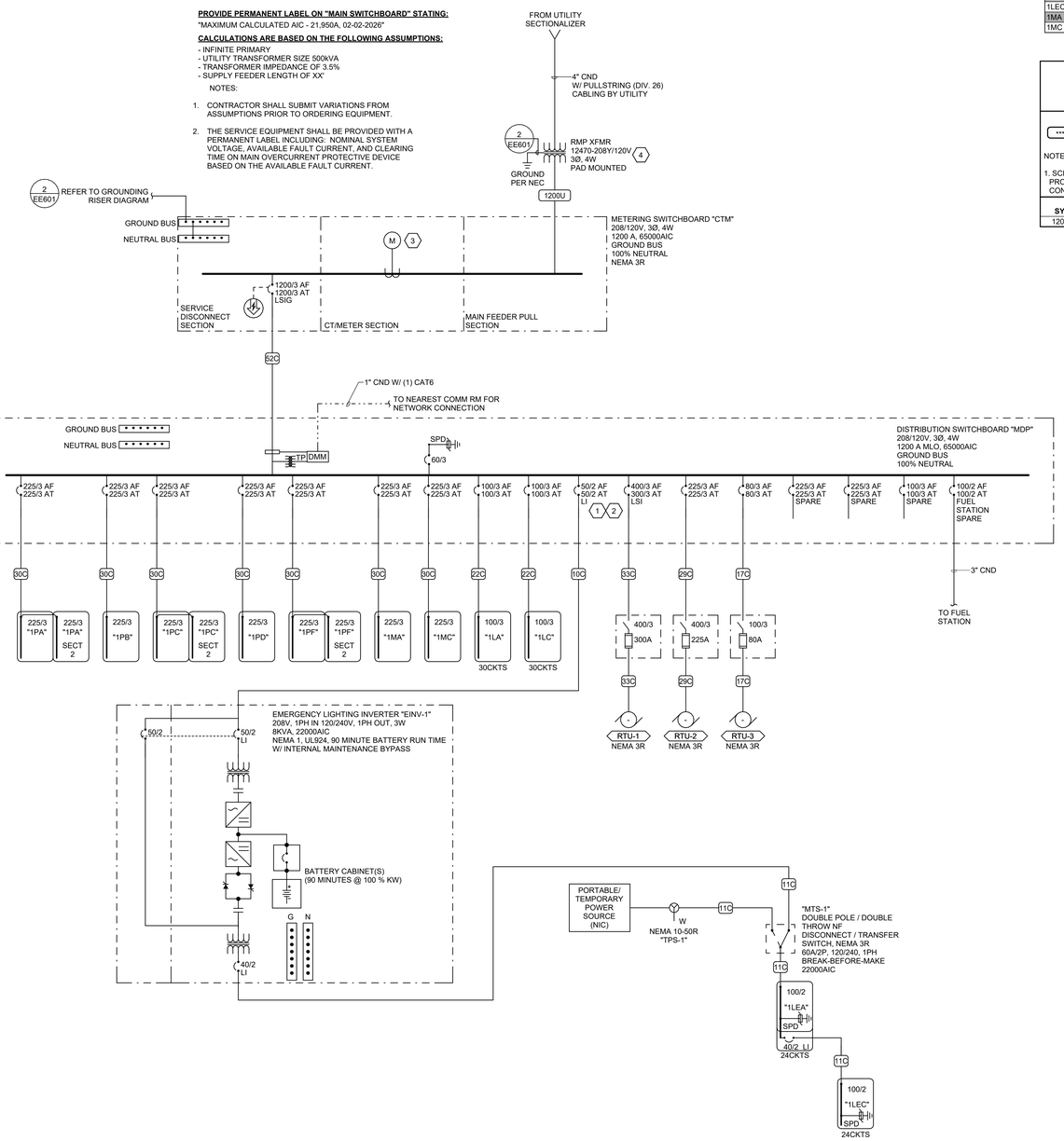
SYSTEM	EQUIPMENT	NAMEPLATE COLOR TEXT	BACKGROUND
NORMAL POWER	ALL GEAR NOT INCLUDED BELOW	WHITE	BLACK
STANDBY POWER	MDPS1 AND ALL DOWNSTREAM GEAR, EXCEPT UPS GEAR AS NOTED	WHITE	ORANGE
EMERGENCY POWER	GDP1, GDP2, ATS-E AND ALL DOWNSTREAM GEAR	WHITE	RED
LEGALLY-REQUIRED STANDBY POWER	ATS-S AND ALL DOWNSTREAM GEAR	RED	WHITE
UPS "A" POWER	UPSA AND ALL DOWNSTREAM GEAR	WHITE	BLUE
UPS "B" POWER	UPSB AND ALL DOWNSTREAM GEAR	BLACK	YELLOW

PROVIDE PERMANENT LABEL ON "MAIN SWITCHBOARD" STATING:
"MAXIMUM CALCULATED AIC - 21,950A, 02-02-2026"

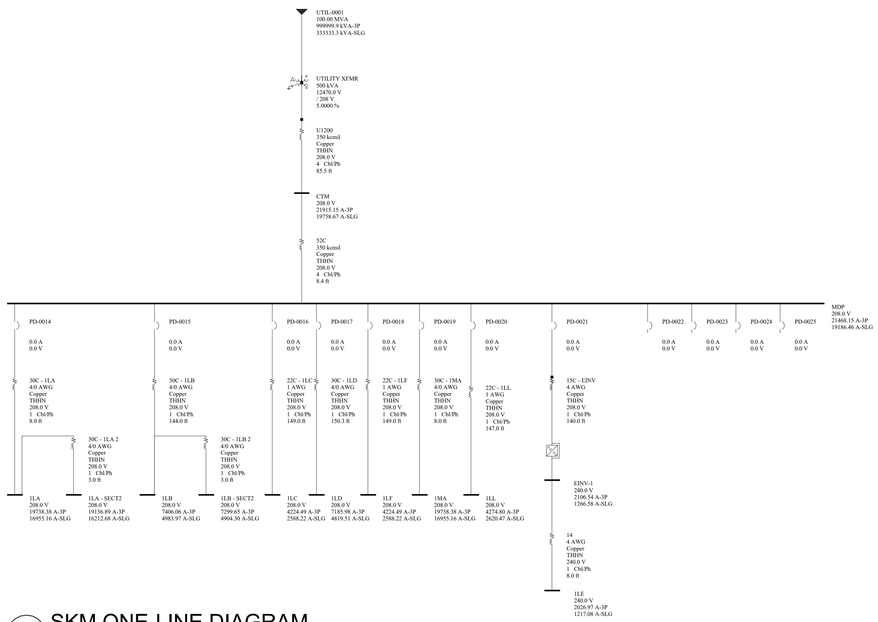
CALCULATIONS ARE BASED ON THE FOLLOWING ASSUMPTIONS:
- INFINITE PRIMARY
- UTILITY TRANSFORMER SIZE 500kVA
- TRANSFORMER IMPEDANCE OF 3.5%
- SUPPLY FEEDER LENGTH OF XX'

NOTES:

1. CONTRACTOR SHALL SUBMIT VARIATIONS FROM ASSUMPTIONS PRIOR TO ORDERING EQUIPMENT.
2. THE SERVICE EQUIPMENT SHALL BE PROVIDED WITH A PERMANENT LABEL INCLUDING: NOMINAL SYSTEM VOLTAGE, AVAILABLE FAULT CURRENT, AND CLEARING TIME ON MAIN OVERCURRENT PROTECTIVE DEVICE BASED ON THE AVAILABLE FAULT CURRENT.



2 ONE-LINE DIAGRAM
SCALE: NTS



1 SKM ONE-LINE DIAGRAM
SCALE: NTS

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Matthew John Hardy
STATE OF UTAH
05/26/2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ONE-LINE DIAGRAM, NOTES, AND SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EP601

5/21/2026 3:55:19 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/2503&0-Elec Central_NEW.rvt

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FLOORBOX SCHEDULE

USE

CFG CONCRETE FLOOR, ON GRADE

CONNECTIONS

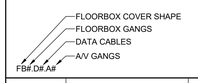
C1 RECESSED CABLE CONNECTIONS BELOW FLOOR WITH HINGED LID FOR ACCESS THAT CAN BE CLOSED WHILE IN USE.

COVER

CV1 FLANGED WITH CARPET INSERT FOR CARPET AREAS, FLANGELESS FLUSH GRAY BRUSHED ALUMINUM LID

FINISH

AL ALUMINUM



NOTES

1. PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION.
2. INCLUDE SEPARATION BARRIER BETWEEN SYSTEMS AND POWER.

ID	DESCRIPTION	SIZE (NOMINAL)	DEVICE / GANGS: DUPLEX	FURNITURE	DATA CABLES	DATA GANGS	A/V GANGS	SPARE	USE	CONNECTION	COVER	FINISH	MANUFACTURER (CATALOG SERIES)	NOTES
FB2.D2.A0	2 GANG POWER FLOORBOX	LENGTH:13" WIDTH: 7" DEPTH: 4"	2					0	CFG	C1	CV1	AL	WIREMOLD (RFBA2R30OG) HUBBELL (CFB2G30CRE) FSR (FL-200)	
FB4.D2.A0	4 GANG POWER/DATA FLOORBOX	LENGTH:13" WIDTH: 10" DEPTH: 4"	3		2	1		0	CFG	C1	CV1	AL	WIREMOLD (RFBA4R30OG) HUBBELL (CFB4G30CRE) FSR (FL-400)	
FB6.D2.A2	6 GANG POWER/DATA & A/V FLOORBOX	LENGTH:12" WIDTH: 10" DEPTH: 6"	4		2	1	2	1	CFG	C1	CV1	AL	WIREMOLD (RFBA6R30OG) HUBBELL (CFB45G55CRE) FSR (FL-500)	
FB8.D4.A4	8 GANG POWER/DATA FLOORBOX	LENGTH:12" WIDTH: 10" DEPTH: 6"	2	1	4	1	4	0	CFG	C1	CV1	AL	WIREMOLD (RFBA10R55QG) HUBBELL (CFB10G55CRE) FSR (FL-500)	

EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE KEY	NOTES:	GENERAL NOTES:
E - DIVISION 26 Q - FURNISHED WITH EQUIPMENT, INSTALLED BY DIV.26	1. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL. 2. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP. 3. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH. 4. EXHAUST FAN SHALL BE TIED TO LIGHTING CONTROL SYSTEM AND OCCUPANCY SENSOR. 5. FAN TO BE TIED TO SWITCH LOCATED IN WORKSHOP.	1. LOCATE ELECTRICAL EQUIPMENT IN ACCESSIBLE LOCATION, SUCH THAT IT IS WITHIN SIGHT OF THE EQUIPMENT IT IS SERVING, AND COMPLIES WITH N.E.C. REQUIRED CLEARANCES. 2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED. 3. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID. 4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

LABEL	QTY	DESCRIPTION	LOAD DATA: HP	kW	MCA	FLA	V	PH	WIRE AND CONDUIT SIZE	OCPD: DEVICE	OCPD: FED FROM	DISCONNECT: PROVIDED BY	DISCONNECT: DEVICE	MOTOR CONTROLLER: PROVIDED BY	MOTOR CONTROLLER: DEVICE	MOTOR CONTROLLER: SIZES	NEMA ENCLOSURE RATING	NOTES
B-1	1	BOILER CONTROL	-	-	-	9.8	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	-	-	-	-	-	-	-
B-2	1	BOILER CONTROL	-	-	-	9.8	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	-	-	-	-	-	-	-
DFS-1	1	SPLIT SYSTEM (INDOOR UNIT)	-	-	1	15.2	208	1	2 #10, #10 GR 0.75" CND	30/2 CB	1MA	E	TOGGLE SWITCH	-	-	-	-	(3)
DFS-2	1	SPLIT SYSTEM (INDOOR UNIT)	-	-	1	15.2	208	1	2 #10, #10 GR 0.75" CND	30/2 CB	1MA	E	TOGGLE SWITCH	-	-	-	-	(3)
DFS-3	1	SPLIT SYSTEM (INDOOR UNIT)	-	-	-	15.2	208	1	2 #10, #10 GR 0.75" CND	30/2 CB	1MC	E	TOGGLE SWITCH	-	-	-	-	(3)
EBB-1	1	ELECTRIC BASEBOARD HEATER	-	0.75	-	7.2	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	TOGGLE SWITCH	-	-	-	-	-
EBB-2	1	ELECTRIC BASEBOARD HEATER	-	0.75	-	7.2	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MA	E	TOGGLE SWITCH	-	-	-	-	-
EF-1	1	EXHAUST FAN	0.33	-	-	7.2	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MA	E	30A/1P FRS-15	-	FVNR	0	NEMA 3R	(4)
EF-2	1	EXHAUST FAN	0.25	-	-	5.8	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	30A/1P FRS-15	-	FVNR	0	NEMA 3R	(4)
EF-3	1	EXHAUST FAN	0.33	-	-	7.2	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	30A/1P FRS-15	-	FVNR	0	NEMA 3R	(4)
EF-4	1	EXHAUST FAN	0.25	-	-	5.8	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	30A/1P FRS-15	-	FVNR	0	NEMA 3R	-
EF-5	1	EXHAUST FAN	0.25	-	-	5.8	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	30A/1P FRS-15	-	FVNR	0	NEMA 3R	(5)
EF-6	1	EXHAUST FAN	0.04	-	-	0.4	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	30A/1P FRS-10	E	FVNR	0	-	
P-1	1	PUMP	2.5	-	-	10.6	208	3	3 #12, #12 GR 0.75" CND	20/3 CB	1MC	E	VFD / MCP	E	VFD	3 HP	-	-
P-2	1	PUMP	2.5	-	-	10.6	208	3	3 #12, #12 GR 0.75" CND	20/3 CB	1MC	E	VFD / MCP	E	VFD	3 HP	-	-
RP-1	1	RECIRC PUMP	0.08	-	-	4.4	120	1	2 #12, #12 GR 0.75" CND	20/1 CB	1MC	E	TOGGLE SWITCH	-	-	-	-	
RTU-1	1	ROOF TOP UNIT	-	-	254	203.2	208	3	REFER TO ONE-LINE	REFER TO ONE-LINE	MDP	E	REFER TO ONE-LINE	-	REFER TO ONE-LINE	-	NEMA 3R	-
RTU-2	1	ROOF TOP UNIT	-	-	180	144	208	3	REFER TO ONE-LINE	REFER TO ONE-LINE	MDP	E	REFER TO ONE-LINE	-	REFER TO ONE-LINE	-	NEMA 3R	-
RTU-3	1	ROOF TOP UNIT	-	-	72	57.6	208	3	REFER TO ONE-LINE	REFER TO ONE-LINE	MDP	E	REFER TO ONE-LINE	-	REFER TO ONE-LINE	-	NEMA 3R	-
SS-1	1	SPLIT SYSTEM (OUTDOOR UNIT)	-	-	19	15.2	208	1	2 #10, #10 GR 0.75" CND	30/2 CB	1MA	E	30A/2P FRS-25	-	-	-	NEMA 3R	(3)
SS-2	1	SPLIT SYSTEM (OUTDOOR UNIT)	-	-	19	15.2	208	1	2 #10, #10 GR 0.75" CND	30/2 CB	1MA	E	30A/2P FRS-25	-	-	-	NEMA 3R	(3)
SS-3	1	SPLIT SYSTEM (OUTDOOR UNIT)	-	-	19	15.2	208	1	2 #10, #10 GR 0.75" CND	30/2 CB	1MC	E	30A/2P FRS-25	-	-	-	NEMA 3R	(3)

ELECTRICAL FIXTURE SCHEDULE

EQUIPMENT SCHEDULE KEY

E - DIVISION 26
O - FURNISHED WITH EQUIPMENT
* - COORDINATE WITH THE DIVISION 23 TEMPERATURE CONTROL INSTALLER
** - AUTOMATIC CONTROL WIRING BY DIVISION 23

NOTES:
1. NEMA 3R
2. TOGGLE SWITCH W/ THERMAL OVERLOAD
3. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP
4. CONTRACTOR TO PERFORM FINAL CONNECTION TO LINE VOLTAGE THERMOSTATS
5. TOGGLE SWITCH W/BACNET INTERFACE.
6. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.
7. PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY.
8. PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR."
9. LINE VOLTAGE THERMOSTAT ON WALL.
10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS.
11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR AIR HANDLER.
12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.

ITEM NO.	QTY	DESCRIPTION	MOUNTING HEIGHT (AFF)	LOAD DATA: VOLT	PHASE	AMPS	kW	LOAD DATA: HP	WIRE AND CONDUIT SIZE	CONNECTION TYPE: FURN BY	CONNECTION TYPE: DEVICE	ELECTRICAL REMARKS
ACS	4	ACS POWER	<varies>	120	1	10	1.2	-	2#12, 10GR 0.75" CND	E	J-BOX	
ATC	2	ATC PANEL POWER	+48"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	J-BOX	
AV	2	AV RACK	+18"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	(2) NEMA 5-20	
DB1	1	DROP BOX	+18"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
DF	2	DRINKING FOUNTAIN	+18"	120	1	8	1.0	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
FACP	1	FACP POWER	+42"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	J-BOX	
FATC	1	FATC POWER	+42"	120	1	10	1.2	-	2#12, 10GR 0.75" CND	E	J-BOX	
IRR	1	IRRIGATION RECEPTACLE	+48"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
IT1	5	IT RACK	+84"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	(2) NEMA 5-20	
IT2	5	IT RACK	+84"	208	1	20	4.2	-	2#10, 10GR 0.75" CND	E	NEMA 6-30	
KSK	8	KIOSK	+18"	120	1	4	0.5	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
LRP	2	LIGHTING RELAY PANEL POWER	+42"	120	1	10	1.2	-	2#12, 10GR 0.75" CND	E	J-BOX	
MIR	11	LED EDGE LIT MIRROR	+60"	120	1	1	0.1	-	2#12, 10GR 0.75" CND	E	J-BOX	COORDINATE EXACT ROUGH-IN REQUIREMENTS WITH APPROVED SUBMITTAL PRIOR TO ROUGH-IN.
MON2	4	MONITOR	+60"	120	1	4	0.4	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
MON3	11	MONITOR	+72"	120	1	4	0.4	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
MON4	1	MONITOR	+78"	120	1	4	0.4	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
MW1	2	MICROWAVE	+38"	120	1	13	1.5	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
MW2	2	MICROWAVE	+57"	120	1	13	1.5	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
PRNT1	4	PRINTER	+18"	120	1	6	0.7	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
PRNT2	3	PRINTER	+42"	120	1	6	0.7	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
PRNT3	1	PRINTER	+18"	120	1	6	0.7	-	2#12, 12GR 0.75" CND	E	(2) NEMA 5-20	
REF-1	4	REFRIGERATOR - FULL SIZE	+42"	120	1	8	1.0	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
REF-2	1	UNDERCOUNTER REFRIGERATOR	+18"	120	1	6	0.7	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
RTU-1P	1	RTU OUTLET POWER	+18"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	J-BOX	
RTU-2P	1	RTU OUTLET POWER	+18"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	J-BOX	
RTU-3P	1	RTU OUTLET POWER	+18"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	J-BOX	
SHDR	3	SHREDDER	+42"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
TPS-1	1	TEMPORARY EMERGENCY POWER	+18"	208	1	0	0.0	-	SEE ONELINE	E	SEE ONELINE	
WH-1	1	WATER HEATER	+18"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
WH-2	1	WATER HEATER	+18"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
WPS	7	WINDOW POWER SHADE	+270"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	J-BOX	
WS-1	1	WATER SOFTENER	+18"	120	1	5	0.6	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	

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STATE OF UTAH
05/26/2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ELECTRICAL SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EP602

PANEL: "1LA"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC 510	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 10,000

CKT	OCP			LOAD (kVA)				PHASE LOAD						LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.1	0.0	0.0	LTG SCULPTURE SITE (1RA-7)	0.1	0.1					LTG VESTIBULE (1RA-5)	0.0	0.0	0.0		1	20	2
3	20	1		1.1	0.1	0.0	LTG 515,517,521-525			1.4	0.8			LTGLARGE CONF 520	0.0	0.0	0.8		1	20	4
5	20	1		0.1	0.0	0.0	LTG FLAG POLE SITE (1RA-6)					0.1	0.1	LTG DMV STATIONS (1RA-3)	0.0	0.0	0.1		1	20	6
7	20	1		0.2	0.0	0.0	LTG BENCH SITE NW (1RA-9)	0.2	1.5					LTG 101-104,106,511,512	0.0	0.7	0.5		1	20	8
9	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	10
11	20	1		0.2	0.0	0.0	LTG DMV WAITING (1RA-2)					0.2	0.2	LTG ENTRY LOBBY (1RA-4)	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.3	0.0	0.0	LTG BENCH SITE NE (1RA-8)					0.3	0.6	LTG CORRIDORS NE (1RA-1)	0.0	0.0	0.2		1	20	18
19	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	30
TOTALS:							CONNECTED kVA PER PHASE	**2**		**2**		**1**		CONNECTED TOTAL kVA =	**6**						
							CONNECTED AMPS PER PHASE	**17**		**20**		**11**		AVERAGE CONNECTED AMPS PER PHASE =	**15**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: **3.6 kVA @ 125% = 4.5 kVA**
RECEPTACLES:
ALL OTHER LOADS @ 100% : **0.8 kVA**

- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **6**
AVERAGE AMPS PER PHASE = **18**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1LC"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	100 AMPERE MAIN LUGS	MDP	SURFACE	ELEC. 528	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 10,000

CKT	OCP			LOAD (kVA)				PHASE LOAD						LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.1	0.0	0.0	LTG DLD STATIONS (1RC-2)	0.1	0.3					LTG BENCH SITE SE (1RC-5)	0.0	0.0	0.3		1	20	2
3	20	1		0.3	0.0	0.0	LTG DLD WAITING (1RC-1)			0.3	0.9			LTG MAIN CORRIDOR (1RC-3)	0.0	0.0	0.5		1	20	4
5	20	1		0.7	0.0	0.0	LIGHTING ORS 311					0.8	1.1	LTG DLD OFFICES	0.0	0.0	0.8		1	20	6
7	20	1		0.2	0.0	0.0	LTG DWS OFFICE (1RC-4)	0.2	0.2					LTG DCFS OFFICE (1RC-6)	0.0	0.0	0.2		1	20	8
9	20	1		1.3	0.0	0.0	LTG CENTER OFFICES			2.0	1.0			LTG DCFS OPEN OFFICE 312	0.0	0.0	1.0		1	20	10
11	20	1		1.1	0.0	0.0	LTG DWS OPEN OFFICE 409					1.1	0.0	SPARE	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	30
TOTALS:							CONNECTED kVA PER PHASE	**1**		**4**		**3**		CONNECTED TOTAL kVA =	**8**						
							CONNECTED AMPS PER PHASE	**6**		**37**		**28**		AVERAGE CONNECTED AMPS PER PHASE =	**22**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: **6.4 kVA @ 125% = 8.0 kVA**
RECEPTACLES:
ALL OTHER LOADS @ 100% : **0.0 kVA**

- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **9**
AVERAGE AMPS PER PHASE = **26**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1LEA"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/240 V, 1 PH 3 WIRE	22" W x 6" D, BOLT-ON	100 AMPERE MAIN LUGS	MTS-1	SURFACE	ELEC 510	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 10,000

CKT	OCP			LOAD (kVA)				PHASE LOAD						LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	EM LTG VESTIBULE (1RA-19)	0.0	0.0					LTG EXIT SIGNS	0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.0	EM LTG DMV WAITING (1RA-16)			0.0	0.1			EM LTG DMV STATIONS (1RA-17)	0.0	0.0	0.1		1	20	4
5	20	1		0.0	0.0	0.0	EM LTG ENTRY LOBBY (1RA-18)	0.0	1.0					LTG EMERGENCY NORTH	0.0	0.0	1.0		1	20	6
7	20	1		0.1	0.0	0.0	EM LTG NW CORRIDORS (1RA-15)			0.1	0.1			EM LTG BLDG EXITS NORTH (1RA-23)	0.0	0.0	0.1		1	20	8
9	20	1		0.0	0.0	0.0	E M LTG BOLLARD SITE NE (1RA-20)	0.2	0.0					SPARE	0.0	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.0	EM LTG BOLLARDS SITE NW (1RA-21)			0.2	0.0			SPARE	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE	0.0	2.8					PWR PANEL "1LEB'	0.0	0.0	2.8	LI	2	40	22
23	20	1		0.0	0.0	0.0	SPARE			0.0	0.8			--	--	--	--	--	--	--	24
TOTALS:							CONNECTED kVA PER PHASE	**4**		**1**				CONNECTED TOTAL kVA =	**5**						
							CONNECTED AMPS PER PHASE	**33**		**11**				AVERAGE CONNECTED AMPS PER PHASE =	**22**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: **4.2 kVA @ 125% = 5.3 kVA**
RECEPTACLES:
ALL OTHER LOADS @ 100% : **0.0 kVA**

- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **6**
AVERAGE AMPS PER PHASE = **27**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1LEC"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/240 V, 1 PH 3 WIRE	22" W x 6" D, BOLT-ON	100 AMPERE MAIN LUGS	1LEA	SURFACE	ELEC. 528	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 10,000

