STUDIO 333

GOLDENWEST CREDIT UNION - PAYSON BRANCH

PAYSON, UT

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH
TONY KENT PAINTOINE
No. 500963-0130
09.16.24
LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE:

COVER SHEET **G1.1**

STUDIO 333

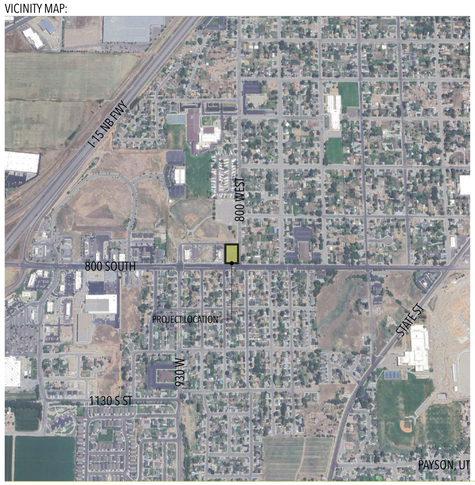
ABBREVIATIONS:

@	At	EB	Expansion Bolt	Max	Maximum
ø	Diameter	EIFS	Exterior Insul Fin System	Mech	Mechanical
#	Pound or Number	Exp Jt	Expansion Joint	Mtl	Metal
AB	Anchor Bolt	Elec	Electrical	Mfr	Manufacturer
ACT	Acoustical Tile	Elev	Elevation	Min	Minimum
Adj	Adjustable	Eq	Equal	NIC	Not In Contract
AFF	Above Finish Floor	Equip	Equipment	NTS	Not To Scale
Alum	Aluminum	EWC	Elec Water Cooler	O.C.	On Center
Bd	Board	Exist	Existing	PL	Plate
Bldg	Building	Ext	Exterior	℄	Property Line
Bm	Beam	FD	Floor Drain	Plas Lam	Plastic Laminate
Bot	Bottom	Fdn	Foundation	Plywd	Plywood
Brg	Bearing	FECB	Fire Extinguisher Cab	RB	Resilient Base
BUR	Built Up Roofing	Fin Fl	Finish(ed) Floor	Re:	Reference
Cab	Cabinet	Ft	Foot or Feet	Reinf	Reinforce(d) (ing)
CJT	Control Joint	Ftg	Footing	Rfg	Roofing
℄	Center Line	Fur	Furring	Rm	Room
Clg	Ceiling	Ga	Gauge	SC	Solid Core
CMU	Concrete Masonry Units	Galv	Galvanized	Sch	Schedule
Col	Column	GC	General Contractor	Sec	Section
Conc	Concrete	GI	Glass	Sim	Similar
Const	Construction	Gyp Bd	Gypsum Board	Spec	Specification
Const Jt	Construction Joint	HC	Hollow Case	Sq	Square
Cont	Continuous	Hdwd	Hardwood	Stl	Steel
Contr	Contract(or)	Hdwr	Hardware	Temp Gl	Tempered Glass
Corr	Corridor	Hdrl	Handrail	Typ	Typical
CT	Ceramic Tile	HM	Hollow Metal	UNO	Unless Noted Otherwise
Det	Detail	ID	Inside Diameter	VCT	Vinyl Composition Tile
Dim	Dimension	Incl	Include(d)(ing)	W/	With
Dn	Down	Insul	Insulation	Wd	Wood
Dr	Door	Int	Interior	Wdw	Window
Ea	Each	Jt	Joint	W/O	Without
				Wsct	Wainscot

STANDARD MATERIAL LEGEND:

- Asphalt
- Batt Insulation
- Ceramic Tile (in elevation)
- Concrete
- Concrete & Plaster (in elevation)
- Concrete Masonry Units
- Brick
- Structural Fill
- Earth
- Finish Lumber
- Glass
- Glass (in elevation)
- Gravel/ Rock Fill
- Gypsum board
- Particle Board, MDF
- Plywood
- Rigid Insulation
- Spray Foam Insulation
- Steel
- Wood Framing (cont. member)
- Wood Framing (interrupted member)
- Metal Studs

VICINITY MAP:



STANDARD SYMBOL LEGEND:

Building/Wall Section Reference
Sheet Reference — 1 / A3.0

Elevation Reference
Sheet Reference — A / A2.0

Detail Reference
Sheet Reference — A / A1.1

Elevation Marker — 1ST LEVEL F.F. +0

Room Number
Door Designation — 100 / A

Window Designation — A4

Room Title
Room Number — ROOM TITLE / 100

Partition Type — 01

Keyed Note — 01.01

Ceiling Type
Ceiling Elevation — C01 / 10'-0"

Finish Label — FT01

Equipment/Sign Label — TA-01

Glazing Label — A

NOTES TO BIDDERS:

1. This sheet contains a list of drawings which comprise a full set of drawings for this project. Any Contractor, Subcontractor, Vendor or any other person participating in or bidding on this project shall be responsible for the information contained on any and all sheets of drawings and specifications. If any person, party or entity elects to submit bids for any portion, or all, of this project, that person, party or entity shall be responsible for any and all information contained in these drawings and specifications, including, but not limited to, any subsequent addendums or clarifications that may be issued.
2. These documents describe the design intent. It is the Contractor's responsibility to provide everything specified on the drawings regardless of where it shown on the drawings or in the specifications.
3. Everything specified in these documents shall be "new" and provided by the Contractor, Subcontractor, Vendor or any other person participating in or bidding on this project unless noted otherwise as "existing" (exist), "not in contract" (nic), or for reference only. Furnishings shown dashed shall be for reference only.

GENERAL NOTES:

1. It is the Contractor's responsibility to review and coordinate the work of all Subcontractors, Trades and Suppliers with the requirements of the Contract Documents before commencing construction, and to assure that all parties are aware of all requirements, regardless of where the requirements occur in the Contract Documents, which might affect the work of that party.
2. As part of the Contractor's responsibility to review and coordinate the work of all Subcontractors, Trades and Suppliers, the Contractor shall endeavor to identify and notify the Architect of any conflicts between the work of different parties at the earliest possible date so as to allow reasonable and adequate time for the conflict to be resolved without delaying the work. All deviations from that which is required by the Contract Documents must be approved in advance by the Architect.
3. The Architectural drawings establish and coordinate the finished appearance and exact location of all exposed elements of the work of all the trades, including that work which is specified primarily on the drawings of other disciplines. Quantities are to be provided as shown on drawings of other disciplines but locations shown on other drawings are schematic. Unless otherwise noted on the architectural drawings, the architectural drawings take precedence for the finished appearance and exact location of all parts of the work.
4. Except where noted to place items of work at the approximate location shown, do not scale drawings for dimensional information. All elements of the drawings may not be drawn to exact scale. All dimensions required are shown or may be derived from those shown on the floor plans, enlarged plans, elevations, sections, details, schedules and specifications. If dimensions are not present, the Architect is to be notified so that a clarification can be issued.

PROJECT TEAM:

OWNER:
GOLDENWEST CREDIT UNION
5025 S ADAMS AVE
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PHONE: 801.786.8006
CONTACT: BUTCH CAMPBELL

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STUDIO 333 ARCHITECTS
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OGDEN, UT 84401
OFFICE PHONE: 801.394.3033
CONTACT: TONY K. PANTONE , AIA, LEED AP

STRUCTURAL ENGINEER:
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1594 WEST PARK CIRCLE DRIVE
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CONTACT: McKAY PARRISH

MECHANICAL ENGINEER:
OLSEN & PETERSON ENGINEERS
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SALT LAKE CITY, UT 84115
PHONE: 801.699.8549
CONTACT: PAUL LAIRD

ELECTRICAL ENGINEER:
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PHONE: 801.505.5414
CONTACT: PARIS LeLaCHEUR

CIVIL ENGINEER:
ANDERSON WAHLEN AND ASSOCIATES
2010 NORTH REDWOOD ROAD
SALT LAKE CITY, UT 84116
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FIRE DEPARTMENT:
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PAYSON PUBLIC WORKS
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PLANNING DEPARTMENT:
PAYSON PLANNING AND ZONING
439 W UTAH AVE
PAYSON, UT 84651
PHONE: 801.465.5204

BUILDING DEPARTMENT:
PAYSON BUILDING DEPARTMENT
439 W UTAH AVE
PAYSON, UT 84651
PHONE: 801.465.5214

PROJECT DESCRIPTION:

This project involves the construction of a new 3,026 s.f. credit union branch. The facility will include self-service & staffed teller space, lobby space, offices, conference room, restrooms, break room, work room, and 2-lane remote drive-thru.

ZONING INFORMATION:

APN	:	49:915:0004
ZONING	:	MU (mixed use)
BUILDING FLOOR AREA	:	
1ST LEVEL	:	2,968 S.F.
DRIVE-THRU CANOPY	:	961 S.F.
TOTAL FLOOR AREA	:	3,929 S.F.

SITE DEVELOPMENT STATISTICS:

TOTAL LOT SIZE	:	43,560 S.F.
BUILDING & PARKING LOT AREA	:	2,965 S.F.
LANDSCAPING AREA	:	14,809 S.F.

BUILDING DEVELOPMENT STATISTICS:

APPLICABLE CODES	:	2021 INTERNATIONAL BUILDING CODE (IBC) 2021 INTERNATIONAL MECHANICAL CODE (IMC) 2021 INTERNATIONAL PLUMBING CODE (IPC) 2021 INTERNATIONAL FIRE CODE (IFC) 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2020 NATIONAL ELECTRICAL CODE (NEC) ICC/ANSI A117.1-2017 ACCESSIBILITY STANDARDS
OCCUPANCY	:	B
BUILDING TYPE	:	TYPE VB
FIRE SPRINKLERS	:	NOT REQUIRED

SHEET INDEX:

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STATE OF UTAH — TONY KENT PANTONE — No. 5009651-5301 — 09.16.24 — LICENSED ARCHITECT

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800 SOUTH AND 800 WEST , PAYSON, UT

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BID SET
DATE: 09.16.24
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STUDIO 333

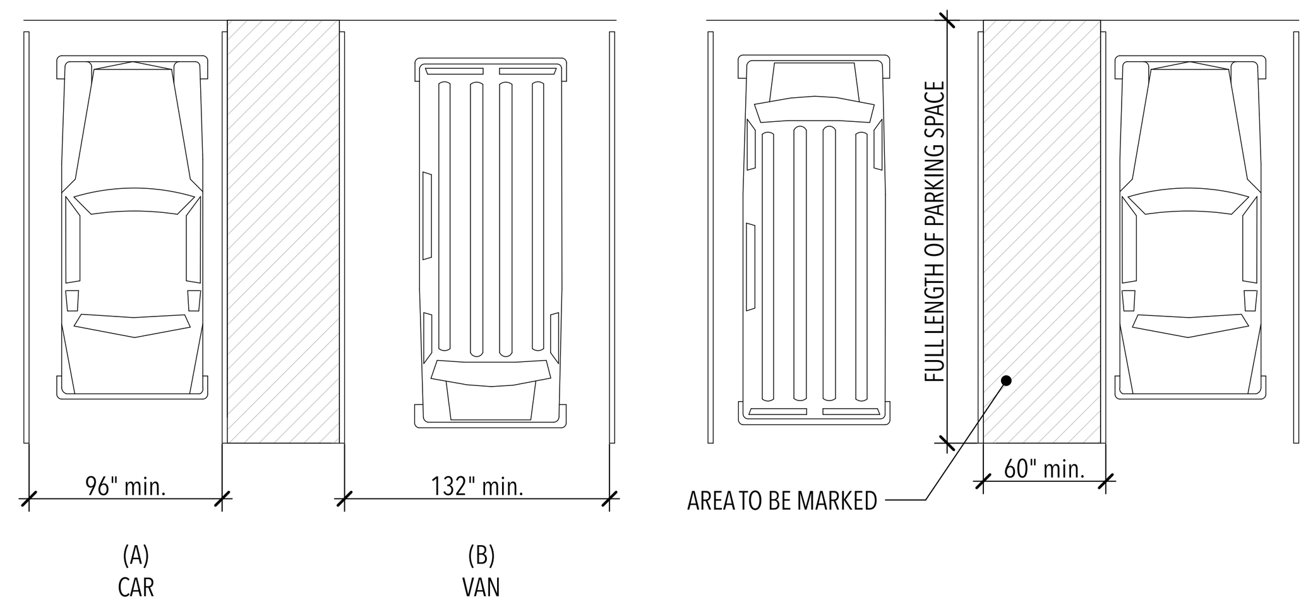


FIGURE 502.2
VEHICLE PARKING SPACES

FIGURE 502.4
PARKING SPACE ACCESS AISLE

ACCESSIBLE PARKING SPACES
01 1/4" = 1'-0"

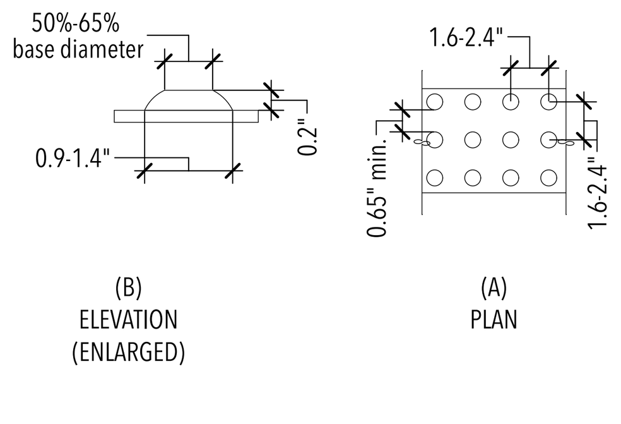


FIGURE 705.5
TRUNCATED DOME SIZE AND SPACEING

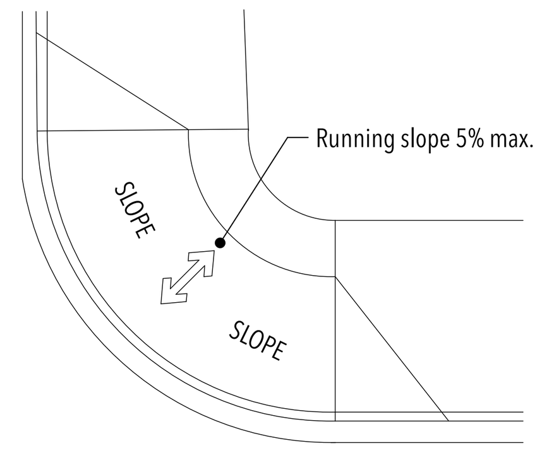


FIGURE 406.4
BLENDED TRANSITION

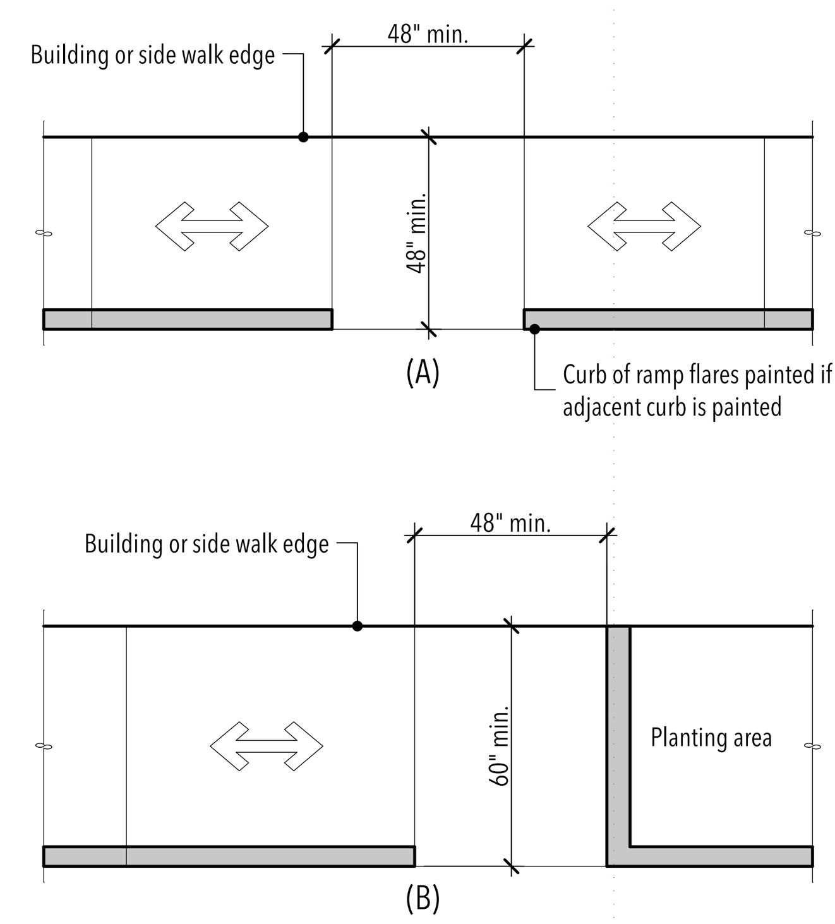


FIGURE 406.3
PARALLEL CURB RAMP

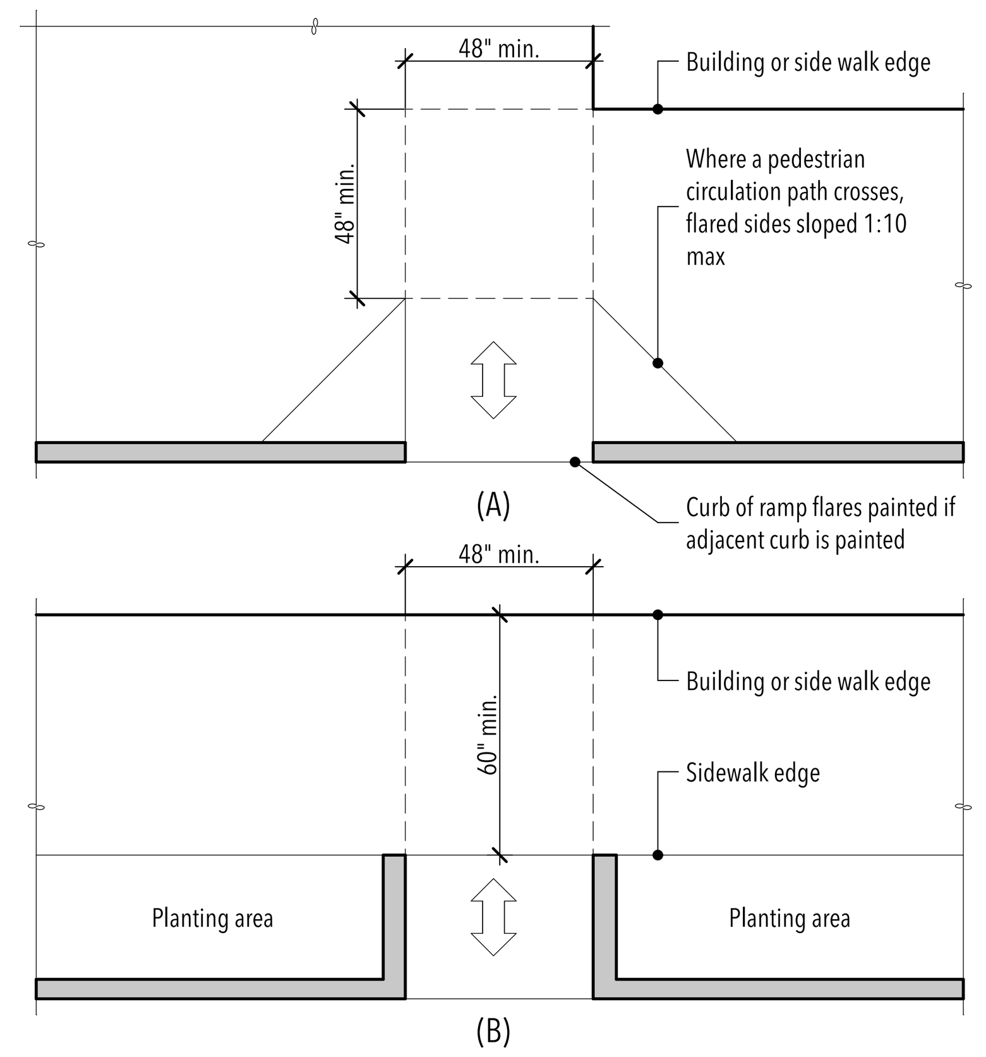
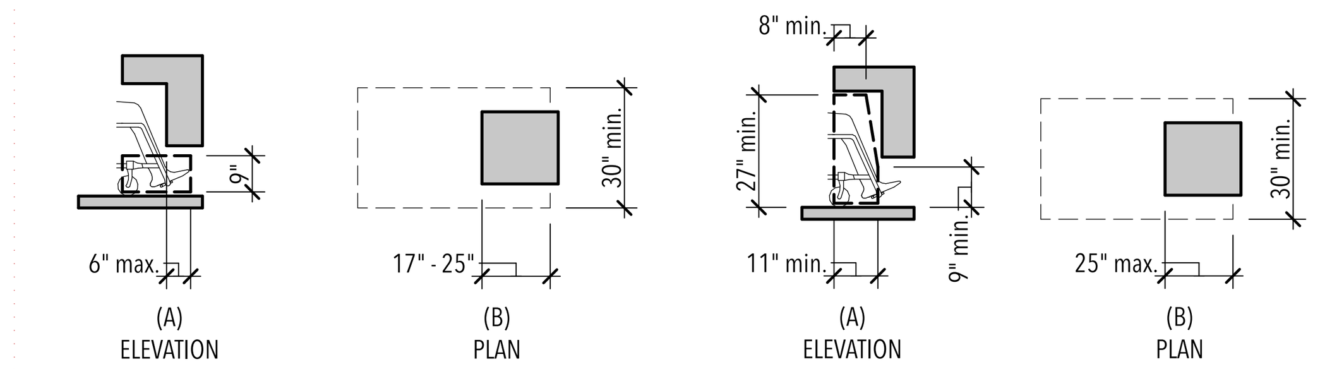


FIGURE 406.2
PERPENDICULAR CURB RAMP

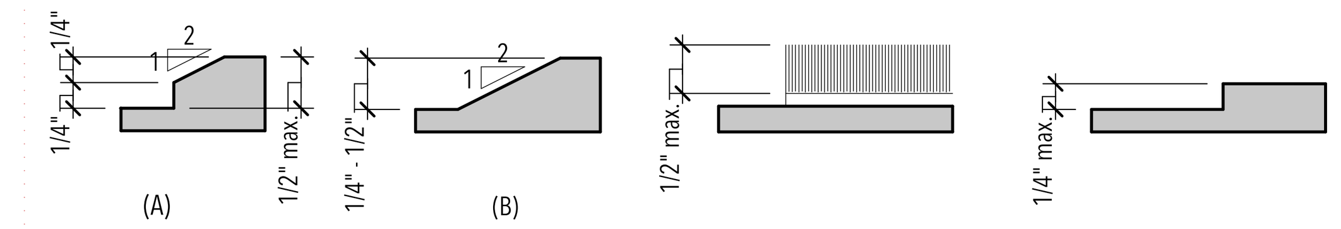
CURB RAMPS
02 1/4" = 1'-0"



TOE CLEARANCE
ICC FIG 306.2

KNEE CLEARANCE
ICC FIG 306.3

KNEE AND TOE CLEARANCE
03 1/4" = 1'-0"

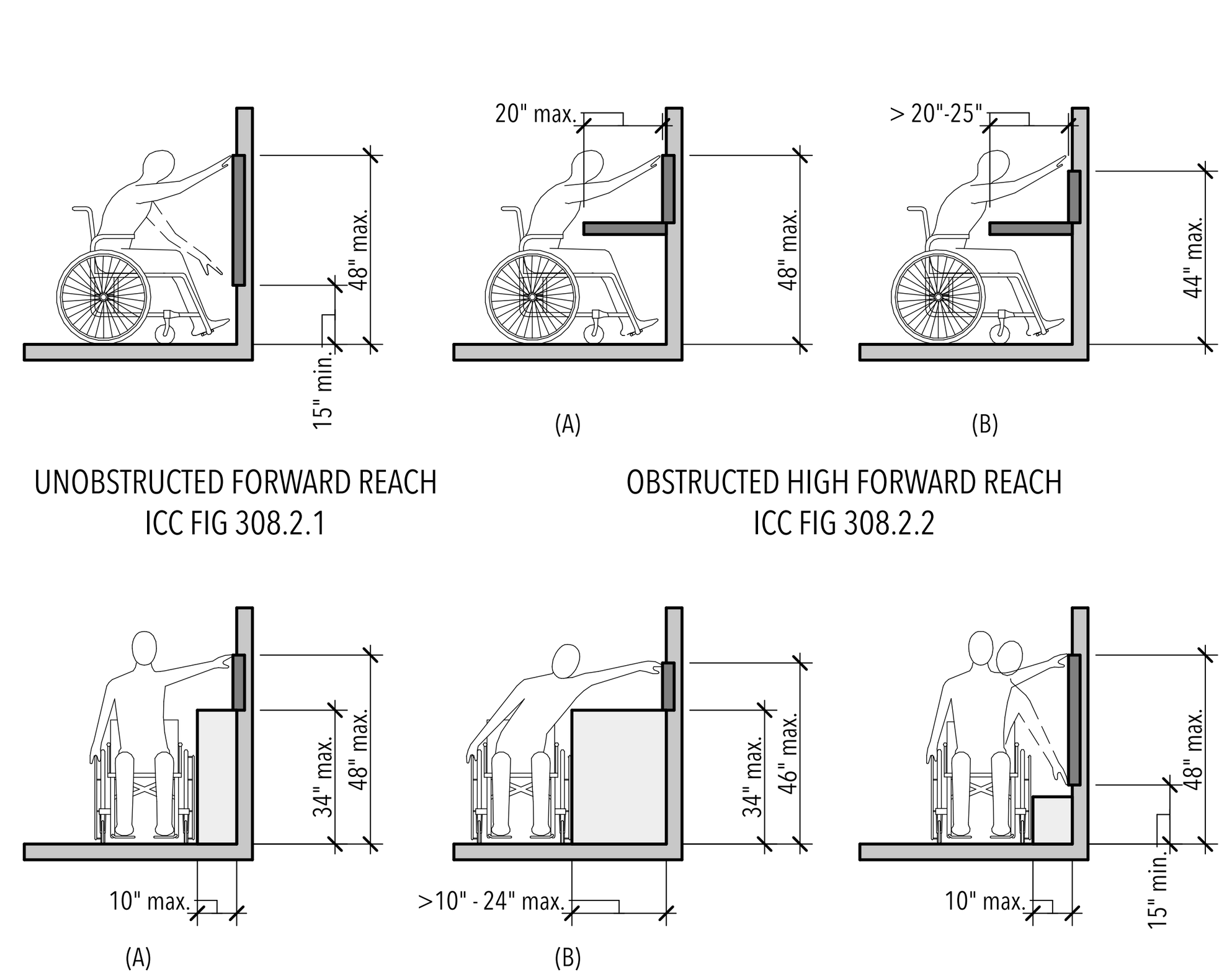


BEVELED CHANGES IN LEVEL
ICC FIG 303.3

CARPET ON FLOOR SURFACES
ICC FIG 302.2

VERTICAL CHANGE IN LEVEL
ICC FIG 303.2

GROUND AND FLOOR
04 1/4" = 1'-0"



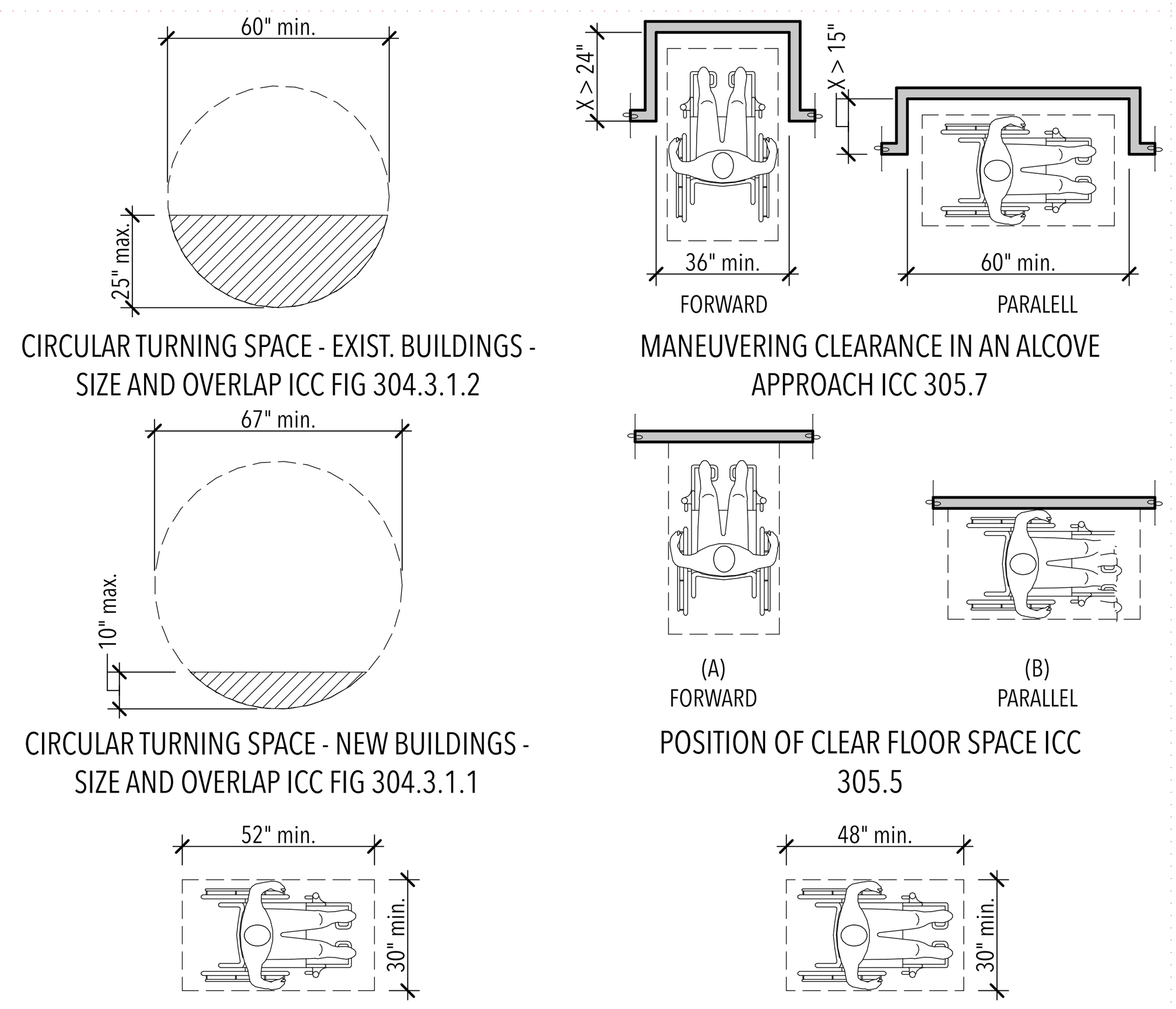
UNOBSTRUCTED FORWARD REACH
ICC FIG 308.2.1

OBSTRUCTED HIGH FORWARD REACH
ICC FIG 308.2.2

OBSTRUCTED HIGH SIDE REACH
ICC FIG 308.3.2

UNOBSTRUCTED SIDE REACH
ICC FIG 308.3.1

REACH RANGES
05 1/4" = 1'-0"



CIRCULAR TURNING SPACE - EXIST. BUILDINGS - SIZE AND OVERLAP ICC FIG 304.3.1.2

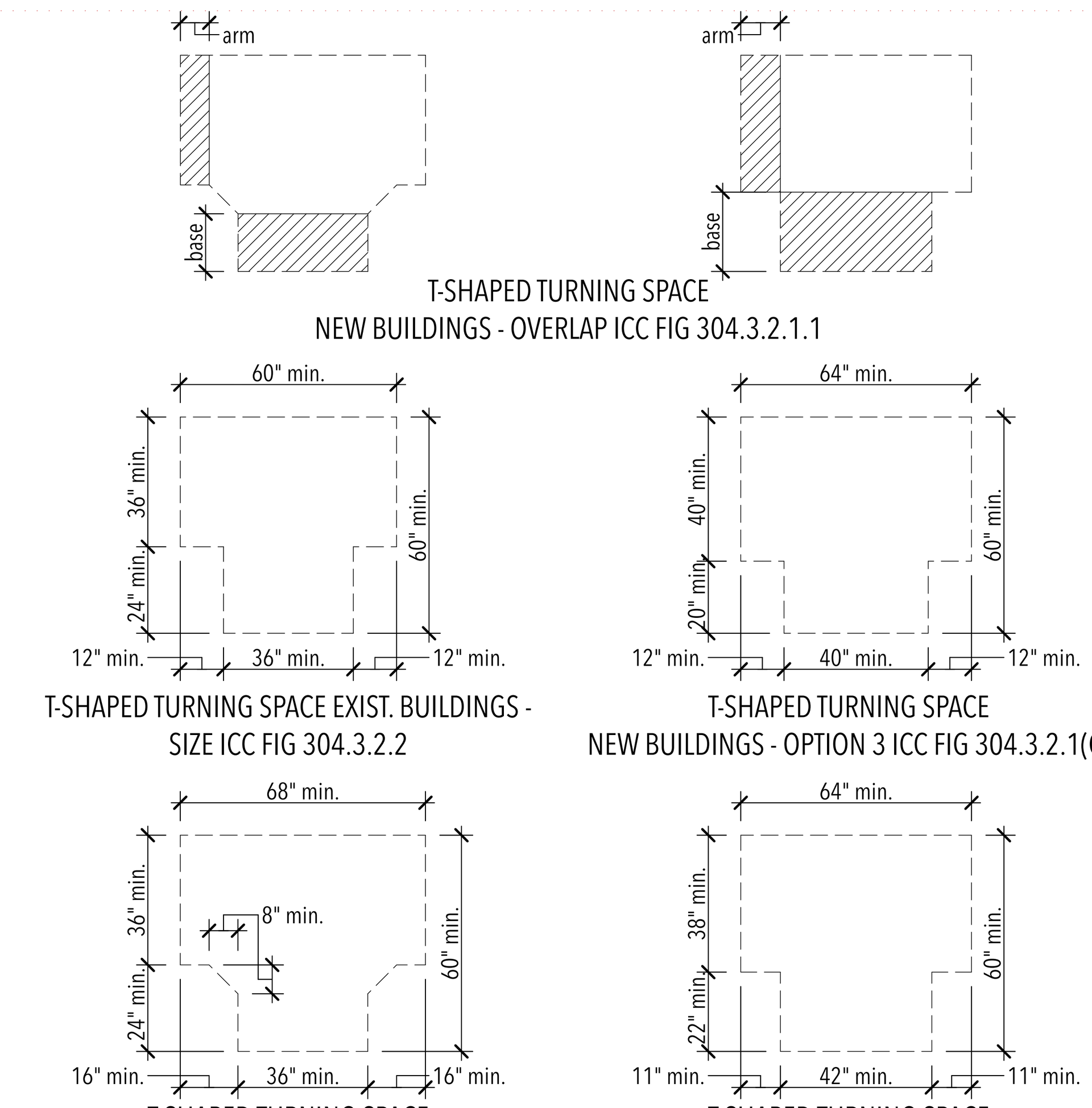
MANEUVERING CLEARANCE IN AN ALCOVE APPROACH ICC 305.7

CIRCULAR TURNING SPACE - NEW BUILDINGS - SIZE AND OVERLAP ICC FIG 304.3.1.1

POSITION OF CLEAR FLOOR SPACE ICC 305.5

SIZE OF CLEAR FLOOR SPACE - NEW BUILDING ICC FIG 305.3.1

SIZE OF CLEAR FLOOR SPACE - EXIST. BUILDING ICC FIG 305.3.2



T-SHAPED TURNING SPACE
NEW BUILDINGS - OVERLAP ICC FIG 304.3.2.1.1

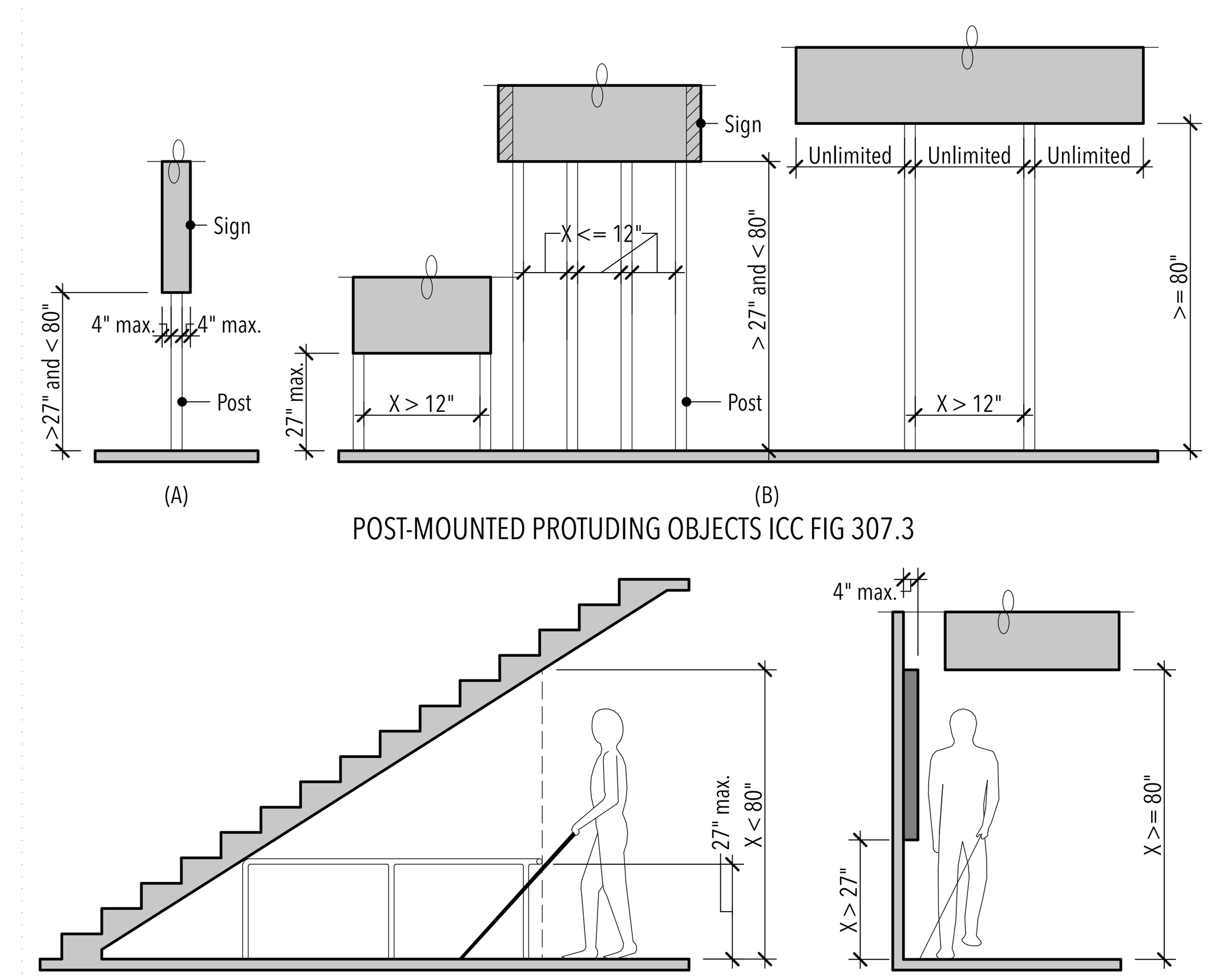
T-SHAPED TURNING SPACE EXIST. BUILDINGS - SIZE ICC FIG 304.3.2.2

T-SHAPED TURNING SPACE
NEW BUILDINGS - OPTION 3 ICC FIG 304.3.2.1(C)

T-SHAPED TURNING SPACE
NEW BUILDINGS - OPTION 1 ICC FIG 304.3.2.1(A)

T-SHAPED TURNING SPACE
NEW BUILDINGS - OPTION 2 ICC FIG 304.3.2.1(B)

TURNING SPACE AND CLEAR FLOOR SPACE
06 1/4" = 1'-0"

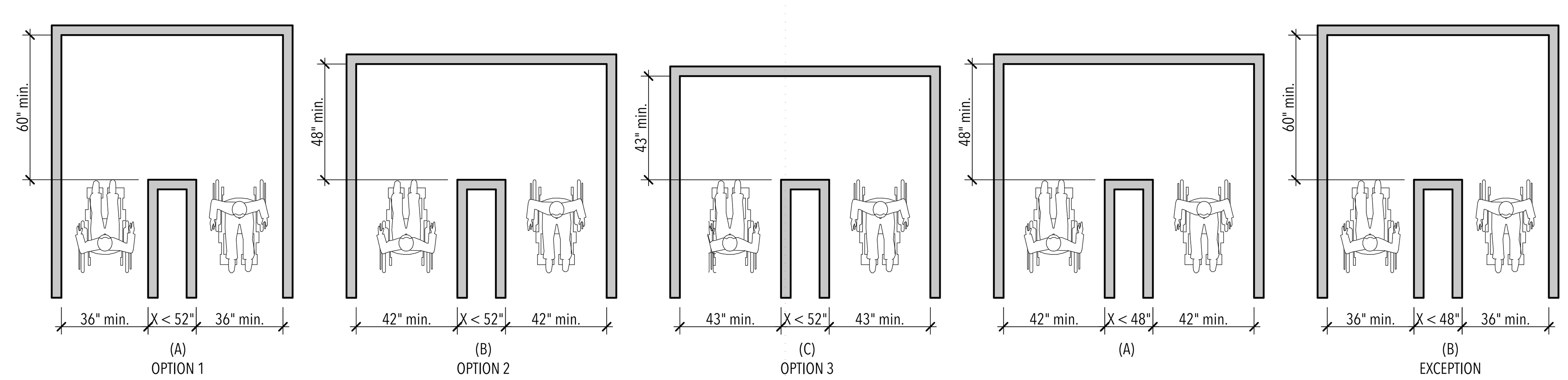


POST-MOUNTED PROTUDING OBJECTS ICC FIG 307.3

REDUCED VERTICAL CLEARANCE
ICC FIG 307.4

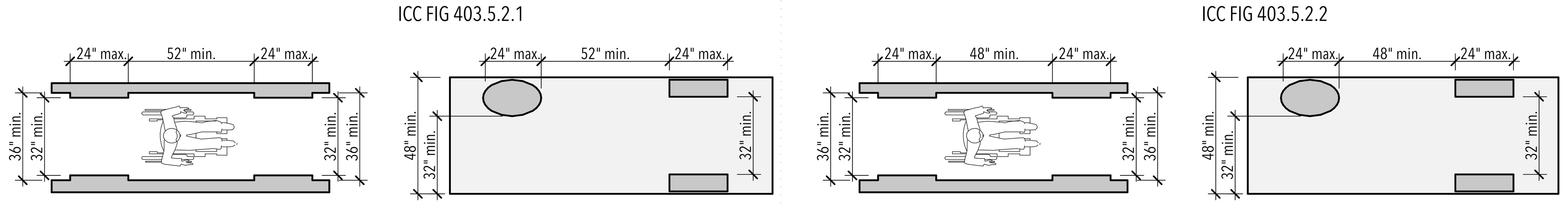
LIMITS OF PROTRUDING OBJECTS
ICC FIG 307.2

PROTRUDING OBJECTS
07 1/4" = 1'-0"



CLEAR WIDTH AT 180-DEGREE TURN NEW BUILDING
ICC FIG 403.5.2.1

CLEAR WIDTH AT 180-DEGREE TURN EXIST. BUILDINGS
ICC FIG 403.5.2.2



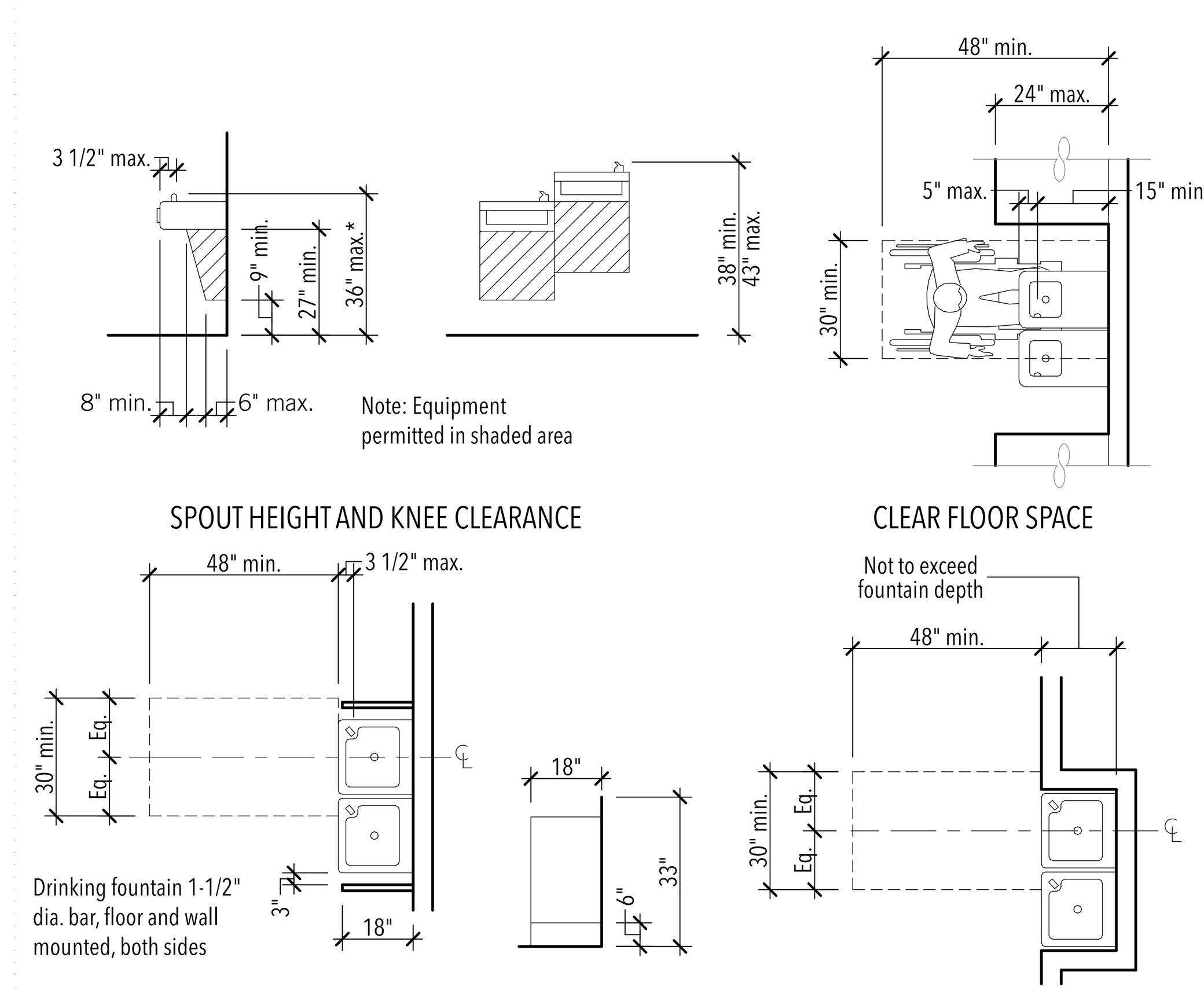
CLEAR WIDTH OF AN ACCESSIBLE ROUTE - NEW BUILDINGS - INTERIOR
ICC FIG 403.5.1 (A)

CLEAR WIDTH OF AN ACCESSIBLE ROUTE - NEW BUILDINGS - EXTERIOR
ICC FIG 403.5.1 (B)

CLEAR WIDTH OF AN ACCESSIBLE ROUTE - EXIST. BUILDINGS - INTERIOR
ICC FIG 403.5.1 (C)

CLEAR WIDTH OF AN ACCESSIBLE ROUTE - EXIST. BUILDINGS - EXTERIOR
ICC FIG 403.5.1 (D)

CLEAR WIDTH OF ACCESSIBLE ROUTE
08 1/4" = 1'-0"



SPOUT HEIGHT AND KNEE CLEARANCE

CLEAR FLOOR SPACE

FREE-STANDING FOUNTAIN OR COOLER

DRINKING FOUNTAINS AND WATER COOLERS

BUILT-IN FOUNTAIN OR COOLER

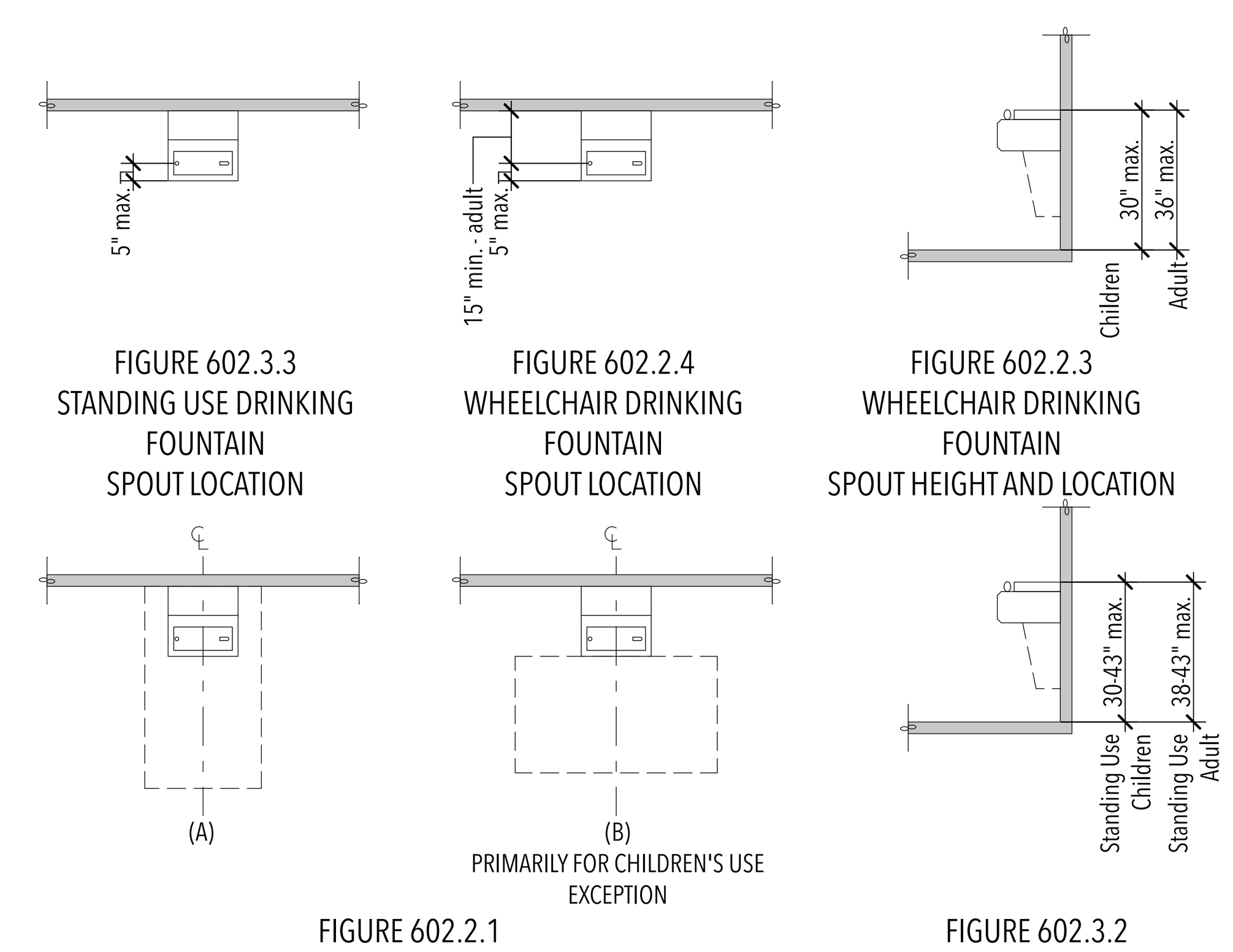


FIGURE 602.3.3
STANDING USE DRINKING FOUNTAIN
SPOUT LOCATION

FIGURE 602.2.4
WHEELCHAIR DRINKING FOUNTAIN
SPOUT LOCATION

FIGURE 602.2.3
WHEELCHAIR DRINKING FOUNTAIN
SPOUT HEIGHT AND LOCATION

FIGURE 602.2.1
CLEAR FLOOR SPACE AT WHEELCHAIR DRINKING FOUNTAINS

FIGURE 602.3.2
STANDING USE DRINKING FOUNTAIN
SPOUT HEIGHT AND LOCATION

* Max. height is 36" for wheel-chair accessible drinking fountain. Height for standing persons drinking fountain is 38" min. and 43" max. Max. height for drinking fountains primarily used by children is 30".

DRINKING FOUNTAINS
09 1/4" = 1'-0"

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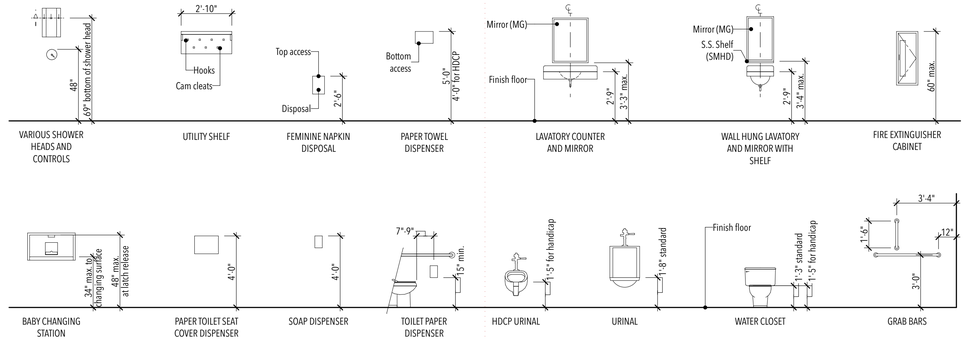
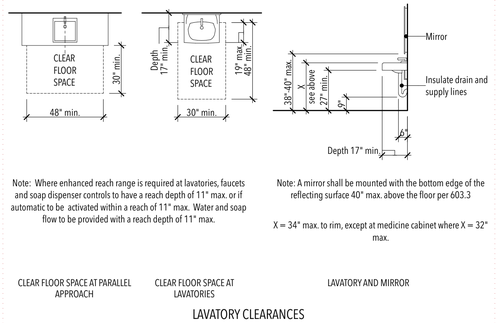
TYPICAL ANSI ACCESSIBILITY STANDARDS

G1.3



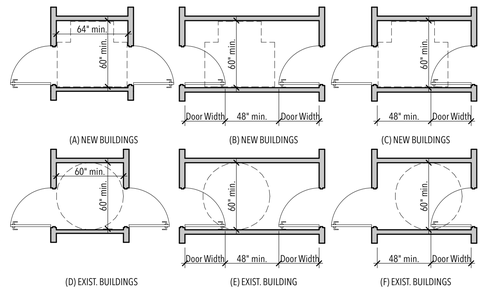


Note: Where enhanced reach range is required at lavatories, faucets and soap dispenser controls to have a reach depth of 11" max. or if automatic to be activated within a reach of 11" max. Water and soap flow to be provided with a reach depth of 11" max.

Note: A mirror shall be mounted with the bottom edge of the reflecting surface 40" max. above the floor per 603.3

X = 34" max. to rim, except at medicine cabinet where X = 32" max.

LAVATORY CLEARANCES



TWO DOORS OR GATES IN A SERIES
ICC FIG 404.2.5

TYPICAL MOUNTING HEIGHTS

01 1/4" = 1'-0"

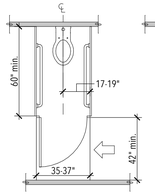


FIGURE 604.10.1
AMBULATORY COMPATMENT

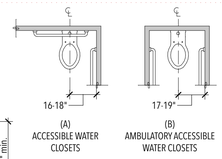


FIGURE 604.2
WATER CLOSET LOCATION

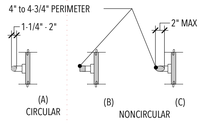


FIGURE 609.2
SIZE OF GRAB BARS

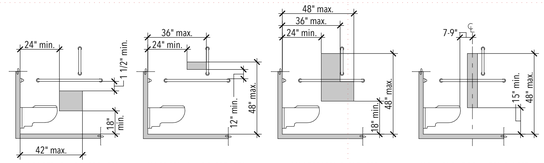


FIGURE 604.7.1
DISPENSER OUTLET LOCATION

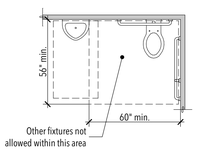


FIGURE 604.3
SIZE OF CLEARANCE AT WATER CLOSETS

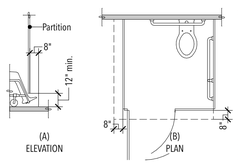


FIGURE 604.9.5
TOE CLEARANCE

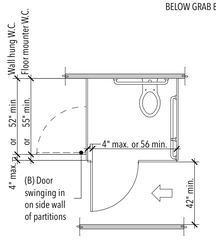


FIGURE 604.9.3.1
WHEELCHAIR
ACCESSIBLE TOILET COMPARTMENT DOORS

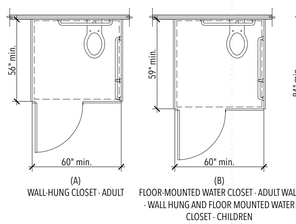


FIGURE 604.9.2
WHEELCHAIR TOILET COMPARTMENTS

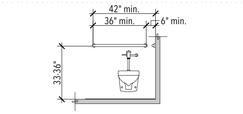


FIGURE 604.5.2
REAR WALL GRAB BAR AT WATER CLOSETS

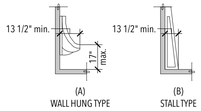


FIGURE 605.2
HEIGHT AND DEPTH OF URINALS

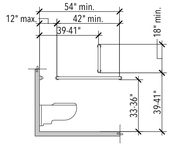


FIGURE 604.5.1
SIDE-WALL GRAB BAR FOR WATER CLOSETS

LAVATORIES AND SINKS

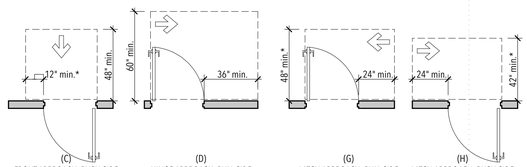
02 1/4" = 1'-0"

TWO DOOR OR GATES IN A SERIES

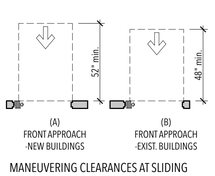
03 3/16" = 1'-0"

TOILET COMPARTMETNS

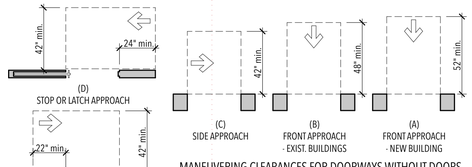
04 1/4" = 1'-0"



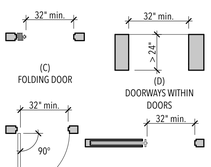
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS
ICC FIG 404.2.3.2



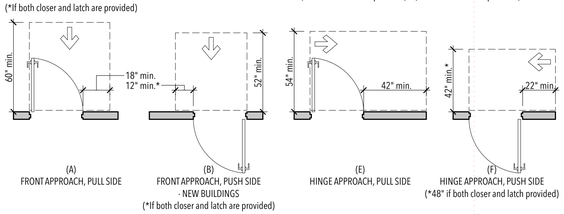
MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS
ICC FIG 404.2.3.3



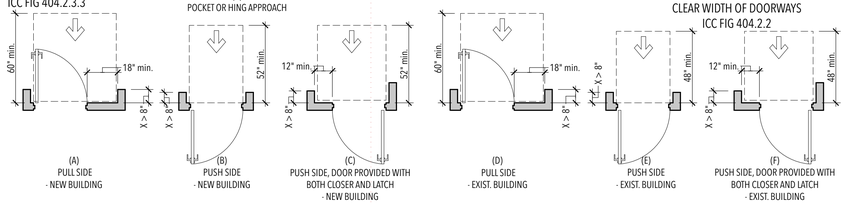
MANEUVERING CLEARANCES FOR DOORWAYS WITHOUT DOORS OR GATES ICC FIG 404.2.3.4



CLEAR WIDTH OF DOORWAYS
ICC FIG 404.2.2



MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS
ICC FIG 404.2.3.2



RECESSED DOORS AND GATES
ICC FIG 404.2.3.5

DOORS AND DOORWAYS

05 1/4" = 1'-0"

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

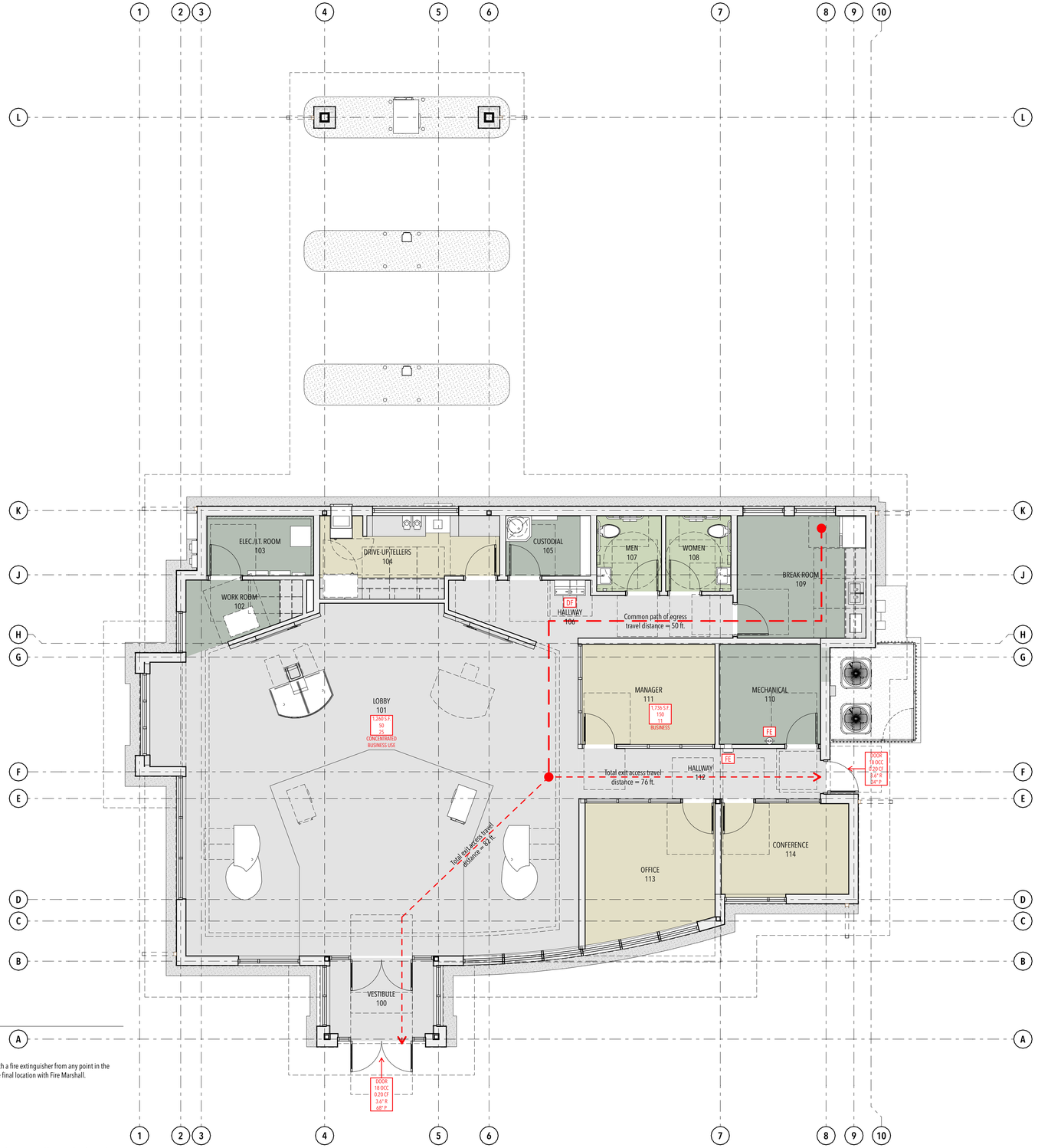
STATE OF UTAH
TONY KENT PANTONE
No. 500963-0301
09.16.24
LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

TYPICAL ANSI ACCESSIBILITY STANDARDS G1.4



LIFE SAFETY SYMBOL LEGEND:

DF	:	Drinking fountain
FE	:	Fire extinguisher - max. travel distance to reach a fire extinguisher from any point in the building shall not exceed 75 feet. Coordinate final location with Fire Marshall.
000 →	:	Number of occupants through door opening
DOOR 200 OCC 0.15 CF 30.0" R 68.0" P	:	Max. occupant load thru exit Min. required exit width Exit width provided; doors measured between doors measured between door face and stop.
OFFICE 900 S.F. 150 6	:	Area of room S.F. per occupant per IBC 1004.5 # of occupants in room
- - - - - -	:	Exit access travel path
— — — — —	:	Common path egress

PLUMBING FIXTURE CALCULATIONS:

USE GROUP	DESCRIPTION	WATER CLOSETS Male	WATER CLOSETS Female	LAVATORIES Male	LAVATORIES Female	DRINKING FOUNTAINS	OTHER	
B	Business	1/25	1/25	1/200	1/150	1/100		1 service sink
	36 occupant load 50:50 ratio 18 males : 18 females	18/25	18/25	18/200	18/150	36/100		1 service sink
	Required fixtures:	.72	.72	.09	.12	.36		1 service sink
	Total Fixtures Provided:	1	1	1	1	2		1 service sink

STUDIO 333

CODE ANALYSIS:

AREA TABULATIONS
New 1st Level Building Area : 2,968 s.f.
Drive-thru Canopy Area : 961 s.f.
Total Building Area : 3,929 s.f.

CIVIL RIGHTS : YEAR
American Disability Act (ADA) : 2010
Standard for Accessible Design

APPLICABLE CODES : YEAR
International Building Code (IBC) : 2021
International Mechanical Code (IMC) : 2021
International Plumbing Code (IPC) : 2021
International Fire Code (IFC) : 2021
International Energy Conservation Code (IECC) : 2021
International Existing Building Code (IEBC) : 2021
National Electric Code (NEC) : 2020
ICC/ANSI A117.1 Accessibility Standards : 2017

USE AND OCCUPANCY CLASSIFICATION (Chapter 3):
Occupancy Classification (302) : B (Business)
Other Occupancies : S-2 (Low Hazard Storage)
Occupancy Separations (508.4) : None

GENERAL BUILDING HEIGHTS AND AREAS (Chapter 5)
Allowable Building Height (504.3) : 40 ft.
Actual Building Height : 24'-6"
Allowable Number of Stories above Grade Plane (504.4) : 2
Actual Number of Stories above Grade Plane : 1

TYPES OF CONSTRUCTION (Chapter 6):
Type of Construction (601) : VB
Automatic Sprinkler System : Not Required

FIRE-RESISTIVE REQUIREMENTS (Hours): : TYPE VB (601)
Primary Structural Frame 0
Bearing Walls - Exterior 0
Bearing Walls - Interior 0
Nonbearing Walls and Partitions - Exterior 0
Nonbearing Walls and Partitions - Interior 0
Floor Construction and Associated Secondary Members 0
Roof Construction and Associated Secondary Members 0

FIRE DOOR ASSEMBLIES (Section 716.5):
1-hour Partition Fire Rating : 3/4-hour fire assembly rating
1/2-hour Partition Fire Rating : 1/3-hour fire assembly rating

AUTOMATIC SPRINKLER SYSTEMS (Chapter 9):
Automatic sprinkler system not required/provided

MEANS OF EGRESS:
Exit Access Travel Distance:
B (Business) : 200 l.f. without sprinkler system (Table 1017.2)

Maximum Common Path of Egress Travel Distance:
B (Business) : 75 l.f. without sprinkler system (Table 1006.3.2)

BUILDING (Credit Union Branch)
Allowable Area Factor (506.2) : 9,000 s.f. / Story (At)
Building Perimeter : 249 l.f. (P)
Building Perimeter with >/= 30 ft. clear : 249 l.f. (F)
Width of Public Way : 30 ft. Average (W=30)

Frontage Increase (506.3) : If=(F/P-0.25)W/30
If=(249/249-0.25)30/30
If=.75

Allowable Area (Single-Occupancy, One-story Buildings) (506.2.1) : Aa=[At+(NS x If)]
Aa=[9,000+(9,000 x .75)]
Maximum Allowable Area Aa=15,750

BUILDING (Storage Building)
Allowable Area Factor (506.2) : 9,000 s.f. / Story (At)
Building Perimeter : 42 l.f. (P)
Building Perimeter with >/= 30 ft. clear : 42 l.f. (F)
Width of Public Way : 30 ft. Average (W=30)

Frontage Increase (506.3) : If=(F/P-0.25)W/30
If=(42/42-0.25)30/30
If=.75

Allowable Area (Single-Occupancy, One-story Buildings) (506.2.1) : Aa=[At+(NS x If)]
Aa=[9,000+(9,000 x .75)]
Maximum Allowable Area Aa=15,750

OCCUPANT LOAD (1004):

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ACTUAL AREA	OCCUPANT LOAD
Business	150 gross	1,708 s.f.	11
Concentrated Business Use (Lobby/Seating Area)	50 gross	1,260 s.f.	25
Total Occupant Load			36

INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS:
Climate Zone (C301) : Climate Zone 5B

Thermal Envelope Insulation Min. Requirements (Table C402.1.3)	Required:	Provided:
Roofs: Attic and Other	R-38	R-38
Walls: Wood Framed, Above Grade	R-13+R-3.8ci	R-19+R-7.5ci
Slab-On-Grade Floors: Unheated Slabs	R-10 for 24" Below	R-10 for 24" Below

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 3/16" = 1'-0"

STATE OF UTAH
TONY KENT PANTONE
No. 5009631301
09.16.24
LICENSED ARCHITECT

1ST LEVEL LIFE SAFETY PLAN

G2.1

Goldenwest Credit Union - Payson

800 South and 800 West
Payson, Utah

Vicinity Map
Not to Scale

Abbreviations

BCR	Begin Curb Return	PP	Power Pole
BOL	Bollard	PT	Point of Tangency
BRW	Finish Grade – Bottom of Retaining Wall	PVC	Polyvinyl Chloride
CATV	Cable Television Box	PVI	Point of Vertical Intersection
CB	Catch Basin	RCP	Reinforced Concrete Pipe
CMP	Corrugated Metal Pipe	RD	Roof Drain
COB	Cleanout Box	SB	Signal Box
COTG	Cleanout to Grade	SD	Storm Drain
EA	Edge of Asphalt	SDMH	Storm Drain Manhole
EB	Electrical Box	SMH	Sewer Manhole
EC	End of Curve	SP	Signal Pole
ECR	End Curb Return	SS	Sanitary Sewer
FF	Finished Floor	SVZ	Sight Visibility Zone
g	Ground	SW	Secondary Water
GB	Grade Break	TA	Top of Asphalt
GM	Gas Meter	TB	Telephone Box
HB	Hose Bib	TBC	Top Back of Curb
HP	High Point	TC	Top of Grate
I	Irrigation Line	TMH	Telephone Manhole
ICB	Irrigation Control Box	TP	Top of Concrete
Lip	Lip of Gutter	TRW	Finish Grade – Top of Retaining Wall
LP	Light Pole	TW	Top of Walk
MH	Manhole	VC	Vertical Curve
Mon	Monument	VPC	Vertical Point of Curve
PC	Point of Curvature	VPT	Vertical Point of Tangency
PCC	Point of Compound Curvature	WL	Waterline
PI	Point of Intersection	WP	Working Point
PM	Power Meter	WV	Water Valve

Legend

Proposed Curb & Gutter		Existing Improvements	
Proposed Open Face C & G		Existing Asphalt	
Proposed Asphalt		Existing Concrete	
Proposed Concrete		Existing Inlet Box	
Proposed Truncated Domes		Existing Catch Basin	
Proposed Inlet Box		Existing Manhole	
Proposed Catch Basin		Existing Fire Hydrant	FH
Proposed Manhole		Existing Water Valve	WV
Proposed Transformer	T	Existing Overhead Power Line	
Proposed Meter Box		Existing Water	W
Proposed Water Meter		Existing Secondary Water	SW
Proposed Combo Box		Existing Sewer	S
Proposed Fire Hydrant		Existing Storm Drain	SD
Proposed Water Valve		Existing Gas	G
Proposed Water Line	W	Existing Power	P
Proposed Sanitary Sewer	S	Existing Telephone	T
Proposed Storm Drain		Existing Fence	X
Proposed Conduit Line	C	Flowline	
Proposed Power Line	P	Centerline	
Proposed Gas Line	G	Existing Contour	7950
Proposed Fire Line	F	Existing Spot	78.00TA
Proposed Secondary Water Line	SW	Existing Light Pole	
Proposed Roof Drain	RD	Existing Street Light	
Proposed Fence	X	Existing Building	
Ridge line	R	Existing Telephone Box	TB
Grade Break	GB	Existing Power Meter	PM
Proposed Contour	78	Existing Electrical Box	EB
Direction of Drainage		Existing Electrical Cabinet	ECAB
Proposed Spot	78.00TA	Existing Gas Meter	GM
ADA Accessible Route		Existing Water Meter	WM
Property Line		Existing Irrig. Control Box	ICB
Sawcut Line		Existing Bollard	BOL
Proposed Light Pole		Existing Hose Bib	HB
Proposed Street Light		Working Point	
Proposed Building		Existing Deciduous Tree	
Existing Power Pole			
Existing Power Pole w/ Guy		Existing Coniferous Tree	
Existing Utility Marker			
Existing Post		Detail Number / Sheet Number	XX / XX

Civil Sheet Index

Flood Zone

This property lies entirely within Flood Zone X as designated on FEMA Flood Insurance Rate Map for Payson City, Utah County, Utah and Incorporated Areas Map Number 49049C0761F dated June, 19, 2020. Flood Zone X is defined as "Areas determined to be outside the 0.2% annual chance floodplain."

Basis of Bearings

A line between monuments found for the West Quarter Corner and the Witness Corner for the Southwest Corner of Section 17 was assigned the UCS bearing of South 0°00'04" West as the Basis of Bearings to place the Survey on the NAD 1983 Utah Central Zone State Plane Datum as published by Utah County Survey.

Benchmark

Brass Cap Monument for the West Quarter Corner of Section 17, T9S, R2E, SLB&M
Elevation = 4,639.24 feet (NGVD 29, 4639.24 feet)
Utah County Surveyor Tie Sheet, Published January 26, 2016
Observed February 2, 2022

Legal Description

Lot 4, Plat "A", Payson Gateway Subdivision, according to the Official Plat thereof as recorded in the Office of the Utah County Recorder, State of Utah.

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union
21-177 CV

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

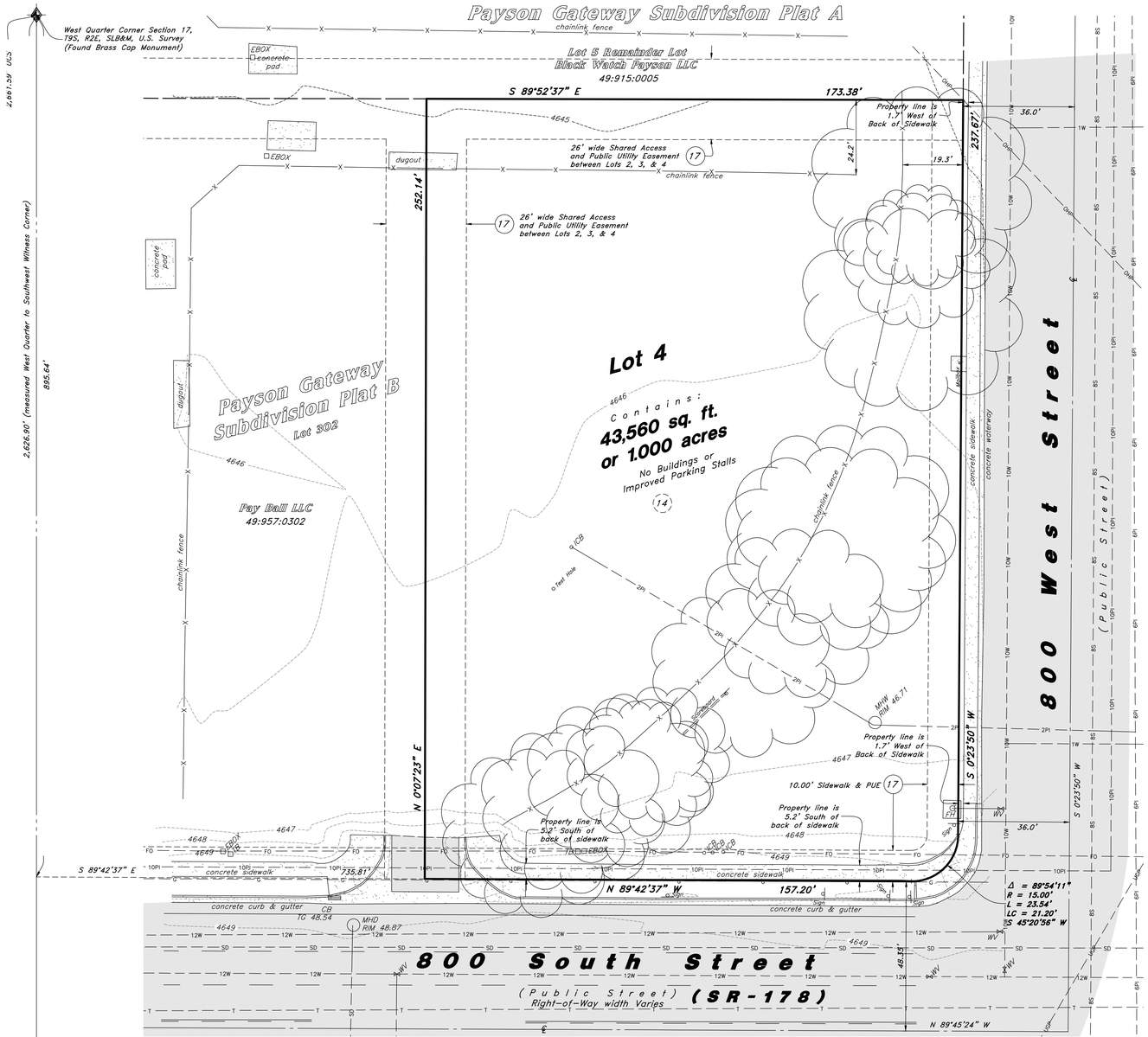
Cover Sheet

GWCU - Payson
800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7798441-2202
ERIC L. MALMBERG
STATE OF UTAH

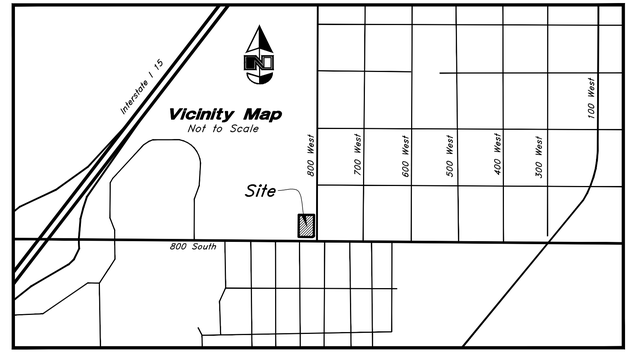
24 Feb, 2024

SHEET NO.
C0.0



Scale: 1" = 20'

20' 0 20' 40'



Narrative

This Survey was requested by Goldenwest Federal Credit Union prerequisite to the development of this property.

This Survey retraces and honors the underlying 2019 Payson Gateway Subdivision recorded as Entry No. 82960:2019 Map No. 16675.

A line between monuments found for the West Quarter Corner and the Witness Corner for the Southwest Corner of Section 17 was assigned the UCS bearing of South 0°00'04" West as the Basis of Bearings to place the Survey on the NAD 1983 Utah Central Zone State Plane Datum as published by Utah County Survey.

No Property Corners were placed with this Survey.

Title Information

This survey was completed using Title Report File No. 1487997-1 and 1487997-2, both dated September 27, 2021 from Stewart Title of Utah, Inc., Issued by Stewart Title Guaranty Company:

Both Title Reports disclose the same Exceptions and are Numbered Identically.

The following survey related items circled (Solid) from Schedule B - Part II of the title report are plotted on the survey:

The following survey related items circled (Dashed) from Schedule B - Part II of the title report blanket all or a portion of this site but contain nothing to plot:

The following survey related items not circled from Schedule B - Part II of the title report could not be plotted:

13 Designation of Right-of-Way for Strawberry Valley Project and the terms, conditions and limitations contained therein, recorded January 22, 1998, as Entry No. 6162, in Book 4499, at Page 560 of County Records plots westerly off site and does not affect this site.

(14) Development Agreement and the terms, conditions and limitations contained therein, recorded November 30, 1999, as Entry No. 124950, in Book 5286, at Page 595 of County Records covers a portion of this site along with more land but contains nothing to plot.

15 Easement Agreement with Payson City Corporation and the terms, conditions and limitations contained therein, recorded September 28, 2004, as Entry No. 110499:2004, of County Records plots westerly offsite and does not affect this site.

(17) Easements, building setback lines, notes, restrictions, dedications and/or conditions of approval as set forth on the Official Dedication Plat of Payson Gateway Plat A, recorded August 27, 2019, as Entry No. 82960-2019.

* Exception No.'s 1-12 are general and/or standard exceptions that do not reveal matters of survey.

Record Description

Lot 4, Plat "A", Payson Gateway Subdivision, according to the Official Plat thereof as recorded in the Office of the Utah County Recorder, State of Utah.

Certification

To Goldenwest Federal Credit Union, Mclachlan FARMS, L.L.C., a Utah limited liability company, as to an undivided fifty percent (50%) tenancy-in-common interest.: Tribe Properties, L.L.C., a Utah limited liability company, as to an undivided twenty-five percent (25%) tenancy-in-common interest; Westfield Holdings, LLC, a Utah limited liability company, as to an undivided fifteen and one hundredth percent (15.01%) tenancy-in-common interest; Donnkay LLC, a Utah limited liability company, as to an undivided nine and ninety-nine hundredths percent (9.99%) tenancy-in-common interest, Stewart Title of Utah, Inc., and Stewart Title Guaranty Company.

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 2, 3, 4, 5, 8 and 11(a) of Table A thereof. The fieldwork was completed on February 2, 2022.

Date: 10 Feb, 2022

PROFESSIONAL LAND SURVEYOR 362256 BRUCE D. PIMPER STATE OF UTAH

Bruce D. Pimper

Bruce D. Pimper
Utah PLS No. 362256

Benchmark

Brass Cap Monument for the West Quarter Corner of Section 17, T9S, R2E, SLB&M
Elevation = 4,639.24 feet (NGVD 29, 4639.24 feet) Utah County Surveyor Tie Sheet, Published January 26, 2016 Observed February 2, 2022

Notes

According to ALTA standards, the surveyor cannot certify a survey based upon an interpretation. The surveyor is not authorized to interpret zoning codes, nor can the surveyor determine whether certain improvements are burdening or actually benefiting the property.

Pertaining to ALTA Table A Item No. 6: No zoning information was supplied for review, information provided was found on the Payson City Zoning Website.

ALTA requirements do not mention trees or vegetation. The Surveyor has shown significant observation of trees under Table A Item Number 8. Trees from Adjoining Parcels may canopy over the property which may not show on this survey.

Pertaining to ALTA Table A Item No. 8: There were no observed areas of substantial refuse on the site.

Pertaining to ALTA Table A Item No. 11(a): The location and/or elevation of existing utilities shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. No underground explorations were performed.

Flood Plain Data

This property lies entirely within Flood Zone X as designated on FEMA Flood Insurance Rate Map for Payson City, Utah County, Utah and Incorporated Areas Map Number 49049C0761F dated June, 19, 2020. Flood Zone X is defined as "Areas determined to be outside the 0.2% annual chance floodplain."

Zoning Information

Zone	=	MU (Mixed Use)
Building Setback Requirements		
Front yard	=	min 0' max 10'
Back yard	=	10' (20' against residential)
Side yard	=	none (min 20' max 50' adjacent to residential) min 0' max 10' adjacent to street
Height Restrictions	=	The primary building or structure may not exceed four (4) stories. Furthermore, the interior ceiling height of a structure shall not exceed forty-eight (48) feet to allow for taller retail ceilings on the first level (retail/commercial only.). Decorative architectural elements, parapet walls, trusses, and other sloped roofs may exceed forty-eight (48) feet. Portions of the structure within thirty (30) feet of a residential zone shall be limited to one story greater than the maximum allowed in the abutting residential zone.
Lot Coverage	=	80%

Legend

- Property Line
- Easement Line
- Adjoiner Line
- S — Sanitary Sewer Line
- W — Culinary Water Line
- SD — Storm Drain Line
- OHP — Overhead Power
- UGP — Underground Power
- T — Telephone Line
- X — Fence Line
- Section Line
- ℄ — Center Line
- FO — Fiber Optic Line
- Section Corner
- MH — Manhole
- FH — Fire Hydrant
- WV — Water Valve
- Sign
- TB — Telephone Box
- EBOX — Electrical Box
- Deciduous Tree
- Asphalt
- Concrete
- Contour
- UCS — Utah County Survey
- ICB — Irrigation Control Box

REV	DATE	DESCRIPTION

Designed by: BDP
Drafted by: TC
Client Name: GWCU

21-177 AS

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWengineering.net

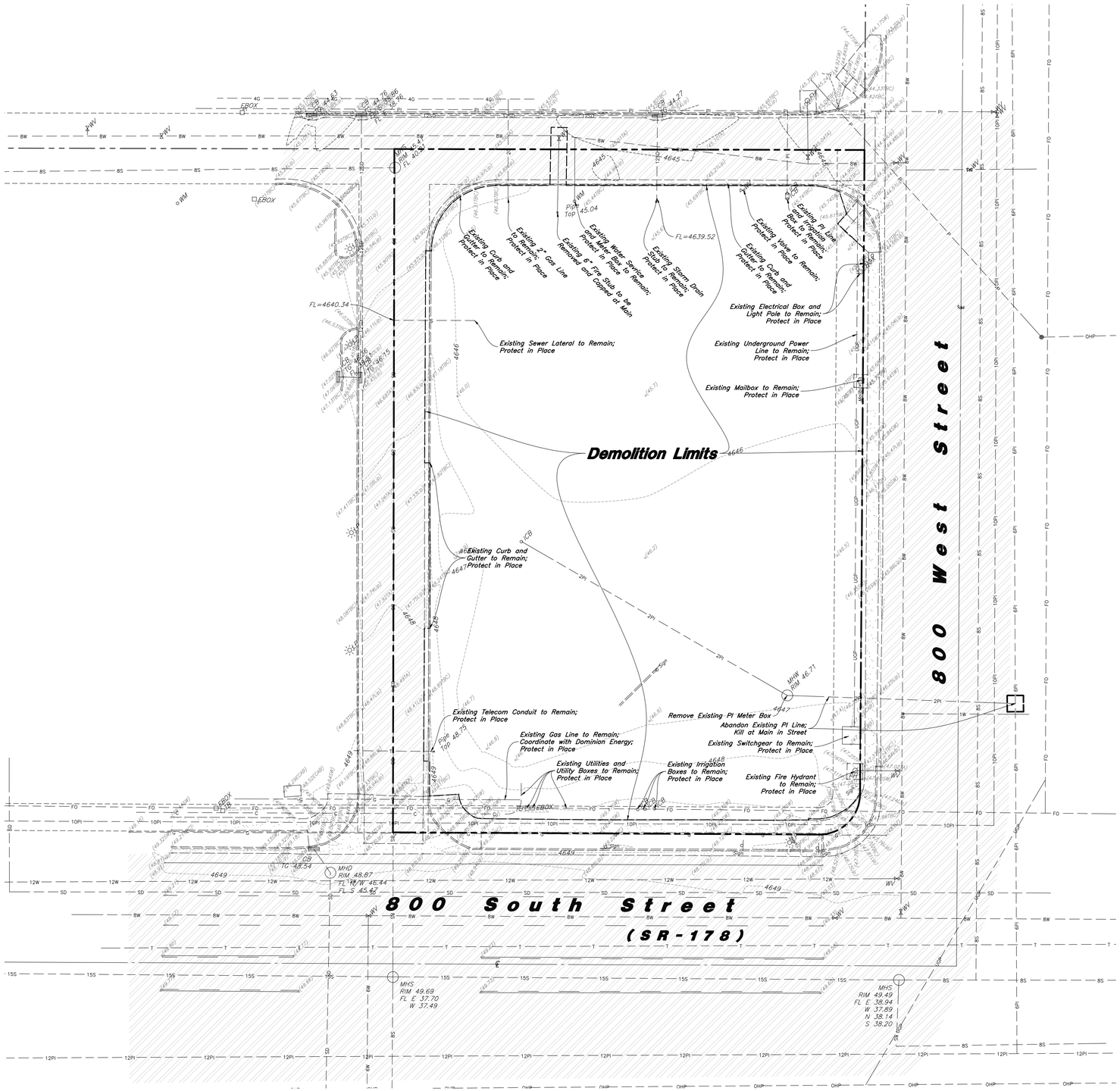
ALTA / NSPS Land Title Survey

GWCU Payson

824 West 800 South
Payson, Utah County, Utah
A Part of the Southwest 1/4 of Section 17, T9S, R2E, SLB&M, U.S. Survey

8 Feb, 2022

SHEET NO. 1 of 1



General Demolition Notes:

1. Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
2. Refer to site improvement plans for more details on limits of removal.
3. All curbs, gutters, walks, slabs, fences, flatwork, asphalt, waterlines and meters, gas lines, sewer lines, light poles, buried cables, storm drain piping and structures within the demolition limits to be cleared from site unless otherwise shown.
4. All utilities, sewer, water, gas, telephone and electrical services to be disconnected and capped according to city, county and utility company requirements, unless otherwise shown.
5. Excavated areas to be backfilled with clean granular material compacted to 95% of maximum lab density as determined by ASTM D 1557-00. (Test results to be given to owner) Excavated areas should be backfilled per the geotechnical report prepared for the project.
6. Clear and grub trees, shrubs, and vegetation within demolition limits, disposal to be off-site except where noted otherwise.
7. DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
8. Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
9. The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
10. Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
11. Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
12. Contractor shall verify with city any street removal, curb cuts, and any restoration required for utility line removal.
13. Install traffic warning devices as needed in accordance with local standards.
14. Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.
15. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.
16. Limits of demolition/disturbed areas shown on the plans may not be an exact depiction. It is the contractor's responsibility to determine the means and methods of how the work will be completed. The contractor shall determine the area of construction impact. The contractor is responsible to restore all impacted areas and all restoration shall be part of the contract bid.
17. Contractor shall shore and protect neighboring properties per OSHA stds. during excavation activities when necessary. All excavation shall remain on and within the bounds of the subject property. Unless specifically noted on the plans and approval from the adjoining neighbor has been obtained prior to any excavation beyond the subject property limits.

CAUTION :

The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete.

Know what's below. Call 811 before you dig.
BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union
21-177 DM

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Demolition Plan

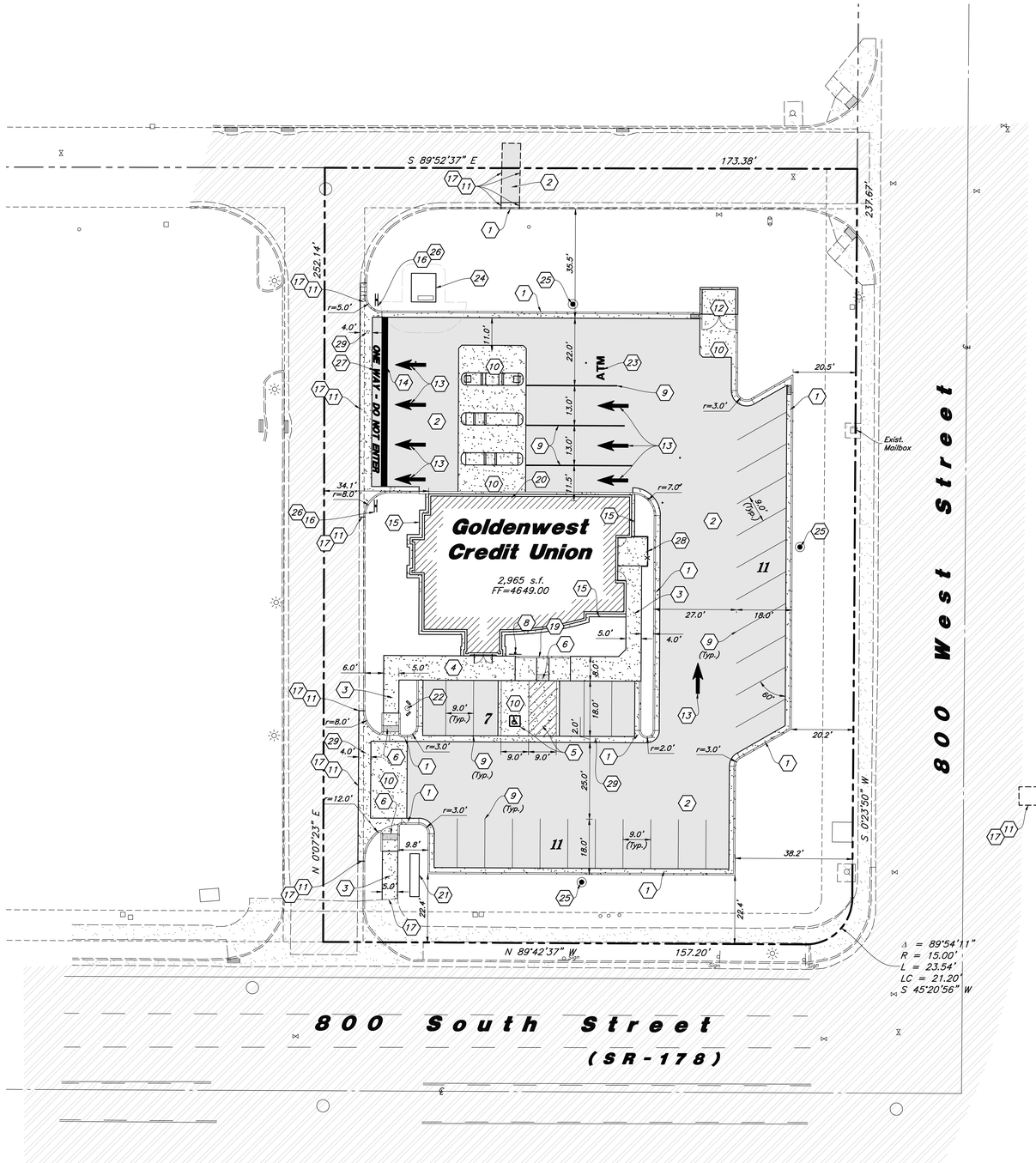
GWCU - Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7736441-2202
ERIC J. MAJMEERG
STATE OF UTAH

24 Feb, 2024

SHEET NO.
C0.1



Site Data

Site Area = 43,560 s.f. (1.000 ac.)
Landscape Area Provided = 14,809 s.f. (34.0%)
Impervious Area Provided = 25,786 s.f. (59.2%)
Building Area = 2,965 s.f. (6.8%)
Parking Provided = 29 stalls (9.78/1,000)

Scale: 1" = 20'

20' 0 20' 40'

Hatch Legend

- Standard Asphalt Paving
- Existing Asphalt Paving
- Standard Concrete Paving
- Existing Concrete Paving
- Building Interior

General Site Notes:

1. All dimensions are to back of curb unless otherwise noted.
2. Fire lane markings and signs to be installed as directed by the Fire Marshal.
3. Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.
4. Const. curb transition at all points where curb abuts sidewalk, see detail.
5. Contractor shall place asphalt paving in the direction of vehicle travel where possible.
6. Limits of demolition/disturbed areas shown on the plans may not be an exact depiction. It is the contractor's responsibility to determine the means and methods of how the work will be completed. The contractor shall determine the area of construction impact. The contractor is responsible to restore all impacted areas and all restoration shall be part of the contract bid.