CKT	OCP			LOAD (kVA)				PHASE LOAD						LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.1	0.0	0.0	LIGHTING OPEN OFFICE 409	0.1	1.0					EM LTG PARKING SITE SE (1RC-21)	0.0	0.0	1.0		1	20	2
3	20	1		0.1	0.0	0.0	EM LTG DLD WAITING (1RC-15)			0.1	0.1			EM LTG DLD STATIONS (1RC-16)	0.0	0.0	0.1		1	20	4
5	20	1		0.1	0.0	0.0	EM LTG DCFS OFFICE (1RC-17)	0.1	0.2					EM LTG BLDG EXITS SOUTH (1RC-22)	0.0	0.0	0.1		1	20	6
7	20	1		0.2	0.0	0.0	EM LTG MAIN CORRIDOR (1RC-19)			0.2	0.2			EM LTG BOLLARD SITE SE (1RC-20)	0.0	0.0	0.0		1	20	8
9	20	1		1.1	0.0	0.0	EM LTG ROOM 527, 528	1.5	0.0					SPARE	0.0	0.0	0.0		1	20	10
11	20	1		0.1	0.0	0.0	EM LTG DWS OFFICE (1RC-18)			0.1	0.0			SPARE	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	24
TOTALS:							CONNECTED kVA PER PHASE	**3**		**1**				CONNECTED TOTAL kVA =	**4**						
							CONNECTED AMPS PER PHASE	**23**		**6**				AVERAGE CONNECTED AMPS PER PHASE =	**15**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: **2.8 kVA @ 125% = 3.5 kVA**
RECEPTACLES:
ALL OTHER LOADS @ 100% : **0.0 kVA**

- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **4**
AVERAGE AMPS PER PHASE = **18**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1MA"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC 510	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 22,000

CKT	OCP			LOAD (kVA)				PHASE LOAD						LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	PWR FAN SHUT-DOWN RELAY	0.0	0.6					PWR RTU CO (RTU-2P) ROOF	0.0	0.6	0.0		1	20	2
3	20	1		0.0	0.9	0.0	PWR EXHAUST FAN (EF-1) ROOF			0.9	3.2			PWR (SS-1) ROOF / (DFS-1) 526	0.0	6.3	0.0		2	30	4
5	20	1		0.0	0.0	0.0	SPARE					0.0	3.2	--	--	--	--	--	--	--	6
7	20	1		0.0	0.9	0.0	PWR EBB HEATER (EBB-2) 500	0.9	0.0					SPARE	0.0	0.0	0.0		1	20	8
9	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	10
11	30	2		0.0	6.3	0.0	PWR (SS-2) ROOF / (DFS-2) 510					3.2	0.0	SPARE	0.0	0.0	0.0		1	20	12
13	--	--	--	--	--	--	--	3.2	0.0					SPARE	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	30
31	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	32
33	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	34
35	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	36
37	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	38
39	20	2		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		2	30	40
41	--	--	--	--	--	--	--					0.0	0.0	--	--	--	--	--	--	--	42
TOTALS:							CONNECTED kVA PER PHASE	**5**		**4**		**6**		CONNECTED TOTAL kVA =	**15**						
							CONNECTED AMPS PER PHASE	**39**		**34**		**53**		AVERAGE CONNECTED AMPS PER PHASE =	**42**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
RECEPTACLES:
ALL OTHER LOADS @ 100% : **15.8 kVA**

- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **16**
AVERAGE AMPS PER PHASE = **44**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1MC"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC. 528	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 18,000

CKT	OCP			LOAD (kVA)				PHASE LOAD						LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	PWR FAN SHUT-DOWN RELAY	0.0	0.0					PWR FAN SHUT-DOWN RELAY	0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.6	0.0	PWR RTU CO (RTU-1P) ROOF			0.6	0.7			PWR EXHAUST FAN (EF-4) ROOF	0.0	0.7	0.0		1	20	4
5	20	1		0.0	0.6	0.0	PWR ATC PANEL 502					0.6	0.9	PWR EXHAUSE FAN (EF-3) ROOF	0.0	0.9	0.0		1	20	6
7	20	1		0.0	0.5	0.0	PWR RECIRC PUMP (RP-1) 502	0.5	0.9					PWR EBB HEATER (EBB-1) 506	0.0	0.9	0.0		1	20	8
9	20	1		0.0	0.6	0.0	PWR WATER HEATER (WH-2) 502			0.6	0.0			SPARE	0.0	0.0	0.0		2	30	10
11	20	1		0.0	1.2	0.0	PWR BOILER (B-2) 502					1.2	0.0	--	--	--	--	--	--	--	12
13	20	1		0.0	1.2	0.0	PWR BOILER (B-1) 502	1.2	3.2					PWR (SS-3) ROOF / (DFS-3) 527	0.0	6.3	0.0		2	30	14
15	20	1		0.0	0.0	0.0	PWR EXHAUST FAN (EF-6) 528			0.0	3.2			--	--	--	--	--	--	--	16
17	20	1		0.0	0.6	0.0	PWR RTU CO (RTU-3P) ROOF					0.6	0.7	PWR EXHAUST FAN (EF-5) ROOF	0.0	0.7	0.0		1	20	18
19	20	1		0.0	0.6	0.0	PWR ATC PANEL 502	0.6	0.7					PWR EXHAUST FAN (EF-2) ROOF	0.0	0.7	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE			0.0	1.3			PWR PUMP (P-1) 502	0.0	3.8	0.0		3	20	22
23	20	1		0.0	0.6	0.0	PWR WATER SOFTENER 502					0.6	1.3	--	--	--	--	--	--	--	24
25	20	1		0.0	0.6	0.0	PWR WATER HEATER (WH-1) 502	0.6	1.3					--	--	--	--	--	--	--	26
27	20	3		0.0	3.8	0.0	PWR PUMP (P-2) 502			1.3	0.0			SPARE	0.0	0.0	0.0		1	20	28
29	--	--	--	--	--	--	--					1.3	0.0	SPARE	0.0	0.0	0.0		1	20	30
31	--	--	--	--	--	--	--	1.3	0.0					SPARE	0.0	0.0	0.0		1	20	32
33	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	34
35	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	36
37	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		3	20	38
39	30	2		0.0	0.0	0.0	SPARE			0.0	0.0			--	--	--	--	--	--	--	40
41	--	--	--	--	--	--	--					0.0	0.0	--	--	--	--	--	--	--	42
TOTALS:							CONNECTED kVA PER PHASE	**10**		**8**		**7**		CONNECTED TOTAL kVA =	**25**						
							CONNECTED AMPS PER PHASE	**85**		**64**		**59**		AVERAGE CONNECTED AMPS PER PHASE =	**69**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
RECEPTACLES:
ALL OTHER LOADS @ 100% : **25.8 kVA**

- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **26**
AVERAGE AMPS PER PHASE = **72**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

5/21/2026 3:55:25 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/250340-Elec Central_NEW.rvt
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF AJC ARCHITECTS PC AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNEC

PANEL: "1PA"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC 510	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 22,000

CKT	OCP			LOAD (kVA)				PHASE LOAD					LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C	DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.2	CO ROOF	0.2	0.4				CO EMPLOYEE LOUNGE 501.B	0.4	0.0	0.0		1	20	2
3	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 501D			0.2	0.4		CO NORTHEAST EXTERIOR	0.4	0.0	0.0		1	20	4
5	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 514					0.2	0.4	PWR ADA OPERATOR 1001,100B	0.0	0.4	0.0		1	20	6
7	20	1		0.0	0.5	0.0	PWR ADA OPERATOR 500	0.5	0.5				CO 501.B	0.5	0.0	0.0		1	20	8
9	20	1		0.0	0.5	0.0	PWR ADA OPERATORS 511,512			0.5	0.5		CO WORK STATIONS 105	0.5	0.0	0.0		1	20	10
11	20	1		0.0	0.5	0.0	PWR KIOSK 100					0.5	0.6	PWR SHREDDER 101	0.0	0.6	0.0		1	20	12
13	20	1		0.0	0.0	0.7	CO COPY 101	0.7	0.9				CO ROOM 501.B, 501.B	0.9	0.0	0.0		1	20	14
15	20	1		0.0	0.8	0.0	POWER MECH 274			0.8	1.0		CO MED CONF 517	0.5	0.4	0.0		1	20	16
17	20	1		0.0	0.0	0.9	CO LARGE CONF 520					0.9	1.0	PWR VAV 274	0.0	1.0	0.0		1	20	18
19	20	1		0.0	0.4	0.7	CO BREAKOUT RM 522	1.1	1.3				CO ROOM 100, 107	0.9	0.4	0.0		1	20	20
21	20	1		0.0	0.8	0.4	CO LARGE CONF 520			1.2	1.2		PWR AV RACK 520	0.0	1.2	0.0		1	20	22
23	20	1		0.0	0.4	0.7	CO BREAKOUT RM 523					1.1	1.8	CO ROOM 104, 106	1.8	0.0	0.0		1	20	24
25	20	1		0.0	0.0	1.4	CO FLOORBOXES 520	1.4	1.5					PWR MIRCOWAVE (MW1) 501.B	0.0	1.5	0.0		1	20	26
27	20	1		0.0	0.8	0.5	CO HALLWAY 105			1.4	1.4			CO ROOM 102, 103	1.4	0.0	0.0		1	20	28
29	20	1		0.0	2.0	0.0	PWR WINDOW SHADES 105					2.0	0.7	PWR REFRIGERATOR (REF-2) 525	0.0	0.7	0.0		1	20	30
31	20	1		0.0	0.0	0.7	CO ROOM 524, 525	0.7	0.7					CO HOTELING STATIONS 501.B	0.7	0.0	0.0		1	20	32
33	20	1		0.0	0.7	0.0	PWR PRINTER 101			0.7	0.7			CO MAIN CORRIDOR 501.A	0.7	0.0	0.0		1	20	34
35	20	1		0.0	0.0	0.7	CO ROOM 511, 512					0.7	1.0	PWR REFRIGERATOR 501.B	0.0	1.0	0.0		1	20	36
37	20	1		0.0	1.0	0.0	PWR REFRIGERATOR 501.B	1.0	1.0					CO MED CONF 521	0.5	0.4	0.0		1	20	38
39	20	1		0.0	1.0	0.0	PWR REFRIGERATOR 501.B			1.0	1.0			PWR DRINKING FOUNTAIN	0.0	1.0	0.0		1	20	40
41	20	1		0.0	1.0	0.0	PWR REFRIGERATOR 501.B					1.0	1.1	CO WORK STATIONS 105	1.1	0.0	0.0		1	20	42
43	20	1		0.0	0.0	1.1	CO DTS OFFICE 515	1.1	1.2					PWR AV RACK 530	0.0	1.2	0.0		1	20	44
45	20	1		0.0	0.0	1.1	CO WORK STATIONS 105			1.1	1.2			PWR DROP BOX 101	0.0	1.2	0.0		1	20	46
47	20	1		0.0	1.2	0.0	PWR VAV 294					1.2	1.5	PWR MIRCOWAVE (MW2) 501.B	0.0	1.5	0.0		1	20	48
49	20	1		0.0	1.5	0.0	PWR MIRCOWAVE (MW1) 501.B	1.5	0.0					SPARE	0.0	0.0	0.0		1	20	50
51	20	1		0.0	1.5	0.0	PWR MIRCOWAVE (MW2) 501.B			1.5	0.0			SPARE	0.0	0.0	0.0		1	20	52
53	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	54
55	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	56
57	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	58
59	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	60
61	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	62
63	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	64
65	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	66
67	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	68
69	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	70
71	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	72
73	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	74
75	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	76
77	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	78
79	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	80
81	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	82
83	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	84

TOTALS: CONNECTED kVA PER PHASE **16** **16** **16** CONNECTED TOTAL kVA = **47**

CONNECTED AMPS PER PHASE **131** **131** **131** AVERAGE CONNECTED AMPS PER PHASE = **131**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
- 100% CONNECTED LOAD PLUS 25%
- DIVERSIFIED TOTAL kVA = **42**

RECEPTACLES: **19.6 kVA @ 75% = 14.8 kVA**
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- AVERAGE AMPS PER PHASE = **117**

ALL OTHER LOADS @ 100% : **27.5 kVA**
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1PB"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC 510	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 22,000

CKT	OCP			LOAD (kVA)				PHASE LOAD					LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C	DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.2	CO ELEC 510	0.2	1.2				PWR IT RACK (IT1) 526	0.0	1.2	0.0		1	20	2
3	20	1		0.0	1.2	0.0	PWR ACS3_526 PANEL			1.2	1.2		PWR IT RACK (IT1) 526	0.0	1.2	0.0		1	20	4
5	20	1		0.0	1.2	0.0	PWR IT RACK (IT1) 526					1.2	2.1	PWR IT RACK (IT2) 526	0.0	4.2	0.0		2	30	6
7	30	2		0.0	4.2	0.0	PWR IT RACK (IT2) 526	2.1	2.1					--	--	--	--	--	--	--	8
9	--	--	--	--	--	--	--			2.1	2.1		PWR IT RACK (IT2) 526	0.0	4.2	0.0		2	30	10
11	20	1		0.0	1.2	0.0	PWR RELAY PANEL (1RA) 510					1.2	2.1	--	--	--	--	--	--	--	12
13	20	1		0.0	1.2	0.0	PWR ACS4_526 PANEL	1.2	0.4					CO TELECOM 526	0.4	0.0	0.0		1	20	14
15	20	1	RED	0.0	1.2	0.0	PWR FACP PANEL 510			1.2	0.7			CO TELECOM 526	0.7	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.7	CO TELECOM 526					0.7	0.0	SPARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	30
31	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	32
33	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	34
35	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	36
37	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	38
39	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		2	30	40
41	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	--	--	--	--	--	--	42

TOTALS: CONNECTED kVA PER PHASE **7** **8** **7** CONNECTED TOTAL kVA = **23**

CONNECTED AMPS PER PHASE **59** **71** **61** AVERAGE CONNECTED AMPS PER PHASE = **63**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
- 100% CONNECTED LOAD PLUS 25%
- DIVERSIFIED TOTAL kVA = **23**

RECEPTACLES: **2.0 kVA @ 100% = 2.0 kVA**
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- AVERAGE AMPS PER PHASE = **63**

ALL OTHER LOADS @ 100% : **20.9 kVA**
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1PC"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC. 528	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 18,000

CKT	OCP			LOAD (kVA)				PHASE LOAD					LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C	DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.2	0.0	CO ELEC. 528	0.2	0.4				CO SOUTHWEST EXTERIOR	0.4	0.0	0.0		1	20	2
3	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 401			0.2	0.5		CO MAIN CORRIDOR 501.A	0.5	0.0	0.0		1	20	4
5	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 501.A					0.2	0.5	CO ROOF	0.5	0.0	0.0		1	20	6
7	20	1		0.0	0.0	0.7	CO TELE/COM 527	0.7	0.9					CO TESTING ROOM 400	0.9	0.0	0.0		1	20	8
9	20	1		0.0	0.8	0.0	PWR VAV 409			0.8	1.1			CO OPEN OFFICE 409	1.1	0.0	0.0		1	20	10
11	20	1		0.0	0.8	0.0	PWR VAV 409					0.8	1.1	CO WAITING AREA 401	0.7	0.4	0.0		1	20	12
13	20	1		0.0	0.0	1.6	CO ROOM 406, 405	1.6	0.4					CO TELE/COM 527	0.4	0.0	0.0		1	20	14
15	20	1		0.0	1.4	0.0	PWR SYS FURN 312			1.4	1.8			CO ROOM 403, 404	1.8	0.0	0.0		1	20	16
17	20	1		0.0	1.4	0.0	PWR SYS FURN 409					1.4	1.8	CO ROOM 407, 408	1.8	0.0	0.0		1	20	18
19	30	2		0.0	4.2	0.0	PWR IT RACK (IT2) 527	2.1	0.7					PWR PRINTER (PRNT3) 409	0.0	0.7	0.0		1	20	20
21	--	--	--	--	--	--	--			2.1	0.4			CO WAITING AREA 301	0.4	0.0	0.0		1	20	22
23	30	2		0.0	4.2	0.0	PWR IT RACK (IT2) 527					2.1	0.4	PWR FLOORBOX 401	0.4	0.0	0.0		1	20	24
25	--	--	--	--	--	--	--	2.1	0.7					CO TELE/COM 527	0.7	0.0	0.0		1	20	26
27	20	1		0.0	0.7	0.0	PWR PRINTER 401			0.7	0.7			CO WAITING AREA 301	0.7	0.0	0.0		1	20	28
29	20	1		0.0	0.7	0.0	PWR SYS FURN 312					0.7	0.7	CO WAITING AREA 301	0.7	0.0	0.0		1	20	30
31	20	1		0.0	0.0	1.1	CO OPEN OFFICE 409	1.1	1.2					PWR IT RACK (IT1) 527	0.0	1.2	0.0		1	20	32
33	20	1		0.0	1.1	0.0	PWR SYS FURN 409			1.1	1.2			PWR IT RACK (IT1) 527	0.0	1.2	0.0		1	20	34
35	20	1		0.0	1.1	0.0	PWR SYS FURN 409					1.1	1.2	PWR RELAY PANEL (1RB) 528	0.0	1.2	0.0		1	20	36
37	20	1		0.0	1.2	0.0	PWR ACS1_527 PANEL 527	1.2	1.4					PWR SYS FURN 409	0.0	1.4	0.0		1	20	38
39	20	1		0.0	1.2	0.0	PWR ACS2_527 PANEL 527			1.2	1.4			PWR SYS FURN 409	0.0	1.4	0.0		1	20	40
41	20	1	RED	0.0	1.2	0.0	PWR FATC PANEL 528					1.2	1.4	PWR SYS FURN 409	0.0	1.4	0.0		1	20	42
43	20	1		0.0	1.4	0.0	PWR SYS FURN 409	1.4	3.3					PWR EV CHARGER SITE	0.0	0.0	0.0		2	40	44
45	20	1		0.0	1.4	0.0	PWR SYS FURN 409			1.4	3.3			--	--	--	--	--	--	--	46
47	20	1		0.0	1.4	0.0	PWR SYS FURN 409					1.4	3.3	PWR EV CHARGER SITE	0.0	0.0	0.0		2	40	48
49	20	1		0.0	0.0	0.0	SPARE	0.0	3.3					--	--	--	--	--	--	--	50
51	40	2		0.0	0.0	0.0	PWR EV CHARGER SITE			3.3	0.0			SPARE	0.0	0.0	0.0		1	20	52
53	--	--	--	--	--	--	--					3.3	0.0	SPARE	0.0	0.0	0.0		1	20	54
55	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	56
57	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	58
59	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	60
61	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	62
63	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	64
65	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	66
67	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	68
69	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	70
71	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	72
73	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	74
75	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	76
77	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	78
79	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	80
81	20	2		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		2	30	82
83	--	--	--	--	--	--	--					0.0	0.0	--	--	--	--	--	--	--	84

TOTALS: CONNECTED kVA PER PHASE **23** **23** **23** CONNECTED TOTAL kVA = **68**

CONNECTED AMPS PER PHASE **190** **190** **191** AVERAGE CONNECTED AMPS PER PHASE = **190**

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
- 100% CONNECTED LOAD PLUS 25%
- DIVERSIFIED TOTAL kVA = **71**

RECEPTACLES: **14.6 kVA @ 84% = 12.3 kVA**
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- AVERAGE AMPS PER PHASE = **197**

ALL OTHER LOADS @ 100% : **33.9 kVA**
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

PANEL: "1PD"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	MDP	SURFACE	ELEC. 528	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 18,000

CKT	OCP			LOAD (kVA)				PHASE LOAD					LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C	DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.6	0.0	PWR SHREDDER 309	0.6	1.1				CO ORS 311	1.1	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.7	CO OPEN OFFICE 312			0.7	1.3		CO 304	0.9	0.4	0.0		1	20	4
5	20	1		0.0	0.0	1.1	CO ROOM 323, 312, 312, 306					1.1	1.2	PWR VAV 305	0.0	1.2	0.0		1	20	6
7	20	1		0.0	0.0	1.3	CO ROOM 321, 323	1.3	1.9					CO RMS 302, 303	1.1	0.8	0.0		1	20	8
9	20	1		0.0	0.0	1.4	CO ROOM 314, 313			1.4	1.4			CO ROOM 316, 315	1.4	0.0	0.0		1	20	10
11	20	1		0.0	1.2	0.0	PWR VAV 307					1.2	1.6	CO ROOM 308, 309	1.6	0.0	0.0		1	20	12
13	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 301A	0.2	0.4					CO 307	0.4	0.0	0.0		1	20	14
15	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 303A			0.2	0.4			CO LIVE SCAN 300	0.4	0.0	0.0		1	20	16
17	20	1		0.0	0.2	0.0	PWR ADA OPERATOR 305					0.2	0.4	PWR SYS FURN 312	0.0	0.4	0.0		1	20	18
19	20	1		0.0	0.0	0.5	CO FLOORBOX 304	0.5	0.7					PWR PRINTER 321	0.0	0.7	0.0		1	20	20
21	20	1		0.0	0.0	0.5	CO ROOM 305, 324			0.5	0.7			PWR PRINTER 321	0.0	0.7	0.0		1	20	22
23	20	1		0.0	0.0	0.5	CO WAITING AREA 301					0.5	0.7	PWR SYS FURN 312	0.0	0.7	0.0		1	20	24
25	20	1		0.0	0.0	0.7	CO ROOM 319	0.7	1.4					PWR SYS FURN 312	0.0	1.4	0.0		1	20	26
27	20	1		0.0	0.0	0.5	CO SOUTH EXTERIOR			0.5	1.4			PWR SYS FURN 312	0.0	1.4	0.0		1	20	28
29	20	1		0.0	0.7	0.0	PWR PRINTER 307					0.7	1.4	PWR SYS FURN 312	0.0	1.4	0.0		1	20	30
31	20	1		0.0	0.0	1.4	CO ROOM 318, 317	1.4	0.0					SPARE	0.0	0.0	0.0		1	20	32
33	20	1		0.0	0.0	1.4	CO ROOM 320, 319			1.4	0.0			SPARE	0.0	0.0	0.0		1	20	34
35	20	1		0.0	1.4	0.0	PWR SYS FURN 312					1.4	0.0	SPARE	0.0	0.0	0.0		1	20	36
37	20	1		0.0	0.0	0.0	SPARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	38
39	20	1		0.0	0.0	0.0	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	40
41	20	1		0.0	0.0	0.0	SPARE					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	42

TOTALS: CONNECTED kVA PER PHASE **10** **10** **11** CONNECTED TOTAL kVA = **31**

CONNECTED AMPS PER PHASE

GENERAL SHEET NOTES

1 PROVIDE PROTECTIVE BUSHING ON THE END OF ALL CONDUIT RUNS.

2 A SINGLE BEND CANNOT BE GREATER THAN 90 DEGREES.

3 NO MORE THAN 180 DEGREE IN BENDS IS ALLOWED WITH PROVIDING AN ACCESSIBLE PULL BOX. PULL BOX MUST BE IN AN ACCESSIBLE CEILING SPACE FOR ONGOING SUPPORT AND MAINTENANCE.

4 A SINGLE CONDUIT FOR HORIZONTAL CABLE CANNOT RUN MORE THAN 100 ' CONTINUOUSLY WITHOUT A PULL BOX OR AN ACCESSIBLE PULL POINT.

5 TELECOMMUNICATIONS CONDUIT SHOULD NOT RUN OVER OR ADJACENT TO BOILERS, INCINERATORS, HOT WATER LINES, OR STEAM LINES.

6 ALL CONDUIT MUST BE SEALED PROPERLY AFTER CABLE INSTALLATION TO ENSURE ANY RATED WALL ASSEMBLIES ARE RETURNED TO THE ORIGINAL WALL RATING.

7 TELECOMMUNICATIONS WORK AREA OUTLET SHOULD BE LOCATED WITHIN 3 ' OF AN ELECTRICAL OUTLET AND INSTALLED AT THE SAME ELEVATION.

8 THE DAISY CHAINING OF TELECOMMUNICATIONS BOXES IS NOT ALLOWED. ALL CONDUIT RUNS MUST BE DEDICATED TO ONE OUTLET LOCATION.

9 ALL CONDUITS INSTALLED FOR THE USE OF BACKBONE CABLE MUST USE LONG SWEEPS.

10 VERTICAL SLEEVES MUST EXTEND A MINIMUM OF 3" ABOVE THE FINISHED FLOOR BUT NO MORE THAN 8" ABOVE THE FINISHED FLOOR.

11 VERTICAL SLEEVES MUST BE COORDINATED WITH THE ENLARGE TELECOM VIEWS TO ENSURE PROPER CIRCULATION SPACE IS GIVEN.

12 VERTICAL SLEEVES SHOULD BE ADJACENT TO THE WALL AND IN A CORNER WHERE AT ALL POSSIBLE TO ALLOW FOR PROPER CABLE RACKING. NO MORE THAN TWO ROWS OF SLEEVES ARE ALLOWED.

13 VERTICALLY MOUNTED LADDER RACK IS REQUIRED TO SUPPORT CABLE. CABLE SHOULD BE SUPPORTED IN A VERTICAL POSITION TO ENSURE CABLE DOES NOT SLIP.