Construction Survey Note:

The Construction Survey Layout for this project will be provided by Anderson Wahlen & Associates. The Layout Proposal and Professional Services Agreement will be provided to the General Contractor(s) for inclusion in base bids. The Survey Layout proposal has been broken out into Building Costs and Site Costs for use in the Site Work Bid Form.

Site Construction Notes

1. Const. 24" Curb & Gutter (1 C4.1)
2. Const. Asphalt Paving (2 C4.1)
3. Const. Conc. Sidewalk (4 C4.1)
4. Const. Thickened Edge Sidewalk (5 C4.1)
5. Const. Accessible Striping per MUTCD & ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes) (1 C2.3)
6. Const. Accessible Curb Ramp and Truncated Domes per ICC/ANSI A117.1 (Latest Edition) (See Grading Detail Sheets)
7. Const. Accessible Sign per MUTCD & ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes) (2 C2.3)
8. Const. Accessible VAN Sign per MUTCD & ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes) (2 C2.3)
9. Const. 4" White Paint Stripe (Typ.) Contractor shall provide 15 mils min. Dry Thickness (Two Coats)
10. Const. Conc. Paving (6 C4.1)
11. Sawcut; Provide Smooth Clean Edge
12. Dumpster Enclosure (See Arch. Plans)
13. Const. Directional Arrows per MUTCD
14. Const. 24" White Stop Bar
15. Const. Conc Mowstrip (3 C4.1)
16. Const. Stop Sign per MUTCD R1-1
17. Conn. & Match Existing Improvements
18. Const. Landscape Edging (Coordinate w/ Landscape Plan)
19. Const. 6" Conc. Curb Wall (7 C4.1)
20. Const. 10" Conc. Curb Wall (7 C4.1)
21. Const. Monument Sign
22. Const. Flag Pole
23. Const. "ATM" Pavement Messaging Paint. Contractor shall provide 15 mils min. Dry Thickness (Two Coats)
24. Transformer (See Elec. Plans)
25. Const. Light Pole (See Electrical and Photometric Plans)
26. Const. "Do Not Enter" Sign
27. Const. "One Way – Do Not Enter" Pavement Messaging Paint. Contractor shall provide 15 mils min. Dry Thickness (Two Coats)
28. Const. Fence Around Equipment (See Arch. Plans)
29. Const. Concrete Waterway (16 C4.2)

Survey Control Note:

The contractor or surveyor shall be responsible for following the National Society of Professional Surveyors (NSPS) model standards for any surveying or construction layout to be completed using Anderson Wahlen and Associates ALTA Surveys or Anderson Wahlen and Associates construction improvement plans. Prior to proceeding with construction staking, the surveyor shall be responsible for verifying horizontal control from the survey monuments and for verifying any additional control points shown on an ALTA survey, improvement plan, or on electronic data provided by Anderson Wahlen and Associates. The surveyor shall also use the benchmarks as shown on the plan, and verify them against no less than three existing hard improvement elevations included on these plans or on electronic data provided by Anderson Wahlen and Associates. If any discrepancies are encountered, the surveyor shall immediately notify the engineer and resolve the discrepancies before proceeding with any construction staking.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union

21-177 SP

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Site Plan

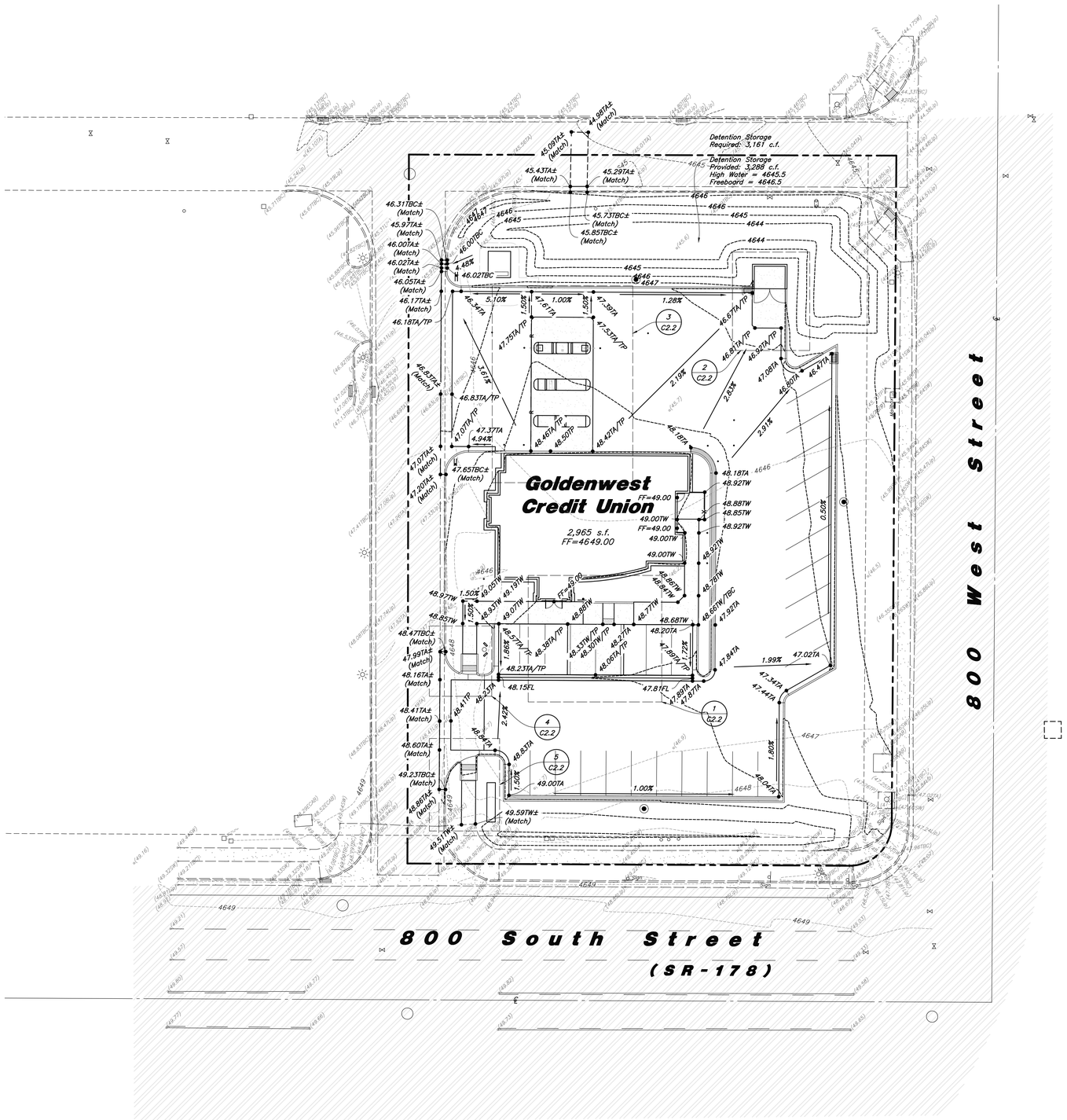
GWCU - Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7798441-2202
ERIC H. MALMBERG
STATE OF UTAH
06/27/2024

24 Feb, 2024

SHEET NO.
C1.1



Scale: 1" = 20'

20' 0 20' 40'

General Grading Notes:

1. All grading shall be in accordance with the project geotechnical study.
2. Cut slopes shall be no steeper than 3 horizontal to 1 vertical.
3. Fill slopes shall be no steeper than 3 horizontal to 1 vertical.
4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by a Geotechnical Engineer.
5. Areas to receive fill shall be properly prepared and approved by a Geotechnical Engineer prior to placing fill.
6. Fills shall be benched into competent material as per specifications and geotechnical report.
7. All trench backfill shall be tested and certified by a Geotechnical Engineer.
8. A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
9. The final compaction report and certification from a Geotechnical Engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
10. Dust shall be controlled by watering.
11. The location and protection of all utilities is the responsibility of the permittee.
12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading process.
13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the City Engineer.
14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
17. The recommendations in the following Geotechnical Engineering Report by GSH Geotechnical, Inc. are included in the requirements of grading and site Preparation. The Report is titled "Report; Geotechnical Study, Proposed Goldenwest Credit Union – Payson; Northwest Corner of 800 West and 800 South; Payson, Utah"

    Project No.: 0645-016-22
    Dated: February 7, 2022
18. As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
19. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.

Curb and Gutter Construction Notes:

1. Open face gutter shall be constructed where drainage is directed away from curb.
(1) 2. Open face gutter locations are indicated by shading and notes on the grading plan.
3. It is the responsibility of the surveyor to adjust top of asphalt grades to top of curb grades at the time of construction staking.
4. Refer to the typical details for standard and open face curb and gutter dimensions.
(2) 5. Transitions from open face to standard curb and gutter are to be smooth. Hand form these areas if necessary.
6. Spot elevations are shown on this plan with text masking. Coordinate and verify site information with project drawings.

Sidewalk Construction Notes:

1. Concrete sidewalk shall be constructed with a cross slope of 1.5% unless shown otherwise on plan.
2. Running slope of sidewalks shall be built per grades shown on the plan. where grades are not provided, sidewalks shall be constructed with a maximum running slope of 4.5%
3. Refer to the Site Plan for sidewalk dimensions.

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union

21-177 GR

ANA
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

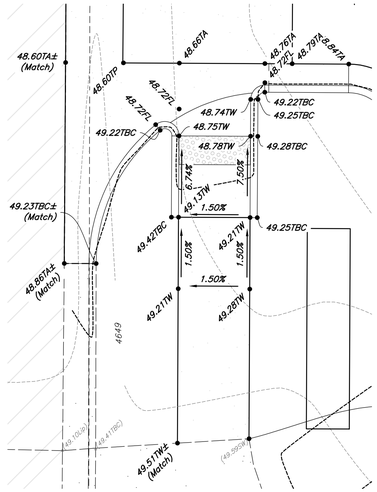
Grading Plan

GWCU - Payson
800 South and 800 West
Payson, Utah

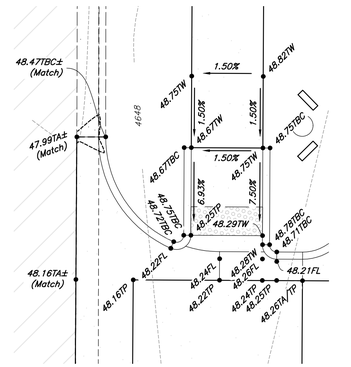
LICENSED PROFESSIONAL ENGINEER
NO. 7736441-2202
ERIC J. MALMBERG
ON 24 FEB 2024
STATE OF UTAH

24 Feb, 2024

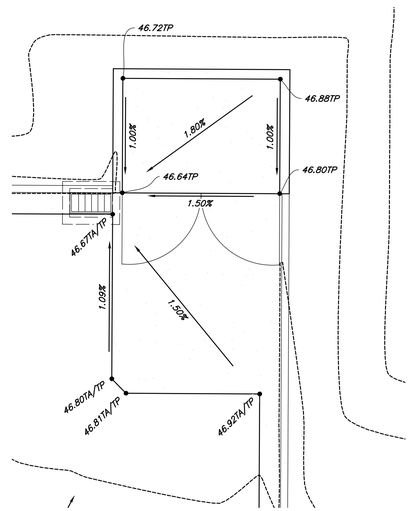
SHEET NO.
C2.1



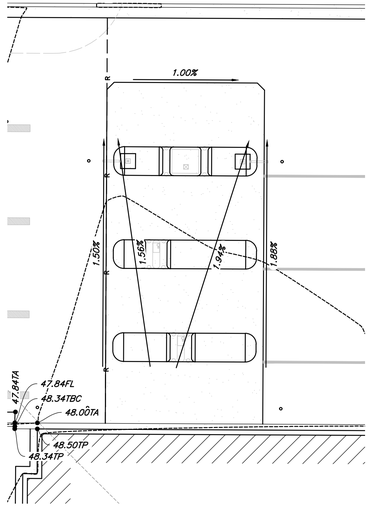
5 **Sidewalk Ramp Detail**
Scale: 1" = 5'



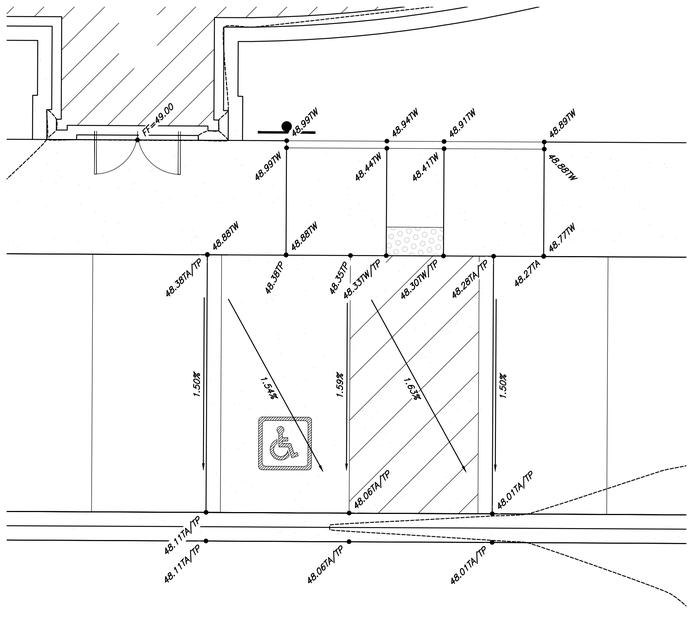
4 **Sidewalk Ramp Detail**
Scale: 1" = 5'



2 **Trash Enclosure Grading Detail**
Scale: 1" = 5'



3 **Drive Thru Grading Detail**
Scale: 1" = 10'



1 **Accessible Stall Grading Detail**
Scale: 1" = 5'

Prior to any construction of any Accessible Improvements, a Pre-Construction meeting shall be held between Contractor and Engineer. Contractor is Responsible to contact Engineer and Schedule Pre-Construction Meeting

Public Curb Ramp Construction Notes

1. *All public curb ramps shall be constructed in accordance with governing municipalities standards and specifications.*
2. *It is the contractors responsibility to obtain governing municipalities standards and specifications.*
3. *The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1-Latest Edition) and/or FHAA.*

Private Curb Ramp Construction Notes

1. *Slopes provided are per Anderson Wahlen & Associates design standards. Slopes shown are below ADA and ICC maximum requirements, unless noted otherwise in project plans.*
2. *The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1-Latest Edition) and/or FHAA.*
3. *Counter slopes of adjoining gutters & paving adjacent to the curb ramp shall not be steeper than 4.50%.*
4. *Accessible ramp flares shall be poured separately from ramp to ensure proper slopes.*
5. *Contractor to transition curb or sidewalk height from 6" to 0" reveal. Curb or sidewalk height to match ramp throughout transition.*

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union
21-177 GR

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Grading Details and Notes

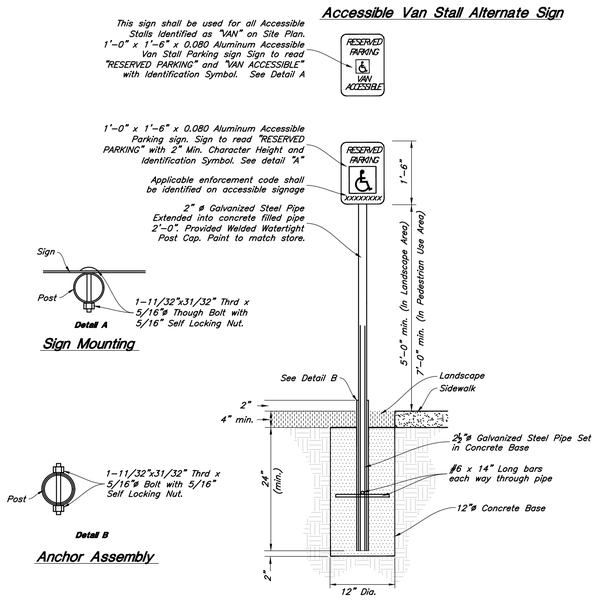
GWCU - Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7776441-2202
ERIC L. MALMBERG
STATE OF UTAH
06/27/2024

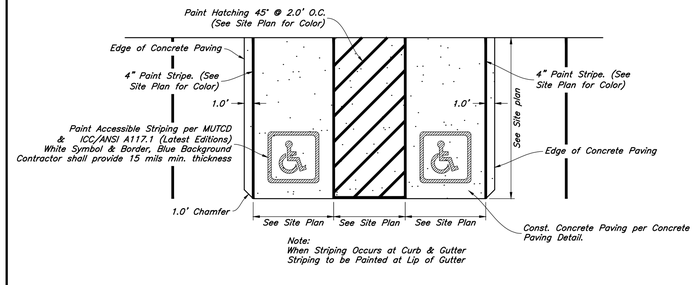
24 Feb, 2024

SHEET NO.
C2.2



Landscape Area Accessible Parking Sign

2 Not to Scale



Accessible Striping Detail

1 Not to Scale

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union

21-177 GR

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Accessible Details and Notes

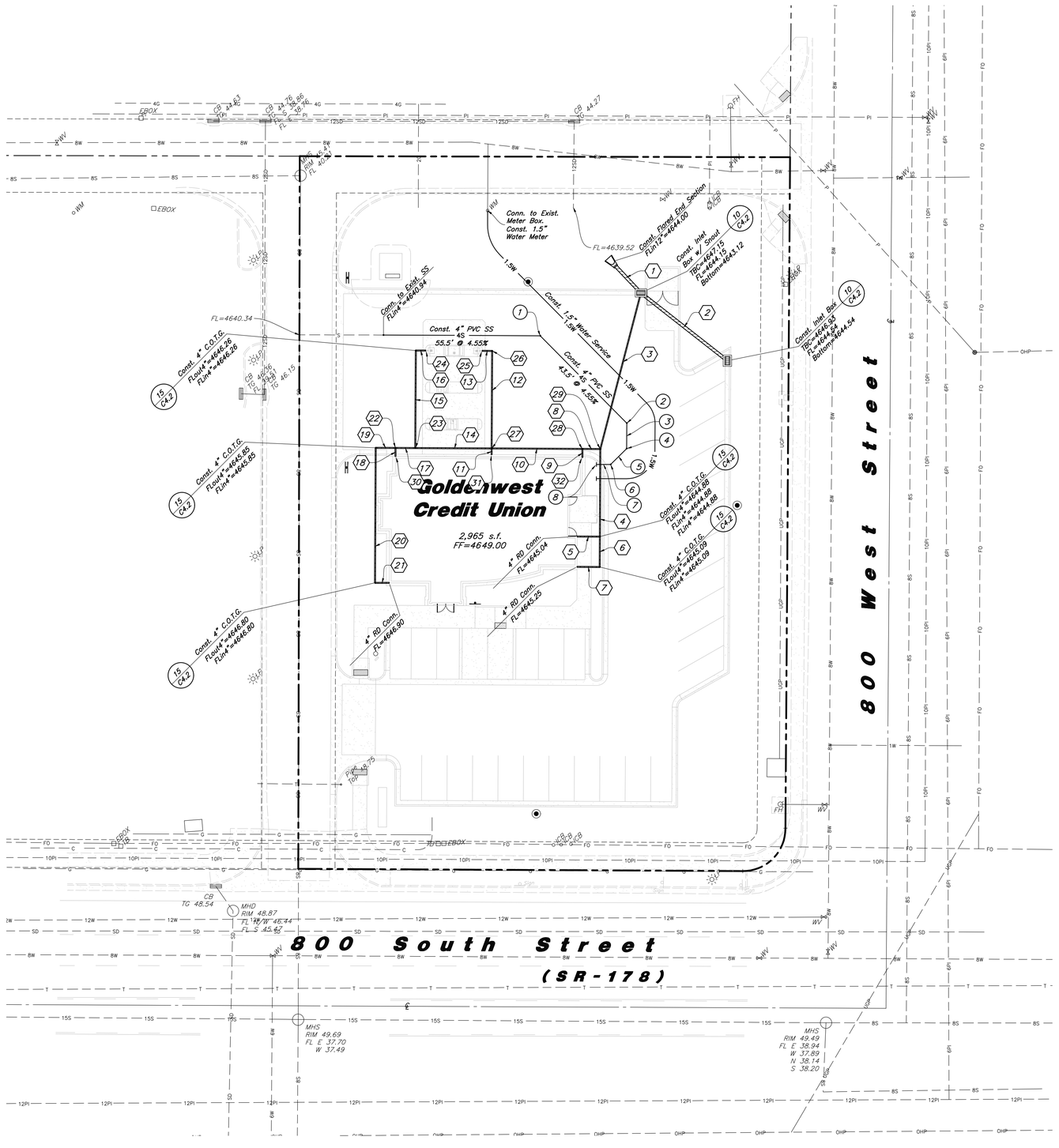
GWCU - Payson

800 South and 800 West
Payson, Utah

REGISTERED PROFESSIONAL ENGINEER
NO. 7704441-2202
ERIC L. MALMBERG
STATE OF UTAH
09/11/2024

24 Feb, 2024

SHEET NO.
C2.3



Storm Drain Keynotes:

1. Const. 12" PVC SD 15.1' @ 1.00%
2. Const. 12" PVC SD 38.9' @ 1.00%
3. Const. 4" PVC SD 57.1' @ 2.00%
4. Const. 4" PVC SD 31.0' @ 2.00%
5. Const. 4" PVC SD 8.0' @ 2.00%
6. Const. 4" PVC SD 10.8' @ 2.00%
7. Const. 4" PVC SD 8.0' @ 2.00%
8. Const. 4" PVC SD 6.3' @ 2.00%
9. Const. 4" PVC SD 3.0' @ 2.00%
10. Const. 4" PVC SD 32.1' @ 2.00%
11. Const. 4" PVC SD 2.2' @ 2.00%
12. Const. 4" PVC SD 34.5' @ 2.00%
13. Const. 4" PVC SD 3.5' @ 2.00%
14. Const. 4" PVC SD 27.0' @ 2.00%
15. Const. 4" PVC SD 34.5' @ 2.00%
16. Const. 4" PVC SD 3.5' @ 2.00%
17. Const. 4" PVC SD 7.0' @ 2.00%
18. Const. 4" PVC SD 3.0' @ 2.00%
19. Const. 4" PVC SD 7.0' @ 2.00%
20. Const. 4" PVC SD 47.8' @ 2.00%
21. Const. 4" PVC SD 5.0' @ 2.00%
22. Const. 4" C.O.T.G. FLout4"=4645.71 FLin4"=4645.71 FLin4"=4645.71 (15 / C4.2)
23. Const. 4" C.O.T.G. FLout4"=4645.57 FLin4"=4645.57 FLin4"=4645.57 (15 / C4.2)
24. Const. 4" RD Connection FLout4"=4646.33
25. Const. 4" RD Connection FLout4"=4645.79
26. Const. 4" C.O.T.G. FLout4"=4645.72 FLin4"=4645.72 (15 / C4.2)
27. Const. 4" C.O.T.G. FLout4"=4645.03 FLin4"=4645.03 FLin4"=4645.03 FLin4"=4645.03 (15 / C4.2)
28. Const. 4" C.O.T.G. FLout4"=4644.38 FLin4"=4644.38 FLin4"=4644.38 (15 / C4.2)
29. Const. 4" C.O.T.G. FLout4"=4644.26 FLin4"=4644.26 FLin4"=4644.26 (15 / C4.2)
30. Const. 4" RD Connection FLout4"=4645.77
31. Const. 4" RD Connection FLout4"=4645.07
32. Const. 4" RD Connection FLout4"=4644.44

Sanitary Sewer Keynotes:

1. Const. 4" C.O.T.G. FLout4"=4643.46 FLin4"=4643.46 (15 / C4.2)
2. Const. 4" C.O.T.G. FLout4"=4645.44 FLin4"=4645.44 (15 / C4.2)
3. Const. 4" PVC SS 9.0' @ 4.55%
4. Const. 4" C.O.T.G. FLout4"=4645.85 FLin4"=4645.85 (15 / C4.2)
5. Const. 4" PVC SS 8.0' @ 4.55%
6. Const. 4" C.O.T.G. FLout4"=4646.21 FLin4"=4646.21 (15 / C4.2)
7. Const. 4" PVC SS 5.0' @ 4.55%
8. Const. 4" SS Building Connection FLout4"=4646.44

Scale: 1" = 20'

20' 0 20' 40'

General Utility Notes:

1. All sewer and water facilities shall be constructed per local jurisdiction standards and specifications. Contractor is responsible to obtain standards and specifications.
2. Coordinate all utility connections to building with plumbing plans and building contractor.
3. Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
4. All catch basin and inlet box grates are to be bicycle proof.
5. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
6. Gas lines, telephone lines, and cable TV lines are not a part of these plans.
7. Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
8. Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible, at no cost to the owner, to construct any vertical adjustments necessary to clear sewer, storm drain, or other utilities as necessary including valve boxes and hydrant spools to proper grade.
9. Contractor shall install a 12" concrete collar around all manholes, valves, catch basins, cleanouts & any other structures located within the asphalt.

Utility Piping Materials:

All piping materials shall be per local agency standards or the specifications below at a minimum. All utility piping shall be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

Culinary Service Laterals

1. Polyethylene (PE) Water Pipe (Up to 3 inches diameter), AWWA C901, PE 3408, SDR 9 (200 psi)
2. Copper Pipe (Up to 3 inches diameter): Type "K."

Water Main Lines and Fire Lines

1. Polyvinyl Chloride (PVC) (4 inches to 12 inches diameter): AWWA C900, Class 235

Sanitary Sewer Lines

1. All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35

Storm Drain Lines

1. 12" pipes or smaller – Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35
2. 15" pipes or larger – Reinforced Concrete Pipe, ASTM C76, Class III

Building Data	
Type:	V–B
Square Footage:	2,965
Fire Sprinkled:	No
Building Height:	24'–6.5"
Fire Flow Required:	1,500 gal/min

CAUTION :

The locations and/or elevations of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete.

Storm Drain & Sanitary Sewer Note:

All Storm Drainage & Sanitary Sewer Pipe Lengths and Slopes are from Center of Structure to Center of Structure

Onsite Utility Connection Notes:

1. Contractor shall field verify all utility connection elevations prior to any utility construction has begun.
2. Contractor shall construct utility lines into site prior to any onsite utility construction. Gravity lines are to be constructed starting at the lowest point and be installed prior to any waterline installation
3. Construction of any onsite utilities prior to the offsite connection will be done at the contractors risk.

PVC Pipe Protection During Construction:

PVC Pipe must have 24" cover for heavy construction loading during construction. The Contractor is responsible to temporarily protect any pipes with less than 24" cover by berming over the pipes.

Know what's below. Call 811 before you dig.
BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name: Goldenwest Credit Union
21–177 UT

ANA
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Utility Plan

GWCU – Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7776441-2202
ERIC J. MALMBERG
06/21/2024
STATE OF UTAH

24 Feb, 2024

SHEET NO.
C3.1

1. REINFORCEMENT: ASTM A 615, grade 60, galvanized or epoxy coated deformed steel rebar or smooth steel dowels with diameter and length as indicated.

   A. Space rebar and dowels at 12 to 15 inches on center.
   B. Grease dowels to provide movement in expansion joints.
   C. Keep tie bars in the vertical center of the concrete slab and perpendicular to the joint during concrete placement.

2. SAWING: Keep at least 3 working power saws on-site when concrete is being placed. Saw crack control joints (contraction joints) before shrinkage cracking takes place. Do not tear or ravel concrete during sawing. In cool weather, the joint sawing may be delayed only for the time required to prevent tearing and raveling the concrete. Cut joints to dimensions recommend by sealant manufacturer and approved by ENGINEER.

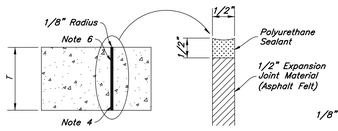
3. JOINTS: Lay out joints to aid construction and control random cracking.

   A. Joint Spacing shall be 12 feet maximum on center in both directions.
   B. Extend transverse contraction joints continuously across the full width of the concrete. Make the joints coincide with curb and gutter joints.
   C. Make adjustments in joint locations to meet inlet or manhole locations.
   D. Expansion Joints shall be placed where concrete abuts a building wall, sidewalk, curb, gutter or any immovable structure.

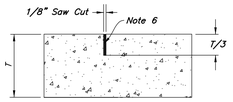
4. JOINT FILLER: Bituminous (Asphalt or tar) mastic, ASTM D994. Formed and encased between 2 layers of bituminous saturated felt or 2 layers of glass-fiber felt extending to the bottom of the concrete slab.

5. BACKER ROD: Round Rods. It must be oversized approximately 25 percent to fit tightly into each joint and compatible with hot poured sealant.

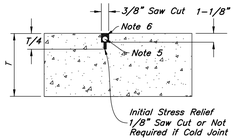
6. JOINT SEALANT: Hot applied, Asphalt base type, ASTM D 3405. Remove dirt, oil, and curing compounds from joint reservoir. Seal joints immediately after cleaning.



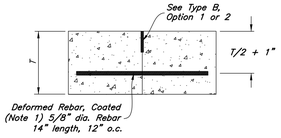
Type A Expansion Joint



Type B Contraction Joint (Option 2)

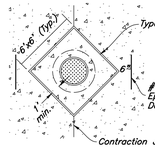


Type B Contraction Joint (Option 1)

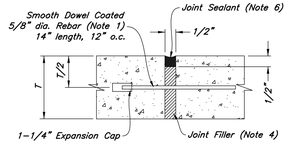


Type C Construction/Cold Joint

Rebar at all corners of expansion joints that do not intersect a contraction joint.



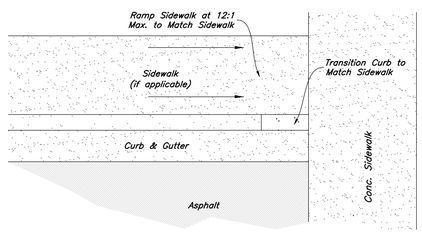
Example 1



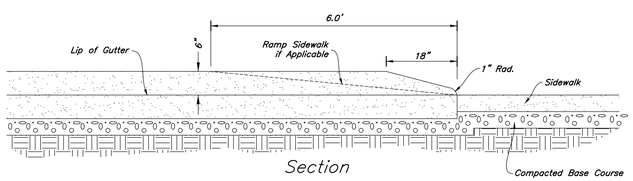
Type F Doweled Expansion Joint at Construction/Cold Joint

9 Concrete Joint Detail

Not to Scale



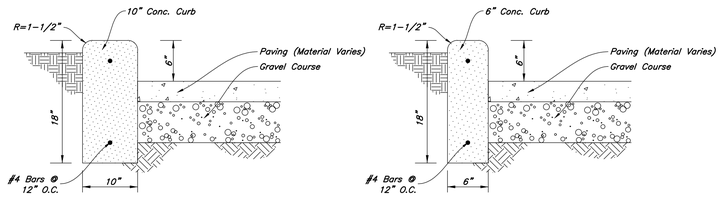
Plan



Section

8 Curb Transition

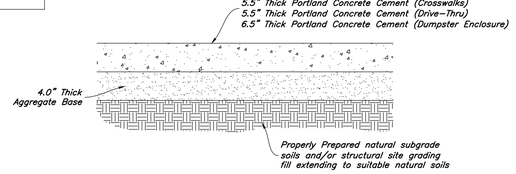
Not to Scale



7 Curb Wall Detail

Not to Scale

1. See Geotechnical Report for Project for Future Details
2. See Concrete Joint Detail



6 Concrete Paving Section

Not to Scale

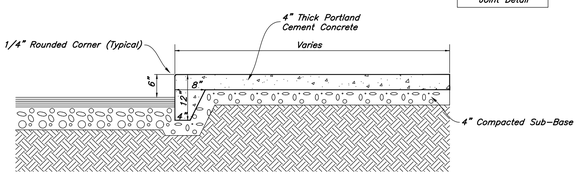
Contraction Joints

A. Spacing = 10' O.C.

Expansion Joints

A. Make expansion joints full depth, see joint detail
B. Place expansion joint at all cold joints
C. Expansion joints are required at the start of end of curb radius.

1. See Concrete Joint Detail



5 Thickened Edge Walk

Not to Scale

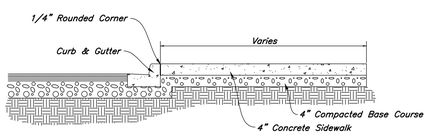
Contraction Joints

A. Spacing = 10' O.C.

Expansion Joints

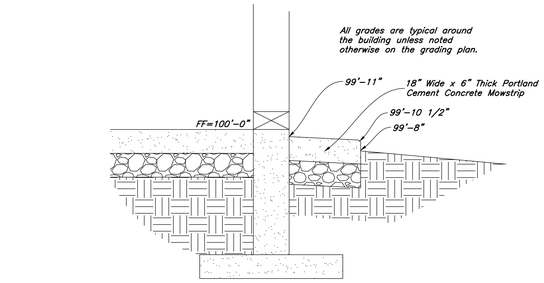
A. Make expansion joints full depth, see joint detail
B. Place expansion joint at all cold joints
C. Expansion joints are required at the start of end of curb radius.

1. See Concrete Joint Detail



4 Typical Sidewalk Detail

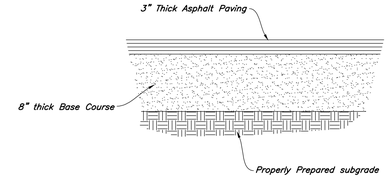
Not to Scale



3 Concrete Mowstrip

Not to Scale

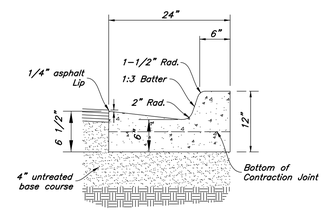
1. See Geotechnical Report for Project



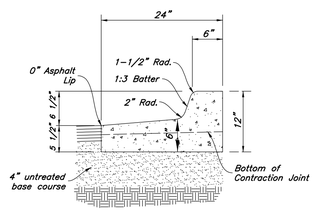
2 Standard Asphalt Section

Not to Scale

1. Contraction Joints
   A. Spacing = 10' o.c., see joint detail
   B. 1/8" wide by 2" deep from top of curb at 15'-0" intervals
2. Expansion Joints
   A. Make expansion joints full depth, see joint detail
   B. Place expansion joint at all cold joints
   C. Expansion joints are required at ends of all radii 0.08.
   D. Required 5'-0" on each side of drainage structures
   E. Required at 90'-0" maximum intervals in straight curb and gutter
   F. Provide #6 x 18" long smooth steel dowel bars with 1" dia. grease cap through expansion joints (¾" thick bituminous filler material)
3. 2'-6" Long tie bar on 2'-6" centers shall be provided when curb is adjacent to P.C.C. pavement
4. Provide (2) #6 x 2'-6" long tie bars to connect existing and new curb and gutter
5. Remove forms as early as possible. Brush top and face of curbs to remove all imperfections. Typical of all form work.
6. All radii shall be true arcs
7. Medium to light broom finish on all exterior concrete



Standard



Open Face

Note: All Curb and Gutter to be Standard Unless Otherwise Noted

1. See Concrete Joint Detail

1 24" Curb And Gutter

Not to Scale

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name: Goldenwest Credit Union
21-177 DT

2010 North Redwood Road, Salt Lake City, Utah 84116
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Details

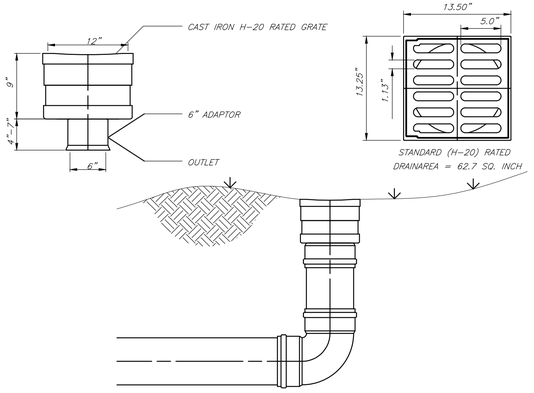
GWCU - Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7778441-2202
ERIC L. MALMBERG
04/11/2024
STATE OF UTAH

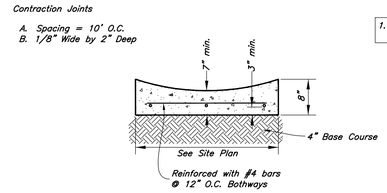
24 Feb, 2024

SHEET NO.
C4.1



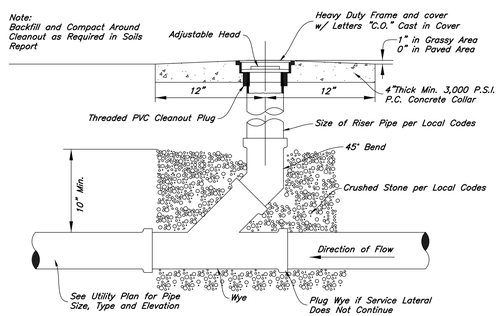
17 12" Landscape Drain

Not to Scale



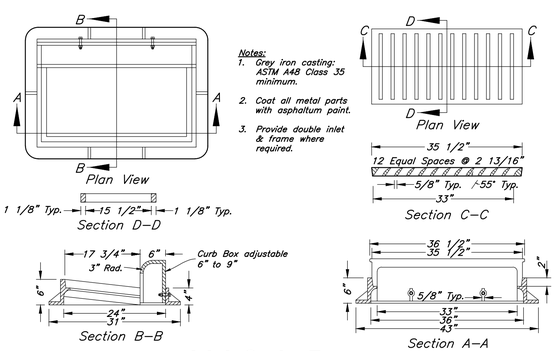
16 Typical Waterway Detail

Not to Scale



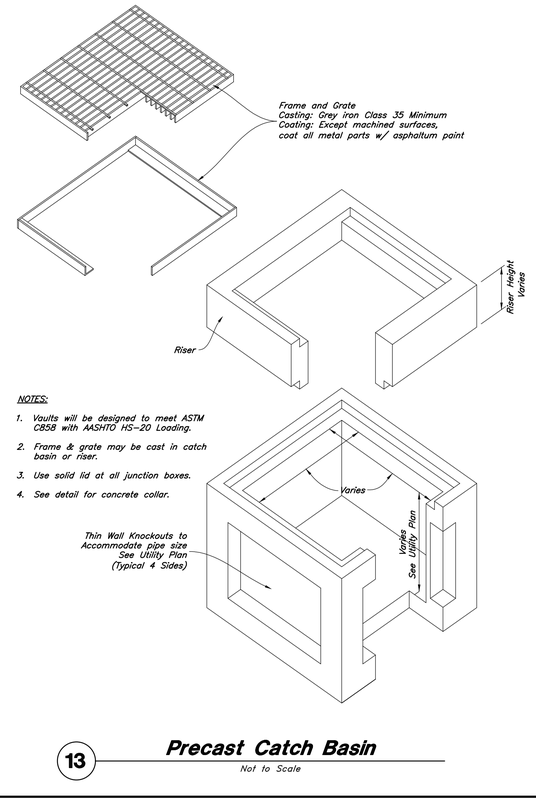
15 Typical Cleanout Detail

Not to Scale



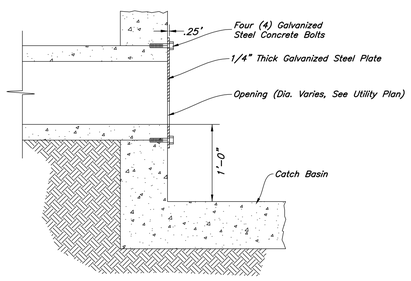
14 Inlet Grate Frame

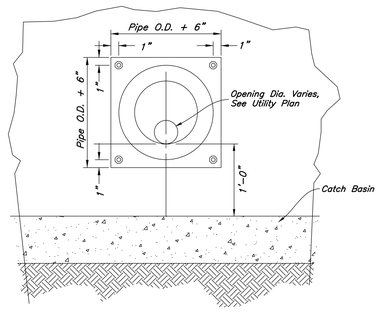
Not to Scale



13 Precast Catch Basin

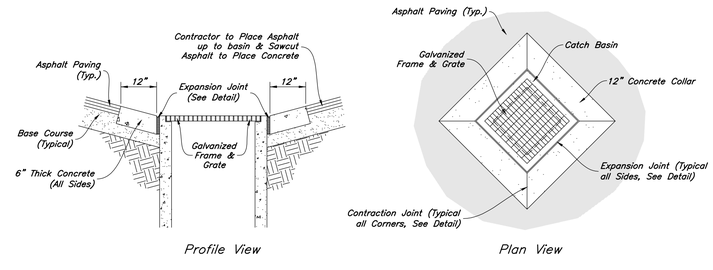
Not to Scale





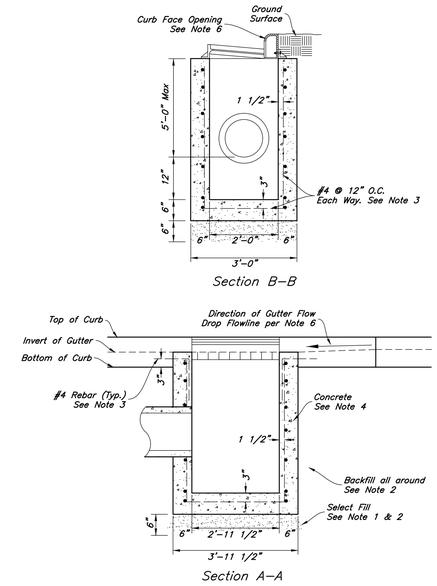
12 Orifice Plate Detail

Not to Scale



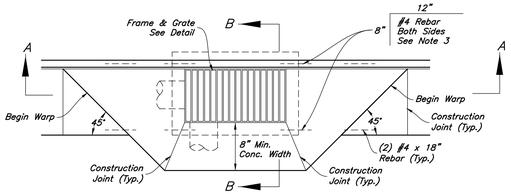
11 Concrete Collar Detail

Not to Scale



Catch Basin Notes:

1. Select Fill: Use untreated base course grade 1 or grade 3/4 per APWA Section 02060. Use of sewer rock or recycled aggregate requires Engineers written approval.
2. Backfill: Install and compact all backfill material or APWA Section 02321.
3. Reinforcement: Use ASTM A 615, grade 60 deformed steel rebar. See APWA Section 03200.
4. Concrete: Class 4,000 per APWA Section 03304. Place per APWA Section 03310. Apply a sealing / curing compound per APWA Section 03390 or use an acceptable alternate curing method.
5. Pipe Laterals: The drawing shows alternate connections to the curb outlet. Refer to construction drawings for connection locations.
6. Curb Face Opening: Make opening 4 inches high. Provide at least a 2 inch drop from the gutter flowline to the invert of the curb face opening.
7. Conc. Apron in front of Inlet Grate to be 8" min. & 12" max.



10 Curb Inlet with Single Grate

Not to Scale

REV	DATE	DESCRIPTION

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Drafted by: DW
Client Name:
Goldenwest Credit Union

21-177 DT

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Details

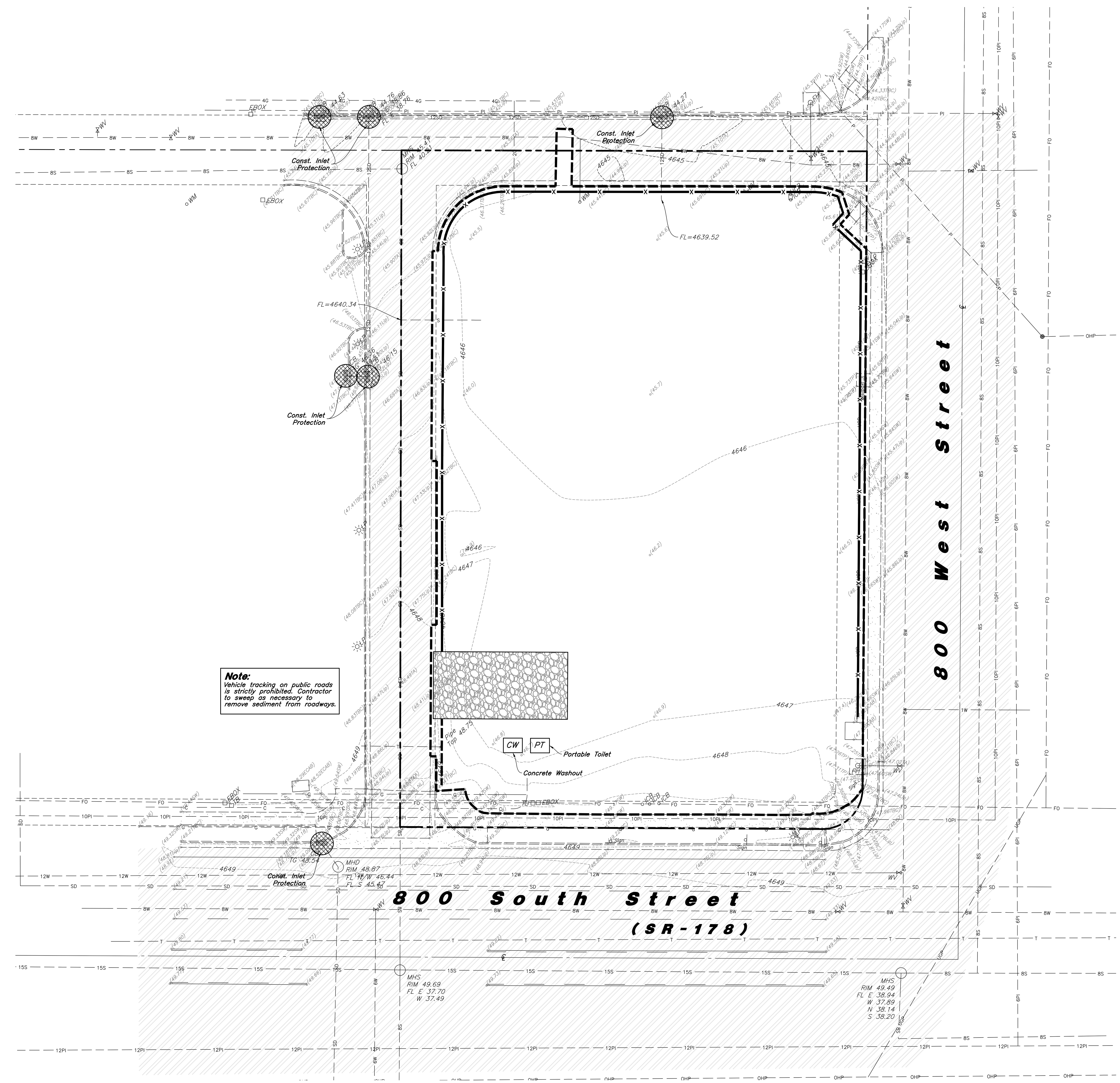
GWCU - Payson

800 South and 800 West
Payson, Utah

REGISTERED PROFESSIONAL ENGINEER
NO. 778441-2202
ERIC L. MALMBERG
11/30/2005
STATE OF UTAH

24 Feb, 2024

SHEET NO.
C4.2



Scale: 1" = 20'

20' 0 20' 40'

Legend

Place Inlet Protection at all Inlet Locations to prevent boxes from silting.		2 / C5.3
Silt Fence	—x—	3 / C5.3
Limit of Disturbance	— —	
Construction Entrance / Truck Wash (50'x24' Min.)		1 / C5.3
Concrete Washout Area	CW	4 / C5.3
Portable Toilet	PT	
Gravel Sock		5 / C5.3
Existing Contour	---78---	
Existing Spot	○(78.00TA)	
Proposed Contour	---78---	

Erosion Control Notes

1. Storm water will be discharged into an existing drainage system. Existing Lines shall be inspected prior to Certificate of Occupancy and cleaned if necessary.
2. The Storm Water Prevention Plan shall conform to all State Division of Environmental Protection Regulations.
3. All Construction equipment will enter thru Designated Construction Entrances.
4. Coordinate Entrance locations with the local jurisdiction.
5. Inlet Protection Devices and Barriers shall be Repaired or Replaced if they Show Signs of Undermining or Deterioration.
6. Silt Fences shall be Repaired to their Original Conditions if Damaged, Sediment shall be Removed from Silt Fences when it Reaches one-half the Height of the Silt Fence.
7. The Construction Entrances shall be Maintained in a Condition which will Prevent Tracking or Flow of Mud onto Public Right-of-Way. This may Require Periodic Top Dressing of the Construction Entrances as Conditions Demand.
8. All Materials Spilled, Dropped, Washed or Tracked from Vehicles onto Roadways or into Storm Drains must be Removed Immediately.
9. Due to the Grade Changes During the Development of the Project, the Contractor shall be Responsible for Adjusting the Erosion Control Measures (Silt Fences, Inlet Protection, Etc...) to Prevent Erosion.
10. Contractor shall use Vehicle Tracking Control at all Locations where Vehicles will Enter or Exit the Site. Control Facilities will be Maintained while Construction is in Progress, Moved when Necessary and Removed when the Site is Paved.
11. Inlet Protection Devices shall be Installed Immediately upon Individual Inlets becoming Functional.
12. This Document is Fluid Allowing for Changes, Modifications, Updates and Alternatives. It is the Responsibility of the Contractor to Keep Record of all Alterations made to the Erosion Control Measures Implemented for the Project on this Plan and in the Storm Water Pollution Prevention Plan.
13. Cover Exposed stockpiles of soils, construction and landscaping materials with heavy plastic sheeting.
14. Re-vegetate areas where landscaping has died or not taken hold.
15. Divert storm water runoff around disturbed soils with berms or dirt swales.
16. Contractor to provide permanent stabilization to any areas disturbed by construction by hydroseeding native vegetation (if not otherwise stabilized).
17. Contractor is responsible for obtaining a fugitive dust control permit through the Division of Air Quality. All responsibilities relating to the production of the dust control plan shall be the responsibility of the Contractor.

REV	DATE	DESCRIPTION

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Drafted by: DW
Client Name:
Goldenwest Credit Union

21-177 EC

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Erosion Control Plan - Phase 1

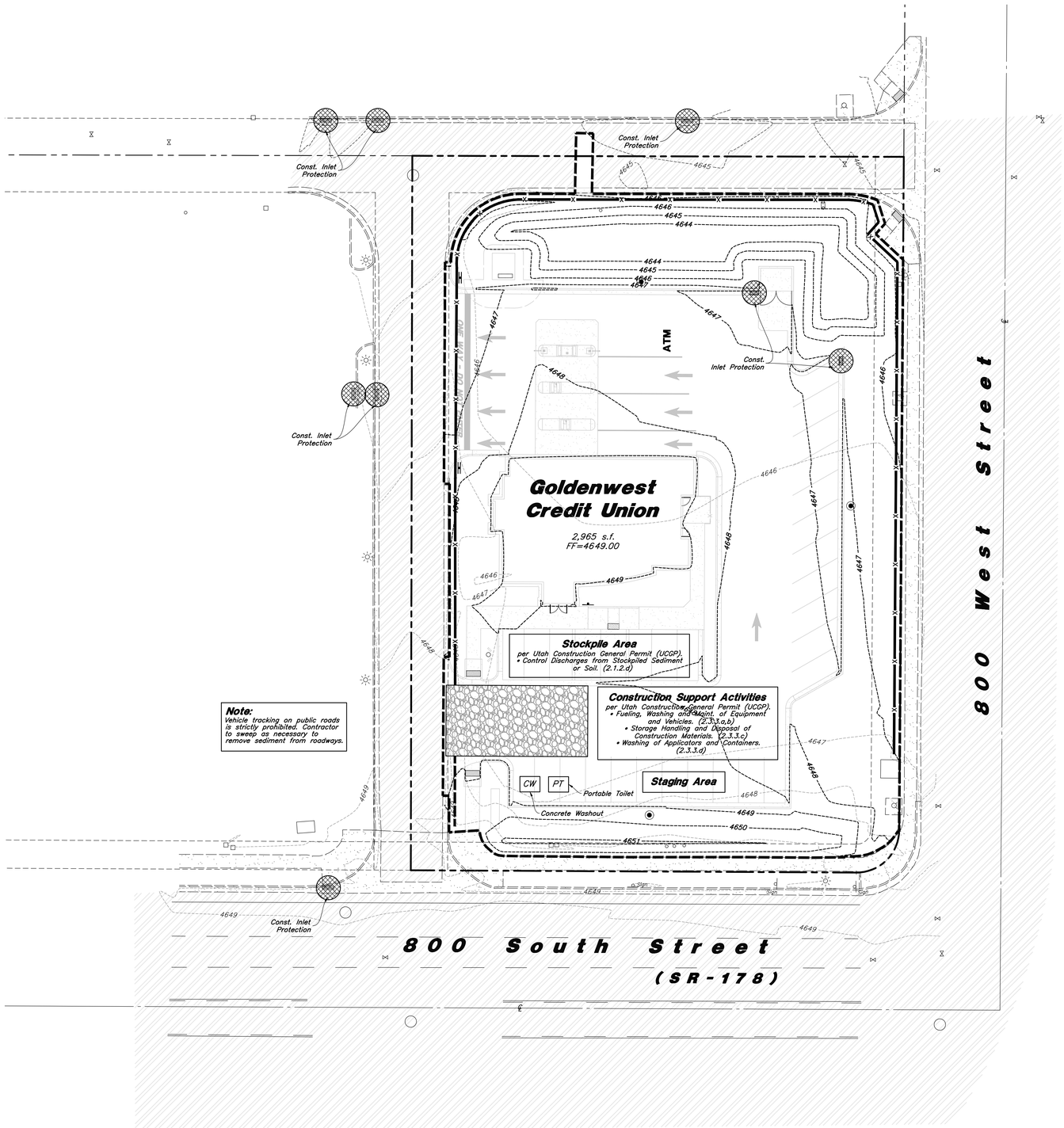
GWCU - Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7736441-2202
ERIC L. MALMBERG
STATE OF UTAH

24 Feb, 2024

SHEET NO.
C5.1



Scale: 1" = 20'

20' 0 20' 40'

Legend

- Place Inlet Protection at all Inlet Locations to prevent boxes from silting. — 2 C5.3
- Silt Fence — X — 3 C5.3
- Limit of Disturbance
- Construction Entrance / Truck Wash (50'x24' Min.) — 1 C5.3
- Concrete Washout Area — CW — 4 C5.3
- Portable Toilet — PT
- Gravel Sock — 5 C5.3
- Existing Contour — 78 —
- Existing Spot — +(78.00TA)
- Proposed Contour — 78

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Client Name:
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21-177 EC

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Erosion Control Plan - Phase 2

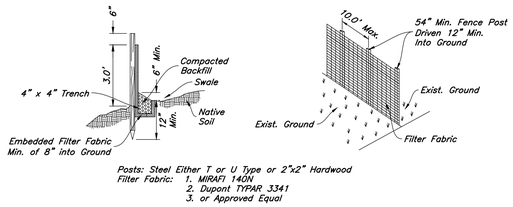
GWCU - Payson

800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7278441-2202
ERIC L. MALMBERG
04/11/2024
STATE OF UTAH

24 Feb, 2024

SHEET NO.
C5.2

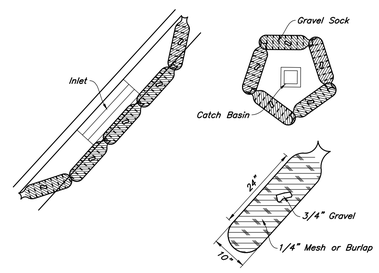


Posts: Steel Either T or U Type or 2"x2" Hardwood
Filter Fabric: 1. MIRAFI 140N
2. Dupont TYPAR 3341
3. or Approved Equal

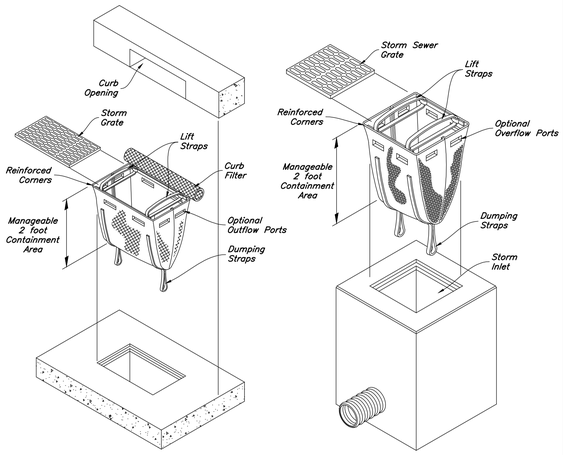
Notes:

1. Filter cloth to be fastened securely to fence posts with wire ties or staples.
2. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
3. Collected material shall be removed when "bulges" develop in the silt fence.

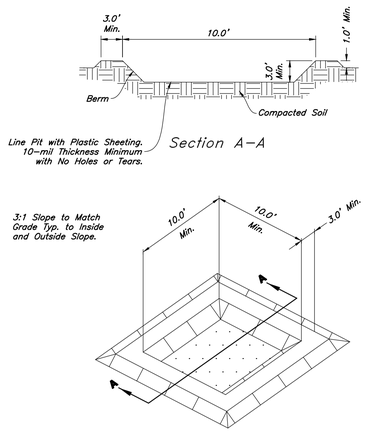
3 Silt Fence Section
Not to Scale



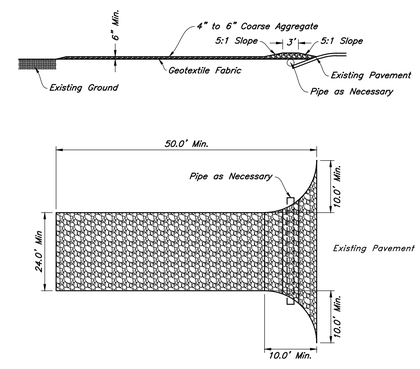
5 Gravel Sock Sediment Barrier
Not to Scale



2 Dandy Sack Inlet Protection
Not to Scale



4 Concrete Washout
Not to Scale



1 Stabilized Construction Entrance
Not to Scale

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union

21-177 EC

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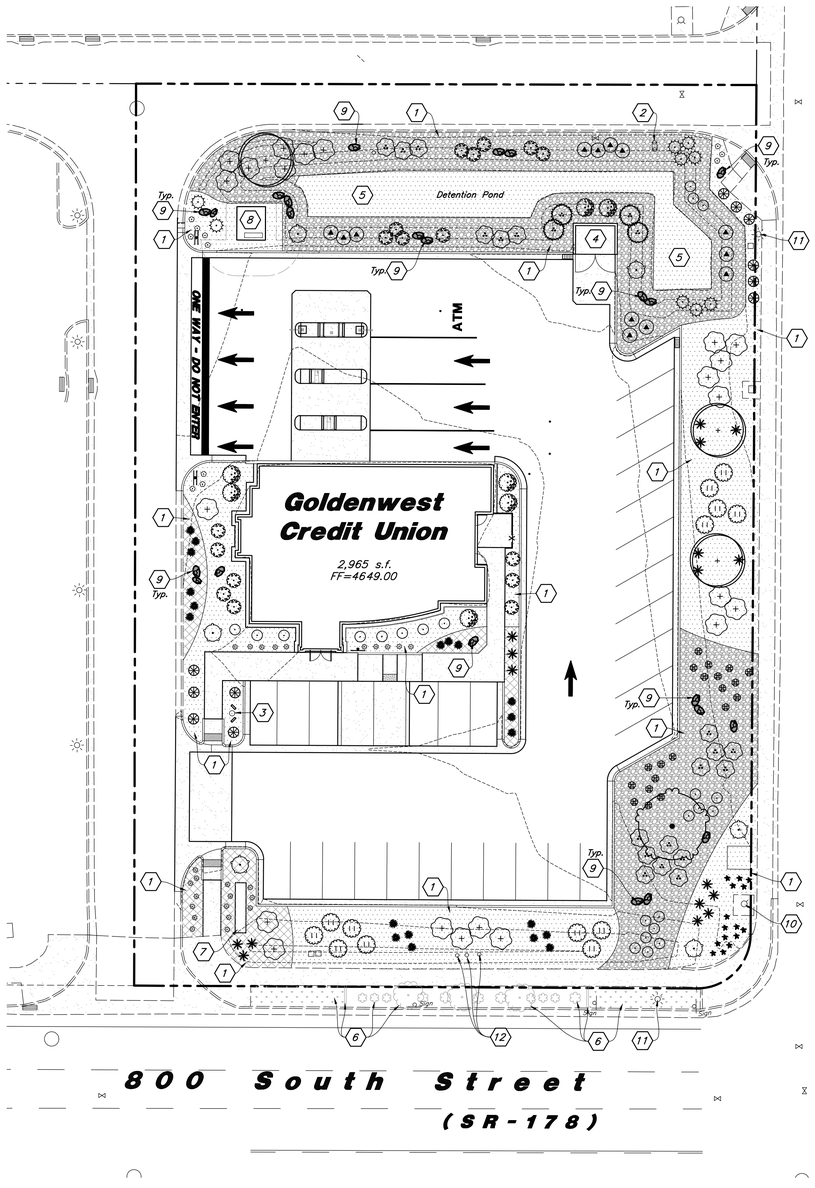
Erosion Control Details

GWCU - Payson
800 South and 800 West
Payson, Utah

LICENSED PROFESSIONAL ENGINEER
NO. 7736441-2202
ERIC L. MALMBERG
STATE OF UTAH

24 Feb, 2024

SHEET NO.
C5.3



PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE
DECIDUOUS TREES			
	1	Malus x 'Prairifire' / Prairifire Crabapple	2" Caliper
	3	Syringa reticulata / Japanese Tree Lilac	2" Caliper
EVERGREEN TREES			
	4	Juniperus scopulorum 'Gray Gleam' / Gray Gleam Juniper	6–8' Ht.
SHRUBS			
	23	Arctostaphylos x coloradensis 'Panchito' / Panchito Manzanita	5 gal
	17	Caragana pygmaea / Pygmy Peashrub	5 gal
	18	Chamaebatiaria millefolium / Fernbush	5 gal
	13	Mirabilis multiflora / Desert Four O'Clock	5 gal
	7	Philadelphus x 'Snowwhite Fantasy' / Snow White Mock Orange	5 gal
	6	Picea pungens 'Globosa' / Dwarf Globe Blue Spruce	5 gal
	9	Pinus mugo 'Pumilio' / Dwarf Mugo Pine	5 gal
	22	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	5 gal
	13	Sphaeralcea grossularifolia / Gooseberryleaf Globemallow	5 gal
	11	Spiraea x bumalda 'Anthony Waterer' / Anthony Waterer Spiraea	5 gal
	17	Spiraea x bumalda 'Limemound' / Limemound Spirea	5 gal
ORNAMENTAL GRASSES			
	20	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	1 gal
	20	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	1 gal
PERENNIALS			
	15	Achillea millefolium 'Paprika' / Paprika Common Yarrow	1 gal
	25	Hemerocallis x 'Stella de Oro' / Stella de Oro Daylily	1 gal
	11	Nepeta racemosa 'Blue Wonder' / Blue Wonder Catmint	1 gal

MATERIAL SCHEDULE

Decorative Stone #1 – Install a Three (3) inch depth over Dewitt Pro5 Weed Barrier; Stone Shall be Used in all Specified Shrub Areas and Washed Prior to Installation; Remove all Soil From Weed Barrier Prior to Laying Stone; Stone Shall be 1 1/2" Diameter Fractured Wasatch Grey Stone from Staker Parson (385–239–0804) or Utah Landscape Rock (435–623–2332) — Detail: 3/L3.1

Decorative Stone #2 – Install a Four (4) inch depth over Dewitt Pro5 Weed Barrier; Stone Shall be Used in all Specified Shrub Areas and Washed Prior to Installation; Remove all Soil From Weed Barrier Prior to Laying Stone; Stone Shall be 1 1/2" Diameter Fractured Tan Colored Stone from Point of the Mountain East Draper Pit From Geneva Rock — Detail: 3/L3.1

Decorative Stone #3 – Install a Eight (8) inch depth over Dewitt Pro5 Weed Barrier; Stone Shall be Used on Hillside of Detention Basin and Washed Prior to Installation; Interlock Stone on Hillside; Remove all Soil From Weed Barrier Prior to Laying Stone; Stone Shall be 3–5" Diameter Fractured Wasatch Grey Stone from Staker Parson (385–239–0804) or Utah Landscape Rock (435–623–2332) — Detail: 3/L3.1

Landscape Boulder – Boulders Shall be 2–3' in Diameter, Fractured and Match Proposed Stone #2 (Tan Rust Color); Boulders Shall be Recessed into the Ground and Washed After Installation; (Brown's Canyon) — Detail: 4/L3.1

Scale: 1" = 20'

20' 0 20' 40'

Landscape Data

Site Area = 43,560 s.f. (1.000 ac.)

Landscape Area Provided = 14,809 s.f. (34.0%)

Landscape Notes:

1. See Sheet L3.1 for Planting Details.
2. All Landscape Material shall be Fully Irrigated by an Automatic Irrigation System. See Sheet L2.1 for Irrigation Layout. See Sheet L3.1 for Irrigation Details.
3. Adjust Plant Material as Needed to Accommodate New and Existing Utilities.
4. No Edging Shall be Used Between Decorative Stone Types. Provide a Distinct Line that is Smooth Flowing and Continuous.

Landscape Keynotes

1. Install Shrub Planter with Commercial Grade Weed Barrier, Decorative Stone and Plant Material; See Material Schedule for Stone Type
2. Existing Secondary Water Irrigation Connection – See Irrigation Plan for More Detail
3. New Flag Pole with Lighting – See Civil Plans for More Detail
4. Dumpster Enclosure with Plant Screening
5. Detention Basin with Decorative Stone; See Grading Plan for More Detail; Interlock Stone and Secure Stone on Hillside – See Material Schedule for More Detail on Stone
6. Existing Lawn and Shrub Areas Shall Remain and be Protected; Shrub Area Contains Street Trees
7. New GWCU Sign by Separate Permit
8. New Elect. Transformer – See Site Elect. Plan; Adjust Plant Material as Needed to Access Doors to Swing Open
9. Install Landscape Boulder; Boulder Shall be Recessed into Decorative Stone; Boulders Shown in Pond Shall be Recessed into Hillside – See Material Schedule for More Detail
10. Existing Fire Hydrant; Keep Area Clear of Plant Material to Allow Access
11. Existing Street Light
12. Existing Irrigation Boxes Shall Remain and be Protected; Irrigation Boxes are Part of Park Strip Irrigation System

General Landscape Notes:

1. Plant material quantities are provided for bidding purposes only. It is the contractors responsibility to verify all quantities listed on the plans and the availability of all plant materials and their specified sizes prior to submitting a bid. The contractor must notify the Landscape Architect prior to submitting a bid if the contractor determines a quantity deficiency or availability problem with specified material. The contractor shall provide sufficient quantities of plants equal to the symbol count or to fill the area shown on the plan using the specified spacing. Plans take precedence over plant schedule quantities.
2. Contractor shall call Blue Stake before excavation for plant material.
3. Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. It shall be the responsibility of the contractor to protect all utility lines during the construction period, and repair any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the landscape construction.
4. The landscape contractor shall examine the site conditions under which the work is to be performed and notify the general contractor in writing of unsatisfactory conditions. Do not proceed until conditions have been corrected.
5. The contractor shall provide all materials, labor and equipment required for the proper completion of all landscape work as specified and shown on the drawings.
6. See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
7. Contractor safety and cleanup must meet OSHA standards at all times. All contractors must have adequate liability, personnel injury and property damage insurance. Clean–up must be performed daily, and all hardscape areas must be washed free of dirt and mud on final cleanup. Construction must occur in a timely manner.
8. All new plant material shall conform to the minimum guidelines established by the American Standard for Nursery Stock Published by the American Association of Nurseryman, Inc. In addition, all new plant material shall be of specimen quality.
9. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the plans and specifications.
10. Any proposed substitutions of plant species shall be made with plants of equivalent overall form, height, branching habit, flower, leaf, color, fruit and culture only as approved by the Landscape Architect.
11. It is the contractors responsibility to furnish all plant materials free of pests or plant diseases. It is the contractor's obligation to maintain and warranty all plant materials.
12. The contractor shall take all necessary scheduling and other precautions to avoid winter, climatic, wildlife, or other damage to plants. The contractor shall install the appropriate plants at the appropriate time to guarantee life of plants.
13. The contractor shall install all landscape material per plan, notes and details.
14. Plant names are abbreviated on the drawings, see plant schedule for symbols, abbreviations, botanical, common names, sizes, estimated quantities and remarks.
15. No grading or soil placement shall be undertaken when soils are wet or frozen.
16. Imported and existing topsoil shall be used for all landscape areas. The topsoil must be a premium quality dark sandy loam, free of rocks, clods, roots, and plant matter. The landscape contractor shall perform a soil test on the imported topsoil and amend per soil test recommendations. The soil test shall be done by a certified soil testing agency.
17. Prior to placement of topsoil in all landscaping areas, all subgrade areas shall be loosened by scarifying the soil to a depth of 6 inches in order to create a transition layer between existing and new soils. Remove all construction debris and foreign material.
18. Provide an eight (8) inch depth of existing and/or imported topsoil in all shrub areas and twelve (12) inches in parking islands.
19. All plant material holes shall be dug twice the diameter of the rootball and 6 inches deeper. Excavated material shall be removed from plant and tree pit and replaced with plant backfill mixture. The top of the root balls, shall be planted flush with the finish grade.
20. Plant backfill mix shall be composed of 3 parts topsoil to 1 part soil pep, and shall be mixed at the planting hole. Deep water all plant material immediately after planting. Add backfill mixture to depressions as needed.
21. All new plants shall be balled and burlapped or container grown, unless otherwise noted on plant schedule. Container grown trees shall have the container cut and removed. Trees in ball and burlap shall have the strings, burlap or plastic cut and pulled away from the trunk exposing 1/3 of the root ball. For trees in wire baskets, cut and remove the wire basket.
22. Upon completion of planting operations, all landscape areas with trees, shrubs, and perennials, shall receive specified stone over Dewitt Pro5 weed barrier. Stone shall be evenly spread on a carefully prepared grade free of weeds. The top of stone should be slightly below finish grade and concrete areas.
23. All deciduous trees shall be double staked per tree staking details. Tree stakes shall be wood and ties shall be V.I.T. Cinche Ties #CT32. It is the contractors responsibility to remove tree staking after one year.
24. Bury 2 inches of boulder height into soil, keeping best visual side above ground. Use care to minimize marring and scratching.
25. Landscape installer shall repair or replace plantings and accessories that fail in materials, workmanship, or growth within specified warranty period. Failures include, but are not limited to, the following: Death and unsatisfactory growth, except for defects resulting from abuse, lack of adequate maintenance, or neglect by Owner, or incidents that are beyond installer's control. Warranty period shall be 12 months and begin at date of final project acceptance.

811 Know what's below. Call before you dig.

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name: Goldenwest Credit Union
21–177 LS

2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Landscape Plan

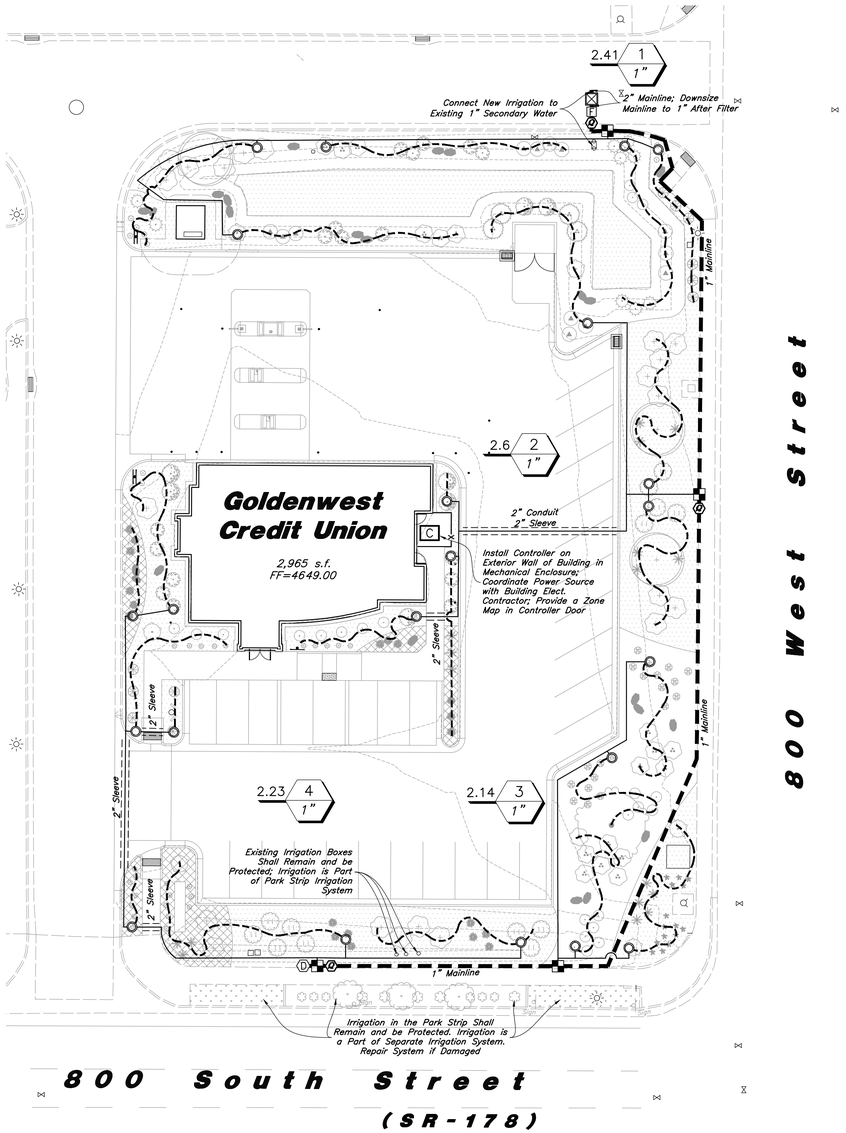
GWCU – Payson

800 South and 800 West
Payson, Utah

State of Utah
Jared R. Manscill
No. 7740426-5301
Professional Landscape Architect
06/09/2026

24 Feb, 2024

SHEET NO.
L1.1



IRRIGATION SCHEDULE

Symbol	Manufacturer/Model #	Description	Notes	Detail
Valves				
	Rain Bird XCZ-100-PRB-COM	Drip Remote Control Valve	1 Inch Size; Drip Control Zone Kit; Install in Standard Valve Box with 3" Depth of Gravel over Weed Barrier; Install with Water Proof Wire Connectors	6/L3.1
Q	Rain Bird 44NP	Non-Potable Quick Coupler Valve with Swing Joint	1 Inch Size; Install in 10" Round Valve Box with 3" Depth of Gravel over Weed Barrier	7/L3.1
D	Matco-Norca 759	Manual Drain Valve	1/2" Inch Size; Install at End of Mainline and After Filter in a 10" Round Valve Box with 6" Depth Sump of Gravel Over Weed Barrier	10/L3.1
Drip				
	PVC Pipe To Drip Tubing	Provide Connection Fittings	Install 1" Feeder Line To All Drip Areas	12/L3.1
	Netafirm TLDL9-12XX	Techline Dripline with 0.9 gph Emitters @ 12" Spacing; Tubing Shall Weave Once Around Each Shrub and Ornamental Grass and Twice Around Trees; Tubing Shall Weave Between Perennial Plants Placing an Emitter on Each Side of Plant; Blank Tubing Shall be Used in Areas Where There is No Plant Material; Install per Manufacturer's Specifications; Drip Shall be Installed After Plant Installation; Secure Tubing with Staples No Less Than Every 12 Inches; Tubing with Emitters Shall be Tucked Under Weed Barrier so That the Water Drips on the Soil	9/L3.1 14/L3.1
P.O.C. Components				
	Nibco T-FP-600A	Brass Ball Valve	1 Inch Size; Install in 10" Round Valve Box with Weed Barrier and Gravel Sump; Install Sideways for Easy Maneuvering	15/L3.1
F	Amiad Scanaway Super Filter	Secondary Semi-Automatic Water Filter	2 Inch Size; Filter With 155 Mesh; Install in Jumbo Size Box With Weed Barrier and 3" Depth of Clean Gravel; Filter Shall be Installed Underground; Verify That There is Sufficient Space to Maneuver Filter Cleaning Handle	13/L3.1
Pipes				
	Schedule 40 PVC	Mainline Pipe	1 & 2 Inch Size; Schedule 80 Fittings Shall be Used for Mainline Components	8/L3.1
	Schedule 40 PVC	Lateral Line Pipe	See Plan for Pipe Sizes; Pipes Unmarked Shall be 1 Inch; Minimum Pipe Size Shall be 1 Inch for PVC Pipe	8/L3.1
Controller				
C	Rain Bird ESP4ME	4 Station Outdoor Controller	See Plan for Location of Controller; Coordinate Power Supply With Building Electrical Contractor; Install per Manufacturer's Specifications	11/L3.1
Sleeving				
	Schedule 40 PVC	Provide for Irr. Mainlines, Laterals, and Controller Wire Located under Concrete and Asphalt Paving at specified depths	Contractor shall Coordinate the Installation of Sleeving with the Installation of Concrete Flatwork and Asphalt Paving. All Sleeving is by the Landscape Contractor unless otherwise noted.	5/L3.1

Valve Callout: # (Valve Number), #' (Valve Flow), # (Valve Size)

VALVE SCHEDULE

VALVE STATION	VALVE SIZE	IRRIGATION TYPE	FLOW (GPM)	PSI	PSI @ POC	PRECIP. RATE
1	1"	Area for Drip Emitters	2.41	37.1	37.1	0.34 in/h
2	1"	Area for Drip Emitters	2.6	37.1	37.4	0.29 in/h
3	1"	Area for Drip Emitters	2.14	37.0	37.5	0.34 in/h
4	1"	Area for Drip Emitters	2.23	37.1	37.7	0.49 in/h

Scale: 1" = 20'

20' 0 20' 40'

Main Service Line and Other Irrigation Components Are Shown In Paved Or Hardscape Surfaced For Clarity Purposes ONLY! Install All Irrigation Components within Landscaped Areas.

Irrigation Notes

1. See Sheet L1.1 for Plant Layout and Sheet L3.1 for Planting Details.
2. See Sheet L3.1 for Irrigation Details.
3. The Irrigation System Shall be Serviced by a Secondary (Nonpotable) Water Source.
4. The Irrigation System is Designed for a Minimum of 38 psi. Verify Static Pressure.

General Irrigation Notes:

1. Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. It shall be the responsibility of the contractor to protect all utility lines during the construction period, and repair any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the landscape construction.
2. The irrigation contractor shall examine the site conditions under which the work is to be performed and notify the general contractor in writing of unsatisfactory conditions. Do not proceed until conditions have been corrected.
3. The contractor shall provide all materials, labor and equipment required for the proper completion of all irrigation work as specified and shown on the drawings.
4. See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
5. Contractor safety and cleanup must meet OSHA standards at all times. All contractors must have adequate liability, personnel injury and property damage insurance. Clean-up must be performed daily, and all hardscape areas must be washed free of dirt and mud on final cleanup. Construction must occur in a timely manner.
6. The Owner/Landscape Architect has the right to reject any and all irrigation material not conforming to the plans and specifications.
7. The contractor shall install all irrigation material per plan, notes and details.
8. Irrigation system components must be premium quality only and installed to manufactures requirements and specifications. The contractor is responsible for checking state and local laws for all specified materials and workmanship. Substitutions must be approved by landscape architect. Provide owner and maintenance personnel with instruction manual and all products data to operate, check, winterize, repair, and adjust system.
9. Irrigation system guarantee for all materials and workmanship shall be one year from the time of store opening or final project acceptance (whichever is longer). Guarantee will include, but is not limited to winterizing, spring activation, repair, trench setting, backfilling depressions, and repairing freeze damage.
10. Irrigation system check must be done before the system is backfilled. Irrigation mainline and each control valve section must be flushed and pressure checked. Assure the complete system has no documented problems and full head to head coverage with adequate pressure for system operation. Adjust system to avoid spray on building, hardscape, and adjacent property. Any problems or plan discrepancies must be reported to the landscape architect.
11. Irrigation laterals must be schedule 40 P.V.C. with schedule 40 fittings. one (1) inch minimum size. Solvent weld all joints as per manufactures specifications for measured static p.s.i. Teflon tape all threaded fittings. The minimum depth of lateral lines shall be twelve (12) inches. Adapt system to manual compression air blowout.
12. Irrigation mainline that are 2" and smaller mainlines shall be schedule 40 PVC pipe with schedule 80 fittings. Solvent weld all joints as per manufactures specifications for measured static pressure. Use teflon tape on all threaded joints. Line depth must be twenty-four (24) inches minimum.
13. Install dielectric fittings whenever dissimilar metals are joined.
14. Design locations are approximate. Make minor adjustments necessary to avoid plantings and obstructions such as signs and light standards. Maintain 100(%) percent irrigation coverage of areas indicated.
15. Controller valves to be grouped together wherever possible. Install valve boxes with long side perpendicular to walk, curb, lawn, building or landscape features. Valve boxes to conform with finish grades.
16. Control valve wire shall be #14 single conductor: white for common wire, red for hot wire and blue for the spare wire. Provide (1) one spare wire that runs the length of the mainline and to the controller. All wiring shall be UF-UL rated. All connections shall be made with water tight connectors (DBR/Y or equivalent) and contained in control valve boxes. Provide 36" extra wire length at each remote control valve in valve box. Install control wiring with main service line where possible. Provide slack in control wires at all changes in direction.
17. Control valve size, type, quantity, and location to be approved by landscape architect. install in heavy duty plastic vandal proof box. Size boxes according to valve type and size for ease of maintenance and repair. Install one (1) cubic feet of pea gravel for sump in base of boxes. Boxes to be Carson Brooks or equal.
18. Quick couplers shall be a Rain Bird 44NP with a 1 inch Lasco unitized swing joint assembly. Support with rebar in each retainer lug. Install where shown on the plans.
19. Irrigation system backfill must occur only after system check is completed as specified. Use only rock free clean fill around pipes, valves, drains, or any irrigation system components. Water settle all trenches and excavations.
20. All irrigation pipe running through walls, under sidewalk, asphalt, or other hard surface shall be sleeved prior to paving. It is the irrigation contractors responsibility to coordinate sleeving with concrete and pavement contractors. Sleeves will be schedule 40 P.V.C. The depth for mainline sleeves shall be twenty-eight (28) inches minimum. Depth for lateral sleeves shall be sixteen (16) inches minimum. Sleeves shall be a minimum of two sizes larger than the pipe to be sleeved. All valve wiring shall be contained in separate sleeving.
21. Plans are diagrammatic and approximate due to scale. where possible, all piping is to be installed within the planting areas. No tees, ells, or changes in direction shall occur under hardscape.
22. It is the contractors responsibility to verify all quantities based upon the plan prior to completion of a construction cost estimate.
23. Drip system piping shall consist of a rigid schedule 40 PVC pipe distribution system connecting drip irrigated planter areas. Poly tubing or drip line shall be run off the rigid PVC in each planting area or island with a PVC to poly tubing adapter. No poly tubing shall run under pavement.
24. Electrical power source at the controller location shall be provided by electrical contractor. Contractor shall verify location of controller prior to installation with owner.
25. Provide and install all manufacturer's recommended surge and lighting protection equipment on all controllers.
26. All lines shall slope to manual drains (see details). If field conditions necessitate additional drains, these drains shall be installed for complete drainage of the entire system. Provide a gravel sump under each drain. All drains shall be a minimum of 6" below grade.
27. Upon completion and approval of irrigation system, irrigation contractor shall provide the owner with one set of drawings indicating actual location of piping, valves, sprinkler heads, wiring, and zones.
28. An irrigation zone map shall be provided in a protective jacket and be kept with the main irrigation controller. The map shall show all approved irrigation and include all zone valve locations.

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Drafted by: DW
Client Name: Goldenwest Credit Union
21-177 IR

ANA
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAengineering.net

Irrigation Plan

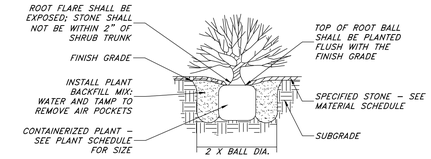
GWCU - Payson

800 South and 800 West
Payson, Utah

State of Utah
Jared R. Manacill
No. 7740426-5301
05/09/2024
Licensed Landscape Architect

24 Feb, 2024

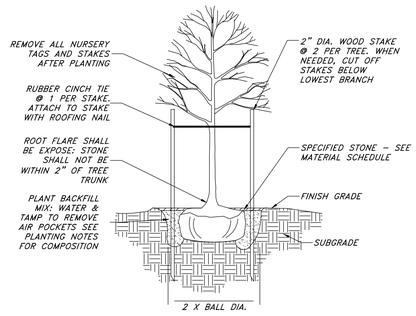
SHEET NO.
L2.1



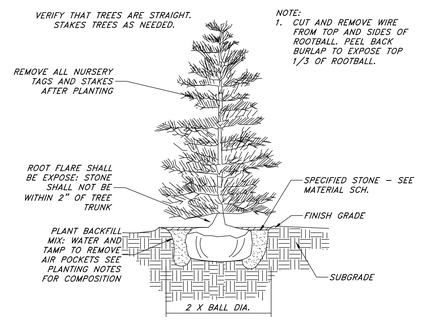
NOTE:

1. SEE GENERAL LANDSCAPE NOTES FOR PLANT BACKFILL MIX COMPOSITION.
2. REMOVE ALL NURSERY TAGS AND STAKES AFTER PLANTING.

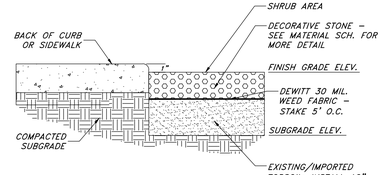
1 SHRUB PLANTING
NOT TO SCALE



2 DECIDUOUS TREE PLANTING
NOT TO SCALE



3 EVERGREEEN TREE PLANTING
NOT TO SCALE

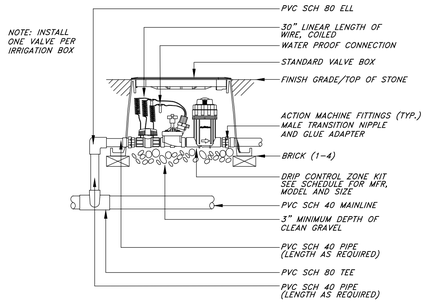


NOTE:
1. NO EDGING SHALL BE USED BETWEEN DIFFERENT TYPE STONE. PROVIDE A DISTINCT LINE THAT SMOOTH FLOWING BETWEEN STONE.

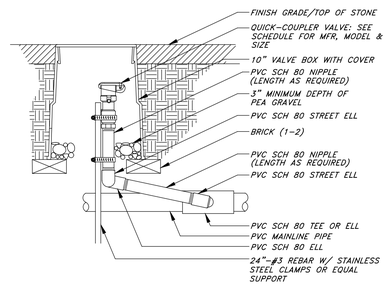
4 LANDSCAPE PREPARATION
NOT TO SCALE

NOTE:
1. USE CARE TO MINIMIZE MARRING AND SCRATCHING
2. BURY 2" OF BOULDER HEIGHT INTO SOIL, KEEPING BEST VISUAL SIDE ABOVE GROUND.

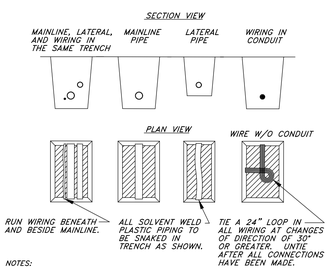
5 LANDSCAPE BOULDER
NOT TO SCALE



6 DRIP CONTROL VALVE
NOT TO SCALE



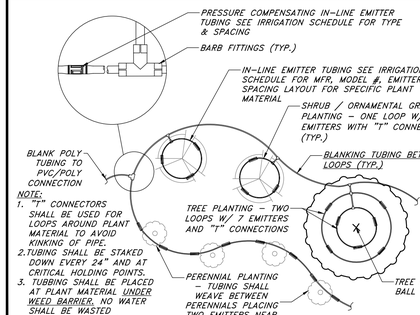
7 QUICK COUPLING VALVE
NOT TO SCALE



NOTES:

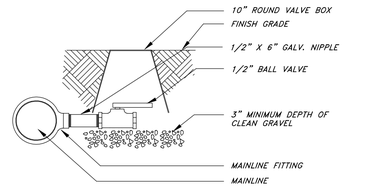
1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCH. 40 PVC PIPE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
2. FOR PIPE AND WIRE BURIAL DEPTHS SEE IRRIGATION NOTES.

8 PIPE & WIRE TRENCHING
NOT TO SCALE

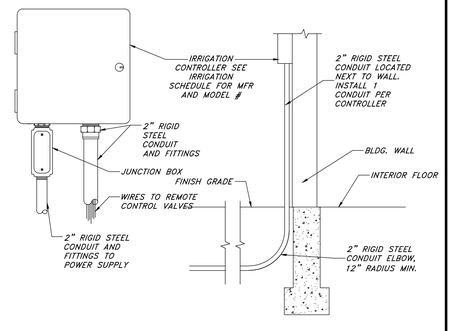


NOTE:
1. "T" CONNECTORS SHALL BE USED FOR LOOPS AROUND PLANT MATERIAL TO AVOID KINKING OF PIPE.
2. TUBING SHALL BE STAKED DOWN EVERY 24" AND AT CRITICAL HOLDING POINTS.
3. TUBING SHALL BE PLACED AT PLANT MATERIAL UNDER WEED BARRIER. NO WATER SHALL BE WASTED BETWEEN PLANTS. BLANK TUBING SHALL BE USED BETWEEN PLANTS.

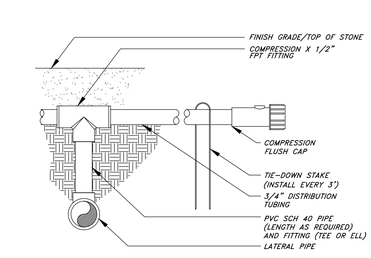
9 DRIP TUBING AT PLANT AND TREE
Not to Scale



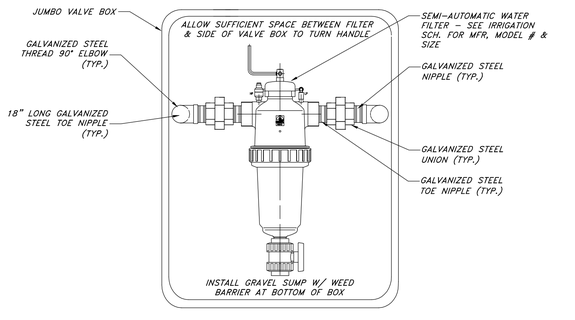
10 MANUAL DRAIN VALVE
NOT TO SCALE



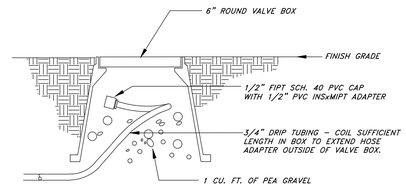
11 IRR. CONTROLLER - INDOOR WALL MOUNT
NOT TO SCALE



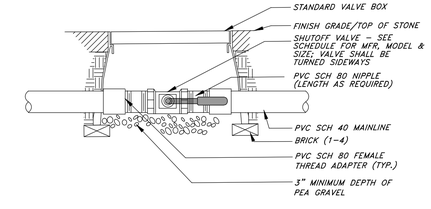
12 PVC TO POLY PIPE CONNECTION
NOT TO SCALE



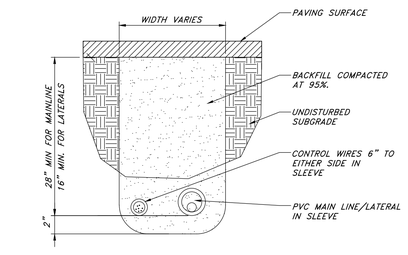
13 AMIAD SEMI-AUTOMATIC WATER FILTER
NOT TO SCALE



14 COMPRESSION FLUSH CAP
NOT TO SCALE



15 SHUTOFF VALVE - BALL VALVE
NOT TO SCALE



NOTE:
1. ALL IRRIGATION SLEEVES TO BE SCH. 40 PVC PIPE.
2. ALL SLEEVES SHALL BE TWICE THE NOMINAL SIZE OF THE PIPE WITHIN.
3. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
4. SLEEVE TO BE RUN UNDER PAVEMENT AND EXTEND A MIN. OF 18" PAST EDGE OF PAVEMENT. END OF SLEEVE TO BE CAPPED AND MARKED.