14 ALL VERTICAL SLEEVES MUST BE PROPERLY SEALED AFTER USE.

15 ALL CONDUIT SHOULD HAVE A PULL CORD INSTALLED WITH A MINIMUM TEST RATING OF 200 LBS.

16 AFTER CONDUIT INSTALLATION CONDUITS SHOULD BE LEFT CLEAN, DRY, AND UNOBSTRUCTED; REAMED AND FITTED WITH BUSHINGS, CAPPED FOR PROTECTION, AND LABELED FOR IDENTIFICATION.

17 ALL CABLE TRAY INSTALLATION MUST UTILIZE TRAPEZE MOUNTING. NO CENTER HUNG SUPPORTS WILL BE ALLOWED. NO WALL MOUNTS WILL BE ALLOWED. IF TRAPEZE SUPPORTS CANNOT BE USED, A REQUEST MUST BE SUBMITTED TO ALLOW ALTERNATE MOUNTING METHODS.

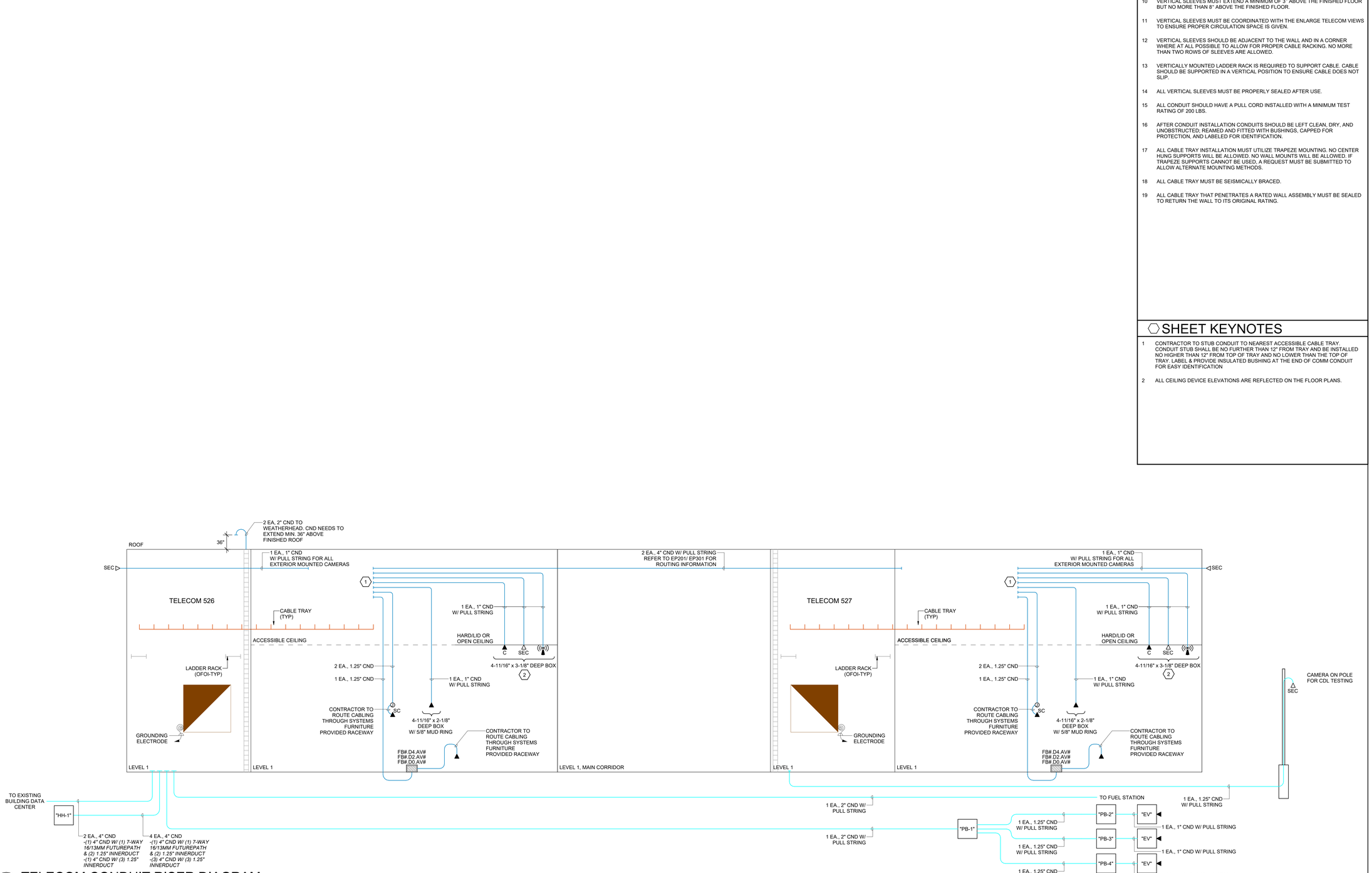
18 ALL CABLE TRAY MUST BE SEISMICALLY BRACED.

19 ALL CABLE TRAY THAT PENETRATES A RATED WALL ASSEMBLY MUST BE SEALED TO RETURN THE WALL TO ITS ORIGINAL RATING.

SHEET KEYNOTES

1 CONTRACTOR TO STUB CONDUIT TO NEAREST ACCESSIBLE CABLE TRAY. CONDUIT STUB SHALL BE NO FURTHER THAN 12" FROM TRAY AND BE INSTALLED NO HIGHER THAN 12" FROM TOP OF TRAY AND NO LOWER THAN THE TOP OF TRAY. LABEL & PROVIDE INSULATED BUSHING AT THE END OF COMM CONDUIT FOR EASY IDENTIFICATION

2 ALL CEILING DEVICE ELEVATIONS ARE REFLECTED ON THE FLOOR PLANS.



1 TELECOM CONDUIT RISER DIAGRAM
SCALE: NTS

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ARCHITECT / CONSULTANT

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No. 10221159-2202
Matthew John Hawkins
STATE OF UTAH
05/26/2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND GOVERNMENTAL SERVICES

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

TELECOM CONDUIT RISER DIAGRAM

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **Author**
CHECKED BY: **Checker**
PROJECT#: **2023-41**

SHEET NUMBER:

EP650

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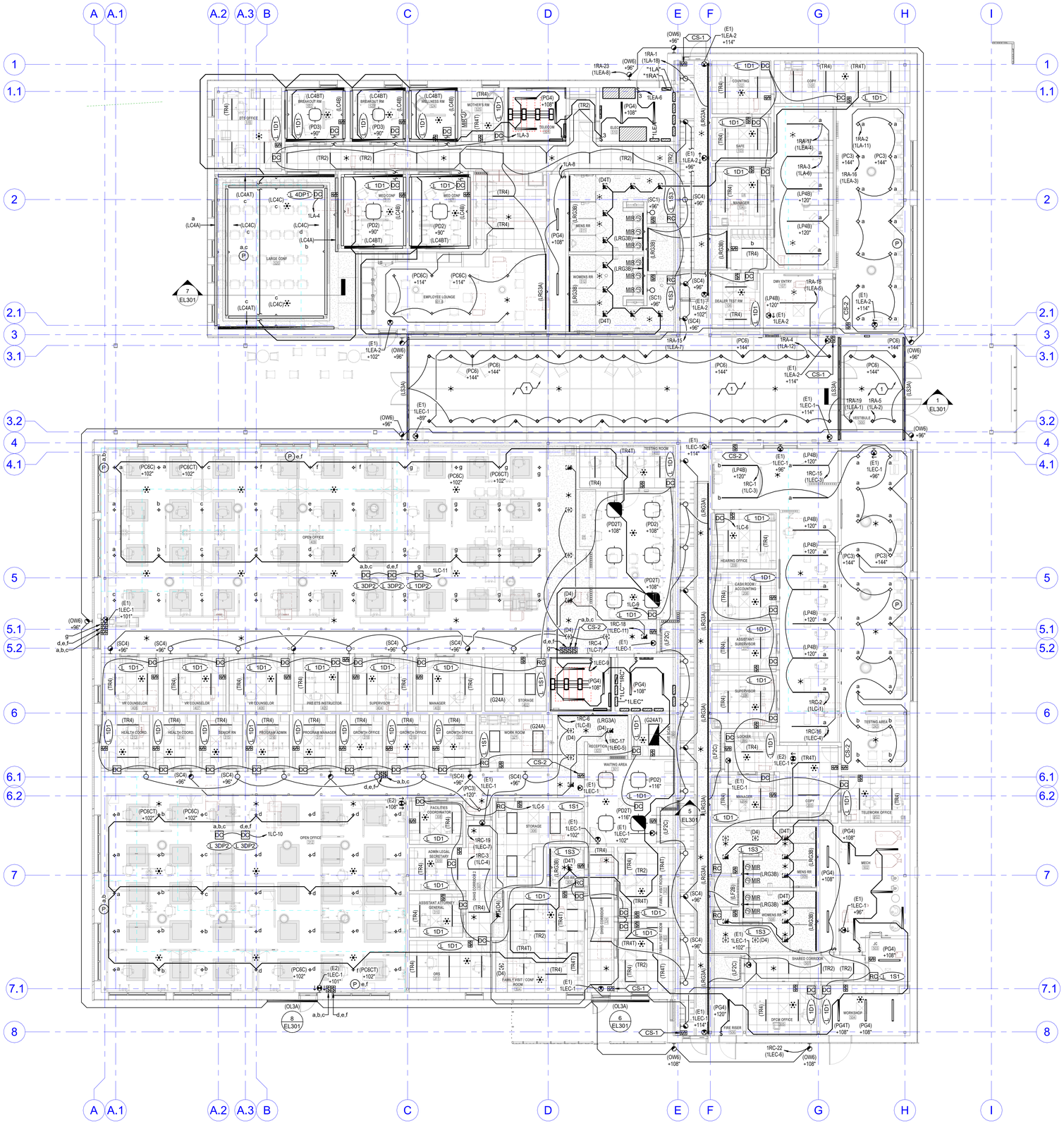

1 LEVEL 1 LIGHTING PLAN
SCALE: 1/8" = 1'-0"

NORTH

0 4' 8' 16'

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GENERAL SHEET NOTES

1 COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES ON THIS LEVEL WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. PRIOR TO ROUGH-IN. COORDINATE HEIGHTS OF ALL PENDANT MOUNT LIGHTS WITH ARCHITECTURAL CEILING HEIGHTS AND AV EQUIPMENT HEIGHTS. FIXTURE TAGS IN ROOMS WITH HEIGHTS FOR PENDANTS SHALL BE APPLIED TO ALL FIXTURES IN ROOM UNLESS NOTED OTHERWISE.

2 ALL EXPOSED CONDUITS ROUTED IN CEILING SHALL BE PAINTED TO MATCH CEILING.

3 ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN GRID CEILINGS SHALL BE INSTALLED CENTERED IN CEILING TILES AND/OR ALIGNED WITH OTHER FIXTURES WITHIN THE SAME PLANE AND CEILING SPACE.

4 LIGHTING CONTROL DIMMING AND ROOM CONTROLLER SHALL BE LOCATED AS FOLLOWS WHERE POSSIBLE UNLESS NOTED OTHERWISE. LOCATE ABOVE ACCESSIBLE CEILING NEAR THE DOOR THAT CONTROLLER SERVES BUT OUT OF THE PATH OF EGRESS. REFER TO DETAIL.

5 REFER TO EE701 FOR TYPICAL MOUNTING AND ALIGNMENT OF ELECTRICAL DEVICES.

6 ALLOW A MINIMUM OF 4" CLEARANCE ABOVE ALL CEILING MOUNTED RECESSED LIGHT FIXTURES. COORDINATE LOCATIONS AND LIGHT FIXTURE DEPTHS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.

7 REFER TO LIGHTING/SPACE CONTROL TYPE SCHEDULES FOR WIRING DIAGRAMS OF EACH SPACE.

8 CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.

9 CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MOUNTING HARDWARE ALONG WITH REQUIRED SEISMIC BRACING FOR EACH FIXTURE.

10 EXCEPTIONS HAVE BEEN TAKEN TO IECC 2021 C405.2.1.3 PER EXCEPTION #1 IN C405.2 FOR SECURITY REASONS IN CERTAIN SPACES SUCH AS DLD AND DMV.

11 PROVIDE LIGHTING MOCK UPS FOR ALL COVE LIGHTING, PENDANT LIGHTING, ACCENT LIGHTING, ART/WALL LIGHTING, EXTERIOR BENCH/SIGN/PATIO AND OTHER SIMILAR FIXTURES THROUGHOUT THE BUILDING FOR ARCHITECT APPROVAL PRIOR TO PROCEEDING WITH FULL INSTALLATION. MAKE ANY ADJUSTMENTS REQUIRED AS PART OF CONSTRUCTION PER ARCHITECT COMMENTS.

12 PROVIDE EMERGENCY TRANSFER DEVICE FOR ALL EMERGENCY FIXTURES TIED TO SEPARATE ROOM CONTROLLERS FOR TRANSFER FROM NORMAL POWER TO INVERTER ON LOSS OF POWER. PROVIDE UNSWITCHED EMERGENCY HOT CIRCUIT TO ALL LIGHT FIXTURES WITH EMERGENCY TRANSFERS TO ALLOW FOR POWER LOSS SENSING. SEE WIRING DIAGRAM.

13 CONTRACTOR SHALL PROVIDE WIRE SLACK TO ALL DOWNLIGHT FIXTURES.

14 EMERGENCY LIGHTING AND EXIT SIGN LOCATIONS MAY BE ADJUSTED OR ADDED PER AHJ REVIEW DURING CONSTRUCTION.

SHEET KEYNOTES

1 CONDUIT ROUTING IN THIS AREA IS REQUIRED TO PENETRATE THE MAIN CORRIDOR WALLS AS SHOWN IN EP201 FOR ALL CONDUIT ROUTING FOR EACH HALF OF THE BUILDING AND PENETRATE THROUGH THE WALLS TO RUN CONDUIT EAST AND WEST ONCE INSIDE OF THE OPEN CORRIDOR SPACE. CONDUIT SHALL RUN UP HIGH IN THE WEBBING OF THE DECK MATERIAL AND THEN DOWN TO EACH FIXTURE/DEVICE AT EACH LOCATION.

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STATE OF UTAH
05/26/2026

AHJ

REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 LIGHTING PLAN

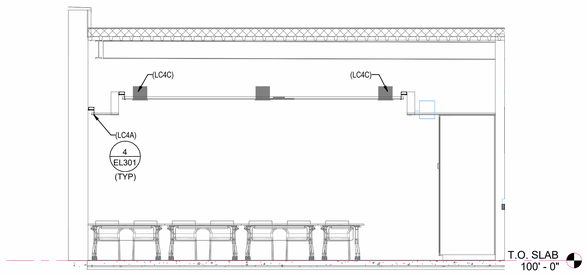
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

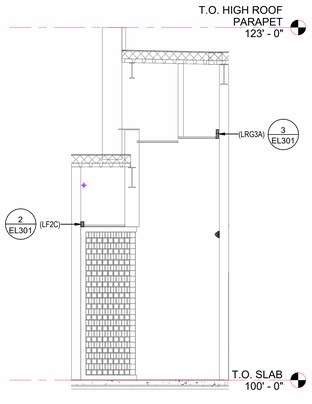
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

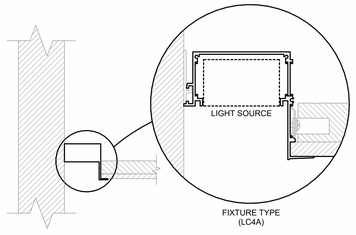
EL101



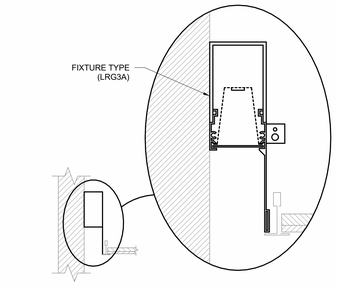
7 LARGE CONFERENCE COVE LIGHTING SECTION
SCALE: NTS



5 TYPICAL LINEAR COVE SECTION
SCALE: NTS



4 TYPICAL CEILING INTEGRATED LINEAR COVE DETAIL
SCALE: NTS



3 TYPICAL RECESSED LINEAR WITH 3" REGRESS COVE DETAIL
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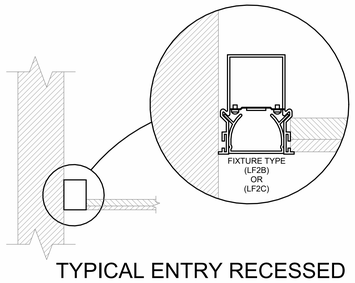

2 TYPICAL ENTRY RECESSED LINEAR COVE DETAIL
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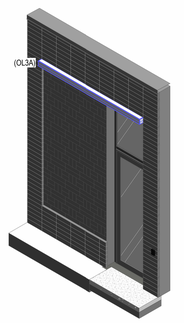
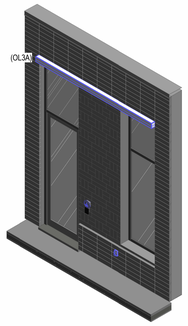


8 ENLARGED OPEN OFFICE 312 EXTERIOR EXIT LIGHTING ISOMETRIC
SCALE: NTS



6 ENLARGED DHHS CORRIDOR 324 EXTERIOR EXIT LIGHTING ISOMETRIC
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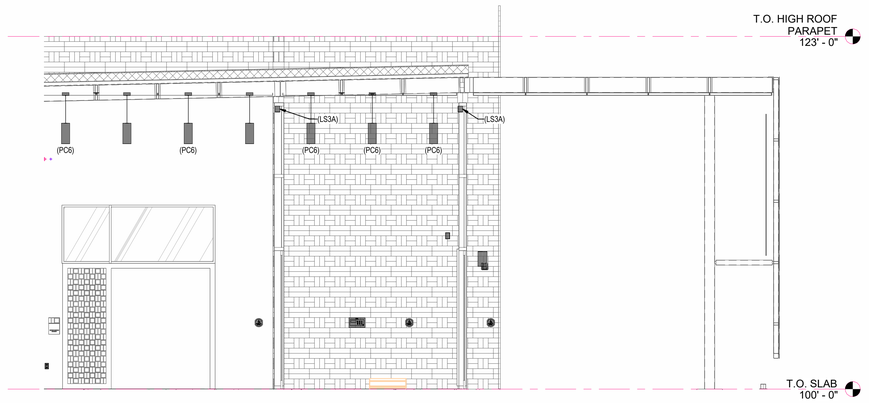

1 VESTIBULE LIGHTING SECTION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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ARCHITECT / CONSULTANT



AHJ



PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LIGHTING SECTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

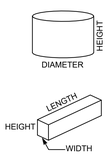
SHEET NUMBER:

EL301

INTERIOR LIGHTING FIXTURE SCHEDULE (CONTINUED)

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE				DRIVER			MANUFACTURER (CATALOG SERIES)
			DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	
(PD2)	DESCRIPTION: PENDANT, DECORATIVE ACOUSTIC CUBE MOUNTING: CEILING, PENDANT, SURFACE FINISH: SCBA OPTICS: - OPTIONS: LARGE EM: -	LENGTH: 34" DEPTH: 34" HEIGHT: 19"	1,000		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	8	LIGHTART (ACC-SHPE-CUBE-34SQ-X-X-STD-X-X-X-840CK-1000LM-FL-LV01) SABIN (QUD-L-DF)
(PD2T)	DESCRIPTION: PENDANT, DECORATIVE ACOUSTIC CUBE MOUNTING: CEILING, PENDANT, SURFACE FINISH: SCBA OPTICS: - OPTIONS: LARGE EM: EMERGENCY TRANSFER	LENGTH: 34" DEPTH: 34" HEIGHT: 19"	1,000		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	8	LIGHTART (ACC-SHPE-CUBE-34SQ-X-X-STD-X-X-X-840CK-1000LM-FL-LV01) SABIN (QUD-L-DF)
(PD3)	DESCRIPTION: PENDANT, DECORATIVE ACOUSTIC CUBE MOUNTING: CEILING, PENDANT, SURFACE FINISH: SCBA OPTICS: - OPTIONS: MEDIUM EM: -	LENGTH: 27" DEPTH: 427" HEIGHT: 15"	1,000		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	8	LIGHTART (ACC-SHPE-CUBE-27SQ-X-X-STD-X-X-X-840CK-1000LM-FL-LV01) SABIN (QUD-L-DF)
(PG4)	DESCRIPTION: STRIPLIGHT W/ROUND ACRYLIC LENS MOUNTING: CEILING, PENDANT, SURFACE FINISH: SCBA OPTICS: OPTIONS: EM:	LENGTH: 48" WIDTH: 4" DEPTH: 4"	5,000		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	41	LITHONIA (ZL1D-L48-5000LM-FST-MVOLT -40K-80CRI) METALUX (4SNLED) NULITE (SA-) COLUMBIA (MPS4) / HE WILLIAMS (75R) DAYBRITE (FSS)
(PG4T)	DESCRIPTION: STRIPLIGHT W/ROUND ACRYLIC LENS MOUNTING: CEILING, PENDANT, SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: EMERGENCY TRANSFER DEVICE	LENGTH: 48" WIDTH: 4" DEPTH: 4"	5,000		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	41	LITHONIA (ZL1D-L48-5000LM-FST-MVOLT -40K-80CRI) METALUX (4SNLED) NULITE (SA-) COLUMBIA (MPS4) / HE WILLIAMS (75R) DAYBRITE (FSS)
(SC1)	DESCRIPTION: VANITY SCONCE MOUNTING: WALL FINISH: SCBA OPTICS: - OPTIONS: - EM: -	HEIGHT: 18 1/2" WIDTH: 4 3/4" DEPTH: 3 1/16"	1,650		4000K	80	LED (0-10V DIMMING) 1%	120/277V	28	MODERN FORMS (LOFT WS-3618) OXYGEN (3-50111-15) SUNPARK (FL5524D)
(SC4)	DESCRIPTION: 4" CYLINDER MOUNTING: WALL FINISH: SCBA OPTICS: CLEAR REFLECTOR, MATTE DIFFUSE, MEDIUM DISTRIBUTION OPTIONS: EM: NONE	HEIGHT: 9" DIAMETER: 5.5" APERTURE: 4"	2,000		4000K	80	LED (0-10V DIMMING) 1%	120/277V	19	GOTHAM (EVO4WC) PORTFOLIO (LERWM4B) LIGHTOLIER (C4PDL) ALW (CRS4)
(TR2)	DESCRIPTION: T-BAR RECESSED LINEAR W/ REMOTE DRIVER MOUNTED ABOVE CEILING MOUNTING: RECESSED FINISH: SCBA OPTICS: ACRYLIC #THICK OPTIONS: LINEAR RUN, SEE DRAWINGS EM:	LENGTH: 24" WIDTH: 15/16" DEPTH: 2"	1,168		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	16	JLC TECH (TBSL-MW-2-X-D) ARCLUX (TB2) / SLG (TG-2) TRULY GREEN (TSPEC) SUNLITE (88789-SU)
(TR4)	DESCRIPTION: T-BAR RECESSED LINEAR W/ REMOTE DRIVER MOUNTED ABOVE CEILING MOUNTING: RECESSED FINISH: SCBA OPTICS: ACRYLIC #THICK OPTIONS: LINEAR RUN, SEE DRAWINGS EM:	LENGTH: 48" WIDTH: 15/16" DEPTH: 2"	2,336		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	32	JLC TECH (TBSL-MN-4-X-D-U) ARCLUX (TB4) SLG (TG-4) TRULY GREEN (TSPEC) SUNLITE (88795-SU)
(TR4T)	DESCRIPTION: T-BAR RECESSED LINEAR W/ REMOTE DRIVER MOUNTED ABOVE CEILING MOUNTING: RECESSED FINISH: SCBA OPTICS: ACRYLIC #THICK OPTIONS: LINEAR RUN, SEE DRAWINGS EM: EMEGENCY TRANSFER DEVICE	LENGTH: 48" WIDTH: 15/16" DEPTH: 2"	2,336		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	32	JLC TECH (TBSL-MN-4-X-D-U) ARCLUX (TB4) SLG (TG-4) TRULY GREEN (TSPEC) SUNLITE (88795-SU)