16 PIPE SLEEVING
NOT TO SCALE

Know what's below. Call before you dig.

REV	DATE	DESCRIPTION

Designed by: EM
Drafted by: DW
Client Name:
Goldenwest Credit Union
21-177 IR

ANA
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AVAengineering.net

Landscape & Irrigation Details

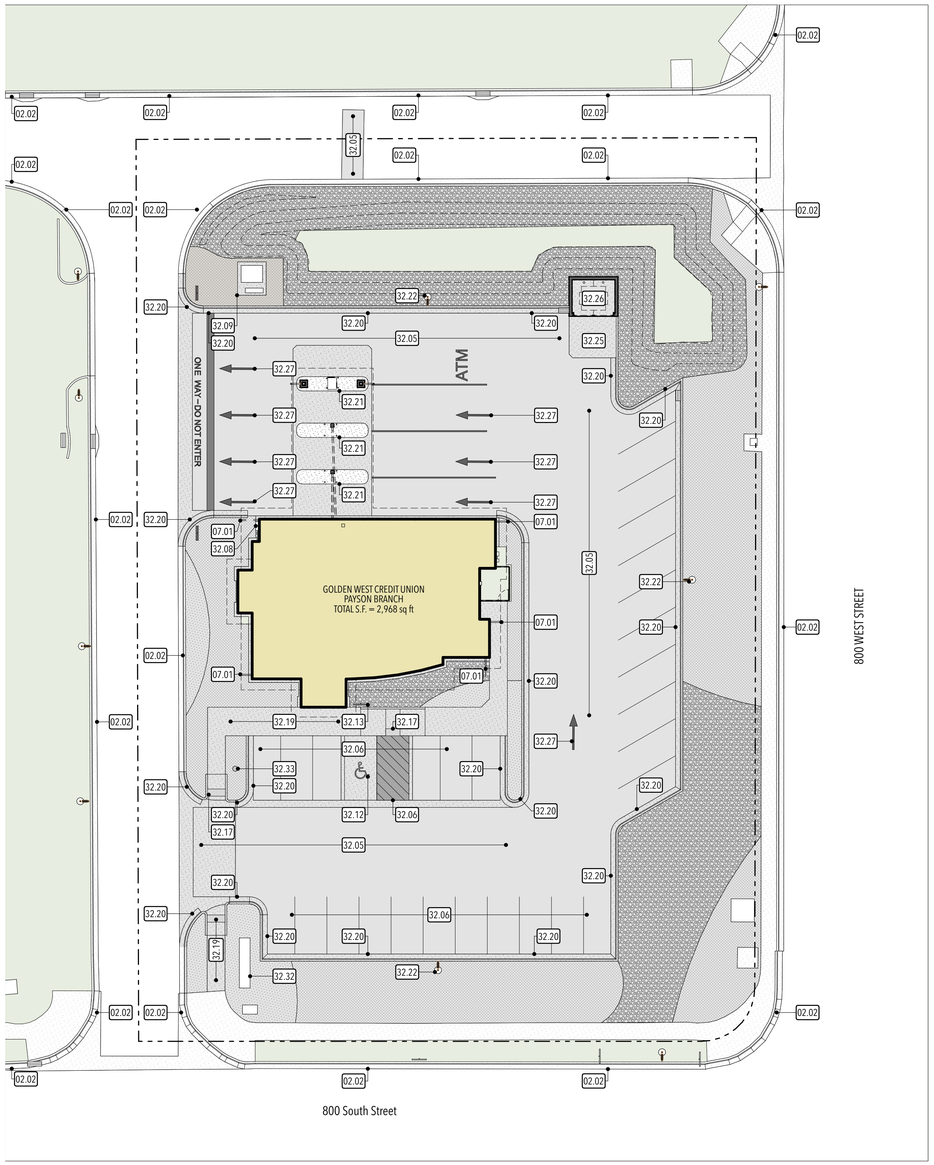
GWCU - Payson
800 South and 800 West
Payson, Utah

State of Utah
Jared R. Manscill
No. 7740426-5301
Licensed Landscape Architect
05/09/2024

24 Feb, 2024

SHEET NO.
L3.1

STUDIO 333



GENERAL SITE PLAN NOTES:

A. Field verify all dimensions, utilities, improvements, etc.
B. Re: civil drawings for site dimensions, demolition, grading, utilities, erosion control, etc.
C. Re: sheet E2.1 for site lighting and electrical.
D. Provide construction / expansion joints as shown - re: civil drawings for details. Sidewalk control joints shall not be spaced over 10'-0" or under 6'-0". Drive thru control joints shall not be spaced over 14'-0" in each direction.
E. Provide underground PVC sleeves below concrete site elements as required for irrigation system - re: civil & landscape.
F. Grading at the building shall have a 5% minimum slope away from the building for a minimum of 10'-0", uno. Concrete shall be sloped 2% away from building.
G. Top of foundation shall be 8" above finished grade U.N.O. - see IBC 1808.7.4.
H. All utility connections from city streets to the building are to be provided under this contract. Contractor shall verify city standards for road, curb, utility and signage requirements.
I. All exterior sidewalks, stairs and landings shall have positive drainage, but no more than a maximum of 1/4" slope per foot. All stairs and ramps shall have a landing of 48 inches long at the top and bottom with a maximum slope of 1/4" per foot. All rebar in exterior applications shall be epoxy coated.
J. All hardscape shall be a minimum of 4" thick concrete over 4" free-draining gravel base.
K. Finish grade of softscape shall be 2" uniformly below paving surfaces U.N.O.
L. 18x6"x continuous concrete mowstrip shall be provided around entire building perimeter except where concrete sidewalks or planters occur - typ. Re: civil.
M. Contractor shall abide to the Utah Division of Air Quality requirements and call (801).536.4400 prior to beginning construction on site.
N. Contractor shall notify Blue Stakes at (800).662.4111 or http://.www.bluestakes.org prior to beginning construction on site.
O. All utility connections from city streets to the building are to be provided under this contract. Contractor shall verify city standards for road, curb, utility and signage requirements.
P. Coordinate location and orientation of fire hydrant outlets with the Fire Marshall's office prior to the final installation of the hydrant assembly.

KEYED NOTES:

02.02 Existing concrete curb and gutter
07.01 Rain gutter downspout location. Coordinate with installation of perimeter drain system. Run tight against foundation and connect at finish grade. Color to match metal standing seam roof - re: Exterior Materials Legend
32.05 Asphalt paving - re: civil
32.06 Parking striping - re: civil
32.08 Electrical equipment - re: electrical and civil
32.09 Electrical transformer on pad - re: electrical and civil
32.12 ADA parking sign - re: civil
32.13 ADA parking sign - re: civil
32.17 Accessible concrete ramp as per ICC/ANSI A117.1 - re: civil
32.19 Concrete walk - re: civil
32.20 Concrete curb and gutter - re: civil
32.21 6" high concrete drive thru island - re: 05/SD2.1 and civil
32.22 Light pole and base - re: electrical
32.25 Concrete paving - re: civil
32.26 Dumpster enclosure - re: Enlarged Architectural Site Plan
32.27 Painted directional arrows - re: civil
32.32 Monument sign - re: Civil
32.33 Flag pole - re: Civil

SITE PLAN LEGEND:

: Area of building construction
: Landscaping.
: Existing landscaping to remain - protect from damage.
: Asphalt paving.
: Existing asphalt paving to remain - protect from damage.
: Concrete paving.
: Existing concrete paving to remain - protect from damage.

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

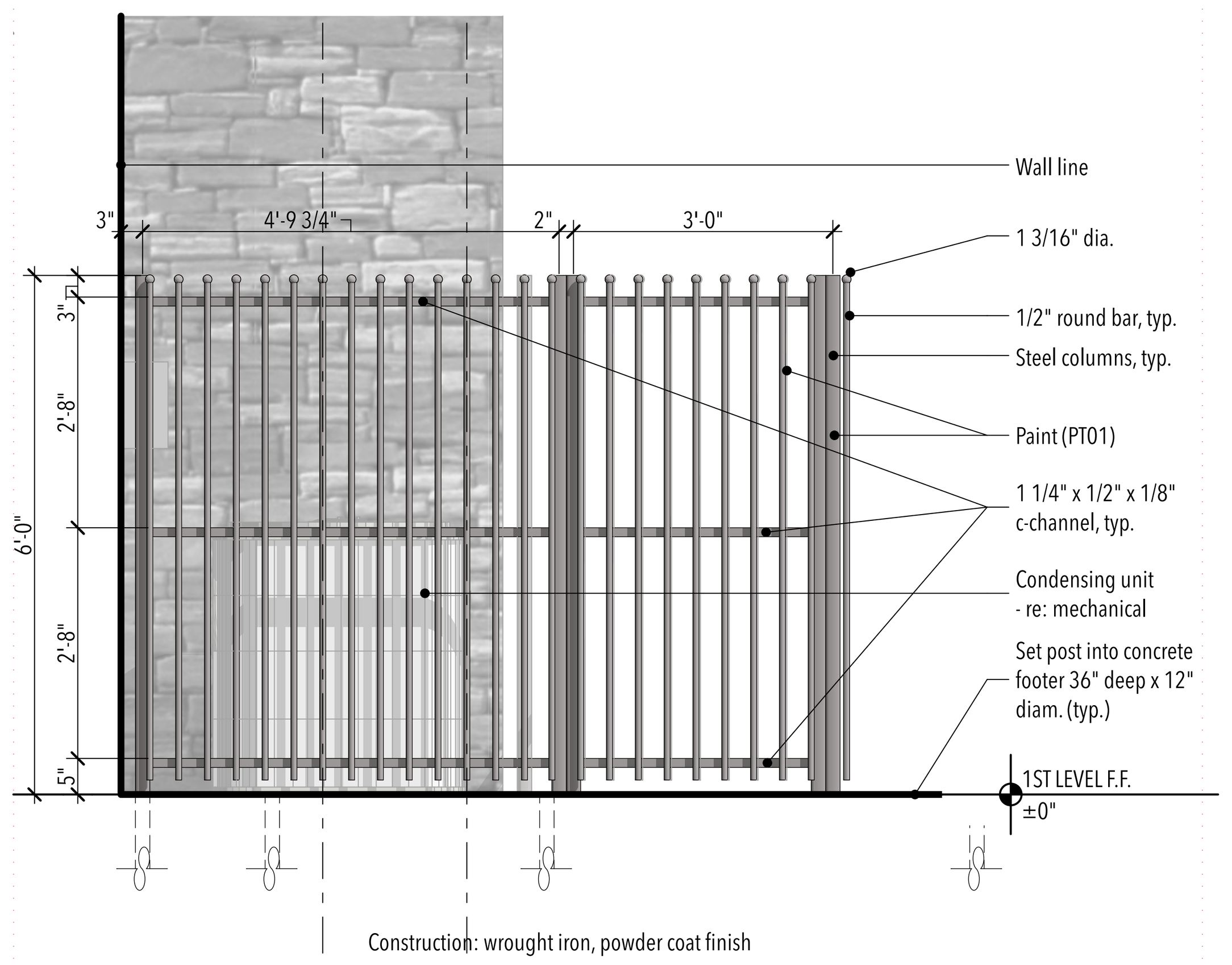
STATE OF UTAH · TONY KENT PANTONE · No. 500663-0202 · 09.16.24 · LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

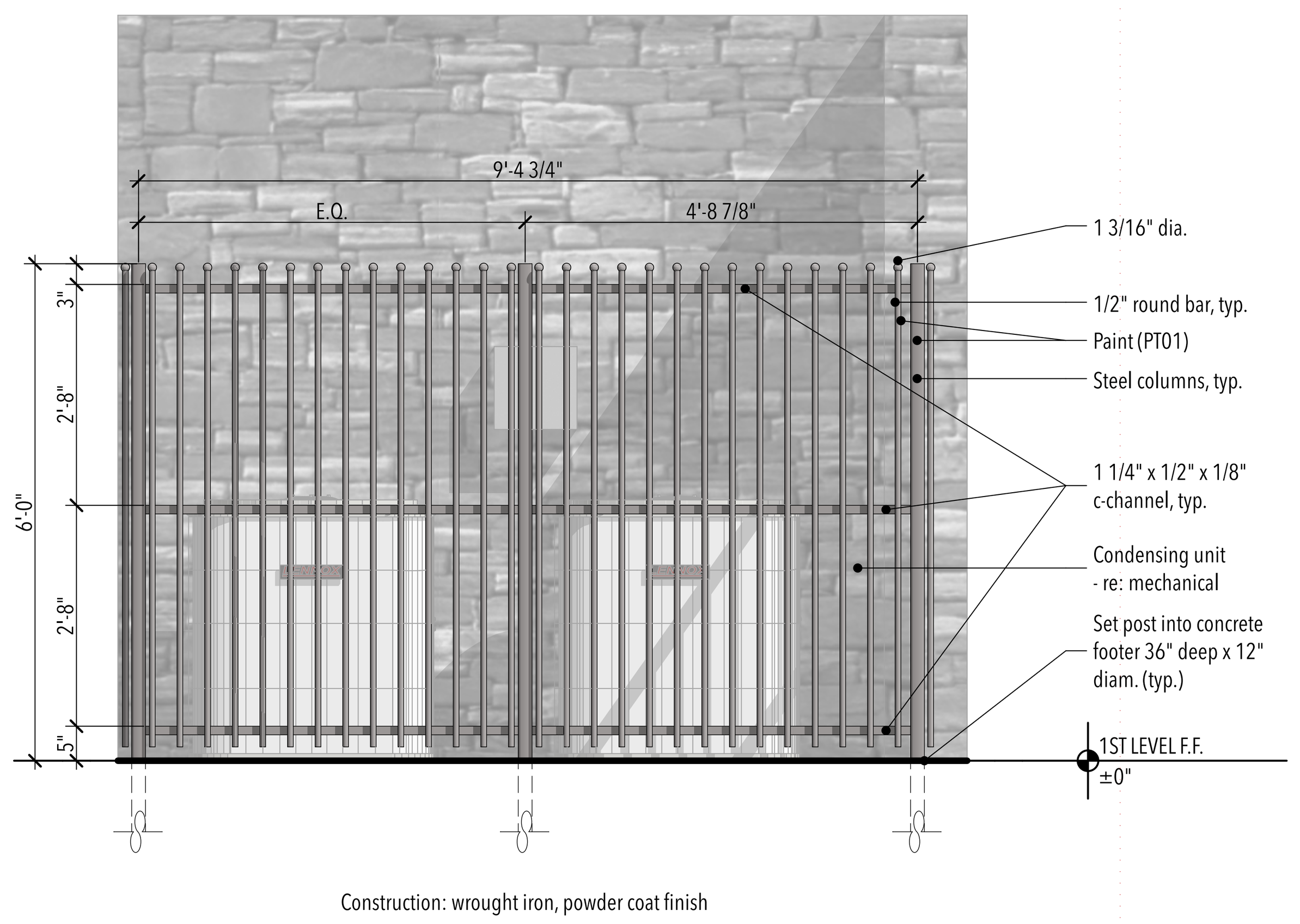
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 1" = 20'

ARCHITECTURAL SITE PLAN SD1.1



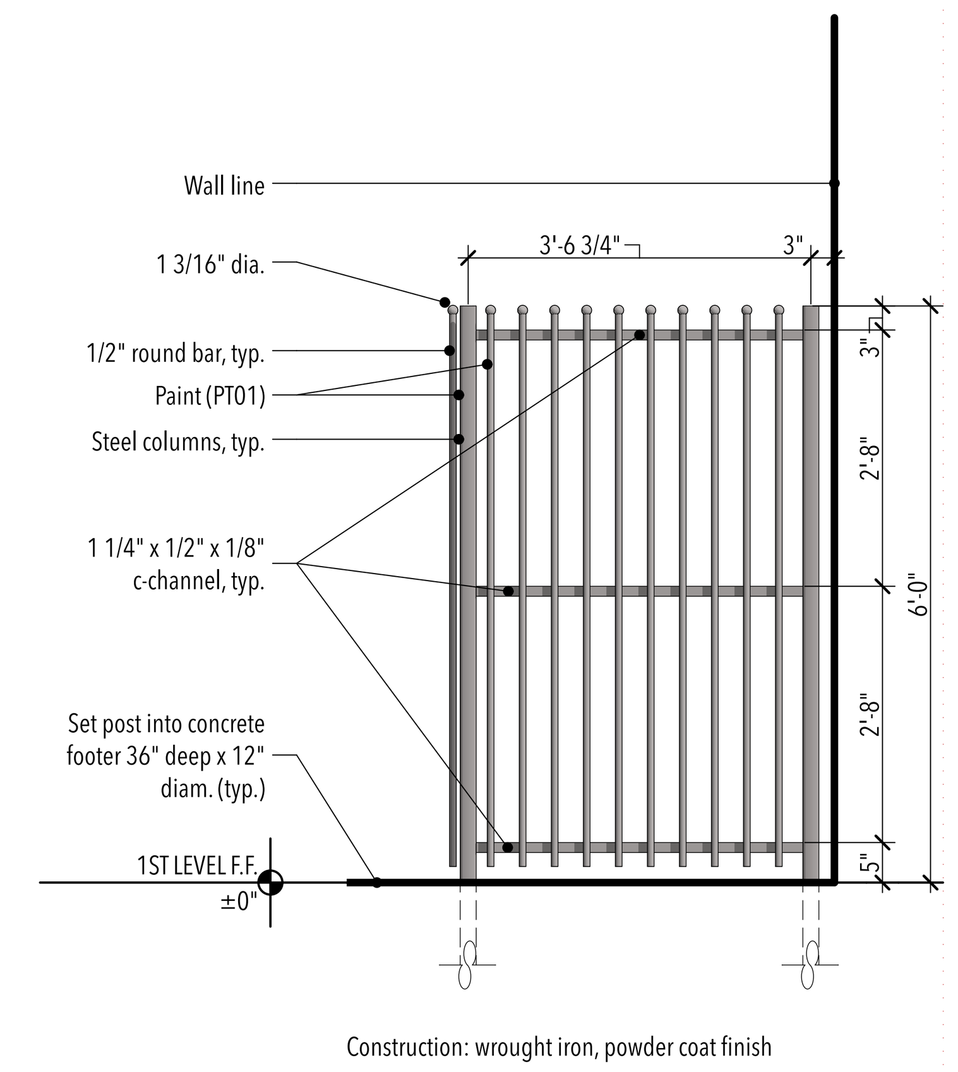
NORTH ELEVATION

01 1/2" = 1'-0"



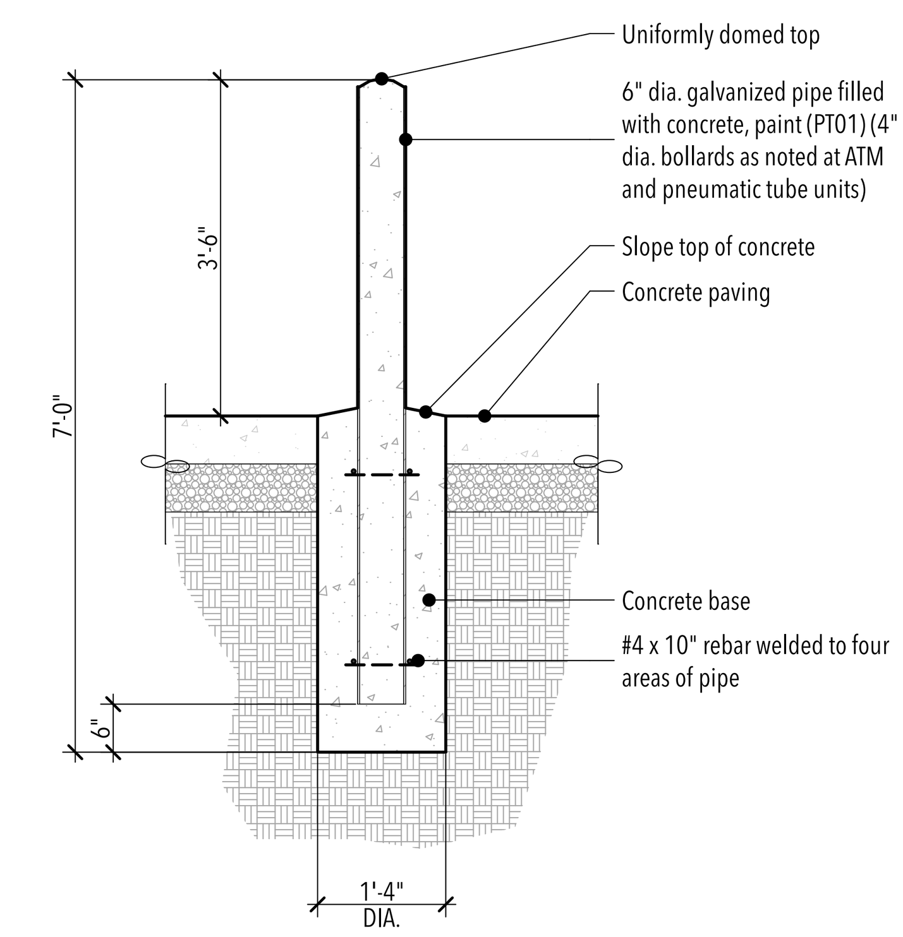
EAST ELEVATION

02 1/2" = 1'-0"



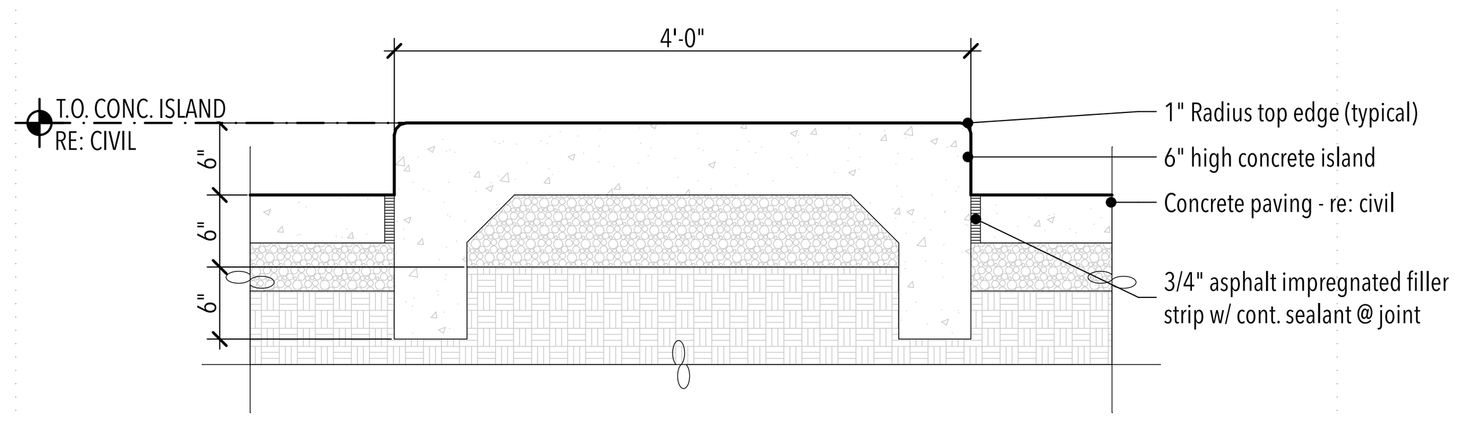
SOUTH ELEVATION

03 1/2" = 1'-0"



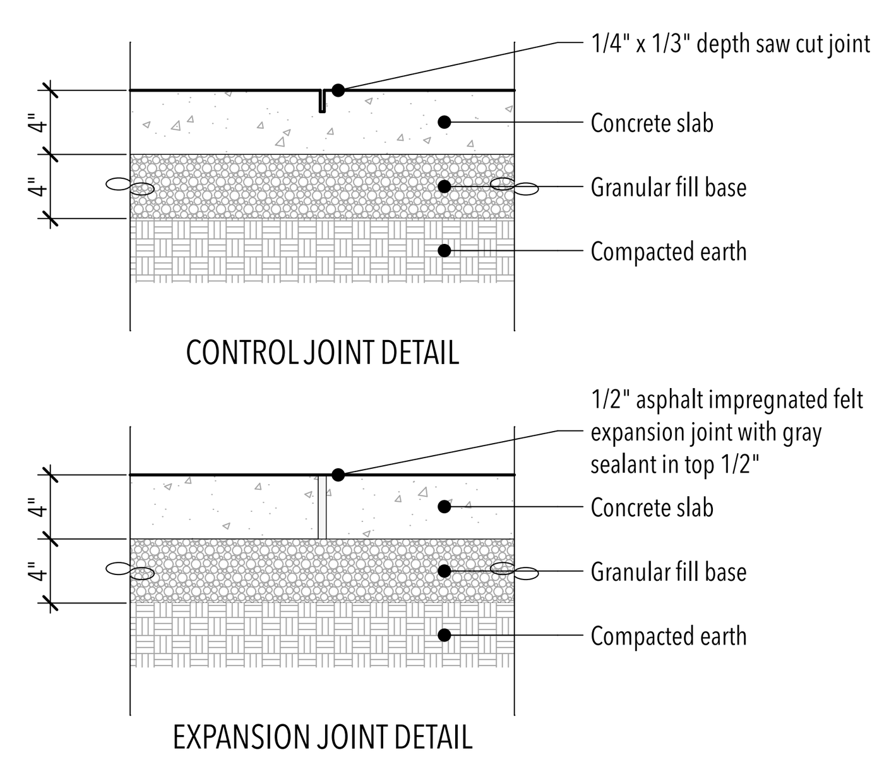
PIPE BOLLARD DETAIL

04 1/2" = 1'-0"



CONCRETE ISLAND DETAIL

05 3/4" = 1'-0"



CONCRETE JOINT DETAIL

06 1" = 1'-0"

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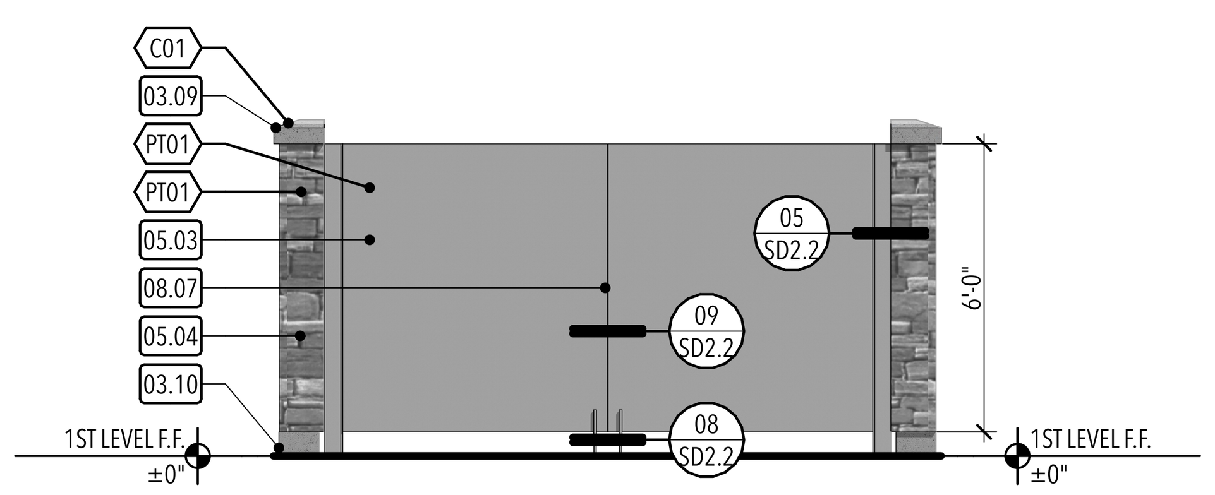
SITE DETAILS

SD2.1

STUDIO 333

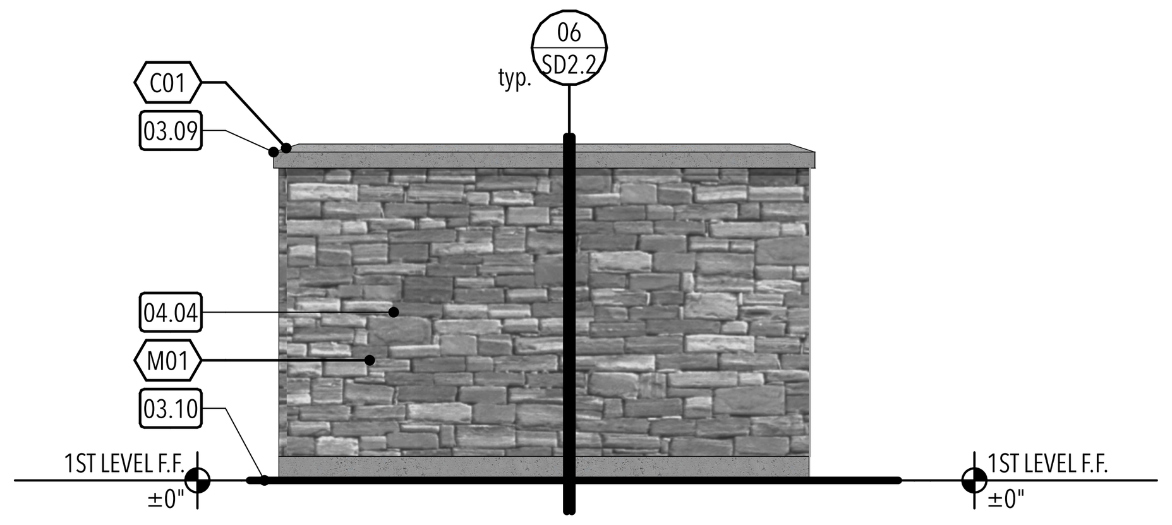
KEYED NOTES:

03.09	Precast concrete wall cap with drip edge
03.10	Concrete foundation wall - re: structural
03.12	Concrete control joint - re: 09/SD2.1
04.04	Manufactured stone veneer system over cmu wall - re: Exterior Materials Legend
05.03	Painted steel trash enclosure gate - re: elevations
05.04	W6x25 steel post embedded in concrete pier to 3'-0" below concrete slab (galvanized and painted)
08.07	Lockable gate latch
32.20	Concrete curb and gutter - re: civil
32.25	Concrete paving - re: civil
32.28	8" thick concrete slab with expansion joint at perimeter - re: civil
32.29	6" diameter pipe bollard - re: 04/SD2.1 (painted)



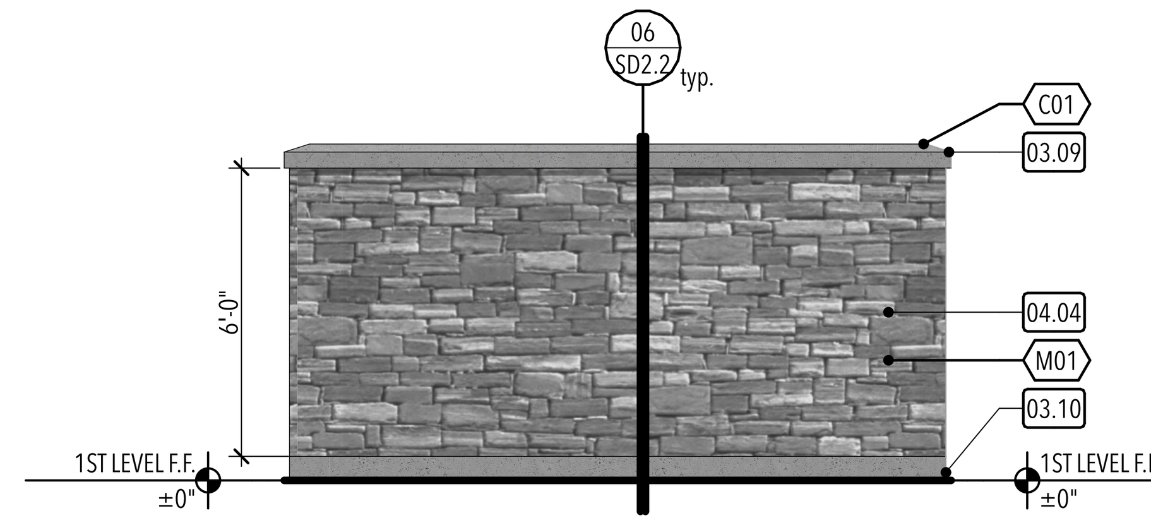
WEST ELEVATION

01 1/4" = 1'-0"



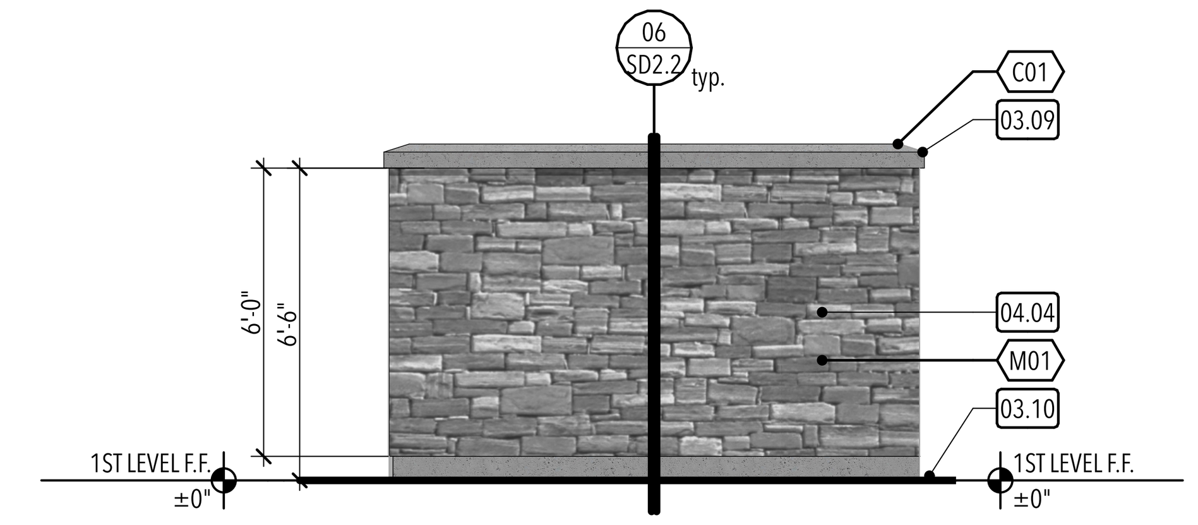
NORTH ELEVATION

02 1/4" = 1'-0"



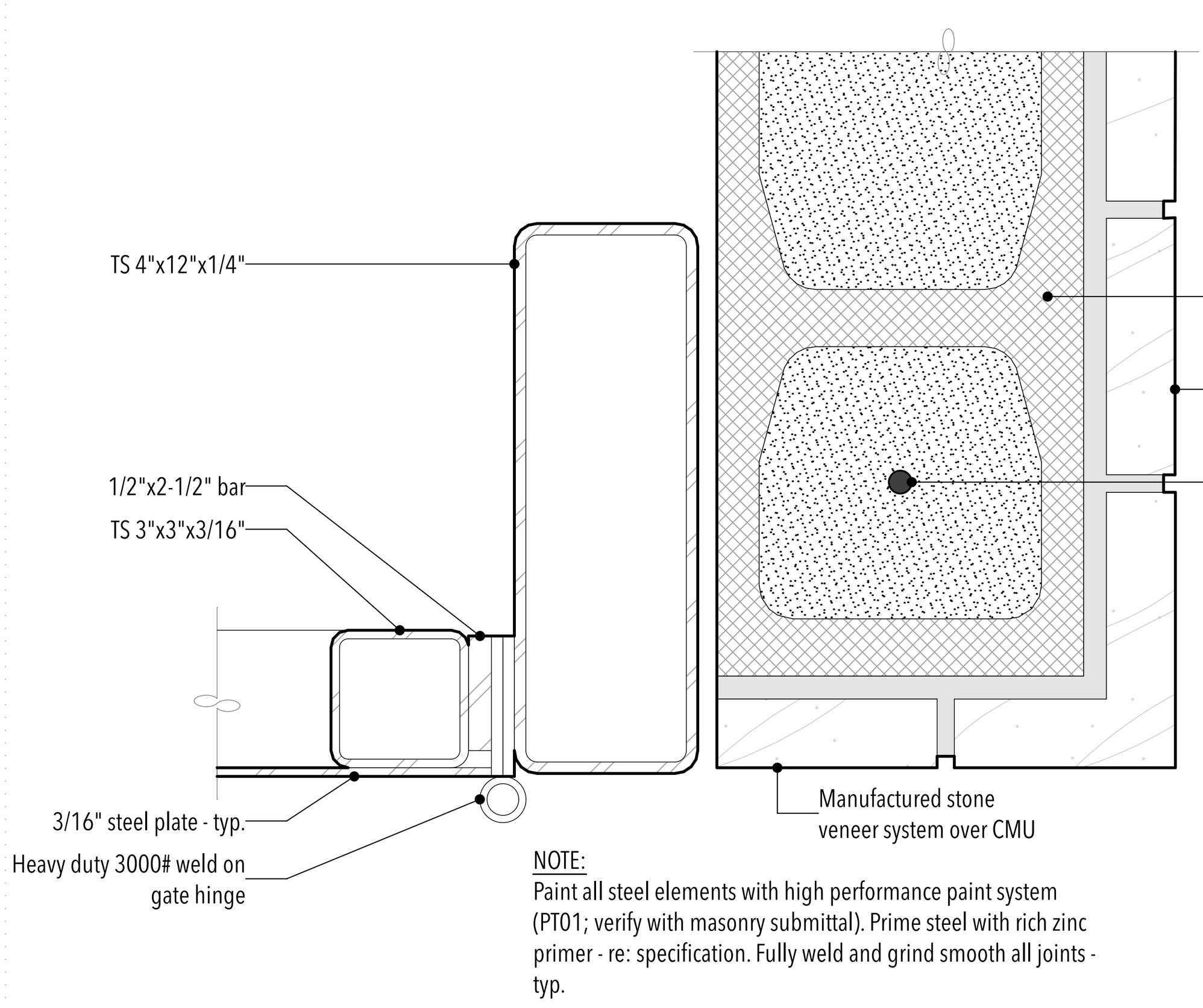
EAST ELEVATION

03 1/4" = 1'-0"



SOUTH ELEVATION

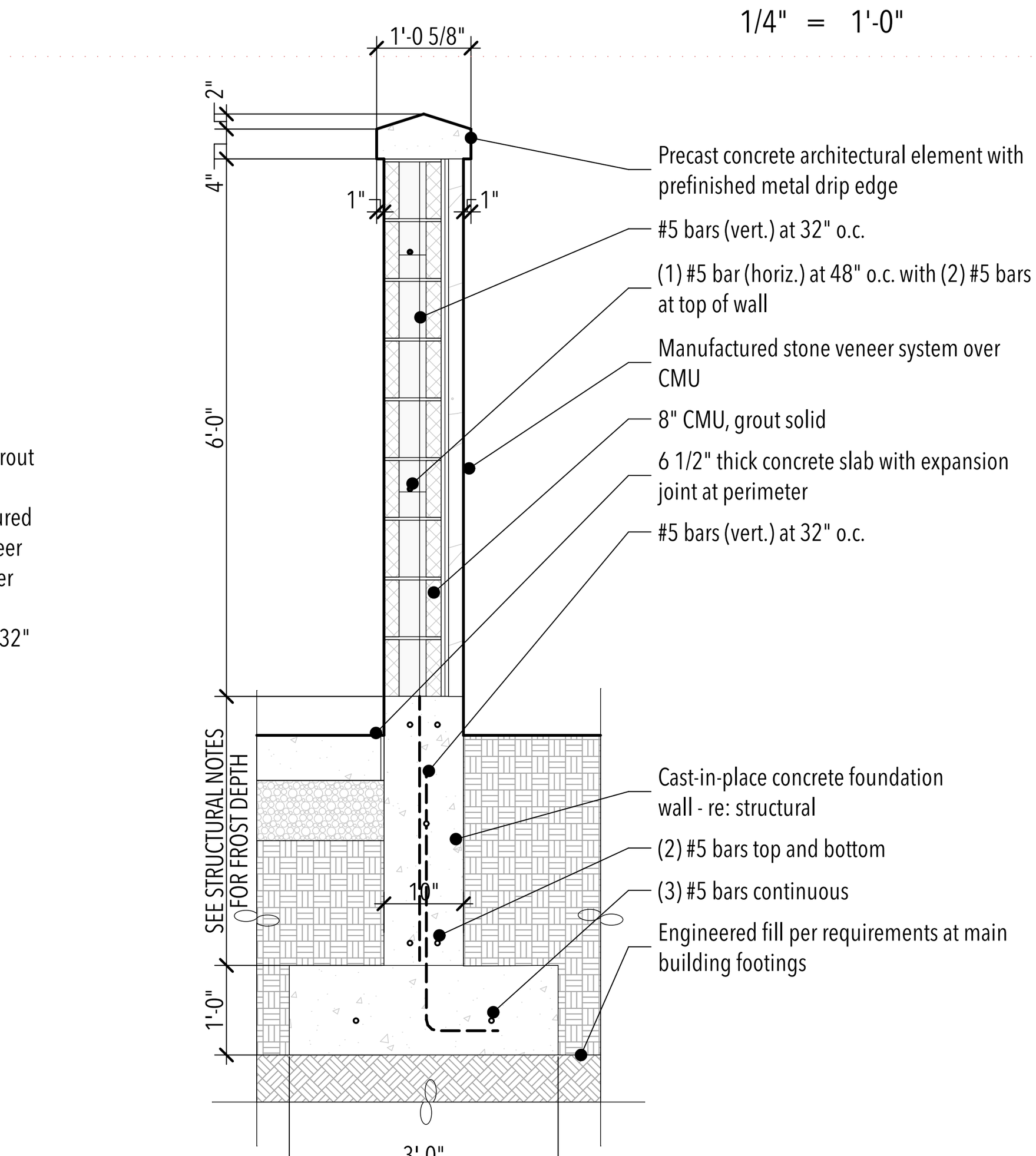
04 1/4" = 1'-0"



NOTE:
Paint all steel elements with high performance paint system (PT01; verify with masonry submittal). Prime steel with rich zinc primer - re: specification. Fully weld and grind smooth all joints - typ.

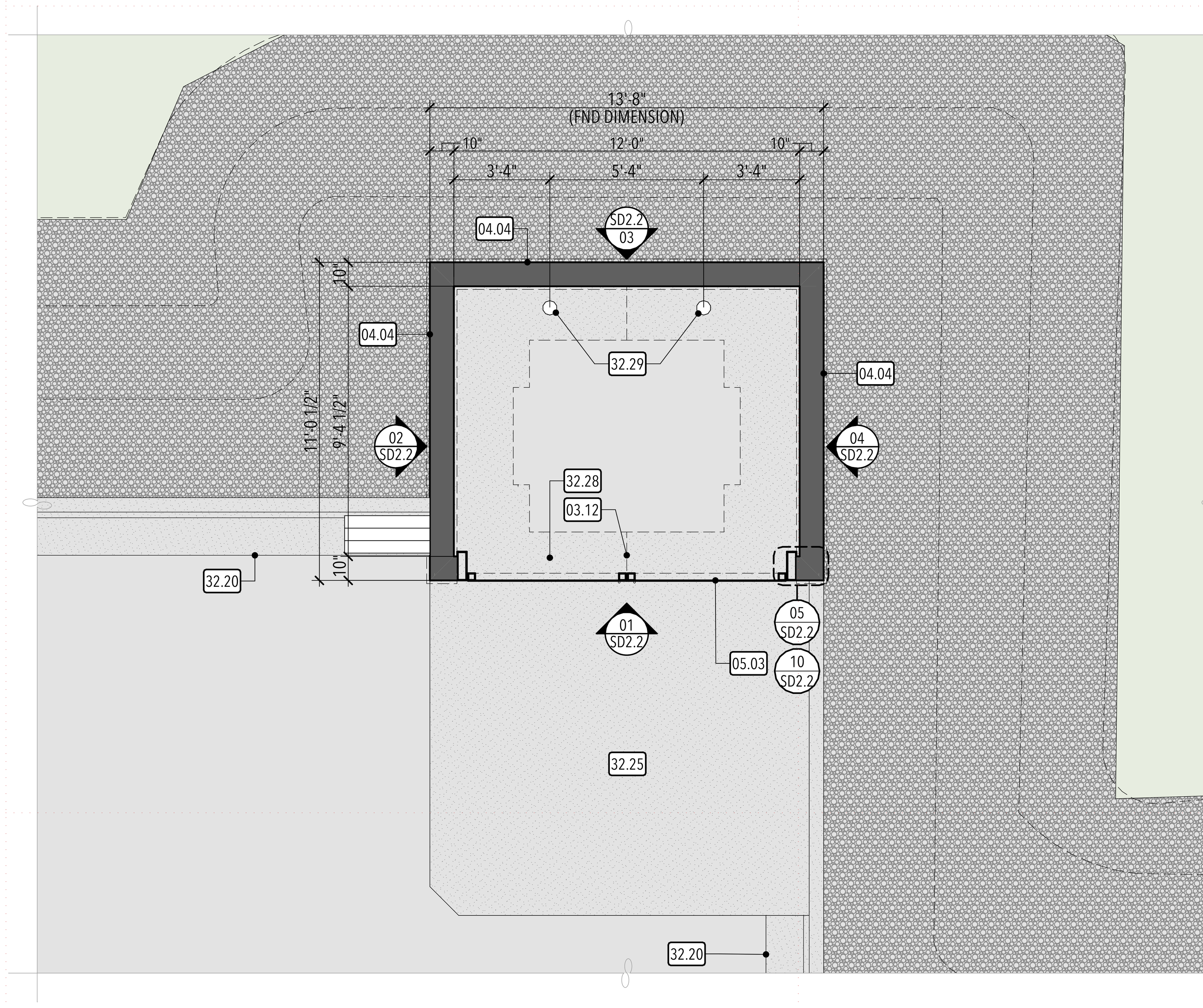
GATE POST DETAIL

05 3" = 1'-0"



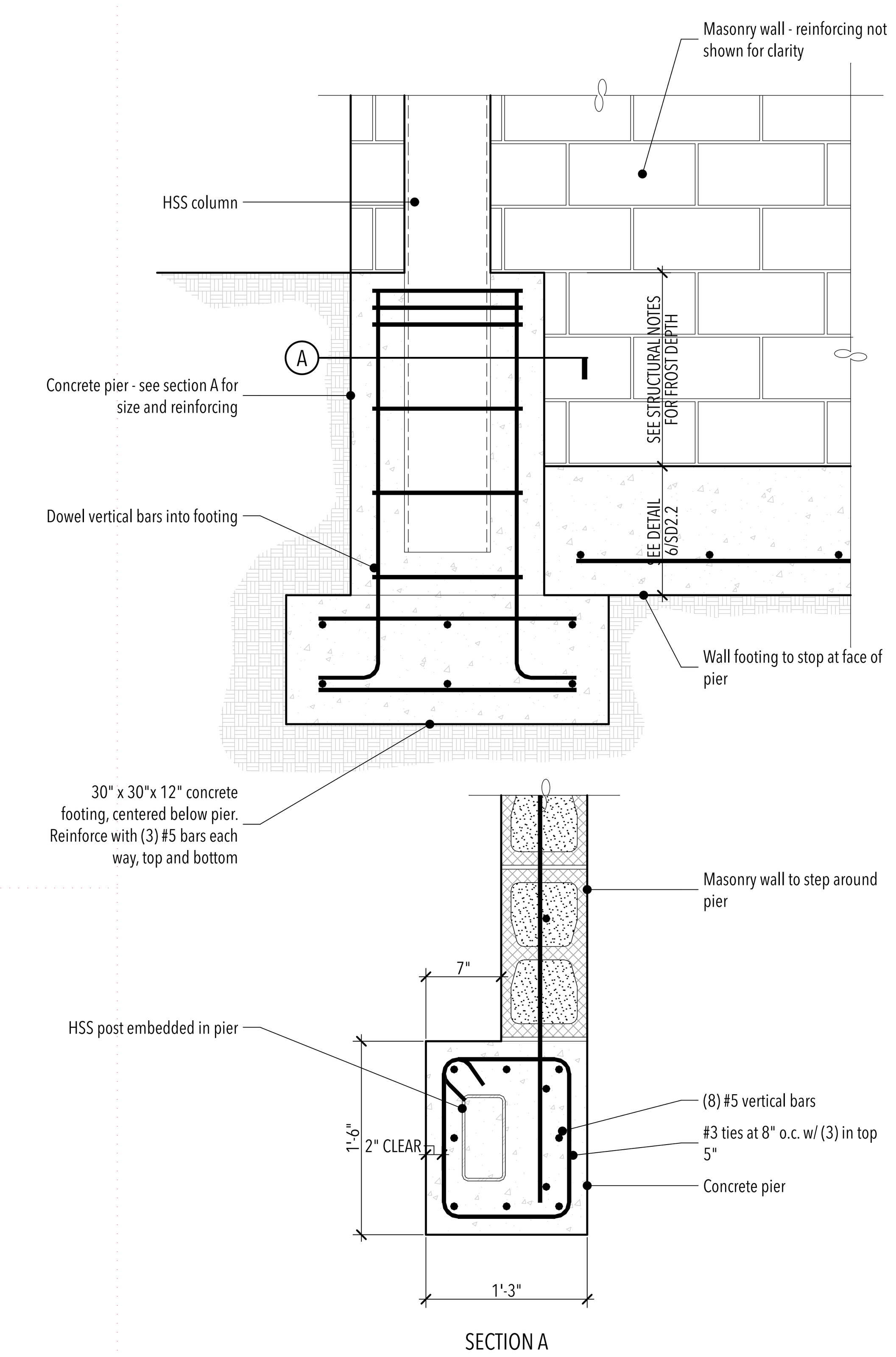
DUMPSTER WALL SECTION

06 1/2" = 1'-0"



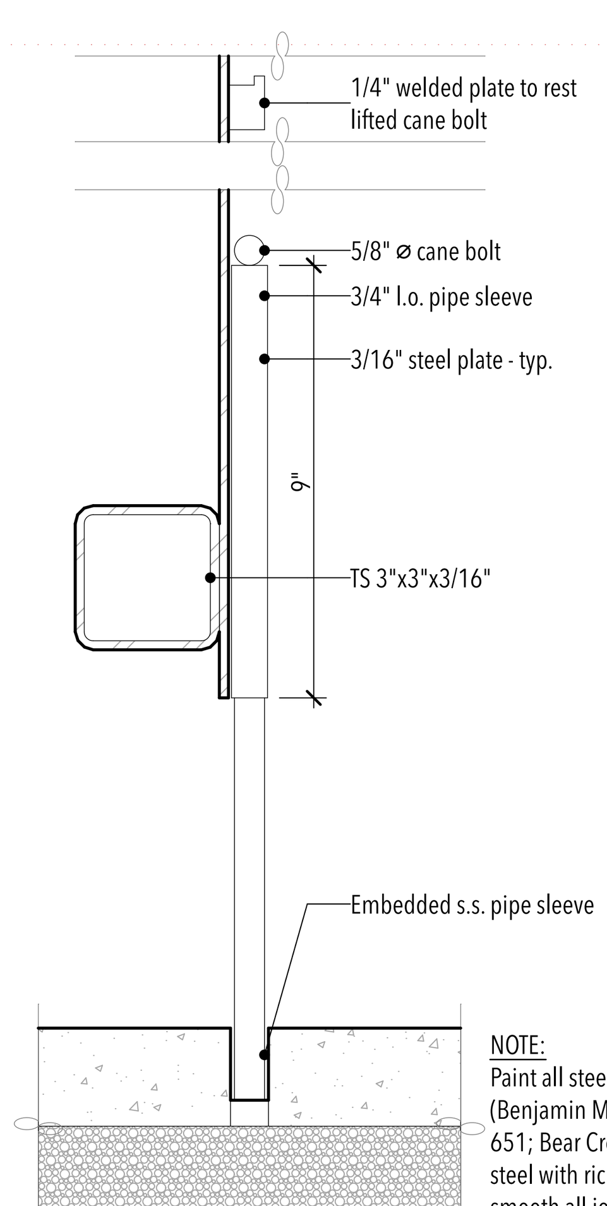
ENLARGED DUMPSTER ENCLOSURE PLAN

07 1/4" = 1'-0"



GATE POST SECTIONS

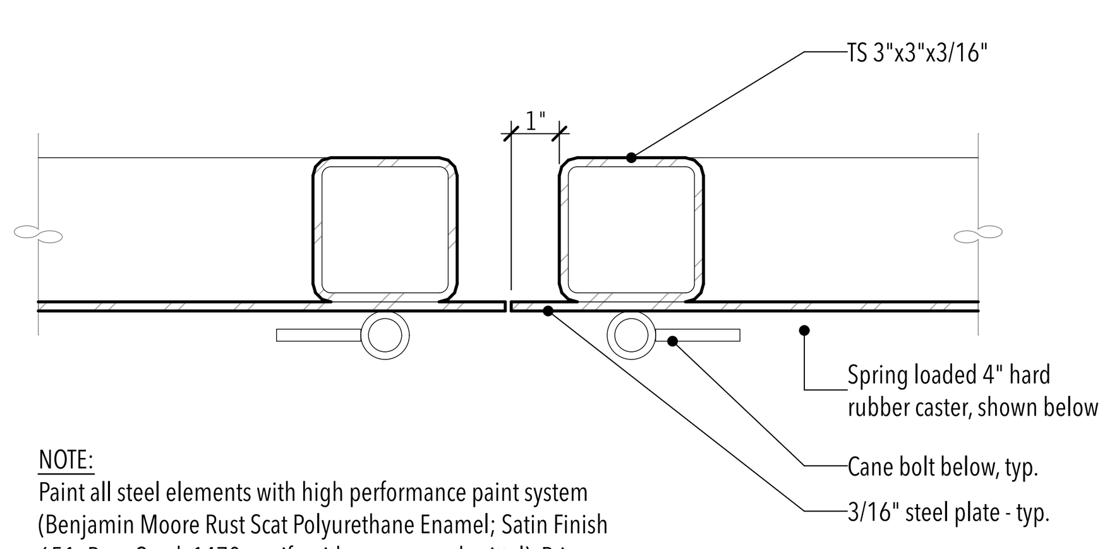
10 1" = 1'-0"



NOTE:
Paint all steel elements with high performance paint system (Benjamin Moore Rust Scat Polyurethane Enamel; Satin Finish 651; Bear Creek 1470; verify with masonry submittal). Prime steel with rich zinc primer - re: specification. Fully weld and grind smooth all joints - typ.

GATE DOOR SECTION

08 3" = 1'-0"



NOTE:
Paint all steel elements with high performance paint system (Benjamin Moore Rust Scat Polyurethane Enamel; Satin Finish 651; Bear Creek 1470; verify with masonry submittal). Prime steel with rich zinc primer - re: specification. Fully weld and grind smooth all joints - typ.

GATE DOOR DETAIL

09 3" = 1'-0"

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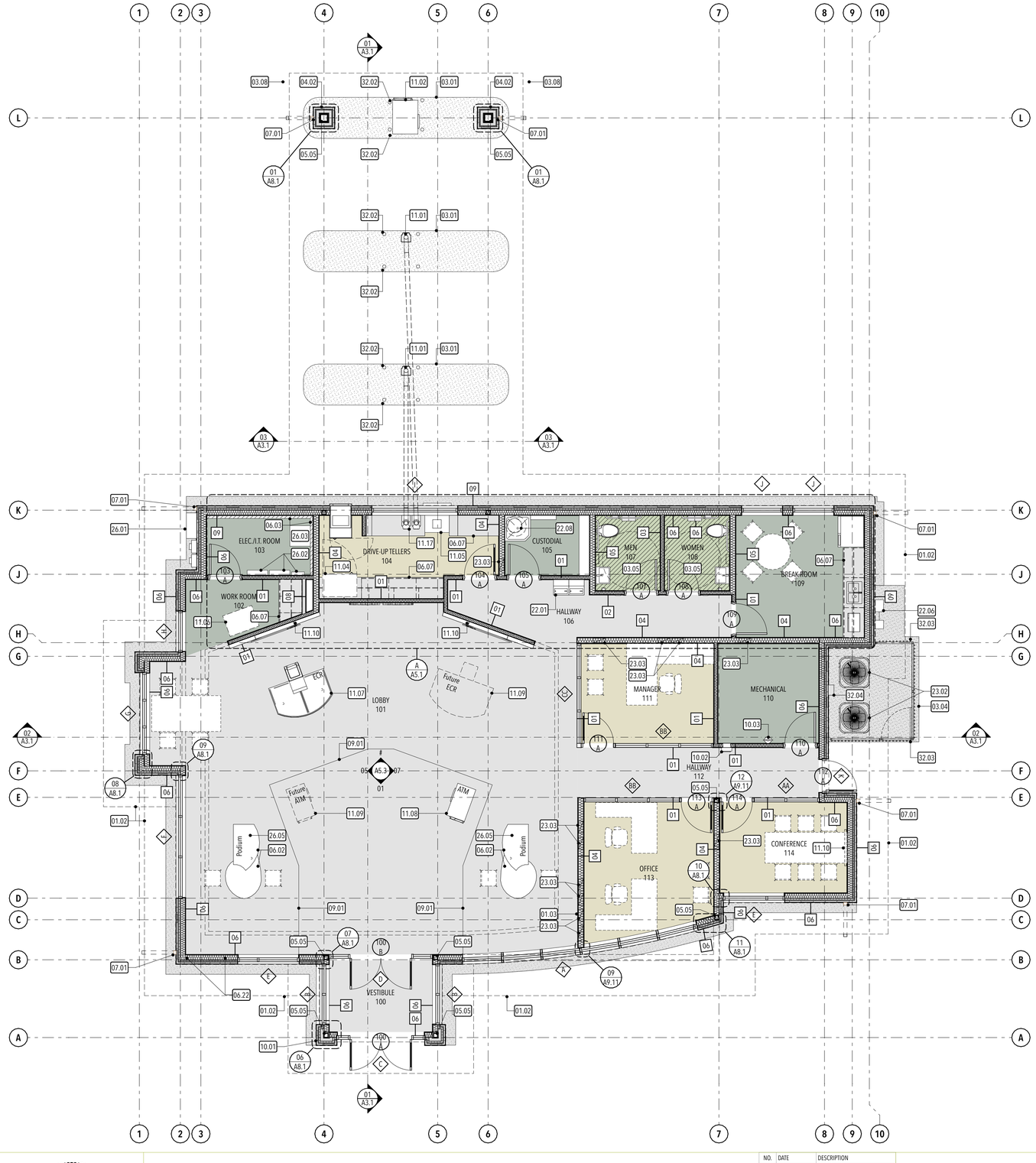
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

SITE DETAILS

SD2.2



STUDIO 333

GENERAL PARTITION NOTES:

FRAMED WALL PARTITIONS

1. Partition type indications are independent of applied finishes. See the finish sheets and interior elevations for wall finishes including tile coursing and layout and/or the designations on the plans for additional information regarding applied finishes. See sheet A1.2 for wall types.
2. Where partition type designation on floor plans is interrupted by door opening, glazed partitions, etc., construction above interruption (and where applicable below) is to be the same as that designated for the partition in which the interruption occurred.
3. All dimensions are face of concrete, stud, or rough opening unless noted otherwise.
4. At all interior walls, the studs, insulation, and gypsum board are to extend to the deck above, unless noted otherwise.
5. All metal stud partitions are considered acoustic partitions and are to receive sound attenuation blanket. Thickness shall match stud depth unless noted otherwise.
6. Contractor to provide blocking/backing for all wall mounted equipment. See floor plans and interior elevations for cabinets, grab bars, etc. Install blocking as detailed or as required to mount such devices. Install as per detail 01/A1.2.
7. All exterior stud walls to have continuous rigid foam insulation and fluid applied air and vapor barrier for the full height and length of the wall. Fully seal all penetrations per barrier manufacturer's recommendations.
8. The air and vapor barrier is to wrap into all window and door openings taking care to not install fluid applied barriers to surfaces detailed to be exposed to view.

CONCRETE, MASONRY AND VENEER

1. See structural plans for additional concrete and masonry wall information.
2. See exterior elevations for coursing and masonry types per A2 elevation sheets.
3. All masonry walls are to be reinforced and are to be set on reinforced footings. Control joints to be located as per the requirements found in the structural documents but are not to exceed 30 feet on center. See the structural drawings for reinforcing and other details pertaining to masonry walls. If not otherwise noted, locate control joints at corner above doors, inside corner of pilasters, or other inconspicuous locations where possible. Consult with architect prior to installing.
4. See IBC, Chapter 7 for fire resistive requirements on new concrete and concrete masonry unit walls.
   - CMU walls (IBC Table 721.1(2), Item 3).
   - Cast in place concrete walls (IBC Table 721.1(2), Item 4).
5. See the A2 elevation sheets for location of veneer control joints. Where not noted, consult architect prior to installing veneer.
6. At wall openings for penetration of pipes, ducts, devices, etc., masonry is to be cut to match the shape and dimension of the penetrating object and the gap between the object and the wall is to be sealed with acoustical or fire sealant on all sides with a ¾" joint at all sides, maximum.
7. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each days work, except when the ambient temperature is expected to remain above 65 deg. F and no precipitation is forecast for the next 24 hours. (This is to prevent condensation from covered walls causing a moisture problem). Cover partially completed masonry each day that construction is not in progress. Walls are to be protected until they are permanently protected by the roofing membrane over the cap plate. The General Contractor is to provide temporary protection immediately following the topping out of each section of wall by installing waterproof sheeting over a continuous cap plate until the roofing membrane is installed. A solid grouted top bond beam shall not be considered adequate protection for the wall.
8. All horizontal and vertical mortar joints at CMU and veneer are to be concave, unless noted otherwise.
9. Provide special shapes, such as "U" shaped CMU channel blocks for lintels or headers and capping units for sash and other special conditions.
10. Veneer weep vents to occur at base of veneered walls, top of veneered walls and above and below window and door openings. Space at 32 inches on center.

KEYED NOTES:

01.02 Edge of roof overhang above (shown as dashed line)
01.03 Center wall on aluminum mullion at curved storefront system
03.01 6" high concrete island – re: 05/SD1.1
03.04 4" thick concrete mechanical equipment pad on 4" base - re: Civil
03.05 Recessed concrete floor slab in this room - re: Structural
03.08 Concrete footing, pier and bolts for canopy by Contractor - re: structural
04.02 Cultured stone veneer column - re: Exterior Materials Legend
05.05 Steel column - re: structural
06.02 Podium millwork. Contractor to provide underground conduits to unit - re: A1.7 and B/A6.1
06.03 3/4" plywood phone/data board (8' high x full width of two walls), set bottom edge 6" above floor, painted to match wall color
06.07 Millwork - re: enlarged plan and details
06.22 Simpson Strongwall system both sides of night drop box opening - re: structural. Provide wood furring at interior face of Strongwall system as required to acheive full depth of adjacent framed partition.
07.01 Rain gutter downspout location. Coordinate with installation of perimeter drain system. Run tight against foundation and connect at finish grade. Color to match metal standing seam roof - re: Exterior Materials Legend
09.01 Metal transition edging. Re: detail 05/A1.31
10.01 Recessed style Knox box in cultured stone veneer. Mount 5'-0" above finish grade. Verify location with fire department
10.02 Semi-recessed fire extinguisher cabinet with fire extinguisher - re: 01/A1.31
10.03 Fire extinguisher on wall bracket
11.01 Pneumatic teller VAT unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit and power in drive-thru canopy for blower unit – re: 07/SD2.1
11.02 ATM unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit – re: 06/SD2.1
11.04 Un-encased safe by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide conduits to unit
11.05 Transaction drawer by Diebold. Coordinate installation with banking equipment supplier
11.06 Copy machine by Owner (N.I.C.)
11.07 Cash recycler by Diebold and millwork by Contractor. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit - re: A1.7 and A/A6.1
11.08 ATM by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to electrical floor box - re: A1.7
11.09 Future banking equipment location - re: Electrical for requirements
11.10 Video monitor by Owner. Provide blocking in wall for mounting bracket - re: 01/A1.2
11.17 Pneumatic tubes above shown dashed - coordinate routing and locations with Owner's Equipment Contractor
22.01 Electric water cooler, Hi/Low unit, with stainless steel surround (beyond) - re: Plumbing
22.06 Gas meter - re: Plumbing. Provide 4" thick pad beneath
22.08 Water heater - re: plumbing
23.02 Mechanical equipment - re: Mechanical and Electrical for underground piping and conduits
23.03 Duct in wall between studs - re: mechanical
26.01 Electric meter base, disconnect, and C.T. can - re: Electrical
26.02 Electrical panel
26.03 Server rack - re: Electrical
26.05 Conduits stubbed through floor slab - re: Electrical
32.02 4" diameter pipe bollard - re: 04/SD2.1 (painted)
32.03 Pre-finished metal fence with 3'-0" gate, powder coat color to be determined by Architect, re: 01, 02, 03/SD1.1
32.04 Irrigation system controller - re: Electrical for power and control wire conduit

PLAN LEGEND:

: Area of recessed slab for thickset tile - re: finish schedule & plans

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BID SET
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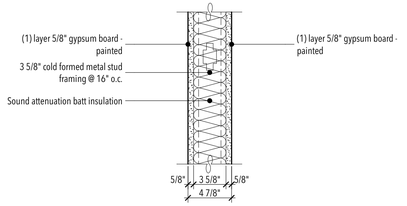
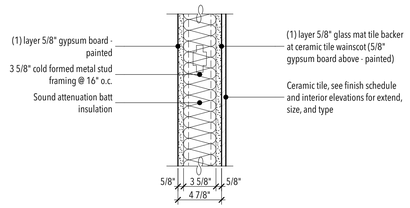
1ST LEVEL ANNOTATED PLAN

A1.1



PARTITION 01



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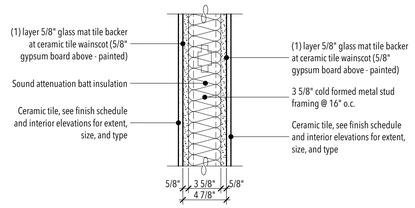

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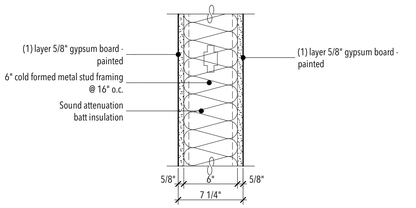

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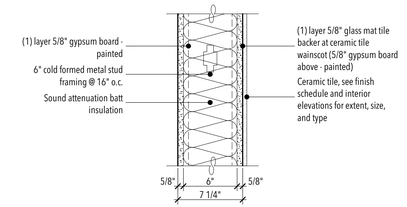

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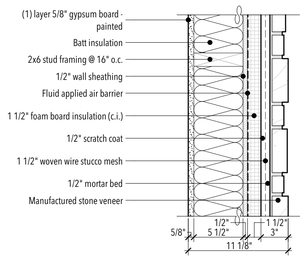

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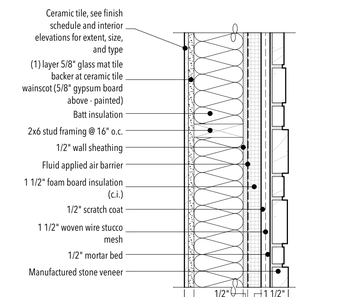

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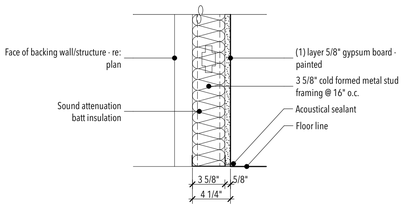

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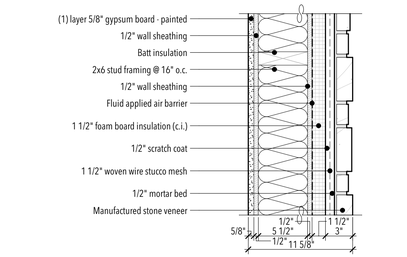

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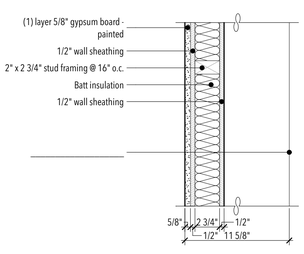

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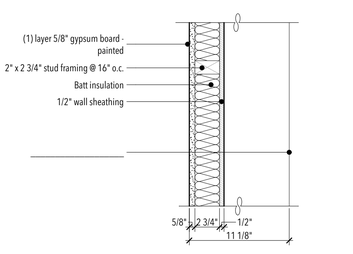

PARTITION 11

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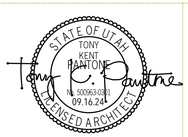

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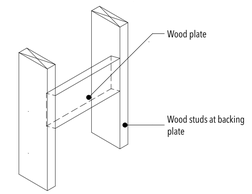
FRAMED WALL PARTITIONS

1. Partition type indications are independent of applied finishes. See the finish sheets and interior elevations for wall finishes including tile coursing and layout and/or the designations on the plans for additional information regarding applied finishes. See sheet A1.2 for wall types.
2. Where partition type designation on floor plans is interrupted by door opening, glazed partitions, etc., construction above interruption (and where applicable below) is to be the same as that designated for the partition in which the interruption occurred.
3. All dimensions are face of concrete, stud, or rough opening unless noted otherwise.
4. At all interior walls, the studs, insulation, and gypsum board are to extend to the deck above, unless noted otherwise.
5. All metal stud partitions are considered acoustic partitions and are to receive sound attenuation blanket. Thickness shall match stud depth unless noted otherwise.
6. Contractor to provide blocking/backing for all wall mounted equipment. See floor plans and interior elevations for cabinets, grab bars, etc. Install blocking as detailed or as required to mount such devices. Install as per detail 01/A1.2.
7. All exterior stud walls to have continuous rigid foam insulation and fluid applied air and vapor barrier for the full height and length of the wall. Fully seal all penetrations per barrier manufacturer's recommendations.
8. The air and vapor barrier is to wrap into all window and door openings taking care to not install fluid applied barriers to surfaces detailed to be exposed to view.

CONCRETE, MASONRY AND VENEER

1. See structural plans for additional concrete and masonry wall information.
2. See exterior elevations for coursing and masonry types per A2 elevation sheets.
3. All masonry walls are to be reinforced and are to be set on reinforced footings. Control joints to be located as per the requirements found in the structural documents but are not to exceed 30 feet on center. See the structural drawings for reinforcing and other details pertaining to masonry walls. If not otherwise noted, locate control joints at corner above doors, inside corner of pilasters, or other inconspicuous locations where possible. Consult with architect prior to installing.
4. See IBC, Chapter 7 for fire resistive requirements on new concrete and concrete masonry unit walls.
   - CMU walls (IBC Table 721.1(2), item 3).
   - Cast in place concrete walls (IBC Table 721.1(2), Item 4).
5. See the A2 elevation sheets for location of veneer control joints. Where not noted, consult architect prior to installing veneer.
6. At wall openings for penetration of pipes, ducts, devices, etc., masonry is to be cut to match the shape and dimension of the penetrating object and the gap between the object and the wall is to be sealed with acoustical or fire sealant on all sides with a ¾" joint at all sides, maximum.
7. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each days work, except when the ambient temperature is expected to remain above 65 deg. F and no precipitation is forecast for the next 24 hours. (This is to prevent condensation from covered walls causing a moisture problem). Cover partially completed masonry each day that construction is not in progress. Walls are to be protected until they are permanently protected by the roofing membrane over the cap plate. The General Contractor is to provide temporary protection immediately following the topping out of each section of wall by installing waterproof sheeting over a continuous cap plate until the roofing membrane is installed. A solid grouted top bond beam shall not be considered adequate protection for the wall.
8. All horizontal and vertical mortar joints at CMU and veneer are to be concave, unless noted otherwise.
9. Provide special shapes, such as "U" shaped CMU channel blocks for lintels or headers and capping units for sash and other special conditions.
10. Veneer weep vents to occur at base of veneered walls, top of veneered walls and above and below window and door openings. Space at 32 inches on center.

Provide backing plates as indicated in the drawings, or where not indicated, according to the following schedule. Refer to details elsewhere in the drawings for the support of wall mounted items in excess of 200 pounds.

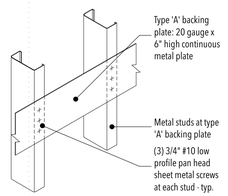


BACKING PLATES:
- At door stops and bumper rails
- At toilet accessories, mirrors, coat hooks, etc.
- At all upper wall hung cabinets
- At all base cabinets
- At all full height cabinets
- At wall mounted adjustable shelving
- At all wall mounted TV monitors

BACKING PLATE DETAIL - WOOD
01 1" = 1'-0"

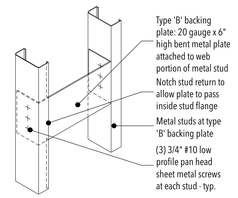
Provide backing plates as indicated in the drawings, or where not indicated, according to the following schedule. Refer to details elsewhere in the drawings for the support of wall mounted items in excess of 200 pounds.

TYPE 'A' BACKING PLATE



TYPE 'A' BACKING PLATES:
- At door stops and bumper rails
- At toilet accessories, mirrors, coat hooks, etc.
- At all upper wall hung cabinets
- At all base cabinets
- At all full height cabinets
- At wall mounted adjustable shelving
- At all wall mounted handrails

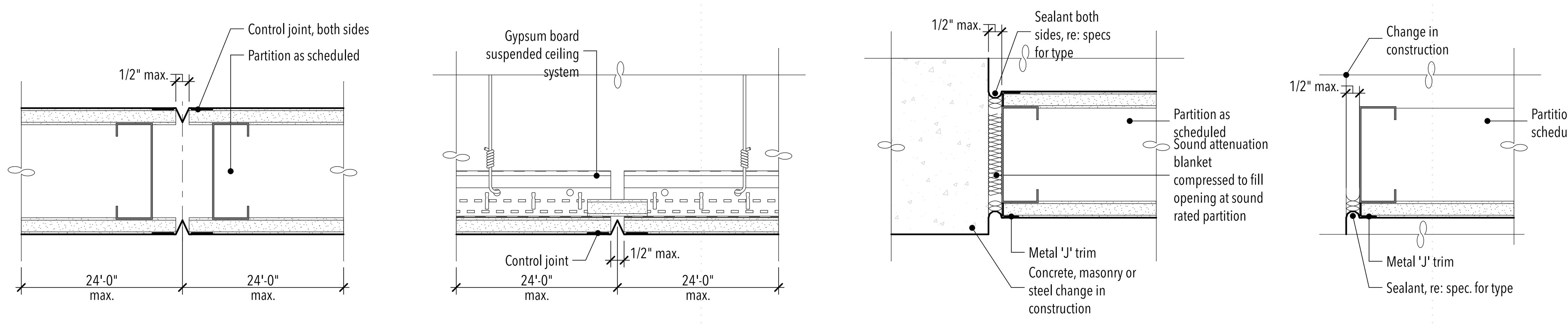
TYPE 'B' BACKING PLATE



TYPE 'B' BACKING PLATES:
- Type 'B' backing plate shall support the same items as type 'A' backing plate but in locations where appearance is the primary concern such as lobbies and other high design areas

BACKING PLATE DETAIL - METAL
02 1" = 1'-0"

PARTITION TYPE DETAILS A1.2



CONTROL JOINT IN GYP. BD. PARTITION

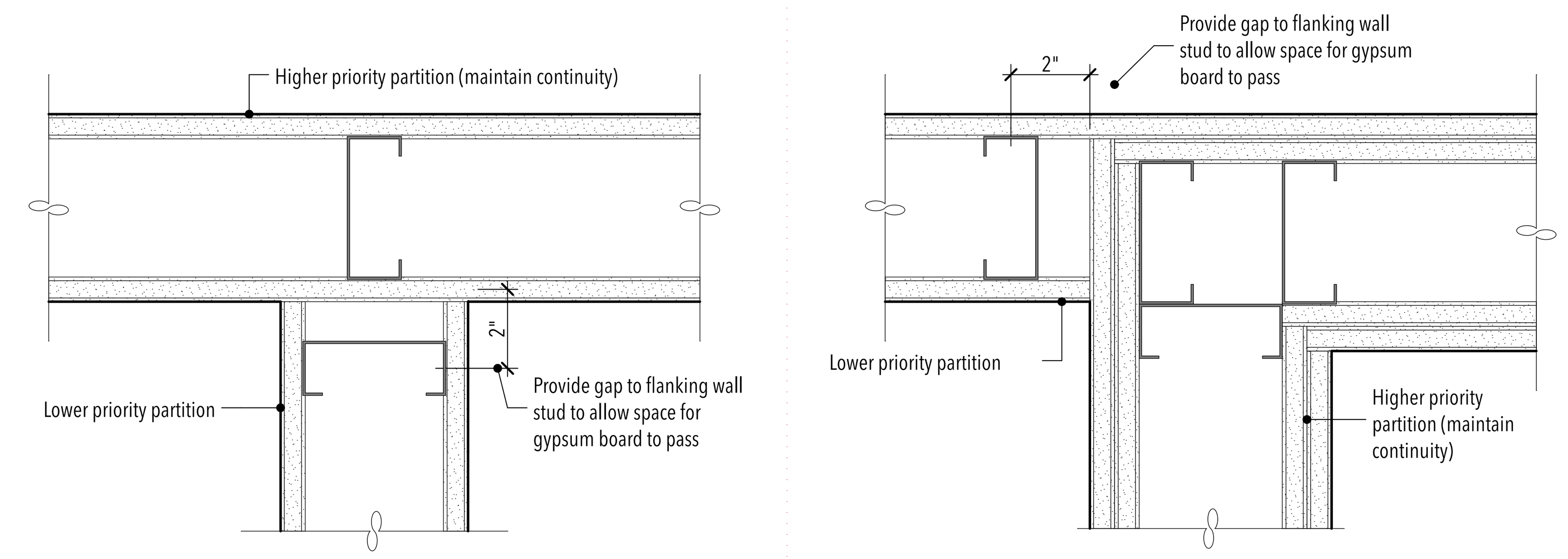
CONTROL JOINT IN GYP. BOARD CEILING

CONTROL JOINT AT PARTITION INTERSECTION OR CHANGE IN CONSTRUCTION

CONTROL JOINT IN PARTITION AT NON-EXPOSED EDGE

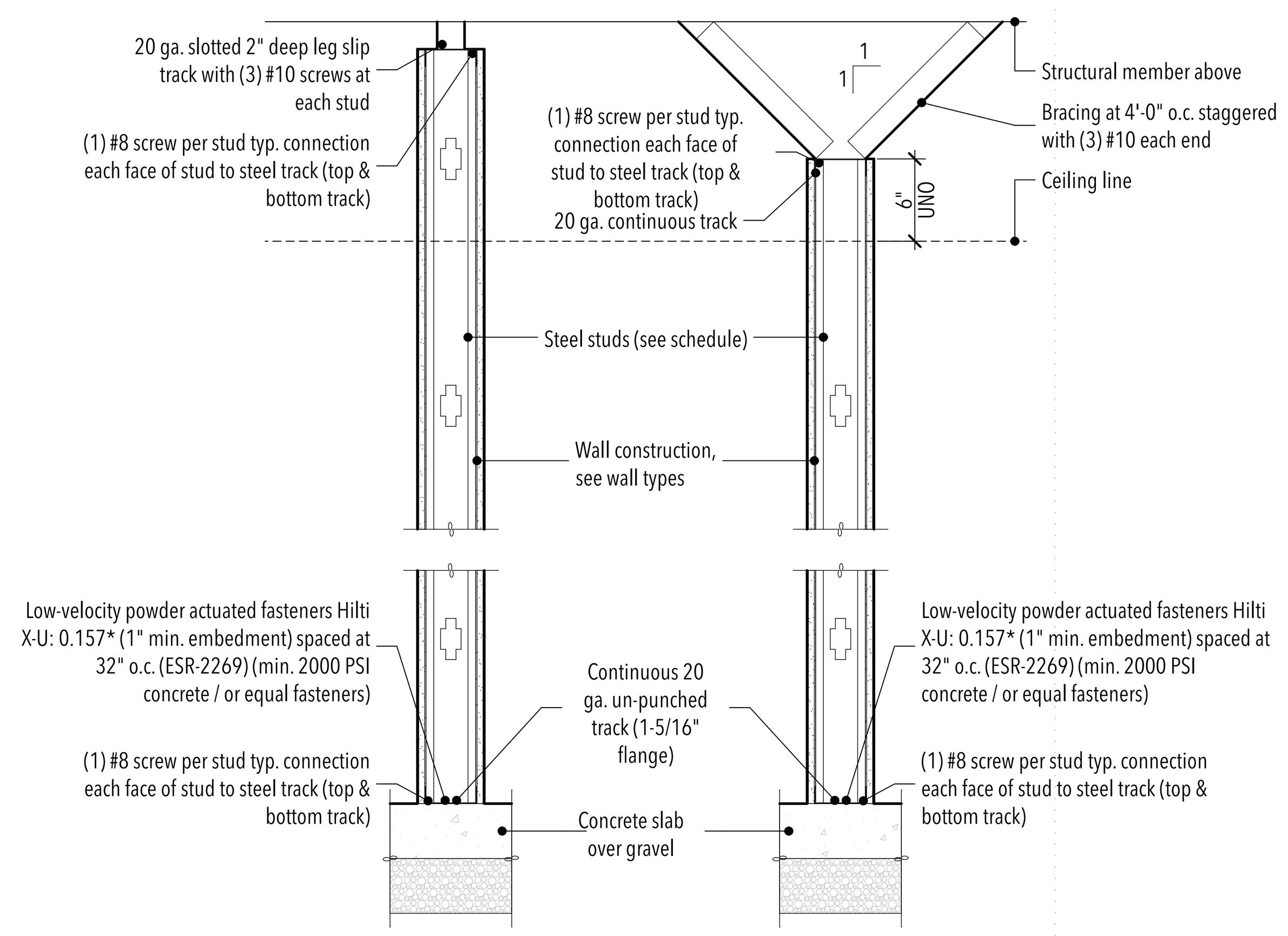
ADDITIONAL NOTES:
1. Building code requires that "smoke partitions" be sealed to structure as indicated to successfully "limit the passage of smoke".
2. Conditions indicated to show design intent, and not intended to be proprietary. Contractor may employ similar
UL-approved control joints designs that are appropriate for the specific condition. Joints to be sized to accommodate movement capabilities of firestop assembly.

TYP. GYP. BD. CONTROL JOINT DETAILS
01 3" = 1'-0"



INTERSECTION AT VARIOUS WALL PRIORITY CONFIGURATIONS

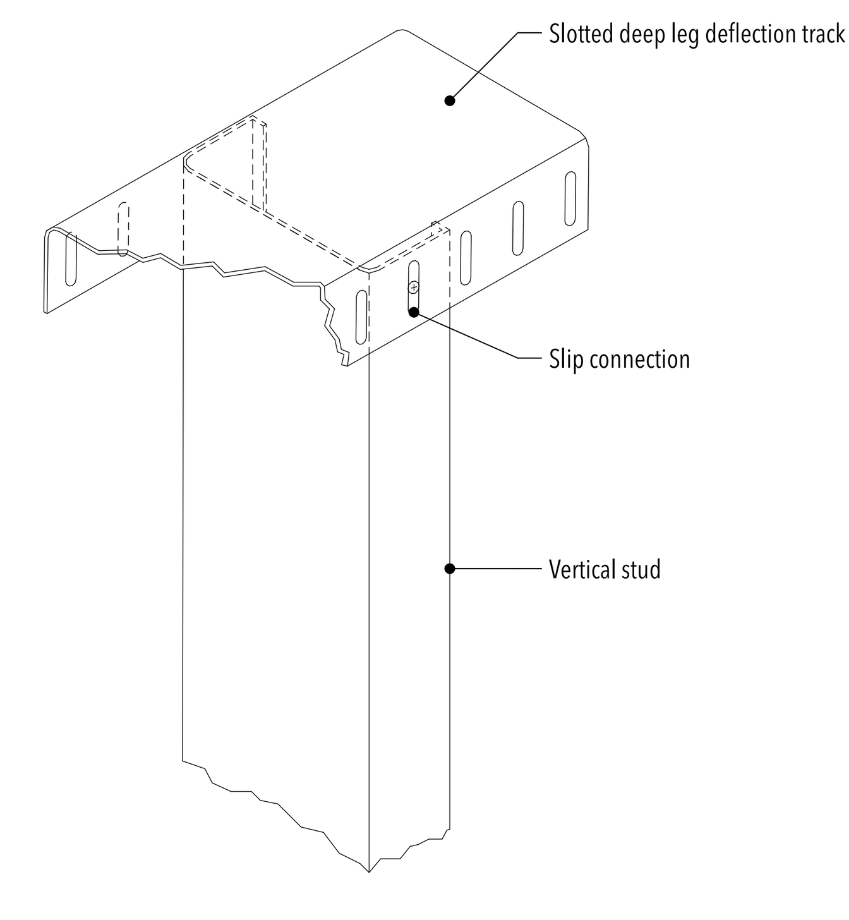
TYP. GYP. BD. PRIORITY DETAILS
02 3" = 1'-0"



DETAIL GENERAL NOTES:
1.Studs braced by gypsum wallboard each side. Maximum screw spacing shall not exceed 12" o.c.
2. 5lbs / sq. ft. max. lateral load
3. FY (min.) = 33KSL
4. Deflection limit 1/120
5. For H > 16'-0" and bracing > 8'-0" separate engineered drawings will be required
6. Not applicable to shear walls
7. For slip track in one hour rated wall assemblies use UL system no. HW-S-028

HEIGHT	METAL STUD SIZE & SPACING
Up to 16'-0"	362S 125-33 @ 16" o.c.
Up to 12'-0"	362S 125-18 @ 16" o.c.
BRACE LENGTH	BRACE SIZE
8'-0" to 6'-1"	400S 125-33
6'-0" or less	362S 125-18
Note: 33 mils = 20 ga. and 18 mils = 25 ga.	

TYP. NON-BEARING STEEL STUD WALL PARTITION DETAIL
03 1" = 1'-0"



ISOMETRIC VIEW OF SLOTTED TOP TRACK

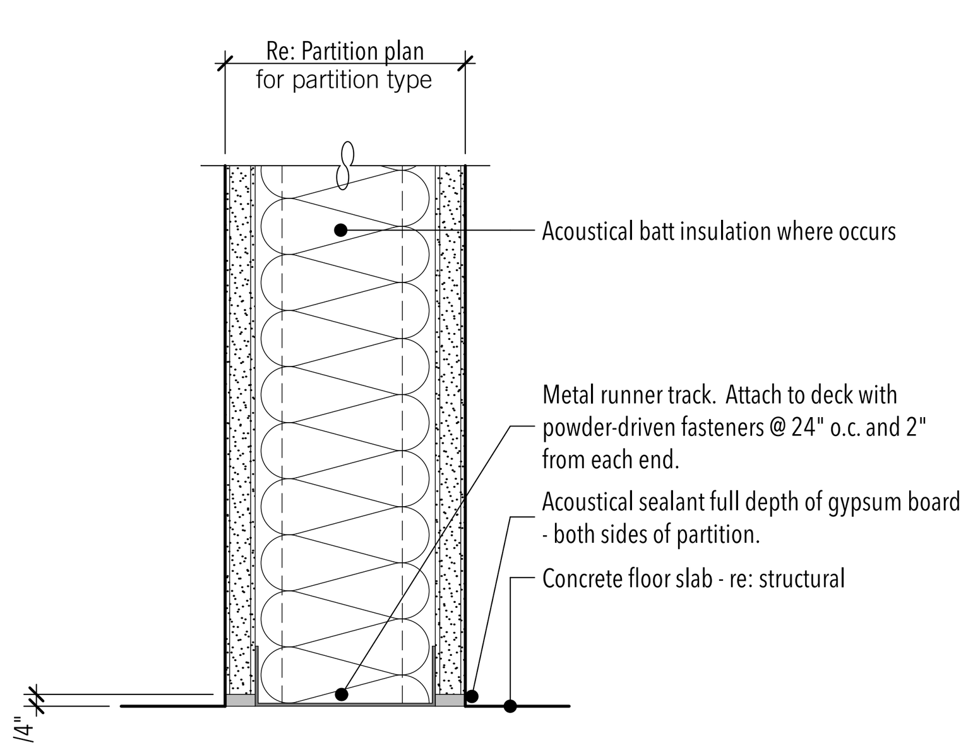
GENERAL NOTES:
1.Conditions indicated show design intent, especially in regard to accommodation of structural deflection and continuity of integrity of sound, smoke and fire walls.
2. Design intent details are not intended to be proprietary. Contractor may employ similar head-of-wall designs and components as appropriate for conditions.
3. Design intent details may not show all conditions to be encountered on a project. Comply with manufacturer and UL approved methods for atypical conditions.
4. Secure top of interior partitions to superstructure in a way that provides lateral stability (perpendicular-to and in-plane with wall) yet allowing for a minimum of 3/4" of vertical deflection of the superstructure.
5. Rigidly secure slotted top track to building superstructure in an approved manner. Employ Z-bars, cold-rolled channels or similar spacer to accommodate thickness of spray-applied fire-resistive materials (SFRM).
6. Slotted top track, indicated on these details, is the basis for design and refers to deep-leg tracks with vertically slotted holes.
7. Secure vertical studs to slotted top track at mid-height of vertical slots in track. Components intended to slide vertically as superstructure deflects.
8. DO NOT screw gypsum wallboard to top track or superstructure. Gypsum board screws into the studs must be at least 1" below the bottom of the top track.
9. Refer to partition standards for specific wall types.
10. At fire-rated walls refer to joint firestopping specifications for additional requirements regarding head-of-wall conditions.
11. Maintain acoustic rating where sound-control walls are indicated.
12. Firestopping and acoustical sealants shall autobond. Provide exposed clean sealant (to conceal firestopping) at food service. FDA inspected production facilities, vivaria, biological containment and clean room applications.
13. Where a wall is designated as both a sound-control wall and a fire-rated wall, refer to fire-rated head-of-wall conditions.
14. Where a wall is designated as a sound-control wall, fill all voids with sound attenuation batts (SAB).
15. Smoke partitions require that at least one layer of gypsum board, and sound-control walls require gypsum board on both sides, be cut to follow undulating surfaces of the superstructure including, but not limited to, flutes in metal decking. Provide a continuous bead of sealant (as specified) to superstructure.

HEAD-OF-WALL DETAIL - GENERAL REQUIREMENTS FOR STUD WALLS
04 3" = 1'-0"

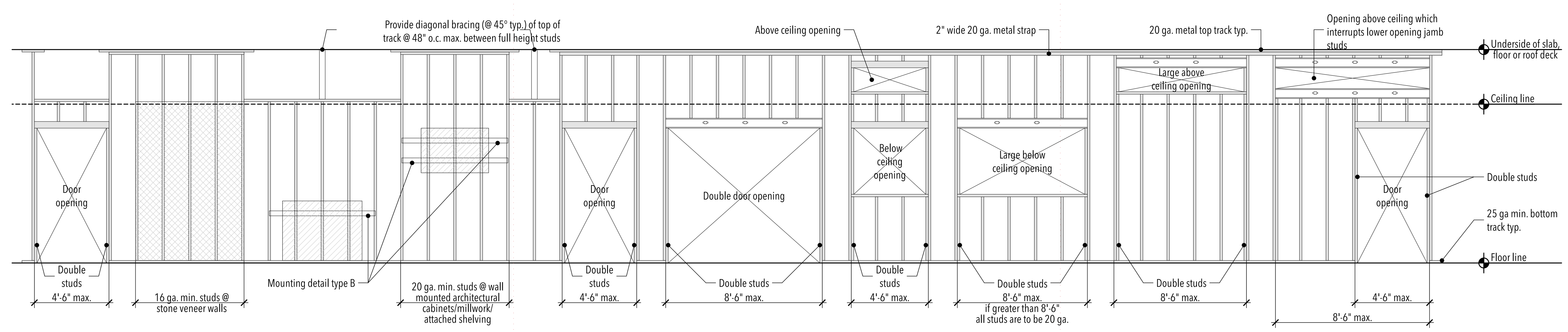
GENERAL PARTITION NOTES:

FRAMED WALL PARTITIONS
1. Partition type indications are independent of applied finishes. See the finish sheets and interior elevations for wall finishes including tile coursing and layout and/or the designations on the plans for additional information regarding applied finishes. See sheet A1.2 for wall types.
2. Where partition type designation on floor plans is interrupted by door opening, glazed partitions, etc., construction above interruption (and where applicable below) is to be the same as that designated for the partition in which the interruption occurred.
3. All dimensions are face of concrete, stud, or rough opening unless noted otherwise.
4. At all interior walls, the studs, insulation, and gypsum board are to extend to the deck above, unless noted otherwise.
5. All metal stud partitions are considered acoustic partitions and are to receive sound attenuation blanket. Thickness shall match stud depth unless noted otherwise.
6. Contractor to provide blocking/backing for all wall mounted equipment. See floor plans and interior elevations for cabinets, grab bars, etc. Install blocking as detailed or as required to mount such devices. Install as per detail 01/A1.2.
7. All exterior stud walls to have continuous rigid foam insulation and fluid applied air and vapor barrier for the full height and length of the wall. Fully seal all penetrations per barrier manufacturer's recommendations.
8. The air and vapor barrier is to wrap into all window and door openings taking care to not install fluid applied barriers to surfaces detailed to be exposed to view.

CONCRETE, MASONRY AND VENEER
1. See structural plans for additional concrete and masonry wall information.
2. See exterior elevations for coursing and masonry types per A2 elevation sheets.
3. All masonry walls are to be reinforced and are to be set on reinforced footings. Control joints to be located as per the requirements found in the structural documents but are not to exceed 30 feet on center. See the structural drawings for reinforcing and other details pertaining to masonry walls. If not otherwise noted, locate control joints at corner above doors, inside corner of pilasters, or other inconspicuous locations where possible. Consult with architect prior to installing.
4. See IBC, Chapter 7 for fire resistive requirements on new concrete and concrete masonry unit walls.
   - CMU walls (IBC Table 721.1(2), item 3).
   - Cast in place concrete walls (IBC Table 721.1(2), Item 4).
5. See the A2 elevation sheets for location of veneer control joints. Where not noted, consult architect prior to installing veneer.
6. At wall openings for penetration of pipes, ducts, devices, etc., masonry is to be cut to match the shape and dimension of the penetrating object and the gap between the object and the wall is to be sealed with acoustical or fire sealant on all sides with a ¾" joint at all sides, maximum.
7. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each days work, except when the ambient temperature is expected to remain above 65 deg. F and no precipitation is forecast for the next 24 hours. (This is to prevent condensation from covered walls causing a moisture problem). Cover partially completed masonry each day that construction is not in progress. Walls are to be protected until they are permanently protected by the roofing membrane over the cap plate. The General Contractor is to provide temporary protection immediately following the topping out of each section of wall by installing waterproof sheeting over a continuous cap plate until the roofing membrane is installed. A solid grouted top bond beam shall not be considered adequate protection for the wall.
8. All horizontal and vertical mortar joints at CMU and veneer are to be concave, unless noted otherwise.
9. Provide special shapes, such as "U" shaped CMU channel blocks for lintels or headers and capping units for sash and other special conditions.
10. Veneer weep vents to occur at base of veneered walls, top of veneered walls and above and below window and door openings. Space at 32 inches on center.



NON-RATED PARTITION BASE
05 3" = 1'-0"



NOTES:
1. All studs are spaced 16" o.c. maximum
2. All studs shall be "C" studs with 1/4" return flange minimum.
3. Indicates shelving or cabinetry
4. Indicates stone
5. Double studs at sides of opening shall not be cut for ductwork or any other mechanical systems.
6. Refer to 20/A1.7 for mounting type details.
7. Provide partition bracing at all assemblies over 15'-0" in height, u.n.o
8. All detail references on this drawing refer to details on this sheet

NOTE TO CONTRACTOR:
- Stone should not be attached directly to shaft walls. Provide additional furring for stone back-up.
- Where stone exceeds 10'-0" in height, or if stone is gravity supported by studs, they should be engineered.

TYP. INTERIOR PARTITION FRAMING
06 1/4" = 1'-0"

NON-BEARING METAL HEADER SCHEDULE		
MAXIMUM SPAN	HEADER	FY
4'-0"	(2) 400S137-43	33 KSI
6'-0"	(2) 600S162-43	33 KSI
8'-0"	(2) 800S162-43	33 KSI

Metal Stud Header Notes:
1. Schedule to be used for non-bearing walls only.
2. Headers to be constructed as box headers per SSMA Standards.
3. See typical detail for more information.

NON-BEARING METAL STUD GAUGE SIZING:

Member depth in 1/100 inches — 362S125-33 — Material thickness in mils
Style (S=stud; J=joist) — Flange width in 1/100 inches

MEMBER DEPTH	MAX. STUD HEIGHT	MIN. GA. & SPACING
2 1/2" (250S125-33)	10'-0"	20 @ 16" O.C.
3 5/8" (362S125-33)	14'-0"	20 @ 16" O.C.
3 5/8" (250S162-33)	16'-0"	20 @ 16" O.C.
3 5/8" (250S162-43)	18'-0"	18 @ 16" O.C.
6" (600S162-33)	24'-0"	20 @ 16" O.C.
6" (600S162-43)	26'-0"	18 @ 16" O.C.
6" (600S162-54-50KSI)	28'-0"	18 @ 16" O.C.

Metal Stud Notes:
1. Steel studs shall meet ICC Report ER-4943P and the SSMA Standards. Height based on SSMA 2001 Catalog and project requirements.
2. See schedule for stud spacing and gauge. All studs and braces shall be 33 KSI unless noted otherwise in these drawings.
3. At all doors provide two tabbed 18 gauge studs at both sides of jamb.

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333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH — TONY KENT PANTONE — No. 5009063-0301 — 09.16.24 — LICENSED ARCHITECT

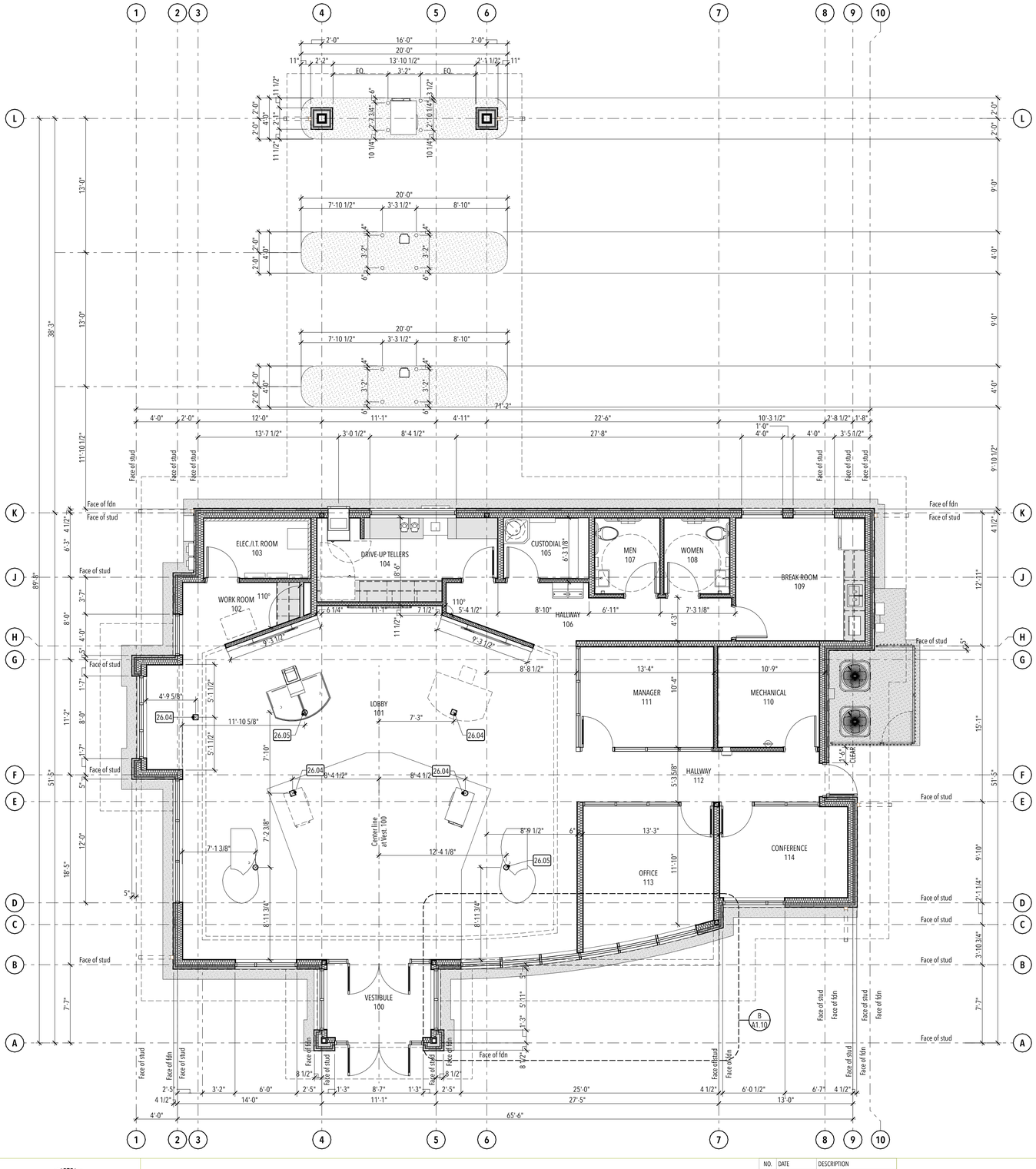
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

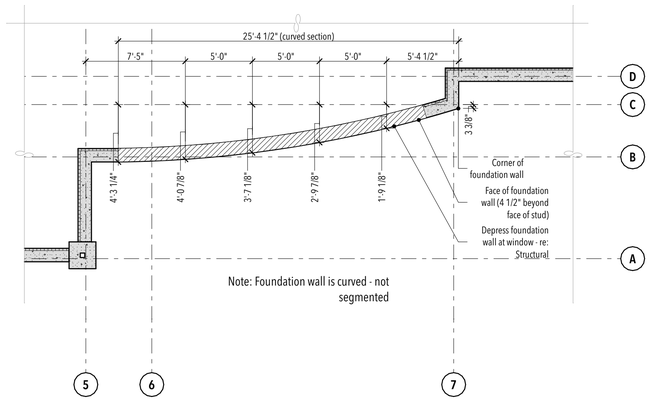
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

STANDARD PARTITION AND FRAMING DETAILS

A1.3





CURVED FOUNDATION WALL

B 3/16" = 1'-0"

STUDIO 333

GENERAL DIMENSION PLAN NOTES:

A. All dimensions are face of stud, center of stud, or face of concrete, masonry, or rough opening unless noted otherwise.
B. Re: Enlarged Plans for dimensions at enlarged areas.
C. Concealed spaces shall be fireblocked/draftstopped per I.B.C. Section 718.

KEYED NOTES:

26.04 Electrical floor box - re: Electrical. Where floor box is located in paver tile flooring, box shall be set flush with finished tile surface (tile cut to fit to box cover) or box cover shall be beveled type to avoid any tripping hazard
26.05 Conduits stubbed through floor slab - re: Electrical

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH
TONY KENT PANTONE
No. 500963-0301
09.16.24
LICENSED ARCHITECT

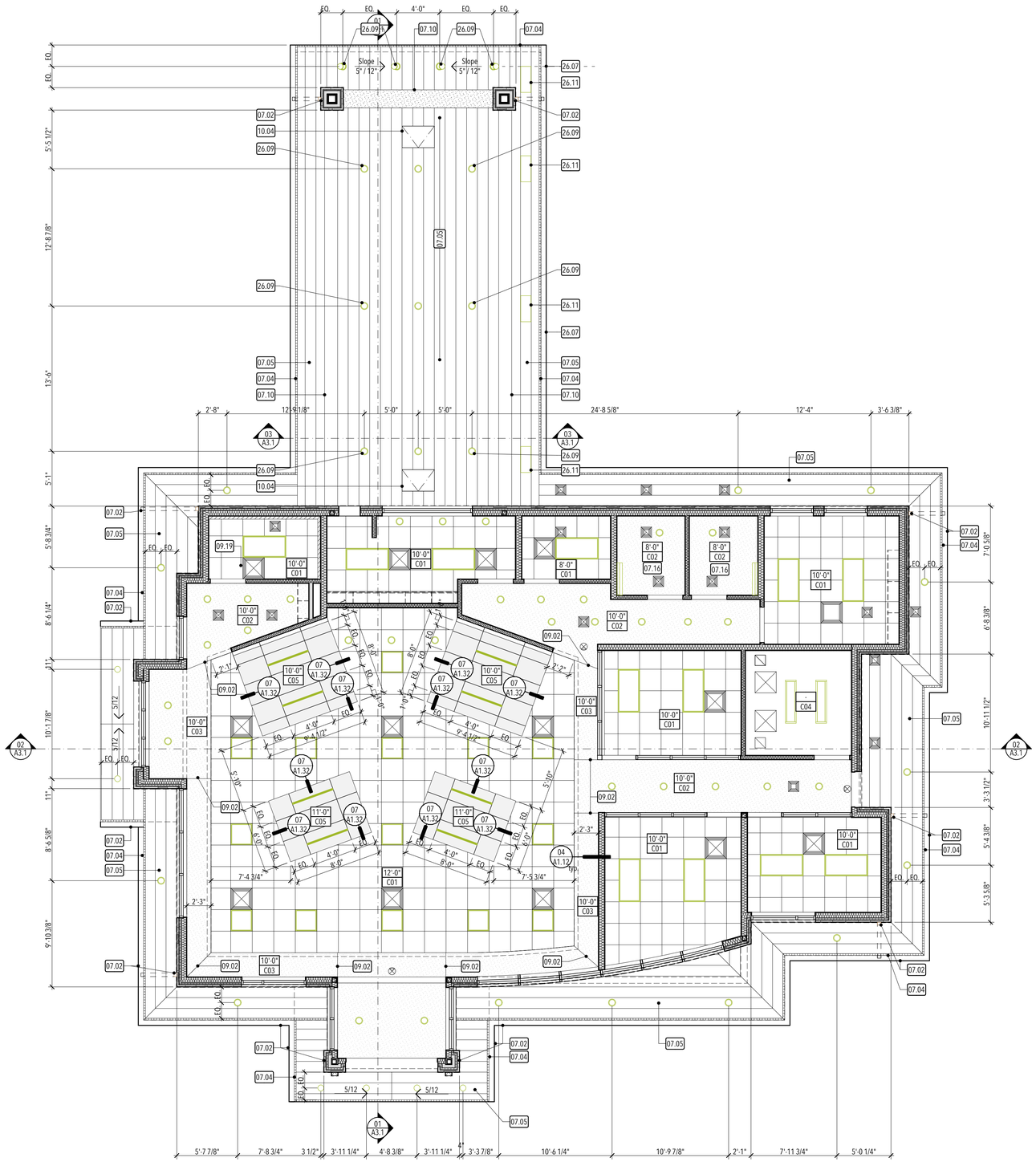
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 3/16" = 1'-0"

1ST LEVEL DIMENSION PLAN

A1.10



STUDIO 333

GENERAL CEILING NOTES:

A. Reference detail 02&03/A1.12 for typical ceiling suspension and seismic bracing.
B. Reference detail 01/A1.12 for typical suspended gypsum board ceilings.
C. Refer to architectural drawings for locations of mechanical grilles, and to mechanical drawings for quantities and types.
D. Refer to architectural drawings for locations of light fixtures and to electrical drawings for quantities and types.
E. All ceiling heights indicated are the elevation of the bottom of the ceiling from the top of the concrete floor slab.
F. All type "C02" ceilings in restrooms shall be epoxy painted.
G. Add unfaced sound batt insulation above all restroom ceilings.

KEYED NOTES:

07.02 Pre-finished rain gutter and downspout, see floor and roof plans. Color to match standing seam roof - re: Exterior Materials Legend
07.04 Pre-finished continuous soffit vent -re: 06/A8.1
07.05 Pre-finished flush panel metal soffit - re: Exterior Materials Legend
07.10 2" E.I.F.S. - re: Exterior Materials Legend
07.16 Provide 6" sound batt on suspended ceiling of this room
09.02 Metal control joint in gypsum board soffit. Extend up face of soffit continuous - re: 05/A1.12
09.19 Start with full 24" panel against this wall to facilitate mechanical diffuser
10.04 24" x 36" flush access door with lock. Coordinate location between trusses with banking equipment supplier. Paint to match soffit color
26.07 Red and green lane light locations centered in lane, re: Electrical
26.09 Light fixture, re: Electrical
26.11 Suspended red/green light - re: electrical

CEILING PLAN LEGEND:

ELECTRICAL

: 2" x 4' light fixture
: 2" x 2' light fixture
: 1" x 4' light fixture
: Exit sign
: Recessed can light fixture

MECHANICAL

: Supply grille
: Return grille
: Exhaust grille

CEILING TYPE LEGEND:

C01 : Suspended 2' x 2' acoustical lay-in tile ceiling. See details 02 & 03 on sheet A1.12.
C02 : Suspended 5/8" gypsum board ceiling system (1 layer). See detail 01/A1.12. Smooth texture. Paint.
C03 : 5/8" gypsum board ceiling system (1 layer) installed over framing. See detail 04/A1.12.
C04 : Exposed structure. Paint all exposed surfaces.
C05 : Suspended hardwood veneer ceiling panel system. See detail 07/A1.32
C06 : 1" thick x 12" wide pre-finished metal soffit system with continuous vent strip where shown.

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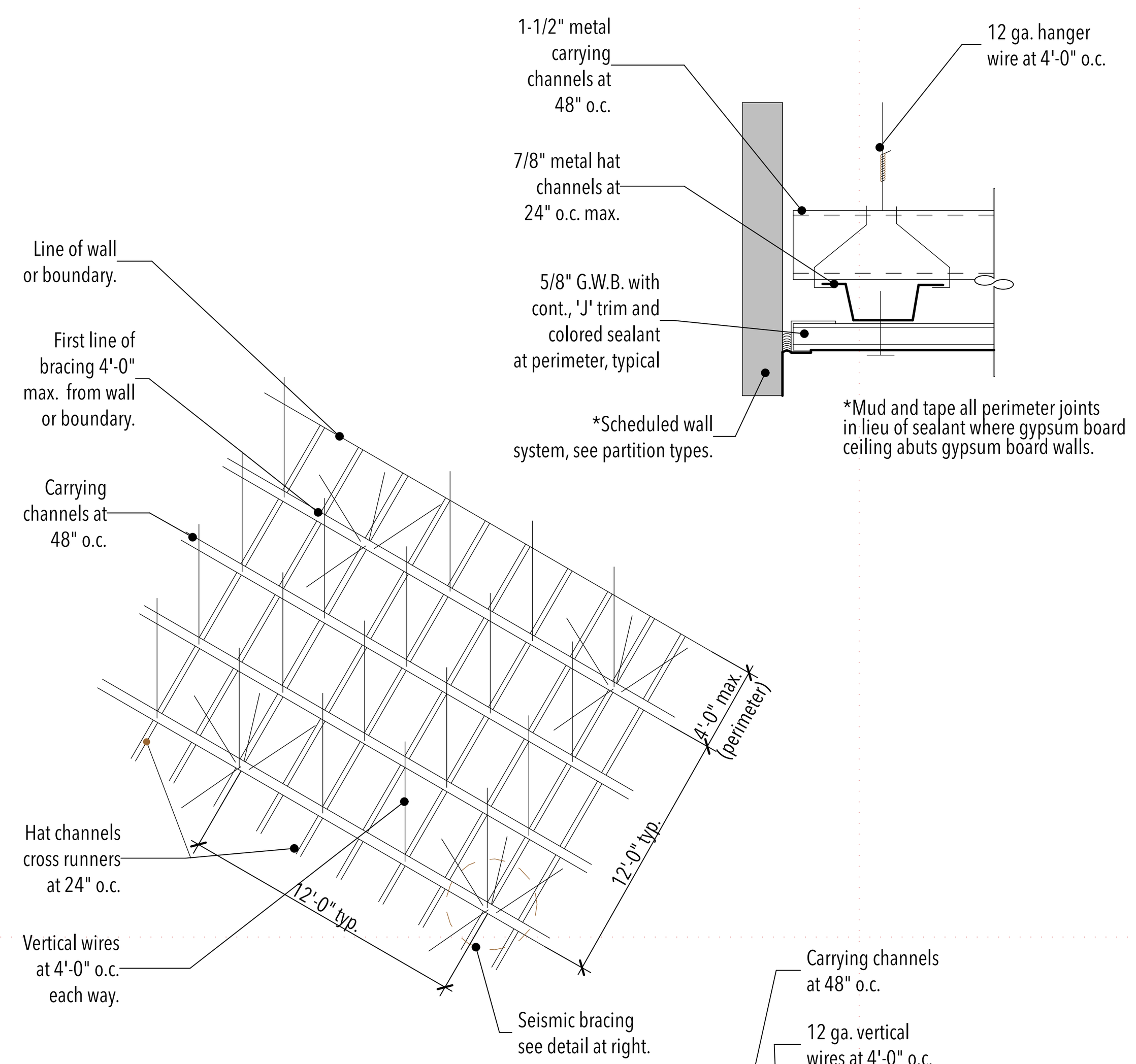
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

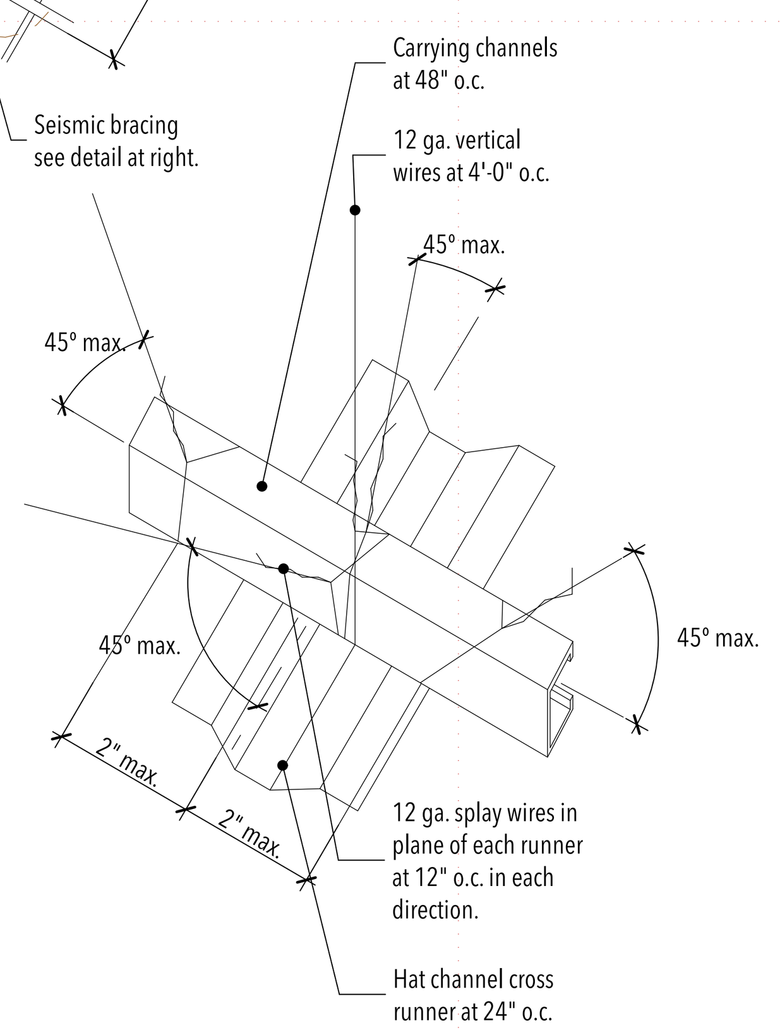
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 3/16" = 1'-0"

1ST LEVEL REFLECTED CEILING PLAN

A1.11

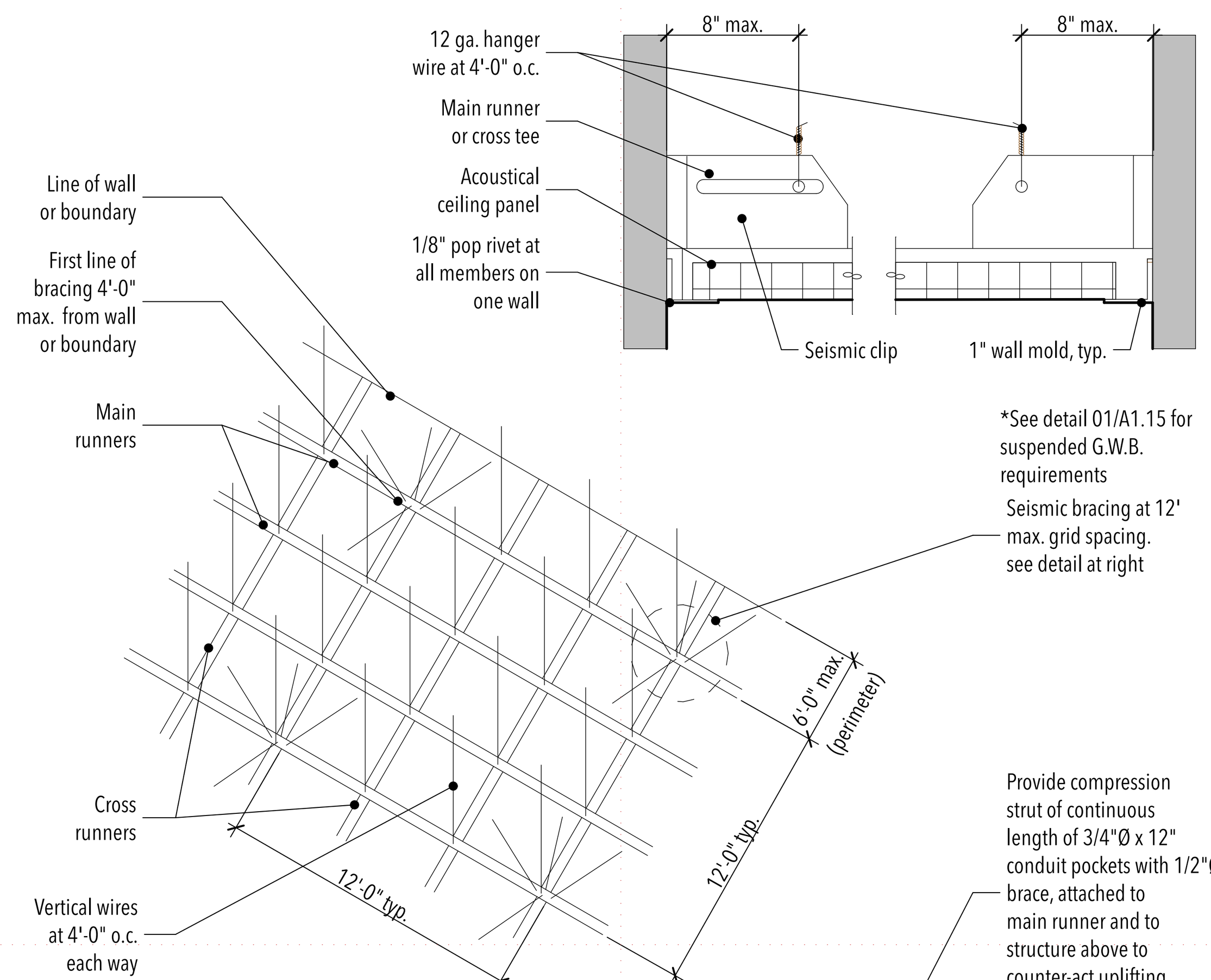


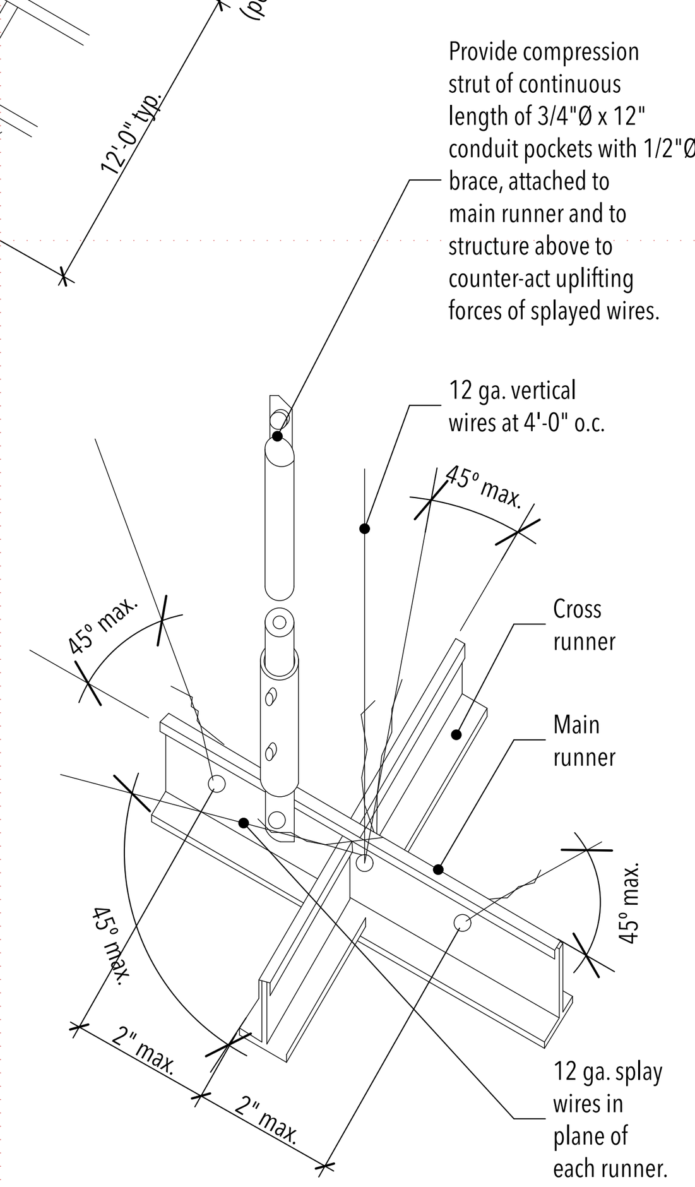


Notes:
1. All splay wires to be in line with attached component.
2. All splay wires to be taut and tied at both ends with minimum of 3 turns in 1" of run.
3. Areas smaller than 1000 sq. ft. with walls on a 4 sides extending to structure need not be braced.
4. All ceiling mounted light fixtures shall be attached to the suspended ceiling grid. In addition 12 gauge hanger wires shall be attached to the grid within 3" of each corner of the light housing and to the structure above (these wires may be slack).
5. Wires shall not attach to or bend around interfering material or equipment, nor shall they be closer than 6" from any un-braced horizontal piping or ductwork. A trapeze or similar device shall be used where obstructions occur.
6. Gypsum board to be installed at right angles to 7/8" hat channel runners. Fasten with 1" type 's' drywall screws at 12" o.c. typical at edges and in field as per USG standards.
7. Provide 'heavy-duty' rated suspension system.

TYP. SUSP. GYP. BD. CEILING DETAIL

01 3/32" = 1'-0"

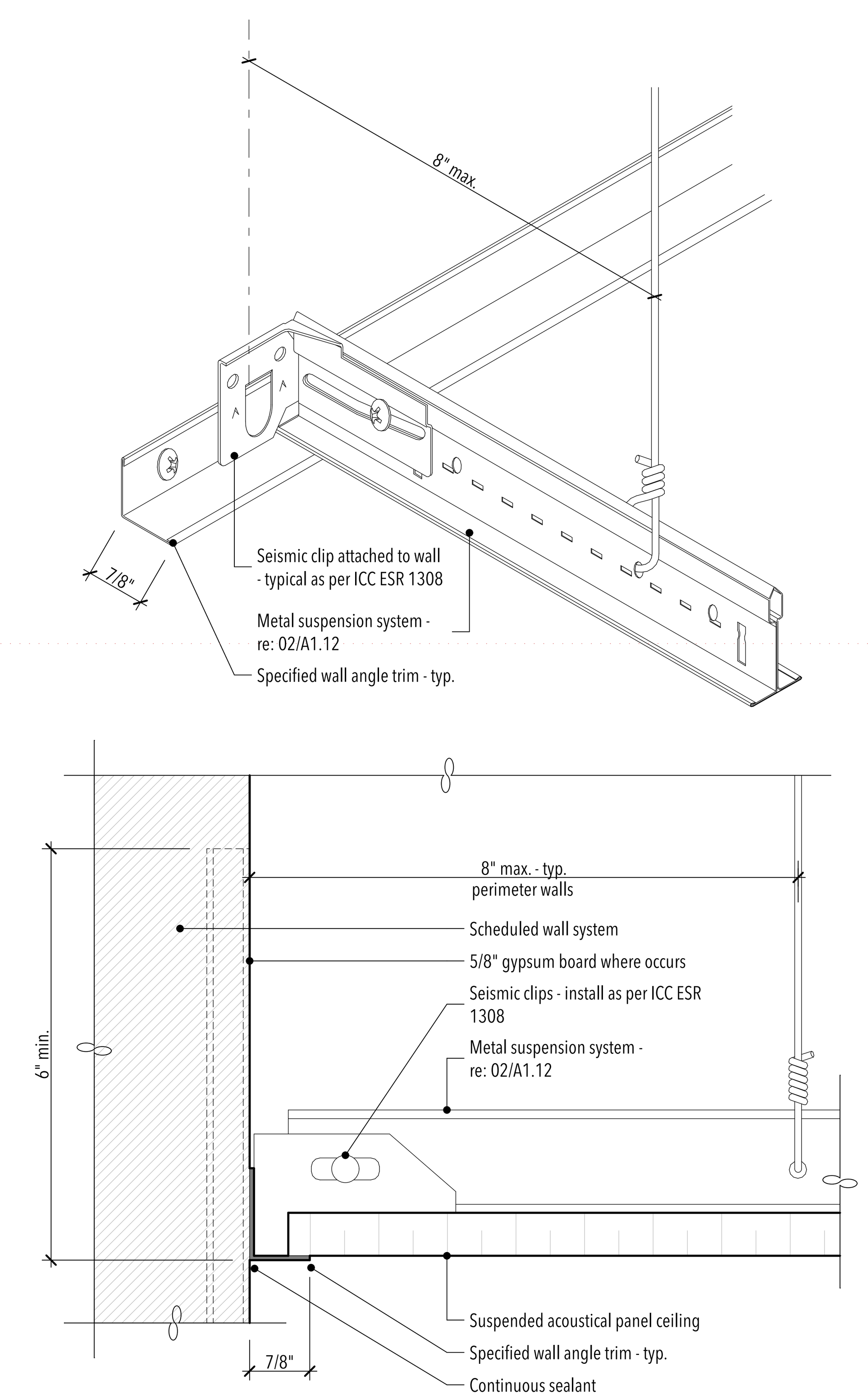




NOTES:
1. All splay wires to be in line with attached component.
2. All splay wires to be taut and tied both ends with minimum of 3 turns in 1" of run.
3. Areas smaller than 1000 sq. ft. with walls on 4 sides extending to structure need not be braced.
4. Compressive struts required at 12'-0" o.c.
5. All ceiling mounted light fixtures shall be attached to the suspended ceiling grid. In addition 12 ga. hanger wires shall be attached to the grid within 3" of each corner of the light housing and to the structure above (these wires may be slack).
6. Wires shall not attach to or bend around interfering material or equipment nor shall they be closer than 6" from any un-braced horizontal piping or ductwork. A trapeze or similar device shall be used where obstructions occur.
7. Provide 7/8" wide perimeter wall molding at all walls.
8. Provide 'heavy-duty' rated suspension system.

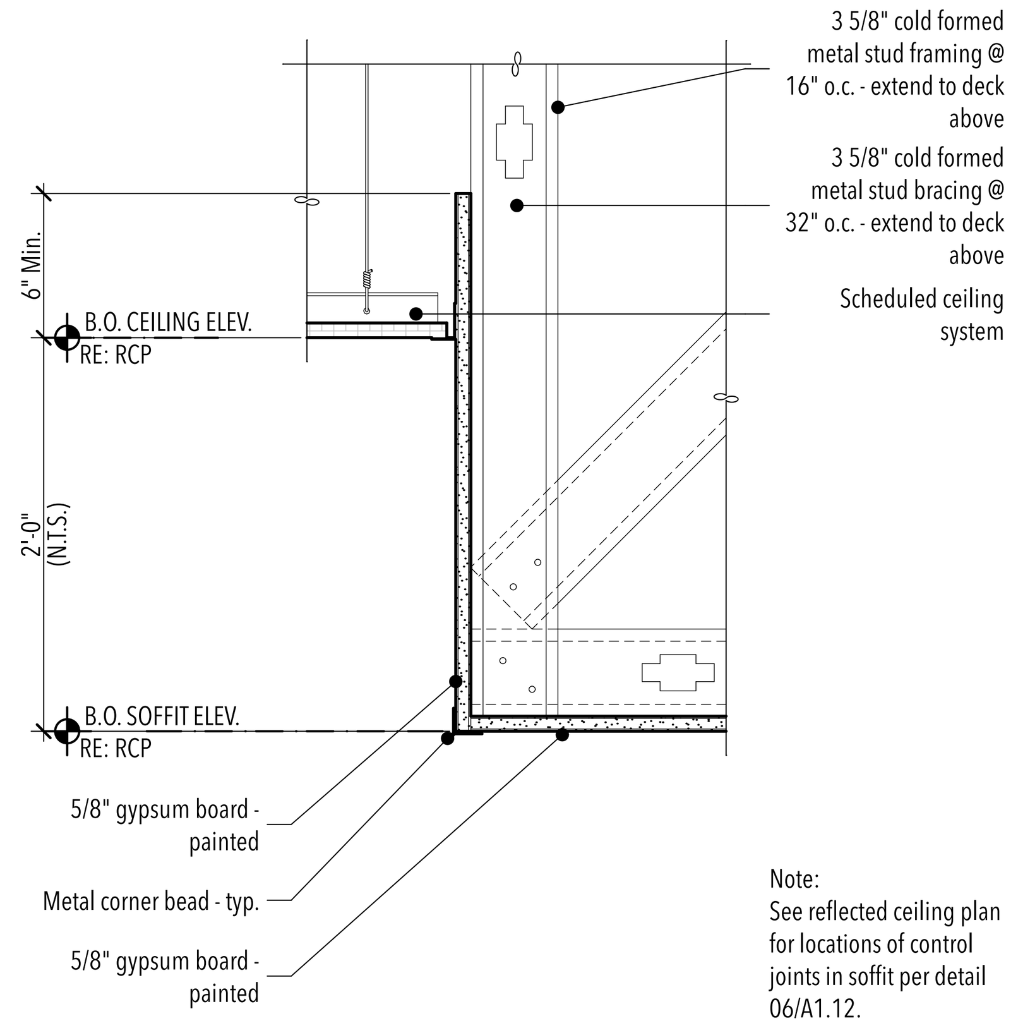
TYP. SUSP. LAY-IN CEILING DETAIL

02 3/32" = 1'-0"



SUSPENDED CEILING DETAIL

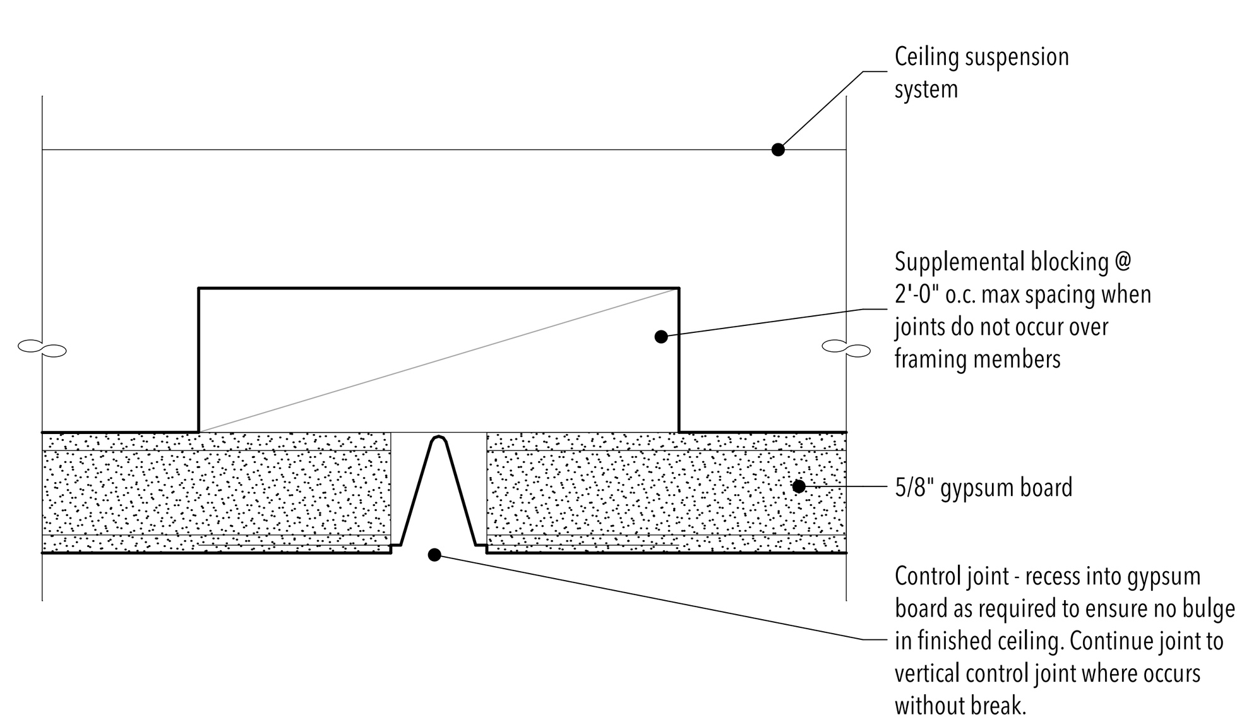
03 6" = 1'-0"



Note:
See reflected ceiling plan for locations of control joints in soffit per detail 06/A1.12.

SOFFIT DETAIL @ CEILING

04 1 1/2" = 1'-0"



CONTROL JOINT

05 1' = 1'-0"

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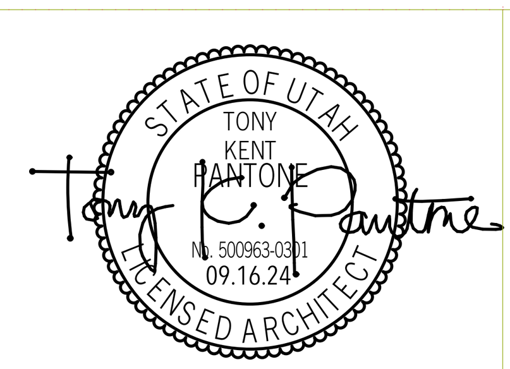


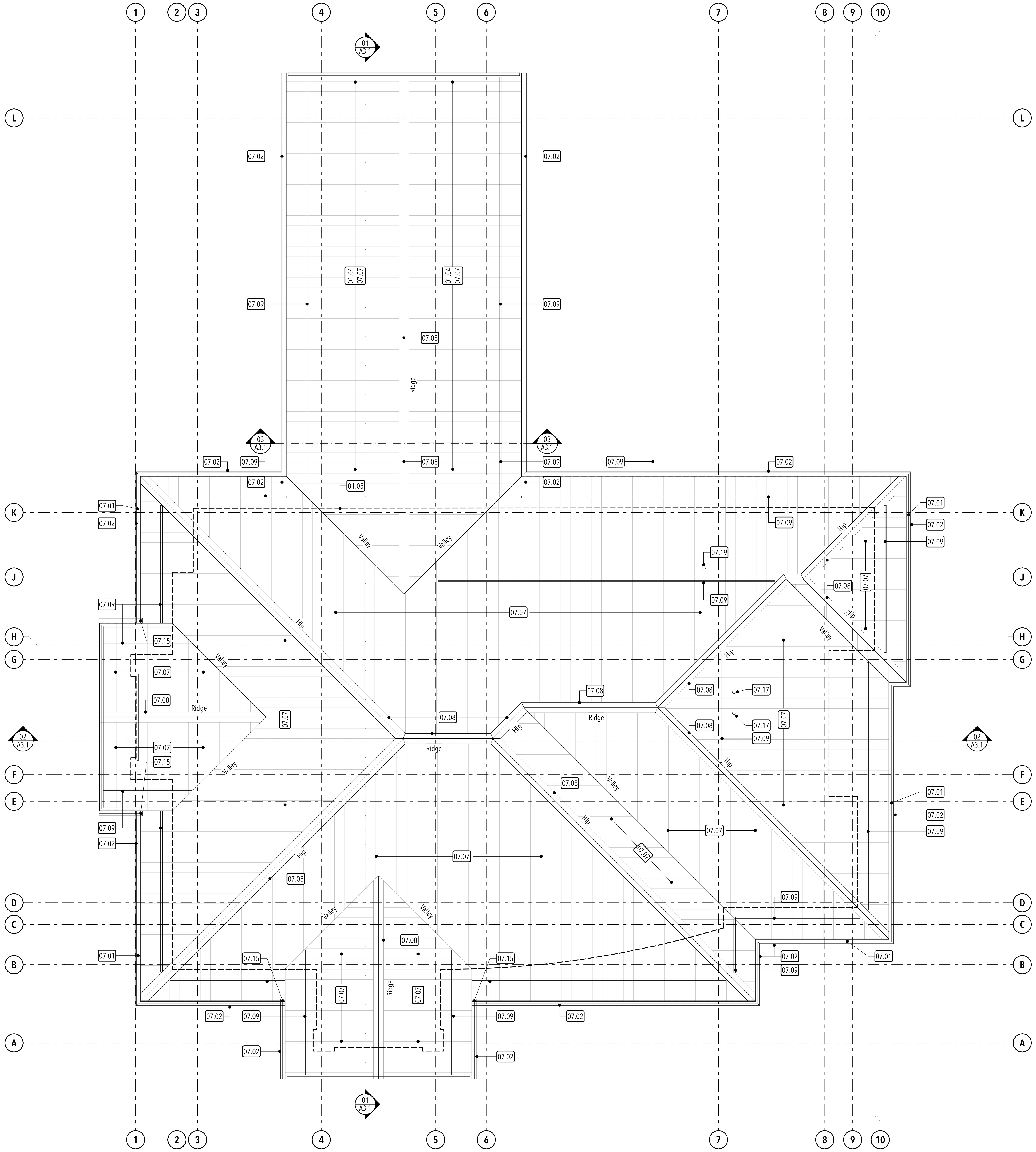
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

CEILING DETAILS

A1.12



GENERAL ROOF NOTES:

A. All flashing, counter-flashing and sheet metal work shall comply with the minimum standards per the current edition of SMACNA.

B. Not all roof penetrations are shown on the architectural roof plan sheets. In addition to the architectural, the Contractor is responsible for referencing the structural, mechanical and electrical documents for all such occurrences. All penetrations of the roof shall meet the roofing manufacturer's recommendations to maintain the integrity of the roofing systems.

C. The Contractor is responsible for providing a manufacturer's approved roofing detail for all roofing conditions so that the specified warranty is obtained. If a condition is shown in these Construction Documents that does not meet the requirements of the roofing manufacturer, these conditions shall be brought to the attention of the Architects prior to bidding.

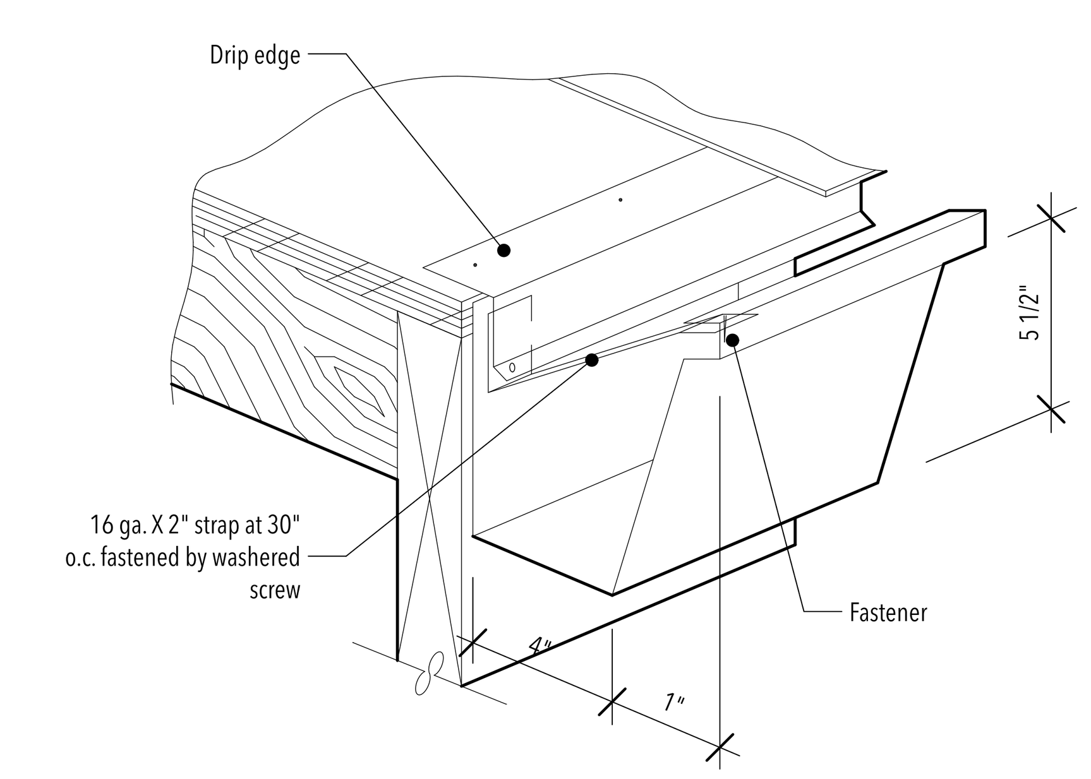
D. Provide all miscellaneous flashings and accessories as required for a complete job. Flash all roof penetrations as required.

E. All miscellaneous vents, flues, curbs, etc. shall meet minimum code clearance above roof line.

F. Paint all plumbing vents, flues and other roof penetrations to match the color of the roofing.

KEYED NOTES:

01.04 Truss webbing to allow for Diebold Airvac pneumatic tubes to pass with no offsets
01.05 Face of exterior wall finish below (shown as dashed line)
07.01 Rain gutter downspout location. Coordinate with installation of perimeter drain system. Run tight against foundation and connect at finish grade. Color to match metal standing seam roof - re: Exterior Materials Legend
07.02 Pre-finished rain gutter and downspout, see floor and roof plans. Color to match standing seam roof - re: Exterior Materials Legend
07.07 Standing seam metal roof - re: Exterior Materials Legend
07.08 Ridge and hip caps. Ridge caps to be manufacturer's vented cap. Color to match standing metal seam roof - re: Exterior Materials Legend. See structural for ventilation slots to be cut in sheathing at ridge
07.09 Snow bars to match roofing color - re: Exterior Materials Legend. Attach at each standing seam
07.15 Open end of gutter. Drains to roof below
07.17 3" diameter concentric flue from furnace - re: mechanical
07.19 3" diameter plumbing vent thru roof - re: plumbing



TYPICAL GUTTER DETAIL

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

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333 24TH STREET
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STATE OF UTAH — TONY KENT PANTONE — No. 500963-0301 — 09.16.24 — LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

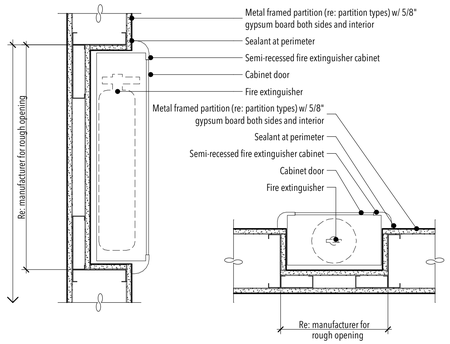
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 3/16" = 1'-0"

ROOF PLAN

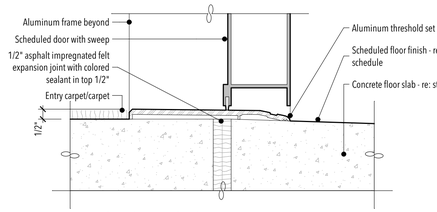
A1.21

FINISH SCHEDULE															
ROOM #	LEVEL	ROOM NAME	FLOOR	BASE				WALL				CEILING	HEIGHT	SPECIALTIES	REMARKS
				N	E	S	W	N	E	S	W				
100	1ST LEVEL F.F.	VESTIBULE	F03	B01	B01	B01	B01	W01	W01	W01	W01	C02	10'-0"		
101	1ST LEVEL F.F.	LOBBY	F01; F05; F06	B01	B01	B01	B01	W01; W03	W01	W01	W01	C01; C03; C05	12'-0" (10'-0", 11'-0")	S02; S05	Base M03 at millwork.
102	1ST LEVEL F.F.	WORK ROOM	F01	B01	B01	B01	B01	W01	W01	W01	W01	C02	10'-0"	S03; S05	
103	1ST LEVEL F.F.	ELEC./I.T. ROOM	F08	B01	B01	B01	B01	W01	W01	W01	W01	C01	10'-0"	S03; S04; S06; S10	
104	1ST LEVEL F.F.	DRIVE-UP TELLERS	F02	B01	B01	B01	B01	W01	W01	W01	W01	C01	10'-0"	S03; S05; S10	
105	1ST LEVEL F.F.	CUSTODIAL	F08	B01	B01	B01	B01	W04; W07	W04	W04	W04; W07	C01	8'-0"	S03; S07; S10	
106	1ST LEVEL F.F.	HALLWAY	F01	B01	B01	B01	B01	W01	W01	W01	W01	C02	10'-0"	S01; S03	
107	1ST LEVEL F.F.	MEN	F04	B02	B02	B02	B02	W04; W05	W04; W05	W04; W05	W04; W06	C02	8'-0"	S03; S10	
108	1ST LEVEL F.F.	WOMEN	F04	B02	B02	B02	B02	W04; W05	W04; W06	W04; W05	W04; W05	C02	8'-0"	S03; S10	
109	1ST LEVEL F.F.	BREAK ROOM	F07	B01	B01	B01	B01	W01	W01	W01	W01	C01	10'-0"	S03; S05; S10	
110	1ST LEVEL F.F.	MECHANICAL	F08	B01	B01	B01	B01	W01	W01	W01	W01	C04	13'-0"	S03; S08; S09	
111	1ST LEVEL F.F.	MANAGER	F02	B01	B01	-	-	W01	W02	W01	W01	C01	10'-0"		
112	1ST LEVEL F.F.	HALLWAY	F01	B01	B01	B01	B01	W01	W01	W01	W01	C02	10'-0"		
113	1ST LEVEL F.F.	OFFICE	F02	-	B01	B01	B01	W01	W02	W01	W01	C01	10'-0"		
114	1ST LEVEL F.F.	CONFERENCE	F02	B01	B01	B01	B01	W01	W02	W01	W01	C01	10'-0"		



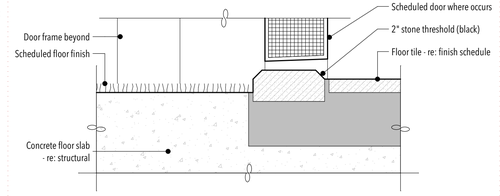
FIRE EXTINGUISHER CABINET

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



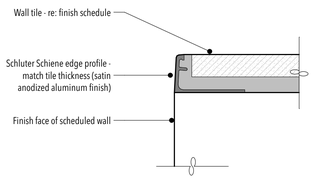
TYP. THRESHOLD @ CARPET

02 6" = 1'-0"



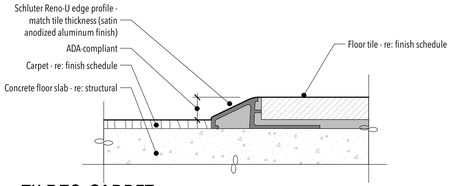
STONE THRESHOLD DETAIL

03 6" = 1'-0"



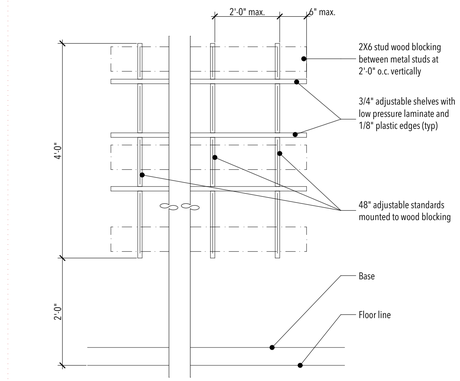
TILE @ OUTSIDE CORNER (GYP. BD.)

04 1' = 1'-0"



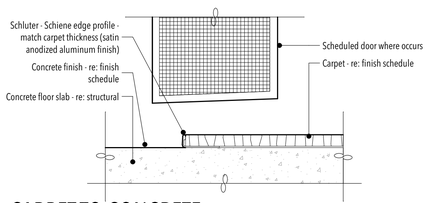
TILE TO CARPET

05 1' = 1'-0"



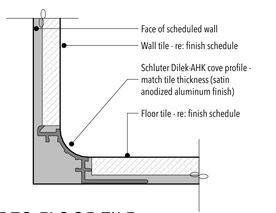
ADJUSTABLE SHELVING

08 3/4" = 1'-0"



CARPET TO CONCRETE

06 1' = 1'-0"



WALL TILE TO FLOOR TILE

07 1' = 1'-0"

STUDIO 333

GENERAL FINISH NOTES:

A. Provide epoxy paint at walls and ceilings at all toilet rooms, janitor rooms, and wet or damp areas.
B. All floor transitions to be located at center of door, unless noted otherwise.
C. All grout joints to be no larger than 1/8".
D. Field verify all dimensions before fabrication of millwork.
E. Coordinate all millwork with banking equipment before fabrication.
F. Re: interior elevation sheets for all wall tile patterns. Coordinate pattern layouts with Architect prior to cutting and placement of any and all tile.
G. All countertop, backsplashes, and edge banding to have coordinating finishes.
H. 5/8" 'Denshield' or equal tile backer board in lieu of gypsum board required behind all wall tile.
I. Contractor shall provide continuous crack isolation membrane at all floor tile locations - re: project manual.
J. Re: Finish Schedule on sheet A1.31 for all finish information.
K. Re: Finish Schedule on sheet A1.31 for location of accent wall paint W02, W03. All other walls to be painted W01.

FINISH PLAN LEGEND:

ID	PRODUCT	MFR.	COLOR/NOTES
FLOOR MATERIALS			
F01	Carpet tile	Tarkett	Light Shift, White Out, 24"x24"
F02	Carpet tile (accent)	Tarkett	Parallel Ray, White Out, 24"x24"
F03	Walk off carpet tile	Tarkett	Assertive Action, Chromium, 24"x24"
F04	Restroom floor tile	Crossville Studios	Feel, Grey, Mosaic Spina; Grout: Mapei, 104 Timberwolf
F05	Lobby floor tile	Crossville Studios	Feel, Grey, 24"x24", Natural; Grout: Mapei, 104 Timberwolf
F06	Lobby floor file (Accent)	Crossville Studios	Feel, Grey, 12"x24", Polished; Grout: Mapei, 104 Timberwolf
F07	LVT	Tarkett	Contour Stone, Artifice, Interlace 18"x18"
F08	Painted concrete	PPG	PPG0996-4 Cloudy Slate
BASE MATERIALS			
B01	4" coved rubber base	Johnsonite/Tarkett	4" Traditional Duracove Rubber, 199 Dockside WG
B02	No base	-	Provide cove trim in lieu of base. Re: detail 07/A1.31.
WALL MATERIALS			
W01	Primed & painted wall surface	PPG	PPG0996-1 Shining Scale; Satin
W02	Primed & painted wall surface (Accent)	PPG	PPG0996-4 Cloudy Slate; Satin
W03	Primed & painted wall surface (Accent)	PPG	PPG0996-6 Slate Mine; Satin
W04	Primed & painted wall surface (Epoxy)	PPG	PPG0996-1 Shining Scale
W05	Wall tile	Crossville Studios	Feel, Grey, 12"x24"; Grout: Mapei; 104 Timberwolf
W06	Wall tile (Accent)	Crossville Studios	Feel, Grey Stripes, 12"x24"; Grout: Mapei; 104 Timberwolf
W07	Hardwood veneer wall panels	-	Stain: Match Door Finish – (Oshkosh Color: SWMAP, Finish: Clear Finish – 500)
W08	Wall tile	Crossville	Swatches, Necessary Objects, Cotton, Satin, 6"x6", NEC01.10606S; Grout: Mapei, 104 Timberwolf
CEILING MATERIALS			
C01	Suspended 2'x2' acoustical lay-in tile ceiling	Armstrong	Cortega, White, 2'x2'
C02	Suspended 5/8" gypsum board ceiling system (1 layer)	PPG	Smooth texture; Paint color: PPG0996-1 Shining Scale; Flat (epoxy paint in wet areas)
C03	5/8" gypsum board ceiling (1 layer) installed over framing	PPG	Smooth texture; Paint color: PPG0996-1 Shining Scale; Flat
C04	Exposed structure	-	-
C05	Suspended hardwood veneer ceiling panel system	-	Stain: Match Door Finish - (Oshkosh Color: SWMAP, Finish: Clear Finish - 500)
MILLWORK FINISHES			
M01	Solid surface	Formica	742 Blanco Terrazzo
M02	Solid surface	Formica	412 Dalmata Terrazzo Matrix
M03	Stainless steel base	Alpolic	18 gauge, brushed finish
M04	Plastic laminate	Formica	86992-58 Hard Rock Maple
M05	Plastic laminate	Formica	6994-26 Ceruse Gray Walnut
M06	Rubber base	Johnsonite/Tarkett	199 Dockside WG
SPECIALTIES			
S01	Electric water cooler with stainless steel backsplash	-	Re: electrical
S02	Semi-recessed fire extinguisher cabinet	-	Re: detail 01/A1.31
S03	Hollow metal frame	PPG	Paint frame; PPG0996-4 Cloudy Slate; Semi-Gloss
S04	Electrical panels/equipment	-	Re: electrical
S05	Millwork	-	-
S06	3/4" plywood phone board - see floor plan	-	Paint to match walls
S07	Adjustable shelving - 3 shelves	-	Re: detail 08/A1.31
S09	Wall-mount fire extinguisher	-	-
S10	Door Stain	Oshkosh Door Company	Color: SWMAP, Finish: Clear Finish - 500

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH · TONY KENT PAINTONE · No. 5009630-0202 · 09.16.24 · LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

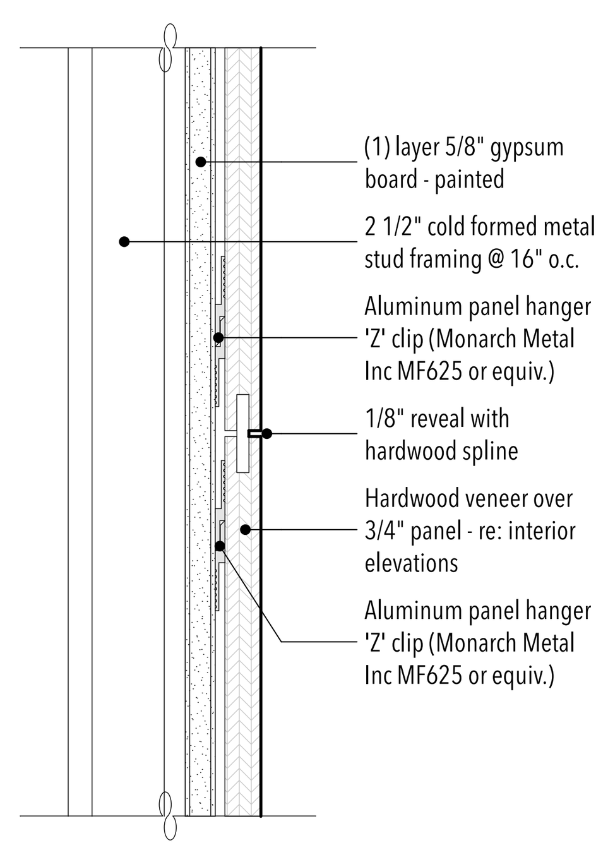
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

FINISH SCHEDULE & LEGEND

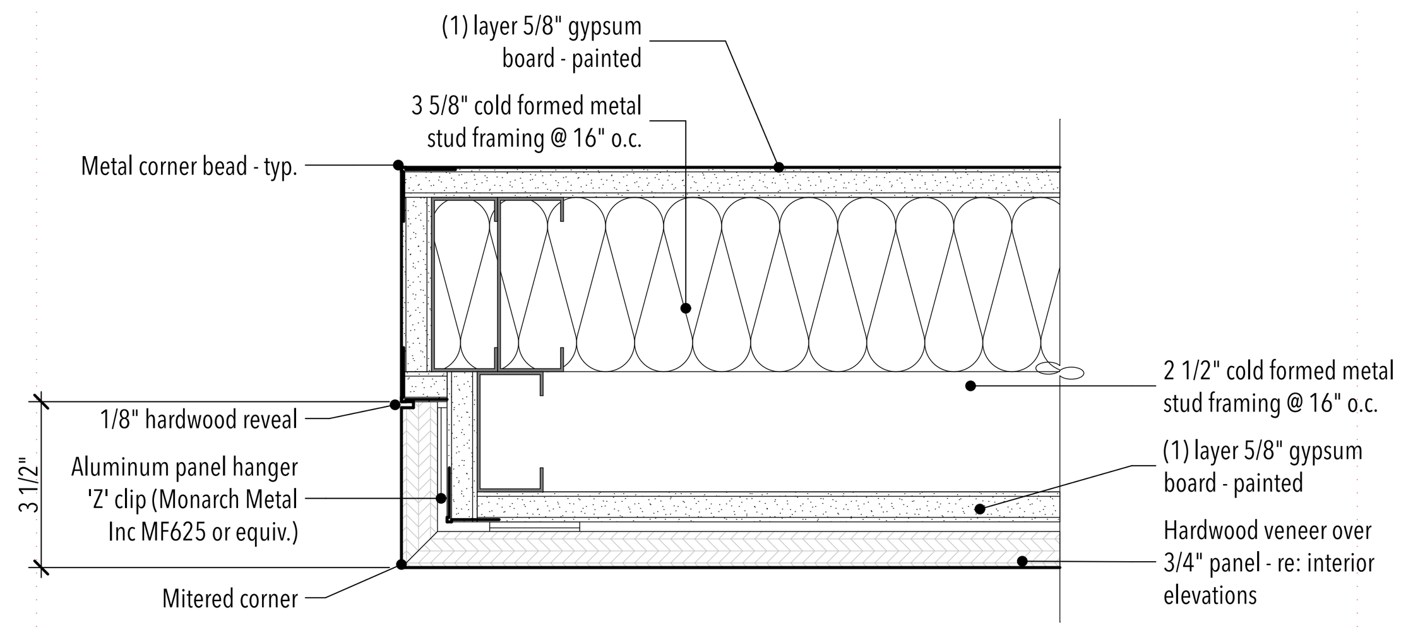
A1.31

STUDIO 333



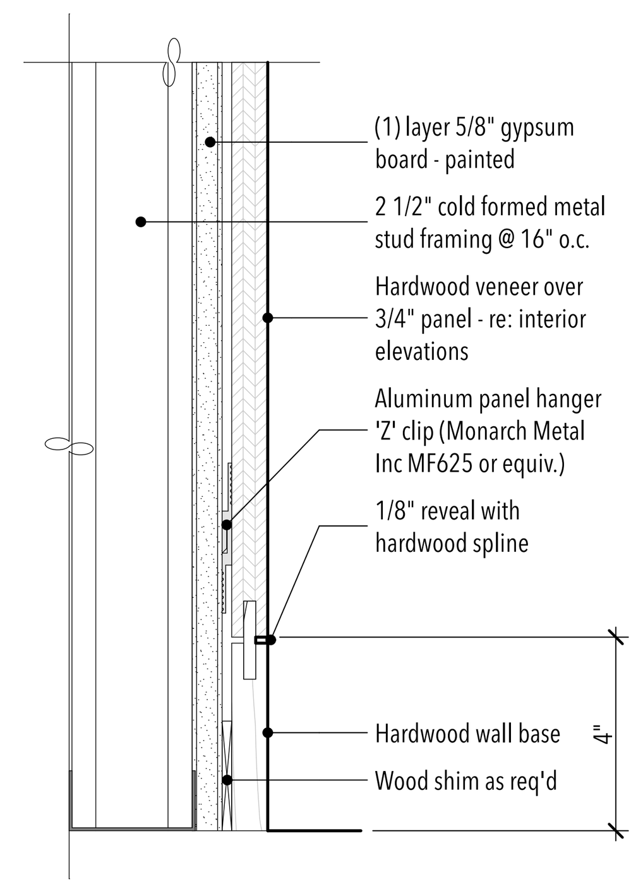
HORIZONTAL REVEAL @ WOOD VENEER WALL

01 3" = 1'-0"



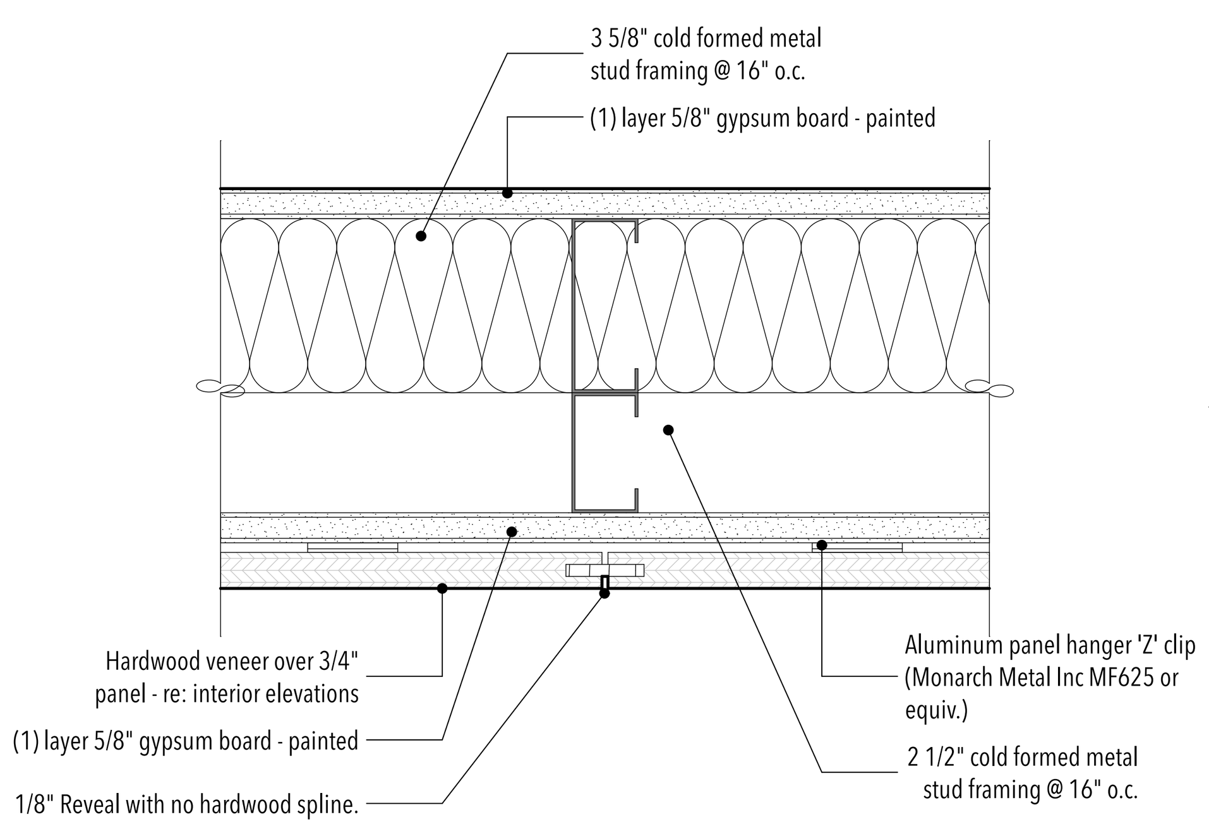
CORNER @ WOOD VENEER WALL

01 3" = 1'-0"



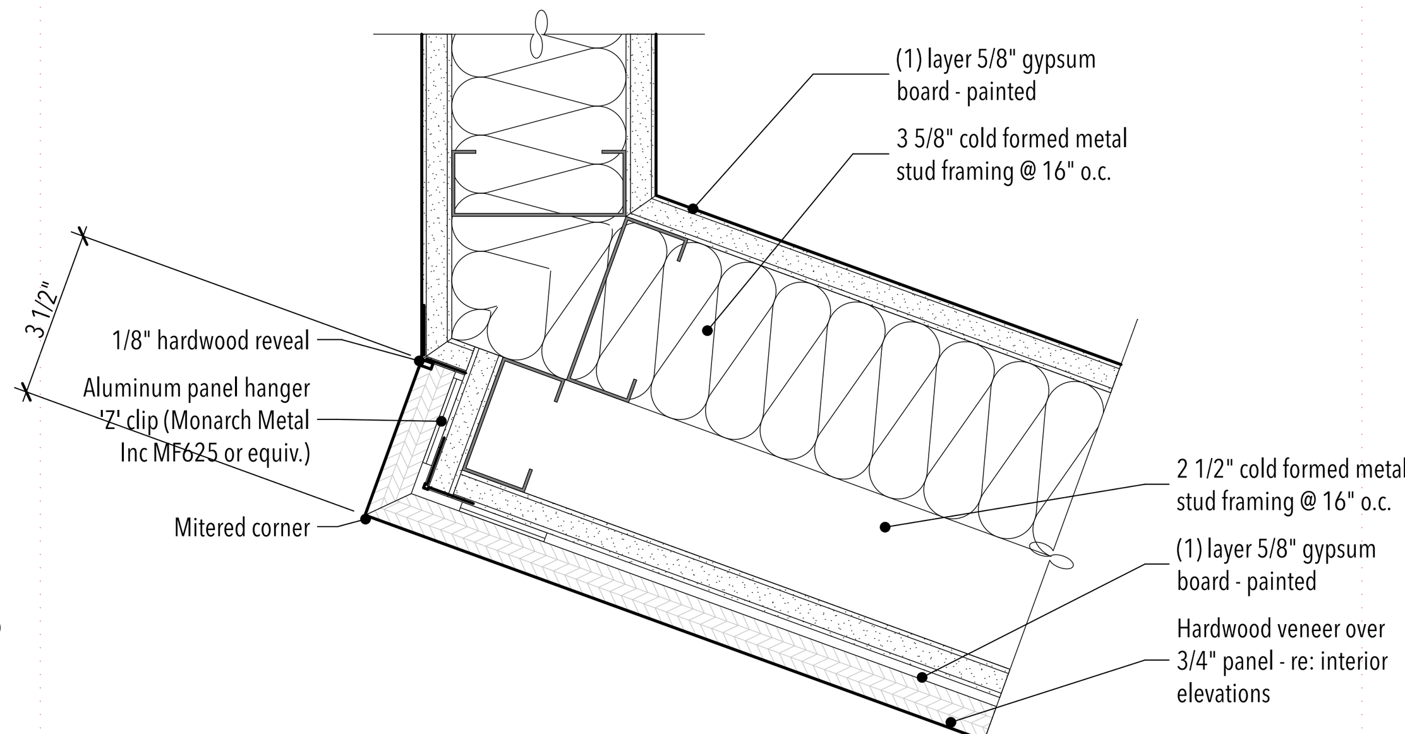
HARDWOOD BASE @ WOOD VENEER WALL

03 3" = 1'-0"



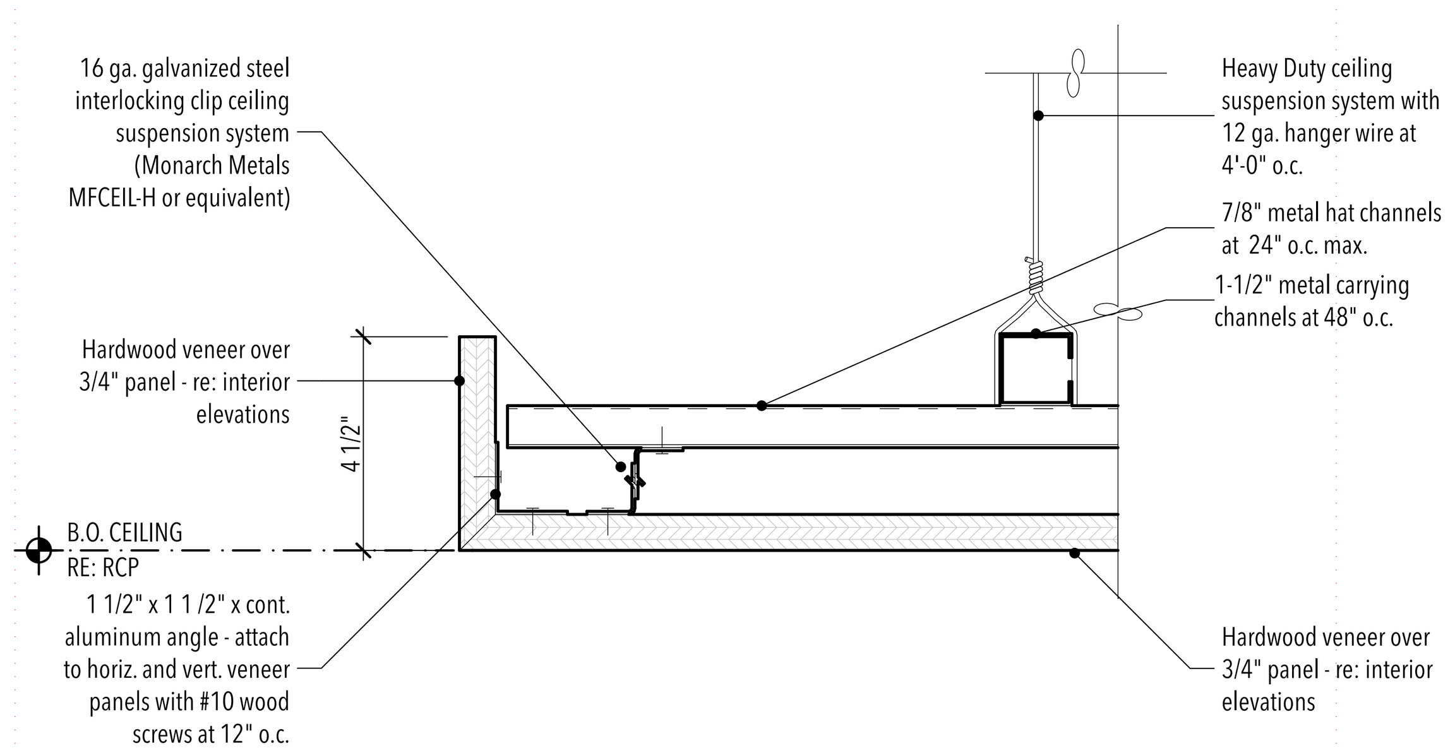
VERTICAL REVEAL @ WOOD VENEER WALL

04 3" = 1'-0"



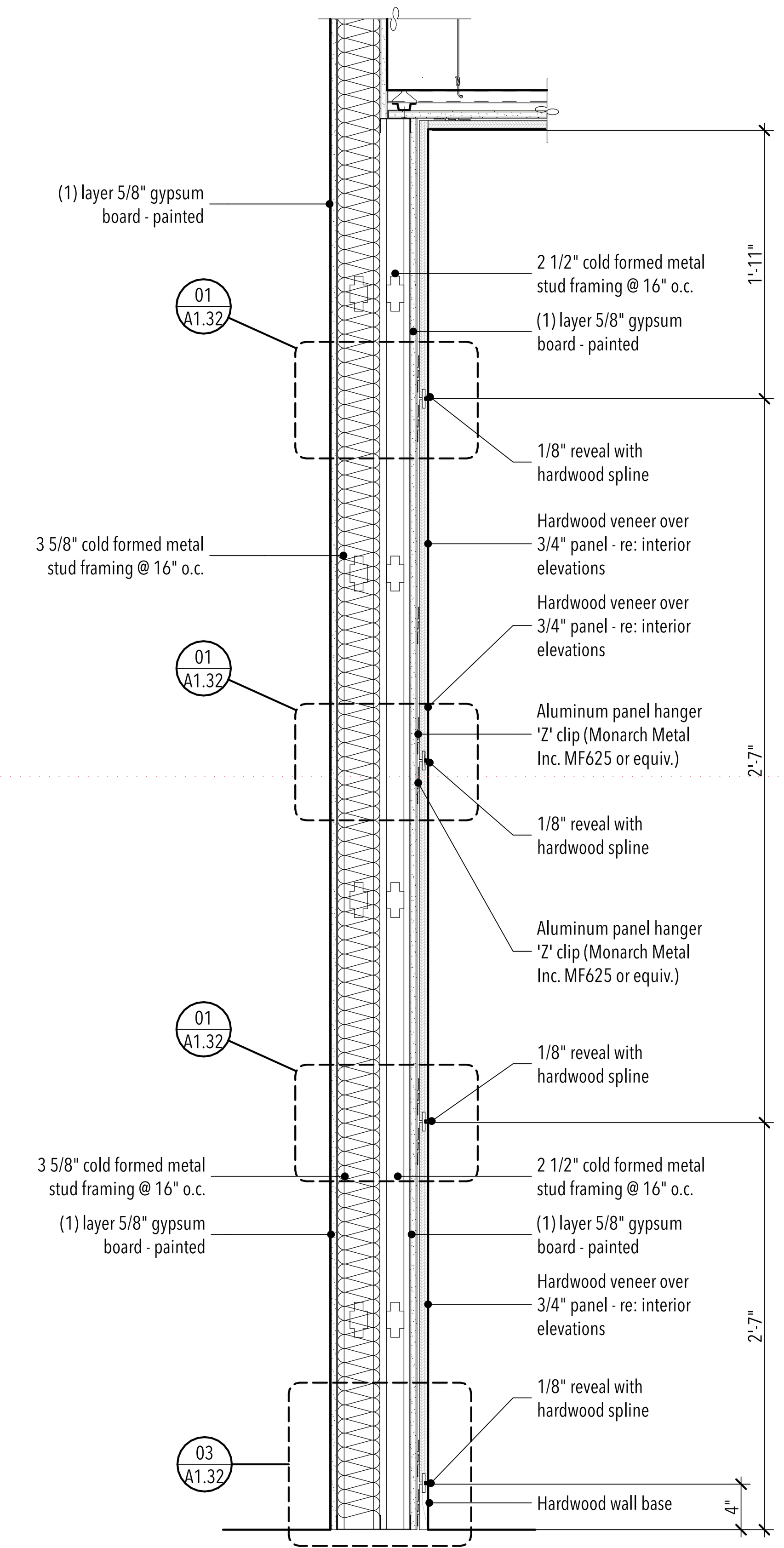
CORNER @ WOOD VENEER WALL

05 3" = 1'-0"



WOOD VENEER CEILING CLOUD DETAIL

07 3" = 1'-0"



WOOD VENEER WALL

06 1" = 1'-0"

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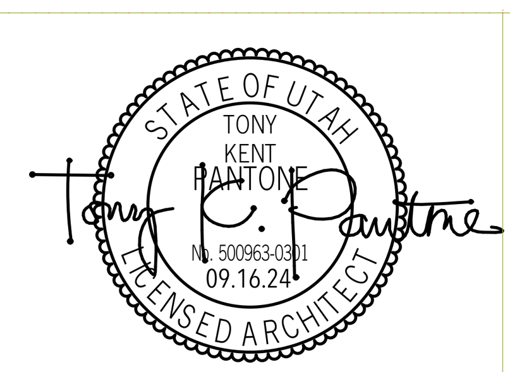
333 24TH STREET
OGDEN, UT 84401
801.394.3033



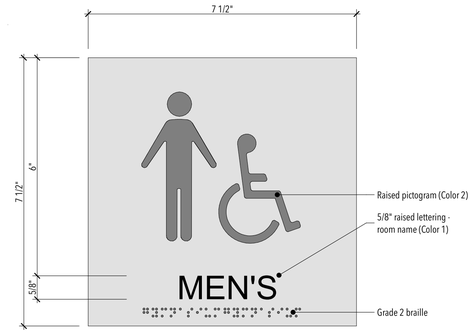
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

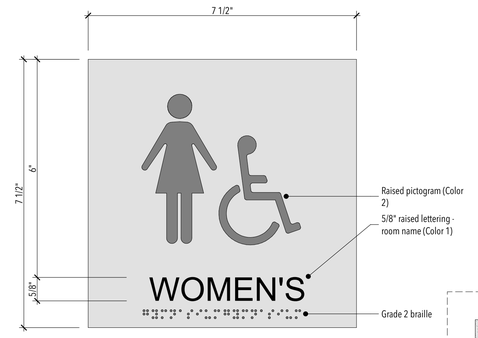
INTERIOR DETAILS

A1.32



SIGN TYPE 'A'

01 6" = 1'-0"



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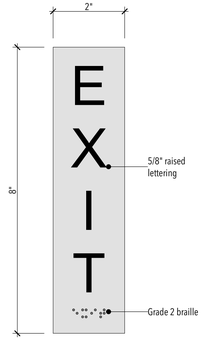

SIGN TYPE 'C'

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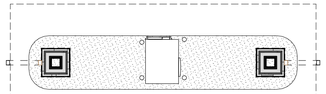
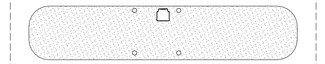
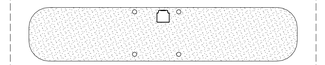
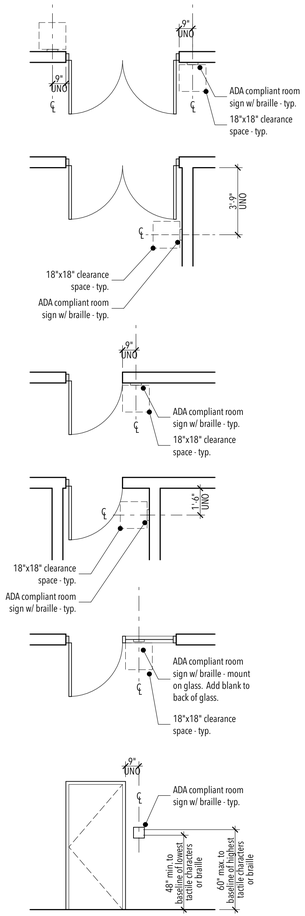






SIGNAGE PLACEMENT LEGEND:

1. Typical sign height is shown. Architect shall field verify sign locations when conflicts with devices occur.
2. Signs with tactile characters shall be permitted on the push side of doors with closers and without hold open devices.
3. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf.



GENERAL FINISH NOTES:

A. Provide epoxy paint at walls and ceilings at all toilet rooms, janitor rooms, and wet or damp areas.
B. All floor transitions to be located at center of door, unless noted otherwise.
C. All grout joints to be no larger than 1/8".
D. Field verify all dimensions before fabrication of millwork.
E. Coordinate all millwork with banking equipment before fabrication.
F. Re: interior elevation sheets for all wall tile patterns. Coordinate pattern layouts with Architect prior to cutting and placement of any and all tile.
G. All countertop, backsplashes, and edge banding to have coordinating finishes.
H. 5/8" 'Denshield' or equal tile backer board in lieu of gypsum board required behind all wall tile.
I. Contractor shall provide continuous crack isolation membrane at all floor tile locations - re: project manual.
J. Re: Finish Schedule on sheet A1.31 for all finish information.
K. Re: Finish Schedule on sheet A1.31 for location of accent wall paint W02, W03. All other walls to be painted W01.

KEYED NOTES:

08.05 Metal threshold
09.20 Metal transition edging at perimeter. Re: detail 05/A1/31
09.21 2" stone threshold. Re: detail 03/A1.31
09.22 Rubber transition strip. Re: detil 06/A1.31

FINISH PLAN LEGEND:

ID	PRODUCT	MFR.	COLOR/NOTES
FLOOR MATERIALS			
F01	Carpet tile	Tarkett	Light Shift, White Out, 24"x24"
F02	Carpet tile (accent)	Tarkett	Parallel Ray, White Out, 24"x24"
F03	Walk off carpet tile	Tarkett	Assertive Action, Chromium, 24"x24"
F04	Restroom floor tile	Crossville Studios	Feel, Grey, Mosaic Spina; Grout: Mapei, 104 Timberwolf
F05	Lobby floor tile	Crossville Studios	Feel, Grey, 24"x24", Natural; Grout: Mapei, 104 Timberwolf
F06	Lobby floor file (Accent)	Crossville Studios	Feel, Grey, 12"x24", Polished; Grout: Mapei, 104 Timberwolf
F07	LVT	Tarkett	Contour Stone, Artifice, Interlace 18"x18"
F08	Painted concrete	PPG	PPG0996-4 Cloudy Slate
BASE MATERIALS			
B01	4" coved rubber base	Johnsonite/Tarkett	4" Traditional Duracove Rubber, 199 Dockside WG
B02	No base	-	Provide cove trim in lieu of base. Re: detail 07/A1.31.
WALL MATERIALS			
W01	Primed & painted wall surface	PPG	PPG0996-1 Shining Scale; Satin
W02	Primed & painted wall surface (Accent)	PPG	PPG0996-4 Cloudy Slate; Satin
W03	Primed & painted wall surface (Accent)	PPG	PPG0996-6 Slate Mine; Satin
W04	Primed & painted wall surface (Epoxy)	PPG	PPG0996-1 Shining Scale
W05	Wall tile	Crossville Studios	Feel, Grey, 12"x24"; Grout: Mapei; 104 Timberwolf
W06	Wall tile (Accent)	Crossville Studios	Feel, Grey Stripes, 12"x24"; Grout: Mapei; 104 Timberwolf
W07	Hardwood veneer wall panels	-	Stain: Match Door Finish - (Oshkosh Color: SWMAP, Finish: Clear Finish – 500)
W08	Wall tile	Crossville	Swatches, Necessary Objects, Cotton, Satin, 6"x6", NEC01.10606S; Grout: Mapei, 104 Timberwolf
CEILING MATERIALS			
C01	Suspended 2'x2' acoustical lay-in tile ceiling	Armstrong	Cortega, White, 2'x2'
C02	Suspended 5/8" gypsum board ceiling system (1 layer)	PPG	Smooth texture; Paint color: PPG0996-1 Shining Scale; Flat (epoxy paint in wet areas)
C03	5/8" gypsum board ceiling (1 layer) installed over framing	PPG	Smooth texture; Paint color: PPG0996-1 Shining Scale; Flat
C04	Exposed structure	-	-
C05	Suspended hardwood veneer ceiling panel system	-	Stain: Match Door Finish - (Oshkosh Color: SWMAP, Finish: Clear Finish - 500)
MILLWORK FINISHES			
M01	Solid surface	Formica	742 Blanco Terrazzo
M02	Solid surface	Formica	412 Dalmata Terrazzo Matrix
M03	Stainless steel base	Alpolic	18 gauge, brushed finish
M04	Plastic laminate	Formica	86992-58 Hard Rock Maple
M05	Plastic laminate	Formica	6994-26 Ceruse Gray Walnut
M06	Rubber base	Johnsonite/Tarkett	199 Dockside WG
SPECIALTIES			
S01	Electric water cooler with stainless steel backsplash	-	Re: electrical
S02	Semi-recessed fire extinguisher cabinet	-	Re: detail 01/A1.31
S03	Hollow metal frame	PPG	Paint frame; PPG0996-4 Cloudy Slate; Semi-Gloss
S04	Electrical panels/equipment	-	Re: electrical
S05	Millwork	-	-
S06	3/4" plywood phone board - see floor plan	-	Paint to match walls
S07	Adjustable shelving - 3 shelves	-	Re: detail 08/A1.31
S09	Wall-mount fire extinguisher	-	-
S10	Door Stain	Oshkosh Door Company	Color: SWMAP, Finish: Clear Finish - 500

SIGNAGE SCHEDULE

SIGN NO.	LEVEL	ROOM NAME	TYPE	SIGN TEXT	DETAIL REFERENCE	REMARKS	FONT SIZE
100	1ST LEVEL F.F.	HALLWAY	A	MEN	01/A1.41		Re: detail
101	1ST LEVEL F.F.	HALLWAY	B	WOMEN	02/A1.41		Re: detail
102	1ST LEVEL F.F.	LOBBY	C	EXIT	03/A1.41		Re: detail
103	1ST LEVEL F.F.	HALLWAY	C	EXIT	03/A1.41		Re: detail

FINISH PLAN SYMBOLS:

PT01 : Single finish symbols indicate where finishes are different from general room finishes, or provide additional finish information.