EXTERIOR LIGHTING FIXTURE SCHEDULE

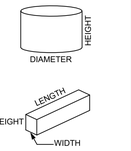


GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE					DRIVER			MANUFACTURER
			BUG RATING				COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	
			BACK	UP	GLARE	LUMENS						
(OB1)	DESCRIPTION: BOLLARD, DOWNWARD FACING LED MOUNTING: FLOOR FINISH: SCBA OPTICS: OPTIONS: EM: NONE	LENGTH: 48" WIDTH: 4" DEPTH: 4"	0	2	1	536	4000K	80	LED DRIVER	120/277V	15	LOUIS POULSEN (FLINDT) (CA ALLOWANCE (FIXTURE TO MATCH EXISTING FOR BUILDING): $2,070.00)
(OF1)	DESCRIPTION: GROUND MOUNTED FLOOD WITH VISOR MOUNTING: GROUND FINISH: SCBA OPTICS: NARROW SPOT DISTRIBUTION OPTIONS: CUTOFF SHIELD WIND RATING: -	LENGTH: 11" WIDTH: 6" DEPTH: 6"	-	-	-	3,456	4000K	80	LED DRIVER	120/277V	40	HE WILLIAMS (VF1-L35-7-40-NS-SR-277) INVUE (VFS) HUBBELL LTG (FML LED) LITHONIA (D SERIES)
(OF5)	DESCRIPTION: LANDSCAPE UPLIGHT MOUNTING: STAKE MOUNTED FINISH: BRONZE OPTICS: SOFT FOCUS DIFFUSE LENS OPTIONS: - WIND RATING: - EM: -	HEIGHT: 8 11/16" DIAMETER: 2 1/4"	-	-	-	565	4000K	90	LED DRIVER	120/277V	8	HEVI LITE LIGHTING (HL-369-BZ-8LED-E-FL-12-LA-4) ROC LIGHTING (FL-710)
(OL3A)	DESCRIPTION: LED LINEAR DIRECT MOUNTING: SURFACE FINISH: SCBA OPTICS: SATINE WET LENS WIND RATING: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 3 11/16" HEIGHT: 4 11/16"	-	-	-	500	4000K	80	LED DRIVER	120/277V	5	PINNACLE (EX3-WET-N-40-X-X-S-U)
(OT2)	DESCRIPTION: 120V LED NEON TAPE LIGHT MOUNTING: SURFACE MOUNTED IN RIGID CHANNEL FINISH: SCBA OPTICS: - OPTIONS: NEON LIGHT LENGTH TO BE VERIFIED WITH FINAL BENCH AND SIGN DESIGN. VERIFY EXACT LENGTH FOR ORDERING WITH ARCHITECTURAL DRAWINGS PRIOR TO RELEASE FOR PROCUREMENT. EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 0.67" DEPTH: 0.5"	-	-	-	400	4000K	80	LED DRIVER	120/277V	4	Q-TRAN (SW120/4.0-PPS-FT-WET-40-CL) OMNI LIGHT (HVR) TARGETTI USA (DL-HV)
(OW6)	DESCRIPTION: 6" CYLINDER MOUNTING: WALL FINISH: SCBA OPTICS:CLEAR REFLECTOR, MATTE DIFFUSE, MEDIUM DISTRIBUTION OPTIONS: WET LISTED EM: -	HEIGHT: 11.5" DIAMETER: 7" APERTURE: 6"	-	-	-	2,000	4000K	80	LED DRIVER	120/277V	20	GOTHAM (EVO6WC) PORTFOLIO (LERWM6B) LIGHTOLIER (C6PDL) HE WILLIAMS (W6CR) ALW (CRS6/WL)
(ZX1)	DESCRIPTION: SITE POLE LIGHT, SINGLE HEAD MOUNTING: POLE FINISH: SCBA OPTICS: TYPE IV DISTRIBUTION OPTIONS: OCCUPANCY SENSOR WIND RATING: 100 EM: -	LENGTH: 21.8" WIDTH: 13.3" DEPTH: 7" POLE HEIGHT: 20' - 0" BASE HEIGHT: 6"	2	0	2	14,000	4000K	80	LED DRIVER	120/277V	109	LITHONIA (RSX1-LED-P3-40K-R4-MVOLT) BEACON (VP1) LUMARK (PRV) NLS (NV-1)
(ZX2)	DESCRIPTION: SITE POLE LIGHT, DUAL HEAD MOUNTING: POLE FINISH: SCBA OPTICS: TYPE IV DISTRIBUTION OPTIONS: OCCUPANCY SENSOR WIND RATING: 100 EM: -	LENGTH: 32" WIDTH: 18" DEPTH: 7" POLE HEIGHT: 20' - 0" BASE HEIGHT: 6"	2	0	2	28,000	4000K	80	LED DRIVER	120/277V	218	LITHONIA (RSX1-LED-P3-40K-R3-MVOLT) BEACON (VP1) LUMARK (PRV) NLS (NV-1)

INTERIOR LIGHTING FIXTURE SCHEDULE



GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
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4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE		COLOR TEMP	CRI	DRIVER			MANUFACTURER (CATALOG SERIES)
			DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS			TYPE	VOLTAGE	WATTS	
(D4)	DESCRIPTION: 4" DOWNLIGHT MOUNTING: RECESSED, CEILING FINISH: SCBA OPTICS: CLEAR REFLECTOR, MATTE DIFFUSE OPTIONS: - EM: -	LENGTH: 12" WIDTH: 9" HEIGHT: 8" DIAMETER: 4"	1,500		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	15	LITHONIA (LDN4-40/15-L06-LSS-MVOLT-GZ10) PRESCOLITE (LTR-4RD) HALO (HC4) LIGHTOLIER (Z4RDL)
(D4T)	DESCRIPTION: 4" DOWNLIGHT MOUNTING: RECESSED, CEILING FINISH: SCBA OPTICS: CLEAR REFLECTOR, MATTE DIFFUSE OPTIONS: - EM: EMERGENCY TRANSFER DEVICE	LENGTH: 12" WIDTH: 9" HEIGHT: 8" DIAMETER: 4"	1,500		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	15	LITHONIA (LDN4-40/15-L06-LSS-MVOLT-GZ10) PRESCOLITE (LTR-4RD) HALO (HC4) LIGHTOLIER (Z4RDL)
(E1)	DESCRIPTION: EXIT SIGN, EDGE LIT, SINGLE SIDED MOUNTING: CEILING, WALL FINISH: SCBA OPTICS: OPTIONS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"			GREEN		LED	120/277V	5	ISOLITE (UEL) EVENLITE (SOV) EMERGENSEE (SEEXLRN) BARRON (S900U-RG) EVENLITE (TEXZ)
(E2)	DESCRIPTION: EXIT SIGN, EDGE LIT, DOUBLE SIDED MOUNTING: CEILING, WALL FINISH: SCBA OPTICS: OPTIONS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"			GREEN		LED	120/277V	5	ISOLITE (UEL) EVENLITE (SOV) EMERGENSEE (SEEXLRN) BARRON (S900U-RG) EVENLITE (TEXZ)
(G24A)	DESCRIPTION: RECESSED FLAT PANEL 2X4 MOUNTING: GRID, RECESSED FINISH: SCBA OPTICS: SATIN LENS OPTIONS: - EM: -	LENGTH: 48" WIDTH: 24" DEPTH: 3"	3,000		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	25	LITHONIA (CPX) METALUX (22FP) DAYBRITE (2FPZ) COLUMBIA (SRP22)
(G24AT)	DESCRIPTION: RECESSED FLAT PANEL 2X4 MOUNTING: GRID, RECESSED FINISH: SCBA OPTICS: SATIN LENS OPTIONS: - EM: EMERGENCY TRANSFER DEVICE	LENGTH: 48" WIDTH: 24" DEPTH: 3"	3,000		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	25	LITHONIA (CPX) METALUX (22FP) DAYBRITE (2FPZ) COLUMBIA (SRP22)
(LC4A)	DESCRIPTION: 4"X4" COVE LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 4 11/16" DEPTH: 4 9/16"	308		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	2	XAL LIGHTING (LENO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) AXIS LIGHTING (BASO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) **(FIXTURE IS PART OF ARMSTRONG AXIOM CEILING SYSTEM, COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR ADDITIONAL AND INSTALLATION REQUIREMENTS)
(LC4AT)	DESCRIPTION: 4"X4" COVE LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: EMERGENCY TRANSFER ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 4 11/16" DEPTH: 4 9/16"	308		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	2	XAL LIGHTING (LENO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) AXIS LIGHTING (BASO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) **(FIXTURE IS PART OF ARMSTRONG AXIOM CEILING SYSTEM, COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR ADDITIONAL AND INSTALLATION REQUIREMENTS)
(LC4B)	DESCRIPTION: 4"X4" COVE LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 4 11/16" DEPTH: 4 9/16"	225		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	2	XAL LIGHTING (LENO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) AXIS LIGHTING (BASO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) **(FIXTURE IS PART OF ARMSTRONG AXIOM CEILING SYSTEM, COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR ADDITIONAL AND INSTALLATION REQUIREMENTS)
(LC4BT)	DESCRIPTION: 4"X4" COVE LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: EMERGENCY TRANSFER ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 4 11/16" DEPTH: 4 9/16"	225		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	2	XAL LIGHTING (LENO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) AXIS LIGHTING (BASO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) **(FIXTURE IS PART OF ARMSTRONG AXIOM CEILING SYSTEM, COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR ADDITIONAL AND INSTALLATION REQUIREMENTS)
(LC4C)	DESCRIPTION: 4"X4" COVE LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: ASYMMETRIC OPTIONS: - EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 4 11/16" DEPTH: 4 9/16"	415		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	4	XAL LIGHTING (LENO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) AXIS LIGHTING (BASO - CONFIRM EXACT TYPE WITH ARMSTRONG AXIOM CEILING INTEGRATION) **(FIXTURE IS PART OF ARMSTRONG AXIOM CEILING SYSTEM, COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR ADDITIONAL AND INSTALLATION REQUIREMENTS)
(LF2B)	DESCRIPTION: 2" RECESSED LINEAR MOUNTING: FLANGE FINISH: SCBA OPTICS: SATIN LENS OPTIONS: - EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 2.25" DEPTH: 4"	750		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	7	PINNACLE (EV2D-A-840HO-4-U) LITECONTROL (3L-R-D) PRUDENTIAL LIGHTING (BPRO2-REC) FOCAL POINT (FSM2L) ALW (SP2.5R/F) AXIS (B2SQRLED)
(LF2C)	DESCRIPTION: 2" RECESSED LINEAR, FLANGE KIT MOUNTING: SURFACE FINISH: SCBA OPTICS: SATIN LENS OPTIONS: - EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 2.25" DEPTH: 4"	1,000		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	9	PINNACLE (EV2D-A-840VHO-4-U) LITECONTROL (3L-R-D) PRUDENTIAL LIGHTING (BPRO2-REC) FOCAL POINT (FSM2L) ALW (SP2.5R/F)
(LP4B)	DESCRIPTION: LINEAR LIGHT ROD MOUNTING: PENDANT FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 78" WIDTH: 1" DEPTH: 1"	4,714		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277	35	VIBIA (STICKS 7353/3M) LUMINART (L671674)
(LRG3A)	DESCRIPTION: 2" RECESSED LINEAR PERIMETER LIGHT MOUNTING: RECESSED FINISH: SCBA OPTICS: SATIN LENS OPTIONS: 3" REGRESS EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 2" DEPTH: 10-3/16"	390		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	4	PRUDENTIAL (BPRO2-PER-REG3-LED4-LO-X-X-NA-SAL-LP-SC-UNV-X3-DM01) MOJO (L62PER-D-500F-40K-010-M-XX-WH-XX'-R3)
(LRG3B)	DESCRIPTION: 2" RECESSED LINEAR PERIMETER LIGHT MOUNTING: RECESSED FINISH: SCBA OPTICS: SATIN LENS OPTIONS: 3" REGRESS EM: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 2" DEPTH: 10-3/16"	790		4000K	80	LED DRIVER (0-10V DIMMING) 10%	120/277V	8	PRUDENTIAL (BPRO2-PER-REG3-LED4-SO-X-X-NA-SAL-LP-SC-UNV-X3-DM01) MOJO (L62PER-D-500F-40K-010-M-XX-WH-XX'-R3)
(LS3A)	DESCRIPTION: LED LINEAR DIRECT MOUNTING: SURFACE FINISH: SCBA OPTICS: SATINE WET LENS WIND RATING: - ** VALUES ARE PER FOOT OR PER LAMP **	LENGTH: SEE PLANS WIDTH: 3 11/16" HEIGHT: 4 11/16"	500		4000K	80	LED DRIVER	120/277V	5	PINNACLE (EX3-WET-N-40-X-X-S-U)
(PC3)	DESCRIPTION: 4" PENDANT STEM CYLINDER MOUNTING: PENDANT FINISH: SCBA OPTICS: CLEAR REFLECTOR, MATTE DIFFUSE, MEDIUM WIDE DISTRIBUTION OPTIONS: EM: NONE	HEIGHT: 9" DIAMETER: 5.5" APERTURE: 4"	1,500		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	14	GOTHAM (EVO4PC) PORTFOLIO (LER4B) LIGHTOLIER (C4PDL) FOCAL POINT (FLCY3N-RD-7H) ALW (CRP3)
(PC6)	DESCRIPTION: LED CYLINDER PENDANT MOUNTING: PENDANT FINISH: SCBA OPTICS: DIRECT/INDIRECT OPTIONS: - EM: -	HEIGHT: 16 1/16" WIDTH: 6 1/2" APERTURE: 4 1/2"	1,983		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	29	HE WILLIAMS (6CRDI-TL-16-L10-840U-L20-840D)
(PC6C)	DESCRIPTION: 6" PENDANT STEM CYLINDER MOUNTING: PENDANT FINISH: SCBA OPTICS: CLEAR REFLECTOR, MATTE DIFFUSE, MEDIUM WIDE DISTRIBUTION OPTIONS: - EM: -	HEIGHT: 12" DIAMETER: 4" APERTURE: 4"	2,700		4000K	90	LED DRIVER (0-10V DIMMING) 1%	120/277V	30	ABOVE ALL LIGHTING (CCL6-12-20SP-SW-1-60-PSM) JESCO LIGHTING (CYL60)
(PC6CT)	DESCRIPTION: 4" PENDANT STEM CYLINDER MOUNTING: PENDANT FINISH: SCBA OPTICS: CLEAR REFLECTOR, MATTE DIFFUSE, MEDIUM WIDE DISTRIBUTION OPTIONS: - EM: EMERGENCY TRANSFER DEVICE	HEIGHT: 12" DIAMETER: 4" APERTURE: 4"	2,700		4000K	90	LED DRIVER (0-10V DIMMING) 1%	120/277V	30	ABOVE ALL LIGHTING (CCL6-12-20SP-SW-1-60-PSM)

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LIGHTING FIXTURE SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EL601

LIGHTING RELAY CONTROL CHANNELS

GENERAL NOTES:
1. PROGRAMMING OF SYSTEM SHALL COMPLY WITH CURRENT IECC REQUIREMENTS.
2. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
3. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
4. ALL SPARE RELAYS AND CHANNELS SHALL BE INCLUDED WITH ORIGINAL SYSTEM INSTALLATION.
5. UPON LOSS OF NORMAL POWER, ALL EMERGENCY LIGHTING RELAYS SHALL TURN ON TO 100% UNTIL NORMAL POWER IS RESTORED, THEN GO BACK TO STANDARD MODE.
**CHANNEL SHALL BE PROGRAMMED WITH 10 MINUTE WARNING PRIOR TO TURNING LIGHTS OFF BY BLINKING THE LIGHTS OFF/ON/OFF/ON.

CONTROL CHANNEL	CHANNEL DESCRIPTION	CHANNEL PROGRAMMING REQUIREMENTS
A	MAIN CORRIODR (IECC C405.2.1.4)**	SWEEP ON 6AM. OCCUPANCY TO REDUCE LIGHTING TO 50% AFTER 20 MIN. OCCUPANCY SENSOR IN AREA OR INTEGRAL TO FIXTURES ON SAME RELAY SHALL CONTROL EACH FIXTURE ON RELAY. SWEEP OFF AT 6PM. OCCUPANCY ON/OFF AFTER HOURS, 20MIN.
B	BACK OF HOUSE CORRIDORS (IECC C405.2.1.4)**	SWEEP ON 6AM. OCCUPANCY TO REDUCE LIGHTING TO 50% AFTER 20 MIN. OCCUPANCY SENSOR IN AREA OR INTEGRAL TO FIXTURES ON SAME RELAY SHALL CONTROL EACH FIXTURE ON RELAY. SWEEP OFF AT 6PM. OCCUPANCY ON/OFF AFTER HOURS, 20MIN.
C	OPEN OFFICES (IECC C405.2.2.1)**	MON-FRI 6AM-7PM, SAT-SUN OFF. OCCUPANCY ON/OFF AFTER HOURS, 20 MIN. OVERRIDE 2 HOURS ON.
D	OPEN PATRON AREAS (IECC C405.2.2.1)**	MON-FRI 7:30AM-5:30PM, SAT-SUN OFF. OCCUPANCY ON/OFF AFTER HOURS, 20 MIN. OVERRIDE 2 HOURS ON.
E	EXTERIOR ACCENT LIGHTING	TURN ON AND OFF 1 HOUR BEFORE AND AFTER CLOSING. VIA PHOTOCELL AND TIMECLOCK.
F	EXTERIOR WALKWAY LIGHTING	EXTERIOR PHOTOCELL ON/OFF. SWEEP OFF AT 10PM. SWEEP ON AT 6AM.
G	EXTERIOR PARKING LOT LIGHTING	EXTERIOR PHOTOCELL ON/OFF. SET BACK VIA OCCUPANCY AFTER 15 MINUTES TO 50%. FULL BRIGHT ON OCCUPANCY. SWEEP OFF AT MIDNIGHT. SWEEP ON AT 5AM.

LOW VOLTAGE OVERRIDE SWITCH SCHEDULE

1. COORDINATE INITIAL PROGRAMMING REQUIREMENTS AND SETTINGS WITH OWNER AND MODIFY PROGRAMMING, CONTROL TIMES, AND OPERATION AS DIRECTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS AS DIRECTED BY OWNER WITHIN THE FIRST 3 TO 6 MONTHS AFTER SUBSTATIAL COMPLETION AND BUILDING OCCUPANCY.
3. PROVIDE CUSTOMIZED PERMANENT BUTTON LABELING ON EACH OVERRIDE SWITCH. LABEL FOR EACH BUTTON SHALL CLEARLY INDICATE FUNCTION OF BUTTON OR ZONE SERVED.
4. PART NUMBERS SHOWN ARE BASED ON THE BASIS OF DESIGN MANUFACTURER NOTED.
5. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE FUNCTIONING LIGHITNG CONTROL SYSTEM MEETING ALL PROJECT REQUIREMENTS, DESIGN INTENT AND FEATURES/FUNCTIONS OF THE BASIS OF DESIGN PRODUCTS.
6. LIGHTING CONTROL PANEL SHALL EITHER BE FACTORY OR UL508 SHOP ASSEMBLED INCLUDING ALL REQUIRED COMPONENTS SUCH AS, BUT NOT LIMITED TO ENCLOSURE, POWER SUPPLIES, RELAYS, DIMMING MODULES, TERMINAL BLOCKS, SIGNAL INTERFACE, PROCESSOR, TIMECLOCK, WIRE MANAGEMENT, ETC. CONTRACTOR OR FIELD BUILT LIGHTING CONTROL PANELS WILL NOT BE PERMITTED.
7. THE LIGHTING CONTROL PANEL AND SEGMENT MANAGER MUST BE NETWORKED TOGETHER AND SHALL PROVIDE ALL FEATURES AND FUNCTIONS AVAILABLE TO THE LIGHTING CONTROL SYSTEM THROUGH THE NETWORK.

BUTTON	ZONE CONTROLLED	CONTROL DESCRIPTION	BUTTON ENGRAVING
CS-1			
1	MAIN CORRIDOR	OVERRIDE ON 2 HOURS	YES - "MAIN CORR"
2	BACK OF HOUSE CORRIDORS	OVERRIDE ON 2 HOURS	YES - "BOH CORR"
3	EXTERIOR LIGHTING	OVERRIDE ON 2 HOURS	YES - "EXTERIOR"
4	SPARE	AS DIRECTED BY OWNER	-
CS-2			
1	OPEN OFFICE	OVERRIDE ON 2 HOURS	YES - "ON"
2	OPEN OFFICE	NO PROGRAM	CONFIRM WITH OWNER IF DESIRED TO INSTALL

LIGHTING RELAY PANEL "1RA"

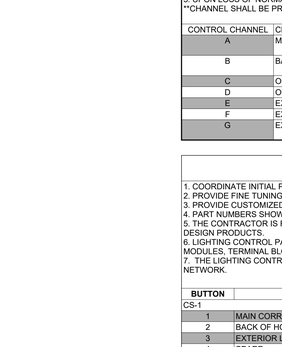
LOCATION: ELEC 510 — MOUNTING: SURFACE — ENCLOSURE: NEMA 1

RELAY	DIMMING	PANEL CIRCUIT	DESCRIPTION	CONTROL CHANNEL	LOAD (WATTS)						CONTROL CHANNEL	DESCRIPTION	PANEL CIRCUIT	DIMMING	RELAY
1	YES	**1LA-18**	LTG CORRIDORS NE	B	568	154					D	LTG DMV WAITING	**1LA-11**	YES	2
3	YES	**1LA-6**	LTG DMV STATIONS	C			106	180			A	LTG ENTRY LOBBY	**1LA-12**	YES	4
5	YES	**1LA-2**	LTG VESTIBULE	A					90	80	F	LTG FLAG POLE SITE	**1LA-5**	YES	6
7	YES	**1LA-1**	LTG SCULPTURE SITE	F	72	260					E	LTG BENCH SITE NE	**1LA-17**	YES	8
9	YES	**1LA-7**	LTG BENCH SITE NW	E			208	0			--	SPARE	--	--	10
11	--	--	SPARE	--					0	0	--	SPARE	--	--	12
13	--	--	SPARE	--	0	0					--	SPARE	--	--	14
15	YES	**1LEA-7**	EM LTG NW CORRIDORS	B			147	42			D	EM LTG DMV WAITING	**1LEA-3**	YES	16
17	YES	**1LEA-4**	EM LTG DMV STATIONS	C					100	35	A	EM LTG ENTRY LOBBY	**1LEA-5**	YES	18
19	YES	**1LEA-1**	EM LTG VESTIBULE	A	0	160					F	E M LTG BOLLARD SITE NE	**1LEA-9**	YES	20
21	YES	**1LEA-11**	EM LTG BOLLARDS SITE NW	F			240	436			G	EM LTG PARKING SITE NE	**1LEA-9**	YES	22
23	YES	**1LEA-8**	EM LTG BLDG EXITS NORTH	F					80	0	--	SPARE	--	--	24

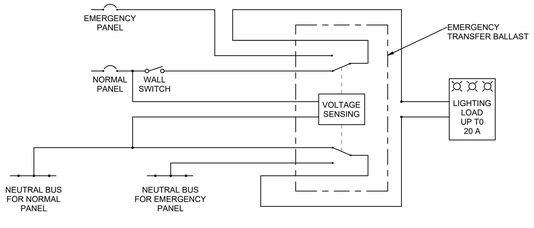
LIGHTING RELAY PANEL "1RC"

LOCATION: ELEC. 528 — MOUNTING: SURFACE — ENCLOSURE: NEMA 1

RELAY	DIMMING	PANEL CIRCUIT	DESCRIPTION	CONTROL CHANNEL	LOAD (WATTS)						CONTROL CHANNEL	DESCRIPTION	PANEL CIRCUIT	DIMMING	RELAY
1	YES	**1LC-3**	LTG DLD WAITING	D	316	105					C	LTG DLD STATIONS	**1LC-1**	YES	2
3	YES	**1LC-4**	LTG MAIN CORRIDOR	B			872	155			C	LTG DWS OFFICE	**1LC-7**	YES	4
5	YES	**1LC-2**	LTG BENCH SITE SE	E					260	208	C	LTG DCFS OFFICE	**1LC-8**	YES	6
7	--	--	SPARE	--	0	0					--	SPARE	--	--	8
9	--	--	SPARE	--			0	0			--	SPARE	--	--	10
11	--	--	SPARE	--					0	0	--	SPARE	--	--	12
13	--	--	SPARE	--	0	0					--	SPARE	--	--	14
15	YES	**1LEC-3**	EM LTG DLD WAITING	D			105	106			C	EM LTG DLD STATIONS	**1LEC-4**	YES	16
17	YES	**1LEC-5**	EM LTG DCFS OFFICE	C					87	102	C	EM LTG DWS OFFICE	**1LEC-11**	YES	18
19	YES	**1LEC-7**	EM LTG MAIN CORRIDOR	B	200	240					F	EM LTG BOLLARD SITE SE	**1LEC-8**	YES	20
21	YES	**1LEC-2**	EM LTG PARKING SITE SE	G			981	160			F	EM LTG BLDG EXITS SOUTH	**1LEC-6**	YES	22
23	--	--	SPARE	--					0	0	--	SPARE	--	--	24



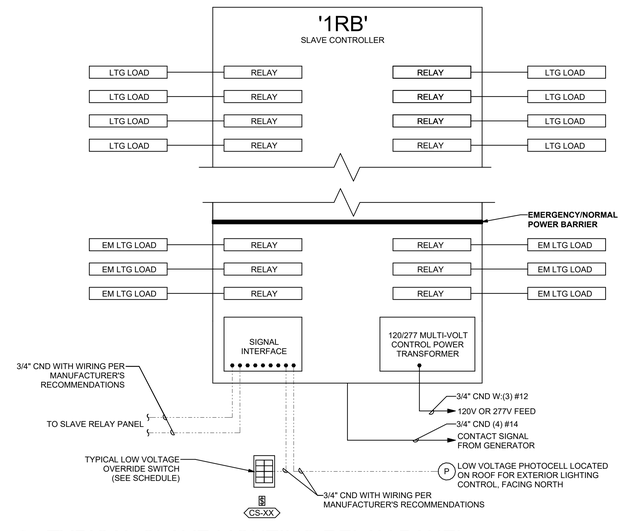
4 NETWORKED LIGHTING CONTROL RISER DIAGRAM
SCALE: NTS



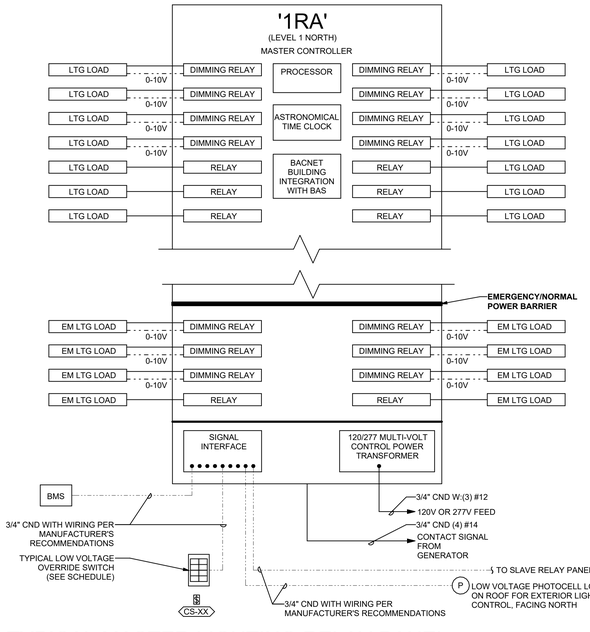
NORMAL OPERATION
LIGHTING LOAD CONTROLLED BY LOCAL SWITCHING MEANS.

EMERGENCY OPERATION
LIGHTING LOAD IS INDEPENDENT OF LOCAL SWITCHING MEANS.

3 EMERGENCY LIGHTING TRANSFER DEVICE DETAIL
SCALE: NTS



2 TYPICAL SLAVE LIGHTING RELAY PANEL
SCALE: 1/8" = 1'-0"



1 TYPICAL MASTER LIGHTING RELAY PANEL
SCALE: NTS

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LIGHTING RELAY DIAGRAMS & SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EL602

LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND

- LINE VOLTAGE WIRING
- 0-10V WIRING
- CAT5E CABLING
- WIRING BY OTHERS
- TMP SEGMENT NETWORK CABLING

APPROVED MANUFACTURERS

1. WATTSTOPPER (BASIS OF DESIGN)
2. NLIGHT
3. COOPER LIGHTING
4. SENSORWORX

LIGHTING CONTROL ID

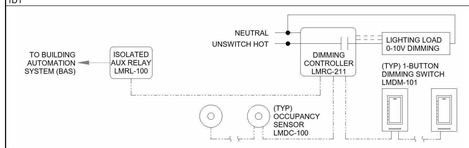
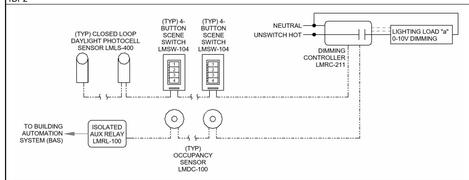
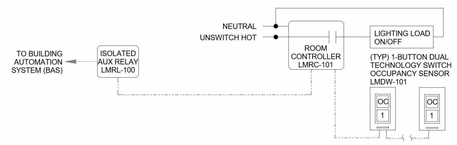
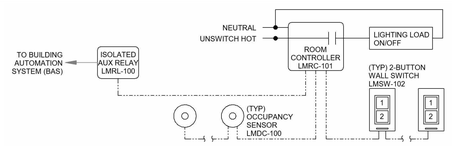
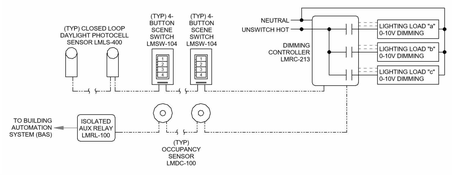
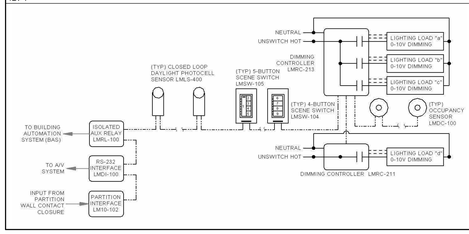
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

GENERAL NOTES

1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER.
4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.

GENERAL NOTES

5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES.
6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS.
7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM.
8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	-	
1DP2		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS-PRESE T - ON,	FUNCTION: PRESS-PRESE T - OFF	FUNCTION: PRESS-SELEC T ZONE "a" - DIM UP	FUNCTION: PRESS-SELEC T ZONE "a" - DIM DOWN	-	-	-	-	-	
1S1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNTION: PRESS-ON PRESS-OFF LABEL ID:"ON/OFF"	-	-	-	-	-	-	-	-	-	
1S3		MANUAL OR OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS-ON LABEL ID: "ON"	FUNCTION: PRESS-OFF LABEL ID: "OFF"	-	-	-	-	-	-	-	-	
3DP2		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS-PRESE T - ON,	FUNCTION: PRESS-PRESE T - OFF	FUNCTION: PRESS-SELEC T ZONE "a", ZONE "b", ZONE "c" - DIM UP	FUNCTION: PRESS-SELEC T ZONE "a", ZONE "b", ZONE "c" - DIM DOWN	-	-	-	-	-	
4DP1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE PRESS BOTTOM-OFF, HOLD BOTTOM-LOW ER LABEL ID: TOP- "ONRAISE" BOTTOM-"OFF/ LOWER"	FUNCTION: PRESS-SELEC T ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELEC T ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	FUNCTION: PRESS-SELEC T ZONE "c" FOR DIMMING LABEL ID: "ZONE c"	FUNCTION: PRESS-SELEC T ZONE "d" FOR DIMMING LABEL ID: "ZONE d"	FUNCTION: PRESS-PRESE T SCENE #01 ZONE "a" 75% ZONE "b" 75% ZONE "c" 75% ZONE "d" 75% LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESE T SCENE #02 ZONE "a" 50% ZONE "b" 50% ZONE "c" 50% ZONE "d" 50% LABEL ID: "PRE #2"	FUNCTION: PRESS-PRESE T SCENE #03 ZONE "a" 0% ZONE "b" 100% ZONE "c" 100% ZONE "d" 0% LABEL ID: "PRE #3"	FUNCTION: PRESS-PRESE T SCENE #04 ZONE "a" 0% ZONE "b" 50% ZONE "c" 50% ZONE "d" 100% LABEL ID: "PRE #4"	MODE 1-ROOM OPERATE INDIVIDUALLY MODE 2-ROOMS OPERATE COMBINED, AV INTEGRATION REQUIRED, PARTITION SENSING REQUIRED

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LIGHTING CONTROL SCHEDULES

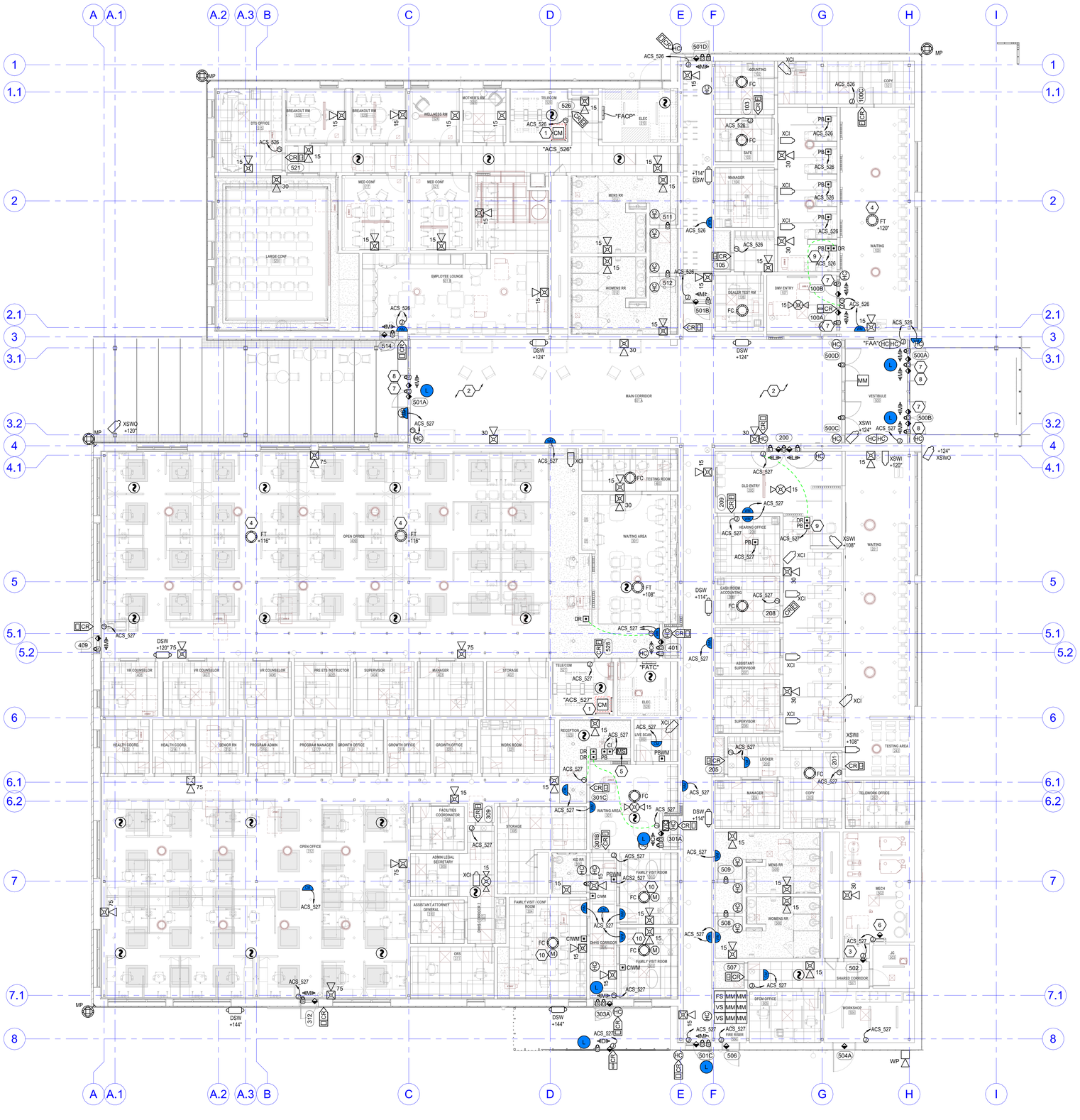
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EL603



1 LEVEL 1 AUXILIARY PLAN
SCALE: 1/8" = 1'-0"

NORTH

0 4" 8" 16'

5/21/2026 3:56:15 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/250360-Elec Central_NEW.rvt

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GENERAL SHEET NOTES - SECURITY

1 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINTED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.

2 SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.

3 ACCESS CONTROL CABLING TO BE PLENUM RATED.

4 SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.

5 SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.

6 PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.

7 SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.

8 COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

GENERAL SHEET NOTES - FIRE ALARM

1 FIRE ALARM NOTIFICATION DEVICES SHALL BE ADJUSTED AS REQUIRED TO PROVIDE PROPER COVERAGE AND SOUND LEVELS.

2 ALL FIRE ALARM DEVICES SHALL BE MOUNTED SUCH THAT THEY ARE VISIBLE FROM THE GROUND AND EASILY ACCESSIBLE FOR MAINTENANCE.

3 CORRIDOR SMOKE DETECTOR SPACING SHALL NOT EXCEED 30FT ON CENTER.

4 ALL CEILING MOUNTED DEVICES SHALL BE LOCATED IN THE CENTER OF CEILING TILES AND ALIGNED WITH ALL OTHER CEILING MOUNTED DEVICES.

SHEET KEYNOTES

1 PROVIDE FIRE ALARM CONTROL MODULE FOR THE SECURITY ACCESS CONTROL SYSTEM (ACS) PANEL.

2 CONDUIT ROUTING IN THIS AREA IS REQUIRED TO PENETRATE THE MAIN CORRIDOR WALLS AS SHOWN IN EP201 FOR ALL CONDUIT ROUTING FOR EACH HALF OF THE BUILDING AND PENETRATE THROUGH THE WALLS TO RUN CONDUIT EAST AND WEST ONCE INSIDE OF THE OPEN CORRIDOR SPACE. CONDUIT SHALL RUN UP HIGH IN THE WEBBING OF THE DECK MATERIAL AND THEN DOWN TO EACH FIXTURE/DEVICE AT EACH LOCATION.

3 ALERT TO PHONE IF OPENED

4 SECURITY CONTRACTOR TO PROVIDE LENGTH OF PIPE REQUIRED TO MEET MOUNTING HEIGHT.

5 COORDINATE MOUNTING LOCATION OF INTERCOM MASTER STATION WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

6 ROOF HATCH MONITORED BY DOOR CONTACT.

7 DOOR ACCESS MANAGED BY OPERATIONAL HOURS. COORDINATE PROGRAMMED SCHEDULE WITH OWNER.

8 SECURITY CONTRACTOR TO COORDINATE WITH OWNER ON WHICH LEAF GETS SECURITY HARDWARE

9 ACTIVATION OF PANIC BUTTON TO ALSO ALERT NEIGHBORING POLICE BUILDING

10 CAMERAS ARE FOR PRIVATE MONITORING OF INDIVIDUAL ROOMS. CLIENT VIEWING SOFTWARE TO BE INSTALLED ON OWNER SELECTED MACHINE FOR OBSERVING INTERVIEWS.

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 AUXILIARY PLAN

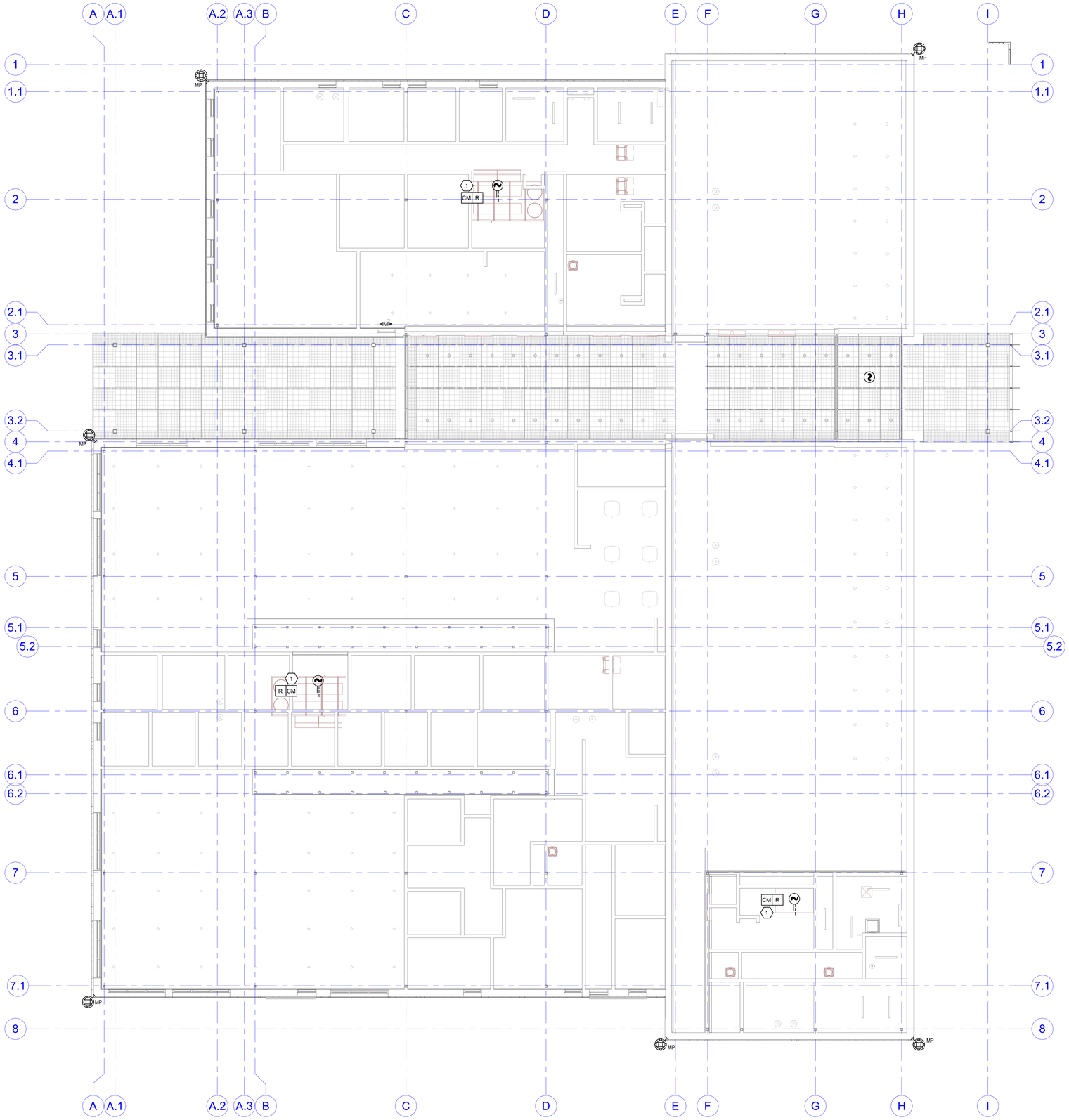
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA, PSS, SKY**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EY101



1 ROOF AUXILIARY PLAN
SCALE: 1/8" = 1'-0"

NORTH

0 4' 8' 16'

GENERAL SHEET NOTES - SECURITY

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7 SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.

8 COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

GENERAL SHEET NOTES - FIRE ALARM

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3 CORRIDOR SMOKE DETECTOR SPACING SHALL NOT EXCEED 30FT ON CENTER.

4 ALL CEILING MOUNTED DEVICES SHALL BE LOCATED IN THE CENTER OF CEILING TILES AND ALIGNED WITH ALL OTHER CEILING MOUNTED DEVICES.

SHEET KEYNOTES

1 CONTROL MODULE FIRE ALARM SIGNAL TO ATC PANEL FOR FAN SHUTDOWN.

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

ROOF AUXILIARY PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **WDA, PSS, SKY**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

SHEET NUMBER:

EY102

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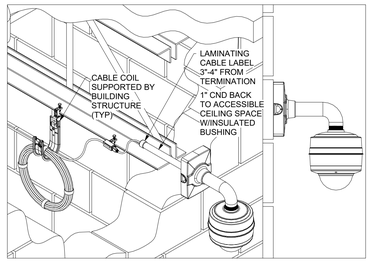

10 CAMERA MOUNTING DETAIL (SURFACE-MOUNT-EXT)
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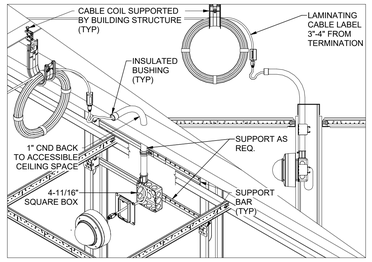

8 CAMERA MOUNTING DETAIL (WALL)
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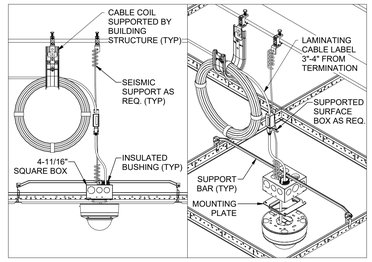

6 CAMERA MOUNTING DETAIL (T-BAR)
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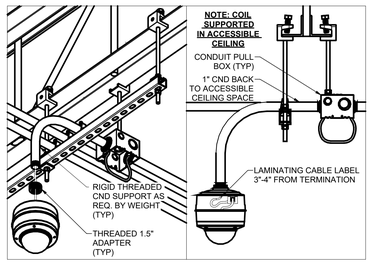

9 CAMERA MOUNTING DETAIL (OPEN-CEILING)
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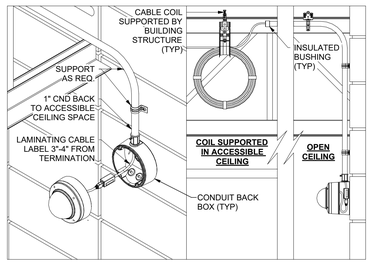

7 CAMERA MOUNTING DETAIL (SURFACE-MOUNT)
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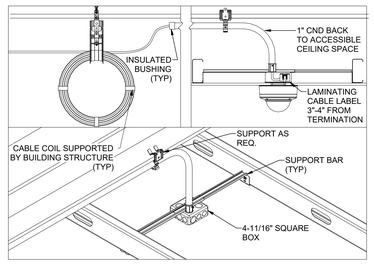
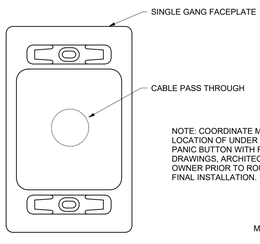
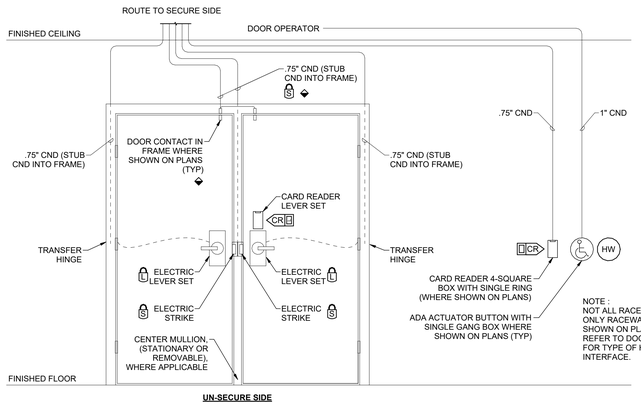


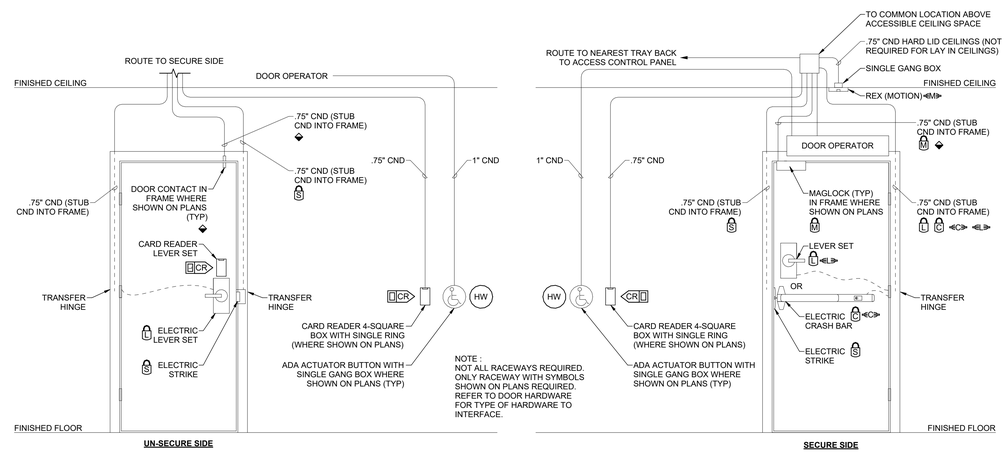
5 CAMERA MOUNTING DETAIL (HARD-LID)
SCALE: NTS



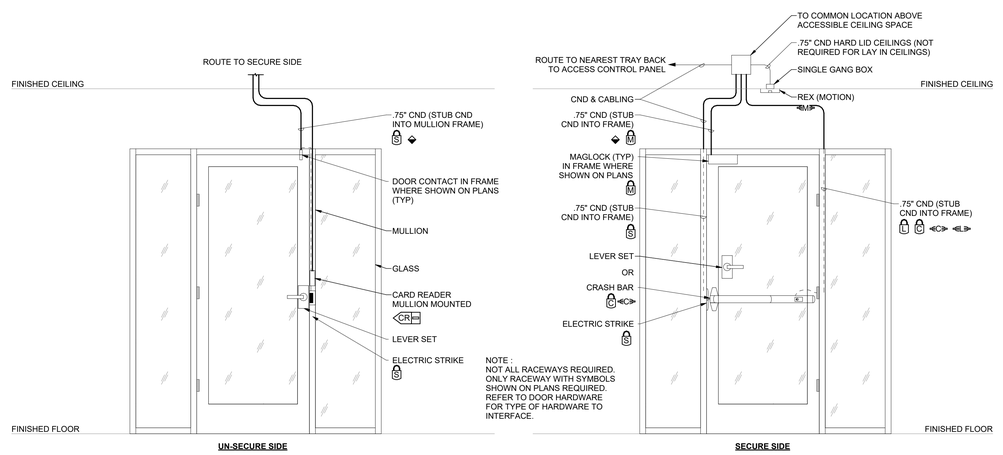
PANIC BUTTON ROUGH-IN DETAIL - UNDER DESKTOP TO CEILING
4
SCALE: NTS



3 DOUBLE DOOR ROUGH IN DETAIL TYPICAL
SCALE: NTS



2 SINGLE DOOR ROUGH IN DETAIL TYPICAL
SCALE: NTS



1 SINGLE DOOR MULLION MOUNTED DETAIL
SCALE: NTS

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DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS. DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF MISAPPROPRIATION IN VIOLATION OF 17-22-2-3 ET. SEQ. AND OTHER LAWS.