: Change in floor material

100 : Signage label

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH · TONY KENT PAINTONE · No. 500963-0202 · 09.16.24 · LICENSED ARCHITECT

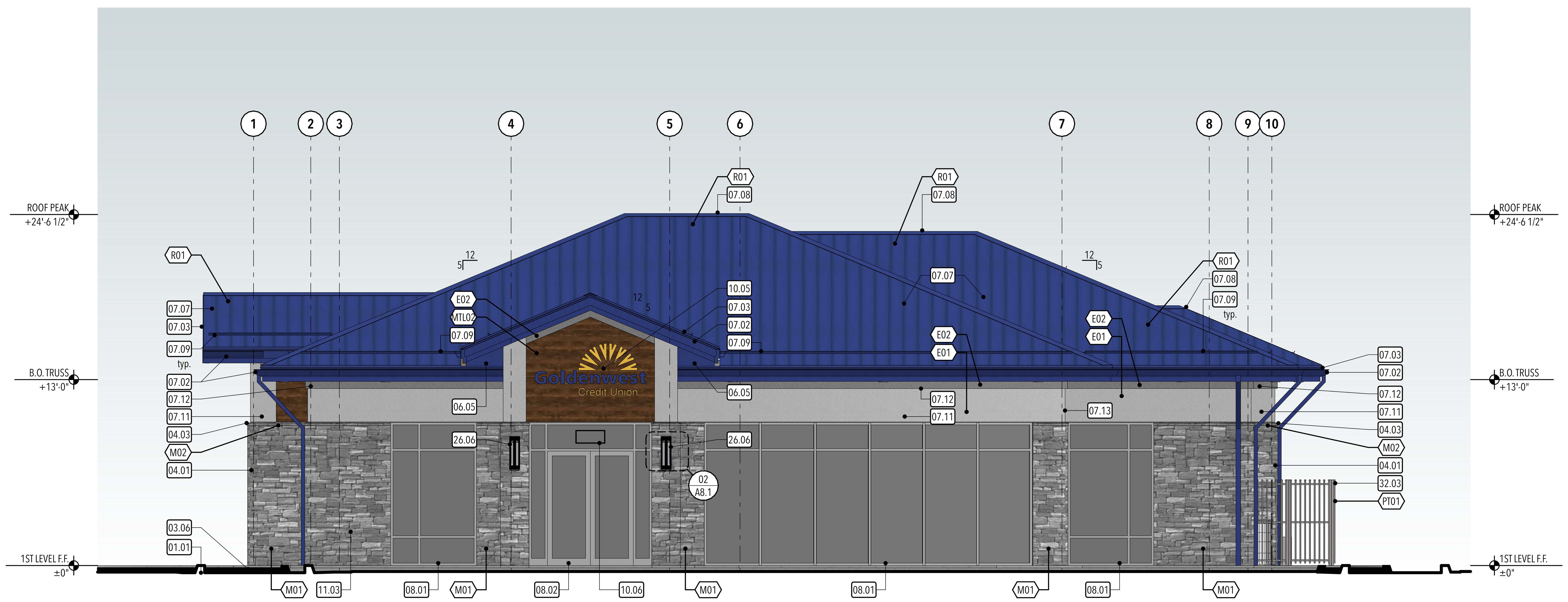
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 3/16" = 1'-0", 6" = 1'-0", 1/4" = 1'-0", 1' = 1'-0"

1ST LEVEL FINISH & SIGNAGE PLAN

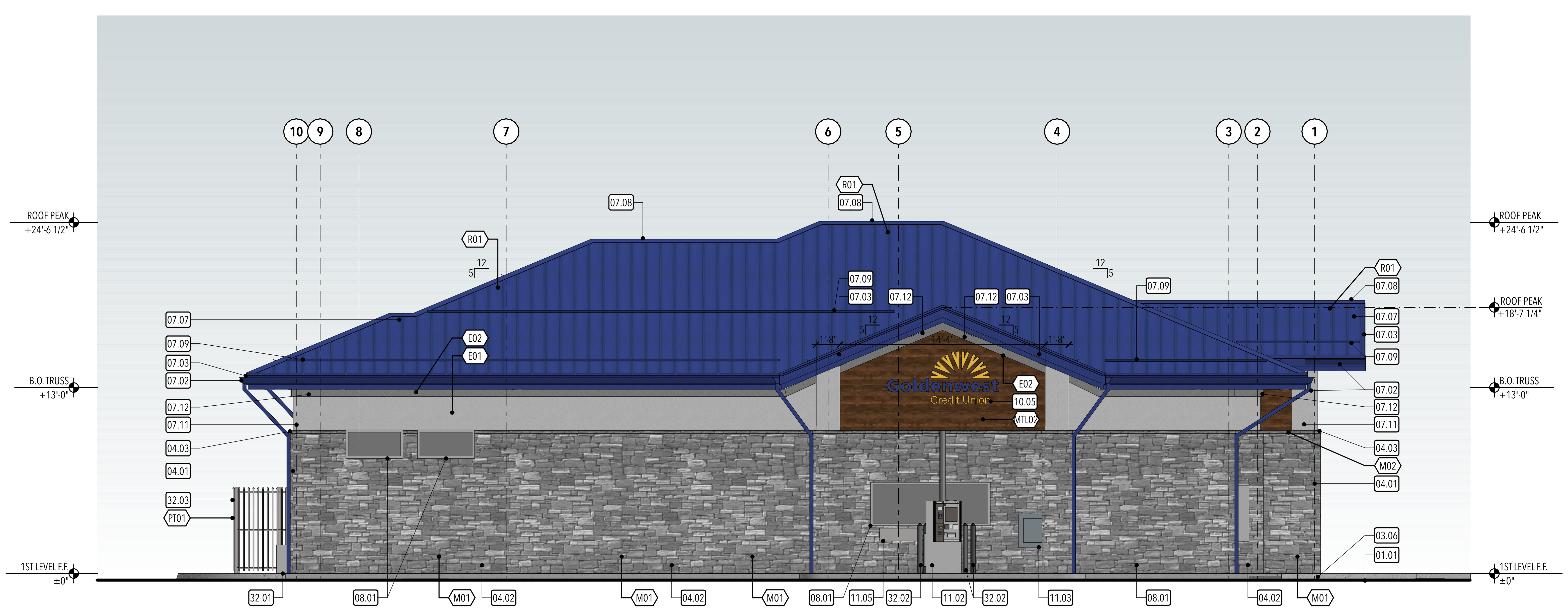
A1.41



SOUTH ELEVATION

A

3/16" = 1'-0"



NORTH ELEVATION

B

3/16" = 1'-0"

STUDIO 333

GENERAL EXTERIOR ELEVATION NOTES:

A. Re: Exterior Materials Legend for exterior materials and finishes.
B. Contractor shall leave a 3/4" gap between all dissimilar materials - typ. Gap shall be filled with backer rod and sealant. Coordinate sealant color with Architect.
C. All exposed exterior steel shall be painted (i.e. lintels, columns, beams, etc.).
D. Contractor shall paint all vent pipes, exhaust fans, and other roof top equipment and penetrations that are visible from the ground plane.
E. Re: electrical drawings for exterior power supply locations, lighting, horn strobes, card readers, etc. Contractor shall paint all electrical panels and other electrical equipment - coordinate paint color with Architect.
F. Re: plumbing drawings for downspout nozzle, hose bib and FDC connection locations.

GENERAL EXTERIOR ENVELOPE NOTES:

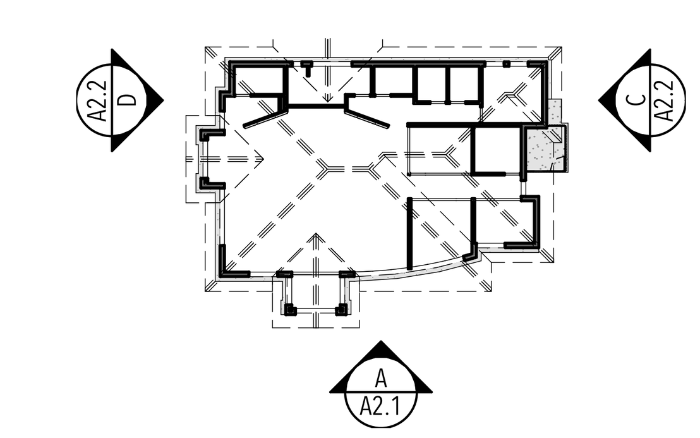
A. Pre-Construction Conference: Prior to the start of submittals, an Envelope Pre-Construction Conference is to be conducted to review installation methods and material compatability with all associated envelope contractors.
B. Provide ICC-ES evaluation reports for all material installations.
C. Provide a letter of material compatibility to other envelope system materials.
D. The installed air barrier on the building is required to be continuous. Seal all penetrations, joints and flashings as required by material manufacturer's instructions.
E. Contractor is responsible for all envelope work regardless of the location of the information in the construction documents.
F. Install sealant at exterior side of all joints, seams, connections or openings which would allow water or air infiltration except as noted otherwise. Sealant color shall match adjacent surfaces. Color shall be approved by Architect.
G. The Contractor is responsible for producing a weather-tight building, details and omissions to drawings notwithstanding. All drawing conflicts which may not allow a weather-tight condition shall be brought to the attention of the Architect.
H. The drawings and specifications do not necessarily indicate or describe all work required for the full performance and completion of the work. It is intended that the work shall be of sound and quality construction and the Contractor shall be solely responsible for the inclusion of adequate amounts to cover installation of all items indicated, described or reasonably implied.

EXTERIOR MATERIALS LEGEND:

ID	MATERIAL	MANUFACTURER	COLOR/NOTES
ROOFING			
R01	Standing Seam Metal Roofing	MBCI	Signature 200, Cobalt Blue. Drip, facia, gutters & downspouts to match.
CONCRETE			
C01	Precast Concrete Cap	Re: Specifications	Re: Specifications
MASONRY			
M01	Cultured Stone Veneer	Harristone	Uintah Drystack Ledgestone; Slate Lueders; Grouted
M02	Cultured Stone Sill	Harristone	Match Cultured Stone Veneer (M01)
METAL			
MTL01	Soffit	MBCI or Firestone	Signature 200, Solar White. Una-Clad, Bone White.
MTL02	6" wide extruded aluminum V-Groove panelized soffit system	Longboard	Light National Walnut (LNW)
EIFS			
E01	Exterior Insulation Finish System	Dryvit	Twilight Gray
E02	Exterior Insulation Finish System	Dryvit	Pewter
PAINT			
PT01	Painted steel	PPG	Cloudy Slate

KEYED NOTES:

01.01 Finish grade - re: Civil
03.06 Plaster finish over exposed concrete foundation wall, natural grey (typical)
04.01 Cultured stone veneer - re: Exterior Materials Legend
04.02 Cultured stone veneer column - re: Exterior Materials Legend
04.03 Cultured stone sill. "Uintah Dry Stack Ledgestone" by Harristone - re: Exterior Materials Legend
06.05 Vertical framing between roof and soffit with exterior sheathing and pre-finish metal to match roofing
07.02 Pre-finished rain gutter and downspout, see floor and roof plans. Color to match standing seam roof - re: Exterior Materials Legend
07.03 Pre-finished metal fascia. Color to match standing seam roof - re: Exterior Materials Legend
07.07 Standing seam metal roof - re: Exterior Materials Legend
07.08 Ridge and hip caps. Ridge caps to be manufacturer's vented cap. Color to match standing metal seam roof - re: Exterior Materials Legend. See structural for ventilation slots to be cut in sheathing at ridge
07.09 Snow bars to match roofing color - re: Exterior Materials Legend. Attach at each standing seam
07.11 E.I.F.S. Color #1 - re: Exterior Materials Legend
07.12 E.I.F.S. build-out trim. Color #2 - re: Exterior Materials Legend
07.13 Control joint in E.I.F.S. (typical)
08.01 Pre-finished aluminum storefront system
08.02 Pre-finished aluminum storefront door system
10.05 Credit Union's signage to be provided by Owner
10.06 Building address signage to be provided by owner. Verify location with Owner and local jurisdiction authority
11.02 ATM unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit – re: 06/SD2.1
11.03 Drop box by Diebold. Coordinate for required wall opening and installation with banking equipment supplier. Contractor to provide conduits to unit and painted wood trim at wall as required.
11.05 Transaction drawer by Diebold. Coordinate installation with banking equipment supplier
26.06 Exterior wall mounted light fixture. Build out behind flush to stone face
32.01 6" diameter pipe bollard, locate 1" beyond face of wall, into curb - re: 04/SD1.1 (painted)
32.02 4" diameter pipe bollard - re: 04/SD2.1 (painted)
32.03 Pre-finished metal fence with 3'-0" gate, powder coat color to be determined by Architect, re: 01, 02, 03/SD1.1



STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH
TONY KENT PANTONE
No. 500963-0301
09.16.24
LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

EXTERIOR ELEVATIONS

A2.1

STUDIO 333

EAST ELEVATION
C
3/16" = 1'-0"

WEST ELEVATION
D
3/16" = 1'-0"

GENERAL EXTERIOR ELEVATION NOTES:

A. Re: Exterior Materials Legend for exterior materials and finishes.
B. Contractor shall leave a 3/4" gap between all dissimilar materials - typ. Gap shall be filled with backer rod and sealant. Coordinate sealant color with Architect.
C. All exposed exterior steel shall be painted (i.e. lintels, columns, beams, etc.).
D. Contractor shall paint all vent pipes, exhaust fans, and other roof top equipment and penetrations that are visible from the ground plane.
E. Re: electrical drawings for exterior power supply locations, lighting, horn strobes, card readers, etc. Contractor shall paint all electrical panels and other electrical equipment - coordinate paint color with Architect.
F. Re: plumbing drawings for downspout nozzle, hose bib and FDC connection locations.

GENERAL EXTERIOR ENVELOPE NOTES:

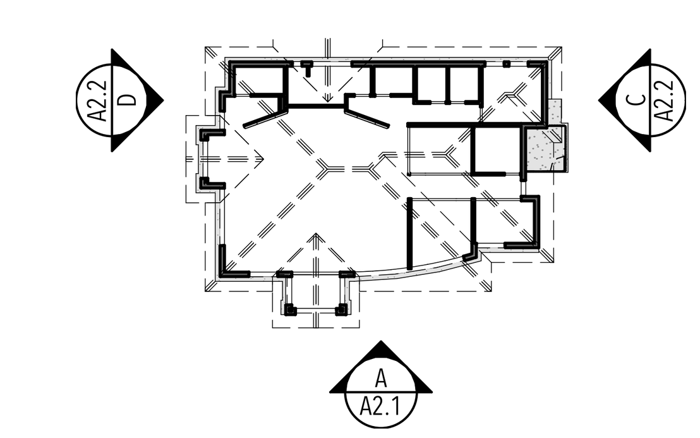
A. Pre-Construction Conference: Prior to the start of submittals, an Envelope Pre-Construction Conference is to be conducted to review installation methods and material compatability with all associated envelope contractors.
B. Provide ICC-ES evaluation reports for all material installations.
C. Provide a letter of material compatibility to other envelope system materials.
D. The installed air barrier on the building is required to be continuous. Seal all penetrations, joints and flashings as required by material manufacturer's instructions.
E. Contractor is responsible for all envelope work regardless of the location of the information in the construction documents.
F. Install sealant at exterior side of all joints, seams, connections or openings which would allow water or air infiltration except as noted otherwise. Sealant color shall match adjacent surfaces. Color shall be approved by Architect.
G. The Contractor is responsible for producing a weather-tight building, details and omissions to drawings notwithstanding. All drawing conflicts which may not allow a weather-tight condition shall be brought to the attention of the Architect.
H. The drawings and specifications do not necessarily indicate or describe all work required for the full performance and completion of the work. It is intended that the work shall be of sound and quality construction and the Contractor shall be solely responsible for the inclusion of adequate amounts to cover installation of all items indicated, described or reasonably implied.

EXTERIOR MATERIALS LEGEND:

ID	MATERIAL	MANUFACTURER	COLOR/NOTES
ROOFING			
R01	Standing Seam Metal Roofing	MBCI	Signature 200, Cobalt Blue. Drip, facia, gutters & downspouts to match.
CONCRETE			
C01	Precast Concrete Cap	Re: Specifications	Re: Specifications
MASONRY			
M01	Cultured Stone Veneer	Harristone	Uintah Drystack Ledgestone; Slate Lueders; Grouted
M02	Cultured Stone Sill	Harristone	Match Cultured Stone Veneer (M01)
METAL			
MTL01	Soffit	MBCI or Firestone	Signature 200, Solar White. Una-Clad, Bone White.
MTL02	6" wide extruded aluminum V-Groove panelized soffit system	Longboard	Light National Walnut (LNW)
EIFS			
E01	Exterior Insulation Finish System	Dryvit	Twilight Gray
E02	Exterior Insulation Finish System	Dryvit	Pewter
PAINT			
PT01	Painted steel	PPG	Cloudy Slate

KEYED NOTES:

01.01 Finish grade - re: Civil
03.04 4" thick concrete mechanical equipment pad on 4" base - re: Civil
03.06 Plaster finish over exposed concrete foundation wall, natural grey (typical)
04.01 Cultured stone veneer - re: Exterior Materials Legend
04.03 Cultured stone sill. "Uintah Dry Stack Ledgestone" by Harristone - re: Exterior Materials Legend
07.02 Pre-finished rain gutter and downspout, see floor and roof plans. Color to match standing seam roof - re: Exterior Materials Legend
07.03 Pre-finished metal fascia. Color to match standing seam roof - re: Exterior Materials Legend
07.07 Standing seam metal roof - re: Exterior Materials Legend
07.08 Ridge and hip caps. Ridge caps to be manufacturer's vented cap. Color to match standing metal seam roof - re: Exterior Materials Legend. See structural for ventilation slots to be cut in sheathing at ridge
07.09 Snow bars to match roofing color - re: Exterior Materials Legend. Attach at each standing seam
07.11 E.I.F.S. Color #1 - re: Exterior Materials Legend
07.12 E.I.F.S. build-out trim. Color #2 - re: Exterior Materials Legend
07.13 Control joint in E.I.F.S. (typical)
07.25 6" wide horizontal extruded aluminum V-Groove panelized siding system. Install as per manufacturer's recommendations. Provide J-track, corner trims, etc. as requried for a complete system installation.
08.01 Pre-finished aluminum storefront system
08.02 Pre-finished aluminum storefront door system
10.05 Credit Union's signage to be provided by Owner
11.01 Pneumatic teller VAT unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit and power in drive-thru canopy for blower unit – re: 07/SD2.1
11.02 ATM unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit – re: 06/SD2.1
22.06 Gas meter - re: Plumbing. Provide 4" thick pad beneath
26.06 Exterior wall mounted light fixture. Build out behind flush to stone face
26.07 Red and green lane light locations centered in lane, re: Electrical
26.08 Electrical CT can, disconnect and meter
32.01 6" diameter pipe bollard, locate 1" beyond face of wall, into curb - re: 04/SD1.1 (painted)
32.02 4" diameter pipe bollard - re: 04/SD2.1 (painted)
32.03 Pre-finished metal fence with 3'-0" gate, powder coat color to be determined by Architect, re: 01, 02, 03/SD1.1



STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

STATE OF UTAH
TONY KENT PANTONE
09.16.24
LICENSED ARCHITECT

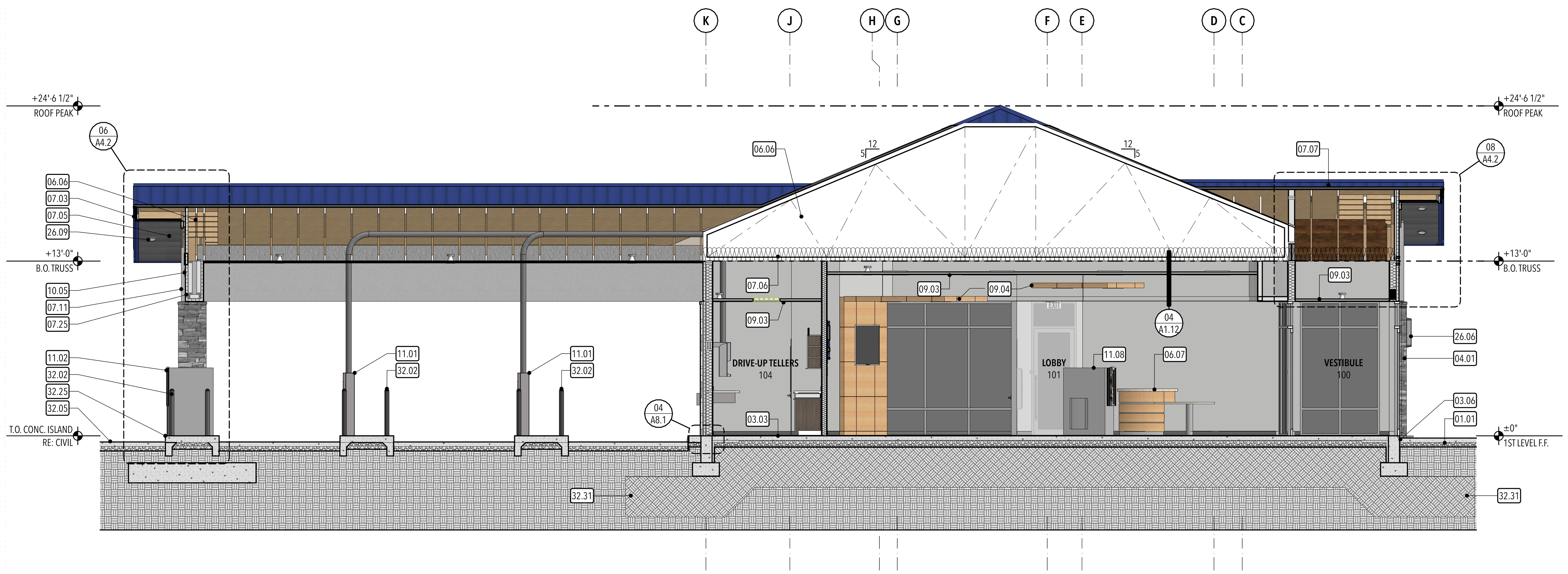
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

EXTERIOR ELEVATIONS A2.2

STUDIO 333

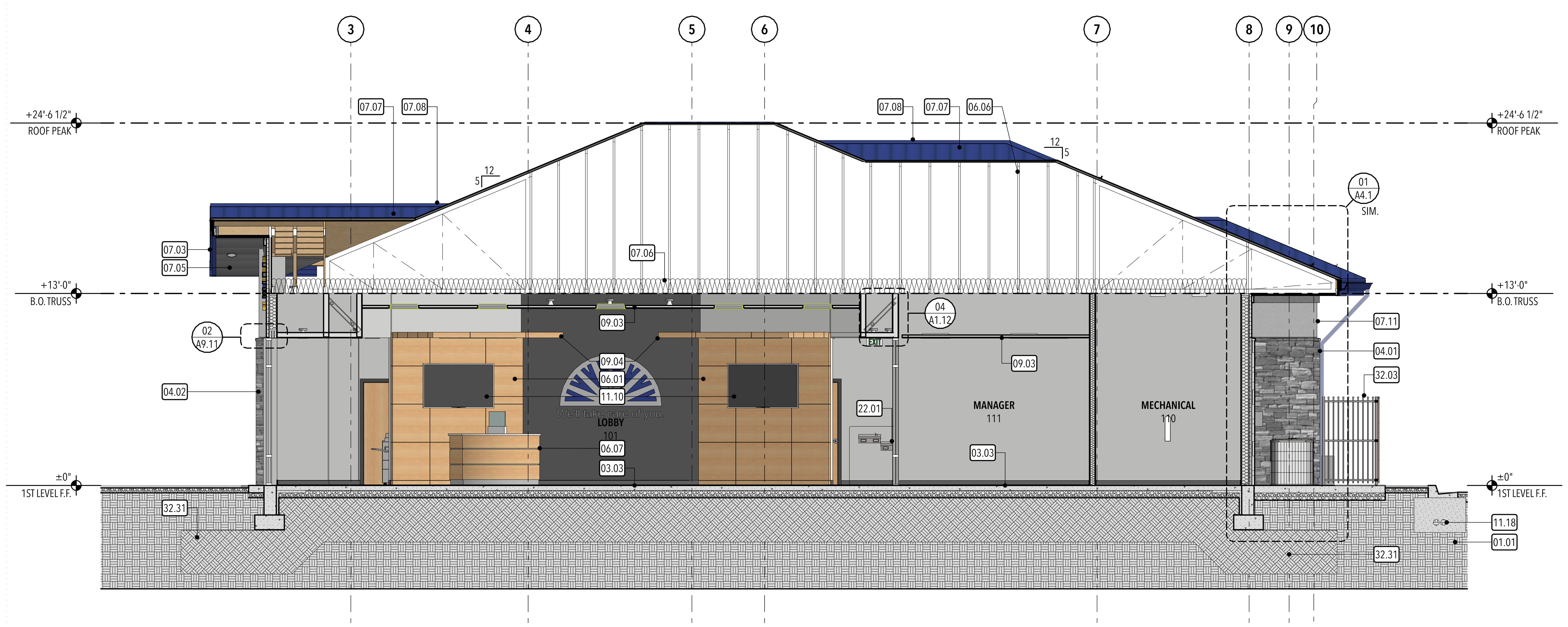


BUILDING SECTION 01

01 3/16" = 1'-0"

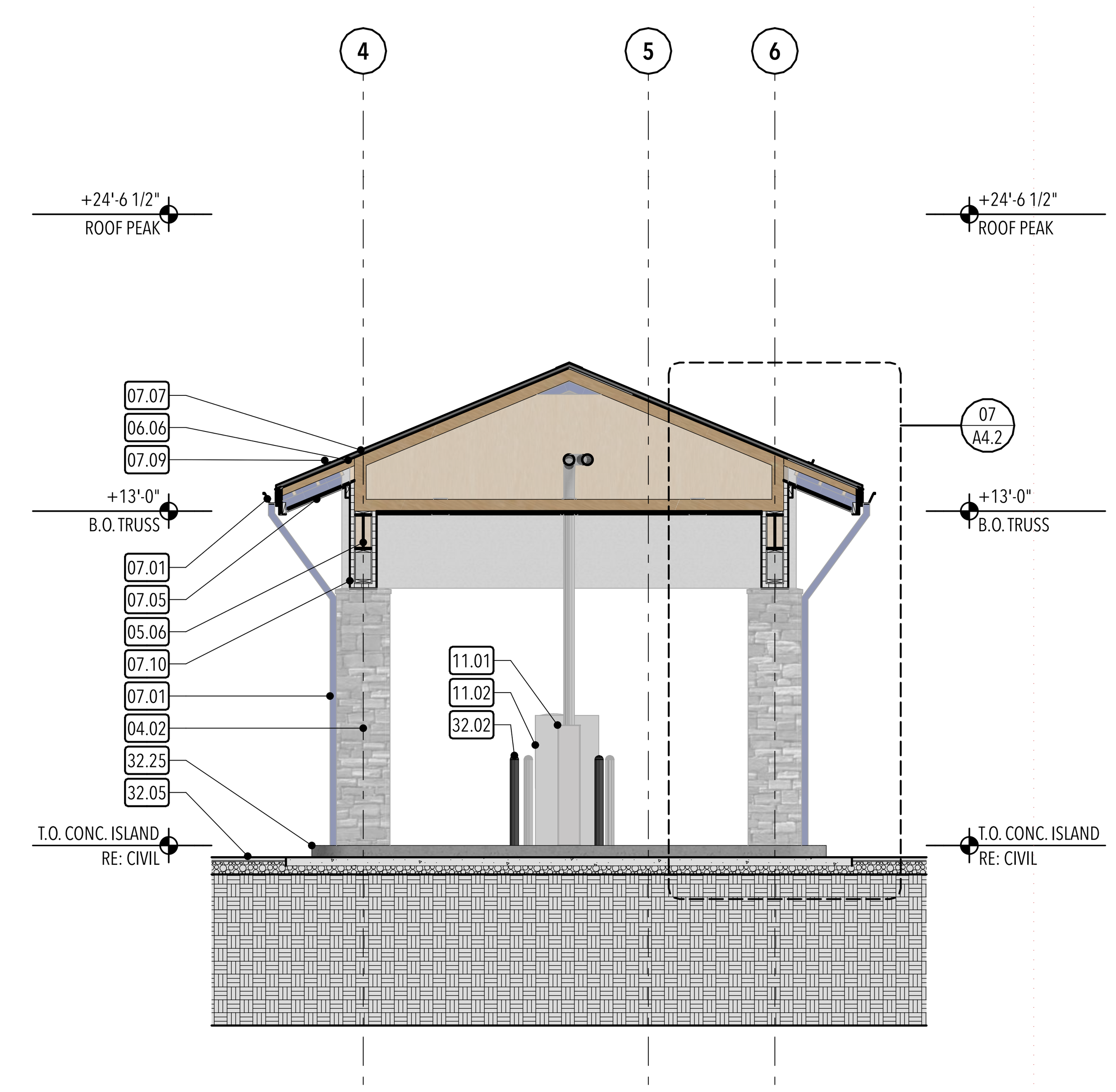
KEYED NOTES:

01.01	Finish grade - re: Civil
03.03	4" concrete floor slab over 6" gravel and vapor barrier
03.06	Plaster finish over exposed concrete foundation wall, natural grey (typical)
04.01	Cultured stone veneer - re: Exterior Materials Legend
04.02	Cultured stone veneer column - re: Exterior Materials Legend
05.06	Steel beam - re: structural
06.01	3/4" hardwood veneer panel system - finish to match doors
06.06	Pre-manufactured roof truss - re: structural
06.07	Millwork - re: enlarged plan and details
07.01	Rain gutter downspout location. Coordinate with installation of perimeter drain system. Run tight against foundation and connect at finish grade. Color to match metal standing seam roof - re: Exterior Materials Legend
07.03	Pre-finished metal fascia. Color to match standing seam roof - re: Exterior Materials Legend
07.05	Pre-finished flush panel metal soffit - re: Exterior Materials Legend
07.06	Faced batt insulation. Support with wire or cord
07.07	Standing seam metal roof - re: Exterior Materials Legend
07.08	Ridge and hip caps. Ridge caps to be manufacturer's vented cap. Color to match standing metal seam roof - re: Exterior Materials Legend. See structural for ventilation slots to be cut in sheathing at ridge
07.09	Snow bars to match roofing color - re: Exterior Materials Legend. Attach at each standing seam
07.10	2" E.I.F.S. - re: Exterior Materials Legend
07.11	E.I.F.S. Color #1 - re: Exterior Materials Legend
09.03	Suspended ceiling system as scheduled
09.04	Suspended cloud system with aircraft cable
10.05	Credit Union's signage to be provided by Owner
11.01	Pneumatic teller VAT unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit and power in drive-thru canopy for blower unit – re: 07/SD2.1
11.02	ATM unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit – re: 06/SD2.1
11.08	ATM by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to electrical floor box - re: A1.7
11.10	Video monitor by Owner. Provide blocking in wall for mounting bracket - re: 01/A1.2
11.18	Pneumatic tubes installed below grade shown dashed - coordinate routing and locations with Owner's Equipment Contractor - re: civil for buried tube detail
22.01	Electric water cooler, Hi/Low unit, with stainless steel surround (beyond) - re: Plumbing
26.06	Exterior wall mounted light fixture. Build out behind flush to stone face
26.09	Light fixture, re: Electrical
32.02	4" diameter pipe bollard - re: 04/SD2.1 (painted)
32.03	Pre-finished metal fence with 3'-0" gate, powder coat color to be determined by Architect, re: 01, 02, 03/SD1.1
32.05	Asphalt paving - re: civil
32.25	Concrete paving - re: civil
32.31	Structural fill - re: Geotechnical Report and structural



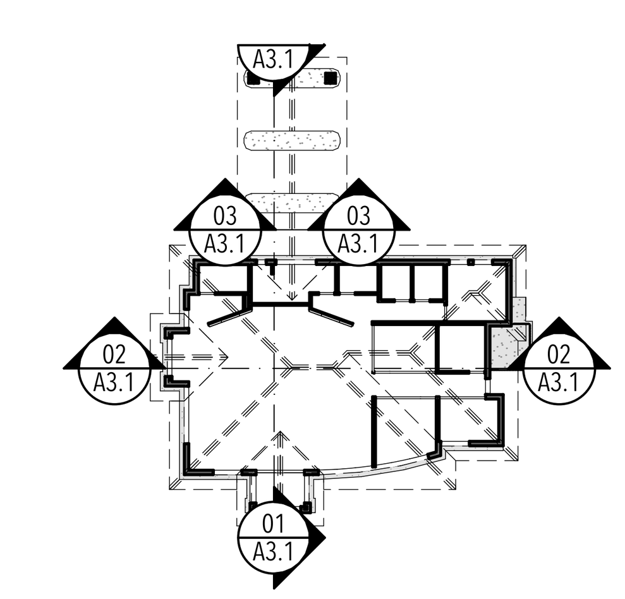
BUILDING SECTION 02

02 3/16" = 1'-0"



BUILDING SECTION 04

03 3/16" = 1'-0"



STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
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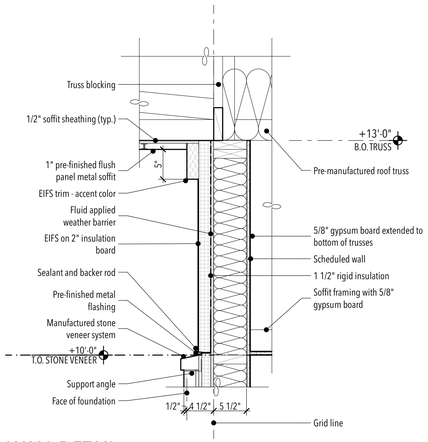
STATE OF UTAH · TONY KENT PANTONE · 09.16.24 · LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

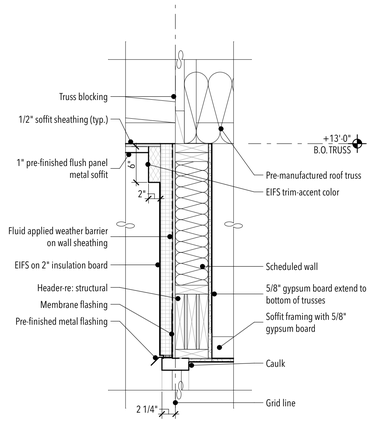
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

BUILDING SECTIONS A3.1



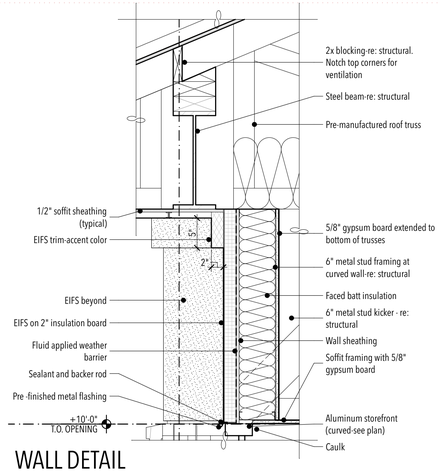
WALL DETAIL

05 1" = 1'-0"



WALL DETAIL

06 1" = 1'-0"



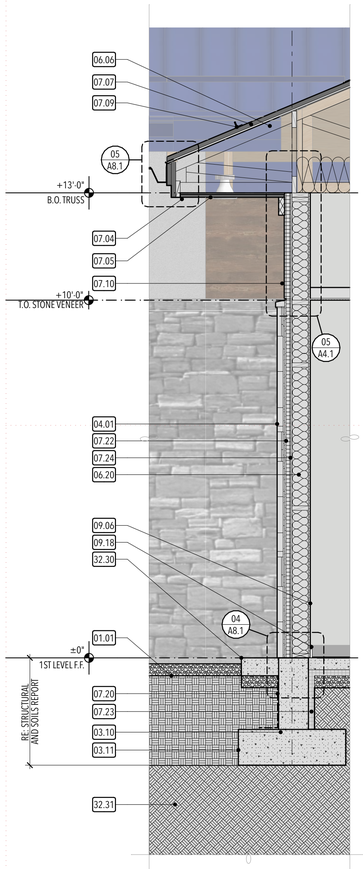
WALL DETAIL

07 1" = 1'-0"

STUDIO 333

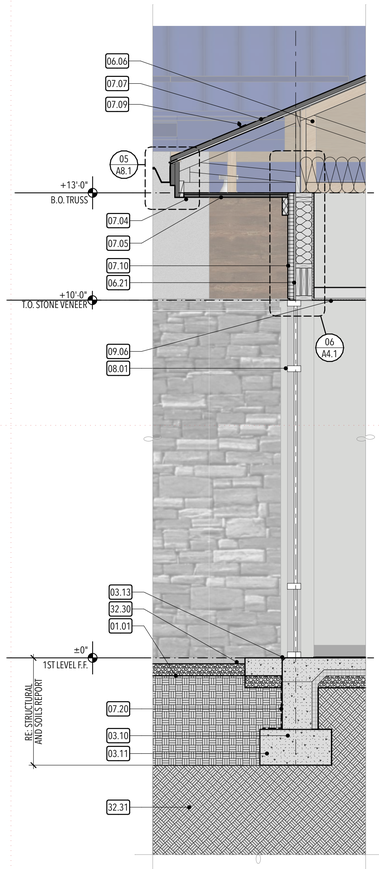
KEYED NOTES:

01.01	Finish grade - re: Civil
03.10	Concrete foundation wall - re: structural
03.11	Concrete footing - re: structural
03.13	1" chamfer edge
04.01	Cultured stone veneer - re: Exterior Materials Legend
05.06	Steel beam - re: structural
05.07	Metal stud framed partition and kicker - re: structural
06.06	Pre-manufactured roof truss - re: structural
06.20	Wood stud framed partition - re: partition types
06.21	Wood stud header - re: structural
07.04	Pre-finished continuous soffit vent -re: 06/A8.1
07.05	Pre-finished flush panel metal soffit - re: Exterior Materials Legend
07.07	Standing seam metal roof - re: Exterior Materials Legend
07.09	Snow bars to match roofing color - re: Exterior Materials Legend. Attach at each standing seam
07.10	2" E.I.F.S. - re: Exterior Materials Legend
07.20	Dampproofing on foundation wall - extend to bottom of concrete footing
07.22	1 1/2" rigid insulation - typ.
07.23	2" rigid insulation - typ.
07.24	Fluid-applied air barrier on exterior wall sheathing
08.01	Pre-finished aluminum storefront system
09.06	5/8" gypsum board, paint (epoxy paint in restrooms and custodial)
09.18	4" coved rubber base
32.30	Concrete building apron - re: civil
32.31	Structural fill - re: Geotechnical Report and structural



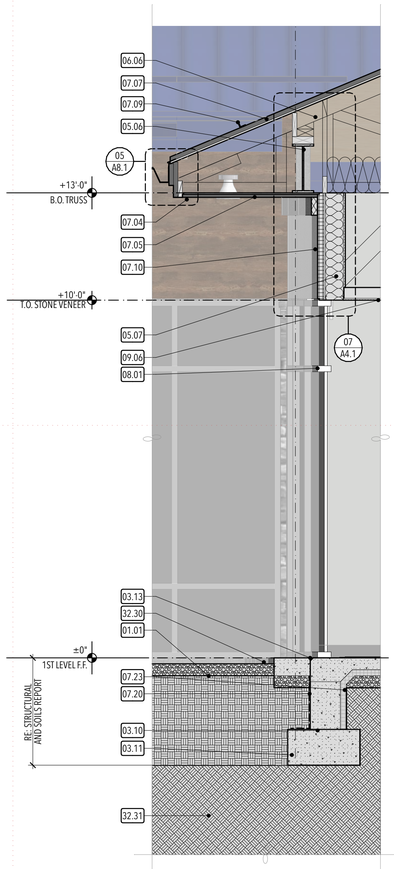
WALL SECTION 01

01 1/2" = 1'-0"



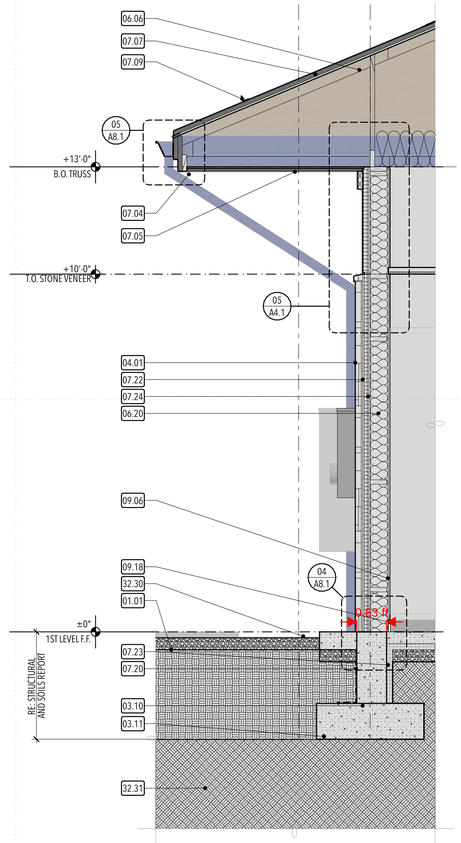
WALL SECTION 02

02 1/2" = 1'-0"



WALL SECTION 03

03 1/2" = 1'-0"



WALL SECTION 04

04 1/2" = 1'-0"

STUDIO 333 ARCHITECTS
333 24TH STREET
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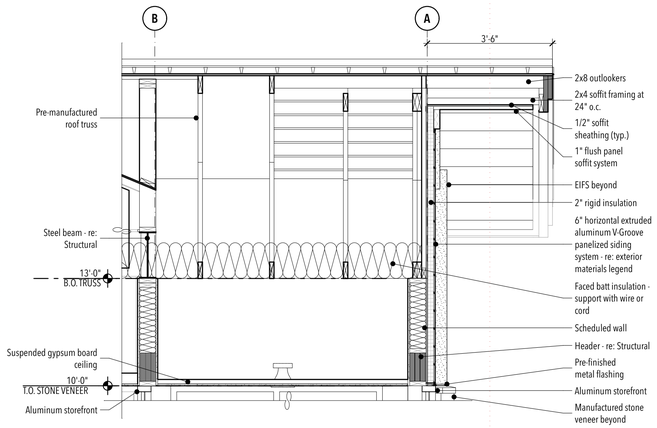
STATE OF UTAH · TONY KENT HAINTONE · No. 500963-0301 · 09.16.24 · LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

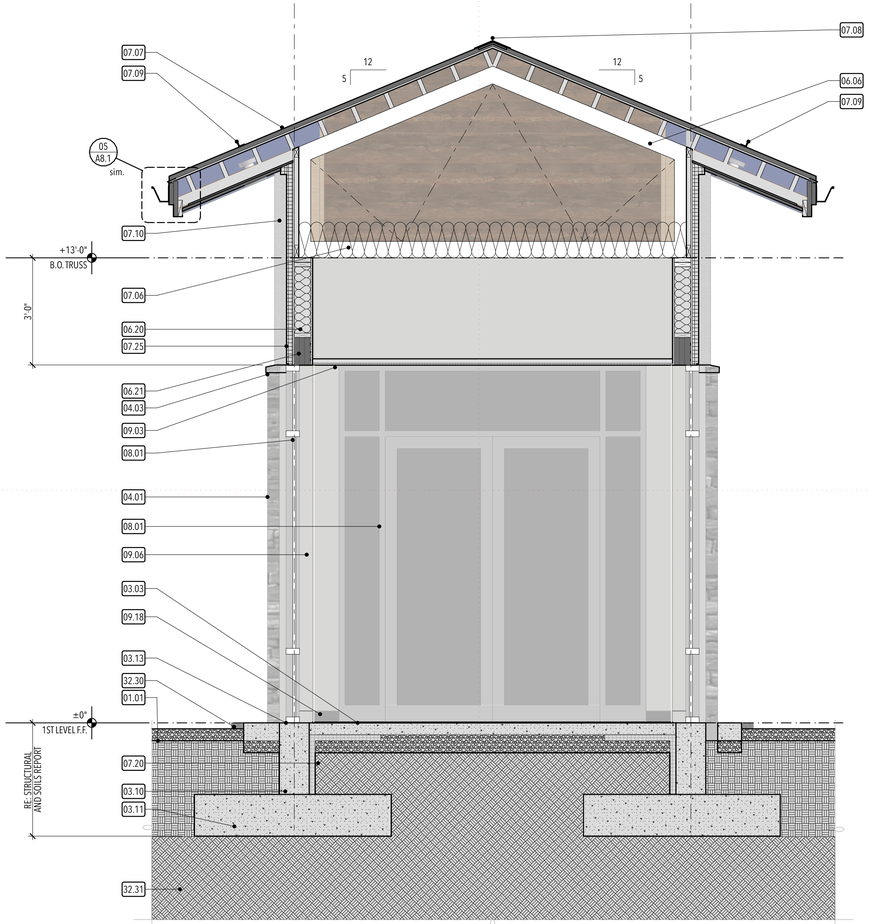
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

WALL SECTIONS A4.1



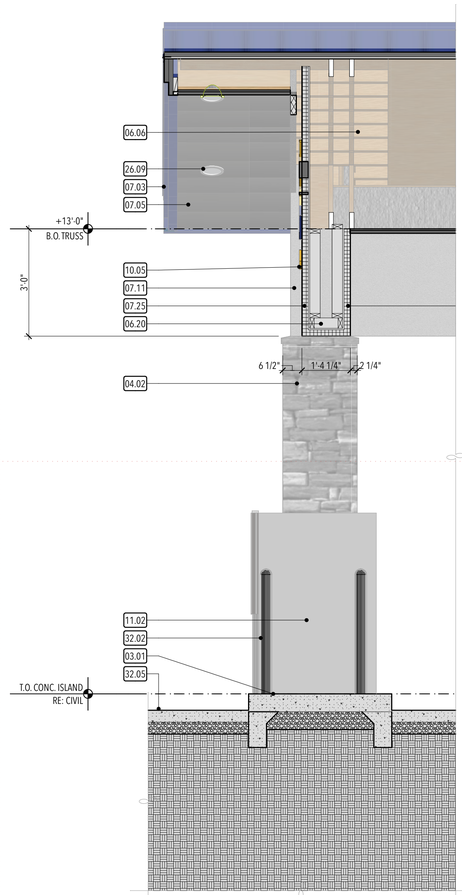
WALL DETAIL

08 1/2" = 1'-0"



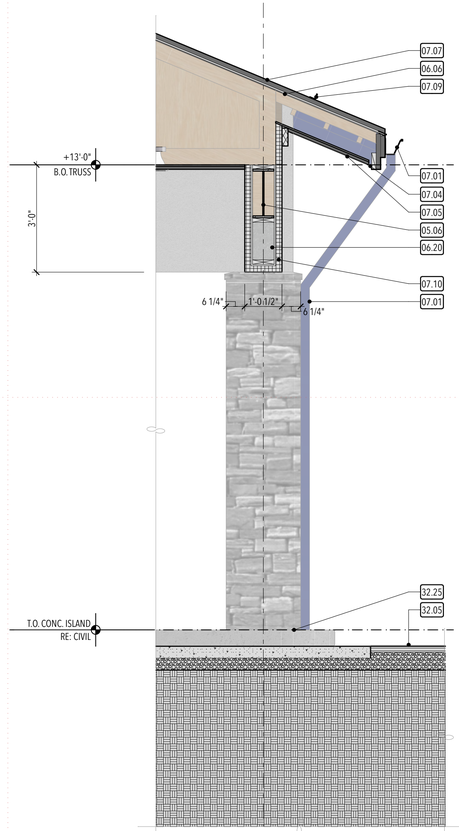
WALL SECTION 05

05 1/2" = 1'-0"



WALL SECTION 06

06 1/2" = 1'-0"



WALL SECTION 07

07 1/2" = 1'-0"

STUDIO 333

KEYED NOTES:

01.01	Finish grade - re: Civil
03.01	6" high concrete island – re: 05/SD1.1
03.03	4" concrete floor slab over 6" gravel and vapor barrier
03.10	Concrete foundation wall - re: structural
03.11	Concrete footing - re: structural
03.13	1" chamfer edge
04.01	Cultured stone veneer - re: Exterior Materials Legend
04.02	Cultured stone veneer column - re: Exterior Materials Legend
04.03	Cultured stone sill. "Uintah Dry Stack Ledgestone" by Harristone - re: Exterior Materials Legend
05.06	Steel beam - re: structural
06.06	Pre-manufactured roof truss - re: structural
06.20	Wood stud framed partition - re: partition types
06.21	Wood stud header - re: structural
07.01	Rain gutter downspout location. Coordinate with installation of perimeter drain system. Run tight against foundation and connect at finish grade. Color to match metal standing seam roof - re: Exterior Materials Legend
07.03	Pre-finished metal fascia. Color to match standing seam roof - re: Exterior Materials Legend
07.04	Pre-finished continuous soffit vent -re: 06/A8.1
07.05	Pre-finished flush panel metal soffit - re: Exterior Materials Legend
07.06	Faced batt insulation. Support with wire or cord
07.07	Standing seam metal roof - re: Exterior Materials Legend
07.08	Ridge and hip caps. Ridge caps to be manufacturer's vented cap. Color to match standing metal seam roof - re: Exterior Materials Legend. See structural for ventilation slots to be cut in sheathing at ridge
07.09	Snow bars to match roofing color - re: Exterior Materials Legend. Attach at each standing seam
07.10	2" E.I.F.S. - re: Exterior Materials Legend
07.11	E.I.F.S. Color #1 - re: Exterior Materials Legend
07.20	Damproofing on foundation wall - extend to bottom of concrete footing
08.01	Pre-finished aluminum storefront system
09.03	Suspended ceiling system as scheduled
09.06	5/8" gypsum board, paint (epoxy paint in restrooms and custodial)
09.18	4" coved rubber base
10.05	Credit Union's signage to be provided by Owner
11.02	ATM unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit – re: 06/SD2.1
26.09	Light fixture, re: Electrical
32.02	4" diameter pipe bollard - re: 04/SD2.1 (painted)
32.05	Asphalt paving - re: civil
32.25	Concrete paving - re: civil
32.30	Concrete building apron - re: civil
32.31	Structural fill - re: Geotechnical Report and structural

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

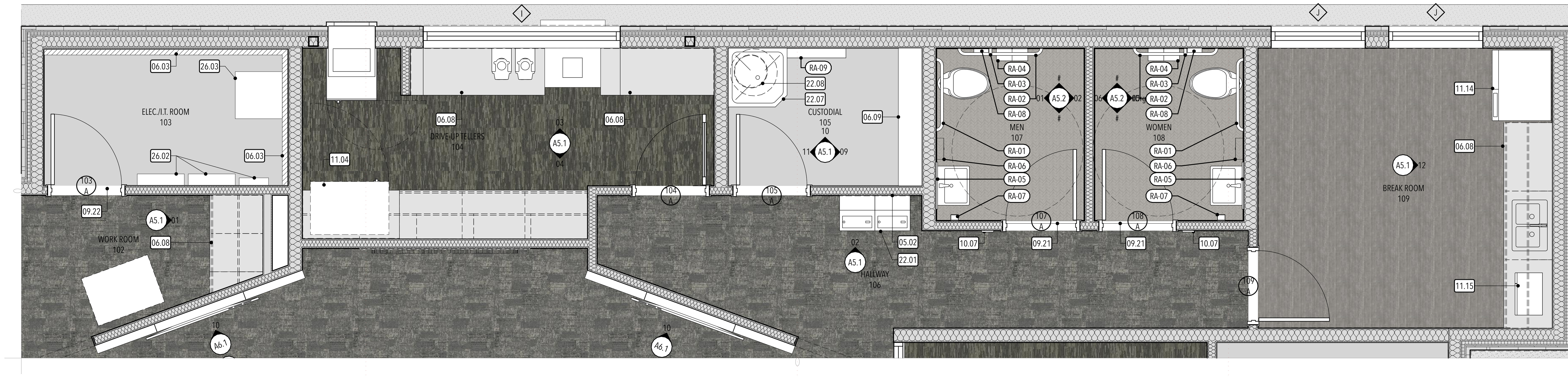
STATE OF UTAH — TONY KENT PANTONE — No. 500963-0301 — 09.16.24 — LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

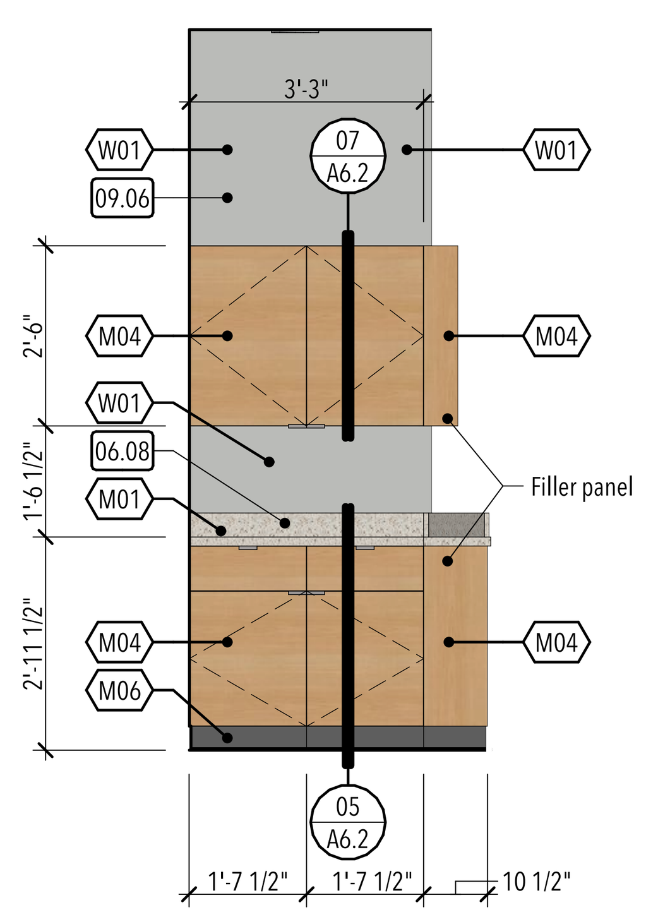
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

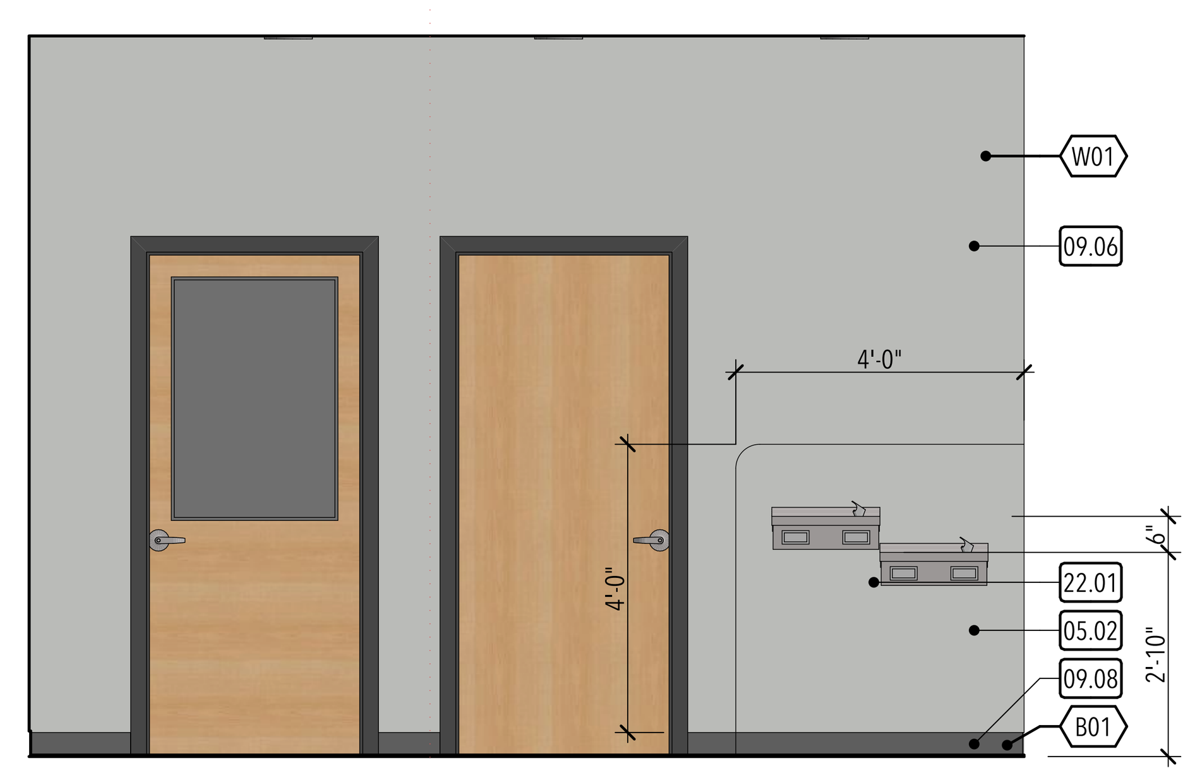
WALL SECTIONS A4.2



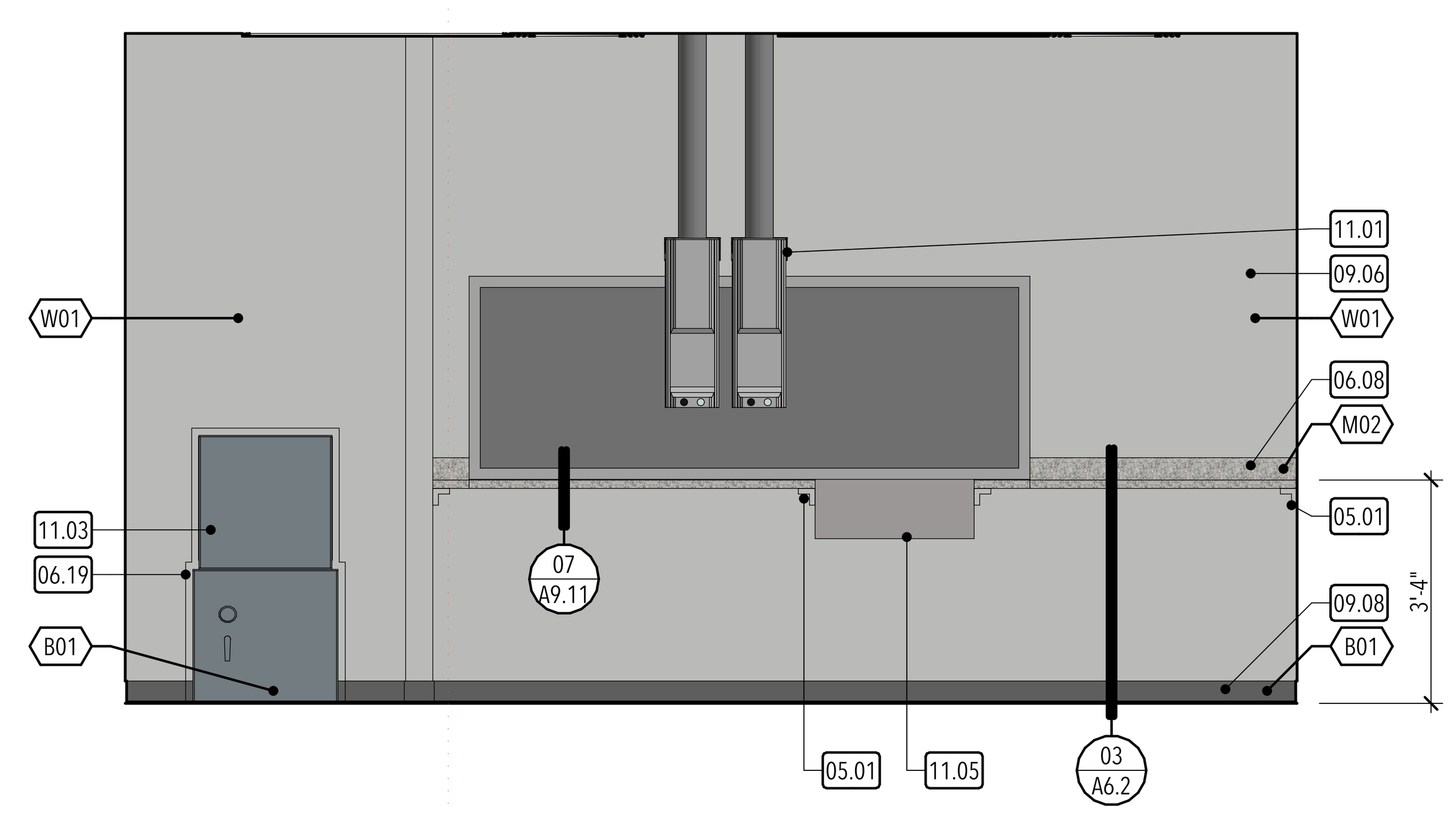
1ST LEVEL ENLARGED PLAN
A   3/8" = 1'-0"



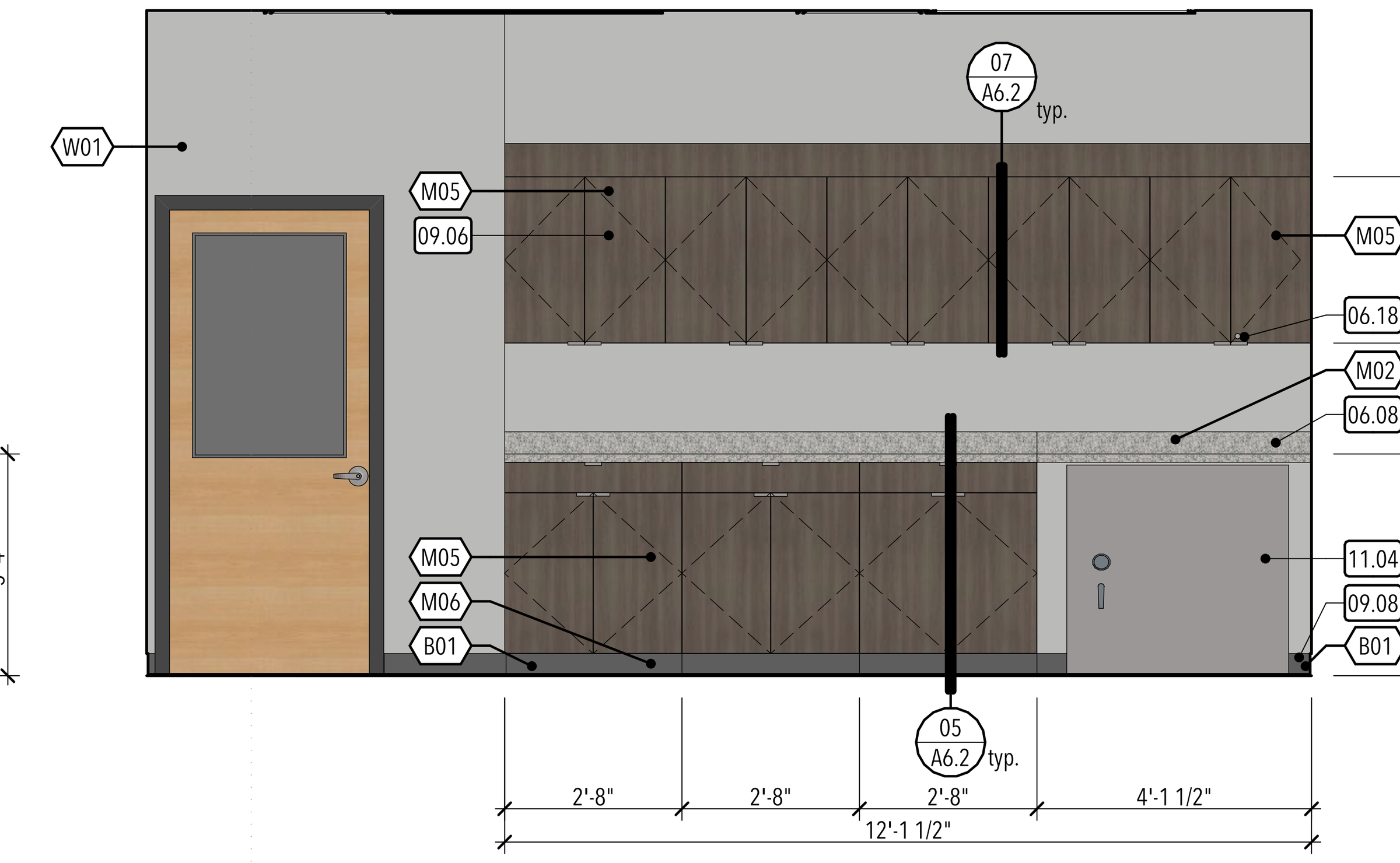
WORK ROOM East
01   3/8" = 1'-0"



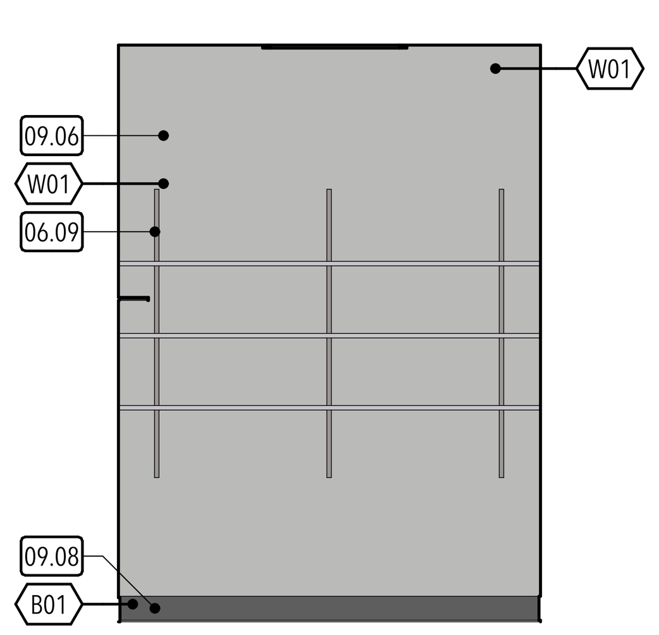
HALLWAY North
02   3/8" = 1'-0"



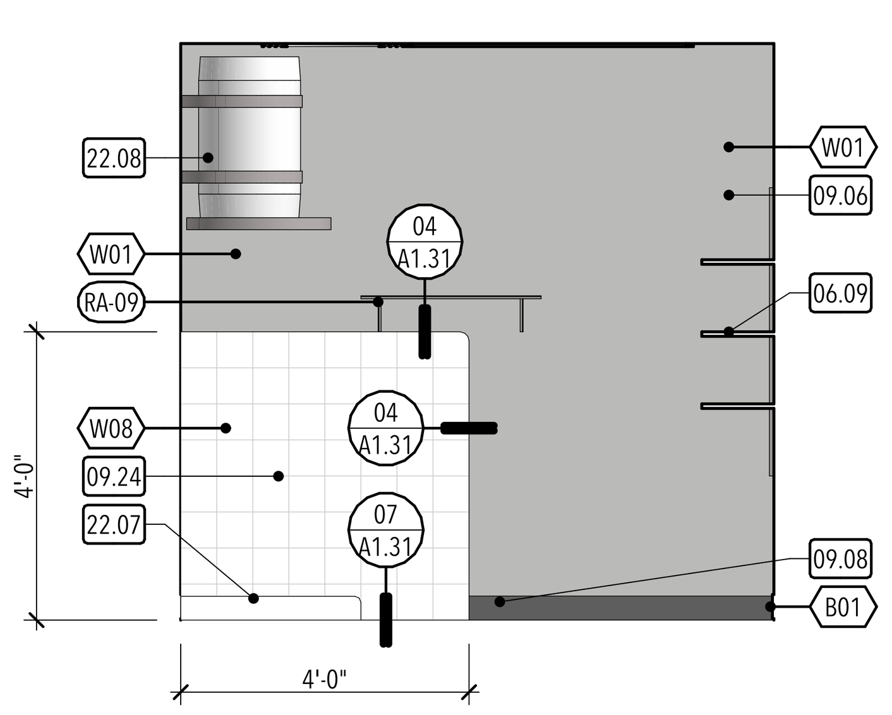
DRIVE-UP TELLERS North
03   3/8" = 1'-0"



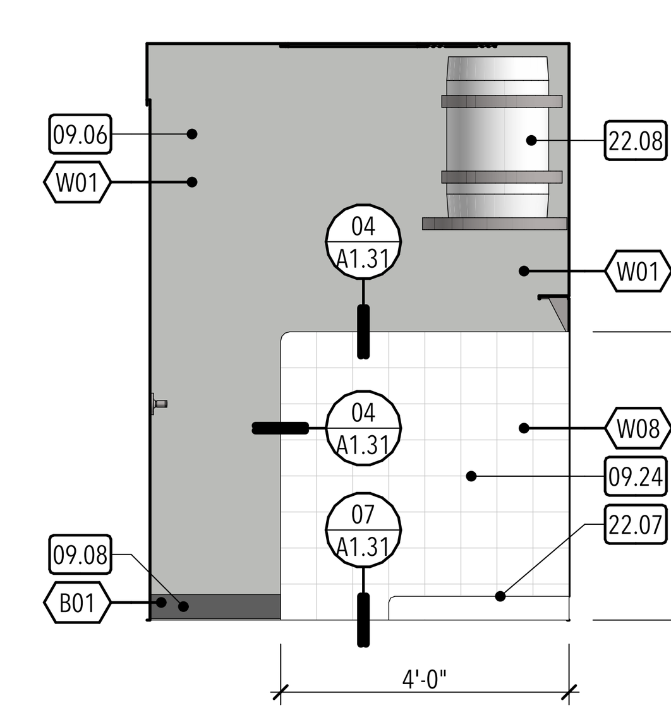
DRIVE-UP TELLERS South
04   3/8" = 1'-0"



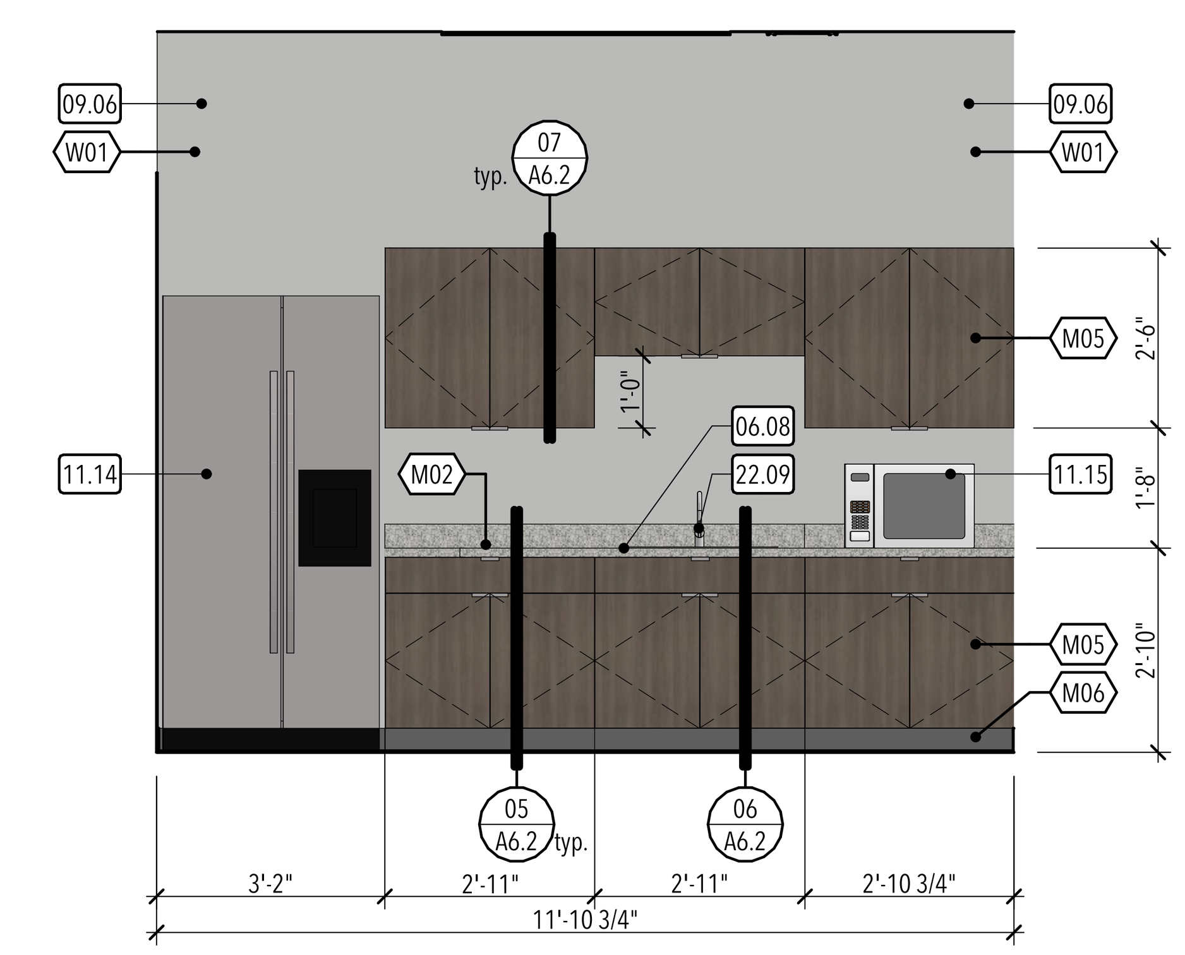
CUSTODIAL East
09   3/8" = 1'-0"



CUSTODIAL North
10   3/8" = 1'-0"



CUSTODIAL West
11   3/8" = 1'-0"



BREAK ROOM East
12   3/8" = 1'-0"

STUDIO 333

GENERAL MILLWORK NOTES:

A. Provide base at all cabinet toe spaces, unless otherwise noted.
B. All countertops shall have a 4" backsplash, unless otherwise noted, to match finish on countertop, on back and sidewalls.
C. Provide filler panels to seal sides and tops of all cabinets placed at an angle to adjacent wall(s).
D. All millwork with exposed ends shall have 3/4" finished end panels - typical.
E. Contractor shall provide blocking behind all cabinets, t.v. brackets, screens, as well as all wall mounted accessories, including toilet accessories, etc. Only 2x wood blocking is acceptable behind millwork. Re: 01/A1.2.
F. All cabinet interiors concealed from view by cabinet doors shall be covered in melamine laminate as per specifications. All cabinet interiors open to view shall be covered in the laminate or veneer utilized on the exterior of the cabinet.

TYPICAL MILLWORK DETAILS:

1. Base Cabinet Plan Detail - Re: 01/A6.2
2. Typical Millwork Anchoring Detail - Re: 02/A6.2
3. Typical Toe Kick Detail - Re: 04/A6.2
4. Typical Base Cabinet With Drawer/Door Detail - Re: 05/A6.2
5. Typical Base Cabinet With Sink Detail - Re: 06/A6.2
6. Typical Upper Cabinet Section Detail - Re: 07/A6.2

KEYED NOTES:

05.01 Steel angle supports, paint. Coordinate location with Diebold shop drawings for banking equipment
05.02 48″ x 48″ stainless steel backsplash, adhered to gypsum board. Radius top corner 1
06.03 3/4″ plywood phone/data board (8' high x full width of two walls), set bottom edge 6" above floor, painted to match wall color
06.08 Solid surface countertop, edge and splash. Provide plastic wire grommets as shown
06.09 12″ adjustable shelving - re: 11/A1.31
06.18 Provide lock and elbow catch on this cabinet
06.19 Painted wood trim on wall as required. Fill gap in wall with expanding foam insulation
09.06 5/8″ gypsum board, paint (epoxy paint in restrooms and custodial)
09.08 Scheduled wall base - re: finish schedule
09.21 2" stone threshold. Re: detail 03/A1.31
09.22 Rubber transition strip. Re: detil 06/A1.31
09.24 6"x6" ceramic wall tile over glass mat backer board. Use bull-nosed tile at exposed edges
10.07 Restroom signage - re: specification
11.01 Pneumatic teller VAT unit by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide underground conduits to unit and power in drive-thru canopy for blower unit – re: 07/SD2.1
11.03 Drop box by Diebold. Coordinate for required wall opening and installation with banking equipment supplier. Contractor to provide conduits to unit and painted wood trim at wall as required.
11.04 Un-encased safe by Diebold. Coordinate installation with banking equipment supplier. Contractor to provide conduits to unit
11.05 Transaction drawer by Diebold. Coordinate installation with banking equipment supplier
11.14 Refrigerator (N.I.C.)
11.15 Microwave oven (N.I.C.)
22.01 Electric water cooler, Hi/Low unit, with stainless steel surround (beyond) - re: Plumbing
22.07 Service sink - re: plumbing
22.08 Water heater - re: plumbing
22.09 Sink and faucet - re: plumbing. Provide insulation at all exposed piping below lavatories.
26.02 Electrical panel
26.03 Server rack - re: Electrical

RESTROOM ACCESSORIES SCHEDULE

DESIGNATION	DESCRIPTION	MOUNTING	MISCELLANEOUS
RA-01	Grab bar (36")	Surface	Provide solid blocking in wall; Contractor furnished, contractor installed
RA-02	Grab bar (42")	Surface	Provide solid blocking in wall; Contractor furnished, contractor installed
RA-03	Vertical grab bar (18")	Surface	Provide solid blocking in wall; Contractor furnished, contractor installed
RA-04	Toilet tissue dispenser	Surface	Owner furnished, owner installed
RA-05	Mirror (24" x 36")	Surface	Re: elevations for dimensions; Contractor furnished, contractor installed
RA-06	Towel dispenser	Surface	Owner furnished, owner installed
RA-07	Soap dispenser	Surface	Owner furnished, owner installed
RA-08	Sanitary napkin disposal	Surface	Owner furnished, owner installed
RA-09	Utility shelf/mop holder	Surface	30" length; Contractor furnished, contractor installed

STUDIO 333 ARCHITECTS
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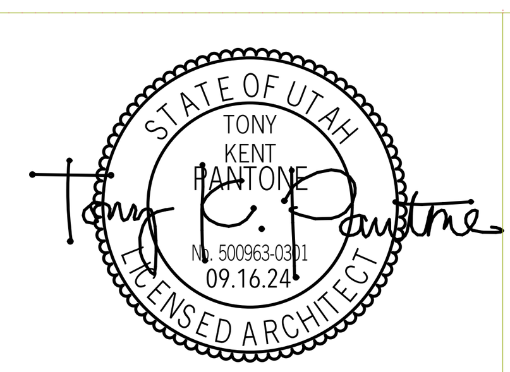


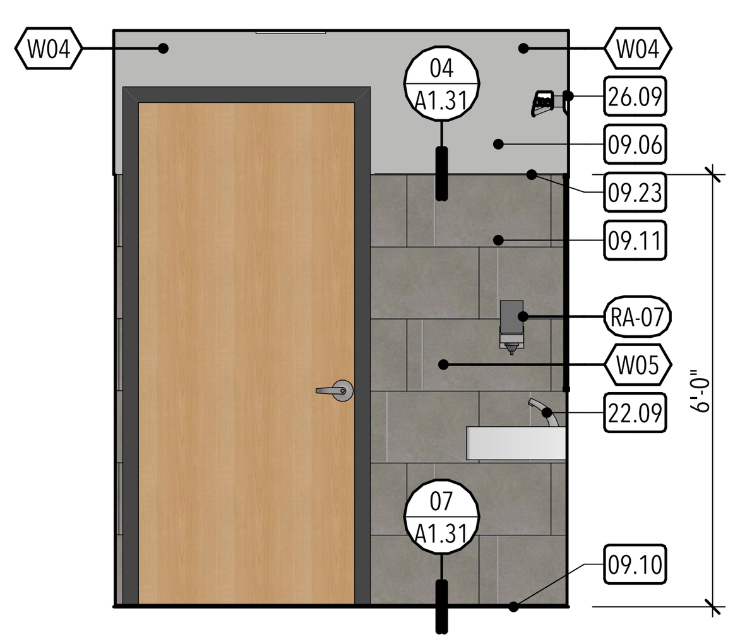
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

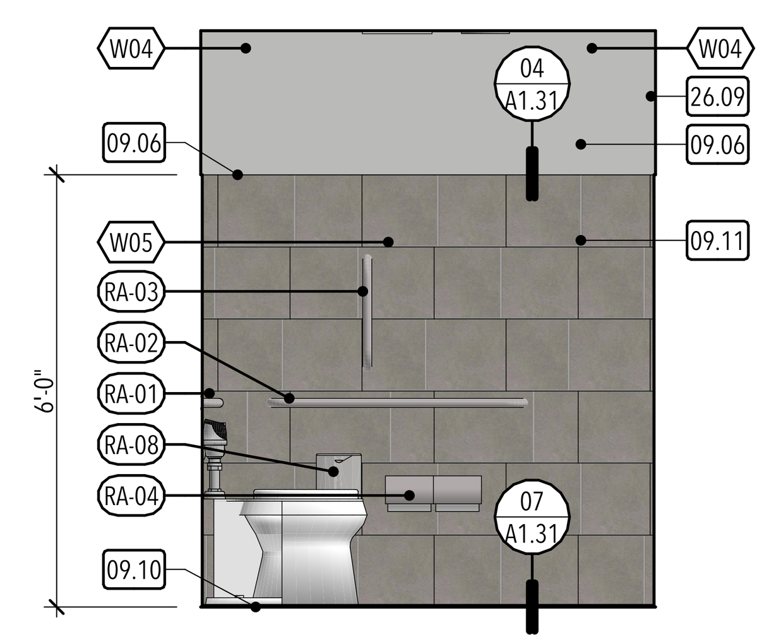
1ST LEVEL ENLARGED PLAN & INTERIOR ELEVATIONS

A5.1



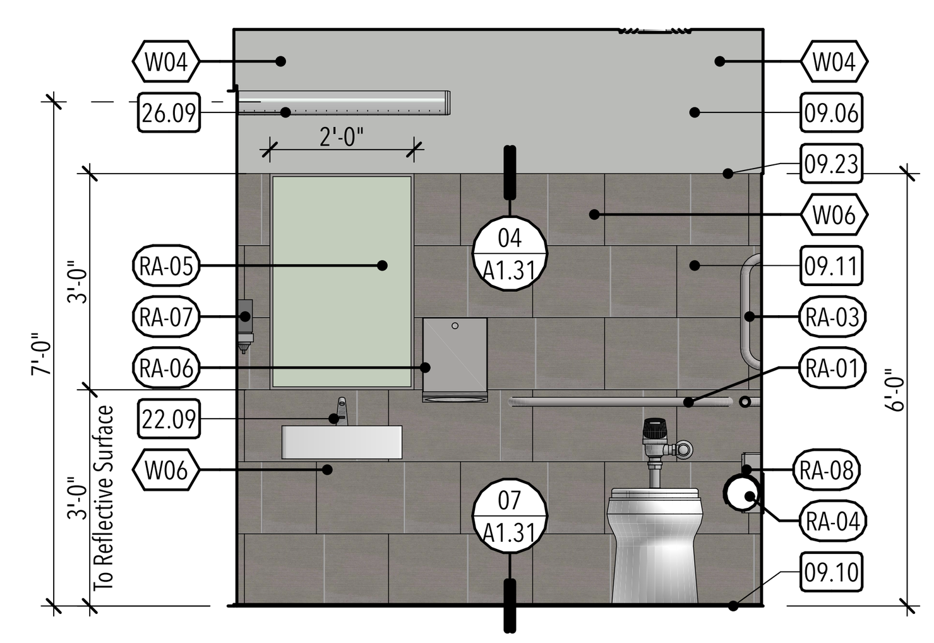
MEN South

3/8" = 1'-0"



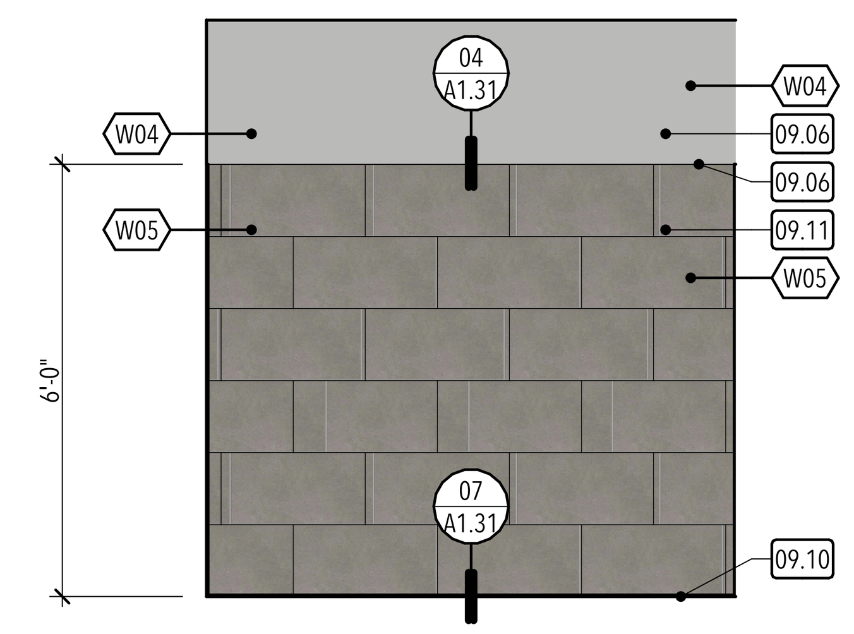
MEN North

3/8" = 1'-0"



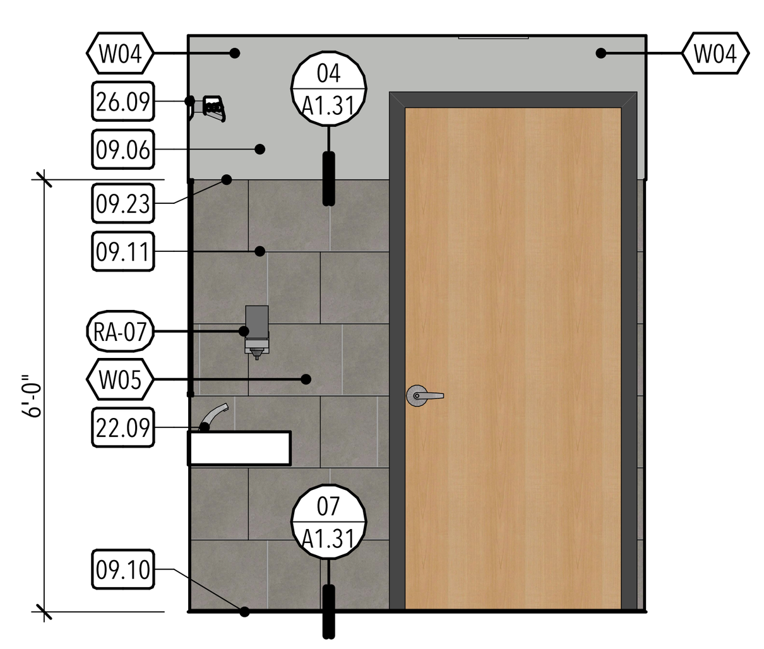
01 MEN West

3/8" = 1'-0"



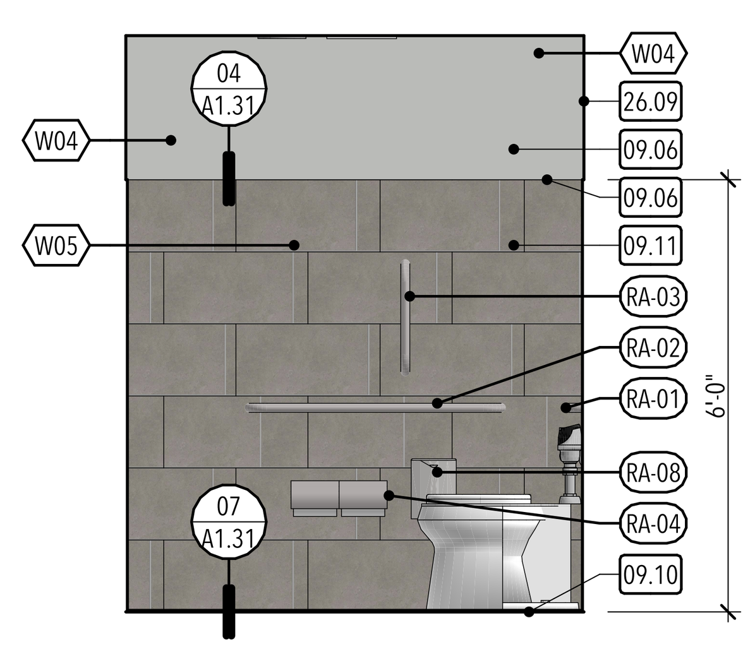
02 MEN East

3/8" = 1'-0"



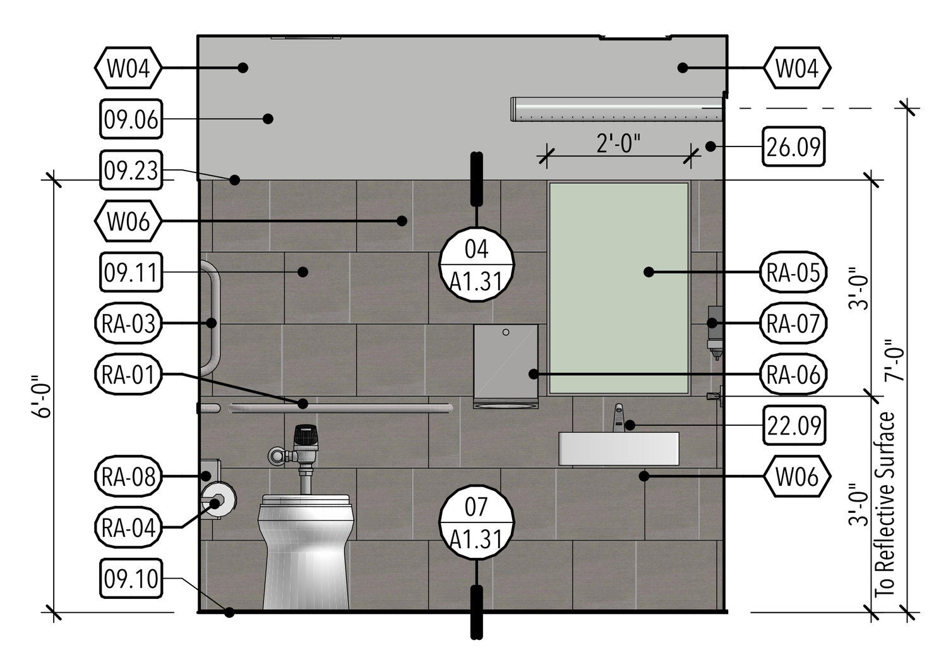
WOMEN South

3/8" = 1'-0"



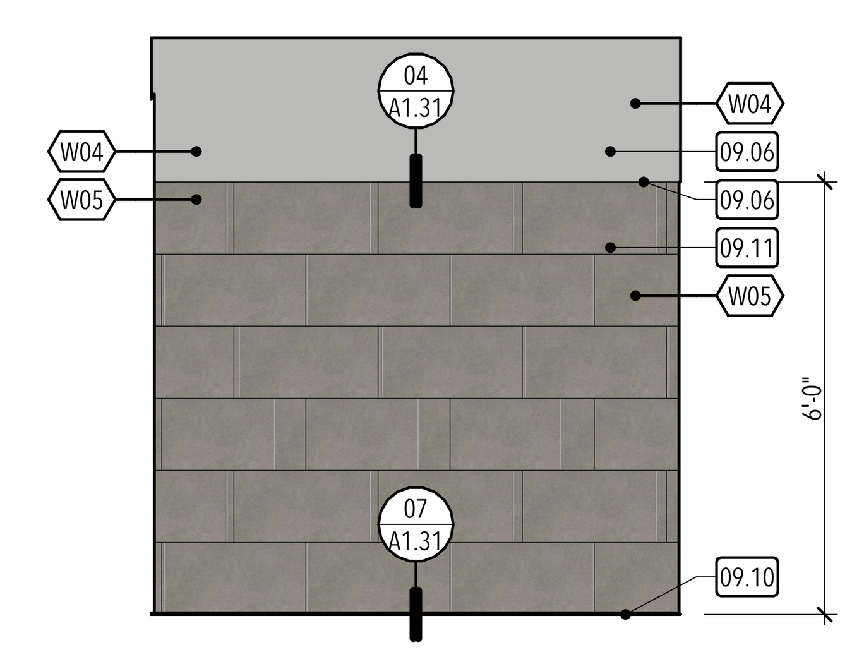
WOMEN North

3/8" = 1'-0"



05 WOMEN East

3/8" = 1'-0"



06 WOMEN West

3/8" = 1'-0"

STUDIO 333

KEYED NOTES:

09.06	5/8" gypsum board, paint (epoxy paint in restrooms and custodial)
09.10	Metal cove at wall/floor tile transition - re: 07/A1.31
09.11	Ceramic wall tile over glass mat tile backer board. Tile pattern as shown, on all four walls
09.23	Metal edge at top of ceramic tile - re: 04/A1.31
22.09	Sink and faucet - re: plumbing. Provide insulation at all exposed piping below lavatories.
26.09	Light fixture, re: Electrical

STUDIO 333 ARCHITECTS
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STATE OF UTAH
TONY KENT PANTONE
No. 500963-0301
09.16.24
LICENSED ARCHITECT

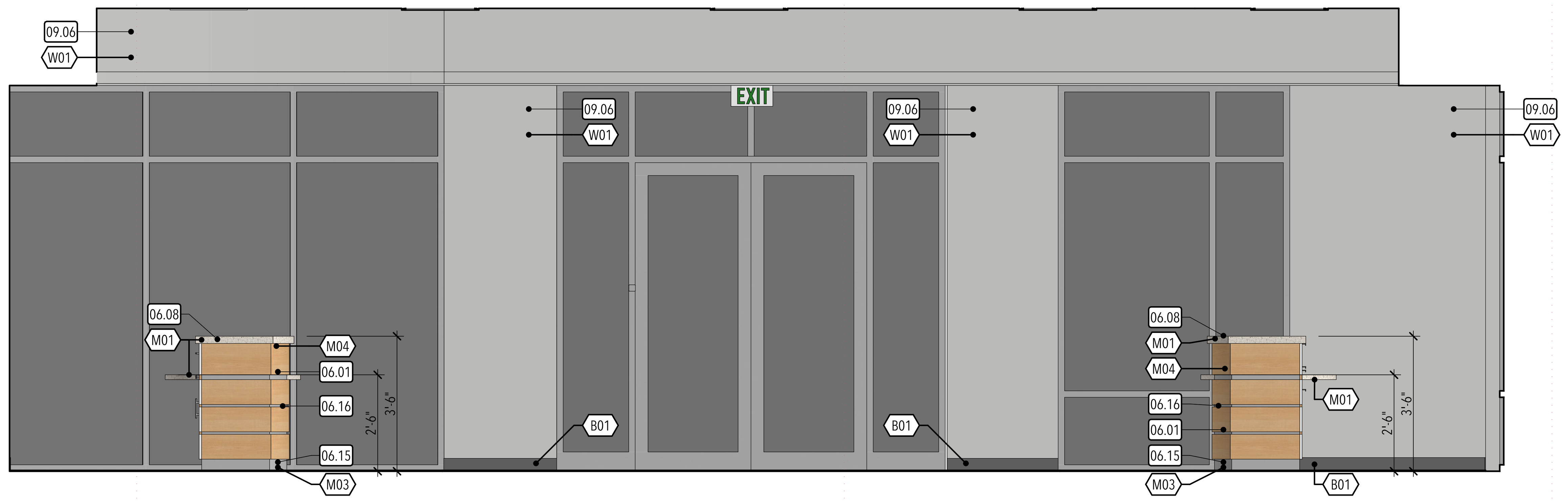
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