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AUXILIARY DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

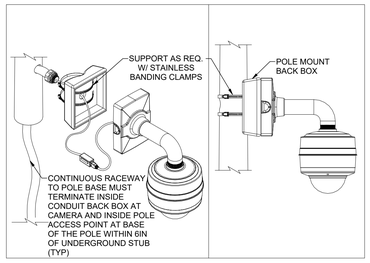
ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **PSS, SKY**
CHECKED BY: **STA**
PROJECT#: **2023-41**

SHEET NUMBER:

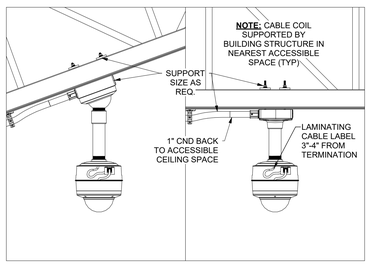
EY551



7 STATION PATCH PANEL, SPP1, TYPICAL
SCALE: NTS



3 CAMERA MOUNTING DETAIL (POLE-MOUNT)
SCALE: NTS



2 CAMERA MOUNTING DETAIL (TRUSS)
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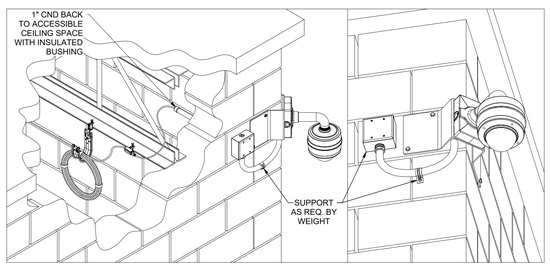
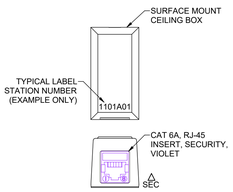
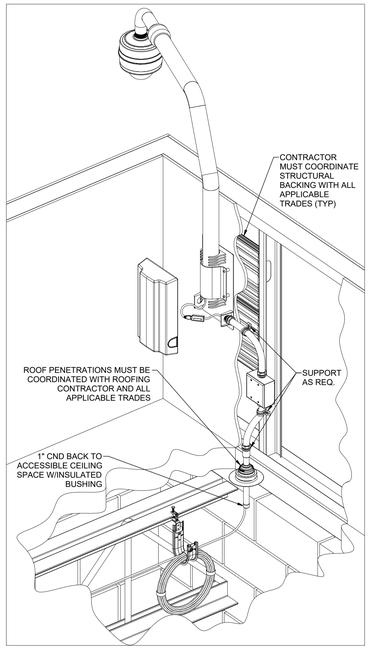


NOTE:
1. REFER TO DIVISION 27 SCHEDULES, NOTES, AND DRAWINGS FOR CABLE AND TERMINATION TYPE. REFER TO CAMERA SCHEDULE FOR CAMERA TYPE AND INFORMATION.

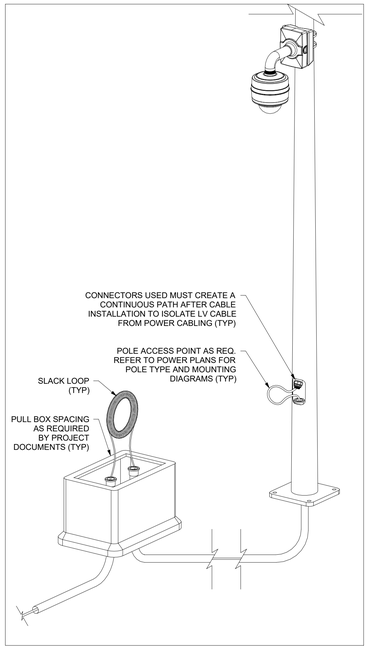
1 CAMERA MOUNTING DETAIL (EXT-CORNER)
SCALE: NTS



6 TYPICAL 1-DROP CEILING DATA CAMERA DETAIL
SCALE: NTS



5 CAMERA MOUNTING DETAIL (PARAPET)
SCALE: NTS



4 CAMERA MOUNTING DETAIL (CAMERA POLE)
SCALE: NTS

5/21/2026 3:54:22 PM Autodesk Docs://2023-41 DFCM Richfield Regional Center/250360-Elec Central_NEW.rvt
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05/26/2026
Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AUXILIARY DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **PSS, SKY**
CHECKED BY: **STA**
PROJECT#: **2023-41**

SHEET NUMBER:

EY552

GENERAL SHEET NOTES

1 PLANS ARE BASED UPON 99 MONITOR AND CONTROL DEVICES PER ADDRESSABLE LOOP. OTHER CONFIGURATIONS ARE ACCEPTABLE SUBJECT TO CONTRACTOR ALLOWING FOR INCREASED WIRING REQUIREMENTS AND SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION. MAXIMUM INITIAL DEVICES PER LOOP SHALL NOT EXCEED 75% MAXIMUM ALLOWABLE.

2 PLANS ARE BASED UPON THE WIRING SCHEDULE SHOWN. WHERE MANUFACTURER'S REQUIREMENTS EXCEED REQUIREMENTS SHOWN, INCLUDE ADDITIONAL ASSOCIATED COSTS AND SUBMITTAL DRAWINGS INDICATING NEW WIRING CONFIGURATION.

3 PLANS ARE BASED UPON 2 AMPS AT 24 VDC, NOT TO EXCEED 75% (1.50 AMPS AVAILABLE), POWER SUPPLY CAPACITY PER NOTIFICATION CIRCUIT. NOTIFICATION DEVICE LOADS ARE BASED UPON NOTIFICATION DEVICE SCHEDULE SHOWN. INCLUDE ADDITIONAL ASSOCIATED COSTS FOR INCREASED WIRING AND POWER SUPPLY CAPACITY IF LOADS OF ACTUAL DEVICES PROVIDED EXCEED CIRCUIT CAPACITY, OR IF LOAD OUTPUT OF ACTUAL POWER SUPPLIES PROVIDED IS SIZED DIFFERENTLY. PROVIDE SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION.

4 FLOW AND TAMPER CONFIGURATION BASED UPON FIRE SPRINKLER DESIGN CONCEPT. FIELD VERIFY ACTUAL REQUIREMENTS. INCLUDE ANY ADDITIONAL MONITOR MODULES REQUIRED BY ACTUAL DESIGN REQUIREMENTS.

5 HEAT DETECTORS WHEN INSTALLED IN ELEVATOR SHAFTS OR MECHANICAL ROOMS FOR ELEVATOR SHUT DOWN SHALL HAVE HEAT DETECTOR WITH LOWER RESPONSE TIME INDEX THAN SPRINKLER HEAD.

6 PROVIDE POWER SUPPLY CAPACITY AS REQUIRED FOR DOOR HOLD OPENS SHOWN.

7 BATTERY CAPACITY TO BE ADEQUATE TO OPERATE 15 MINUTES AFTER 24 HOURS PLUS 25% SPARE CAPACITY.

8 VFD REQUIRES TWO RELAYS, ONE FOR SMOKE CONTROL, ONE SPARE.

9 RUN SPARE LOOPS IN SAME CONDUIT. DO NOT EXCEED 40% AREA FILL OF CONDUITS.

10 PROVIDE DUCT DETECTORS FOR SUPPLY AND RETURN AIR SYSTEMS OVER 2000 CFM. INSTALL DUCT DETECTORS PER NFPA 72 REQUIREMENTS AND PROVIDE ADDITIONAL DUCT DETECTORS DEPENDING UPON FINAL DUCT ARRANGEMENT.

11 PROVIDE DUCT DETECTOR AT EACH FLOOR, PRIOR TO CONNECTION TO A COMMON RETURN AND PRIOR TO RECIRCULATING OR FRESH AIR INLET IN AIR RETURN SYSTEMS OVER 15,000 CFM CAPACITY AND SERVING MORE THAN ONE STORY.

12 PROVIDE MANUAL PULL STATIONS IN BOILER ROOMS AND KITCHENS.

13 PROVIDE ONE YEAR OFF SITE MONITORING INCLUDING ALL INTERFACE DEVICES AND MONITORING CHARGES. COORDINATE WITH BUILDING OWNER'S OFF SITE MONITORING COMPANY.

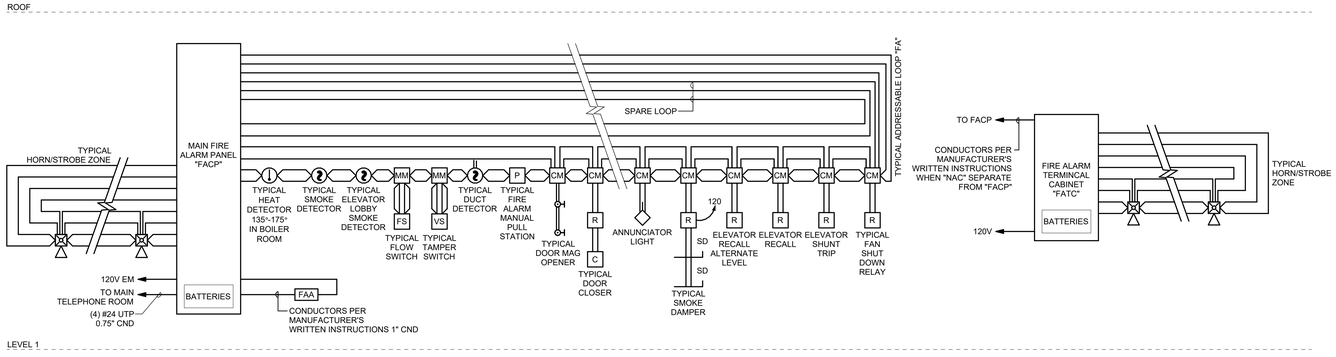
14 LOCATE SMOKE DETECTORS MINIMUM 3' FROM AIR SUPPLY AND RETURN LOUVERS.

15 PROVIDE SYNCHRONIZED STROBES THROUGHOUT FACILITY. PROVIDE SYNCHRONIZATION MODULES PER MANUFACTURER'S REQUIREMENTS. INCLUDE ADDITIONAL WIRING, IF REQUIRED.

16 INITIATING AND INDICATING LOOPS SHALL NOT SERVE AN AREA OF GREATER THAN 22,500 SQUARE FEET. PROVIDE ADDITIONAL LOOPS FOR AREAS LARGER THAN THIS.

17 ALL OUTPUT DEVICES ARE DESIGNED ON SYSTEMS WITH 2 AMP POWER SUPPLY.

18 HORN/STROBE BASED ON 120 MILLIAMPS, DOOR HOLDERS BASED ON 70 MILLIAMPS.



1 FIRE ALARM RISER
SCALE: NTS

NOTIFICATION SCHEDULE

SYMBOL	STROBE SIZE	COVERAGE	AVERAGE CURRENT	MAXIMUM PER CIRCUIT ALONE
15	15 CD	20'x20'	.085A	17
30	30 CD	30'x30'	.135A	11
75	75 CD	40'x40'	.200A	7
110	110 CD	50'x50'	.225A	6

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05/26/2026
Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

FIRE ALARM RISER DIAGRAMS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
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DRAWN BY: **WDA**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

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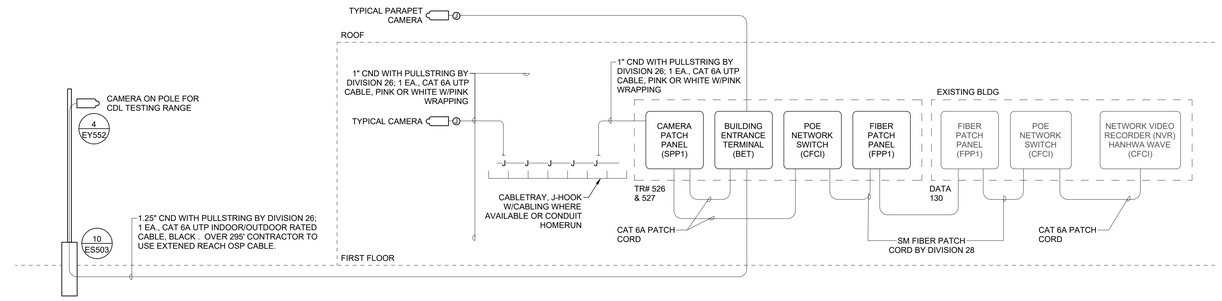
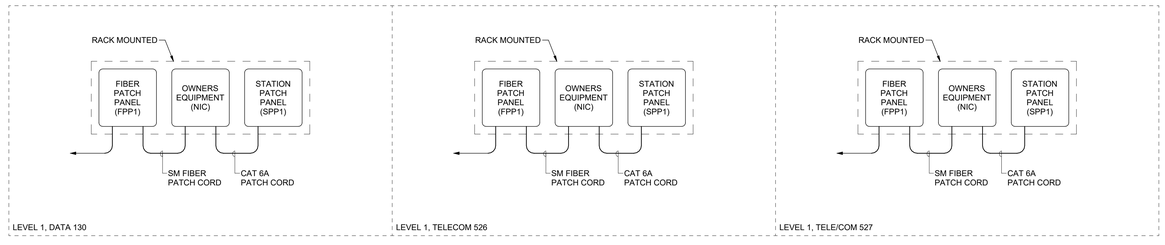
GENERAL SHEET NOTES

1. DRIVERS LICENSE DIV CAMERAS ARE TO BE RECORDED AND VIDEO STORED FOR A MINIMUM OF 90 DAYS ALL OTHER CAMERAS ARE TO BE RECORDED AND VIDEO STORED FOR A MINIMUM OF 30 DAYS.



2 CCTV ROUGH-IN RISER DIAGRAM W/CABLING

SCALE: NTS



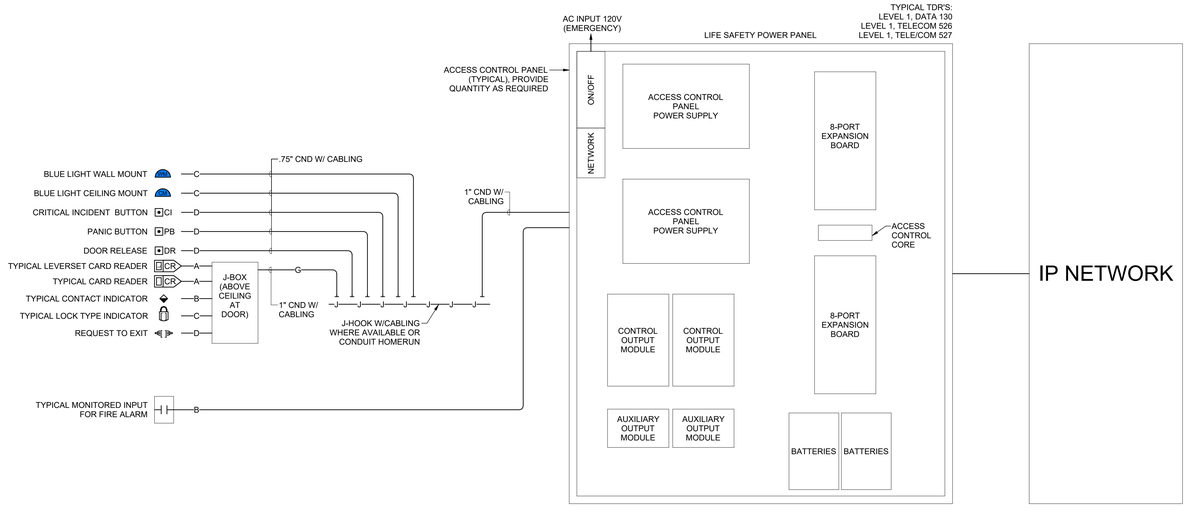
GENERAL DIVISION OF WORK

CARD READERS -	BY DIVISION 26/28
CONTACT INDICATORS @ DOOR -	BY DIVISION 28
ACCESS CONTROL SYSTEM -	BY DIVISION 26/28
DOOR POWER SUPPLIES @ DOOR -	BY DIVISION 8
DOOR POWER SUPPLIES @ CONTROL PANEL -	BY DIVISION 26/28
RACEWAYS -	BY DIVISION 26/28
CABLING -	BY DIVISION 26/28
ELECTRIFIED DOOR HARDWARE -	BY DIVISION 8
ADA OPERATORS -	BY DIVISION 8
REX (MOTION SENSORS) -	BY DIVISION 28
REX (IN DOOR HARDWARE) -	BY DIVISION 8

ACCESS CONTROL SYSTEM CONDUIT AND CABLING SCHEDULE

A	0.75" CND W/ (1) #22/6 TWSP (OSDP)*	G: 1" CND W/ COMPOSITE CABLE (MULTI)
B	0.75" CND W/ (1) #22/2 TWP	
C	0.75" CND W/ (1) #18/4 TWP	
D	0.75" CND W/ (1) #22/4 TWP	
E	0.75" CND W/ (1) #18/4 TWP OVERALL SHIELD (OSDP)*	

* CONTRACTOR TO SELECT THE CABLE FOR PROTOCOL THAT IS APPLICABLE TO THIS PROJECT.



1 ACCESS CONTROL RISER DIAGRAM

SCALE: NTS

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05/26/2026
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AUXILIARY RISER DIAGRAMS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

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DRAWN BY: **PSS, SKY**
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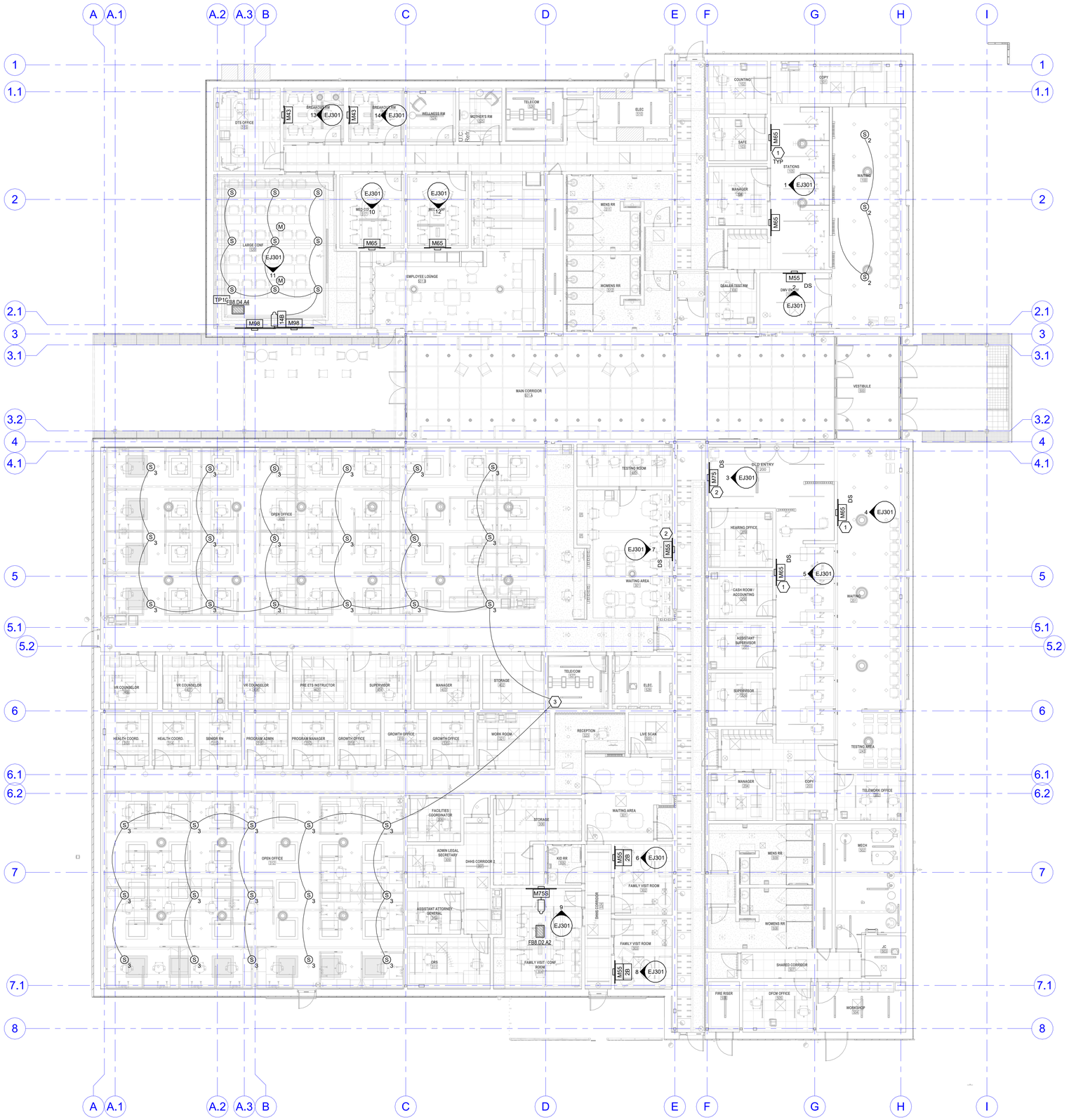

1 LEVEL 1 AUDIO VISUAL ROUGH-IN PLAN
SCALE: 1/8" = 1'-0"

NORTH

0 4' 8' 16'

GENERAL SHEET NOTES

1. SEE ELEVATIONS FOR MONITOR JUNCTION BOX HEIGHTS, TYPICAL.

SHEET KEYNOTES

1 INSTALL THE SPECIFIED MONITOR BACKBOX FLUSH IN THE WALL WITH THE CENTER OF THE BOX AT +77" AFF. CONFIRM EXACT LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.

2 INSTALL THE SPECIFIED MONITOR BACKBOX FLUSH IN THE WALL WITH THE CENTER OF THE BOX AT +73" AFF. CONFIRM EXACT LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.