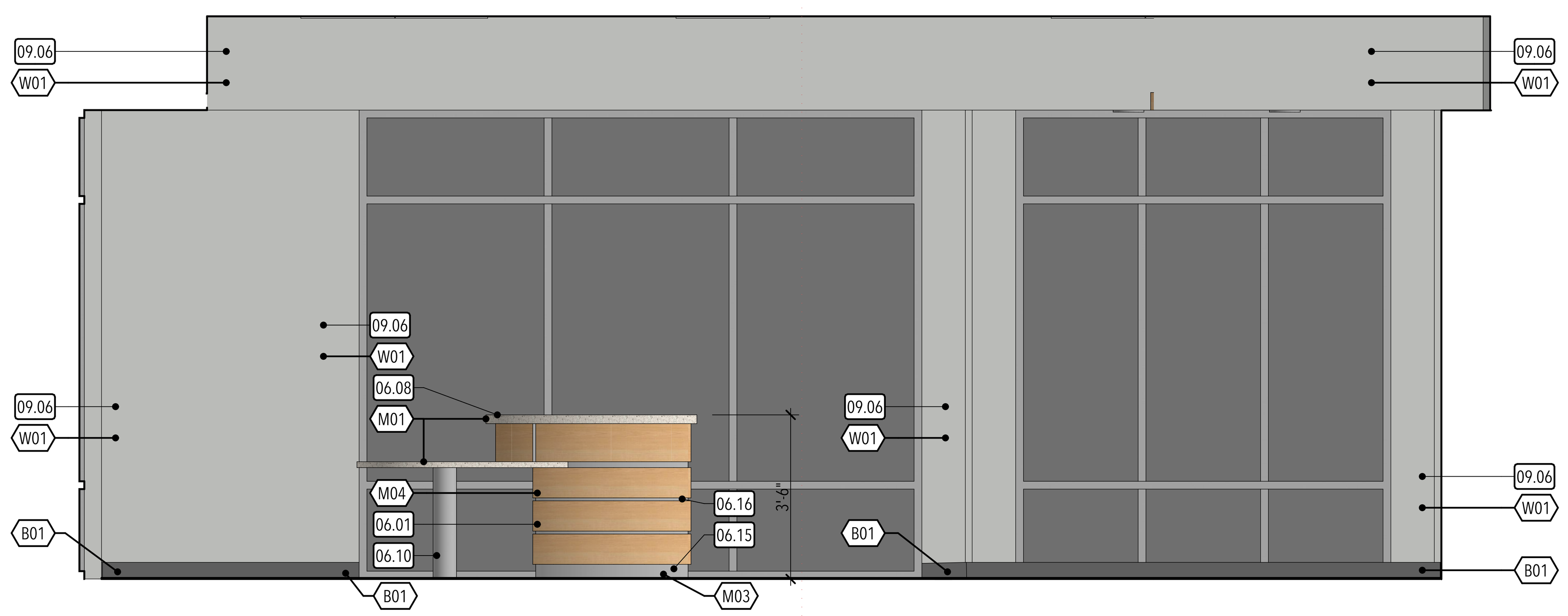
INTERIOR ELEVATIONS

A5.2



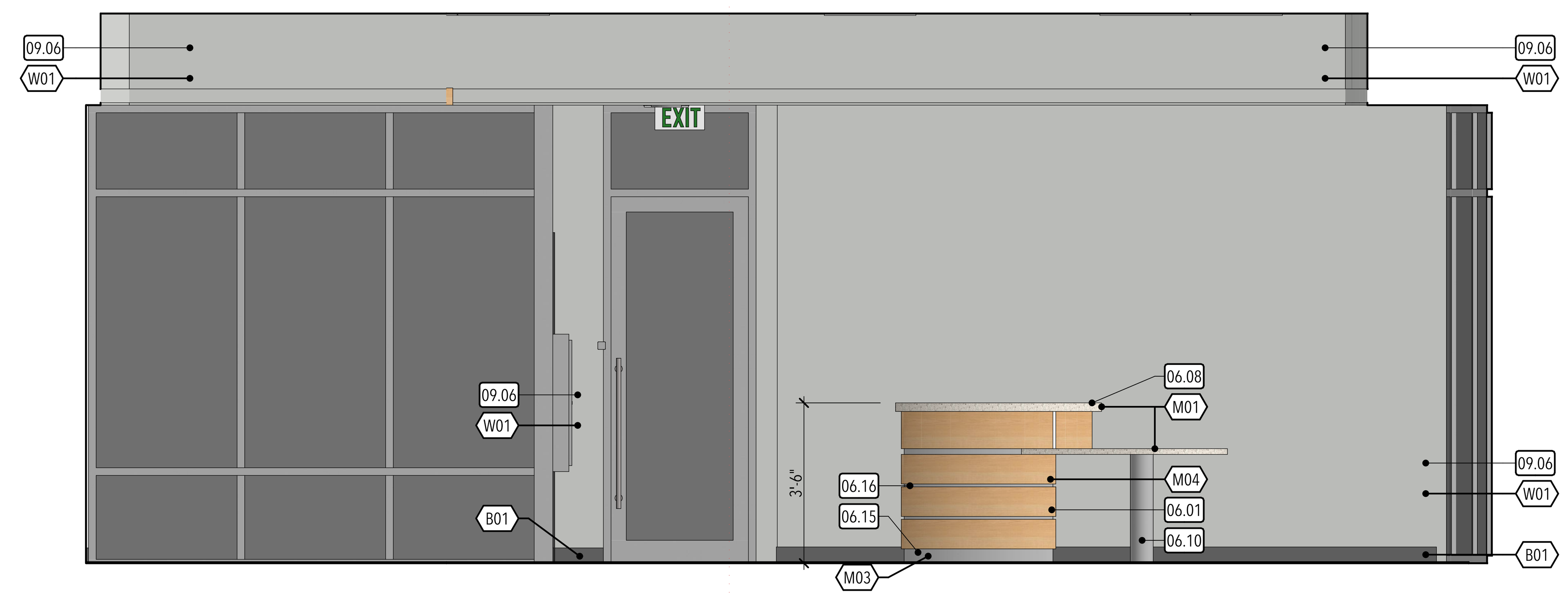
LOBBY South

01 3/8" = 1'-0"



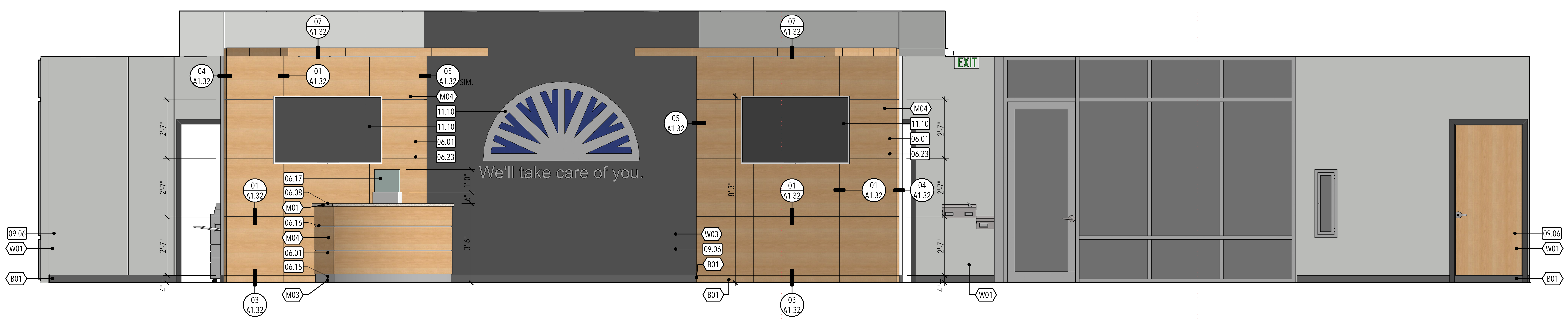
LOBBY West

05 3/8" = 1'-0"



HALLWAY East

07 3/8" = 1'-0"



LOBBY North

3/8" = 1'-0"

KEYED NOTES:

06.01	3/4" hardwood veneer panel system - finish to match doors
06.08	Solid surface countertop, edge and splash. Provide plastic wire grommets as shown
06.10	Brushed Aluminum 6" diameter table leg
06.15	Anodized aluminum base
06.16	3/4" anodized aluminum channel (typical)
06.17	1/4" tempered glass with frosted face, Metalux
06.23	1/8" reveal with hardwood spline - typical
09.06	5/8" gypsum board, paint (epoxy paint in restrooms and custodial)
11.10	Video monitor by Owner. Provide blocking in wall for mounting bracket - re: 01/A1.2

STUDIO 333 ARCHITECTS
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STATE OF UTAH
TONY KENT PANTONE
No. 500963-0301
09.16.24
LICENSED ARCHITECT

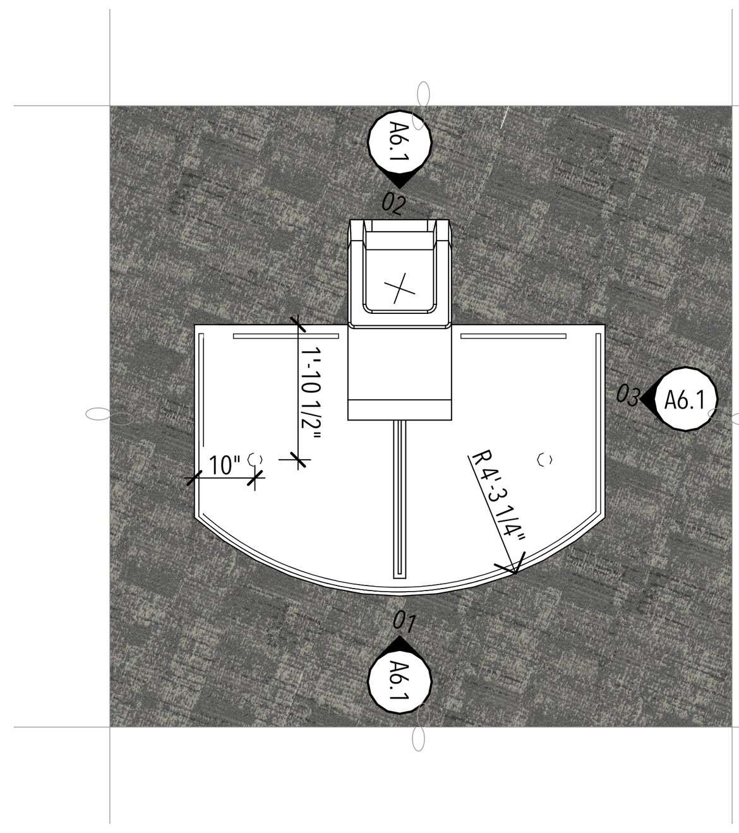
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

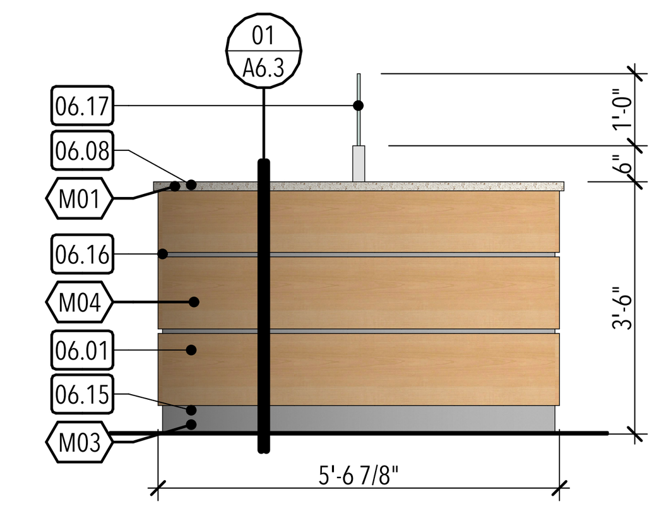
INTERIOR ELEVATIONS

A5.3

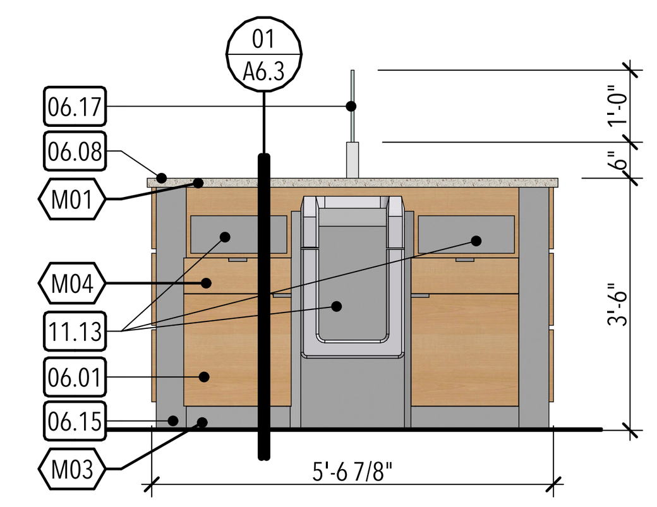


Note: One as shown and one reversed

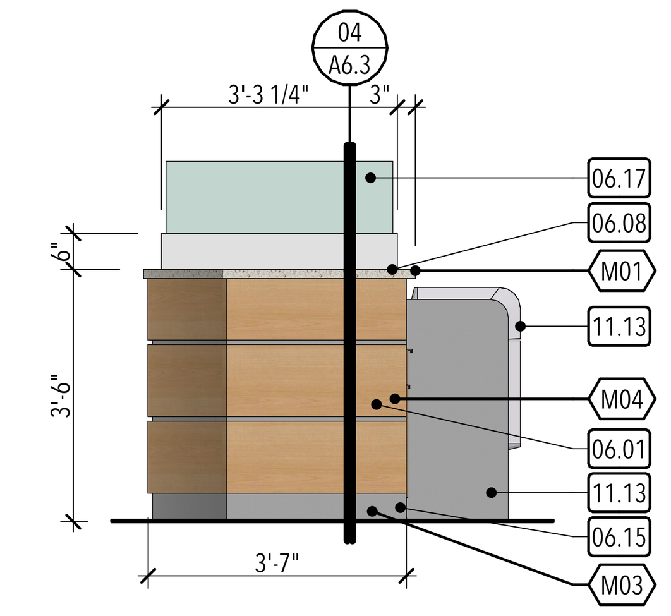
ENLARGED PLAN @ ECR
A 3/8" = 1'-0"



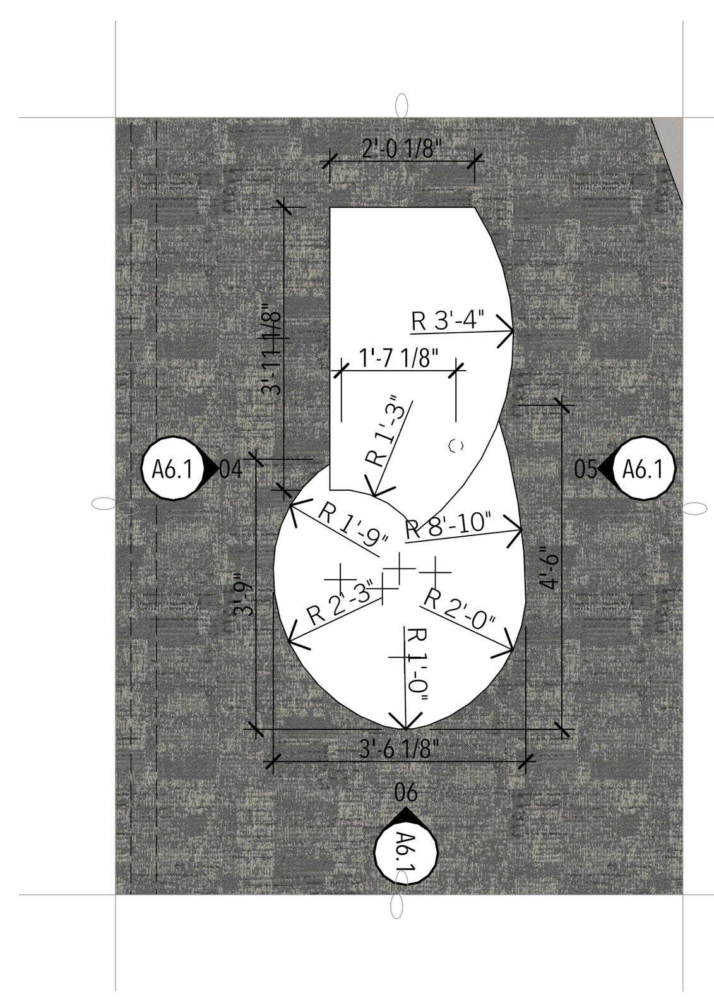
ECR MILLWORK
01 3/8" = 1'-0"



ECR MILLWORK
02 3/8" = 1'-0"

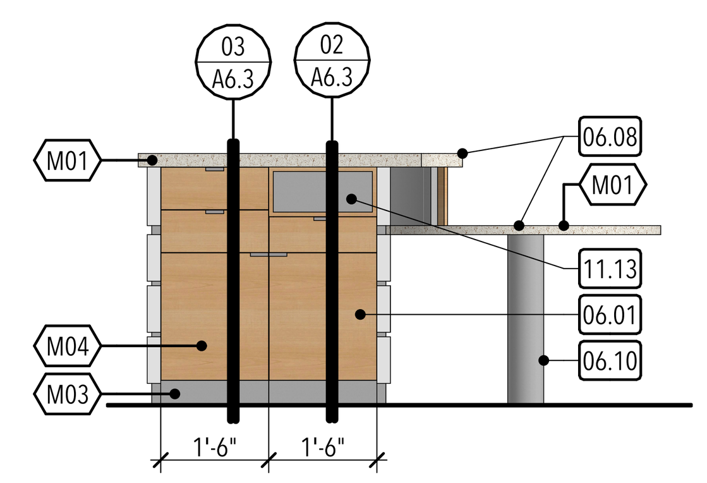


ECR MILLWORK
03 3/8" = 1'-0"

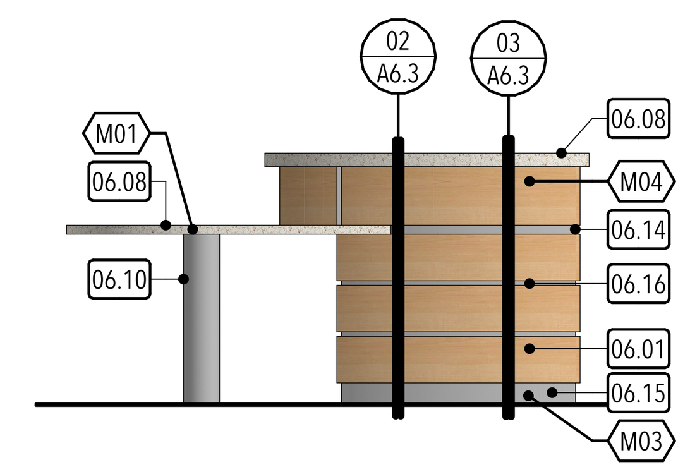


Note: One as shown and one reversed

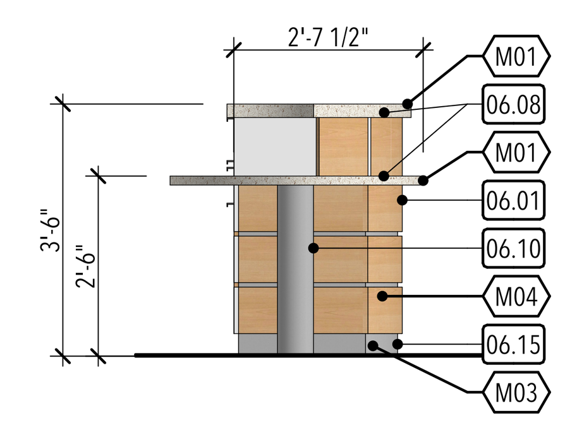
ENLARGED PLAN @ PODIUM
B 3/8" = 1'-0"



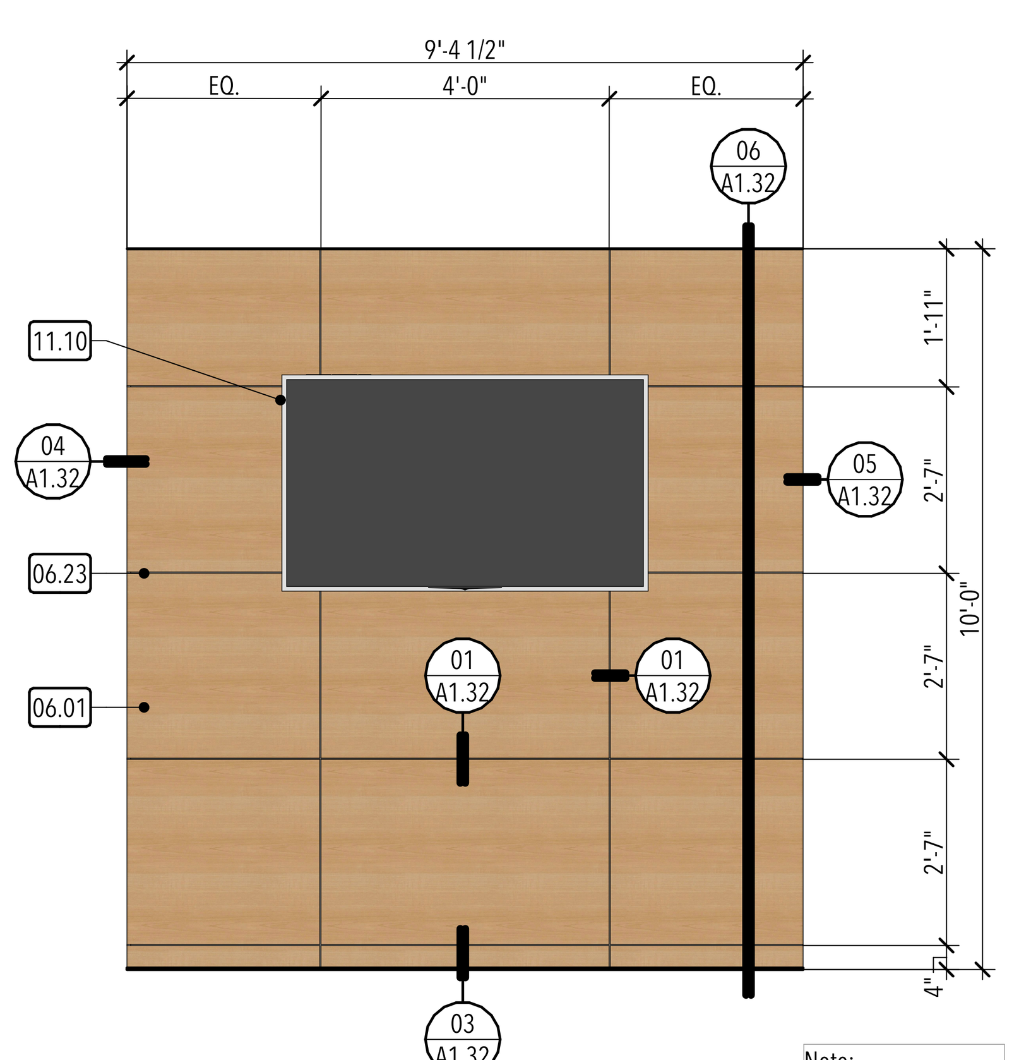
ILT PODIUM MILLWORK
04 3/8" = 1'-0"



ILT PODIUM MILLWORK
05 3/8" = 1'-0"



ILT PODIUM MILLWORK
06 3/8" = 1'-0"



Note: One as shown and one reversed

INTERIOR WALL ELEVATION
10 3/8" = 1'-0"

STUDIO 333

GENERAL MILLWORK NOTES:

A. Provide base at all cabinet toe spaces, unless otherwise noted.
B. All countertops shall have a 4" backsplash, unless otherwise noted, to match finish on countertop, on back and sidewalls.
C. Provide filler panels to seal sides and tops of all cabinets placed at an angle to adjacent wall(s).
D. All millwork with exposed ends shall have 3/4" finished end panels - typical.
E. Contractor shall provide blocking behind all cabinets, t.v. brackets, screens, as well as all wall mounted accessories, including toilet accessories, etc. Only 2x wood blocking is acceptable behind millwork. Re: 01/A1.2.
F. All cabinet interiors concealed from view by cabinet doors shall be covered in melamine laminate as per specifications. All cabinet interiors open to view shall be covered in the laminate or veneer utilized on the exterior of the cabinet.

TYPICAL MILLWORK DETAILS:

1. Base Cabinet Plan Detail - Re: 01/A6.2
2. Typical Millwork Anchoring Detail - Re: 02/A6.2
3. Typical Toe Kick Detail - Re: 04/A6.2
4. Typical Base Cabinet With Drawer/Door Detail - Re: 05/A6.2
5. Typical Base Cabinet With Sink Detail - Re: 06/A6.2
6. Typical Upper Cabinet Section Detail - Re: 07/A6.2

KEYED NOTES:

06.01 3/4" hardwood veneer panel system - finish to match doors
06.08 Solid surface countertop, edge and splash. Provide plastic wire grommets as shown
06.10 Brushed Aluminum 6" diameter table leg
06.14 1 1/2" anodized aluminum reveal
06.15 Anodized aluminum base
06.16 3/4" anodized aluminum channel (typical)
06.17 1/4" tempered glass with frosted face, Metalux
06.23 1/8" reveal with hardwood spline - typical
11.10 Video monitor by Owner. Provide blocking in wall for mounting bracket - re: 01/A1.2
11.13 Banking equipment by Diebold (NIC) - coordinate w/ banking equipment supplier

MILLWORK FINISH MATERIAL LEGEND

TYPE	MANUF.	PRODUCT	COLOR	NOTES
M01	Formica	Solid surface	742 Blanco Terrazzo	-
M02	Formica	Solid surface	412 Dalmata Terrazzo Matrix	-
M03	Alpolic	Stainless steel base	18 gauge, brushed finish	-
M04	Formica	Plastic laminate	86992-58 Hardrock Maple	-
M05	Formica	Plastic laminate	6994-26 Ceruse Gray Walnut	-
M06	Johnsonite/Tarkett	Rubber base	199 Dockside WG	-

Note: Provide PVC edge banding on edges at shelves behind doors, color to match (M01 - Wilsonart -)

MILLWORK HARDWARE SCHEDULE

TYPE	MFC.	MODEL	DESCRIPTION/NOTES
Pivot Hinges	Blum	CLIP top BLUMOTION	Standard 110º hinges; Use 90º hinges adjacent to walls.
Pulls	Doug Mockett	DP3/AS	Flush mount pulls with door/drawer edge.
Lock	Olympus	600DW	-
Drawers slides	Hafele/ Accuride	3932EC	Medium-Duty and Easy-Close slide. Provide 150 lbs drawer slides at all drawer locations
Hanging folder frame	-	239.41.013	-
Countertop support	KV or Eq.	-	Coord. size & exact locations w/ owner
2 1/4" grommet cover	-	-	Finish: Black; Coord. size & locations w/ owner
1" grommet cover	-	-	Finish: Black; Coord. size & locations w/ owner

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

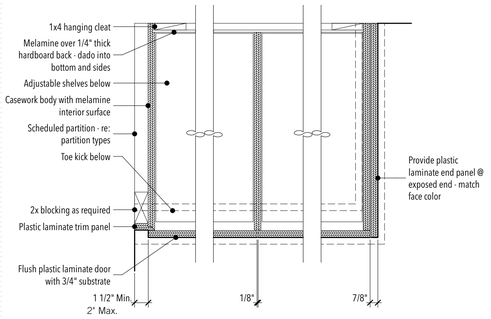
STATE OF UTAH · TONY KENT PANTONE · No. 500963-0301 · 09.16.24 · LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

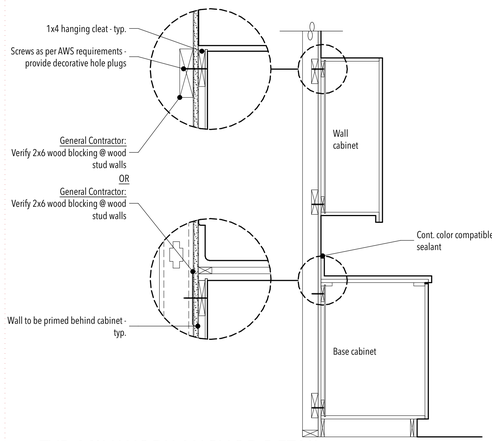
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

MILLWORK DETAILS
A6.1



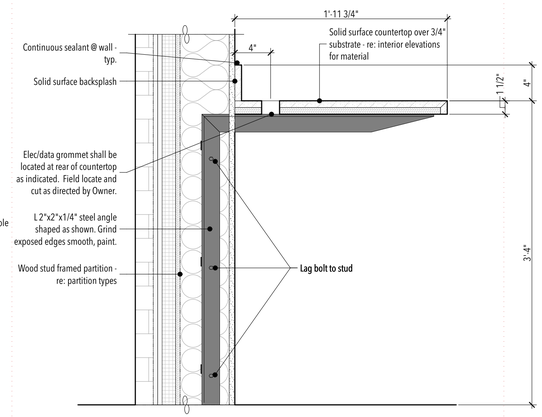
BASE CABINET PLAN DETAIL

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



TYP. MILLWORK ANCHOR DETAIL

02 3/4" = 1'-0"



COUNTER AT DRIVE-THRU

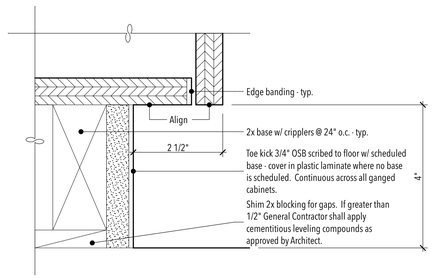
03 1 1/2"= 1'-0"

GENERAL MILLWORK NOTES:

A. Provide base at all cabinet toe spaces, unless otherwise noted.
B. All countertops shall have a 4" backsplash, unless otherwise noted, to match finish on countertop, on back and sidewalls.
C. Provide filler panels to seal sides and tops of all cabinets placed at an angle to adjacent wall(s).
D. All millwork with exposed ends shall have 3/4" finished end panels - typical.
E. Contractor shall provide blocking behind all cabinets, t.v. brackets, screens, as well as all wall mounted accessories, including toilet accessories, etc. Only 2x wood blocking is acceptable behind millwork. Re: 01/A1.2.
F. All cabinet interiors concealed from view by cabinet doors shall be covered in melamine laminate as per specifications. All cabinet interiors open to view shall be covered in the laminate or veneer utilized on the exterior of the cabinet.

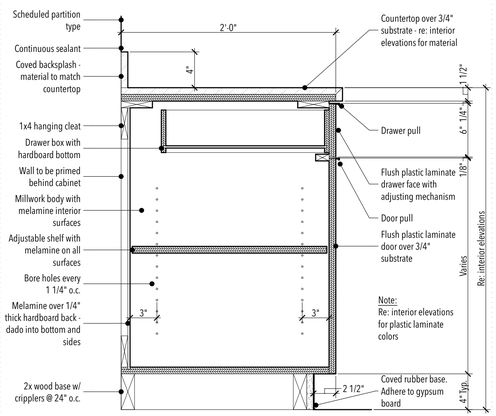
TYPICAL MILLWORK DETAILS:

1. Base Cabinet Plan Detail - Re: 01/A6.2
2. Typical Millwork Anchoring Detail - Re: 02/A6.2
3. Typical Toe Kick Detail - Re: 04/A6.2
4. Typical Base Cabinet With Drawer/Door Detail - Re: 05/A6.2
5. Typical Base Cabinet With Sink Detail - Re: 06/A6.2
6. Typical Upper Cabinet Section Detail - Re: 07/A6.2



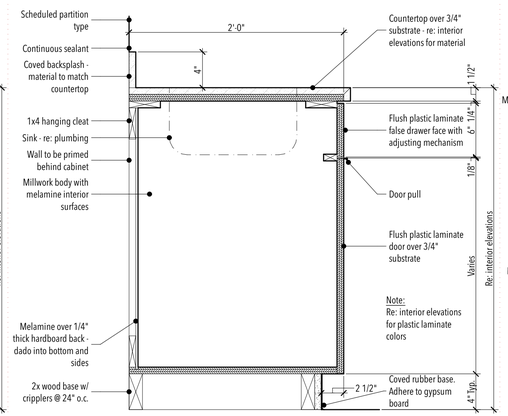
TYP. TOE KICK DETAIL

04 6" = 1'-0"



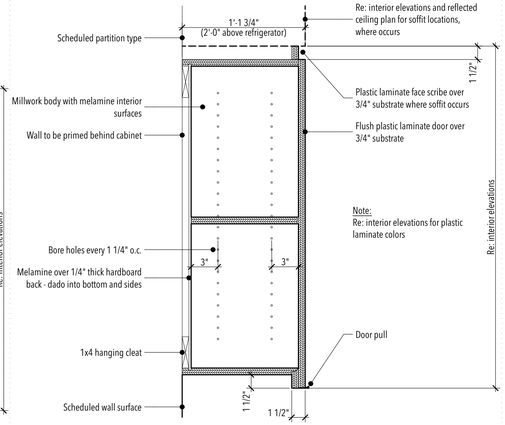
BASE CABINET W/ DRAWER-DOOR

05 1 1/2"= 1'-0"



BASE CABINET W/ SINK

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



UPPER CABINET SECTION

07 1 1/2"= 1'-0"

MILLWORK FINISH MATERIAL LEGEND

TYPE	MANUF.	PRODUCT	COLOR	NOTES
M01	Formica	Solid surface	742 Blanco Terrazzo	-
M02	Formica	Solid surface	412 Dalmata Terrazzo Matrix	-
M03	Alpolic	Stainless steel base	18 gauge, brushed finish	-
M04	Formica	Plastic laminate	86992-58 Hardrock Maple	-
M05	Formica	Plastic laminate	6994-26 Ceruse Gray Walnut	-
M06	Johnsonite/Tarkett	Rubber base	199 Dockside WG	-

Note: Provide PVC edge banding on edges at shelves behind doors, color to match (M01 - Wilsonart -)

MILLWORK HARDWARE SCHEDULE

TYPE	MFC.	MODEL	DESCRIPTION/NOTES
Pivot Hinges	Blum	CLIP top BLUMOTION	Standard 110° hinges; Use 90° hinges adjacent to walls.
Pulls	Doug Mockett	DP3/AS	Flush mount pulls with door/drawer edge.
Lock	Olympus	600DW	-
Drawers slides	Hafele/ Accuride	3932EC	Medium-Duty and Easy-Close slide. Provide 150 lbs drawer slides at all drawer locations
Hanging folder frame	-	239.41.013	-
Countertop support	KV or Eq.	-	Coord. size & exact locations w/ owner
2 1/4" grommet cover	-	-	Finish: Black; Coord. size & locations w/ owner
1" grommet cover	-	-	Finish: Black; Coord. size & locations w/ owner

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STATE OF UTAH
TONY KENT PANTONE
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LICENSED ARCHITECT

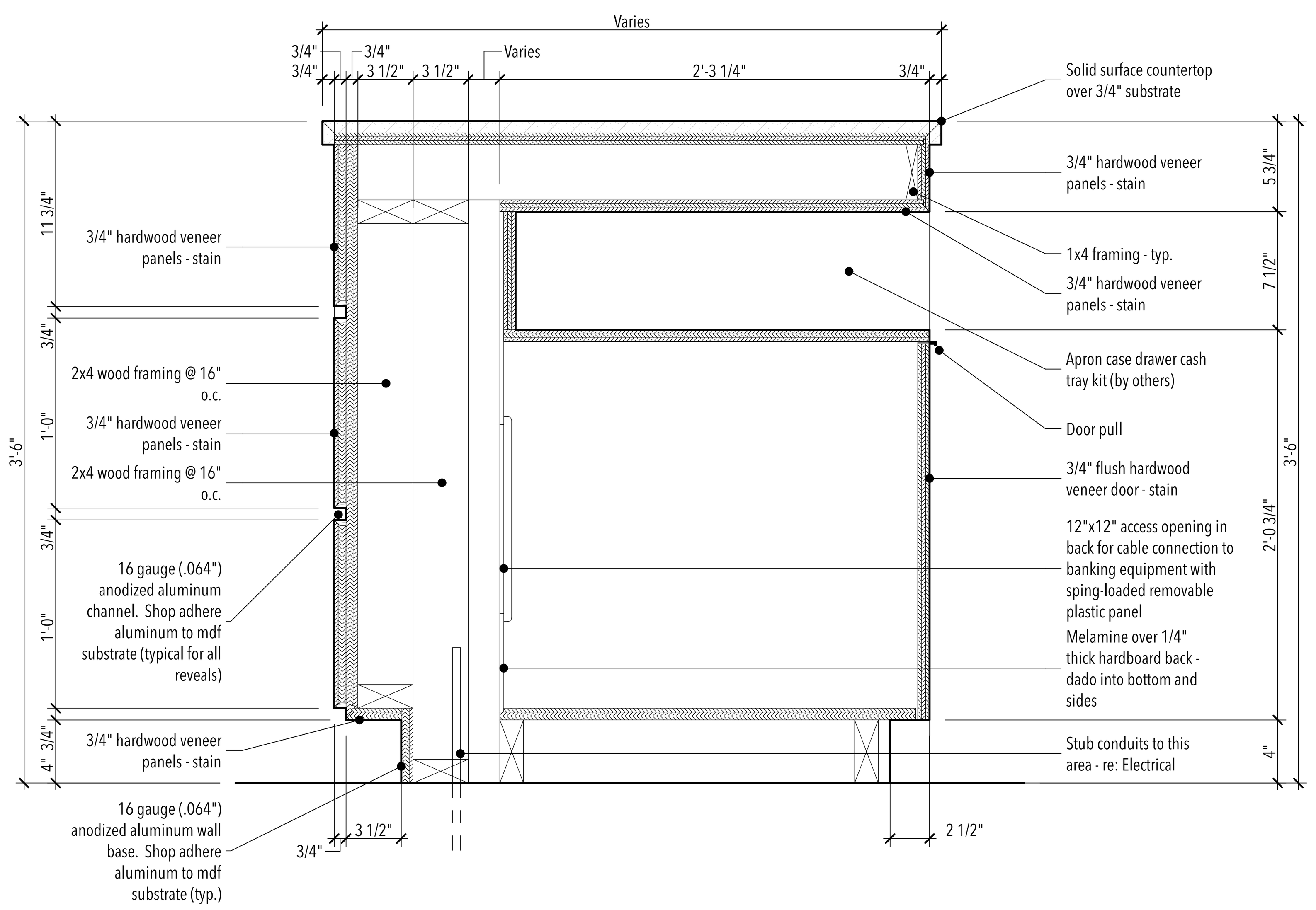
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

MILLWORK DETAILS A6.2

STUDIO 333



MILLWORK SECTION @ ECR

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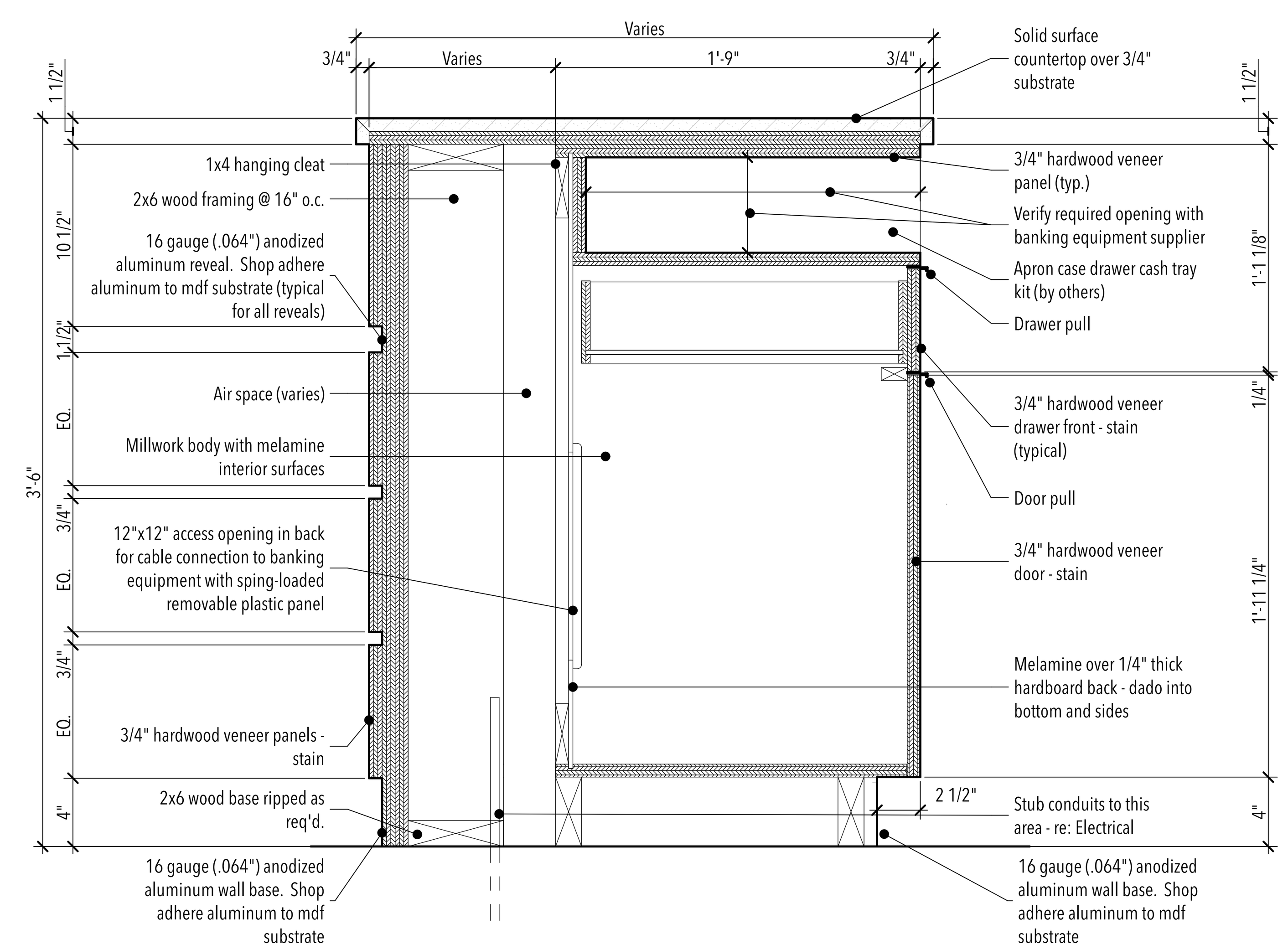
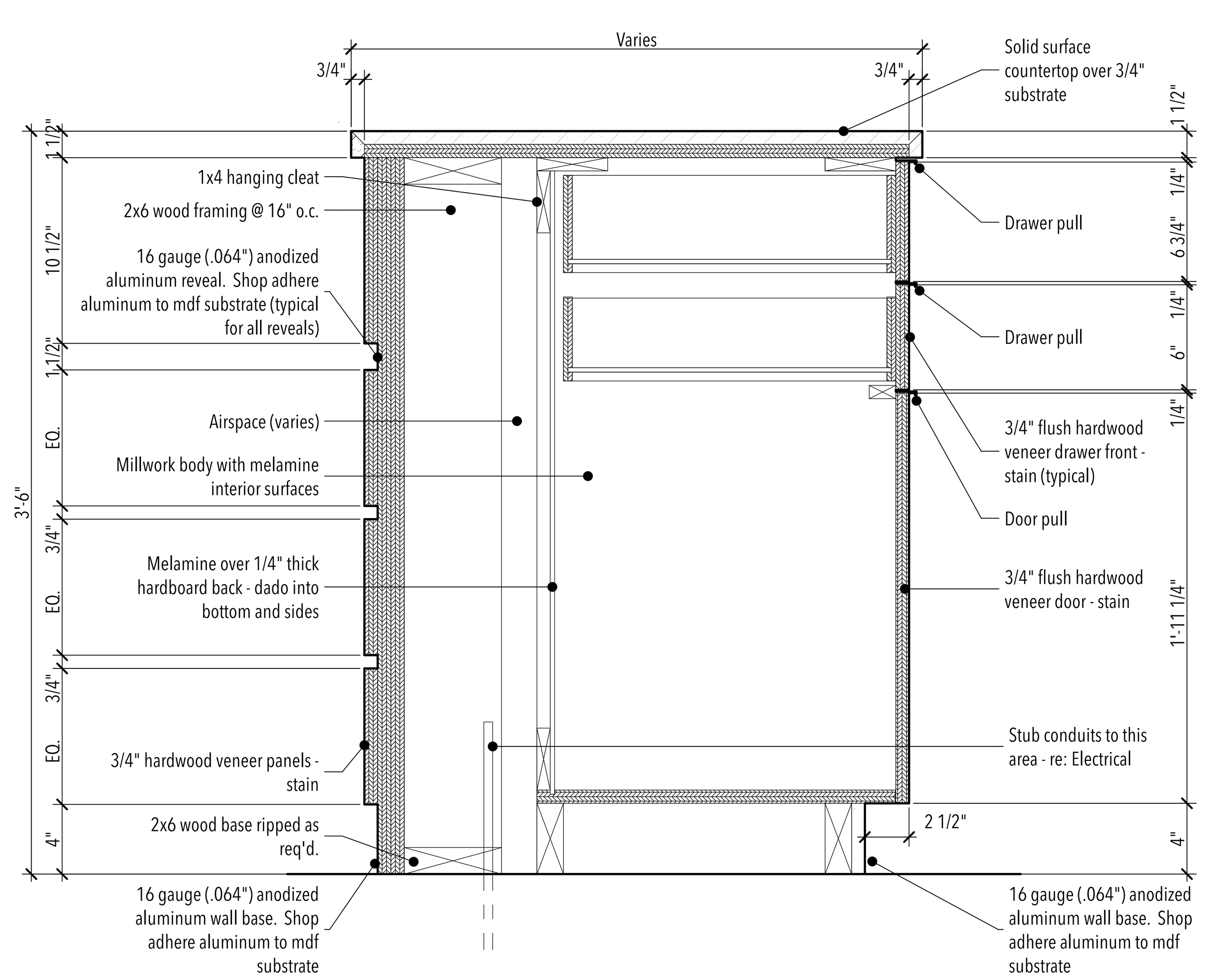


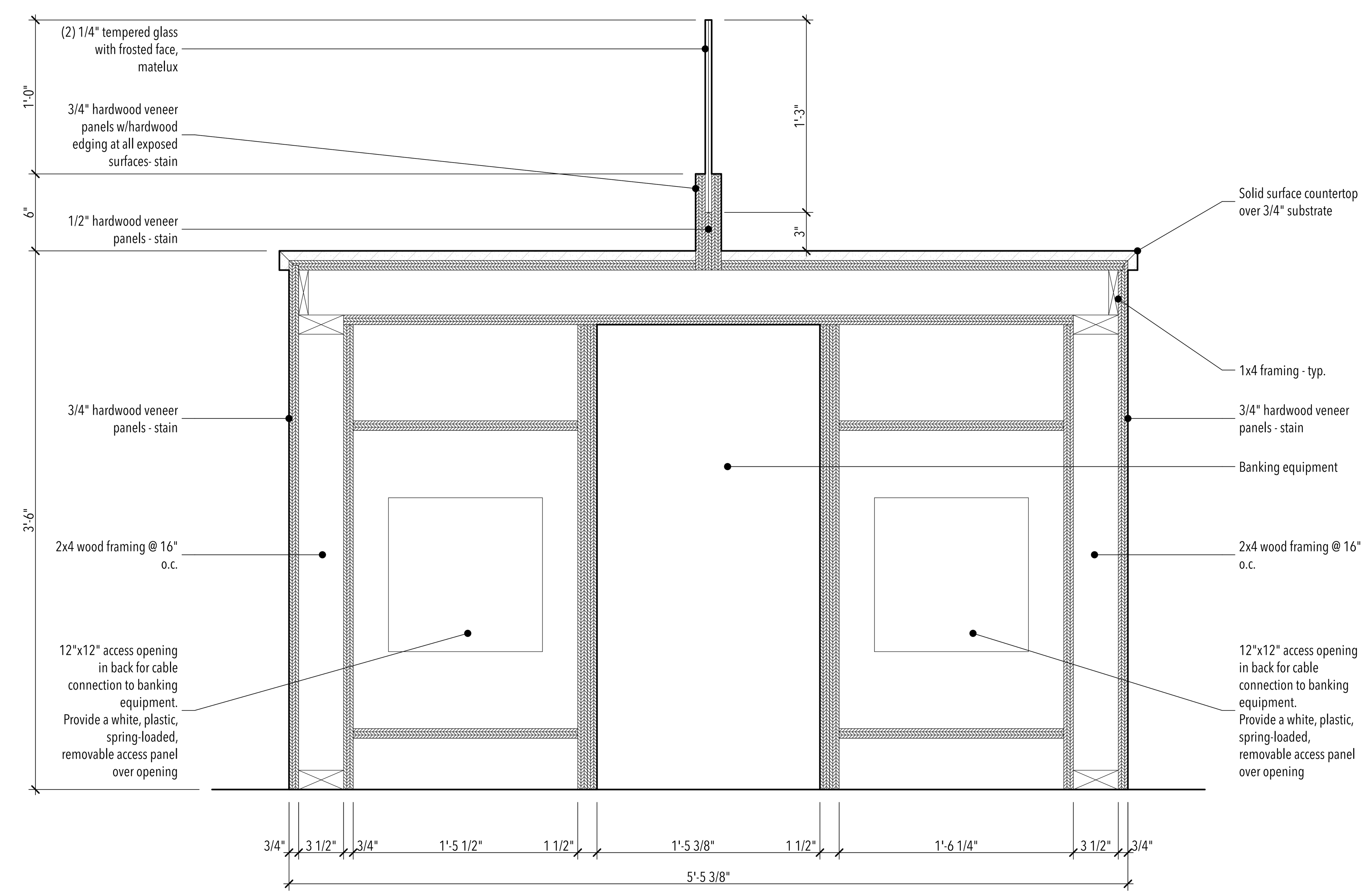
PODUIM SECTION

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



PODUIM SECTION

03 1 1/2"= 1'-0"



MILLWORK SECTION @ ECR

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Hanging folder frame	-	239.41.013	-
Countertop support	KV or Eq.	-	Coord. size & exact locations w/ owner
2 1/4" grommet cover	-	-	Finish: Black; Coord. size & locations w/ owner
1" grommet cover	-	-	Finish: Black; Coord. size & locations w/ owner

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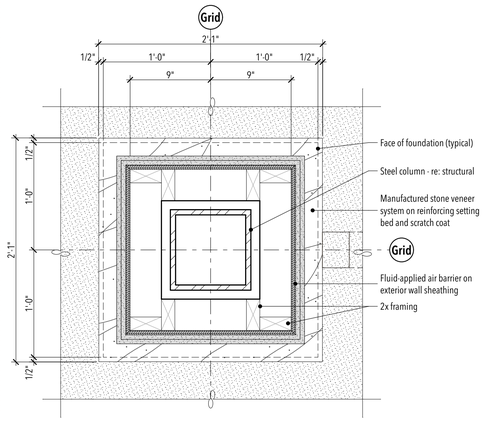
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

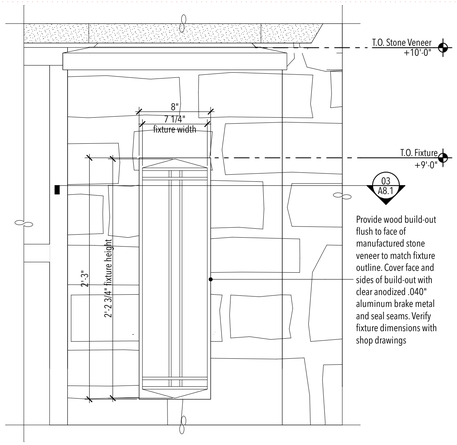
MILLWORK DETAILS

A6.3



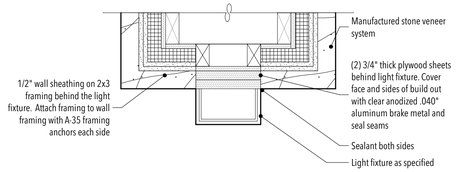
COLUMN DETAIL

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



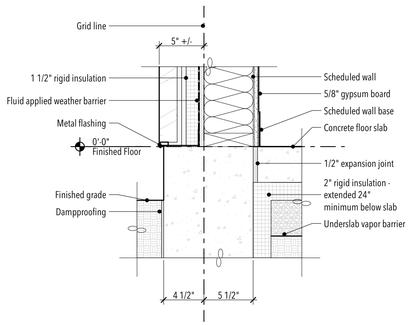
SCONCE ELEVATION

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



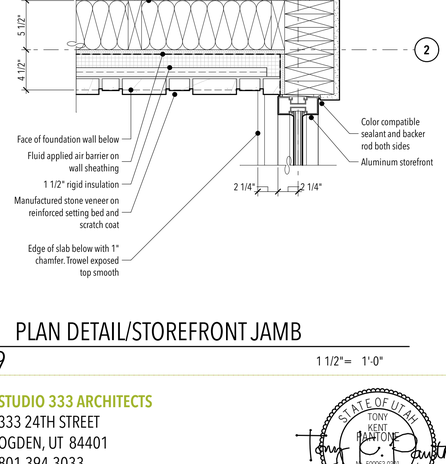
SCONCE PLAN/SECTION

03 1 1/2"= 1'-0"



TYPICAL FOUNDATION DETAIL

04 1 1/2"= 1'-0"



TYPICAL FASCIA DETAIL

05 1 1/2"= 1'-0"

PLAN DETAIL/STOREFRONT JAMB

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

PLAN DETAIL/STOREFRONT JAMB

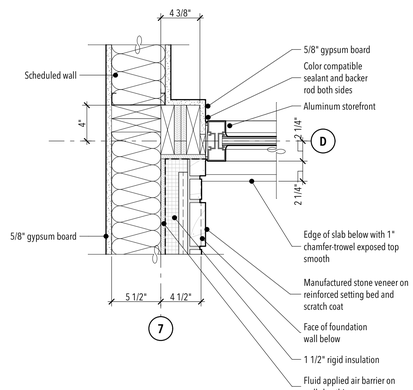
07 1 1/2"= 1'-0"

PLAN DETAIL/STOREFRONT JAMB

08 1 1/2"= 1'-0"

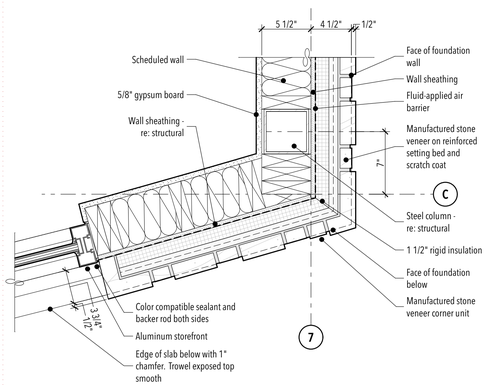
PLAN DETAIL/STOREFRONT JAMB

09 1 1/2"= 1'-0"



PLAN DETAIL/STOREFRONT JAMB

10 1 1/2"= 1'-0"



PLAN DETAIL/CURVED

11 1 1/2"= 1'-0"

STUDIO 333 ARCHITECTS
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STATE OF UTAH
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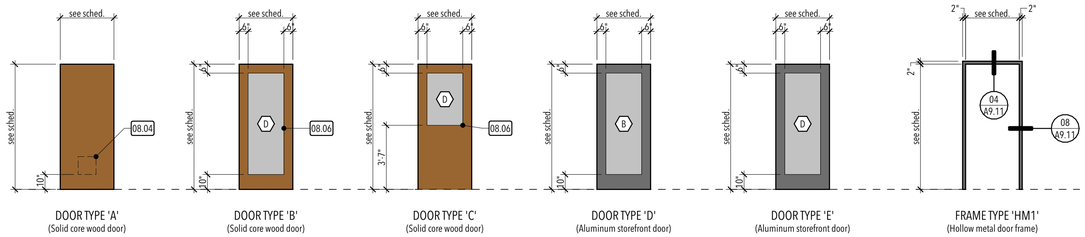
GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

MISCELLANEOUS DETAILS A8.1

DOOR SCHEDULE																		
NO.	ID	ROOM NAME	DOOR							WALL WIDTH	FRAME				DETAILS			HDWR.	REMARKS
			WIDTH x HEIGHT	THICK.	TYPE	CONST.	FINISH	GLASS	RATING		WIDTH	TYPE	CONST.	FINISH	HEAD	JAMB	SILL		
100	A	VESTIBULE	6'-0"×8'-0"	1 3/4"	D	AL	ANODIZED	B	-	11 5/8"	4 1/2"	-	AL	ANODIZED	04/A4.2	07/A8.1	08/A9.12	AL2	-
100	B	VESTIBULE	6'-0"×8'-0"	1 3/4"	E	AL	ANODIZED	D	-	6 3/4"	4 1/2"	-	AL	ANODIZED	04/A4.2	08/A8.1	08/A9.12	AL3	Sill detail similar
103	A	ELEC./I.T. ROOM	3'-0"×7'-0"	1 3/4"	A	WD	STAIN	-	-	4 7/8"	5 7/8"	HM1	HM	PAINT	04/A9.11	08/A9.11	06/A1.31	8	Provide 12" x 12" door grille
104	A	DRIVE-UP TELLERS	3'-0"×7'-0"	1 3/4"	A	WD	STAIN	-	-	4 7/8"	5 7/8"	HM1	HM	PAINT	04/A9.11	08/A9.11	-	8	
105	A	CUSTODIAL	3'-0"×7'-0"	1 3/4"	C	WD	STAIN	D	-	4 7/8"	5 7/8"	HM1	HM	PAINT	04/A9.11	08/A9.11	-	2	-
107	A	MEN	3'-0"×7'-0"	1 3/4"	A	WD	STAIN	-	-	4 7/8"	5 7/8"	HM1	HM	PAINT	04/A9.11	08/A9.11	03/A1.31	4	
108	A	WOMEN	3'-0"×7'-0"	1 3/4"	A	WD	STAIN	-	-	4 7/8"	5 7/8"	HM1	HM	PAINT	04/A9.11	08/A9.11	03/A1.31	4	-
109	A	BREAK ROOM	3'-0"×7'-0"	1 3/4"	A	WD	STAIN	-	-	4 7/8"	8 1/4"	HM1	HM	PAINT	04/A9.11	08/A9.11	06/A1.31	5	-
110	A	MECHANICAL	3'-0"×7'-0"	1 3/4"	A	WD	STAIN	-	-	4 7/8"	5 7/8"	HM1	HM	PAINT	04/A9.11	08/A9.11	03/A1.31	9	-
111	A	MANAGER	3'-0"×8'-0"	1 3/4"	B	WD	STAIN	D	-	4 7/8"	4 1/2"	-	AL	ANODIZED	-	04/A9.12	-	6	Use floor stop
112	A	HALLWAY	3'-0"×8'-0"	1 3/4"	D	AL	ANODIZED	B	-	11 5/8"	4 1/2"	-	AL	ANODIZED	-	10/A9.11	8/A9.12	AL1	-
113	A	OFFICE	3'-0"×8'-0"	1 3/4"	B	WD	STAIN	D	-	4 7/8"	4 1/2"	-	AL	ANODIZED	-	12/A9.11	-	6	-
114	A	CONFERENCE	3'-0"×8'-0"	1 3/4"	B	WD	STAIN	D	-	4 7/8"	4 1/2"	-	AL	ANODIZED	-	12/A9.11	-	6	-



DOOR TYPE 'A' (Solid core wood door)

DOOR TYPE 'B' (Solid core wood door)

DOOR TYPE 'C' (Solid core wood door)

DOOR TYPE 'D' (Aluminum storefront door)

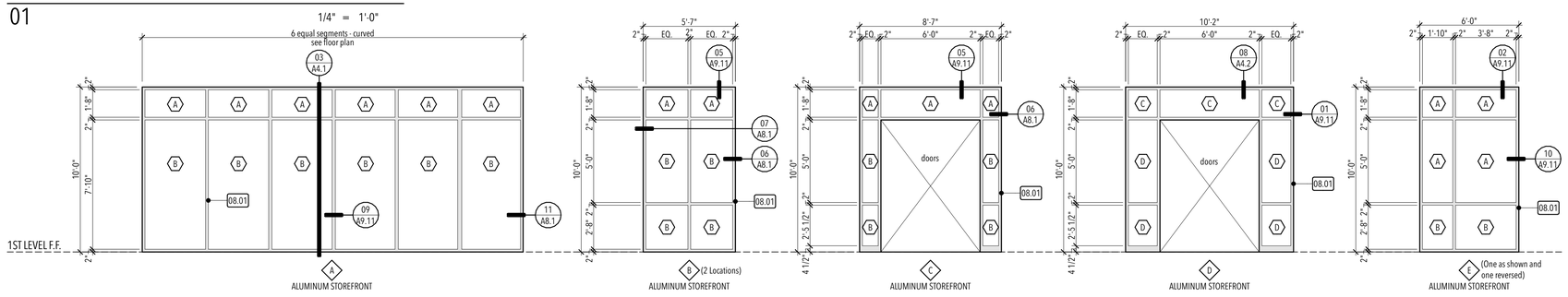
DOOR TYPE 'E' (Aluminum storefront door)

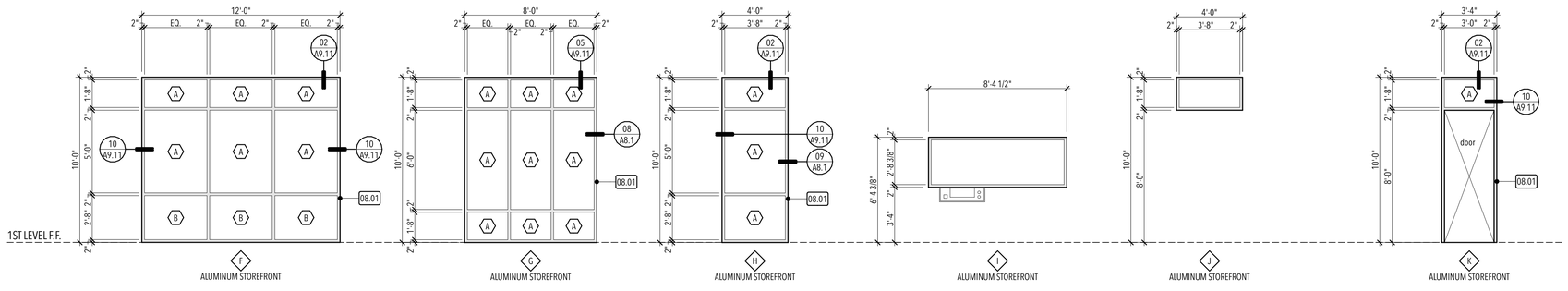
FRAME TYPE 'HM1' (Hollow metal door frame)

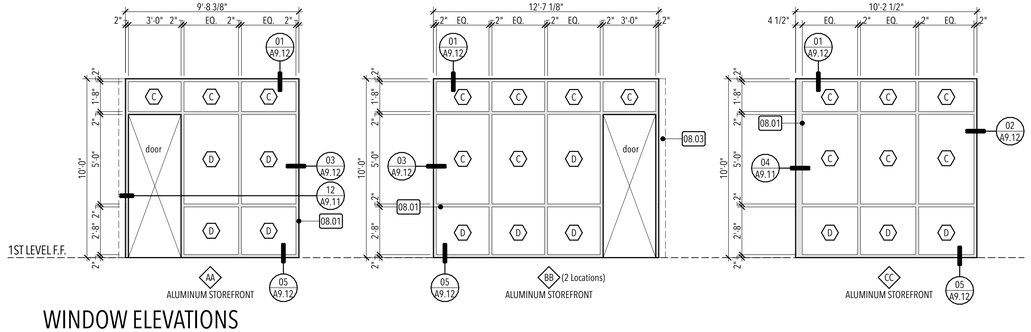
DOOR & FRAME ELEVATIONS

01

1/4" = 1'-0"







WINDOW ELEVATIONS

02

1/4" = 1'-0"

STUDIO 333

DOOR & FRAME NOTES:

1. Material and system abbreviations:
   WD = Wood
   AL = Aluminum
   HM = Hollow Metal
2. See specifications for hardware group definition.
3. All hollow metal frames that are located at an exterior wall shall be 16 ga. construction and galvanized.
4. All hollow metal doors that are located at an exterior wall shall be 14 ga. construction, insulated and galvanized.
5. Rough opening dimensions are given for reference - refer to window details for jamb and sill conditions. Overall dimensions are to be field verified.
6. General Contractor to coordinate work between the door installer and security system installer.
7. Paint all hollow metal frames.
8. Provide 3 beads of sealant at the head and jambs and 2 beads of sealant at the sill of all exterior aluminum frames.
9. Provide anodized aluminum angle brake metal at jambs of exterior windows and door frames where adjacent to manufactured stone veneer to accomodate varying depths of the stone. Brake metal finish shall match storefront. See details.

WINDOW NOTES:

1. All aluminum frames shall have standard manufacturer's clear (bronze, dark bronze, black) anodized finish.
2. Provide 3 beads of sealant at the head and jambs and 2 beads of sealant at the sill of all exterior aluminum frames.
3. All window dimensions are to exterior F.O. frame, not to rough openings.
4. Provide square glazing stops at all glazing systems.
5. The glazing contractor shall be responsible to field verify all dimensions prior to purchasing or fabricating any glazing system components.
6. Re: Door and Frame Elevations for glazing designations at doors.
7. Overall aluminum frame dimensions are given for reference - refer to window details for jamb and sill conditions. Overall dimensions are to be field verified.
8. U-factor ratings for windows, doors and skylights shall be determined in accordance with NFRC 100 and as required by IECC C303.1.3. U-factors shall be determined by an accredited, independent laboratory, and shall be labeled and certified by the manufacturer.

KEYED NOTES:

08.01 Pre-finished aluminum storefront system
08.03 Corner storefront frame member where occurs at Manager 111 - re: 04/A9.12
08.04 12" X 12" door grille at door 103A only
08.06 5/8" hardwood stops to match door species and finish. Set stops flush to face of door each side

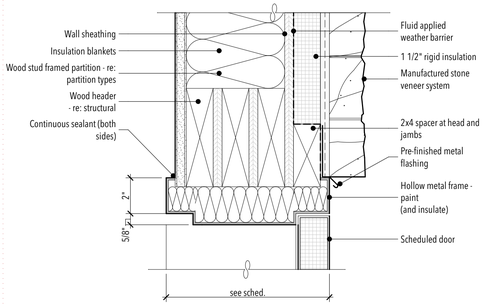
GLAZING TYPE LEGEND	
MARK	DESCRIPTION
A	1" thick insulated glass, low-e solarban 60
B	1" thick insulated glass, low-e solarban 60, tempered both lites
C	1/4" float glass
D	1/4" tempered glass
E	1/4" tempered glass, matelux (at millwork)

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305
SCALE: 1/4" = 1'-0"

STATE OF UTAH TONY KENT PAINTONE No. 500963-0320 09.16.24 LICENSED ARCHITECT

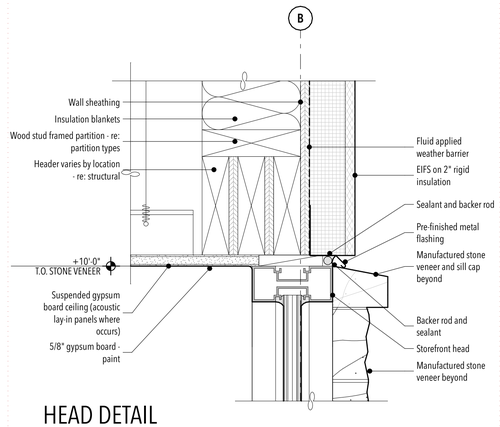
DOOR SCHEDULE & WINDOW ELEVATIONS

A9.1



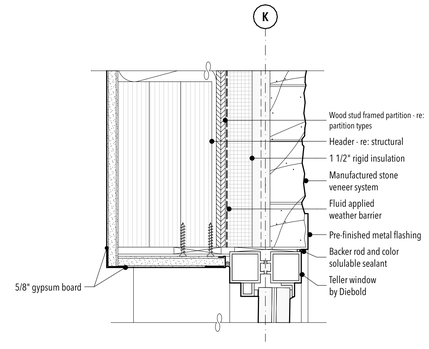
HEAD DETAIL

01 3" = 1'-0"



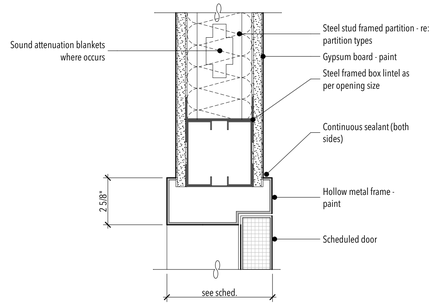
HEAD DETAIL

02 3" = 1'-0"



HEAD/JAMB DETAIL @ TELLER WINDOW

03 3" = 1'-0"



HEAD DETAIL

04 3" = 1'-0"

HEAD DETAIL

05 3" = 1'-0"

SILL DETAIL

06 3" = 1'-0"

SILL DETAIL @ TELLER WINDOW

07 3" = 1'-0"

JAMB DETAIL

08 3" = 1'-0"

WALL TO STOREFRONT DETAIL

09 3" = 1'-0"

JAMB DETAIL

10 3" = 1'-0"

CORNER JAMB DETAIL

11 3" = 1'-0"

JAMB DETAIL

12 3" = 1'-0"

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
801.394.3033

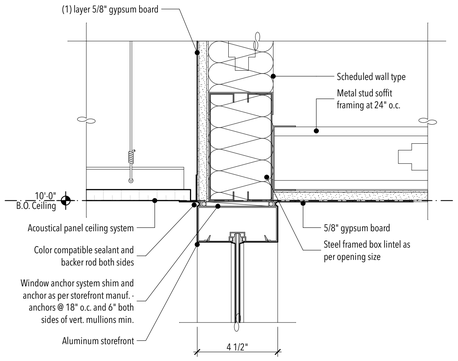
STATE OF UTAH
TONY KENT PANTONE
No. 5005630-0301
09.16.24
LICENSED ARCHITECT

GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

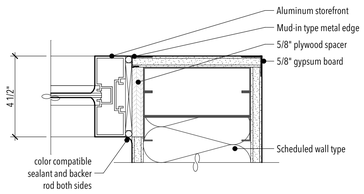
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

OPENING DETAILS A9.11



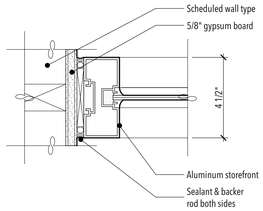
HEAD DETAIL

01 3" = 1'-0"



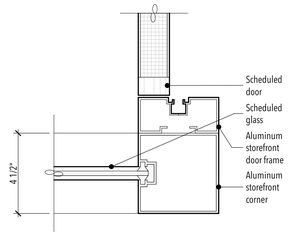
JAMB DETAIL

02 3" = 1'-0"



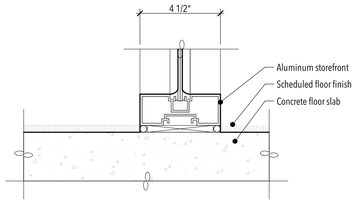
JAMB DETAIL

03 3" = 1'-0"



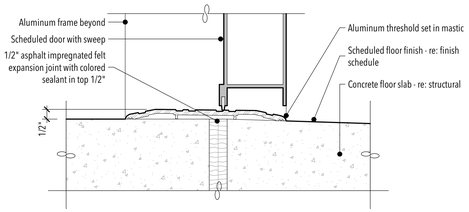
JAMB DETAIL

04 3" = 1'-0"



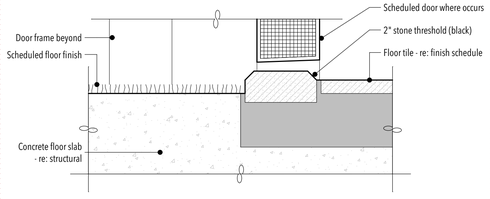
SILL DETAIL

05 3" = 1'-0"



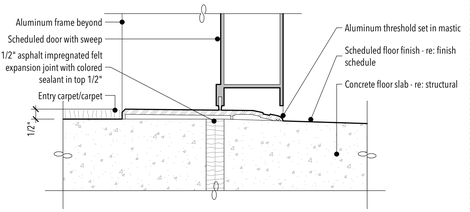
TYP. EXTERIOR THRESHOLD

06 6" = 1'-0"



STONE THRESHOLD DETAIL

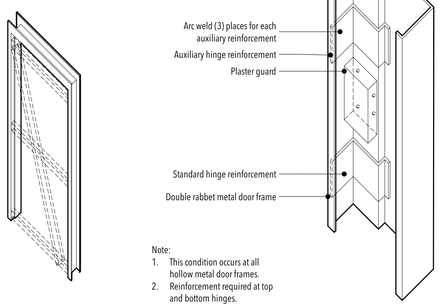
07 6" = 1'-0"



TYP. THRESHOLD @ CARPET

08 6" = 1'-0"

Installation Note:
Provide requried stretchers, braces, plywood door blank, and/or other to assure door frame remains plumb and square without twists, bends, or bowing during installation.



Note:
1. This condition occurs at all hollow metal door frames.
2. Reinforcement required at top and bottom hinges.

TYP. H.M. FRAME DETAIL

09 1" = 1'-0"

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GOLDENWEST CREDIT UNION - PAYSON BRANCH
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OPENING DETAILS A9.12

STUDIO 333

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SCALE: 1:3.14

RENDERING

A10.1

STUDIO 333

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SCALE: 1:3.14

RENDERING **A10.2**

STUDIO 333

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GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

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BID SET
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SCALE: 1:3.14

RENDERING

A10.3

STUDIO 333

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GOLDENWEST CREDIT UNION - PAYSON BRANCH
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SCALE: 1:3.14

RENDERING **A10.4**

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GOLDENWEST CREDIT UNION - PAYSON BRANCH
800 SOUTH AND 800 WEST , PAYSON, UT

NO.	DATE	DESCRIPTION

BID SET
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SCALE: 1:3.14

RENDERING

STRUCTURAL NOTES :

A. GENERAL

1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
2. THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC).
3. THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANTS DRAWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
4. SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS. PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
6. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS.
8. OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
9. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS.
10. TYPICAL OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT NECESSARILY DETAILS LABELED "TYPICAL" OR "SIMILAR" IN THE PLANS AND DOCUMENTS.
11. DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM; HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED. DESIGN OF ALL SHORING AND BRACING IS BY OTHERS AT NO ADDITIONAL COST TO THE OWNER.
13. ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS PRESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE DOCUMENTS.
14. NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW ENGINEERS, ALL RIGHTS RESERVED. THESE DOCUMENTS ARE NOT TO BE A STRUCTURE AND ARE INSTRUMENTS OF SERVICE, FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
15. WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.11 AND 1705.12 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SHEET S0.4 AND S0.5.
2. SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.
3. ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS. REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR, ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
4. STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED CONSTRUCTION.
5. IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR 'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

1. GOVERNING BUILDING CODE : INTERNATIONAL BUILDING CODE (IBC) 2021
   RISK CATEGORY : II
2. ROOF LOADS
   a. FLAT-ROOF SNOW LOAD, P_f : 30 PSF AT BUILDING, 36 PSF AT DRIVE THROUGH CANOPY
      1. GROUND SNOW LOAD, P_g : 43 PSF
      2. SNOW EXPOSURE FACTOR, C_e : 1.0
      3. SNOW LOAD IMPORTANCE FACTOR, I_s : 1.0
      4. THERMAL FACTOR, C_t : 1.0 AT BUILDING; 1.2 AT DRIVE THROUGH CANOPY
      5. SLOPE FACTOR, C_S : 1.0
      6. SNOW DRIFT : SHOWN ON PLANS WHERE APPLICABLE.
   b. LIVE LOAD = 20 PSF
   c. DEAD LOAD = 15 PSF
3. WIND DESIGN
   a. BASIC WIND SPEED (3 SECOND GUST) : 102 MPH
   b. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} : 89 MPH
   c. WIND EXPOSURE : C
   d. INTERNAL PRESSURE COEFFICIENT, G_{CPI} : +/- 0.18
   e. COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-16.
4. SEISMIC DESIGN :
   a. SEISMIC IMPORTANCE FACTOR, I_E : 1.0
   b. SITE CLASS : D, DEFAULT
   c. MAPPED SPECTRAL RESPONSE ACCELERATIONS : S_S = 1.746g , S_1 = 0.645g
   d. SPECTRAL RESPONSE COEFFICIENTS : S_{DS} = 1.397g , S_{D1} = 0.731g
   e. SEISMIC DESIGN CATEGORY : D
   f. BASIC SEISMIC-FORCE-RESISTING SYSTEM : WOOD SHEAR WALLS; STEEL SPECIAL CANTILEVERED COLUMNS
   g. DESIGN BASE SHEAR : V = 0.215 x Wt AT WOOD SHEAR WALLS , V = 0.559 x Wt AT CANTILEVERED COLUMNS
   h. SEISMIC RESPONSE COEFFICIENT, C_S : 0.215 AT SHEAR WALLS; C_S : 0.559 AT CANTILEVERED COLUMNS
   i. RESPONSE MODIFICATION FACTOR, R : 6.5; 2.5
   j. ANALYSIS PROCEDURE : ELF

D. FOUNDATION

1. GENERAL
   a. DESIGN SOIL PRESSURE : 3000 PSF
   b. SOILS REPORT BY : GSH GEOTECHNICAL, INC.
      REPORT # : 0645-016-22
      DATED : FEBRUARY 7, 2022
   c. SOIL PREPARATION UNDER FOUNDATIONS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE SOILS REPORT.
   d. TOP OF FOOTING ELEVATIONS SHOWN ON THE FOOTING AND FOUNDATION PLAN ARE BASED ON PRELIMINARY GRADING INFORMATION AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. STEPS WHERE SHOWN ARE AT APPROXIMATE LOCATIONS. ACTUAL STEP LOCATIONS SHALL BE AT THE CONTRACTOR'S DISCRETION BASED UPON FIELD CONDITIONS. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 30 INCHES BELOW LOWEST ADJACENT FINAL GRADE.
   e. ALL WALLS (EXCEPT CANTILEVERED RETAINING WALLS) SHALL BE ADEQUATELY BRACED AGAINST LATERAL MOVEMENT PRIOR TO BACKFILLING. DESIGN AND ERECTION OF BRACING/SHORING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. BRACING SHALL REMAIN IN PLACE UNTIL SUPPORTING STRUCTURAL ELEMENTS ARE IN PLACE AND HAVE ATTAINED FULL STRENGTH.
   f. UNLESS NOTED OTHERWISE, ALL FOOTINGS AT COLUMNS SHALL BE CENTERED BELOW COLUMNS.
   g. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL HAVE VERTICAL FACES FORMED WITH STANDARD FORMING MATERIALS (WOOD, METAL, ETC.). WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER, CONCRETE FOR FOOTINGS CAN BE PLACED IN EXCAVATED SOIL "FORMS" PROVIDED THAT THE DIMENSIONS ARE INCREASED 3" ON ALL SIDE.

E. CONCRETE

1. ALL CONCRETE MIX DESIGNS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS LISTED BELOW :
   a. FOOTINGS, GRADE BEAMS, FOUNDATION WALLS :
      1. WHERE THE TOP OF THE ELEMENT IS EXPOSED OR IS LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F2) :
         a. 28 DAY COMPRESSIVE STRENGTH : 4500 PSI
         b. MAXIMUM W/C RATIO : 0.45
         c. MAXIMUM AGGREGATE SIZE : 1"
         d. AIR CONTENT : 4.5% +/- 1.5%
      2. WHERE THE TOP OF THE ELEMENT IS NOT EXPOSED OR IS NOT LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F0) :
         a. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   b. INTERIOR SLABS ON GRADE (EXPOSURE CATEGORY F0) WITH 6" OR MORE OF ROAD BASE BELOW SLAB :
      1. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   c. INTERIOR WITH LESS THAN 6" OF ROAD BASE BELOW OR EXTERIOR SLABS (DOCKS, ETC.) (EXPOSURE CATEGORY S3) :
      1. 28 DAY COMPRESSIVE STRENGTH : 4500 PSI
      2. MAXIMUM W/C RATIO : 0.45
      3. MAXIMUM AGGREGATE SIZE : 1"
      4. MINIMUM AIR CONTENT : 4.5% +/- 1.5%
2. WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602.
3. NO PIPES, DUCTS, SLEEVES, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS THRU STRUCTURAL CONCRETE ELEMENTS MUST BE APPROVED BY THE ENGINEER AND SHALL BE BUILT INTO THE ELEMENT PRIOR TO CONCRETE PLACEMENT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, ETC. TO BE CAST IN TO CONCRETE, AND FOR EXTENT AND LOCATION OF DEPRESSIONS, CURBS, RAMPS, ETC.
5. UNLESS NOTED OTHERWISE, MINIMUM REINFORCING IN ALL CONCRETE FOUNDATION WALLS SHALL BE AS FOLLOWS:

THICKNESS	TOP & BOTTOM BARS	VERTICAL	HORIZONTAL
6"	(1) #5	#4 AT 18"O.C.	#4 AT 16"O.C.
8"	(2) #5	#4 AT 18"O.C.	#4 AT 12"O.C.
10"	(2) #5	#4 AT 12"O.C.	#5 AT 12"O.C.
12"	(2) #5	#4 AT 18"O.C. EA FACE	#4 AT 16"O.C. EA FACE

6. UNLESS NOTED OTHERWISE, CONCRETE SLABS ON EARTH SHALL BE REINFORCED AS FOLLOWS: 4 " THICK UNREINFORCED.
7. UNLESS NOTED OTHERWISE, FOR NON-DETAILED OPENINGS IN CONCRETE WALLS LARGER THAN 12 " AND SMALLER THAN 24" IN ANY DIRECTION ADD (2) #5 BARS ON ALL SIDES IN ADDITION TO REGULAR WALL REINFORCING AND EXTEND EACH BAR BEYOND OPENING. IF 24" IS NOT AVAILABLE ON EVERY SIDE, NOTIFY STRUCTURAL ENGINEER FOR FURTHER DIRECTION. OPENINGS SHALL HAVE A MINIMUM OF 12" OF CONCRETE ABOVE THE OPENING, TYP.
8. CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE MADE AND LOCATED SO AS TO NOT IMPAIR THE STRENGTH OF THE STRUCTURE AND AS APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE 2 X 4 (SHAPED) KEYWAY IN ALL VERTICAL AND HORIZONTAL JOINTS UNLESS NOTED OR DETAILED OTHERWISE. ALL STEEL REINFORCING SHALL BE CONTINUOUS THROUGH COLD JOINTS UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS FOR COLD/CONSTRUCTION JOINTS FOR SLABS ON GRADE.
9. WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE JOINT SHALL BE CLEAN AND FREE OF LAITANCE. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE PREWETTED AND STANDING WATER REMOVED.

F. ANCHOR BOLTS/EMBEDDED BOLTS

1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-436 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS FOR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING :
   a. AT WOOD STUD WALLS - ASTM A-307 GRADE HEADED BOLTS. ANCHOR BOLTS IN TREATED LUMBER SHALL BE GALVANIZED OR STAINLESS STEEL. SEE TIMBER NOTES FOR MORE INFORMATION.
   b. AT ALL OTHER ANCHOR BOLTS (UNLESS NOTED OTHERWISE) - ASTM F1554 GRADE 36 HEADED BOLTS. (ASTM A36 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)
2. EMBEDDED BOLTS IN MASONRY SHALL BE (UNLESS NOTED OTHERWISE) ASTM A-307 GRADE HEADED BOLTS.
3. SEE TYPICAL ANCHOR BOLT DETAIL FOR DEFINITIONS OF EMBEDMENT LENGTH, ETC.
4. FURNISH TEMPLATES AND OTHER DEVICES AS NECESSARY FOR PRESETTING ALL BOLTS PRIOR TO PLACING CONCRETE AND/OR GROUT.
5. IF THREADED RODS ARE USED AS PERMITTED ABOVE, THEY SHALL BE CLEAR OF SOIL AND DIRT.
6. WHERE REQUIRED FOR ERECTION, HOLES LARGER THAN OVERSIZED MAY BE PERMITTED WITH THE USE OF STEEL PLATE WASHERS AT THE DISCRETION OF THE STRUCTURAL ENGINEER.

G. ADHESIVE/MECHANICAL ANCHORS

1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
3. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IAPMO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN INTENT.
4. ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IAPMO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
5. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.
6. UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 24 HOURS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN WET OR DAMP HOLES.
7. CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) RELATIVE TO SUBSTRATE TEMPERATURE.
8. 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 IN ACCORDANCE WITH ACI 318-11 D.9.2.2. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS.
9. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE:
   a. HILTI HIT-RE 500V3 (ESR-3814), OR HILTI HIT-HY 200-A (ESR-3187).
   b. SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-0263).
   c. DEWALT PURE 110+ (ESR-3298), OR AC200+ GOLD (ESR-4027-COLD WEATHER).
10. UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI KWIK BOLT TZ (ESR-1917).
    b. SIMPSON STRONG-BOLT 2 (ESR-3037).
11. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
    a. SIMPSON TITEN HD (ESR-2713).
    b. DEWALT SCREWBOLT+ (ESR-2526).
    c. HILTI KWIK HUS-EZ (ESR-3027).
12. ALL MASONRY CELLS WITHIN 8" OF THE ANCHOR SHALL BE SOLID GROUTED.
13. THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
14. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 1 INCH, WHICH EVER IS LARGER, OF SOUND CONCRETE BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. AT CONTRACTORS OPTION, LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
15. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

H. REINFORCING STEEL

1. REINFORCING BAR STRENGTH REQUIREMENTS:
   a. ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-1064 AND SHALL BE SUPPLIED IN FLAT SHEETS. ADEQUATELY TIE AND SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 117, TO MAINTAIN EXACT REQUIRED POSITION.
2. HEADED SHEAR STUD ASSEMBLIES SHALL CONFORM TO ASTM A1044.
3. STEEL DISCONTINUOUS FIBER REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO ASTM A820 AND SHALL HAVE A LENGTH TO DIAMETER RATIO NOT SMALLER THAN 50 AND NOT GREATER THAN 100.
4. HEADED DEFORMED BAR ANCHORS SHALL CONFORM TO ASTM A970. OBSTRUCTIONS OR INTERRUPTIONS OF THE BAR DEFORMATIONS, IF ANY, SHALL NOT EXTEND MORE THAN 2 BAR DIAMETERS FROM THE BEARING FACE OF THE HEAD.
5. ALL REINFORCING STEEL SHALL BE TIED IN PLACE AND ADEQUATELY SUPPORTED PRIOR TO PLACING CONCRETE. WET STABBING OF ANY REINFORCING STEEL IS NOT PERMITTED, UNLESS SPECIFICALLY DETAILED OTHERWISE OR APPROVED BY THE ENGINEER.
6. ALL FIELD BENT DOWELS SHALL BE GRADE 40 WITH SPACING INDICATED REDUCED BY 1/3.
7. UNLESS NOTED OTHERWISE, REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVERAGE :
   a. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ..... 3"
   b. EXPOSED TO EARTH OR WEATHER :
      1. #6 & LARGER ..... 2"
      2. #5 & SMALLER .....1-1/2"
   c. NOT EXPOSED TO WEATHER OR EARTH :
      1. SLABS, WALLS, JOISTS, #11 & SMALLER ..... 3/4"
      2. BEAMS, COLUMNS: MAIN REINFORCING OR TIES ..... 1-1/2"
   d. SLAB ON GRADE :
      1. PLACE REINFORCING AT CENTER OF SLAB UNLESS INDICATED OTHERWISE.
8. EXCEPT WHERE NOTED ON PLANS OR DETAILS CONTINUOUS REINFORCEMENT SHALL BE SPLICED AT POINTS OF MINIMUM STRESS BY LAPPING PER THE REBAR LAP SCHEDULE.
9. REINFORCING STEEL MAY BE SPLICED WITH MECHANICAL COUPLERS THAT HAVE A TENSION CAPACITY OF AT LEAST 125% OF THE STRENGTH OF THE BAR. MECHANICAL COUPLERS SHALL BE A POSITIVE CONNECTING TYPE COUPLER, AND SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED ICC RESEARCH REPORT. WHERE THESE ARE USED, SPLICES ON ADJACENT BARS SHALL BE STAGGERED AT LEAST 24 INCHES ALONG THE LENGTH OF THE BARS.
10. ALL VERTICAL REINFORCING IN STRUCTURAL ELEMENTS ABOVE SHALL BE SPLICED WITH MATCHING DOWELS EMBEDDED WITHIN THE FOOTINGS OR STRUCTURE BELOW. SPLICE LENGTHS SHALL COMPLY WITH REBAR LAP SCHEDULE. DOWELS INTO FOOTINGS SHALL TERMINATE WITH A STANDARD HOOK, AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING, BUT NEED NOT EXTEND MORE THAN 20" INTO FOOTING.
11. DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS, WHERE REINFORCING IS WELDED, USE ASTM A-706 REINFORCING.
12. REINFORCING BARS, TIES, AND TENDONS SHALL BE SUPPORTED BY NYLON CONES, PLASTIC-COATED TIE-WIRES, OR PLASTIC-COATED CHAIRS. REINFORCING IN FOOTINGS IS PERMITTED TO BE SUPPORTED ON CONCRETE DOBIES.
13. UNLESS NOTED OTHERWISE, HOOKS, STIRRUPS, TIES, AND OTHER BENDS IN REINFORCING STEEL SHALL MEET THE STANDARDS SET FORTH IN ACI 318/318R-14. UNLESS OTHERWISE PERMITTED BY THE ENGINEER, ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, EXCEPT AS SHOWN ON THESE DRAWINGS OR OTHERWISE PERMITTED BY THE ENGINEER.
14. UNLESS SPECIFICALLY NOTED AND/OR DETAILED IN THE STRUCTURAL DRAWINGS CONDUIT SHALL NOT BE IN CONTACT WITH REINFORCING STEEL.