3 INSTALL MASKING HEADEND EQUIPMENT ON WALL SHELF. COORDINATE WITH OTHER LOW VOLTAGE INSTALLERS.

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Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

LEVEL 1 AUDIO VISUAL ROUGH-IN PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **NTD**
CHECKED BY: **SXR**
PROJECT#: **2023-41**

SHEET NUMBER:

EJ101

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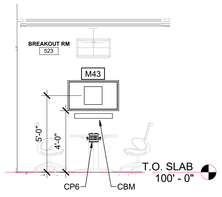
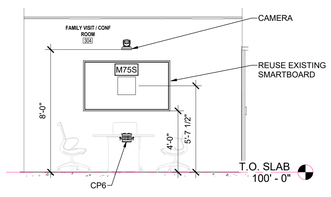
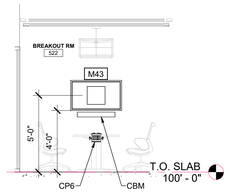


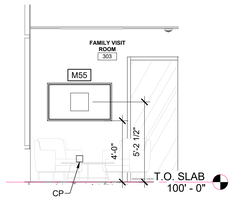
14 BREAKOUT RM 523 ELEVATION
SCALE: 1/4" = 1'-0"



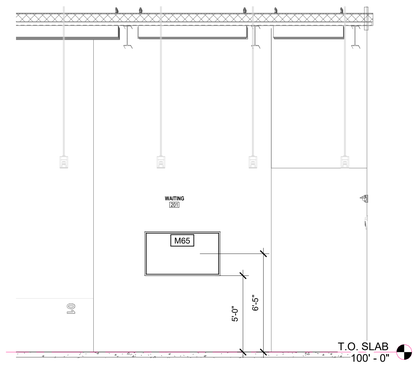
9 FAMILY VISIT / CONF ROOM 304 ELEVATION
SCALE: 1/4" = 1'-0"



13 BREAKOUT RM 522 ELEVATION
SCALE: 1/4" = 1'-0"



8 FAMILY VISIT ROOM 303 ELEVATION
SCALE: 1/4" = 1'-0"



4 WAITING 201 ELEVATION
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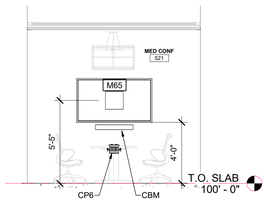
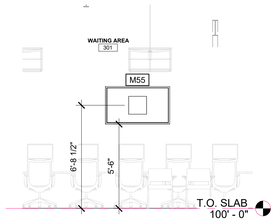


12 MED CONF 521 ELEVATION
SCALE: 1/4" = 1'-0"



7 WAITING AREA 301 ELEVATION
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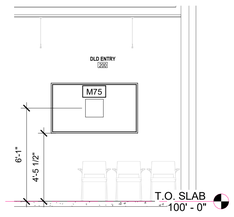
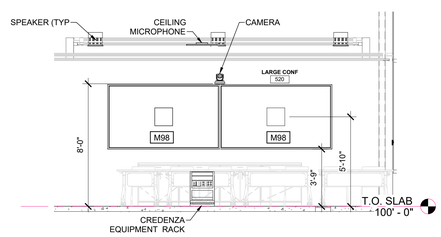


3 OLD ENTRY 200 ELEVATION
SCALE: 1/4" = 1'-0"



11 LARGE CONF 520 ELEVATION
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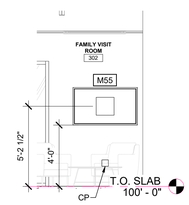
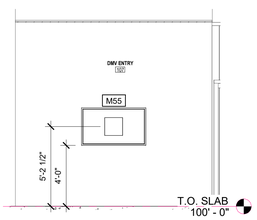
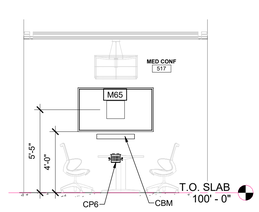


6 FAMILY VISIT ROOM 302 ELEVATION
SCALE: 1/4" = 1'-0"



2 DMV ENTRY 107 ELEVATION
SCALE: 1/4" = 1'-0"



10 MED CONF 517 ELEVATION
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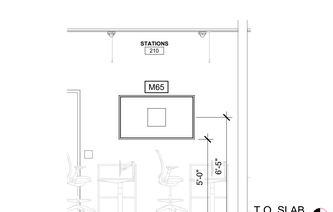
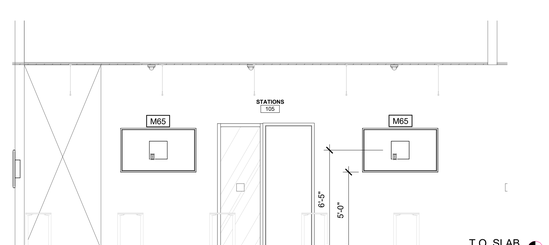


5 STATIONS 210 ELEVATION
SCALE: 1/4" = 1'-0"



1 STATIONS 105 ELEVATION
SCALE: 1/4" = 1'-0"

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AV ELEVATIONS

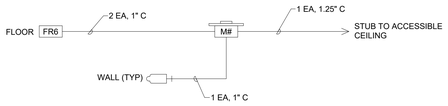
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **NTD**
CHECKED BY: **MJH**
PROJECT#: **2023-41**

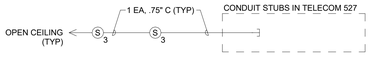
SHEET NUMBER:

EJ301



11 AV RACEWAY RISER DIAGRAM - FAMILY VISIT / CONF ROOM 304

SCALE: NTS



10 AV RACEWAY RISER DIAGRAM - OPEN OFFICE 312, 409

SCALE: NTS



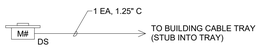
9 AV RACEWAY RISER DIAGRAM - FAMILY VISIT ROOM 302, 303

SCALE: NTS



8 AV RACEWAY RISER DIAGRAM - WAITING

SCALE: NTS



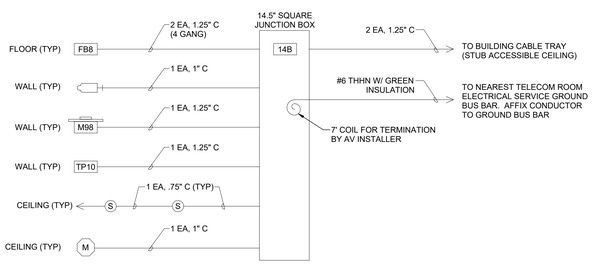
7 AV RACEWAY RISER DIAGRAM - BUILDING-WIDE DIGITAL SIGNAGE

SCALE: NTS



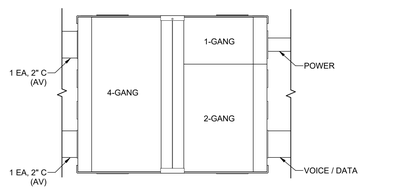
6 AV RACEWAY RISER DIAGRAM - MED CONF 517, 521, BREAKOUIT RM 522, 523

SCALE: NTS

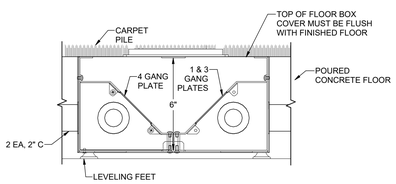


5 AV RACEWAY RISER DIAGRAM - LARGE CONF 520

SCALE: NTS



BOTTOM VIEW



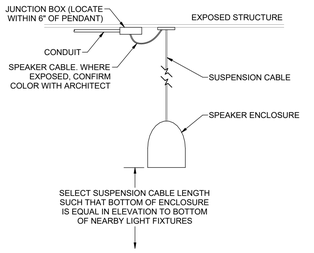
SIDE VIEW

NOTE:

1. FSR FL-500-6 OR HUBBELL CFB7G6. COORDINATE BOX COVER WITH ARCHITECT.

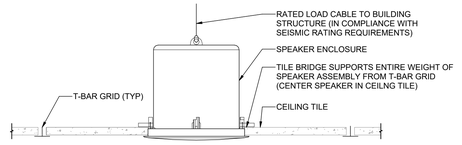
4 FLOOR BOX CONDUIT TERMINATION DETAIL

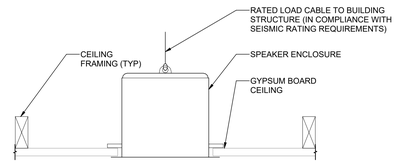
SCALE: NTS



3 SPEAKER INSTALLATION DETAIL - PENDANT

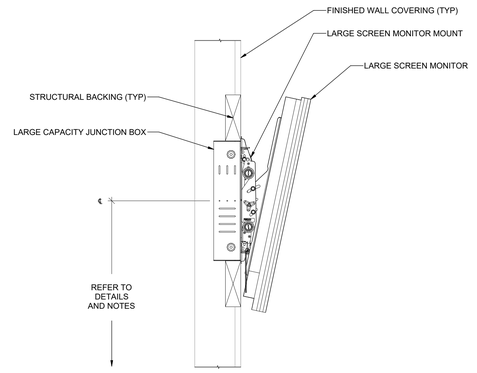
SCALE: NTS





2 CEILING SPEAKER INSTALLATION DETAIL

SCALE: NTS



1 LARGE SCREEN MONITOR MOUNTING DETAIL

SCALE: NTS

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AV ROUGH-IN DETAILS AND RISERS DIAGRAMS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE:	**05/26/2026**
ISSUE TYPE:	**CONFORMED SET**
DRAWN BY:	**NTD**
CHECKED BY:	**SXR**
PROJECT#:	**2023-41**

SHEET NUMBER:

EJ501

AV DISPLAY DEVICE SCHEDULE

DISPLAY TYPE / ORIENTATION ABBREVIATIONS:	AVIXA STANDARD USED ABBREVIATIONS:
M = MONITOR L = LANDSCAPE P = PORTRAIT PM = POLE MOUNT PS = PROJECTION SCREEN VW = VIDEO WALL LED = DIRECT VIEW LED	NA = NOT APPLICABLE NC = NOT COMPLIANT WITH AVIXA STANDARDS OC = OBSERVING CONTENT (GENERAL VIEWING, DETAILS NOT CRITICAL) IC = INSPECTING CONTENT (SPREADSHEETS, WEB PAGES, PRESENTATIONS) ICC = INSPECTING CRITICAL CONTENT (ENGINEERING DRAWINGS, MEDICAL IMAGES)

ROOM NAME	ROOM #	LEVEL	CEILING HEIGHT	FURTHEST ON AXIS VIEWING DISTANCE	DISPLAY TYPE / ORIENTATION	IMAGE HEIGHT	IMAGE WIDTH	APPROX. PROJECTOR THROW DISTANCE	FLAT PANEL SIZE (Diagonal)	ASPECT RATIO	COMMENTS
STATIONS	105	T.O. SLAB	12' - 0"	9' - 0"	M/L				65"	16:9	
STATIONS	105	T.O. SLAB	12' - 0"	9' - 0"	M/L				65"	16:9	
DMV ENTRY	107	T.O. SLAB	12' - 0"	9' - 0"	M/L				55"	16:9	
DLD ENTRY	200	T.O. SLAB	12' - 0"	0' - 0"	M/L				75"	16:9	
WAITING	201	T.O. SLAB	0' - 0"	12' - 0"	M/L				65"	16:9	
STATIONS	210	T.O. SLAB	12' - 0"	23' - 0"	M/L				65"	16:9	
WAITING AREA	301	T.O. SLAB	14' - 0"	10' - 0"	M/L				55"	16:9	
FAMILY VISIT ROOM	302	T.O. SLAB	10' - 0"	10' - 0"	M/L				55"	16:9	
FAMILY VISIT ROOM	303	T.O. SLAB	10' - 0"	10' - 0"	M/L				55"	16:9	
FAMILY VISIT / CONF ROOM	304	T.O. SLAB	10' - 0"	15' - 6"	M/L				75"	16:9	REUSE EXISTING SMARTBOARD
MED CONF	517	T.O. SLAB	10' - 0"	11' - 0"	M/L				65"	16:9	
LARGE CONF	520	T.O. SLAB	9' - 0"	25' - 0"	M/L				98"	16:9	
LARGE CONF	520	T.O. SLAB	9' - 0"	25' - 0"	M/L				98"	16:9	
MED CONF	521	T.O. SLAB	10' - 0"	11' - 0"	M/L				65"	16:9	
BREAKOUT RM	522	T.O. SLAB	10' - 0"	7' - 0"	M/L				43"	16:9	
BREAKOUT RM	523	T.O. SLAB	10' - 0"	7' - 0"	M/L				43"	16:9	

AV CABLE SCHEDULE

SEE GENERAL NOTE 14

CABLE TYPE	DESCRIPTION	ACCEPTABLE TYPES	SPECIAL INSTRUCTIONS
M	MICROPHONE CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	LIBERTY 22-1P-CMP-EZ-WHY BELDEN 82761 WEST PENN D25454	
L	LINE LEVEL CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	LIBERTY 22-1P-CMP-EZ-WHY BELDEN 82761 WEST PENN D25454	
S	SPEAKER CABLE, 16 AWG, TWISTED PAIR, UNSHIELDED	LIBERTY 16-2C-TTP WEST PENN 25225	
C	CONTROL CABLE, 24 AWG, 4 PAIR, OVERALL SHIELD	BELDEN 88104 WEST PENN D252404	
D	DATA CABLE, CATEGORY 6	SYSTIMAX 2071E GIGASPEED XL	
P	DIGITAL VIDEO CABLE, CATEGORY 6, TWISTED PAIR, SHIELDED	EXTRON XTP DTP 24	
H	HDMI CABLE	BELDEN HD200X LIBERTY E-HDM-M-X	

AV SYSTEM CABLE INSTALLATION REQUIREMENTS SCHEDULE

THE REQUIREMENTS BELOW APPLY TO EACH LOCATION SHOWN ON LAYOUT DRAWINGS, AND DO NOT INCLUDE REQUIRED CABLE INSTALLATION INSIDE EQUIPMENT RACKS, LECTERNS, AND ENCLOSURES.

ER = EQUIPMENT RACK WHICH SERVES EACH ROOM
LCJB = LARGE CAPACITY JUNCTION BOX

ORIGIN	DESTINATION	CABLE TYPE	QUANTITY	SPECIAL INSTRUCTIONS
CP#	LCJB	H	1	
CP#	M##	H	1	
		D	1	
CBM	M##	USB	1	PROVIDE THE CABLE TYPE RECOMMENDED BY THE 'CB' MANUFACTURER
(S)	ER (S)	S	SEE INSTRUCTIONS	CIRCUIT SPEAKER SYSTEMS AND PROVIDE CABLE QUANTITIES AS SHOWN ON THE FLOOR PLAN DRAWINGS
(S)2	ER (S)2	S	SEE INSTRUCTIONS	CIRCUIT SPEAKER SYSTEMS AND PROVIDE CABLE QUANTITIES AS SHOWN ON THE FLOOR PLAN DRAWINGS
(S)3	ER (S)3	D	SEE INSTRUCTIONS	CIRCUIT SPEAKER SYSTEMS AND PROVIDE CABLE QUANTITIES AS SHOWN ON THE FLOOR PLAN DRAWINGS
M##	ER	P	1	
MOTORIZED WINDOW COVERING MOTOR CONTROL	ER	C OR D	1	
LIGHTING CONTROL SYSTEM	ER	C OR D	2	

AV SIGNAL TYPE ABBREVIATIONS SCHEDULE

ABBREVIATION	SIGNAL TYPE
AA	ANALOG AUDIO
AL	AUDIO, LEFT, (LINE LEVEL)
AR	AUDIO, RIGHT, (LINE LEVEL)
AVIP	AV OVER IP
DAN	DANTE
DP	DISPLAY PORT - HIGH RESOLUTION DIGITAL VIDEO
DVI	DIGITAL VIDEO INTERFACE - HIGH RESOLUTION DIGITAL VIDEO
ENET	ETHERNET
HDBT	HD BASE T
HDMI	HIGH DEFINITION MULTI-MEDIA INTERFACE - HIGH RESOLUTION DIGITAL VIDEO
IP	INTERNET PROTOCOL
RS-232	SERIAL DATA COMMUNICATION
TP	TWISTED PAIR
UA	USB AUDIO
USB	UNIVERSAL SERIAL BUS
USB-C	UNIVERSAL SERIAL BUS TYPE C
V	VIDEO, COMPOSITE-STANDARD RESOLUTION ANALOG VIDEO

SPECIAL PROJECT NOTES

1. THE AUDIO AND VIDEO SYSTEM EQUIPMENT LISTS IDENTIFY EQUIPMENT ITEMS OF SIGNIFICANCE BY MANUFACTURER AND MODEL NUMBER. THE SOLE PURPOSE FOR THIS IS TO ESTABLISH LEVELS OF QUALITY AND INDIVIDUAL COMPONENT CAPABILITY FOR ALL EQUIPMENT ITEMS. IT IS NOT THE INTENT OF THE AUDIO AND VIDEO SYSTEM EQUIPMENT LIST TO PRECLUDE THE INSTALLATION OF EQUIPMENT ITEMS FABRICATED BY MANUFACTURERS OTHER THAN THOSE LISTED, SO FAR AS THEY ARE JUDGED TO BE EQUAL TO THOSE EQUIPMENT ITEMS IDENTIFIED IN THE LIST, PROVIDING THEY CAN GUARANTEE COMPATIBILITY WITH THE EXISTING SYSTEMS IN THE BUILDING IF APPLICABLE. THIS GUARANTEE SHALL INCLUDE REPLACEMENT OF EXISTING HEAD-END EQUIPMENT AND OTHER EXISTING DEVICES COMPONENTS, WIRING AND SOFTWARE, TESTING THE ENTIRE SYSTEM FOR FUNCTIONALITY WHEN COMPLETE AND CORRECTING ALL DEFICIENCIES THROUGHOUT BUILDING(S). OTHER MANUFACTURERS WILL BE CONSIDERED ONLY IF SUBMITTED TO THE ENGINEER IN WRITING AT LEAST 7 DAYS PRIOR TO THE BID OPENING.

GENERAL SHEET NOTES

1. CONDUCT AN RF FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTION OF WIRELESS RF OPERATING FREQUENCIES. SELECT FREQUENCIES TO ASSURE INTERFERENCE FREE OPERATION. INSTALL ANTENNAS/TRANCEIVERS OUTSIDE OF THE EQUIPMENT RACK, AT AN ARCHITECT APPROVED LOCATION, WHERE THE BEST PERFORMANCE IS ACHIEVED.
2. FILL ALL UNUSED RACK SPACE WITH BLANK/VENT PANELS.
3. INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM THE BUILDING STRUCTURE. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
4. PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES, POE INJECTORS AND/OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
5. FURNISH AND INSTALL ALL CABLE AND CONNECTORS REQUIRED FOR ALL AUDIO AND VIDEO SYSTEMS TO COMPLETE MANUFACTURER RECOMMENDED CABLE TO EQUIPMENT TERMINATION TO FORM A COMPLETE AND FULLY FUNCTIONAL SYSTEMS. SELECT CONNECTORS WHICH PASS FULL BANDWIDTH CAPABILITY OF SPECIFIED CABLE. PROVIDE CABLE TYPES AS IDENTIFIED IN THE AUDIO/VIDEO CABLE SCHEDULE.
6. PROVIDE PATCH CABLES TO FULLY INTERCONNECT ALL SPECIFIED CONNECTION PANELS, SYSTEM INTERFACES AND MISCELLANEOUS EQUIPMENT.
7. PROVIDE MANUFACTURER RECOMMENDED AND INDUSTRY STANDARD, SIGNAL LEVELS AND COMMUNICATION PROTOCOLS THROUGHOUT ENTIRE SYSTEM REGARDLESS OF CABLE LENGTHS. PROVIDE ALL REQUIRED DISTRIBUTION AND PROCESSING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SIGNAL DISTRIBUTION AMPLIFIERS, LINE AMPLIFIERS, LINE DRIVERS, EQUALIZING AMPLIFIERS, GROUND/HUM ISOLATORS, MATCHING/ISOLATION TRANSFORMERS, CONTROL BUS DEVICES, COMMUNICATIONS CONVERTERS, ETC..., WHETHER SHOWN ON THE SINGLE LINE DIAGRAMS OR NOT.
8. PROVIDE POWER, CURRENT, AND/OR SIGNAL SENSORS FOR ALL EQUIPMENT WHERE IT IS NECESSARY FOR CORRECT CONTROL SYSTEM OPERATION.
9. PROVIDE PRE-MANUFACTURED ADAPTER CABLES WHERE REQUIRED FOR MATING CABLE TO CONNECTORS. THESE WILL INCLUDE, BUT ARE NOT LIMITED TO, ADAPTERS WHICH MAY MATE TO HDMI TO DISPLAY PORT, DVI TO HDMI CONNECTORS AND OTHER SIMILAR TERMINATION REQUIREMENT SCALE.
10. PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. WHERE MANUFACTURERS DO NOT PROVIDE RACK MOUNT KITS, PROVIDE CUSTOM RACK MOUNT KITS AS SPECIFIED.
11. WHERE ANY CABLE IS INSTALLED IN A FASHION WHERE EXPOSED TO PUBLIC VIEW, INSTALL CABLE INSIDE THE SPECIFIED NYLON LOOM EXPANDABLE SLEEVING. EXAMPLES OF SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, EQUIPMENT ITEMS ON LECTERNS AND CEILING MOUNTED PROJECTORS.
12. LOCATE AND INSTALL PROJECTOR AND MOUNT SUCH THAT AN IMAGE SIZE OF 116"X72" IS ACHIEVED. PROVIDE REQUIRED LENS FOR IMAGE SIZE AND THROW DISTANCE SHOWN IN DRAWINGS. PLEASE NOTE THIS MAY REQUIRE USE OF A NON-STANDARD LENS. SET UP PROJECTORS TO OPERATE IN A 16:9 ASPECT RATIO.
13. CONTROL SPECIFIED DEVICES UTILIZING THE MOST SOPHISTICATED COMMUNICATIONS PROTOCOL AVAILABLE ON THE DEVICE TO BE CONTROLLED. ALWAYS USE RS-232 OR ETHERNET WHEN AVAILABLE.
14. IF AN INSTANCE IS ENCOUNTERED WHERE CABLE MUST BE INSTALLED INSIDE OF AN AIR PLENUM, FURNISH THE PLENUM RATED EQUIVALENT TO THE CABLE SPECIFIED.
15. PROVIDE LECTERN EQUIPMENT RACKS WITH THE MAXIMUM VERTICAL HEIGHT THAT WILL FIT IN THE CUSTOM FABRICATED MILLWORK. CONFIRM VERTICAL MILLWORK OPENING WITH THE MILLWORK SHOP DRAWINGS PRIOR TO ORDERING. FIELD CUT RACK RAILS TO FIT IN VERTICAL OPENING IF REQUIRED.
16. PROVIDE POWER SUPPLIES FOR ALL ACTIVE CONNECTION PANELS AND REMOTE CONTROL PANELS. LOCATE POWER SUPPLIES IN EQUIPMENT RACK AND POWER DEVICES REMOTELY.
17. UNLESS OTHERWISE NOTED, SECURE EVERY PIECE OF A/V SYSTEM EQUIPMENT SUCH THAT IT CANNOT BE REMOVED BY UNAUTHORIZED PERSONS. SECURED EQUIPMENT SHALL INCLUDE, BUT IS NOT LIMITED TO, PROJECTORS, TOUCH PANELS, DOCUMENT CAMERAS, CAMERAS, OWNER FURNISHED CPU'S & MONITORS AND ALL EQUIPMENT INSTALLED IN/ON MILLWORK. UTILIZE THE SPECIFIED SECURITY CABLE AND PADDLE LOCK SYSTEM. SUBMIT PROPOSED ADHESIVE MOUNTING LOCATION DURING SUBMITTAL PROCESS. DO NOT SECURE KEYBOARDS AND MICE. ALWAYS USE KENSINGTON LOCKS WHEN PRESENT. IN ADDITION AFFIX ALL RACK MOUNTED EQUIPMENT NOT COVERED BY MILLWORK DOOR W/ TAMPER-PROOF RACK SCREWS.
18. PROVIDE ALL EQUIPMENT, CARDS, MEMORY, HARDWARE AND SOFTWARE TO NETWORK ALL CONTROL SYSTEM PROCESSORS TOGETHER USING THE OWNERS ETHERNET NETWORK. CONNECT EVERY CONTROL SYSTEM PROCESSOR TO THE OWNERS NETWORK AND MAKE FULLY FUNCTIONAL WITH THE EXISTING ROOM MANAGEMENT SYSTEM SOFTWARE PACKAGE.
19. INSTALL THE SPECIFIED DVD PLAYER ON A SHELF INSIDE THE LECTERN, NOT INSIDE THE EQUIPMENT RACK.
20. POPULATE CONTROL SYSTEM CENTRAL PROCESSORS WITH RS-232 AND/OR RELAY OUTPUT CARDS AS REQUIRED TO COMPLY WITH THE CONTROL SYSTEM REQUIREMENTS IDENTIFIED IN THE CONTROL SYSTEM SINGLE LINE DIAGRAMS SHOWN IN THE DRAWINGS & THE PROGRAMMING OUTLINE IN THE SPECIFICATIONS.
21. PROVIDE PERMANENT, MECHANICALLY PRODUCED LABELS ON ALL CABLES NEAR CONNECTORS AND TERMINATION POINTS.
22. DO NOT INSTALL CABLES WITH CHOKES, RIGID JACKETS OR OVERLY LARGE OUTSIDE DIAMETER INSIDE CABLE CUBBY CONNECTION PANEL. INSTALL CABLE CUBBY APPROVED CABLES ONLY.
23. INSTALL THE SPECIFIED CABLE CUBBY FLUSH IN THE HORIZONTAL WORK SURFACE OF ALL LECTERNS.
24. VERY CAREFULLY SUPPORT THE WEIGHT OF ALL HDMI CABLES CONNECTED TO EQUIPMENT USING LOCKIT CABLE LACING BRACKETS AND RACK MOUNTED LACING BARS. PROFESSIONALLY DRESS, LACE AND STRAIN RELIEF CABLES SO THAT NO WEIGHT FROM INDIVIDUAL HDMI CABLES TRANSFERS UNDUE STRESS TO SEATED CONNECTORS.
25. COVER JUNCTION BOXES WITH NO SPECIFIED AV DEVICES WITH BLANK NYLON COVER PLATES. COLOR TO MATCH ELECTRICAL DEVICES.
26. CONNECT ALL SPECIFIED AV EQUIPMENT TO 120 VAC VIA A SPECIFIED TRANSIENT VOLTAGE SURGE SUPPRESSOR INCLUDING ALL MONITORS AND PROJECTORS.
27. SET ALL PLAYBACK DEVICES (DVD, TUNERS, ETC.) TO RGB COLOR RANGE.
28. CONFIRM ALL CONNECTION PANEL LABELS WITH THE OWNER PRIOR TO FABRICATION.
29. SET LIMIT SWITCHES ON ALL PROJECTION SCREENS TO POSITION IMAGES VERTICALLY AS DIRECTED BY THE OWNER. DO NOT LOCATE THE BOTTOM OF PROJECTED IMAGES LOWER THAN 4'-0" AFF.
30. PROGRAM ALL NEW AV DEVICES WITH PASSWORDS WITH A NEW (NON-FACTORY DEFAULT) PASSWORD. PROVIDE A SPREADSHEET TO THE OWNER IDENTIFYING ALL PROGRAMMED PASSWORDS. WORK WITH THE OWNER'S I.T. STAFF TO PROGRAM THE SPECIFIED NETWORK SWITCH WITH SECURITY HARDENING.
31. PROVIDE COMPLETE NETWORK SWITCH CONFIGURATION AND PROGRAMMING SERVICES INCLUDING, BUT NOT LIMITED TO, UPDATING ALL NETWORK SWITCHES TO THE LATEST CODE, CONFIGURING ALL REQUIRED VLANS AND ASSIGNING ALL IP ADDRESS SCHEMES FOR SUBNET MASK GATEWAY AND DEVICE IP ADDRESS ASSIGNMENT. COORDINATE WITH THE OWNER'S NETWORK STAFF FOR ALL IP ADDRESS SCHEME.

AV SYSTEMS SHEET INDEX

TA001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
TA002	AV SYSTEMS EQUIPMENT SCHEDULE
TA101	LEVEL 1 AUDIO VISUAL SYSTEMS PLAN
TA501	AUDIO VISUAL SYSTEMS DETAILS
TA601	AUDIO VISUAL SYSTEMS DIAGRAMS
TA701	AV SYSTEMS CONNECTION PANEL DETAILS

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AUDIO
A/R	AS REQUIRED
ADJ	ADJACENT
C	CONDUIT
CAT	CATEGORY
DP	DISPLAY PORT-HIGH RESOLUTION DIGITAL VIDEO
DVD	DIGITAL VERSATILE DISK
DVI	DIGITAL VIDEO INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
E	ENHANCED
EA	EACH
ENET	ETHERNET
EX	EXISTING
F	OPTICAL FIBER
GR	GROUND
HDBT	HD BASE T
HDMI	HIGH DEFENITION MULTIMEDIA INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
IP	INTERNET PROTOCOL
L	LEFT AUDIO CHANNEL, LINE LEVEL
MDP	MINI DISPLAY PORT
MIC	MIC LEVEL AUDIO
N.I.C	NOT IN CONTRACT
OFP	OBTAIN FROM PLANS
POE	POWER OVER ETHERNET
QTY	QUANTITY
R	RIGHT AUDIO CHANNEL, LINE LEVEL
RGBHV	RED, GREEN, BLUE, HORIZONTAL & VERTICAL SYNC-HIGH RESOLUTION ANALOG VIDEO
RMK	RACK MOUNT KIT
RU	RACK UNIT, 1.75"
SDI	SERIAL DIGITAL INTERFACE
TP	TWISTED PAIR
TYP	TYPICAL
V	VIDEO, COMPOSTIE-STANDARD RESOLUTION ANALOG VIDEO
W/	WITH
XGA/V GA	EXTENDED GRAPHICS ARRAY/VIDEO GRAPHICS ARRAY-HIGH RESOLUTION ANALOG VIDEO
YC	S-VIDEO-STANDARD RESOLUTION ANALOG VIDEO
YUV	COMPONENT VIDEO-STANDARD RESOLUTION ANALOG VIDEO

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED" AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

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05/26/2026

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
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TA001

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AV SYSTEMS EQUIPMENT LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTES: A/R = AS REQUIRED OFP = OBTAIN FROM PLANS OFI = OWNER FURNISHED AND INSTALLED

SYMBOL	DESCRIPTION	QTY	ACCEPTABLE TYPES (SEE SPECIAL NOTE #1)
CP#	CONNECTION PANEL #, 2 GANG	OFP	CUSTOM, SEE DETAIL
CP1 (PLAN SYMBOL) / CP1 (SINGLE LINE SYMBOL)	CONNECTION PANEL #1, HDBT TRANSMITTER W/ FLOOR BOX PLATE, ARCHITECT TO SELECT COLOR	OFP	CUSTOM, SEE DETAIL
CP2 (PLAN SYMBOL) / CP2 (SINGLE LINE SYMBOL)	CONNECTION PANEL #2, FLOOR BOX	OFP	CUSTOM, SEE DETAIL
CP3 / CP6	CONNECTION PANEL #3, TABLE TOP W/ PULL OUT PATCH CORDS AND POWER/USB CHARGING MODULES, ARCHITECT TO SELECT COLOR	OFP	EXTRON CABLE CUBBY 1202 W/ EXTRON APPROVED PULL OUT PATCH CORDS, SEE DETAIL
	USB POWER MODULE WITH POWER SUPPLY	A/R	EXTRON CABLE AC+USB 314 US
	NYLON LOOM, EXPANDABLE SLEEVING	A/R	TECH FLEX, PANDUIT
	EQUIPMENT RACK, 14 RU, PULL OUT AND PIVOTING w/ 1 RU FAN TRAY	OFP	MIDDLE ATLANTIC SRSR-4-14 / FTA-3
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20A, FOR RACKS	A/R	TRIPP LITE IBAR 12-20 ULTRA
	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 15A, FOR PROJECTORS AND FLAT PANEL MONITORS	A/R	TRIPP LITE ISOBAR 6 ULTRA/4 ULTRA
HRX	HDMI RECEIVER/SWITCHER, HDBASE T, 4K W/ HDMI OUTPUT AND USB HUB	OFP	EXTRON DTP3 R 201
HTX	HDMI TRANSMITTER/SWITCHER, HDBASE T, 4K W/ 2 HDMI INPUT	OFP	EXTRON DTP3 T 202
SS	SYSTEM SWITCHER, 6X2 W/ CONTROL PROCESSOR AND AMPLIFIER	OFP	EXTRON DTP3 CROSSPOINT 622 IPCP A
TP10	TOUCH PANEL, APPROX. 10", 1080P W/ TABLE TOP STAND	OFP	EXTRON TLP PRO 1025T
	TOUCH PANEL, APPROX. 10" WALL MOUNT BRACKET	OFP	EXTRON TLP PRO 1025M
NS	NETWORK SWITCH	A/R	NETGEAR
DSP	DIGITAL SIGNAL PROCESSOR, 12X8	OFP	BIAMP TESIRA FORTE DAN VT
CRX	CAMERA, PTZ, 4K UHD W/ CEILING MOUNT BRACKET AND CAMERA RECEIVER	OFP	VADDIO ROBOSHOT 20UHD ONE LINK BRIDGE
CH SM	CAMERA, PTZ, 4K UHD W/ WALL MOUNT BRACKET, TABLE TOP SPEAKER/MIC COMBO, AND CAMERA RECEIVER	0	VADDIO CONFERENCESHOT AV HD CONFERENCE ROOM SYSTEM (EXISTING, OWNER-FURNISHED)
	POWER AMPLIFIER, 1 CHANNEL	OFP	EXTRON XPA 2001
S	SPEAKER, RECESSED, 70V W/ TRANSFORMER & GRILL	OFP	JBL CONTROL 47C/T
S2	SPEAKER, PENDANT, 70V W/ TRANSFORMER & GRILLE, ARCHITECT TO SELECT COLOR	OFP	JBL CONTROL 65 P/T
S3	PENDANT SPEAKER. UPWARD RADIATING W/ ALL NECESSARY MOUNTING ACCESSORIES, ARCHITECT TO SELECT COLOR	OFP	BIAMP DS1339
	AV CABLE	A/R	SEE AV CABLE SCHEDULE THIS SHEET
CM	CONTROL MODULE AND POWER AMPLIFIER, 3 ZONE, SOUND MASKING	OFP	BIAMP DS3002
M75S	MONITOR, 75", 4K, NARROW BEZEL W/ RS-232 CONTROL, INTERACTIVE/TOUCH	0	SMART BOARD 6075 WITH IQ (EXISTING, OWNER-FURNISHED)
M#	MONITOR, 98", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM98C
	MONITOR, 75", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM75C
	MONITOR, 65", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM65C
	MONITOR, 55", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM55C
	MONITOR, 43", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP	SAMSUNG QM43C
	MONITOR MOUNT BRACKET, TILTING WITH ALL REQUIRED STRUCTURAL BACKING AND FASTENERS	OFP	CHIEF LTM1U W/ ALL REQUIRED MOUNTING ACCESSORIES
	MONITOR, OWNER-FURNISHED	0	
	MONITOR MOUNT BRACKET, OWNER-FURNISHED	0	
CBM	CONFERENCING BAR WITH BUILT-IN CAMERA, MICROPHONE AND SPEAKER, MIDIUM CONFERENCE ROOMS	OFP	SENNHEISER TEAMCONNECT BAR M
	UMBILICAL CORDS & PATCH CABLES	A/R	
M	MICROPHONE, ACTIVE, STEERABLE ARRAY, CEILING MOUNTED, w/ ALL REQUIRED MOUNTING EQUIPMENT TO INSTALL THE MICROPHONE IN SPECIFIED CEILING TYPE, AND TO SUPPORT THE ENTIRE WEIGHT OF THE MICROPHONE FROM THE BUILDING STRUCTURE	OFP	SHURE MXA920
			SENNHEISER TeamConnect 2
UBG	USB SCALING BRIDGE	OFP	EXTRON MEDIA PORT 200
CBM	USB CONFERENCING BAR WITH BUILT-IN CAMERA, MICROPHONE AND SPEAKER, MEDIUM CONFERENCE ROOMS	OFP	SENNHEISER TEAMCONNECT BAR M
PC	IN ROOM PC	OFI	
DP	DIGITAL SIGNAGE PLAYER	OFI	
WVS	WIRELESS VIDEO SYSTEM, OWNER FURNISHED	OFI	

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05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AV SYSTEMS EQUIPMENT SCHEDULE

REVISIONS

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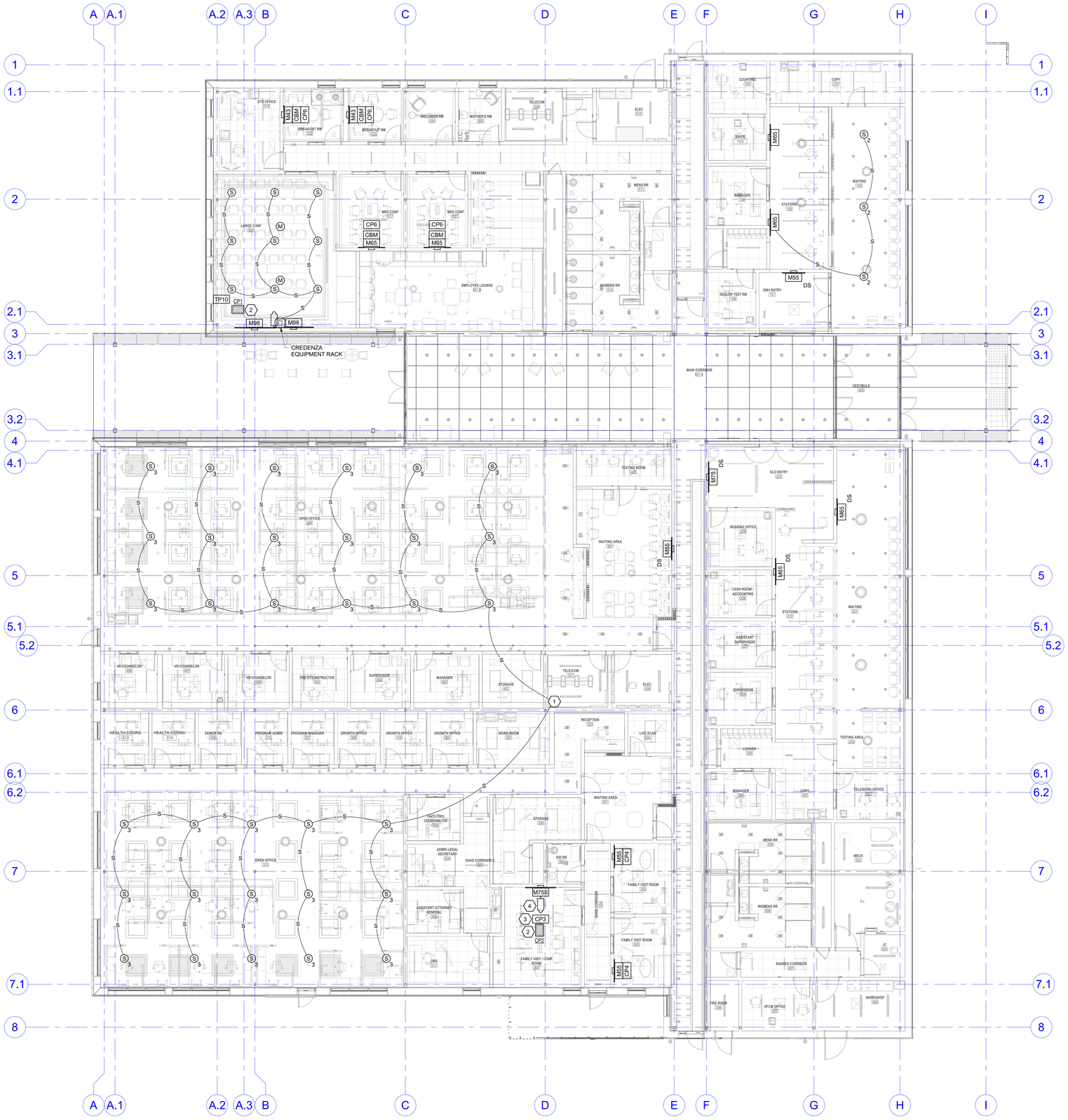

1 LEVEL 1 AUDIO VISUAL SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

NORTH

0 4' 8' 16'

GENERAL SHEET NOTES

1. FOR MONITOR AND CONFERENCING BAR HEIGHTS, SEE ELEVATIONS ON EJ SHEETS.

SHEET KEYNOTES

1 INSTALL MASKING HEADEND EQUIPMENT ON WALL SHELF. COORDINATE WITH OTHER LOW VOLTAGE INSTALLERS.

2 INSTALL THE SPECIFIED CONNECTION PANEL IN THE PREVIOUSLY INSTALLED FLOORBOX.

3 INSTALL THE SPECIFIED CONNECTION PANEL FLUSH IN THE TABLE/LECTERN WORK SURFACE. CONFIRM EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

4 INSTALL THE SPECIFIED USB CAMERA DIRECTLY ABOVE THE MONITOR, CENTERED ABOVE THE MONITOR. CONFIRM EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION

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LEVEL 1 AUDIO VISUAL SYSTEMS PLAN

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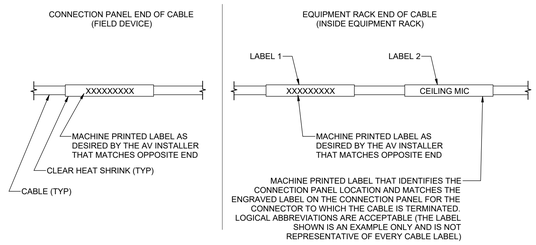
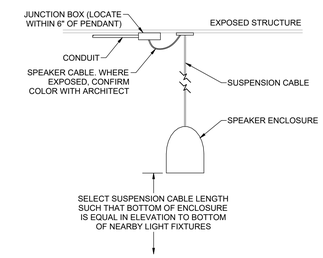
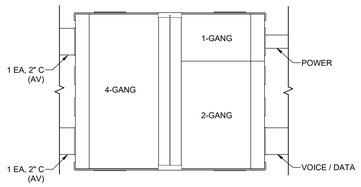


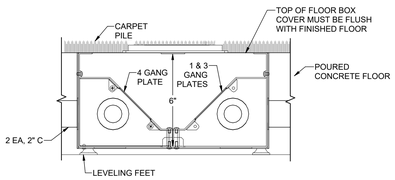
6 CABLE LABEL DETAIL
SCALE: NTS



3 CEILING SPEAKER INSTALLATION DETAIL - PENDANT
SCALE: NTS



BOTTOM VIEW

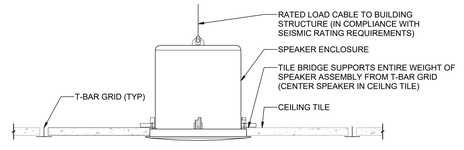


SIDE VIEW

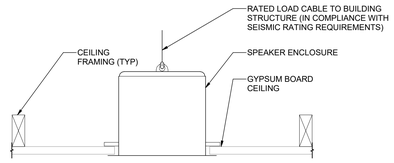
NOTE:

1. FSR FL-500-6 OR HUBBELL CFB7G6. COORDINATE BOX COVER WITH ARCHITECT.

5 FLOOR BOX CONDUIT TERMINATION DETAIL (ON-GRADE)
SCALE: NTS

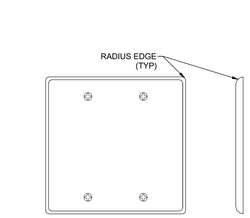


LAY-IN CEILING TILE



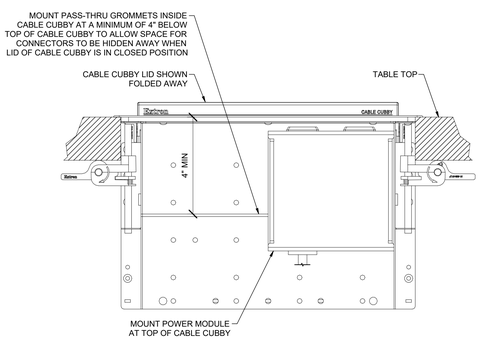
GYPSUM BOARD CEILING

2 CEILING SPEAKER INSTALLATION DETAIL
SCALE: NTS



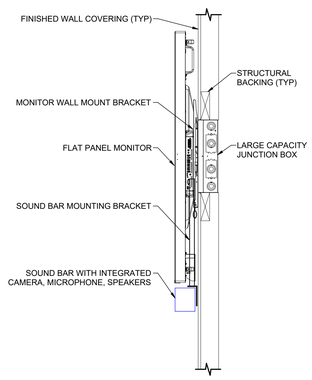
NOTE:
1. PROVIDE AV CONNECTION PANELS WITH RADIUS EDGES ON ALL FOUR SIDES. FLAT WALL PLATES WILL NOT BE ACCEPTED.

8 AV WALL PLATE DETAIL - APPLICABLE TO ALL AV CONNECTION PANELS AND CONTROL PANELS
SCALE: NTS

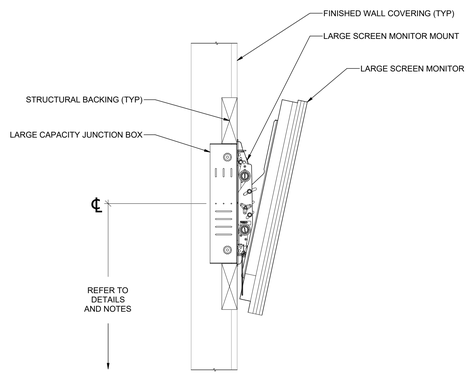


NOTE:
1. CABLE CUBBY LID MUST BE ABLE TO CLOSE COMPLETELY FLUSH WITH TABLE TOP WITHOUT INTERFERENCE WITH CONNECTORS.

7 CABLE CUBBY W/ POWER MODULE INSTALLATION DETAIL
SCALE: NTS



4 MONITOR WITH CONFERENCING BAR INSTALLATION DETAIL
SCALE: NTS



1 LARGE SCREEN MONITOR MOUNTING DETAIL
SCALE: NTS

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PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
350 South 900 West, Richfield, UT 84701

SHEET NAME:

AUDIO VISUAL SYSTEMS DETAILS

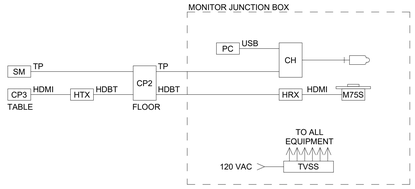
REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **NTD**
CHECKED BY: **SXR**
PROJECT#: **2023-41**

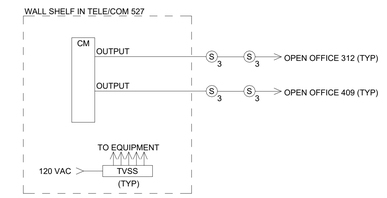
SHEET NUMBER:

TA501



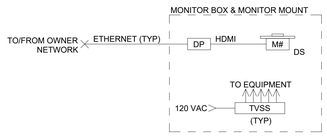
AUDIO, VIDEO & CONTROL SYSTEMS SINGLE LINE DIAGRAM - FAMILY VISIT / CONF ROOM 304

9 SCALE: NTS



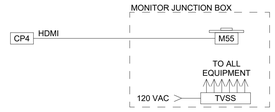
SOUND MASKING SYSTEM SINGLE LINE DIAGRAM

6 SCALE: NTS



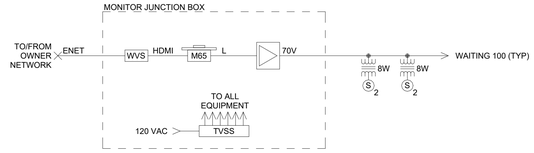
VIDEO SYSTEM SINGLE LINE DIAGRAM - DIGITAL SIGNAGE

8 SCALE: NTS



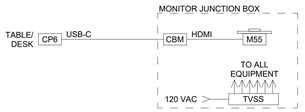
AUDIO VIDEO AND CONTROL SINGLE LINE DIAGRAM - FAMILY VISIT ROOM 302, 303

5 SCALE: NTS



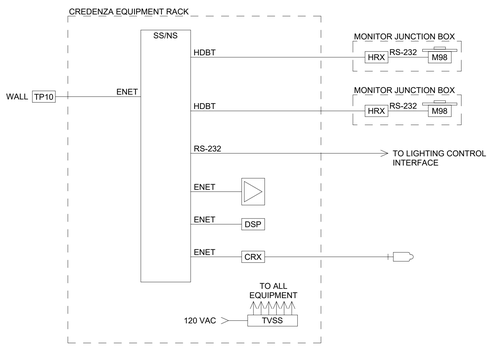
WAITING 100, STATIONS 105 AUDIO & VIDEO SYSTEMS SINGLE LINE DIAGRAM

7 SCALE: NTS



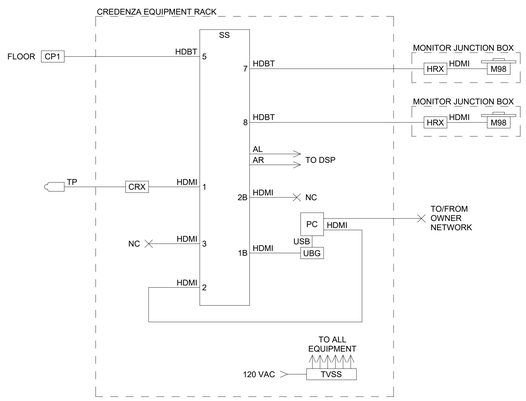
AUDIO VIDEO AND CONTROL SINGLE LINE DIAGRAM - MED CONF 517, 521, BREAKOUT RM 522, 523

4 SCALE: NTS



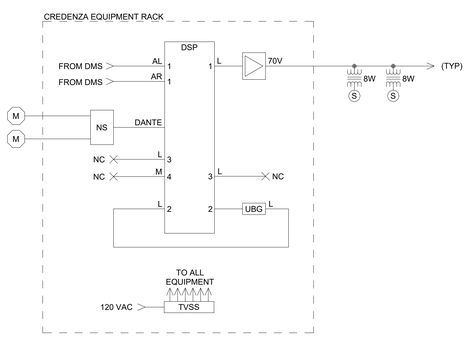
CONTROL SYSTEM SINGLE LINE DIAGRAM - LARGE CONF 520

3 SCALE: NTS



VIDEO SYSTEM SINGLE LINE DIAGRAM - LARGE CONF 520

2 SCALE: NTS



AUDIO SYSTEM SINGLE LINE DIAGRAM - LARGE CONF 520

1 SCALE: NTS

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05/26/2026

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REVIEWED FOR CODE COMPLIANCE
05/26/2026
Jason Van Ausdal
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

PROJECT DESCRIPTION

RICHFIELD REGIONAL CENTER MULTI AGENCY - NEW BUILDING

DFCM Project #24251300
Conformed Set
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SHEET NAME:

AUDIO VISUAL SYSTEMS DIAGRAMS

REVISIONS

MARK	DATE	DESCRIPTION
1	05/14/26	PERMIT REVISIONS

ISSUE DATE: **05/26/2026**
ISSUE TYPE: **CONFORMED SET**
DRAWN BY: **NTD**
CHECKED BY: **SXR**
PROJECT#: **2023-41**

SHEET NUMBER:

TA601

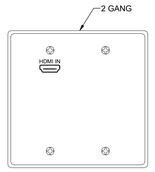
AV CONNECTION PANEL GENERAL NOTES

1. FABRICATE CONNECTION PANELS FROM POWDER COATED STEEL OR ANODIZED ALUMINUM IN STANDARD GANG SIZES UNLESS NOTED OTHERWISE IN DETAILS. ARCHITECT / OWNER TO SELECT COLOR.
2. LABEL ALL CONNECTORS AS DETAILED WITH ENGRAVED TEXT FILLED WITH A CONTRASTING COLOR.

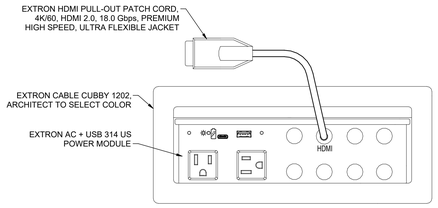
AV CONNECTOR LEGEND

NOTE: NOT ALL CONNECTORS MAY BE USED

SYMBOL	DESCRIPTION
	HDMI CONNECTOR
	CATEGORY 6, RJ-45 CONNECTOR
	SHIELDED CATEGORY 6, RJ-45 CONNECTOR
	USB-C CONNECTOR
	GROMMETED OPENING
	EXTRON DTP3 T 212 D, IN DECORA FORMAT, ARCHITECT TO SELECT COLOR



4 CONNECTION PANEL #4 DETAIL, CP4
SCALE: NTS



3 CONNECTION PANEL #3 DETAIL, CP3
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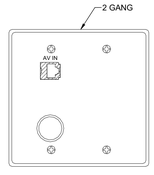

2 CONNECTION PANEL #2 DETAIL, CP2
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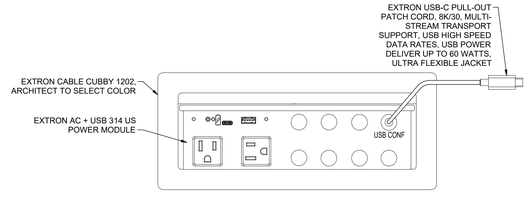

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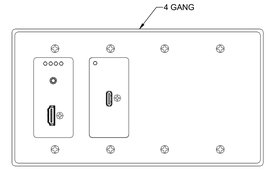

1 CONNECTION PANEL #1 DETAIL, CP1
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AV SYSTEMS CONNECTION PANEL DETAILS

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