STRUCTURAL NOTES CONTINUED ON SHEET S0.2

STUDIO 333

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NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

STRUCTURAL NOTES S0.1

I. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING:
   a. ANSI/AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", WITH "COMMENTARY" AND "SUPPLEMENTS" AS REQUIRED BY BUILDING CODE.
   b. AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES " EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, AND 4.4.2.
   c. AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS ".
   d. AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
   e. AWS D1.1 AND 1.3, "STRUCTURAL WELDING CODE " (EXCEPT SPECIFIC ITEMS DO NOT APPLY IF THEY CONFLICT WITH AISC).
   f. ANSI/AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS".
   g. AWS D1.8, "STRUCTURAL WELDING CODE - SEISMIC".
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING:
   a. WIDE FLANGE SHAPES AND WT SHAPES - ASTM A992
   b. OTHER SHAPES AND PLATES - ASTM A-36 (UNO)
   c. HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A-500, GRADE C FOR SQUARE, RECTANGULAR AND ROUND SHAPES (FY = 50 KSI FOR SQUARE AND RECTANGULAR SHAPES AND 46 KSI FOR ROUND SHAPES)
   d. STAINLESS STEEL SHAPES, PLATES, AND FASTENERS – ASTM 304
   e. DEFORMED BAR ANCHORS (DBA) - ASTM A-496, WELDED IN ACCORDANCE WITH AWS D1.1
   f. HEADED STUD ANCHORS (HSA) - ASTM A-108, GRADE 1015 STEEL AND WELDED IN ACCORDANCE WITH AWS D1.1 FOR TYPE "B". USE 3/4" DIAMETER STUDS, UNLESS NOTED OTHERWISE.
   g. THREADED ROD - ASTM A-449.
   h. NON-SHRINK GROUT - ASTM C110. NON-SHRINK GROUT SHALL BE PRE-PACKAGED, NON-METALLIC, WITH A 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI.
3. CONNECTIONS SHALL COMPLY WITH THE STRUCTURAL DRAWINGS UNLESS WRITTEN APPROVAL TO CHANGE IS GIVEN BY THE STRUCTURAL ENGINEER.
4. ALL SHOP FABRICATIONS SHALL BE PERFORMED BY AN APPROVED FABRICATOR IN ACCORDANCE WITH SECTIONS 1702 AND 1704 OF THE IBC OR WITH SHOP INSPECTION BY AN INDEPENDENT AGENCY IN ACCORDANCE WITH SECTION 1704.2.5 OF THE IBC.
5. WELDING
   a. ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS QUALIFIED WELDERS IN ACCORDANCE WITH ANSI/AWS D1.1 (LATEST EDITION).
   b. USE E-70XX ELECTRODES UNLESS NOTED OTHERWISE. E-60XX MAY BE USED FOR WELDING STEEL DECKS.
   c. ALL INTERSECTING STEEL SHAPES WHICH ARE NOT CONNECTED WITH BOLTS SHALL BE WELDED TOGETHER WITH A FILLET WELD ALL AROUND UNLESS NOTED OTHERWISE. WHERE WELD SIZES ARE NOT SHOWN, USE THE FOLLOWING:
      1. WHERE THE THICKNESS OF THE CONNECTED PARTS IS EQUAL TO OR THICKER THAN 1/4 ", WELD SIZE SHALL BE 1/16" LESS THAN THE THICKNESS OF THE THINNEST PART.
      2. WHERE ANY OF THE CONNECTED PARTS IS LESS THAN 1/4 " THICK, WELD SIZE SHALL BE THE SAME AS THE THICKNESS OF THE THINNEST PART.
   d. WELDING OF HSA'S (HEADED STUD ANCHORS) AND DBA 'S (DEFORMED BAR ANCHORS) SHALL CONFORM TO THE MANUFACTURER 'S SPECIFICATIONS AND AWS D1.1 REINFORCING BARS SHALL NOT BE SUBSTITUTED FOR HSA'S OR DBA'S.
   e. WHEREVER POSSIBLE, WELDS SHALL BE SHOP WELDS. SPECIAL CONSIDERATIONS, SUCH AS ITEMS WHICH MAY NEED ADJUSTMENT AT THE SITE, REQUIRE THAT SOME WELDS BE FIELD WELDS. WHERE QUESTIONS OR DISCREPANCIES OCCUR THE CONTRACTOR SHALL COORDINATE THE WORK BETWEEN THE SHOP FABRICATOR AND THE STEEL ERECTOR.
   f. SPECIAL PROVISIONS FOR SFRS (SEISMIC FORCE RESISTING SYSTEM):
      1. ALL WELDS DESIGNATED AS DEMAND CRITICAL WELDS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSES 6.1, 6.2, AND 6.3 OF AWS D1.8.
      2. ALL OTHER WELDS THAT ARE PART OF THE SFRS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSE 6.1 OF AWS D1.8.
      3. BUTT WELDS IN MEMBERS WITH DIFFERENT THICKNESSES, SUCH AS COLUMN SPLICES, SHALL BE TAPERED AND MADE IN SUCH A MANNER THAT THE TRANSITION DOES NOT EXCEED 1 IN 2-1/2 INCHES. THE TRANSITION SHALL BE ACCOMPLISHED BY CHAMFERING THE THICKER PART, TAPERING THE WIDER PART, SLOPING THE WELD METAL OR BY A COMBINATION OF THESE
6. BOLTING
   a. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE HIGH STRENGTH BOLTS CONFORMING TO ASTM F3125 GR. A325.
   b. UNLESS NOTED OTHERWISE, ALL BOLTING IS CLASSIFIED AS NON-SLIP CRITICAL BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE. TIGHTEN BOLTS TO A SNUG TIGHT CONDITION, WITH ALL PLIES OF THE JOINT IN FIRM CONTACT.
   c. WHERE OVERSIZED OR SLOTTED HOLES OCCUR IN THE OUTER PLY, AN ASTM F436 WASHER OR 5/16" THICK COMMON PLATE WASHER SHALL BE USED AS REQUIRED TO COMPLETELY COVER THE HOLE.
   d. BOLTS SHALL BE CENTERED IN SLOTTED HOLES, UNLESS NOTED OTHERWISE.
   e. WHERE A STEEL BEAM TO BEAM CONNECTION IS NOT SHOWN, PROVIDE AN AISC STANDARD FRAMED CONNECTION SIZED FOR 1/2 OF THE TOTAL LOAD CAPACITY OF THE BEAM FOR THE SPAN AND STEEL SPECIFIED.
7. UNLESS NOTED OTHERWISE, WHERE STEEL BEAMS SUPPORT WOOD FRAMING OR WOOD SHEATHING, PROVIDE A CONTINUOUS DOUBLE 2x OR SINGLE 3x NAILER PLATE ON THE TOP OF THE BEAM THAT EXTENDS AT LEAST THE FULL WIDTH OF THE BEAM FLANGE. ATTACH NAILER PLATES TO WIDE-FLANGE BEAMS WITH 1/2" DIAMETER THRU BOLTS AT 24"O.C. - STAGGERED. COUNTER-SINK HEAD OF BOLTS INTO TOP OF NAILER PLATE TO PROVIDE A FLUSH BEARING SURFACE.
8. ALL COLUMNS ADJACENT TO OR EMBEDDED IN WOOD STUD WALLS SHALL HAVE (1) 1/2 " DIAMETER X 3-1/2" THREADED STEEL ROD SHOP-WELDED TO THE FACE OF THE COLUMN AT 24 "O.C. AND EXTENDING EACH WAY INTO THE ADJACENT STUD WALLS. ATTACH ADJACENT WOOD WALL STUDS TO STEEL COLUMN WITH STANDARD NUT AND WASHER AS REQUIRED.
9. PROVIDE FULL DEPTH WEB STIFFENER PLATES AT EACH SIDE OF STEEL BEAMS AT ALL BEARING (EXCEPT SECONDARY FRAMING) POINTS. STIFFENER PLATES SHALL BE THICKNESS SHOWN UNLESS NOTED OTHERWISE AND SHALL BE WELDED BOTH SIDES WITH FILLET WELDS ALL AROUND.

FLANGE WIDTH	STIFFENER THICKNESS	WELD THICKNESS
< 8 1/4"	1/4"	3/16"
8 1/4" < BF < 12 1/2"	3/8"	1/4"
12 1/2" < BF < 18"	1/2"	5/16"

10. FABRICATORS AND SUPPLIERS SHALL COORDINATE PAINT/FINISHES WITH REQUIREMENTS FOR DIRECT APPLIED INSULATION, FIREPROOFING, ETC. AS NOTED IN THE PROJECT SPECIFICATIONS.
11. WHEN DETERMINING THE FIRE RESISTANCE OF ASSEMBLIES, USE THE FOLLOWING: STEEL ROOF MEMBERS ARE CONSIDERED UN-RESTRAINED AND STEEL FLOOR FRAMING MEMBERS ARE CONSIDERED RESTRAINED.
12. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE ERECTED WITH THE NATURAL CROWN UP.
13. UNLESS OTHERWISE SHOWN OR DETAILED IN THE PLANS , ALL STEEL COLUMNS, BEAMS, BRACES, STRUTS, ETC. SHALL BE CONTINUOUS BETWEEN CONNECTIONS OR SUPPORTS. SPLICES IN MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL BY THE ENGINEER OF RECORD.

J. TIMBER

1. WOOD GRADES (UNLESS NOTED OTHERWISE)
   a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS:
      1. HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
      2. VERTICAL MEMBERS: POST & TRIMMERS: NO. 1, STUDS: NO. 1.
   b. ALL FRAMING IN CONTACT WITH FOOTINGS, FOUNDATIONS OR SLABS ON GRADE SHALL BE PRESSURE TREATED OR TIMBERSTRAND LSL TREATED LUMBER WITH EQUIVALENT STRESS GRADES TO TYPICAL FRAMING MEMBERS.
   c. UNLESS NOTED OTHERWISE, ALL ENGINEERED LUMBER SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

	MODULUS OF ELASTICITY	FLEXURAL STRESS RATING
LVL :	2,000,000 PSI	2,600 PSI
PSL :	2,000,000 PSI	2,900 PSI
LSL :	1,500,000 PSI	2,250 PSI

   d. ALL WOOD "I" JOISTS AND BRIDGING SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL.
2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE :

LOCATION	THICKNESS	PANEL INDEX
WALLS :	15/32"	24/0
ROOFS :	19/32"	32/16

3. INDIVIDUAL PIECES OF SHEATHING AT ROOF, FLOOR, AND SHEAR WALLS SHALL NOT BE SMALLER THAN 24" IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO.
4. ALL 23/32" FLOOR SHEATHING SHALL BE TONGUE AND GROOVE UNLESS NOTED OTHERWISE.
5. CONNECTIONS, FASTENERS, AND ADHESIVE
   a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM A563 HEAVY HEX NUT AND BOLT HEADS.
   b. UNLESS NOTED OTHERWISE, 10d COMMON (0.148) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD FLOOR AND ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS:
      1. BOUNDARY NAILING "BN": 4"O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
      2. PANEL EDGE NAILING "EN": 6"O.C. AT ALL OTHER PLYWOOD PANEL EDGES.
      3. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
   c. UNLESS NOTED OTHERWISE IN THE WOOD SHEAR WALL SCHEDULE ON SHEET S0.2, 8d COMMON (0.131) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD SHEAR WALL SHEATHING TO STUDS AND BLOCKING AS FOLLOWS:
      1. PANEL EDGE NAILING "EN": 6"O.C.
      2. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
   d. NAILS SHALL BE GALVANIZED OR STAINLESS STEEL AT EXPOSED LOCATIONS OR IN TREATED WOOD (SEE NOTE BELOW FOR FASTENERS CONNECTED TO OR IN CONTACT WITH TREATED WOOD). THE HEAD OF ALL NAILS SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING.
   e. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

COMMON NAIL SIZE	SHANK DIAMETER	HEAD DIAMETER	LENGTH	MIN. PENETRATION INTO SUPPORT MEMBER
6d	0.113"	0.266"	2"	1.25"
8d	0.131"	0.281"	2-1/2"	1.375"
10d	0.148"	0.312"	3"	1.50"
12d	0.148"	0.312"	3-1/4"	1.50"
16d	0.162"	0.344"	3-1/2"	1.62"

   f. A CONTINUOUS BEAD OF PERMANENT BOND TIMBER/WOOD ADHESIVE COMPOUND SHALL BE USED TO FASTEN ALL PLYWOOD FLOOR SHEATHING TO FLOOR JOISTS IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS.
   g. ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE.
   h. UNLESS NOTED OTHERWISE, ALL WALL BOTTOM PLATES TO BE ANCHORED TO FOUNDATIONS OR FOOTINGS WITH 3/4" DIAMETER ANCHOR BOLTS AT 32"O.C. WITH 8" MINIMUM EMBEDMENT. THERE SHALL BE A MINIMUM OF (2) ANCHOR BOLTS PER PLATE WITH ONE BOLT LOCATED NOT MORE THAN 12" AND NOT LESS THAN 4 " FROM EACH END OF EACH PIECE.
   i. WALL BOTTOM PLATES AT SHEAR WALLS SHALL INCLUDE 1/4 " x 3" x 3" STEEL PLATE WASHERS BETWEEN THE SILL PLATE AND NUT OF THE ANCHOR BOLT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH UP TO 3/16 " LARGER THAN THE BOLT DIAMETER AND SLOT LENGTH NOT TO EXCEED 1-3/4 ", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN ½" OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE.
   j. FASTENERS CONNECTED TO OR IN CONTACT WITH PRESERVATIVE-TREATED AND/OR FIRE-RETARDANT-TREATED WOOD (EXCEPT FOR TIMBERSTRAND LSL TREATED LUMBER AND BORATE BASED TREATMENTS) SHALL BE OF G-185 HOT-DIP GALVANIZED STEEL OR 304 OR 316 STAINLESS STEEL. STAINLESS STEEL AND GALVANIZED STEEL SHALL NEVER BE USED IN CONTACT WITH EACH OTHER.
   k. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.1. CONNECTIONS FOR MULTIPLE PIECES OF ENGINEERED LUMBER PIECES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
6. ALL WOOD TRUSSED RAFTERS SHALL BE FABRICATED IN COMPLIANCE WITH THE RESEARCH COMMITTEE RECOMMENDATIONS OF THE ICC FOR THE CONNECTOR PLATES USED. SUBMIT DESIGN CALCULATIONS WITH ENGINEERS SEAL FOR REVIEW WITH SHOP DRAWINGS. PROVIDE CALCULATIONS AND DETAILS FOR ALL TRUSS TO TRUSS CONNECTIONS INCLUDING CONNECTION HARDWARE. ALL NECESSARY TRUSS BRIDGING AND CONNECTION DESIGN OF TRUSS BRIDGING SHALL BE PROVIDED BY THE TRUSS DESIGNER AND SHALL BE INCLUDED IN THE DESIGN CALCULATIONS FOR REVIEW.
7. INSTALLATION OF ALL METAL-PLATE-CONNECTED WOOD TRUSSES SHALL COMPLY WITH THE FOLLOWING STANDARDS :
   a. ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSSES ".
   b. TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL-PLATE-CONNECTED WOOD TRUSSES ".
   c. TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL-PLATE-CONNECTED WOOD TRUSSES ".
8. UNLESS NOTED OTHERWISE, ALL ROOF SHEATHING AND WALL SHEATHING AT SHEAR WALLS SHALL HAVE SOLID BLOCKING AT ALL PANEL EDGES.
9. PROVIDE DOUBLE JOIST UNDER PARALLEL NONBEARING WALLS AND SOLID BLOCKING UNDER PERPENDICULAR NONBEARING WALLS.
10. AT ALL OVERBUILD LOCATIONS, ROOF SHEATHING SHALL BE COMPLETE BELOW OVERBUILDS PRIOR TO OVERBUILD CONSTRUCTION.
11. PROVIDE SOLID 2" (NOMINAL) FULL DEPTH BLOCKING AT ENDS AND SUPPORT LOCATIONS FOR ALL JOISTS AND RAFTERS. BLOCKING SHALL BE ATTACHED TO SUPPORT FRAMING WITH A MINIMUM OF (1) SIMPSON A35 FRAMING ANCHOR BETWEEN JOISTS UNLESS NOTED OTHERWISE.
12. UNLESS NOTED OTHERWISE, ALL BEARING WALLS SHALL BE NO. 1 GRADED 2X6 SPACED AT 16 "O.C. BLOCK ALL NON-SHEATHED BEARING WALLS AT 4 '-0"O.C. AT CONTRACTORS OPTION, NO. 2 GRADED 2X6 @ 12"O.C. MAY BE PROVIDED.
13. VERIFY THE STUD SPACING WITH THE ANCHOR BOLT LAY-OUT. WHERE STUDS INTERFERE WITH ANCHOR BOLTS, PROVIDE AN ADDITIONAL FULL-HEIGHT STUD TO ENSURE THAT THE FULL CROSS-SECTIONAL AREA OF THE STUD IS IN CONTACT WITH THE SILL PLATE.
14. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALLS AND SHEAR WALLS SHALL HAVE DOUBLE 2X TOP PLATES THAT ARE SPLICED TOGETHER WITH A MINIMUM OF 72" OF OVERLAP AND SHALL BE CONNECTED TOGETHER WITH A MINIMUM OF (52) 10d COMMON NAILS EACH SIDE OF THE SPLICE. OUTSIDE OF THESE SPLICE LOCATIONS, TOP PLATES SHALL BE NAILED TOGETHER WITH 10d NAILS AT 12" O.C.
15. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE INSTALLED WITH THE NATURAL CROWN UP.

K. STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

1. STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS, PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE OF THE OVERALL STRUCTURAL SYSTEM. DESIGN CRITERIA HAS BEEN PROVIDED FOR THESE ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.
2. STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN.
3. ARW ENGINEERS WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. STRUCTURAL DELEGATED DESIGN COMPONENTS SHALL NOT BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.
5. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO :
   a. PRE-MANUFACTURED WOOD TRUSSES, BLOCKING, BRIDGING, BRIDGING CONNECTIONS, TRUSS HANGERS, AND RELATED COMPONENTS.

L. NON-STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

1. NON-STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ITEMS NOT INCLUDED IN THE STRUCTURAL DELEGATED DESIGN SECTION. THESE ARE ITEMS THAT ARE NOT CRITICAL TO THE OVERALL PERFORMANCE OF THE STRUCTURAL SYSTEM BUT THAT IMPART LOADS AND FORCES TO THE STRUCTURAL SYSTEM.
2. NON-STRUCTURAL DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
3. ARW ENGINEERS WILL REVIEW NON-STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. IF THE STRUCTURAL DRAWINGS INCLUDE LOADS TO ACCOMMODATE NON-STRUCTURAL ELEMENTS, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENTS COMPLY WITH THE LOADING CRITERIA PROVIDED HEREIN. SUCH DOCUMENTATION SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
5. IF THE NON-STRUCTURAL DEFERRED SUBMITTAL INDICATES THAT THE ELEMENT WILL IMPART FORCES IN EXCESS OF THOSE INDICATED ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT A DETAILED GRAPHICAL REPRESENTATION OF THOSE DESIGN LOADS, INCLUDING MAGNITUDE, AND LOCATION. THE GRAPHIC SHALL BE ACCOMPANIED BY DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENT DESIGN COMPLIES WITH THE LOADING CRITERIA PROVIDED HEREIN. THE LETTER SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
6. NON-STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO :
   a. STONE VENEER AND ITS ATTACHMENTS TO THE 2X6 STUD WALLS FOR GRAVITY AND OUT-OF-PLANE LOADING.

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NO.	DATE	DESCRIPTION

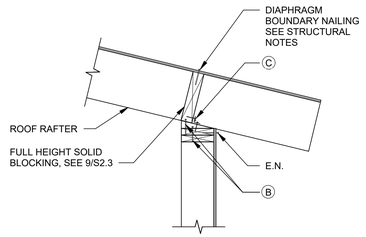
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

STRUCTURAL NOTES S0.2

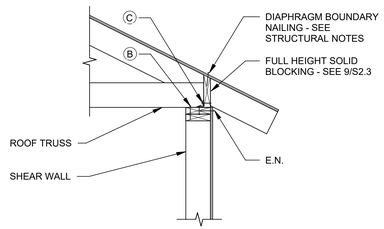
WOOD SHEAR WALL SCHEDULE

WALL MARK	LEVEL	(NOTE 8) PLYWOOD SHEATHING (CDX U.N.O.)	EDGE NAILING (E.N.) (SEE NOTES 2 & 3)	NOMINAL BOTTOM PLATE SIZE	(NOTE 7) NOM. STUD SIZE (MIN.)	CONNECTION NAILING			TYP. SILL PLATE ANCHOR BOLTS (NOTE 9)		COMMENTS
						BOTTOM PL. Ⓐ (SEE NOTE 4) (L)-LAG (ST)-STAGGER	NAILING TOP PL. TOGETHER Ⓑ	BLKG. TO TOP PL. Ⓒ	DIA.	SPA.	
SW-1	1ST TO ROOF	15/32"	10d AT 6"o.c.	2x	2x	N/A	16d AT 4"o.c.	A35 AT 24"o.c.	3/4" DIA.	32"o.c.	
SW-2	1ST TO ROOF	15/32"	10d AT 4"o.c.	2x	2x	N/A	16d AT 4"o.c.	A35 AT 18"o.c.	3/4" DIA.	24"o.c.	
SW-3	1ST TO ROOF	15/32"	10d AT 3"o.c.	2x	3x	N/A	16d AT 4"o.c.	A35 AT 12"o.c.	3/4" DIA.	18"o.c.	
SW-4	1ST TO ROOF	15/32"	10d AT 2"o.c.	2x	3x	N/A	16d AT 4"o.c.	A35 AT 12"o.c.	3/4" DIA.	16"o.c.	

NOTES:
1. ALL SHEATHING PANEL EDGES TO BE BLOCKED. USE 3x BLOCKING WHERE 3x STUDS ARE REQUIRED.
2. ALL NAILS TO BE COMMON OR GALVANIZED BOX.
3. FIELD NAILING TO BE SAME NAILS @ 12"o.c.
4. Ⓐ CONNECTION IS FOR 2ND FLOOR AND ABOVE.
5. AT SHEAR WALLS W/ SHEATHING ON BOTH SIDES, BOTH VERTICAL AND HORIZONTAL JOINTS ON OPPOSITE SIDES OF THE WALL SHALL BE STAGGERED.
6. STAGGER E.N. AT DOUBLE TOP PLATES.
7. 3x NOMINAL FRAMING MEMBERS TO OCCUR AT ABUTTING PANEL EDGES. 2x NOMINAL FRAMING MEMBERS MAY BE USED AT INTERIOR OF PANEL, UNLESS NOTED OTHERWISE IN FLOOR FRAMING NOTES. (2) 2x NAILED TOGETHER W/ (2) 16d NAILS @ 16"o.c. OR 4x NOMINAL FRAMING MEMBERS OF THE SAME DEPTH AND LUMBER GRADE MAY BE USED IN LIEU OF 3x MEMBERS AT CONTRACTOR OPTION.
8. SHEATHING SHALL BE STAMPED W/ APA STAMP. O.S.B. OF EQUIVALENT THICKNESS, GRADE, AND RATING MAY BE USED IN LIEU OF PLYWOOD.
9. ALL SILL PLATE ANCHOR BOLTS TO HAVE MINIMUM 8" EMBEDMENT INTO CONCRETE. SEE DETAIL 8/S2.1 FOR HOLDOWN ANCHORAGE REQUIREMENTS.
10. SEE THIS SHEET FOR TYPICAL SHEAR TRANSFER DETAILS.
11. TOP PLATE SPLICE NAILING SHALL APPLY TO EACH SIDE OF THE SPLICE. THE LENGTH OF THE OVERLAP SHALL BE SUFFICIENT TO PREVENT SPLITTING (48" MIN.)



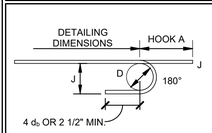
WALL SUPPORTING ROOF RAFTERS



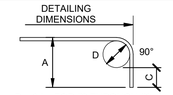
WALL SUPPORTING ROOF TRUSSES

ROOF SHEAR TRANSFER DETAILS

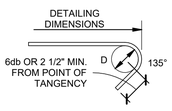
STANDARD HOOK & BEND SCHEDULE



D = $6d_b$ FOR #3 THROUGH #8
D = $8d_b$ FOR #9 THROUGH #11



D = $6d_b$ FOR #3 THROUGH #8
D = $8d_b$ FOR #9 THROUGH #11
C = FOR BARS IN CMU:
#6 AND LARGER, PROVIDE $12d_b$ FROM POINT OF TANGENCY
#5 AND SMALLER, PROVIDE $6d_b$ FROM POINT OF TANGENCY
(2 1/2" MINIMUM)



D = $4d_b$ FOR #3 THROUGH #5
D = $6d_b$ FOR #6 THROUGH #8
D = $8d_b$ FOR #9 THROUGH #11

NOTE: d_b = BAR DIAMETER

BAR SIZE	DIMENSION OF STANDARD 180° HOOKS, ALL GRADES		DIMENSION OF STANDARD 90° HOOKS, ALL GRADES
	A	J	A
#3	5"	3"	6"
#4	6"	4"	8"
#5	7"	5"	10"
#6	8"	6"	1'-0"
#7	10"	7"	1'-2"
#8	11"	8"	1'-4"
#9	1'-3"	11 3/4"	1'-7"
#10	1'-5"	1'-1 1/4"	1'-10"
#11	1'-7"	1'-2 3/4"	2'-0"

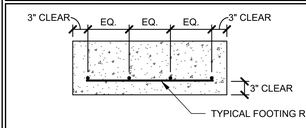
LEGEND OF SYMBOLS AND ABBREVIATIONS

AB	=	ANCHOR BOLT
ABV	=	ABOVE
ARCH	=	ARCHITECT
BLW	=	BELOW
BN	=	BOUNDARY NAILING
BRB	=	BUCKLING RESTRAINED BRACE
BRBF	=	BUCKLING RESTRAINED BRACE FRAME
CJP	=	COMPLETE JOINT PENETRATION
CL	=	CENTERLINE
CMU	=	CONCRETE MASONRY UNIT
COL	=	COLUMN
CONC	=	CONCRETE
CP	=	CONCRETE PIER
DC	=	DEMAND CRITICAL
DIA / Ø	=	DIAMETER
DBA	=	DEFORMED BAR ANCHOR
DBE	=	DECK BEARING ELEVATION
ELEV	=	ELEVATION
EN	=	EDGE NAILING
EOD	=	EDGE OF DECK
FDN	=	FOUNDATION
FTG	=	FOOTING
FFE	=	FINISHED FLOOR ELEVATION
GB	=	CONCRETE GRADE BEAM
HSA	=	HEADED STUD ANCHOR
JBE	=	JOIST BEARING ELEVATION
KB	=	KICKER BRACE
MAX	=	MAXIMUM
MB	=	MASONRY BEAM
MC	=	MASONRY COLUMN
MECH	=	MECHANICAL
MEZZ	=	MEZZANINE
MIN	=	MINIMUM
MJ	=	MASONRY JAMB
MW	=	MASONRY WALL
NS, FS	=	NEAR SIDE, FAR SIDE
OAE	=	OR APPROVED EQUAL
OPP	=	OPPOSITE
PAF	=	POWDER ACTUATED FASTENER
PL	=	PLATE
REINF	=	REINFORCING
REQ'D	=	REQUIRED
SIM	=	SIMILAR
SSH	=	STEEL STUD HEADER
SSJ	=	STEEL STUD JAMB
SSS	=	STEEL STUD SILL
SSW	=	STEEL STUD WALL
TOB	=	TOP OF BEAM ELEVATION
TOC	=	TOP OF CONCRETE SLAB
TOF	=	TOP OF FOOTING
TOG	=	TOP OF GIRDER ELEVATION
TOM	=	TOP OF MASONRY
TOS	=	TOP OF STEEL ELEVATION
TYP	=	TYPICAL
UNO	=	UNLESS NOTED OTHERWISE

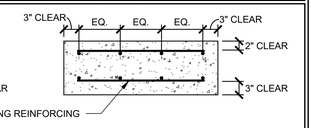
FOOTING MARK
TOP OF FOOTING ELEV.
SECTION MARK
SHEET NUMBER
TOP OF FOUNDATION WALL OR COLUMN PIER ELEV.
SHEAR WALL - SEE SCHEDULE
MIN. LENGTH OF SHEAR WALL
S S FOOTING STEP
MASONRY WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT MASONRY FOUNDATION WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT CONCRETE FOUNDATION WALL
MASONRY BEAM
CONCRETE BEAM
HD POST "A" ELEVATION
HD - SIMPSON HOLDOWN SIZE POST - SIZE OF END POST CONNECTED TO HOLDOWN "A" - PLAN CONFIGURATION AT HOLDOWN AT FOUNDATION
L FRAMING ANGLE SEE TYPICAL DETAIL
C FRAMING CHANNEL SEE TYPICAL DETAIL
L ITEMS, DETAILS, & SYSTEMS WHICH ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.
MOMENT RESISTING CONNECTIONS - SEE DETAIL
MOMENT RESISTING CANTILEVER CONNECTIONS - SEE DETAIL
KB KICKER BRACE

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICK	LENGTHWISE REINF.		CROSSWISE REINF.			REMARKS
				NO.	SIZE	NO.	SIZE	SPA.	
FC2	2'-0"	CONT.	12"	(2)	#5	--	--	--	
FC3	3'-0"	CONT.	12"	(3)	#5	--	--	--	
FC4	4'-0"	CONT.	12"	(4)	#5	--	#5	12"	
F3	3'-0"	3'-0"	12"	(3)	#5	(3)	#5	--	
F4	4'-0"	4'-0"	14"	(4)	#5	(4)	#5	--	
F5	5'-0"	5'-0"	14"	(5)	#5	(5)	#5	--	
FS10	10'-0"	10'-0"	18"	(10)	#6	(10)	#6	--	REINFORCE TOP AND BOTTOM



TYP. FOOTING SECTION



TYP. FOOTING SECTION
W/ TOP & BOTTOM REINF.

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NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

SCHEDULES S0.3

STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE

ESTABLISHED PER 2021 IBC SECTION 1705.2.1

INSPECTION TASKS PRIOR TO WELDING (TABLE N5.4-1)	FABRICATOR QUALITY CONTROL		SPECIAL INSPECTOR QUALITY ASSURANCE	
	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	●			●
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	●		●	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	●		●	
MATERIAL IDENTIFICATION (TYPE / GRADE)		●		●
WELDER IDENTIFICATION SYSTEM[1]		●		●
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)				
* JOINT PREPARATION				
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)		●		●
* CLEANLINESS (CONDITION OF STEEL SURFACES)				
* TACKING (TACK WELD QUALITY AND LOCATION)				
* BACKING TYPE AND FIT (IF APPLICABLE)				
FIT-UP OF CJP GROOVE WELDS OFHSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)				
* JOINT PREPARATIONS				
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	●			●
* CLEANLINESS (CONDITION OF STEEL SURFACES)				
* TACKING (TACK WELD QUALITY AND LOCATION)				
CONFIGURATION AND FINISH OF ACCESS HOLES		●		●
FIT-UP OF FILLET WELDS				
* DIMENSIONS (ALIGNMENT, GAPS AT ROOT)		●		●
* CLEANLINESS (CONDITION OF STEEL SURFACES)				
* TACKING (TACK WELD QUALITY AND LOCATION)				
CHECK WELDING EQUIPMENT		●		

[1]THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.

INSPECTION TASKS DURING WELDING (TABLE N5.4-2)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
CONTROL AND HANDLING OF WELDING CONSUMABLES				
* PACKAGING		●		●
* EXPOSURE CONTROL				
NO WELDING OVER CRACKED TACK WELDS		●		●
ENVIRONMENTAL CONDITIONS				
* WIND SPEED WITHIN LIMITS		●		●
* PRECIPITATION AND TEMPERATURE				
WPS FOLLOWED				
* SETTINGS ON WELDING EQUIPMENT				
* TRAVEL SPEED				
* SELECTED WELDING MATERIALS		●		●
* SHIELDING GAS TYPE / FLOW RATE				
* PREHEAT APPLIED				
* INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX)				
* PROPER POSITION (F, V, H, OH)				
WELDING TECHNIQUES				
* INTERPASS AND FINAL CLEANING				
* EACH PASS WITHIN PROFILE LIMITATIONS		●		●
* EACH PASS MEETS QUALITY REQUIREMENTS				
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	●		●	

INSPECTION TASKS AFTER WELDING (TABLE N5.4-3)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
WELDS CLEANED		●		●
SIZE, LENGTH AND LOCATION OF WELDS	●		●	
WELDS MEET VISUAL ACCEPTANCE CRITERIA				
* CRACK PROHIBITION				
* WELD / BASE-METAL FUSION				
* CRATER CROSS SECTION	●		●	
* WELD PROFILES				
* WELD SIZE				
* UNDERCUT				
* POROSITY				
ARC STRIKES	●		●	
K-AREA[1]	●		●	
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES[2]	●		●	
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	●		●	
REPAIR ACTIVITIES	●		●	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	●		●	
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR		●		●

[1]WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75mm) OF THE WELD)
[2]AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1d) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

NOTES

1. PERIODIC - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
2. CONTINUOUS - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.
3. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.
4. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNER, OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N6.
5. QC AND QA INSPECTORS SHALL BE QUALIFIED IN ACCORDANCE WITH AISC 360-16 CHAPTER N4.
6. NONDESTRUCTIVE TESTING PERSONNEL SHALL BE QUALIFIED IN ACCORDANCE WITH AISC 360-16 CHAPTER N4.3.
7. NONDESTRUCTIVE TESTING OF WELDED JOINTS SHALL COMPLY WITH AISC 360-16 CHAPTER N5.5a AND b.
8. OBSERVATION OF WELDING OPERATIONS AND VISUAL INSPECTION OF IN-PROCESS AND COMPLETED WELDS SHALL BE THE PRIMARY METHOD TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. FOR STRUCTURAL STEEL, ALL PROVISIONS OF AWS D1.1 / D1.1M STRUCTURAL WELDING CODE – STEEL FOR STATICALLY LOADED STRUCTURES SHALL APPLY.
9. THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED BY QA USING MT OR PT, WHEN THE FLANGE THICKNESS EXCEEDS 2 IN. (50mm) FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 IN. (50mm) FOR BUILT-UP SHAPES. ANY CRACK SHALL BE DEEMED UNACCEPTABLE REGARDLESS OF SIZE OR LOCATION.
10. WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHICS OR ULTRASONIC INSPECTION SHALL BE TESTED BY QA AS PRESCRIBED. REDUCTION IN THE RATE OF UT IS PROHIBITED.
11. REDUCTION OF RATE OF ULTRASONIC TESTING - THE RATE OF UT IS ONLY PERMITTED TO BE REDUCED IF APPROVED BY THE EOR AND THE AHJ PER AISC 360-16 CHAPTER N5.5e.
12. FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR UT IS 10%, THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR SHALL BE INCREASED TO 100% SHOULD THE REJECT RATE, THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED, EXCEEDS 5% OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE PRIOR TO IMPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OR WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPLETED WELDS, HAS FALLEN TO 5% OR LESS, THE RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS 1 IN. (25mm) OR LESS, EACH 12 IN. (300mm) INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm), EACH 6 IN. (150mm) OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED ON WELD.
13. ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. WHEN A WELD IS REJECTED ON THE BASIS OF NDT, THE NDT RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND THE BASIS OF REJECTION
14. DEMAND CRITICAL WELDS SHALL MEET THE PROVISION FOUND IN AISC 341-16 AND WELDING METHODS, PROCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING:
    a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED.
    b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5.
    c. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA.
    d. USE ELECTRODES WITH CHARPY V-NOTCH ABSORBED ENERGY EQUAL TO OR GREATER THAN 20 FT-LBS AT 20 DEGREES FAHRENHEIT UNDER AWS A5 CLASSIFICATION TEST METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT USING TEST PROCEDURES PRESCRIBED IN APPENDIX X OF AISC 358. ACCEPTABLE ELECTRODES INCLUDE E70TG-K2, E71 T-1.

INSPECTION TASKS PRIOR TO BOLTING (TABLE N5.6-1)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS		●	●	
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS		●		●
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)		●		●
PROPER BOLTING PROCEDURES SELECTED FOR JOINT DETAIL		●		●
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS		●		●
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	●			●
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS		●		●

INSPECTION TASKS DURING BOLTING (TABLE N5.6-2)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
FASTENER ASSEMBLIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED		●		●
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION		●		●
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING		●		●
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES		●		●

INSPECTION TASKS AFTER BOLTING (TABLE N5.6-3)	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	●		●	

NOTES

1. PERIODIC - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
2. CONTINUOUS - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.
3. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.
4. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNER, OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7.
5. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING OF THE INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-2 ARE NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS.
6. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.
7. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE CALIBRATED WRENCH METHOD OR THE TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN THEIR ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.
8. OBSERVATION OF BOLTING OPERATIONS SHALL BE THE PRIMARY METHOD USED TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP INCORPORATED IN CONSTRUCTION ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND THE PROVISIONS OF THE RCSC SPECIFICATION.

GENERAL STEEL SPECIAL INSPECTION NOTES :

1. QUALITY ASSURANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE FABRICATOR'S PLANT. THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE FABRICATOR.
2. QA INSPECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECT SITE. THE QAI SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE ERECTOR.
3. WHERE A TASK IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITTED TO COORDINATE THE INSPECTION FUNCTION BETWEEN THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE PERFORMED BY ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCTIONS PERFORMED BY QC, THE APPROVAL OF THE ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION IS REQUIRED.
4. THE FABRICATOR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE SHOP DRAWINGS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION. THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
5. THE QAI SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO PLACEMENT OF THE CONCRETE.
6. THE QAI SHALL INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
7. QUALITY ASSURANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NDT), MAY BE WAIVED WHEN THE WORK IS PERFORMED IN A FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) TO PERFORM THE WORK WITHOUT QA. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA AGENCY SHALL REVIEW THE FABRICATOR'S NDT REPORTS.
8. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE FABRICATOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. AT COMPLETION OF ERECTION, THE APPROVED ERECTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE ERECTOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
9. IDENTIFICATION AND REJECTION OF MATERIAL OR WORKMANSHIP THAT IS NOT IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, SHALL BE PERMITTED AT ANY TIME DURING THE PROGRESS OF THE WORK. HOWEVER, THIS PROVISION SHALL NOT RELIEVE THE OWNER OR THE INSPECTOR OF THE OBLIGATION FOR TIMELY, IN-SEQUENCE INSPECTIONS. NONCONFORMING MATERIAL AND WORKMANSHIP SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE FABRICATOR OR ERECTOR, AS APPLICABLE.
10. NONCONFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT INTO CONFORMANCE, OR MADE SUITABLE FOR ITS INTENDED PURPOSE AS DETERMINED BY THE ENGINEER OF RECORD.
11. CONCURRENT WITH THE SUBMITTAL OF SUCH REPORTS TO THE AHJ, EOR OR OWNER, THE QA AGENCY SHALL SUBMIT TO THE FABRICATOR AND ERECTOR:
    (1) NONCONFORMANCE REPORTS
    (2) REPORTS OF REPAIR, REPLACEMENT OR ACCEPTANCE OF NONCONFORMING ITEMS.

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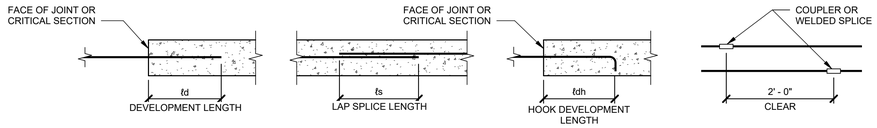
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

SCHEDULES S0.4

2021 IBC CONCRETE REBAR LAP SPLICE SCHEDULE (60KSI REBAR)

FOR CONCRETE APPLICATIONS (ACI 318 - 19)



BAR LOCATION	CONCRETE		CONCRETE REINFORCING & SPLICE LENGTHS (IN)																												COMMENTS
			BAR SIZE																												
	TYPE	STRENGTH	#3			#4			#5			#6			#7			#8			#9			#10			#11			
			ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	3000 PSI	17	22	6	22	29	6	28	36	8	33	43	11	48	62	14	55	72	16	62	81	20	70	91	23	78	101	27		
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	3000 PSI	22	29	6	29	38	6	36	47	8	43	56	11	63	82	14	72	94	16	81	105	20	91	118	23	101	131	27		
BEAM BOTTOM BARS, COLUMN BARS	NWC	3000 PSI	17	22	6	22	29	10	28	36	13	33	43	17	48	62	21	55	72	26	62	81	31	70	91	37	78	101	43		
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	3000 PSI	12	16	6	14	18	6	17	22	8	20	26	11	29	38	14	33	43	16	38	49	20	42	55	23	46	61	27		
SLAB TOP BARS[5] BEAM TOP BARS	NWC	3000 PSI	22	29	6	29	38	10	36	47	13	43	56	17	63	82	21	72	94	26	81	105	31	91	118	37	101	131	43		

BAR LOCATION	CONCRETE		CONCRETE REINFORCING & SPLICE LENGTHS (IN)																												COMMENTS
			BAR SIZE																												
	TYPE	STRENGTH	#3			#4			#5			#6			#7			#8			#9			#10			#11			
			ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	4000 PSI	15	20	6	19	25	6	24	31	8	29	38	10	42	55	13	48	62	13	54	70	18	61	79	22	67	87	26		
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4000 PSI	19	25	6	25	33	6	31	40	8	37	48	10	54	70	13	62	81	15	70	91	18	79	103	22	87	113	26		
BEAM BOTTOM BARS, COLUMN BARS	NWC	4000 PSI	15	20	6	19	25	9	24	31	12	29	38	16	42	55	20	48	62	24	54	70	29	61	79	35	67	87	41		
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	4000 PSI	12	16	6	12	16	6	15	20	8	18	23	10	25	33	13	29	38	15	33	43	18	37	48	22	41	53	26		
SLAB TOP BARS[5] BEAM TOP BARS	NWC	4000 PSI	19	25	6	25	33	9	31	40	12	37	48	16	54	70	20	62	81	24	70	91	29	79	103	35	87	113	41		

BAR LOCATION	CONCRETE		CONCRETE REINFORCING & SPLICE LENGTHS (IN)																												COMMENTS
			BAR SIZE																												
	TYPE	STRENGTH	#3			#4			#5			#6			#7			#8			#9			#10			#11			
			ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	4500 PSI	14	18	6	18	23	6	23	30	8	27	35	10	40	52	12	45	59	15	51	66	18	57	74	21	64	83	25		
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4500 PSI	18	23	6	24	31	6	30	39	8	35	46	10	51	66	12	59	77	15	66	86	18	74	96	21	82	107	25		
BEAM BOTTOM BARS, COLUMN BARS	NWC	4500 PSI	14	18	6	18	23	9	23	30	12	27	35	16	40	52	20	45	59	24	51	66	29	57	74	34	64	83	40		
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	4500 PSI	12	16	6	12	16	6	13	17	8	16	21	10	23	30	12	26	34	15	29	38	18	33	43	21	36	47	25		
SLAB TOP BARS[5] BEAM TOP BARS	NWC	4500 PSI	18	23	6	24	31	9	30	39	12	35	46	16	51	66	20	59	77	24	66	86	29	74	96	34	82	107	40		

NOTES :
1. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
2. LENGTHS INDICATED IN THIS SCHEDULE SHALL BE INCREASED BY 50% FOR STRAIGHT BAR DEVELOPMENT AND 20% FOR HOOKED BARS WHERE EPOXY COATING IS USED.
3. WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
4. SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.
5. SLAB TOP BARS ONLY FOR SLABS 12" OR GREATER IN THICKNESS.

SPECIAL INSPECTION SCHEDULE [1, 2]

ESTABLISHED PER 2021 IBC SECTION 110 AND CHAPTER 17

ITEM	CONTINUOUS[3]	PERIODIC[3]	REFERENCE	COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2)			REFERENCE NOTES P1 & P2	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2).
CONCRETE CONSTRUCTION (IBC 1705.3)			SEE IBC TABLE 1705.3 - REF. NOTE C1	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET. C 2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION C REQUIREMENTS NOTED ABOVE. 3. PERFORM AIR, SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST. C4. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS. C5. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT. AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT AND ACI 318: 17.8.2.4. C6. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS IN STRUCTURES ASSIGNED C TO SEISMIC DESIGN CATEGORY C, D, E, OR F. 7. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5. 8. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR FORMWORK SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
REINFORCING STEEL PLACEMENT		●		
WELDING OF REINFORCING STEEL	●	●	REFERENCE NOTE C2	
ANCHORS CAST IN CONCRETE	●			
VERIFYING REQUIRED DESIGN MIX		●		
CONCRETE PLACEMENT / SAMPLING	●		REFERENCE NOTE C3	
CURING TEMPERATURE / TECHNIQUES		●		
CONCRETE AND SHOTCRETE PLACEMENT / APPLICATION TECHNIQUES	●			
PRESTRESSED CONCRETE				
APPLICATION OF PRESTRESSING FORCES	●			
GROUTING BONDED TENDONS	●			
ERECTION OF PRECAST MEMBERS		●		
PRECAST CONCRETE DIAPHRAGM CONNECTIONS			REFERENCE NOTE C6 AND C7	
INSTALLATION OF THE EMBEDED PARTS	●			
CONTINUITY OF REINFORCEMENT ACROSS JOINTS	●			
CONNECTION COMPLETION IN THE FIELD				
VERIFICATION OF IN-SITU STRENGTH		●	REFERENCE NOTE C4	
POST-INSTALLED ANCHOR PLACEMENT	●	●	REFERENCE NOTE C5	
FORMWORK		●	REFERENCE NOTE C8	
WOOD (IBC 1705.5 & 1705.12.1 & 1705.13.2)				W 1. WOOD STRUCTURAL PANEL SHEATHING SHALL BE INSPECTED TO ASCERTAIN THAT GRADE AND THICKNESS ARE IN COMPLIANCE WITH APPROVED BUILDING PLANS. NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS SHALL ALSO BE INSPECTED AND VERIFIED FOR COMPLIANCE WITH APPROVED W BUILDING PLANS. 2. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM, WHERE THE LATERAL RESISTANCE IS PROVIDED BY STRUCTURAL SHEATHING AND THE SPECIFIED FASTENER W SPACING AT PANEL EDGES IS MORE THAN 4"o.c. 3. SPECIAL INSPECTION SHALL BE PERFORMED TO VERIFY THAT THE INSTALLATION OF TEMPORARY AND PERMANENT RESTRAINT/BRACING IS INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.
HIGH LOAD DIAPHRAGMS (ROOF / FLOOR)		●	REFERENCE NOTE W1	
SITE-BUILT ASSEMBLIES		●		
SHEAR WALL & DIAPHRAGM NAILING		●	REFERENCE NOTE W2	
DRAG STRUTS		●		
BRACES & SHEAR PANELS		●		
HOLDOWNS		●		
GLUING OPERATIONS	●			
METAL-PLATE-CONNECTED WOOD TRUSSES WITH HEIGHTS GREATER THAN OR EQUAL TO 60"		●	REFERENCE NOTE W2	
METAL-PLATE-CONNECTED WOOD TRUSSES WITH SPANS GREATER THAN OR EQUAL TO 60 FEET		●	REFERENCE NOTE W3	
SOILS (IBC 1705.6)			REFERENCE NOTE F1	F 1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED GEOTECHNICAL REPORT TO DETERMINE F COMPLIANCE. 2. WHERE GEOTECHNICAL REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557. F 3. CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING FILL PLACEMENT. VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	REFERENCE NOTE F1	
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL		●	REFERENCE NOTE F2	
CLASSIFY & TEST CONTROLLED FILL MATERIALS		●	REFERENCE NOTE F2	
FILL MATERIAL AND PLACEMENT	●		REFERENCE NOTE F3	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL.		●	REFERENCE NOTE F1	

GENERAL SPECIAL INSPECTION NOTES :

1. THE ITEMS MARKED WITH ● " " IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)

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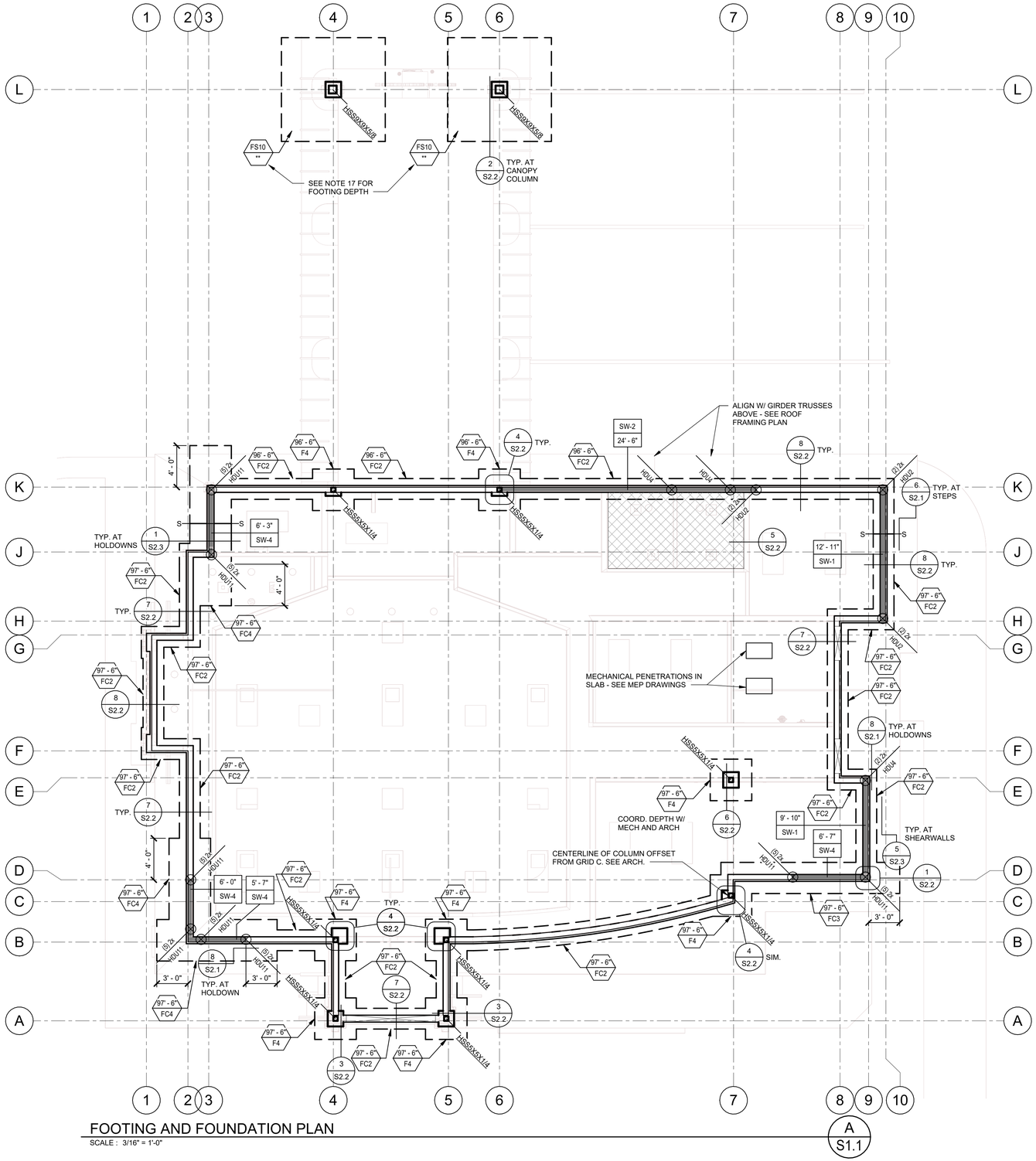
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

SCHEDULES S0.5



FOOTING AND FOUNDATION PLAN

SCALE : 3/16" = 1'-0"

A S1.1

FOOTING & FOUNDATION NOTES :

1. SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
2. ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
3. ALL COLUMN FOOTINGS SHALL BE CENTERED BELOW COLUMNS U.N.O.
4. VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER AND ARCHITECT OF ANY DISCREPANCIES FOUND.
5. SEE SHEET S0.3 FOR FOOTING SCHEDULE.
6. PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
7. SEE SHEET S2.1 AND S2.2 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
8. ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
9. FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
10. ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
11. COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.
12. REFER TO ROOF FRAMING PLANS AND TRUSS MANUFACTURER FOR GIRDER LOCATIONS AND REQUIRED HOLDOWNS INTO FOUNDATION WALL.
13. SEE ARCHITECTURAL DRAWINGS FOR DUMPSTER ENCLOSURE INFORMATION.
14. FOR DOORS AND WINDOWS EXTENDING TO SLAB USE DETAIL 7/S2.2. VERIFY WINDOW AND DOOR LOCATIONS WITH ARCHITECT.
15. ▒▒▒ INDICATES SHEARWALL. SEE PLAN AND SCHEDULE FOR TYPE AND NAIL REQUIREMENTS. USE SW-1 NAILING WHERE NOT SPECIFICALLY CALLED OUT IN DRAWINGS.
16. ⊗ INDICATES SIMPSON HDU4 HOLDOWN WITH (2) 2x MEMBERS UNLESS OTHERWISE NOTED. SEE DETAILS 8/S2.1, 1/S2.3, AND 5/S2.3 FOR MORE INFORMATION.
17. ** FIELD VERIFY AND COORDINATE WITH CIVIL AND ARCHITECT THAT BOTTOM OF FOOTING ELEVATION IS AT FROST ELEVATION. TOP OF FOOTING IS TO BE A MINIMUM OF 3'-0" BELOW SLAB ON GRADE ELEVATION (i.e. 97'-0").

CONCRETE SLAB NOTES :

1. SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL AS PRESCRIBED IN THE SOILS REPORT.
2. SEE SHEET S2.1 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.
3. ▒▒▒ INDICATES A 2" RECESS IN THE FLOOR SLAB. SEE THE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION. FULL THICKNESS OF SLAB TO OCCUR IN RECESSED AREAS.

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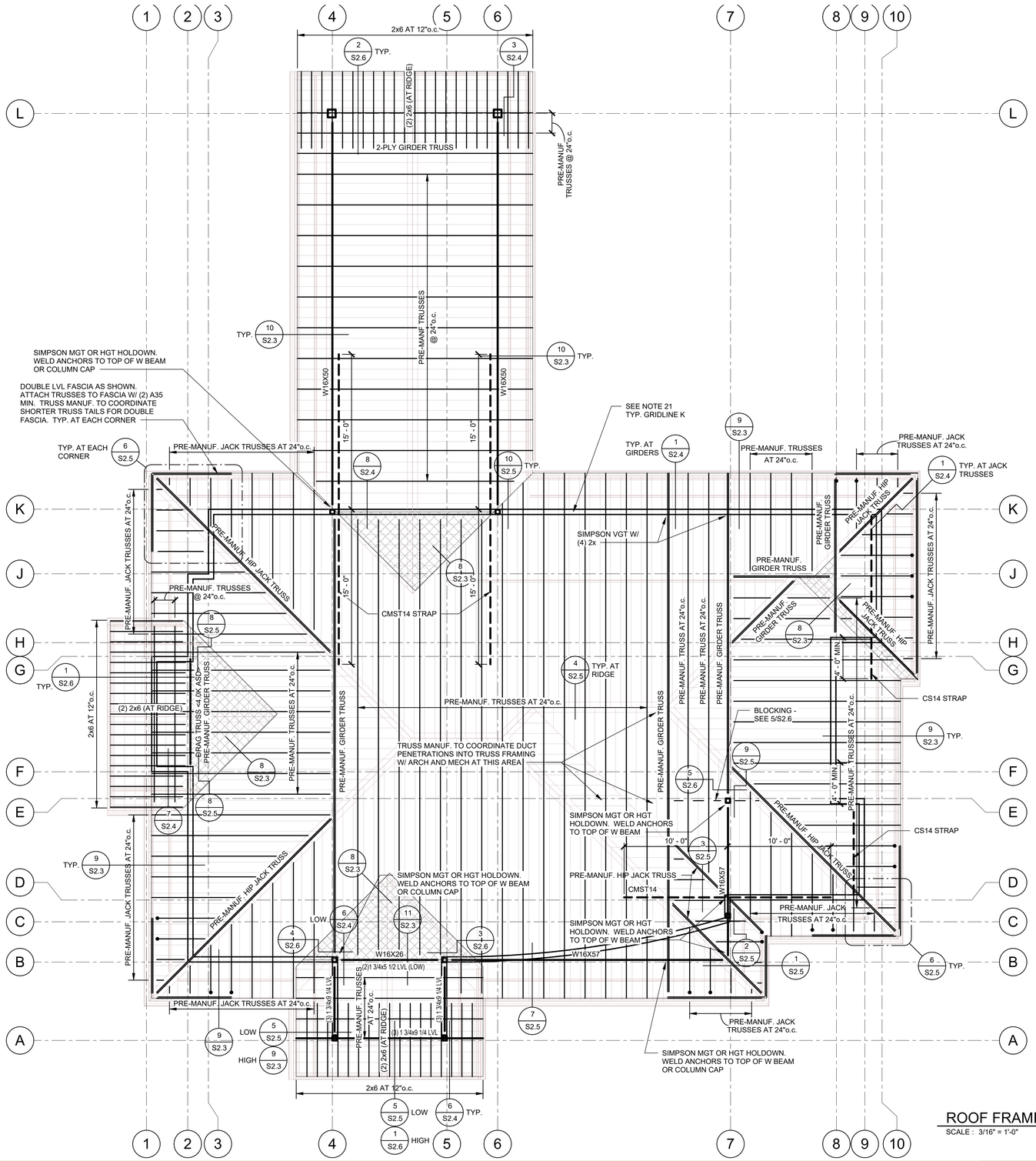
FOOTING AND FOUNDATION PLAN

S1.1



ROOF FRAMING PLAN — A S1.2

SCALE : 3/16" = 1'-0"

STUDIO 333

WOOD FRAMING NOTES :

1. FOR ROOF SHEATHING AND NAILING REQUIREMENTS, SEE STRUCTURAL NOTES SHEET S0.2.
2. SHEAR WALLS ARE INDICATED ON SHEET S0.3. SEE THE SHEAR WALL SCHEDULE FOR SHEAR WALL ATTACHMENTS.
3. SEE NOTE J.14 FOR TOP PLATE SPLICE.
4. OPENINGS IN ROOF DIAPHRAGM TO BE BETWEEN TRUSSES. FRAME AROUND OPENING WITH 2x6 FRAMING THAT ATTACHES TO TRUSSES WITH A35. SEE DETAIL 4/S2.4 FOR MORE INFORMATION.
5. U.N.O., ALL EXTERIOR WALLS, INTERIOR BEARING WALLS AND SHEAR WALLS SHALL BE SHEATHED WITH 2x6 STUDS AT 16"o.c.. OTHER WALLS TO BE AS PER ARCHITECTURAL DRAWINGS.
6. TYPICAL HEADERS WHERE NOT OTHERWISE INDICATED TO BE AS FOLLOWS :
   UP TO 4'-0" OPENING (3) 2x8
   4'-1" TO 5'-6" (3) 2x10
   5'-7" TO 10'-0" (3) 1.75" x 9.25" LVL
   10'-1" TO 12'-0" (3) 1.75" x 11.87" LVL
7. FOR TYPICAL TRIMMERS, WHERE NOT OTHERWISE INDICATED, SEE DETAIL 3/S2.3.
8. FOR TYPICAL KING STUDS, WHERE NOT OTHERWISE INDICATED, SEE DETAIL 3/S2.3.
9. SEE DETAIL 2/S2.3 FOR PLYWOOD ROOF SHEATHING LAYOUT.
10. AT OVERBUILD / DORMER LOCATIONS, USE THE FOLLOWING JOISTS :
    UP TO 4'-8" SPAN 2x6 AT 24" O.C.
    4'-10" TO 9'-6" SPAN 2x8 AT 24" O.C.
11. AT OVERBUILD/DORMER LOCATIONS, USE THE FOLLOWING AT HIPS/RIDGES :
    UP TO 8'-0" SPAN (2) 2x8
    8'-0" TO 12'-0" SPAN (2) 2x10
    FOR SPANS GREATER THAN 12'-0", USE PONY WALLS. PONY WALLS ARE TO BE PERPENDICULAR TO THE MAIN BUILDING TRUSSES. AT CONTRACTORS OPTION, TRUSSES SPANNING PERPENDICULAR TO THE MAIN BUILDING TRUSSES MAY BE PROVIDED.
12. CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE TEMPORARY BRACING UNTIL ALL ROOF FRAMING AND ROOF DIAPHRAGM ATTACHMENTS ARE COMPLETE.
13. SEE DETAIL 5/S2.1 FOR ATTACHMENT OF NON-BEARING WALLS TO PRE-MANUFACTURED TRUSSES.
14. ▨ = SHADING INDICATES OVERBUILD AREA
15. ▭ = SIMPSON STRAP (ALIGN OVER 2x FLAT BLOCKING) - SEE PLAN.
16. SEE DETAIL 4/S2.5 FOR TYPICAL RIDGE VENT DETAIL.
17. SEE ARCH. DETAILS FOR DRAFTSTOP DETAILS AND LOCATIONS.
18. SEE 9/S2.4 FOR TYPICAL STEEL BEAM CONNECTION.
19. WHERE GIRDER TRUSSES BEAR ON WOOD WALL THERE SHALL BE A MINIMUM NUMBER OF 2xs TO MATCH WIDTH OF GIRDER OR AS NOTED ON PLAN SHEETS S1.1 AND S1.2. THE WORST CASE OF EITHER SHALL BE INSTALLED.
20. SEE DETAIL 4/S2.3 FOR FASTENING OF MULTI-PLY HEADERS AND BEAMS.
21. FOR GRIDLINE K, PROVIDE A35's FROM BLOCKING TO TOP PLATE AT 12"o.c.

PRE-MANUFACTURED TRUSS NOTES :

1. PRE-MANUFACTURED TRUSSES SHALL BE DESIGNED PER ALL APPLICABLE LOAD COMBINATIONS AND LOAD CONFIGURATIONS AS REQUIRED BY THE GOVERNING CODE AND THE GENERAL STRUCTURAL NOTES :

   THE FOLLOWING CRITERIA SHALL BE USED IN DESIGN.

   SNOW LOAD = PER GENERAL STRUCTURAL NOTES. CONSIDER BALANCED, UNBALANCED LOAD CONDITIONS
   LIVE LOAD = PER GENERAL STRUCTURAL NOTES
   DEAD LOAD = 10 PSF TOP CHORD
   5 PSF BOTTOM CHORD
   WIND LOAD = PER GENERAL STRUCTURAL NOTES

2. ALL TRUSSES SHALL BE DESIGNED FOR A 150 POUND POINT LOAD APPLIED AT ANY LOCATION ALONG THE BOTTOM CHORD. DESIGN ALL TRUSSES FOR WIND UPLIFT PER THE GOVERNING CODE WITH A 8 PSF DEAD LOAD.
3. ALL TRUSS TO TRUSS CONNECTIONS PROVIDED BY TRUSS MANUFACTURER. JACK TRUSSES SHALL BE ATTACHED TO HIP JACK TRUSSES WITH A METAL CONNECTOR DESIGNED AND DETAILED IN THE TRUSS SHOP DRAWINGS - AT A MINIMUM USE A SIMPSON LS90 AT EA. CONNECTION.
4. TRUSS MANUFACTURER SHALL COORDINATE AND INCLUDE ALL ADD LOADS AS INDICATED ON THE FRAMING PLAN(S).
5. COORDINATE DUCT RUNS AND TRUSS WEB CONFIGURATIONS WITH MECHANICAL AND ARCH. DRAWINGS. DO NOT FIELD MODIFY TRUSSES TO ACCOMMODATE DUCTING AND OTHER MISCELLANEOUS EQUIPMENT WITHOUT WRITTEN DIRECTION FROM THE TRUSS MANUFACTURER OR STRUCTURAL ENGINEER.
6. INSTALL SIMPSON VGT HOLDOWNS AT EACH HIP JACK TRUSS AND GIRDER TRUSS AS SHOWN IN DETAIL 1/S2.4. TRUSS MANUF. TO VERIFY THAT THIS SIMPSON VGT HOLDOWN MEETS OR EXCEEDS REQUIRED UPLIFT CAPACITIES FOR ALL TRUSSES DESIGNED. TRUSS MANUF. RESPONSIBLE TO NOTIFY EOR IN WRITING WHERE UPLIFT CAPACITIES ARE EXCEEDED.
7. COORDINATE ALLOWABLE TRUSS DEFLECTIONS WITH ARCHITECT FOR DETAILING OF NON-BEARING STUD WALLS BELOW.
8. TRUSS MANUFACTURER SHALL DESIGN THE FASCIA BOARD AND ITS CONNECTION TO THE TRUSS AROUND THE PERIMETER OF THE ENTIRE BUILDING. THE FASCIA BOARD SHALL BE CAPABLE OF SUPPORTING GRAVITY LOADS (DEAD AND SNOW) AND WIND UPLIFT LOADS. SEE 6/S2.5 FOR MIN. REQUIREMENTS AT THESE LOCATIONS.
9. DESIGN GIRDER TRUSSES FOR ASD LEVEL DRAG LOADS SHOWN ON THE PLANS.
10. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AS REQUIRED BY THE DEFERRED SUBMITTAL SECTION OF THE GENERAL STRUCTURAL NOTES.
11. WHERE INDICATED, BLOCK PANEL EDGES OF ROOF SHEATHING WITH FLAT 2X BLOCKING.
12. BOTTOM CHORD BEARING TRUSSES AT CANOPY SHALL BE DESIGNED FOR AN ALLOWABLE TENSION/COMPRESSION FORCES OF 350#.
13. SEE DETAILS 11/S2.3, 7/S2.5, AND ARCHITECT FOR TOP CHORD BEARING CONDITIONS.
14. ALL DRAG FORCES TO BE TRANSFERRED TO TOP CHORD OF TRUSS THROUGH TRUSS MEMBERS AND CONNECTIONS. SEE 8/S2.5 AND 9/S2.5 FOR MORE INFORMATION.
15. ● INDICATES 1000# ASD ADD LOAD TO TRUSS TAILS. CONNECTION TO TRUSS SHALL BE (2) HSCQ AT EACH TRUSS TAIL TO FASCIA.
16. SEE WOOD FRAMING NOTE 11 FOR OVERBUILD TRUSSES.

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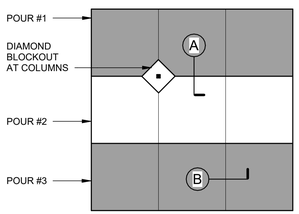
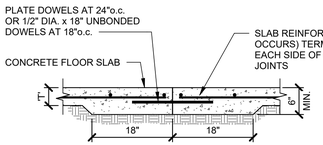
ROOF FRAMING PLAN S1.2



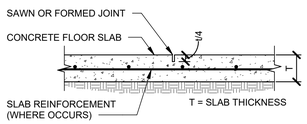
NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN / GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS AT 4" SLABS; 12'-0" MAX. AT 5" SLABS, AND 15'-0" MAX. AT 6" SLABS.
2. SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.



NOTE: THICKENING OF SLAB NOT REQUIRED FOR SLABS WITH T = 6" OR GREATER

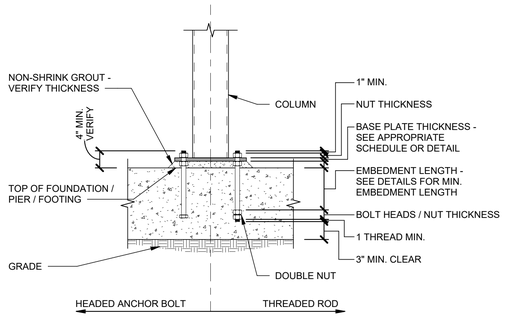
T = SLAB THICKNESS

CONSTRUCTION JOINT (A)
SCALE : NONE

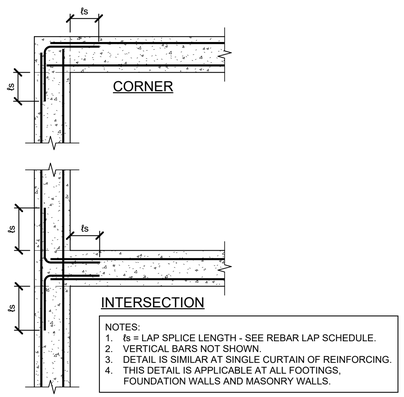


CONTROL JOINT (B)
SCALE : NONE

TYPICAL CONCRETE SLAB JOINTS
1 / S2.1
SCALE : NONE

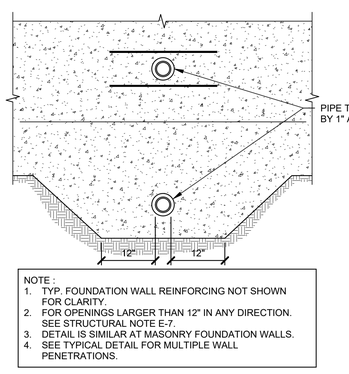


TYPICAL ANCHOR BOLT EMBEDMENT DETAIL
2 / S2.1
SCALE : NONE



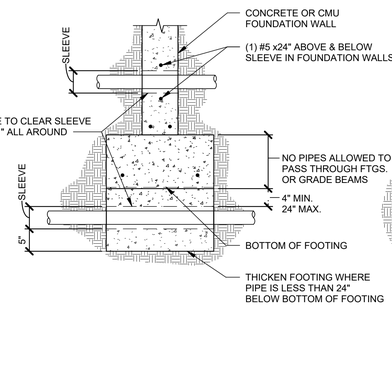
NOTES:
1. *ts* = LAP SPLICE LENGTH - SEE REBAR LAP SCHEDULE.
2. VERTICAL BARS NOT SHOWN.
3. DETAIL IS SIMILAR AT SINGLE CURTAIN OF REINFORCING.
4. THIS DETAIL IS APPLICABLE AT ALL FOOTINGS, FOUNDATION WALLS AND MASONRY WALLS.

TYPICAL HORIZONTAL REINFORCING DETAIL
3 / S2.1
SCALE : NONE

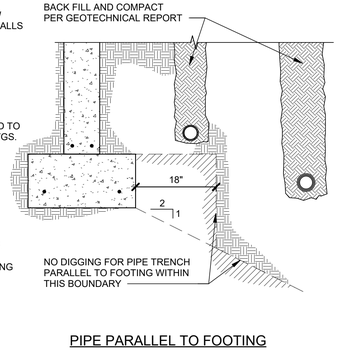


NOTE :
1. TYP. FOUNDATION WALL REINFORCING NOT SHOWN FOR CLARITY.
2. FOR OPENINGS LARGER THAN 12" IN ANY DIRECTION. SEE STRUCTURAL NOTE E-7.
3. DETAIL IS SIMILAR AT MASONRY FOUNDATION WALLS.
4. SEE TYPICAL DETAIL FOR MULTIPLE WALL PENETRATIONS.

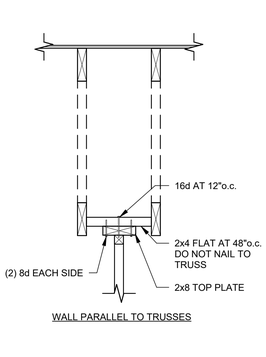
PIPE CROSSING FOOTING / FOUNDATION WALL



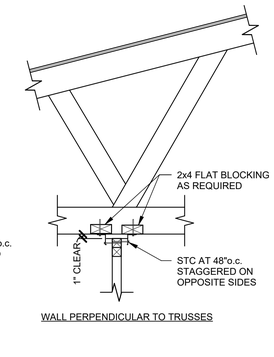
ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL
4 / S2.1
SCALE : NONE



PIPE PARALLEL TO FOOTING

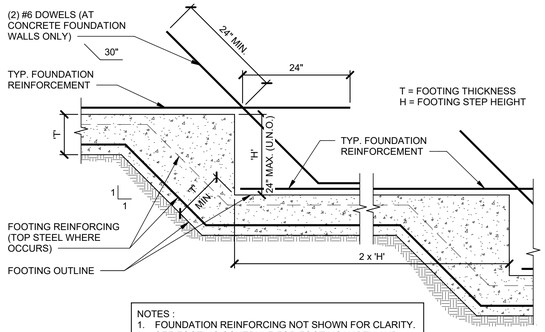


WALL PARALLEL TO TRUSSES



WALL PERPENDICULAR TO TRUSSES

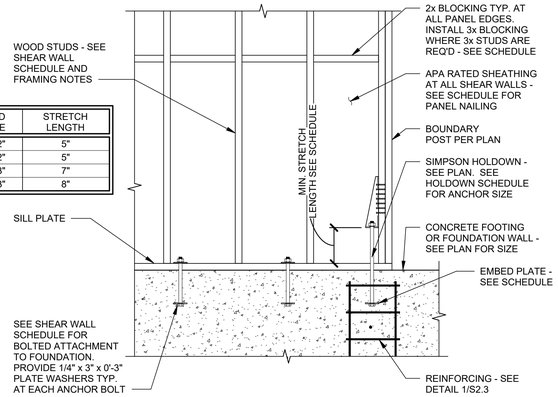
TYP. NON-BEARING WALL
5 / S2.1
SCALE : NONE



NOTES :
1. FOUNDATION REINFORCING NOT SHOWN FOR CLARITY.
2. SEE FOOTING SCHEDULE FOR FOOTING WIDTH AND REINFORCING SIZE AND LOCATION. ALL FOOTING REINFORCING REFERENCED IN THE SCHEDULE OR SHOWN IN THE DETAILS MUST RUN CONTINUOUS THROUGH THE FOOTING STEP.

TYPICAL STEPPED FOOTING
6 / S2.1
SCALE : NONE

HOLDOWN SIZE	ANCHOR SIZE	MIN. EMBEDMENT DEPTH "Le"	EMBEDDED PLATE SIZE	STRETCH LENGTH
HDU2	5/8" DIA.	12"	1/2" x 2" x 2"	5"
HDU4	5/8" DIA.	12"	1/2" x 2" x 2"	5"
HDU8	7/8" DIA.	18"	1/2" x 3" x 3"	7"
HDU11	1" DIA.	18"	1/2" x 3" x 3"	8"



TYP. HOLD DOWN DETAIL
8 / S2.1
SCALE : NONE

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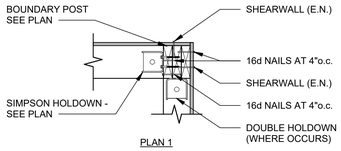
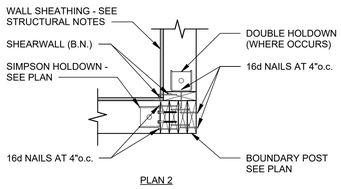
DETAILS S2.1



PLAN 1

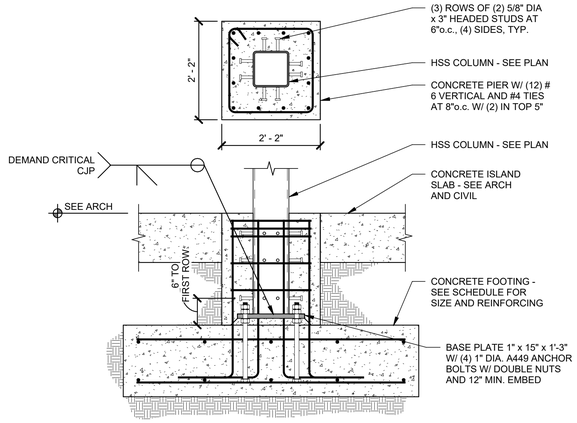


PLAN 2

NOTE: SEE DETAIL 8/S2.1 FOR TYP. HOLDOWN ANCHOR BOLT

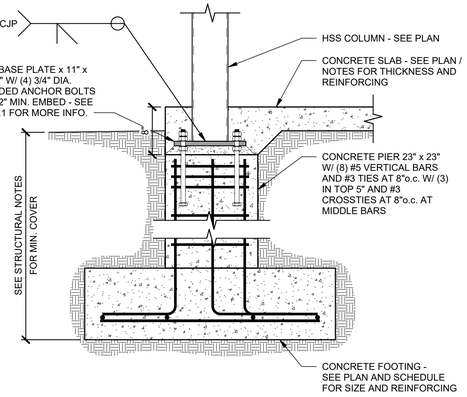
DETAIL 1/S2.2

SCALE : NONE



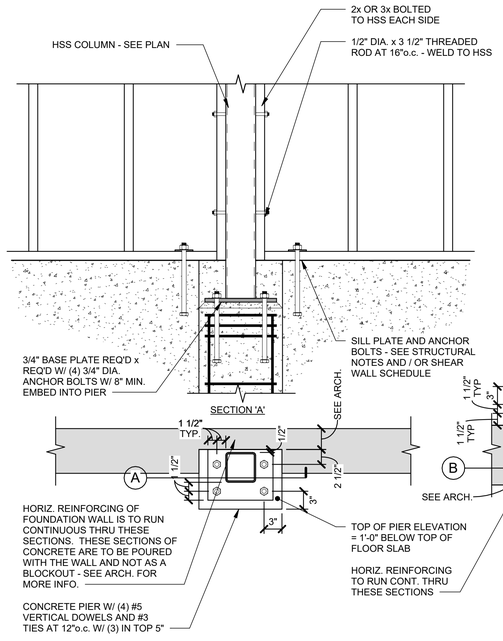
TYP. CANOPY FTG. DETAIL 2/S2.2

SCALE : NONE



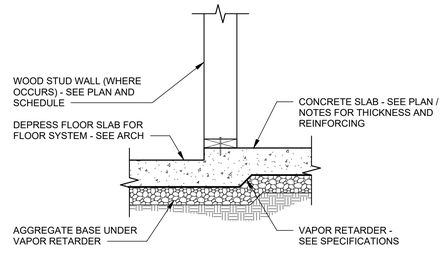
DETAIL 3/S2.2

SCALE : NONE



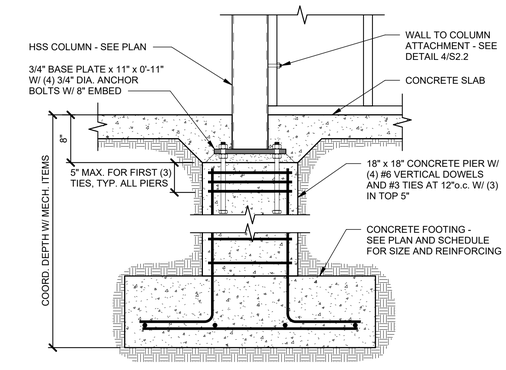
DETAIL 4/S2.2

SCALE : NONE



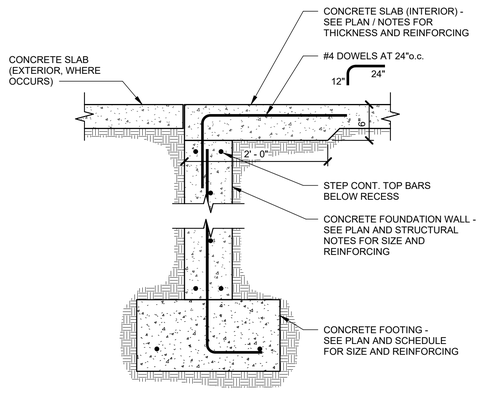
DETAIL 5/S2.2

SCALE : NONE



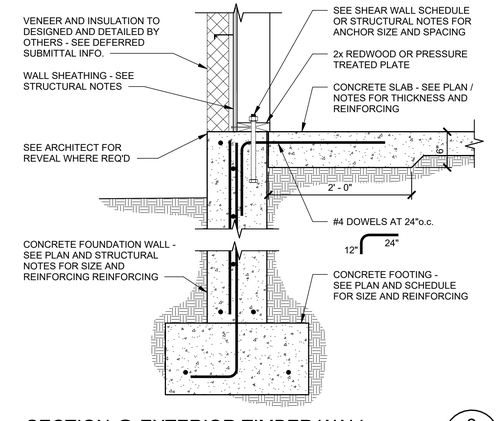
CONCRETE PIER 6/S2.2

SCALE : NONE



CONCRETE FOUNDATION @ OPENING 7/S2.2

SCALE : NONE



SECTION @ EXTERIOR TIMBER WALL 8/S2.2

SCALE : NONE

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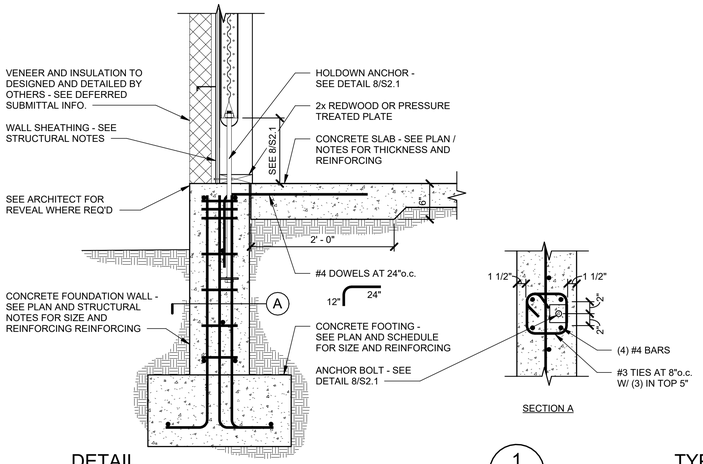
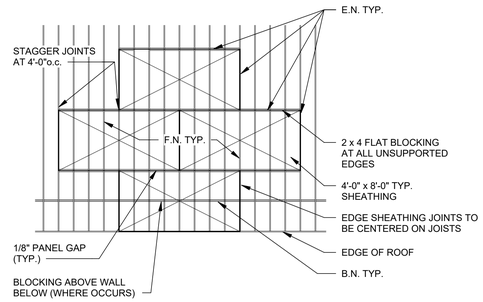
DETAILS S2.2



DETAIL

SCALE : NONE

1 S2.3



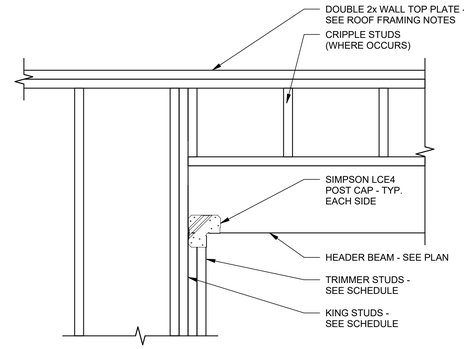
B.N. = BOUNDARY NAILING
E.N. = EDGE NAILING
F.N. = FIELD NAILING

AT ROOF

TYP. SHEATHING LAYOUT

SCALE : NONE

2 S2.3

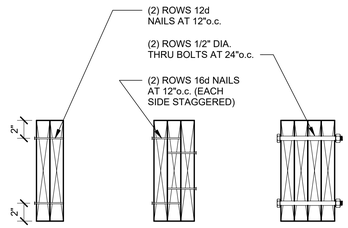


OPENING SIZE	KING STUDS	TRIMMER STUDS
UP TO 4'-0"	(2) 2x6	(2) 2x6
4'-1" TO 8'-0"	(3) 2x6	(3) 2x6
8'-1" TO 12'-0"	(2) 1 3/4" x 5 1/2" LVL	(2) 1 3/4" x 5 1/2" LVL

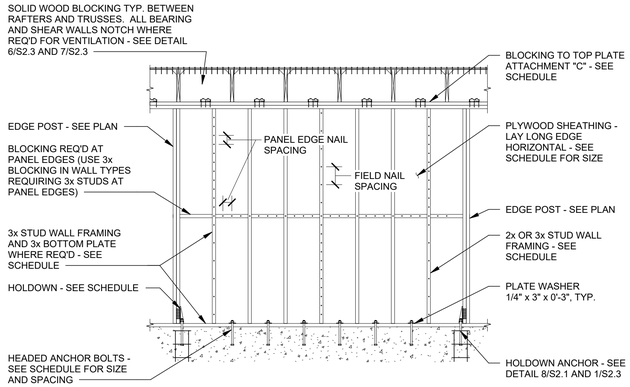
TYP. KING AND TRIMMER LAYOUT

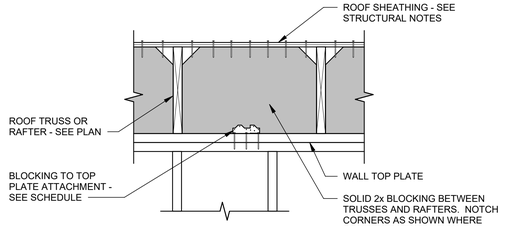
SCALE : NONE

3 S2.3

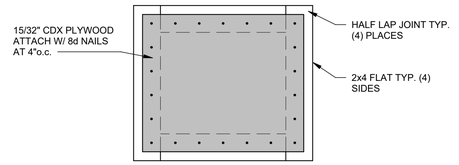


(2) PIECES (3) PIECES (4) PIECES

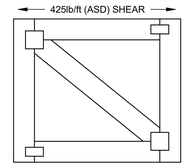




NOTE: FOR DEPTHS GREATER THAN 11-1/4" USE SOLID LSL BLOCKING BETWEEN RAFTERS.



ALTERNATE BLOCKING PANEL



PREMANUFACTURED TRUSS BLOCKING PANEL

HEADER AND BEAM MEMBER CONNECTIONS

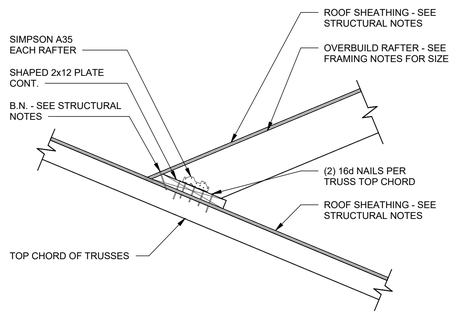
SCALE : NONE

4 S2.3

DETAIL

SCALE : NONE

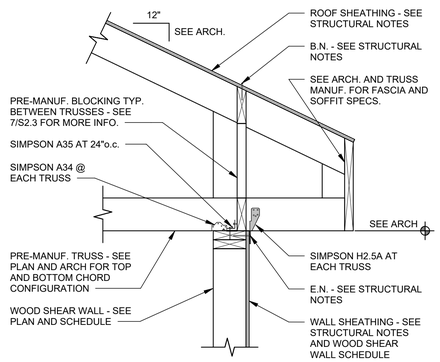
5 S2.3



DETAIL

SCALE : NONE

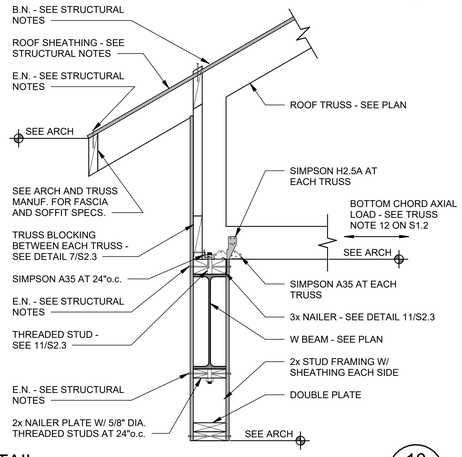
8 S2.3



DETAIL

SCALE : NONE

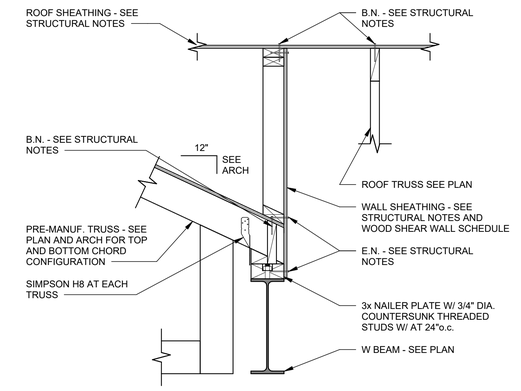
9 S2.3



DETAIL

SCALE : NONE

10 S2.3



TRUSS BLOCKING PANELS

SCALE : NONE

DETAIL

SCALE : NONE

11 S2.3

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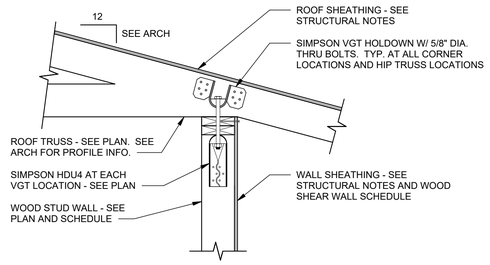
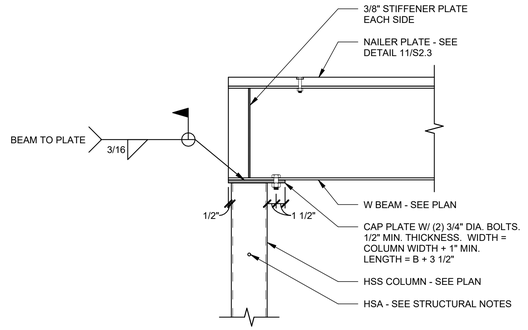
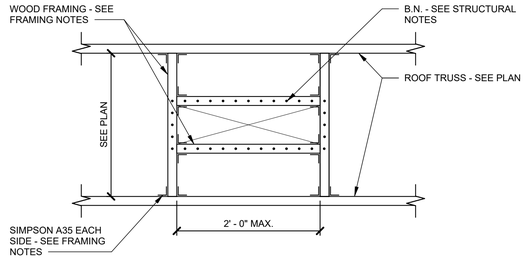
DETAILS S2.3



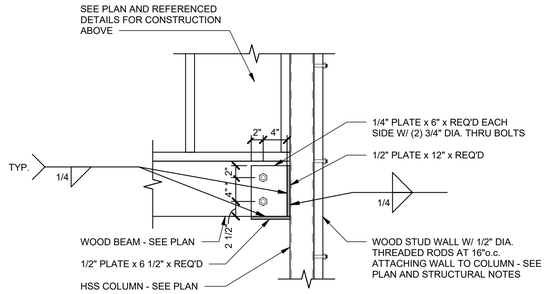
DETAIL 1
SCALE : NONE S2.4



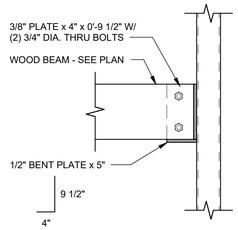
DETAIL 3
SCALE : NONE S2.4



DETAIL 4
SCALE : NONE S2.4

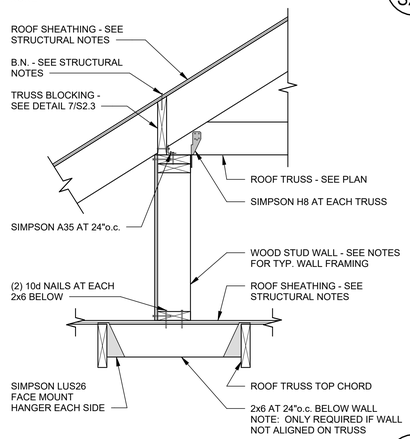


NOTE:
1. * USE 2" BOLT SPACING AT 2x MEMBERS AND ADJUST PLATE HEIGHT TO MATCH BEAM DEPTH.
2. PROVIDE BEAM WIDTH + 1/8" CLEARANCE BETWEEN SIDE PLATES.

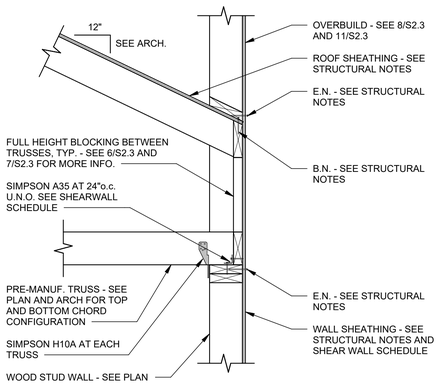


ALTERNATE CONNECTION OPTION

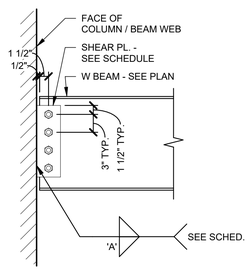
DETAIL 6
SCALE : NONE S2.4



DETAIL 7
SCALE : NONE S2.4



DETAIL 8
SCALE : NONE S2.4



CONNECTION SCHEDULE

BEAM DEPTH	SHEAR PLATE	BOLTS		WELD 'A'	COMMENTS
		No.	SIZE		
W16 x	PL. 5/16" x 4"	4	3/4" DIA.	1/4"	

CONNECTION SCHEDULE
SCALE : NONE 9 S2.4

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DETAILS S2.4

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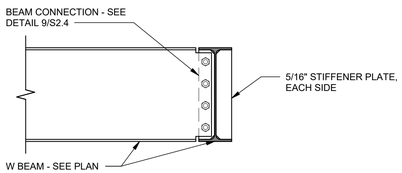
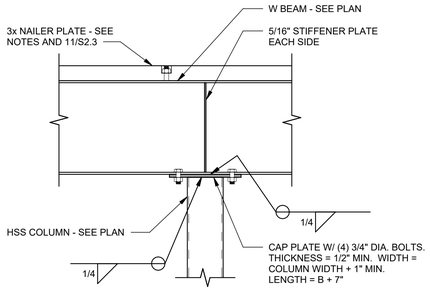
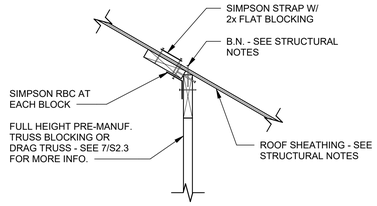
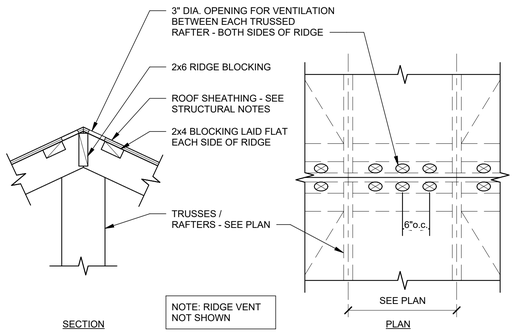


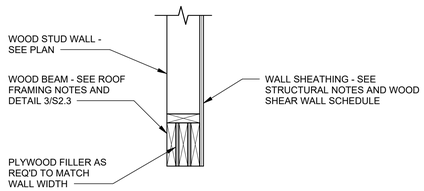




DETAIL 1/S2.5
SCALE : NONE

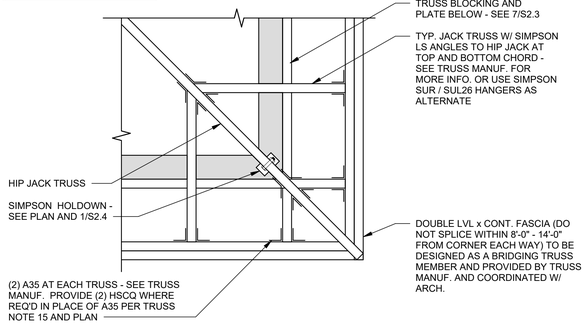


TYP. DETAIL 2/S2.5
SCALE : NONE

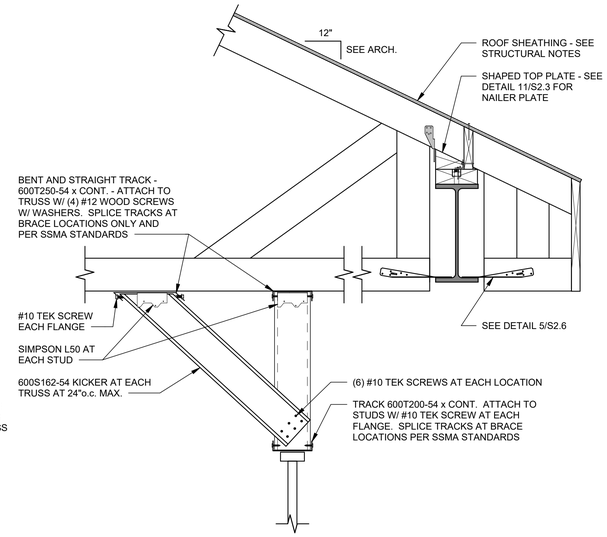


DETAIL 3/S2.5
SCALE : NONE

NOTE: TOE NAILING OF JACK TRUSS TO HIP-JACK TRUSS IS NOT AN ACCEPTABLE CONNECTION. SEE BELOW.



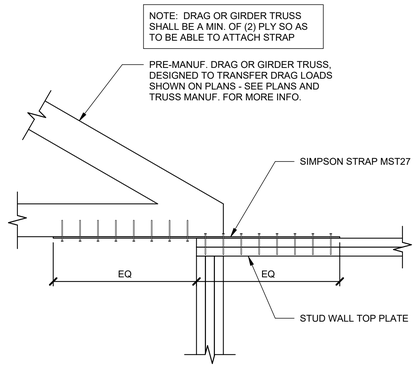
PLAN - SCHEMATIC WOOD JACK TRUSSES AT HIP JACK TRUSS. TRUSS MANUF. TO PROVIDE ACTUAL DETAILS W/ DEFERRED SUBMITTAL
SCALE : NONE



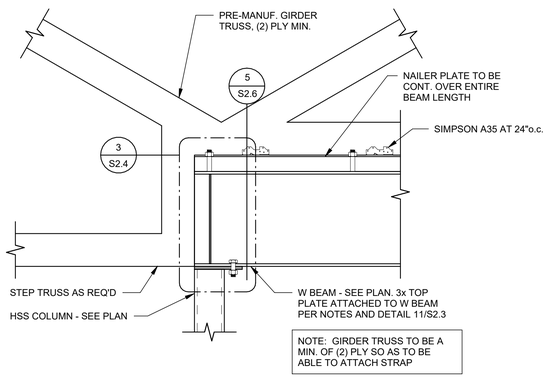
DETAIL 7/S2.5
SCALE : NONE

RIDGE VENTILATION DETAIL 4/S2.5
SCALE : NONE

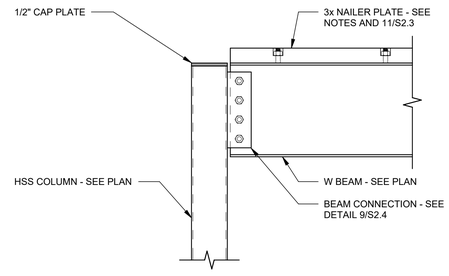
DETAIL 5/S2.5
SCALE : NONE



DETAIL 8/S2.5
SCALE : NONE



DETAIL 9/S2.5
SCALE : NONE



TYP. DETAIL 10/S2.5
SCALE : NONE

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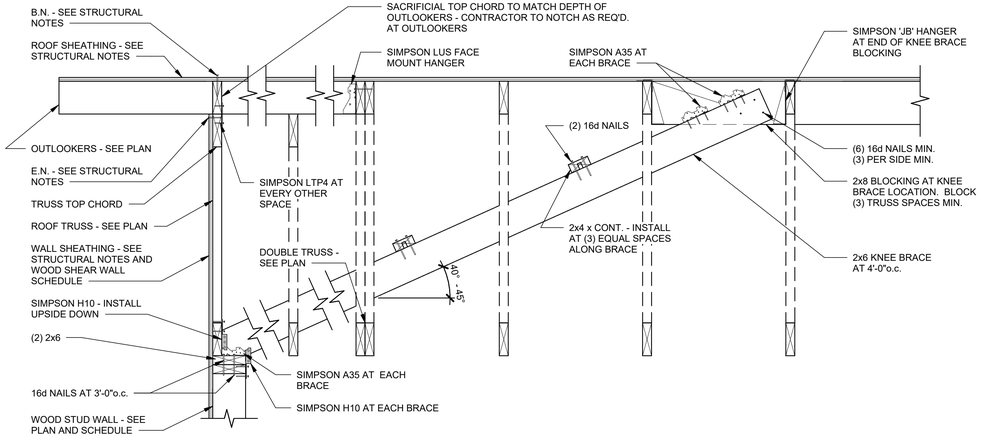
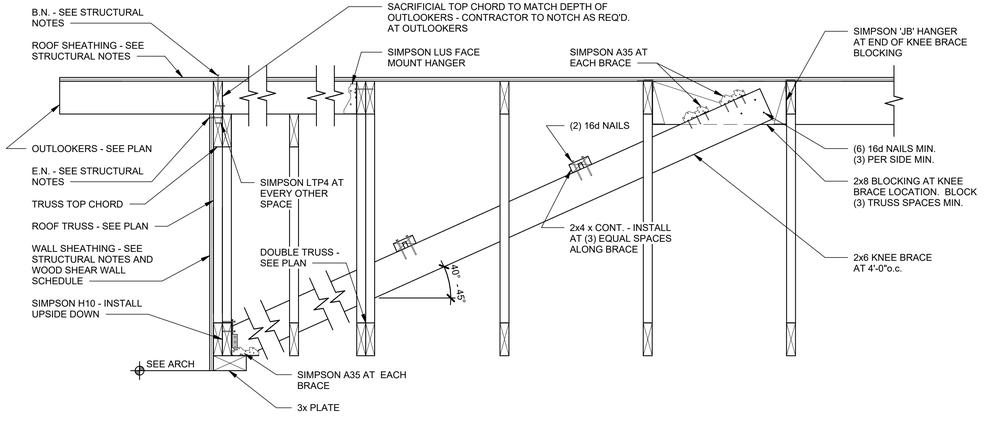
DETAILS S2.5



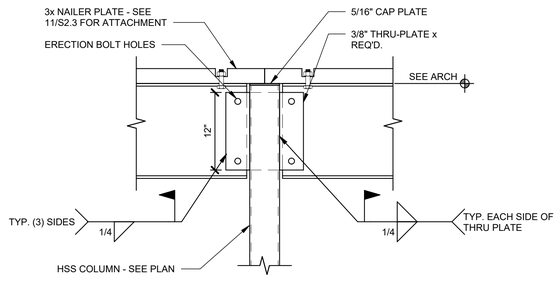
TRUSS RAKE DETAIL
SCALE : NONE

1
S2.6



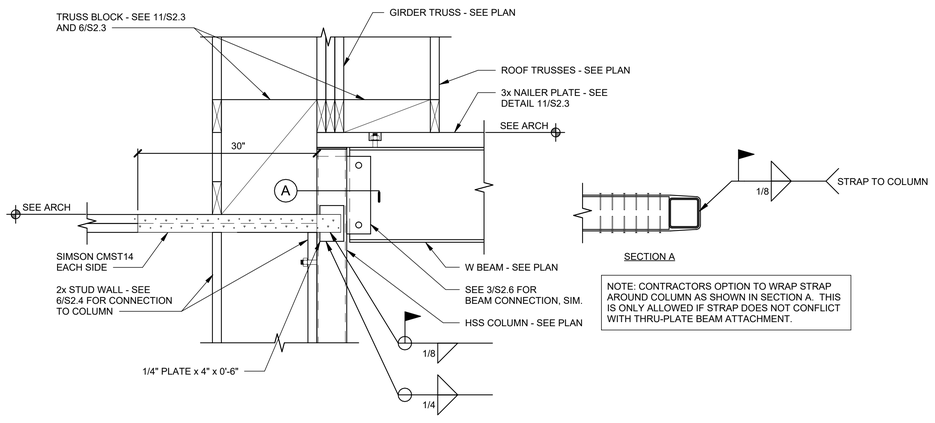
TRUSS RAKE DETAIL
SCALE : NONE

2
S2.6



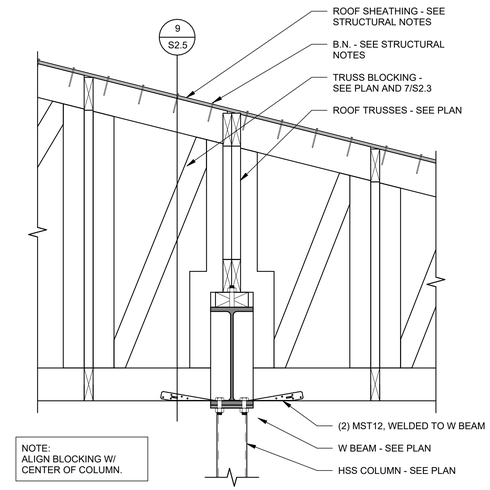
DETAIL
SCALE : NONE

3
S2.6



DETAIL
SCALE : NONE

4
S2.6



DETAIL
SCALE : NONE

5
S2.6

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DETAILS **S2.6**

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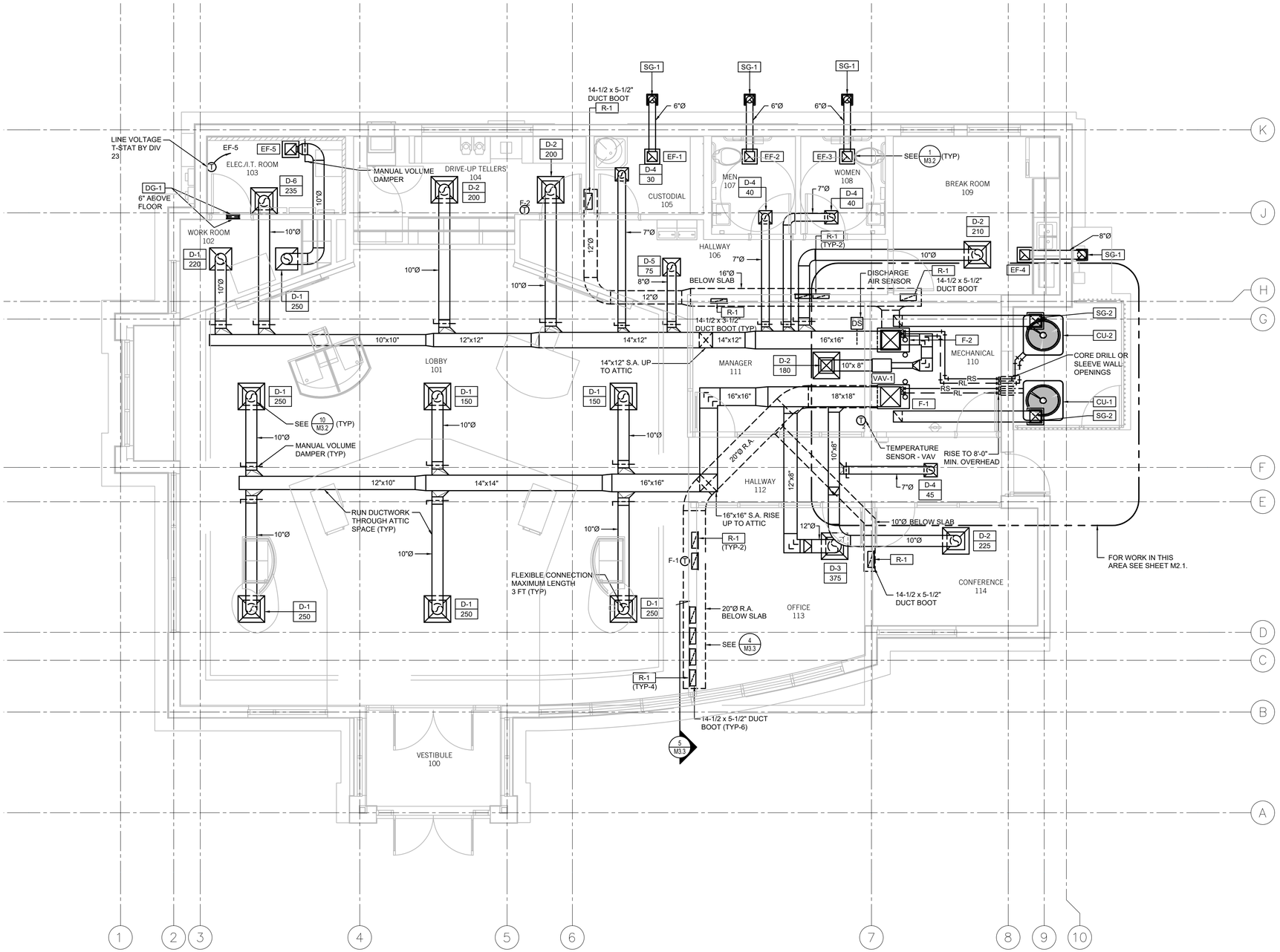

MAIN LEVEL MECHANICAL PLAN

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

GENERAL NOTES:

1. COORDINATE LOCATION OF CEILING DIFFUSERS AND CEILING GRILLES WITH LIGHTING AND REFLECTED CEILING PLAN AND MAKE ADJUSTMENTS AS REQUIRED.
2. INSTALL 3" R-8 DUCT WRAP INSULATION ON ALL ROUND DUCT WORK IN ATTIC ABOVE BUILDING INSULATION AND 1-1/2" ON ROUND DUCT WORK BELOW ATTIC INSULATION (TYP)
3. INSTALL 1-1/2" DUCT WRAP INSULATION ON LINED DUCT ABOVE BUILDING INSULATION.
4. ALL UNDERGROUND RETURN AIR DUCTWORK SHALL 18 GAUGE CRUSH RESISTANT, G-60 GALVANIZED STEEL DUCT WITH AN INTERNAL AND EXTERNAL 4 MIL THICK PVC COATING. ALL UNDERGROUND DUCTS SHALL BE INCASED IN A MINIMUM OF 2" LIGHT WEIGHT CONCRETE.
5. ALL RETURN AIR WALL GRILLES SHALL BE INSTALLED A MINIMUM OF 3" ABOVE THE WALL BASE.

LEGEND AND ABBREVIATIONS	
—— RL ——	REFRIGERANT LIQUID
——RS——	REFRIGERANT SUCTION
AD	ACCESS DOOR
R.A.	RETURN AIR
S.A.	SUPPLY AIR
O.A.	OUTSIDE AIR
E.A.	EXHAUST AIR
T	THERMOSTAT
S	SENSOR
P.O.C.	POINT OF CONNECTION
M	MOTORIZED DAMPER
	S.A. DUCT SECTION UP
	S.A. DUCT SECTION DN
	FLEXIBLE DUCT CONNECTION
	MANUAL DAMPER
	UNDERGROUND DUCT
	R.A., E.A. OR O.A. DUCT SECTION UP
	R.A., E.A. OR O.A. DUCT SECTION DN
	SUPPLY AND RETURN AIR DUCT TAKE-OFF
	SINGLE THICKNESS TURNING VANES
	DUCT TRANDITION

MECHANICAL DRAWING INDEX	
#	SHEET NAME
M1.1	MAIN LEVEL MECHANICAL PLAN
M2.1	ENLARGED MECHANICAL PLAN AND SECTION
M3.1	MECHANICAL DETAILS
M3.2	MECHANICAL DETAILS
M3.3	MECHANICAL DETAILS
M4.1	MECHANICAL SCHEDULES
ME1.1	MECHANICAL CONTROLS

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OLSEN & PETERSON
consulting engineers, inc.
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Phone: (801) 486-4646 Fax: (801) 467-2531

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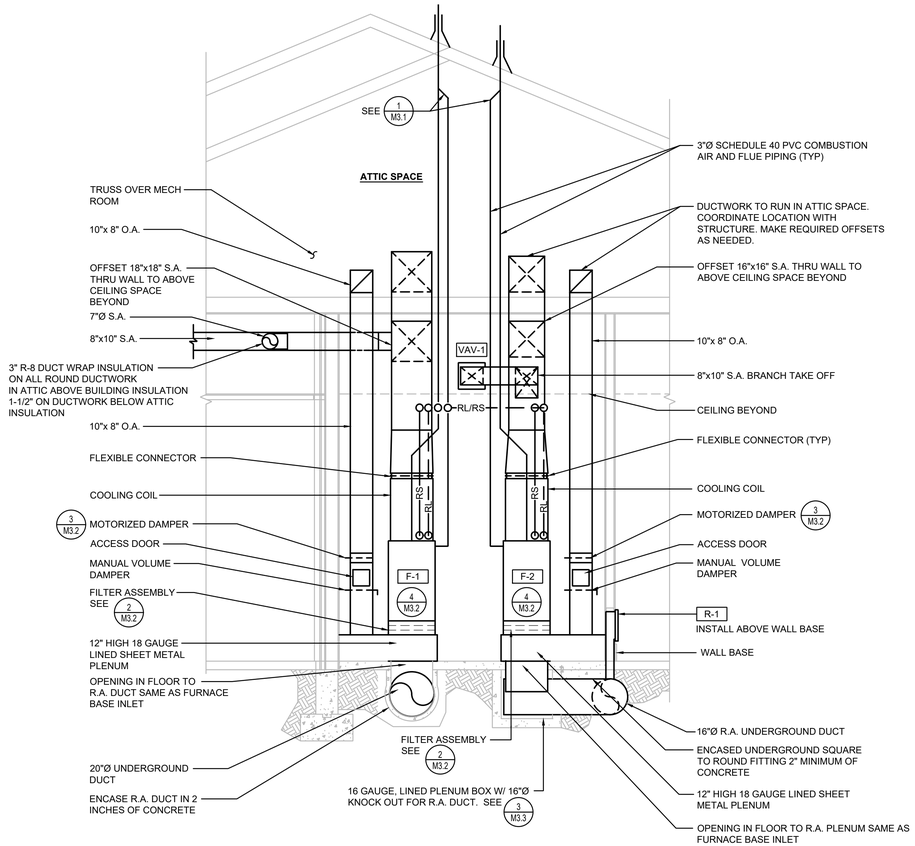
MAIN LEVEL MECHANICAL PLAN

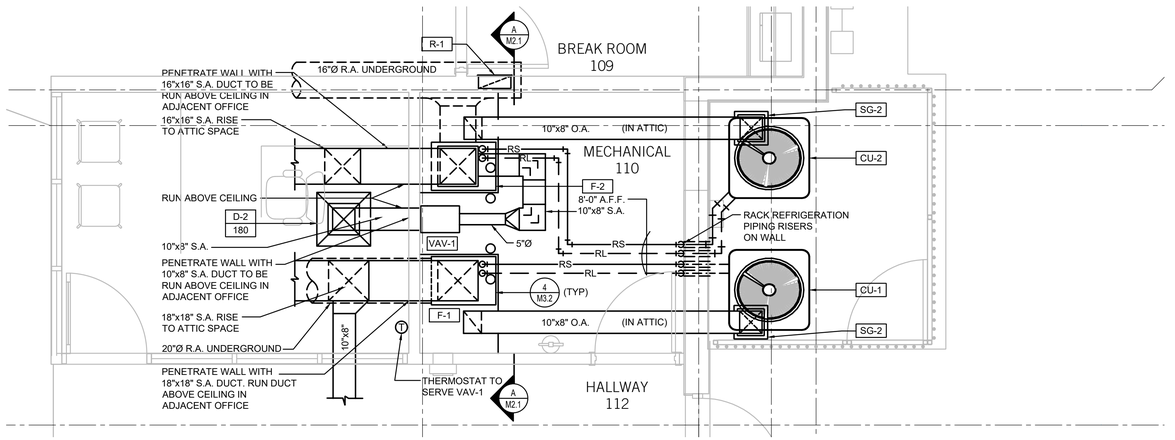
MAIN LEVEL MECHANICAL PLAN M1.1



MECHANICAL SECTION

A M2.1

SCALE: 3/8" = 1'-0"



N

ENLARGED MECHANICAL ROOM PLAN

SCALE: 3/8" = 1'-0"

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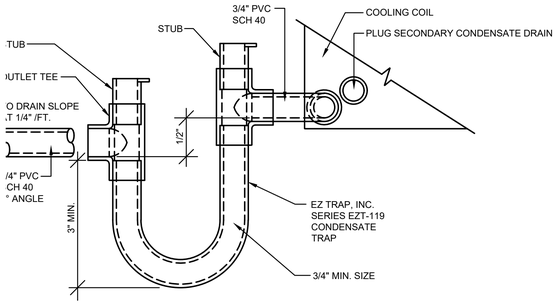
ENLARGED MECHANICAL ROOM PLAN & SECTION

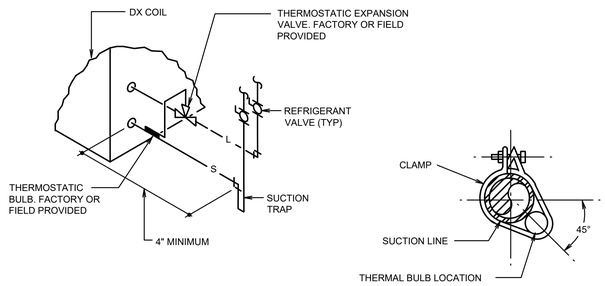
M2.1



COOLING COIL CONDENSATE DRAIN DETAIL

SCALE: NONE

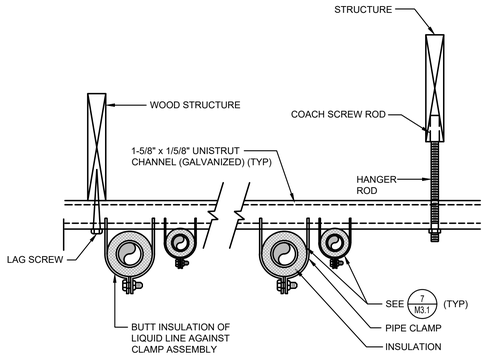
8 / M3.1



REFRIGERANT COIL CONNECTION DETAIL

SCALE: NONE

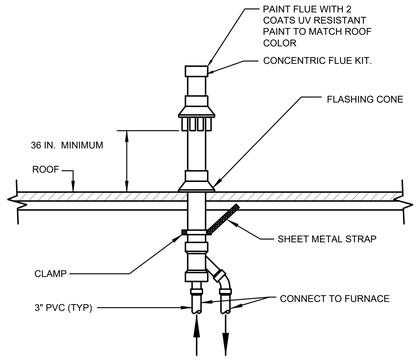
5 / M3.1



PIPE SUPPORT IN BUILDING DETAIL

NOT TO SCALE

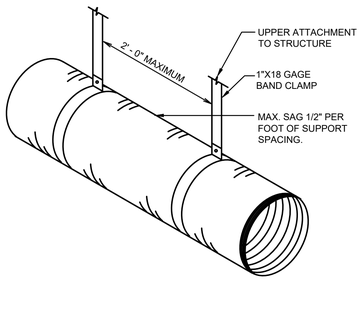
3 / M3.1



FURNACE VENTING DETAIL

NOT TO SCALE

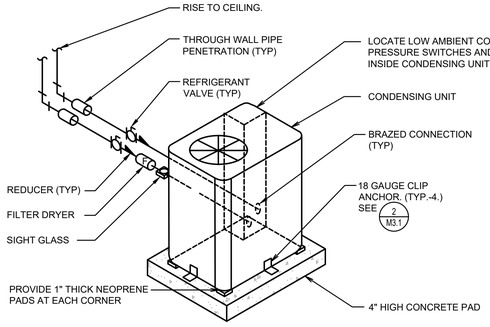
1 / M3.1

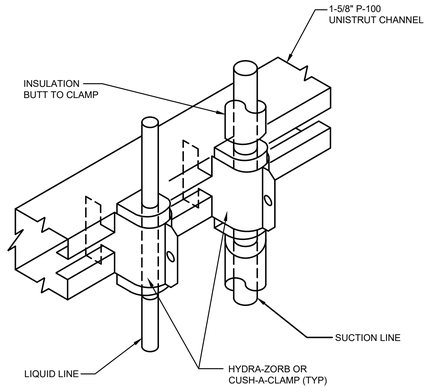


FLEXIBLE DUCT SUPPORT DETAIL

NOT TO SCALE

6 / M3.1

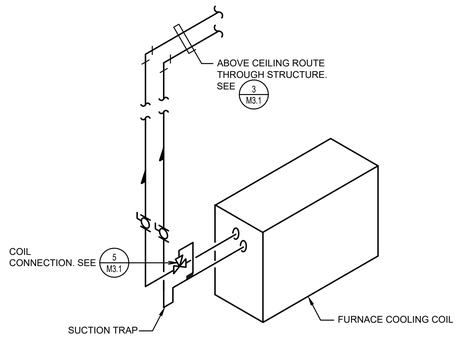




REFRIGERANT PIPE SUPPORT

SCALE: NONE

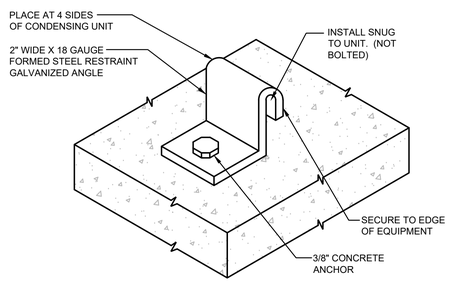
7 / M3.1



REFRIGERANT PIPING DETAIL

SCALE: NONE

4 / M3.1



CONDENSING UNIT RESTRAINT

SCALE: NONE

2 / M3.1

MECHANICAL DETAILS

STUDIO 333 ARCHITECTS
333 24TH STREET
OGDEN, UT 84401
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NO.	DATE	DESCRIPTION

BID SET
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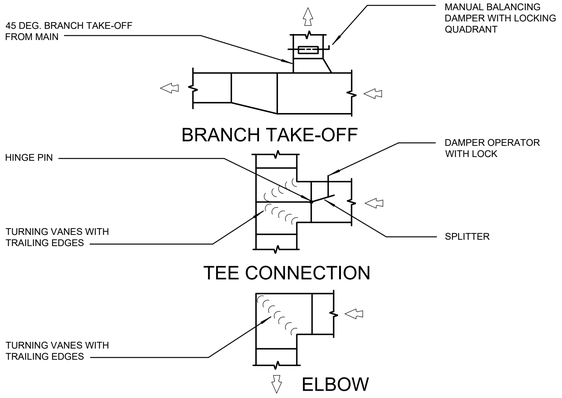
PROJECT NUMBER: 2305

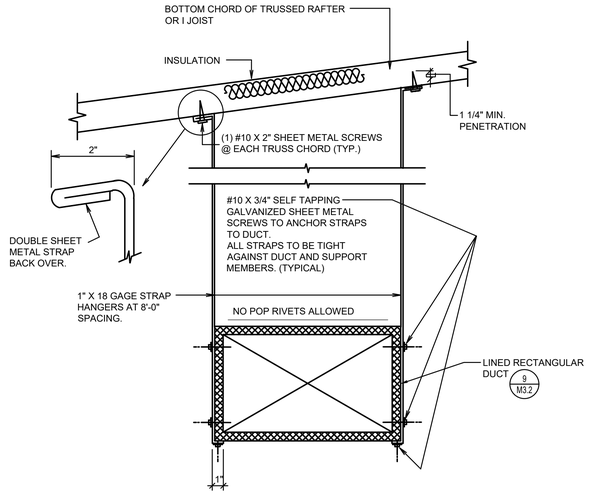
MECHANICAL DETAILS M3.1



LOW PRESSURE DUCT DETAILS

NOT TO SCALE

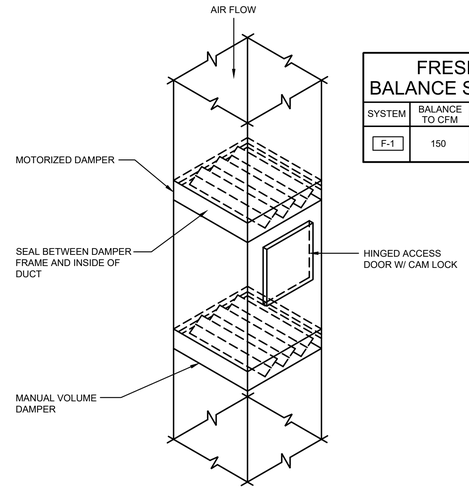
8 / M3.2



DUCT STRAP HANGER DETAIL

SCALE: NONE

5 / M3.2

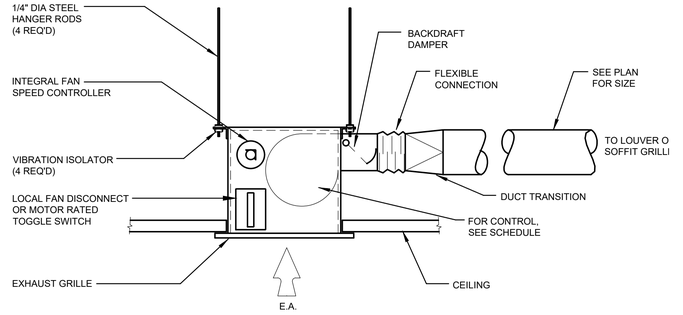


FRESH AIR BALANCE SCHEDULE			
SYSTEM	BALANCE TO CFM	SYSTEM	BALANCE TO CFM
F-1	150	F-2	100

OUTSIDE AIR DAMPER INSTALLATION

SCALE: NONE

3 / M3.2



CEILING EXHAUST FAN DETAIL

NOT TO SCALE

1 / M3.2

DUCT LINER DETAIL

NOT TO SCALE

9 / M3.2

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1) MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS MIN. H, IN.	DRIVE SLIP / PLAIN S SLIP RECOM-MENDED GAGE	HEMMED S SLIP RECOM-MENDED GAGE	ALTER'NT BAR SLIP RECOM-MENDED GAGE	REIN-FORCED BAR SLIP RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13 - 18	24	NONE REQUIRED	1	24	24	24	24
19 - 30	24	1"X1"X1/8" @ 60 IN	1	-	24	24	24
31 - 36	22	1"X1"X1/8" @ 60 IN	1	-	-	22	22

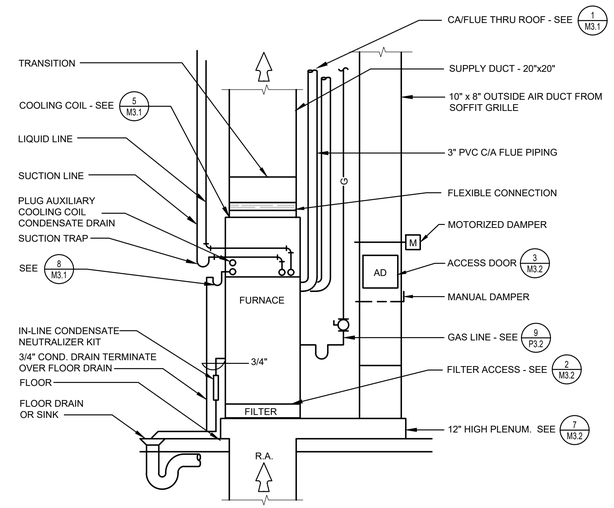
(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

(2) LONGITUDINAL JOINTS TO BE PITTSBURG OR SNAP LOCK TYPE.

DUCT CONSTRUCTION DETAIL

SCALE: NONE

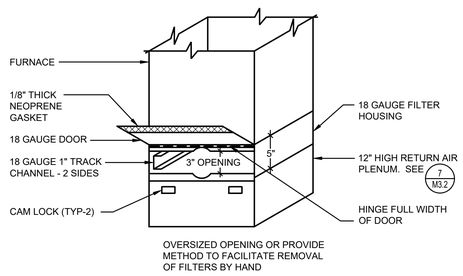
6 / M3.2



TYPICAL FURNACE DETAIL

NOT TO SCALE

4 / M3.2

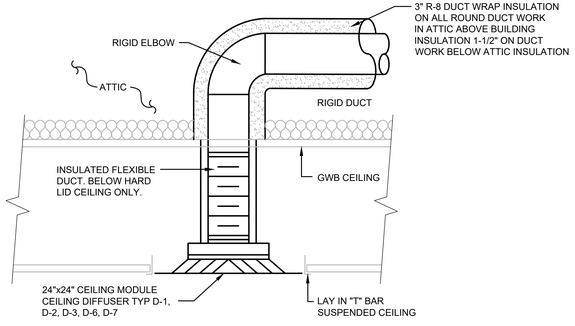


NOTE:
INSTALL DOOR ON SIDE AS SHOWN OR ON TOP IF REQUIRED TO AVOID PIPING FROM FURNACE

VERTICAL FURNACE EXTERNAL FILTER SECTION DETAIL

NOT TO SCALE

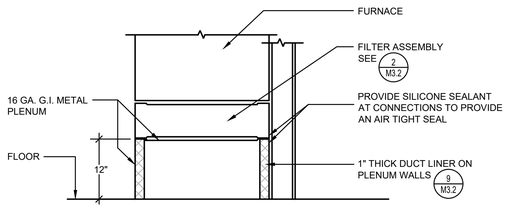
2 / M3.2



DIFFUSER INSTALLATION DETAIL

NOT TO SCALE

10 / M3.2



PLENUM CONSTRUCTION DETAIL

SCALE: NONE

7 / M3.2

MECHANICAL DETAILS

STUDIO 333 ARCHITECTS
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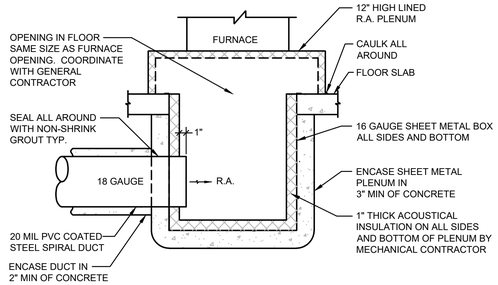
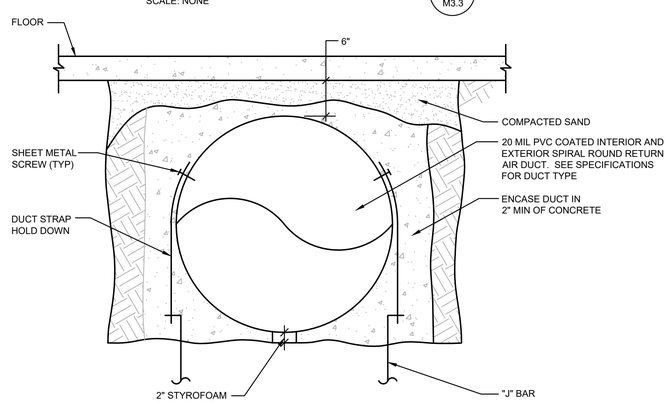
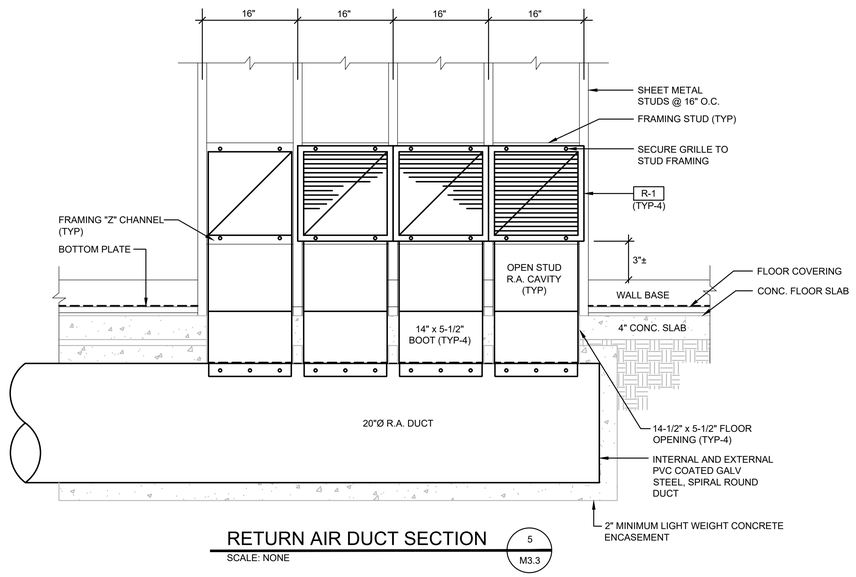
MECHANICAL DETAILS M3.2



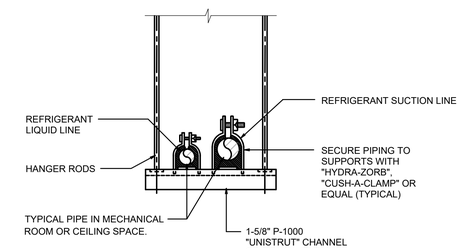
RETURN AIR PLENUM DETAIL 3
SCALE: NONE — M3.3



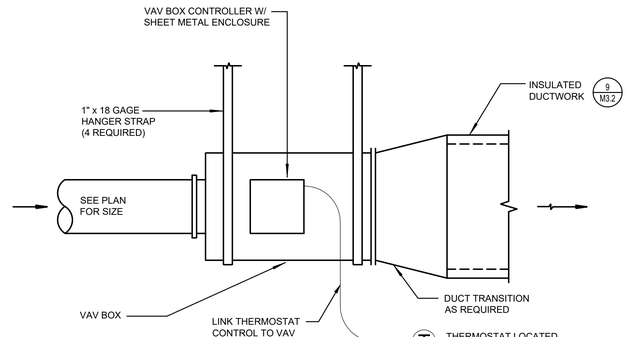
UNDERGROUND DUCT DETAIL 4
SCALE: NONE — M3.3



RETURN AIR DUCT SECTION 5
SCALE: NONE — M3.3



PIPE SUPPORT DETAIL 1
SCALE: NONE — M3.3



V.A.V. BOX DETAIL 2
NOT TO SCALE — M3.3

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MECHANICAL DETAILS

MECHANICAL DETAILS M3.3

DIFFUSER SCHEDULE

SYMBOL	TYPE	NECK SIZE (1)	LOCATION	AIR PATTERN	MAKE & MODEL
D-1 CFM	SUPPLY AIR	10"Ø	CEILING	4-WAY	NAILOR 6500L W/OBD 24"x24" MODULE (1)
D-2 CFM	SUPPLY AIR	10"Ø	CEILING	3-WAY	NAILOR 6500L W/OBD 24"x24" MODULE (1)
D-3 CFM	SUPPLY AIR	12"Ø	CEILING	3-WAY	NAILOR 6500L W/OBD 24"x24" MODULE (1)
D-4 CFM	SUPPLY AIR	7"Ø	CEILING	3-WAY	NAILOR 6500L W/OBD 12"x12" MODULE (1)
D-5 CFM	SUPPLY AIR	8"Ø	CEILING	2-WAY OPPOSITE	NAILOR 6500L W/OBD 12"x12" MODULE (1)
D-6 CFM	SUPPLY AIR	10"Ø	CEILING	3-WAY	NAILOR 6500L W/OBD 24"x24" MODULE (1)
R-1	RETURN AIR	14" x 14"	LOW WALL	N/A	NAILOR 6145-HD (1)
SG-1	EXHAUST AIR	8" x 8"	SOFFET	N/A	NAILOR 5155-15 (2)
SG-2	OUTSIDE AIR	12" x 12"	SOFFET	N/A	NAILOR 5155-15 (2)
DG-1	TRANSFER AIR	12" x 12"	DOOR	N/A	NAILOR 61DGD

NOTES:
(1) ALL CEILING DIFFUSERS AND WALL GRILLES TO BE POWDER COATED BRIGHT WHITE FINISH.
(2) SOFFIT GRILLES TO BE POWDER COATED BRIGHT WHITE FINISH.

VAV TERMINAL SCHEDULE

SYMBOL	MAX CFM RANGE	MIN. CFM	INLET SIZE	A.P.D.	MAKE & MODEL (1)(2)
VAV-1	200	65	5" DIA.	.01	TITUS TA1 W/ ANALOG ELECTRONIC CONTROLS INCLUDING THERMOSTAT AND ACTUATOR CONTROLLER TYPE AT34

NOTES:
(1) VAV TERMINAL SHALL HAVE AUTO SWITCH OVER FROM HEATING TO COOLING
(2) VAV TERMINAL SHALL BE A STAND ALONE UNIT
(3) OPERATING SEQUENCE: A FURNACE OR DUCT MOUNTED DISCHARGE AIR SENSOR SHALL CONTROL THE HEATING AND COOLING MODES FOR THE VAV TERMINAL.
IN COOLING MODE, WITH FURNACE DISCHARGE AIR TEMPERATURE BELOW 70 DEG F, THE VAV TERMINAL DAMPER SHALL MODULATE OPEN TO MAINTAIN ROOM SETPOINT TEMPERATURE; INCREASING DAMPER POSITION TO A FULL OPEN POSITION TO MAXIMUM COOLING CFM IF REQUIRED. DAMPER SHALL REACH FULL OPEN POSITION 2 DEG ABOVE SETPOINT.
IN HEATING MODE, WITH FURNACE DISCHARGE AIR TEMPERATURE ABOVE 80 DEG F, THE VAV TERMINAL DAMPER SHALL MODULATE OPEN TO MAINTAIN ROOM SETPOINT TEMPERATURE; INCREASING DAMPER POSITION TO A FULL OPEN POSITION TO MAXIMUM HEATING CFM IF REQUIRED.DAMPER SHALL REACH FULL OPEN POSITION 2 DEG BELOW SETPOINT.

CONDENSING UNIT SCHEDULE

SYMBOL	SERVES	COOLING CAPACITY				ELECTRICAL								(1)(2)(3) MANUFACTURER & MODEL
		MIN SEER	CAPACITY	E.A.T.	REF	COMP	NO.	FAN	NO.	VOLTS	PH	HZ	MCA	
CU-1	F-1	21.0	60,000	105° F	R-410A	26.4	1	1.2	1	208/230	1	60	35	CARRIER 24 ACC 660
CU-2	F-2	21.0	42,000	105° F	R-410A	17.9	1	1.2	1	208/230	1	60	24	CARRIER 24 ACC 642

NOTES:
(1) MOUNT CONDENSING UNIT ON 4" HIGH CONCRETE PAD WITH 1" THICK NEOPRENE VIBRATION ISOLATORS.
(2) 15 SEER MINIMAL ACCEPTABLE. 2 STAGE SCROLL COMPRESSOR.
(3) PROVIDE SEISMIC HOLD DOWN CLIPS- 4 PER CONDENSING UNIT.

FURNACE AND COOLING COIL SCHEDULE

SYMBOL	ARRANG.	(2) TWO STAGE HTG. CAP. BTUH OUTPUT	CFM	EXT. S.P.	OUTSIDE AIR (CFM)	CLG. COIL CAP.		MOTOR			MANUFACTURER & MODEL (1)(2)(3)(4)
						BTUH	COND.	H.P.	ELECT.	SPEED	
F-1	UPFLOW	117,000 / 76,000	1720	0.7"	150	60,000	95°F	1.0	120/1/60	MULTI-22	FURNACE: CARRIER 59TP6C120V24-22 CASED COIL: CARRIER CNPVP6024
F-2	UPFLOW	97,000 / 63,000	1430	0.7"	100	42,000	95°F	1.0	120/1/60	MULTI-15	FURNACE: CARRIER 59TP6C100V21-20 CASED COIL: CARRIER CNPVP4221

NOTES:
(1) FURNACES TO BE COMPLETE WITH MATCHING CASED DX N SERIES COOLING COILS, ECM MULTI SPEED BLOWER AND CONCENTRIC FLUE KITS.
(2) TWO-STAGE HIGH/LOW FIRE HEATING FURNACE. FURNISH WITH CONDENSATE NEUTRALIZER KIT.
(3) PROVIDE EXTERNAL FILTER RACK MODEL ACG MATCHED TO BOTTOM FURNACE OPENING. COMPLETE WITH MERV 8 PLEATED FILTERS. SEE DETAIL 2/M3.2.
(4) PROVIDE 12" HIGH LINED RETURN AIR PLENUM BASE. SEE DETAIL 7/M3.2.

FURNACE/COIL PIPING SCHEDULE

SYMBOL	LIQUID LINE	SUCTION LINE
F-1	3/8"	7/8"
F-2	3/8"	3/4"

EXHAUST FAN SCHEDULE

SYMBOL	SERVES	TYPE	C.F.M	S.P.	R.P.M.	MOTOR	DRIVE	MAKE & MODEL	NOTES
EF-1	CUSTODIAL	CEILING TYPE	75	.125	640	0.125 H.P. 120/1/60	DIRECT	BROAN L100	(1)
EF-2	MEN	CEILING TYPE	75	.125	640	0.125 H.P. 120/1/60	DIRECT	BROAN L100	(1)
EF-3	WOMEN	CEILING TYPE	75	.125	640	0.125 H.P. 120/1/60	DIRECT	BROAN L100	(1)
EF-4	BREAKROOM	CEILING TYPE	200	.125	740	0.125 H.P. 120/1/60	DIRECT	BROAN L200	(1)
EF-5	ELEC./ IT	CEILING TYPE	250	.125	830	0.125 H.P. 120/1/60	DIRECT	BROAN L250	(2)

NOTES:
(1) FAN TO BE COMPLETE WITH SPRING VIBRATION ISOLATION KIT, BACKDRAFT DAMPER, INTEGRAL WIRED FAN SPEED CONTROLLER AND WIRED TO WALL MOUNTED DIVISION 26 0000 CONTROL.
(2) TO BE FURNISHED WITH LINE VOLTAGE WALL MOUNTED THERMOSTAT CONTROL. BY DIVISION 23 0000.

STUDIO 333

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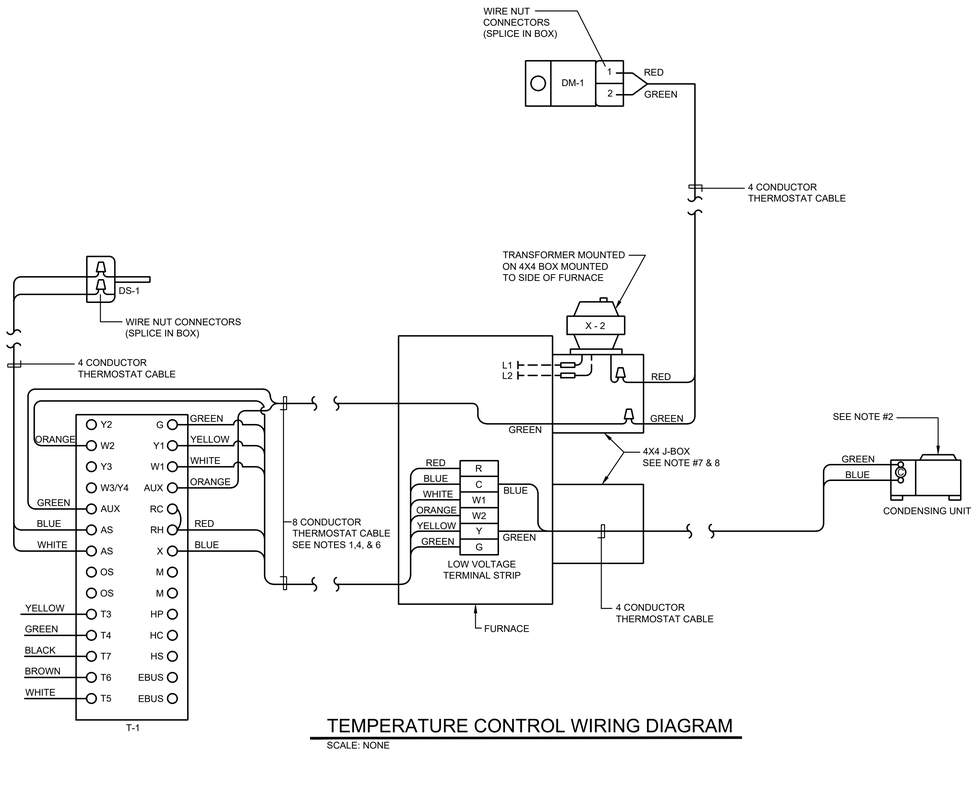
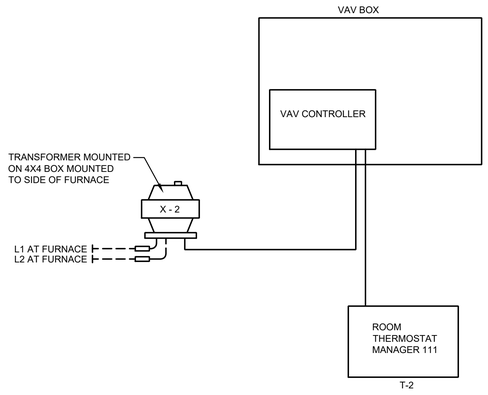
MECHANICAL SCHEDULES

MECHANICAL SCHEDULES M4.1



TEMPERATURE CONTROL WIRING DIAGRAM

SCALE: NONE



NOTE:
FINAL WIRING SHALL BE AS RECOMMENDED BY THE VAV BOX MANUFACTURER.

TYPICAL VAV BOX WIRING DIAGRAM

SCALE: NONE

CONTROL EQUIPMENT		
MARK	DESCRIPTION	CAT. NO. (1)
T-1	THERMOSTAT	COMMERCIAL GRADE SEE (3)
T-2	THERMOSTAT	FURNISHED WITH VAV BOX
DS-1	DISCHARGE AIR SENSOR	C7041B2005
DM-1	DAMPER MOTOR TWO POSITION	MS8105A1008
X-2	TRANSFORMER 120V/ 24V 50 VA	AT150F1002

(1) ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE. SEE NOTE 3

(2) SEE SPECIFICATIONS FOR CONTROL SEQUENCES.

(3) SUBJECT TO REQUIREMENTS INDICATED ON THIS DRAWING AND THE SPECIFICATIONS; ACCEPTABLE MANUFACTURERS OF TEMPERATURE CONTROLS INCLUDE:

- HONEYWELL VISION PRO 8000
- PELICAN TS200
- CARRIER INFINITY SERIES
- CLIMATE MASTER CM500

NOTES:

1. THERMOSTAT CABLE - 4, 8 OR 12 CONDUCTOR - 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLEINE. CONDUCTORS PARALLEL ENCLOSED IN BROWN PVC JACKET. (NO 22 AEG CABLE ALLOWED)
2. IF CONDENSING UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN CONDENSING UNIT TO PROPERLY INTERFACE CONTROLS.
3. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS. AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
4. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
5. VERIFY THAT FURNACE FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
6. DO NOT SPLICE WIRE IN RUNS FROM THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
7. PROVIDE CHASE NIPPLE W/ PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
8. PROVIDE CABLE CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.
9. ALL TEMPERATURE CONTROL WIRING IS TO BE RUN IN CONDUIT.

LEGEND:

- DIVISION 26 OR FACTORY PRE-WIRED
- DIVISION 23 WIRING, CONDUIT BY DIVISION 26

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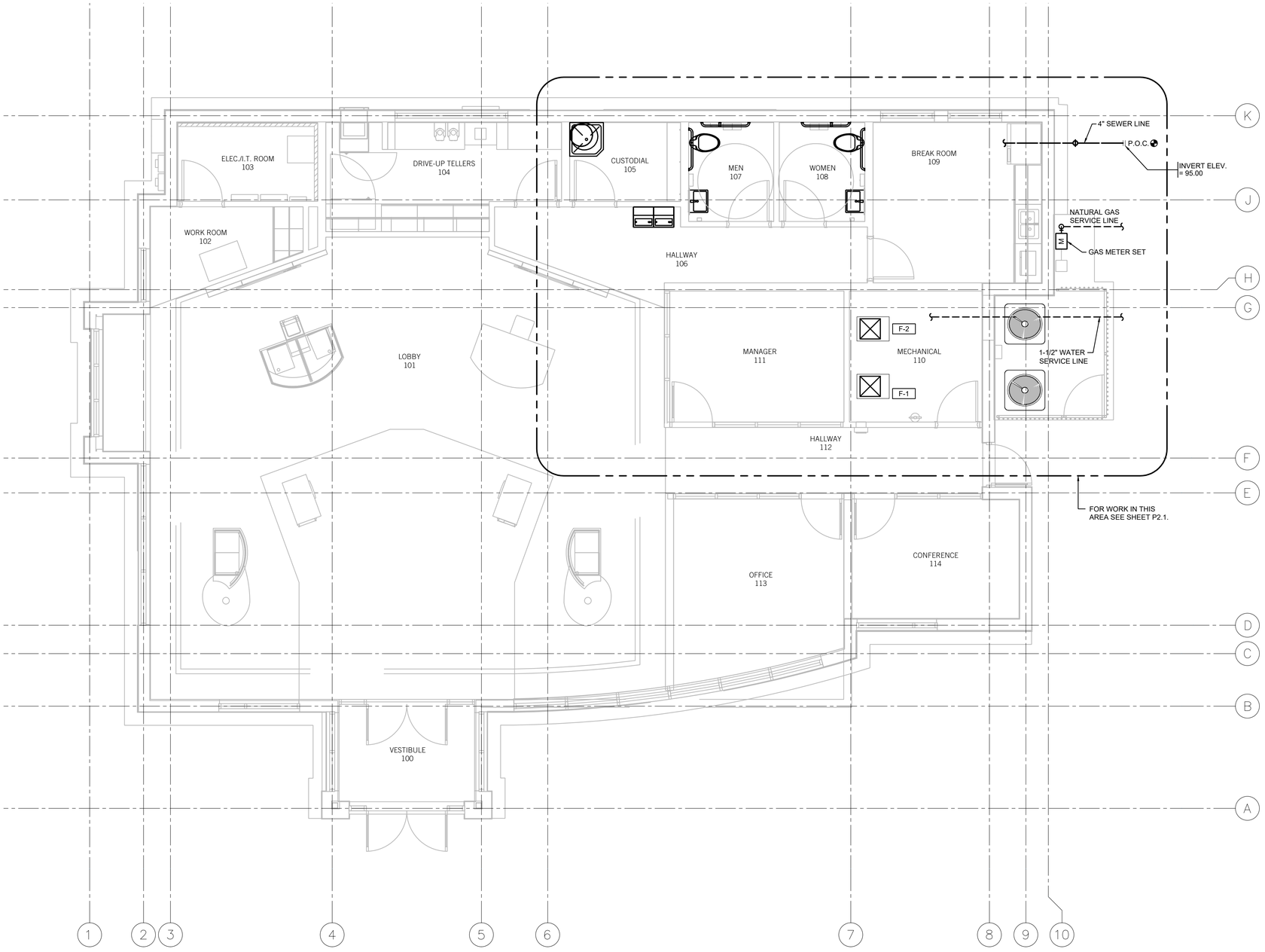
TEMPERATURE CONTROL WIRING DIAGRAM

MECHANICAL CONTROLS ME1.1



N

PLUMBING PLAN

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

PLUMBING PIPING LEGEND

DESCRIPTION	SYMBOL
WASTE	
VENT	
COLD WATER	
HOT WATER	
HOT WATER RECIRC	
NATURAL GAS (2 PSIG)	G 2 #
DRAIN	D

BUILDING SERVICES PIPING MATERIALS LISTING AND IDENTIFICATION

Potable Water Piping Systems:
Above-Grade - Copper pipe and tubing meeting requirements of ASTM B 88, Type L with wrought copper sweat fittings with 95/5 or 96/4 Tin-Antimony solder.
Identification: Cold Water (CW): Blue Lettering on White Background. Hot Water (HW): Red Lettering on White Background.

Below-Grade - Copper meeting requirements of ASTM B 88, Type K with wrought copper brazed fittings with AWS Classification BCuP-4 Copper Phosphorus or AWS Classification BCuP-5 Copper Phosphorus rods and white brazing or high quality silver solder flux.
Identification: Detectable metal trace wire tape. Black Lettering "BURIED WATER LINE" on blue or Yellow Background.

Sanitary Waste, Drain and Vent Piping Systems:
Above Grade - ABS Schedule 40 solid-wall ASTM D 2661, plastic pipe and socket type fittings, made to ASTM D 3311, drain, waste, and vent patterns. Joined using pipe cement meeting requirements of ASTM 2235.
Identification: Green Lettering on White Background.

Below Grade - ABS Schedule 40 solid-wall ASTM D 2661, plastic pipe and socket type fittings, made to ASTM D 3311, drain, waste, and vent patterns. Joined using pipe cement meeting requirements of ASTM 2235.

Above Grade - PVC Schedule 40 solid-wall ASTM D 2665, plastic pipe and socket type fittings, made to ASTM D 3311, drain, waste, and vent patterns. Joined using cement primer meeting requirements of ASTM F 656 and pipe cement meeting requirements of ASTM D 2564.
Identification: Green Lettering on White Background.

Below Grade - PVC Schedule 40 solid-wall ASTM D 2665, plastic pipe and socket type fittings, made to ASTM D 3311, drain, waste, and vent patterns. Joined using cement primer meeting requirements of ASTM F 656 and pipe cement meeting requirements of ASTM D 2564.

Refrigerant Piping Systems:
Hard copper tubing meeting requirements of ASTM B 280, hard drawn straight lengths with wrought copper brazed fittings with AWS Classification BCuP-4 Copper Phosphorus or AWS Classification BCuP-5 Copper Phosphorus rods and white brazing or high quality silver solder flux.
Identification: Black Lettering on Yellow Background

Natural Gas Piping Systems:
Above Grade - Schedule 40 black carbon steel pipe meeting requirements of ASTM A 53 with standard weight butt welded steel forged welding type fittings.

PLUMBING DRAWING INDEX

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NO.	DATE	DESCRIPTION

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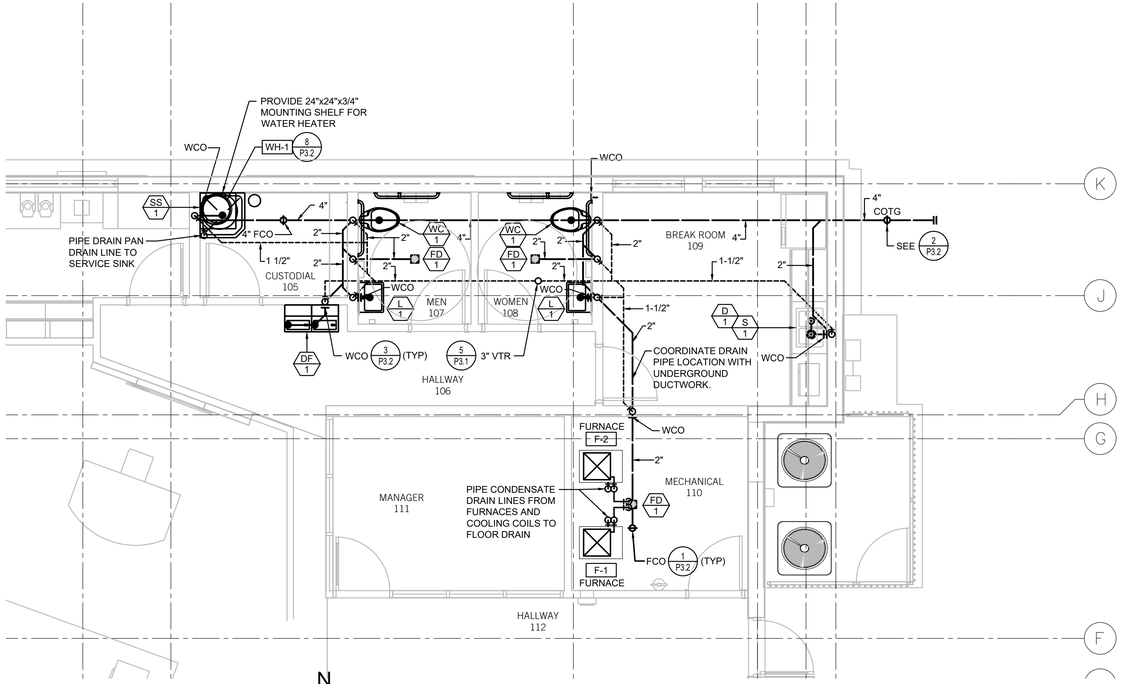
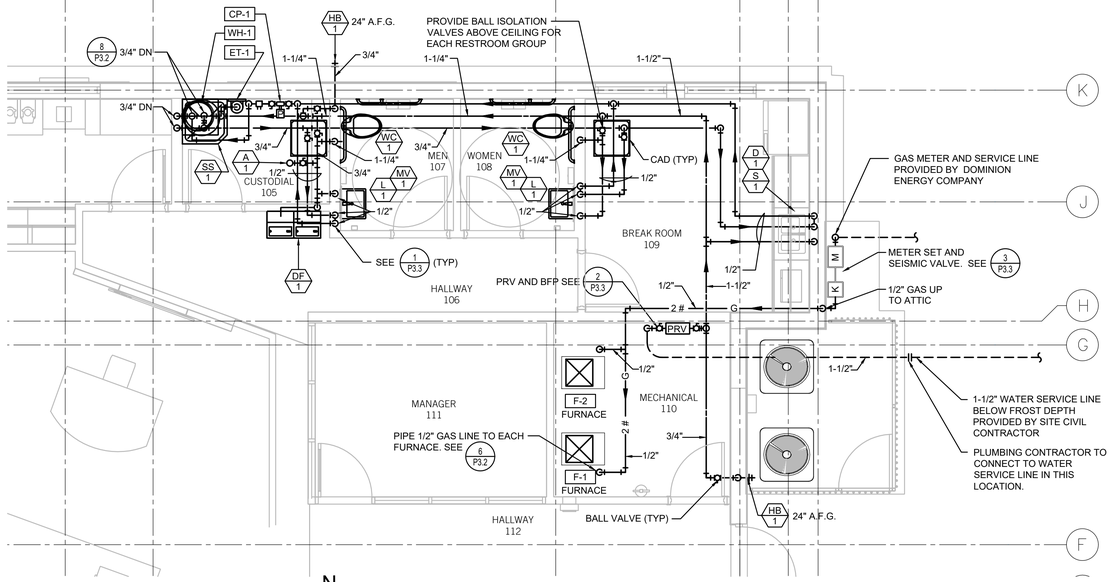
MAIN LEVEL PLUMBING PLAN

P1.1



WASTE AND VENT PIPING PLAN

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



GAS, HOT AND COLD WATER PIPING PLAN

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

GAS INFORMATION

TOTAL BTUH: 180,000
BTU/ CU. FT. : 860
TOTAL CFH: 210
DEVELOPED LENGTH: 50 FT.
BLDG. WORKING PRESSURE: 2 PSIG
PIPE SIZE: 1/2"

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	NOTES (1)
WC 1	WATER CLOSET	4"	2"	1"	--	FLOOR MOUNTED - (ADA) FLUSH VALVE
L 1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED - (ADA)
SS 1	SERVICE SINK	3"	2"	3/4"	3/4"	CAST IRON ENAMEL, FLOOR MTD, CORNER WITH WALL MOUNTED FAUCET.
FD 1	FLOOR DRAIN	2"	1-1/2"	--	--	WITH DEEP SEAL P-TRAP AND ASSE TRAP GUARD
DF 1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	--	DUAL LEVEL - ELECTRIC W/ BOTTLE FILLER - (ADA) 120/1/60
S 1	BREAK ROOM SINK	1-1/2"	1-1/2"	1/2"	1/2"	TWO COMPARTMENT STAINLESS STEEL
HB 1	HOSE BIBB	--	--	3/4"	--	NON FREEZE TYPE
D 1	DISPOSAL	--	--	--	--	3/4 H.P. - 120/1/60 STAINLESS STEEL INSINKERATOR MODEL 77 SS
MV 1	MIXING VALVE	--	--	--	--	UNDER SINK MIXING VALVE ASSE 1070 WATTS LEMM-UT-MI
A 1	ARRESTOR	--	--	3/4"	--	WATER HAMMER ARRESTOR PRECISION PLUMBING PRODUCTS SC-750B

NOTES:

(1) CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN OR INSTALLATION.

(2) DRAINAGE FIXTURE UNITS: 22.5

BRANCH WATER LINE SCHEDULE

FIXTURE	FIXTURE UNITS	TOTAL QUANTITY OF FIXTURES SERVED BY A GIVEN PIPE SIZE					
		1/2"	3/4"	1"	1 1/4"	1-1/2"	2"
WATER CLOSET	10	--	--	1	2	3	8
LAVATORY	2	1	3	5	7	15	50
BREAK ROOM SINK	2	1	3	5	7	15	50
SERVICE SINK	4	--	1	2	3	7	25
DRINKING FOUNTAIN	1	2	6	10	15	30	--
HOSE BIBB	3	--	1	3	5	10	33
TOTAL FIXTURE UNITS SERVED BY PIPE SIZE		2	6	10	15	30	100

NOTE:

(1) MINIMUM PIPE SIZE TO ANY FIXTURE TO BE 1/2". WHERE PIPE SIZE IS SHOWN ON DRAWINGS, IT SHALL BE FOLLOWED.

(2) WATER SUPPLY FIXTURE UNITS: 18.65

PLUMBING EQUIPMENT SCHEDULE

SYMBOL	EQUIPMENT DESCRIPTION
WH-1	WATER HEATER: ELECTRIC STORAGE TANK TYPE, 19 GALLON STORAGE CAPACITY, 3 KW INPUT, 14 GALLON/HR RECOVERY RATE @ 90 DEG F TEMP RISE., FURNISH COMPETE WITH TEMPERATURE AND PRESSURE RELIEF VALVE AND THREADED HOSE DRAIN CONNECTION. PROVIDE PLATFORM FOR WALL MOUNTING WITH INSULATED BASE AND SEISMIC WALL STRAP MANUFACTURER: BRADFORD WHITE MODEL: RE120U6 ELECTRICAL: 208 VOLT, 1 PHASE, 3 KW ELEMENT SIZE: 18" DIA X 24.75" HIGH OPERATING WEIGHT: 225 LBS
ET-1	EXPANSION TANK: NON-ASME TYPE, 2.0 GALLON TOTAL VOLUME, 0.45 ACCEPTANCE FACTOR, 1/2" NPT CONNECTION, 150 PSI MAX WORKING PRESSURE, NSF 61 LISTED, 200 DEG F MAX WORKING TEMP. ANCHOR HIGH ON WALL USING UNISTRUT CHANNEL AND PIPE CLAMPS MANUFACTURER: AMTROL MODEL: ST-5 ELECTRICAL: NONE SIZE: 8" DIA X 12.75" HIGH OPERATING WEIGHT: 25 LBS
CP-1	CIRCULATION PUMP: DOMESTIC WATER, BRONZE CONSTRUCTION, STAINLESS STEEL SHAFT, INTEGRAL CHECK VALVE, 2 GPM @ 5 FT HEAD, 1/2" CONNECTIONS, FURNISH COMPLETE WITH AQUASTAT PUMP CONTROLLER SET AT 120 DEG. F. MANUFACTURER: TACO MODEL: 006-IFC ELECTRICAL: 1/25 HP 120 VOLT, 1PHASE SIZE: 2" x 6" x 7" OPERATING WEIGHT: 7 LBS

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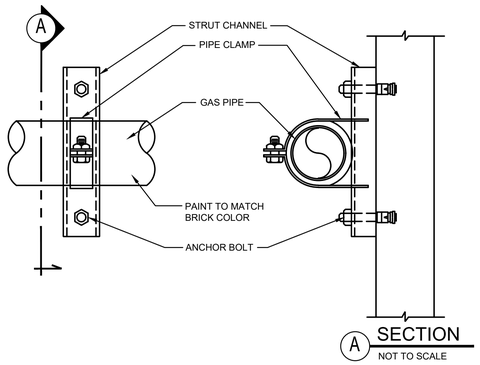
ENLARGED PLUMBING PLANS

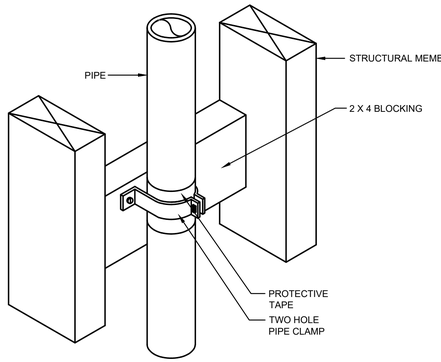
P2.1



WALL ATTACHED PIPE SUPPORT DETAIL

NOT TO SCALE

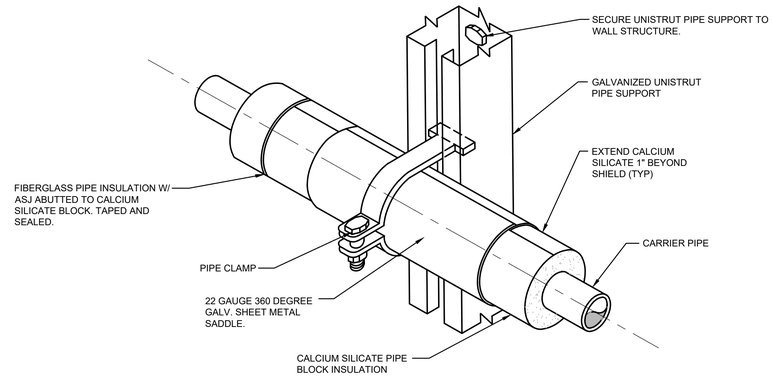
6 P3.1



VERTICAL PIPE SUPPORT DETAIL

NOT TO SCALE

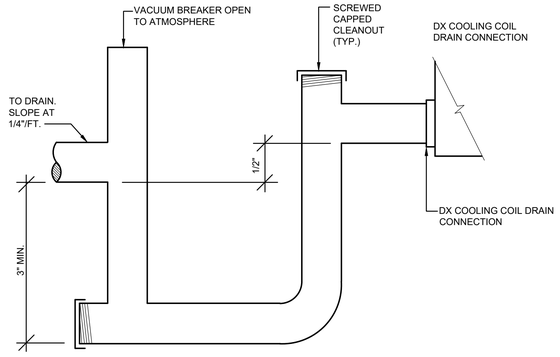
3 P3.1



WALL MOUNTED COPPER DOMESTIC WATER PIPE SUPPORT DETAIL

NOT TO SCALE

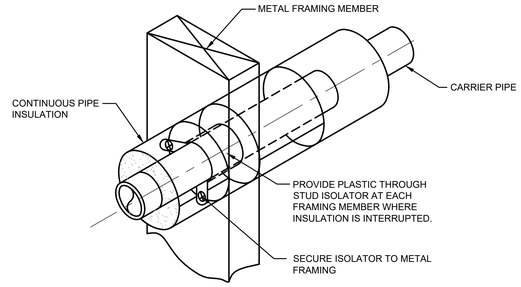
1 P3.1



COOLING COIL CONDENSATE DRAIN DETAIL

NOT TO SCALE

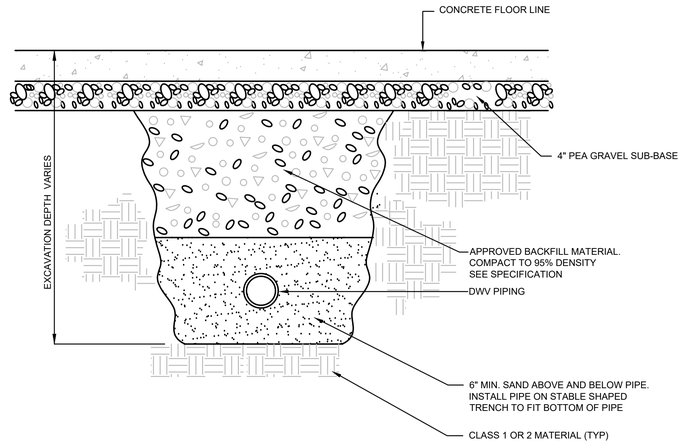
7 P3.1



PIPE THRU METAL STUD FRAMING DETAIL

NOT TO SCALE

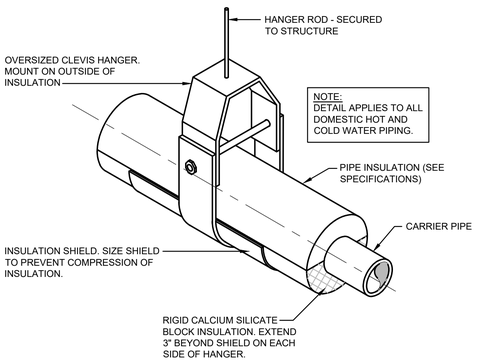
4 P3.1



TYPICAL WASTE TRENCH DETAIL

NOT TO SCALE

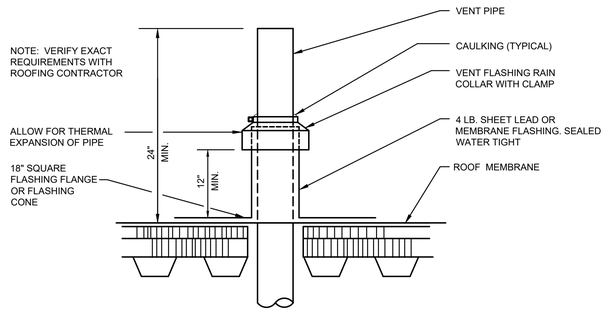
2 P3.1



PIPE SUPPORT DETAIL

NOT TO SCALE

8 P3.1



VENT THRU ROOF DETAIL

NOT TO SCALE

5 P3.1

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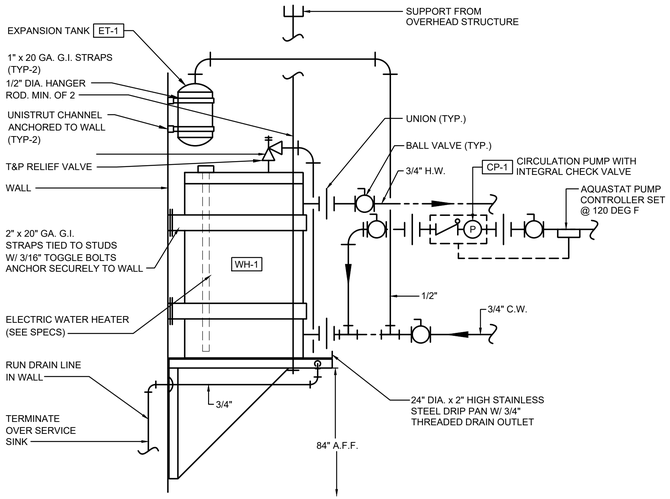
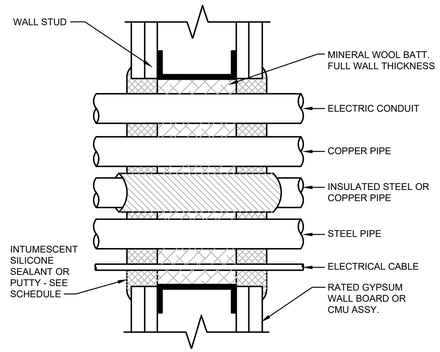
PLUMBING DETAILS P3.1



ELECTRIC WATER HEATER DETAIL

8 P3.2

NOT TO SCALE

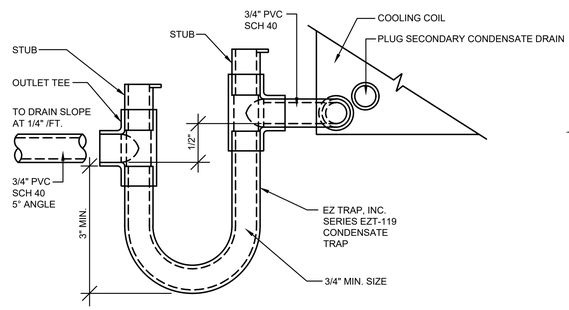


WALL RATING	DEPTH OF SEALANT	SEALANT CROWN
1 HR	1"	1/4"
2 HR	1-1/4"	3/8"
3 HR	1-1/2"	1/2"

PIPE & CONDUIT FIRE STOP DETAIL

6 P3.2

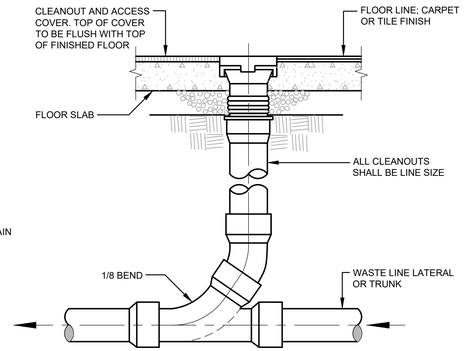
NOT TO SCALE



COOLING COIL CONDENSATE DRAIN DETAIL

4 P3.2

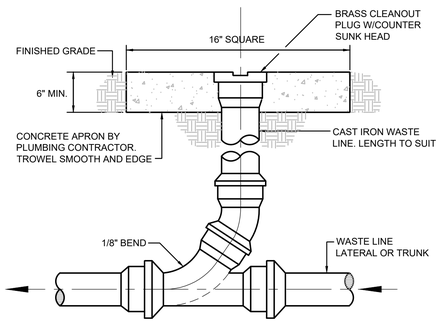
SCALE: NONE



FLOOR CLEANOUT DETAIL

1 P3.2

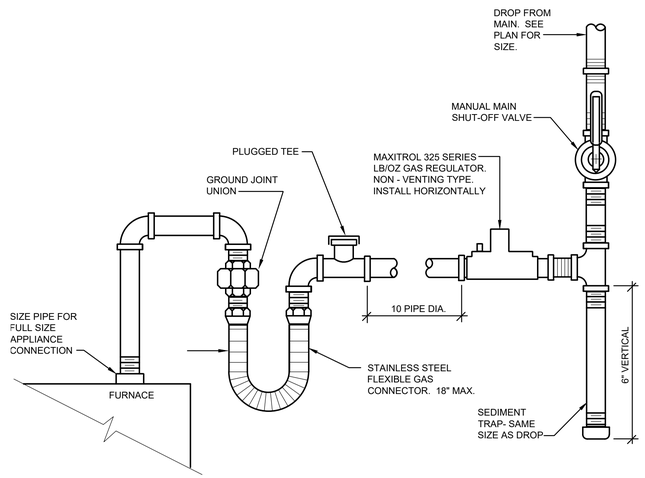
NOT TO SCALE



CLEANOUT TO GRADE DETAIL

2 P3.2

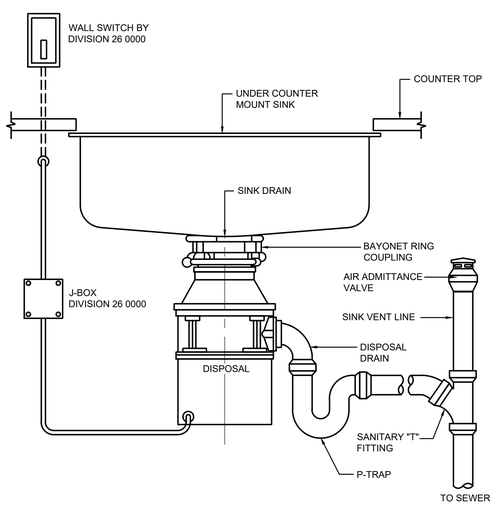
NOT TO SCALE



GAS LINE CONNECTION DETAIL

9 P3.2

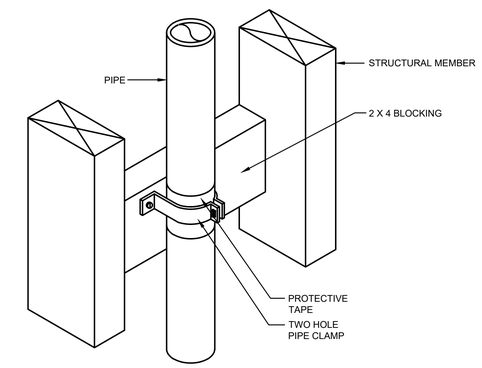
NOT TO SCALE



SINK AND DISPOSER INSTALLATION DETAIL

7 P3.2

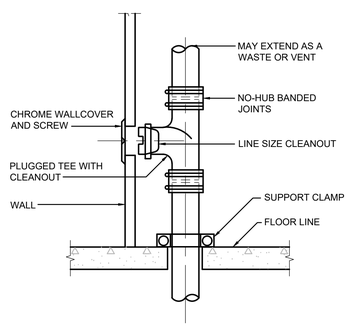
NOT TO SCALE



VERTICAL PIPE SUPPORT DETAIL

5 P3.2

NOT TO SCALE



WALL CLEANOUT DETAIL

3 P3.2

NOT TO SCALE

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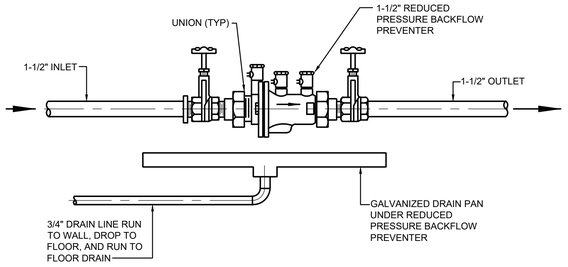
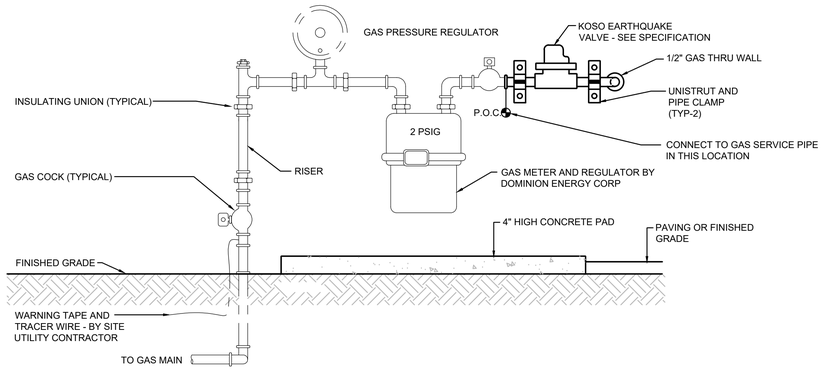
PLUMBING DETAILS P3.2



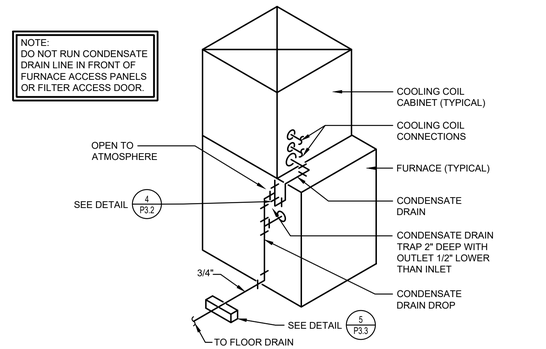
REDUCED PRESSURE BACKFLOW PREVENTER DETAIL 6 P3.3

NOT TO SCALE



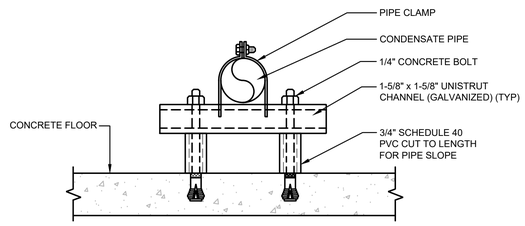
GAS METER SERVICE CONNECTION DETAIL 3 P3.3

NOT TO SCALE



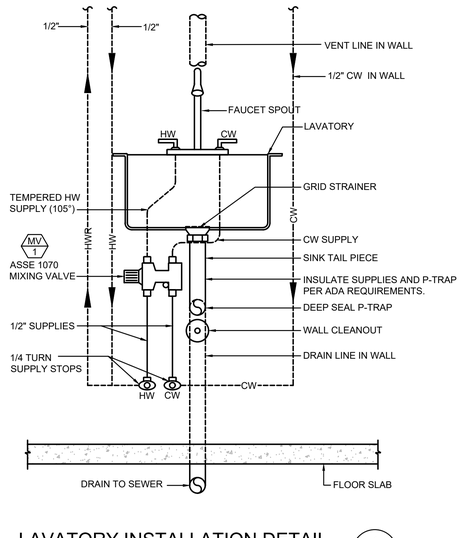
FURNACE AND COOLING COIL CONDENSATE DRAIN DETAIL 4 P3.3

NOT TO SCALE



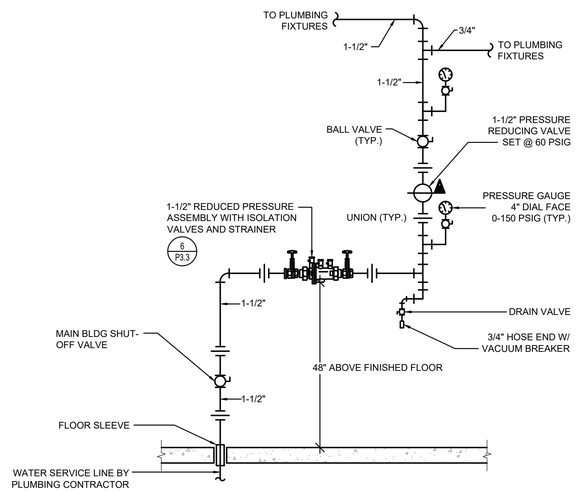
FLOOR PIPE SUPPORT DETAIL 5 P3.3

NOT TO SCALE



LAVATORY INSTALLATION DETAIL 1 P3.3

NOT TO SCALE



WATER SERVICE ENTRY DETAIL 2 P3.3

NOT TO SCALE

STUDIO 333

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PLUMBING DETAILS
NONE

PLUMBING DETAILS P3.3

ABBREVIATIONS

(E)	EXISTING
(F)	FUTURE
(N)	NEW
(R)	RELOCATED
(X)	DEMOLISH/DELETE
AFF	ABOVE FINISHED FLOOR
AIC	AMP INTERRUPTING CURRENT (SYMMETRICAL)
AL	ALUMINUM
BG	BELOW GRADE
C	CONDUIT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY
CTR	ABOVE COUNTER DEVICE
CU	COPPER
EM	EMERGENCY
EMC	DOMESTIC HOT WATER RECIRC.
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
IG	ISOLATED GROUND
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
NAC	NOTIFICATION APPLIANCE CIRCUIT
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
PNL	PANEL
S	SWITCHED
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VR	VANDAL RESISTANT
WG	WIRE GUARD
WP	WEATHER PROOF
XFMR	TRANSFORMER

ELECTRICAL LEGEND

NOTE: ALL ITEMS MAY NOT APPEAR ON DRAWINGS

- SNOW SENSOR
- HEAT TRACE
- LINEAR SUSPENDED PENDANT FIXTURE
- LINEAR SUSPENDED PENDANT FIXTURE (EMERGENCY POWER)
- RECESSED DOWN LIGHT
- RECESSED DOWN LIGHT (EMERGENCY POWER)
- RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE (EMERGENCY POWER)
- RECESSED WALL MOUNTED LIGHT FIXTURE
- RECESSED WALL MOUNTED LIGHT FIXTURE (EMERGENCY POWER)
- CEILING SURFACE / PENDANT SUSPENDED FIXTURE
- EMERGENCY BATTERY LIGHT FIXTURE
- LIGHT TRACK WITH LIGHT FIXTURE
- STRIP LIGHT FIXTURE
- SURFACE LIGHT FIXTURE
- SURFACE LIGHT FIXTURE (EMERGENCY POWER)
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE (EMERGENCY POWER)
- WALL MOUNTED LIGHT FIXTURE (EMERGENCY POWER)
- EXIT LIGHT CEILING
- WALL MOUNTED EXIT LIGHT
- DUAL POLE MOUNTED LIGHT FIXTURE
- GROUND MOUNTED LIGHT FIXTURE
- POLE MOUNTED LIGHT FIXTURE
- POLE TOP MOUNTED LIGHT FIXTURE
- $_{3K}$ 3-WAY KEY SWITCH
- $_{3}$ 3-WAY SWITCH
- $_{4}$ 4-WAY SWITCH
- $_{EX}$ EXPLOSION PROOF
- $_{K}$ KEY SWITCH
- $_{LM}$ LOW VOLTAGE MASTER
- $_{LV}$ LOW VOLTAGE SWITCH
- $_{M}$ MOMENTARY CONTACT SWITCH
- $_{P}$ PILOT LIGHT
- $_{PB}$ PUSHBUTTON SWITCH
- $_{RC}$ REMOTE CONTROL
- $ SINGLE POLE SWITCH
- $_{VR}$ SWITCH WITH VANDAL RESISTANT COVER PLATE
- C CONTACTOR
- HD DIMMER SWITCH, WALL MOUNT
- ECU EMERGENCY CONTROL RELAY UNIT
- OS OCCUPANCY SENSOR, CEILING MOUNT
- HOS OCCUPANCY SENSOR, WALL MOUNT
- PC PHOTO CELL
- PP POWER PACK
- SP SLAVE POWER PACK
- HTS DIGITAL TIME SWITCH
- COMBO FLOORBOX WITH DUPLEX RECEPTACLE AND DATA
- COMBO FLOORBOX WITH QUADRAPLEX RECEPTACLE AND DATA
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE (EMERGENCY POWER)
- DUPLEX RECEPTACLE GFI
- DUPLEX RECEPTACLE ISOLATED GROUND
- DUPLEX RECEPTACLE, FLUSH CEILING
- DUPLEX RECEPTACLE, FLUSH CEILING ISOLATED GROUND
- DUPLEX RECEPTACLE, FLUSH IN FLOOR
- DUPLEX RECEPTACLE, PEDESTAL MOUNTED
- POKE-THRU DEVICE
- QUADRAPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE GFI
- QUADRAPLEX RECEPTACLE ISOLATED GROUND
- QUADRAPLEX RECEPTACLE, PEDESTAL MOUNTED
- RANGE RECEPTACLE
- SINGLE RECEPTACLE
- SPECIAL OUTLET TO MATCH EQUIPMENT PLUG
- SPECIAL OUTLET TO MATCH EQUIPMENT PLUG, FLUSH IN FLOOR
- EMERGENCY POWER OFF BUTTON, 46" AFF
- GA GENERATOR ANNUNCIATOR
- J JUNCTION BOX
- FJ JUNCTION BOX, FLUSH IN FLOOR
- MAGNETIC STARTER
- MANUAL STARTER
- M METER BASE
- MOTOR CONNECTION
- MULTI OUTLET ASSEMBLY
- PS POWER SUPPLY
- PULL BOX
- R RELAY
- SPLICE BOX
- $_{TH}$ THERMAL SWITCH
- T THERMOSTAT
- T TRANSFORMER (FLOOR PLAN)
- F COMBINATION STARTER/FUSED DISCONNECT SWITCH
- COMBINATION STARTER/NON-FUSED DISCONNECT SWITCH
- F FUSED DISCONNECT SWITCH
- G GENERATOR
- NONFUSE DISCONNECT SWITCH
- LIGHTING ARRESTOR
- RECESSED ELECTRICAL PANELBOARD
- RECESSED EQUIPMENT CABINET AS NOTED
- SURFACE ELECTRICAL PANEL
- SURFACE EQUIPMENT CABINET
- 19" TELECOM EQUIPMENT RACK WITH VERTICAL WIRE MGMT.
- 3D,1P COMMUNICATIONS OUTLET - ABOVE COUNTER: D=DATA, P=TELEPHONE, F=FIBER, # INDICATES QTY. NO DESIGNATION=(2) DATA OUTLET, (1) TELEPHONE OUTLET
- 3D,1P COMMUNICATIONS OUTLET - FLUSH IN FLOOR: D=DATA, P=TELEPHONE, F=FIBER, # INDICATES QTY. NO DESIGNATION=(2) DATA OUTLET, (1) TELEPHONE OUTLET
- 3D,1P COMMUNICATIONS OUTLET: D=DATA, P=TELEPHONE, F=FIBER, # INDICATES QTY. NO DESIGNATION=(2) DATA OUTLET, (1) TELEPHONE OUTLET
- # DATA OUTLET-ABOVE COUNTER: # INDICATES QTY.; NO DESIGNATION =(2) DATA OUTLET
- # DATA OUTLET-FLUSH IN FLOOR:# INDICATES QTY.; NO DESIGNATION =(2) DATA OUTLET
- # DATA OUTLET: # INDICATES QTY.; NO DESIGNATION =(2) DATA OUTLET
- # TELEPHONE OUTLET - ABOVE COUNTER: # INDICATES QTY.; NO DESIGNATION =(1) TELEPHONE OUTLET
- # TELEPHONE OUTLET - FLUSH IN FLOOR: # INDICATES QTY.; NO DESIGNATION =(1) TELEPHONE OUTLET
- # TELEPHONE OUTLET: # INDICATES QTY.; NO DESIGNATION =(1) TELEPHONE OUTLET
- 19" TELECOM EQUIPMENT RACK
- CABLE TRAY FOR DATA TELEPHONE AND SOUND/PAGING ONLY (NO CONTROL WIRING)
- C CLOCK
- CH CLOCK, WALL MOUNTED
- IC INTERCOM STATION, SECURITY
- RA RESCUE ANNUNCIATOR STATION
- RC RESCUE CALL STATION
- MS SECURITY MOTION SENSOR, CEILING MOUNTED
- MSH SECURITY MOTION SENSOR, WALL MOUNTED
- WIRELESS TRANSMITTER
- PUSH BUTTON
- START-STOP BUTTON
- UP-DOWN-STOP BUTTON
- BELL
- BUZZER
- CHIME
- PROGRAM HORN
- CR CARD READER
- DC DOOR CONTACT
- ES ELECTRIC STRIKE
- EH ELECTRICAL HINGE
- EL ELECTRICAL LATCH
- K KEYCARD
- MAGNETIC DOOR HOLDER (WALL OR FLOOR MOUNT)
- ML MAGNETIC LOCK
- ROUND T.V./SECURITY CAMERA
- RX SECURITY REQUEST TO EXIT
- T.V./SECURITY CAMERA
- CM FIRE ALARM CONTROL MODULE
- Z FIRE ALARM FSD CONTROL RELAY
- MM FIRE ALARM MONITOR MODULE
- FSD FIRE SMOKE DAMPER
- S DUCT SMOKE DETECTOR
- F FIRE ALARM MANUAL PULL STATION
- PS FIRE ALARM PRESSURE SWITCH
- FS FLOW SWITCH
- HD HEAT DETECTOR
- TS O.S. & Y. VALVE TAMPER SWITCH
- PHOTO ELECTRIC SMOKE DETECTOR
- R RATE OF RISE/THERMAL DETECTOR
- FIRE ALARM BELL
- FIRE ALARM CHIME
- FV FIRE ALARM CHIME/VISUAL
- FIRE ALARM HORN
- FV FIRE ALARM VISUAL SIGNAL
- FV FIRE ALARM VISUAL SIGNAL WITH HORN
- SS FIRE ALARM VISUAL SIGNAL WITH SPEAKER
- ANN FIRE ALARM ANNUNCIATOR
- FACP FIRE ALARM CONTROL PANEL
- FAVE FIRE ALARM VOICE EVACUATION PANEL
- NAC NOTIFICATION APPLIANCE CIRCUIT EXTENDER
- RFCC REMOTE FIRE COMMAND CENTER
- # DRAWING NOTE DESIGNATOR
- # LIGHT FIXTURE DESIGNATION
- # MECHANICAL EQUIPMENT DESIGNATION
- CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR
- CONDUIT CONCEALED IN WALLS, CEILING OR FLOOR
- EQUIPMENT GROUND CONDUCTOR
- EXISTING CONDUIT
- FLEXIBLE CONDUIT
- STUB DOWN
- STUB OUT
- STUB UP
- 200A LOADBREAK MOLDED PRODUCT TERMINATION (15KV)
- 600A DEADBREAK MOLDED PRODUCT SPLICE (15KV)
- 600A DEADBREAK MOLDED PRODUCT TERMINATION (15KV)
- BREAKER
- BREAKER ENCLOSED
- G&W UNIVERSAL CE SPLICE (15KV)
- G&W UNIVERSAL CE TERMINATION (15KV)
- MANHOLE
- MEDIUM VOLTAGE SPLICE (15KV HEATSHRINK OR LOADSHRINK)
- TRANSFORMER (ONE-LINES)
- AMP AMP (ONE-LINE)
- S CEILING SPEAKER, RECESSED
- EQUIPMENT CABINET
- M MICROPHONE RECEPTACLE, FLUSH FLOOR
- MH MICROPHONE RECEPTACLE, WALL
- SP SPLITTER
- TV T.V. OUTLET
- VC VOLUME CONTROL
- S WALL SPEAKER

DRAWING INDEX

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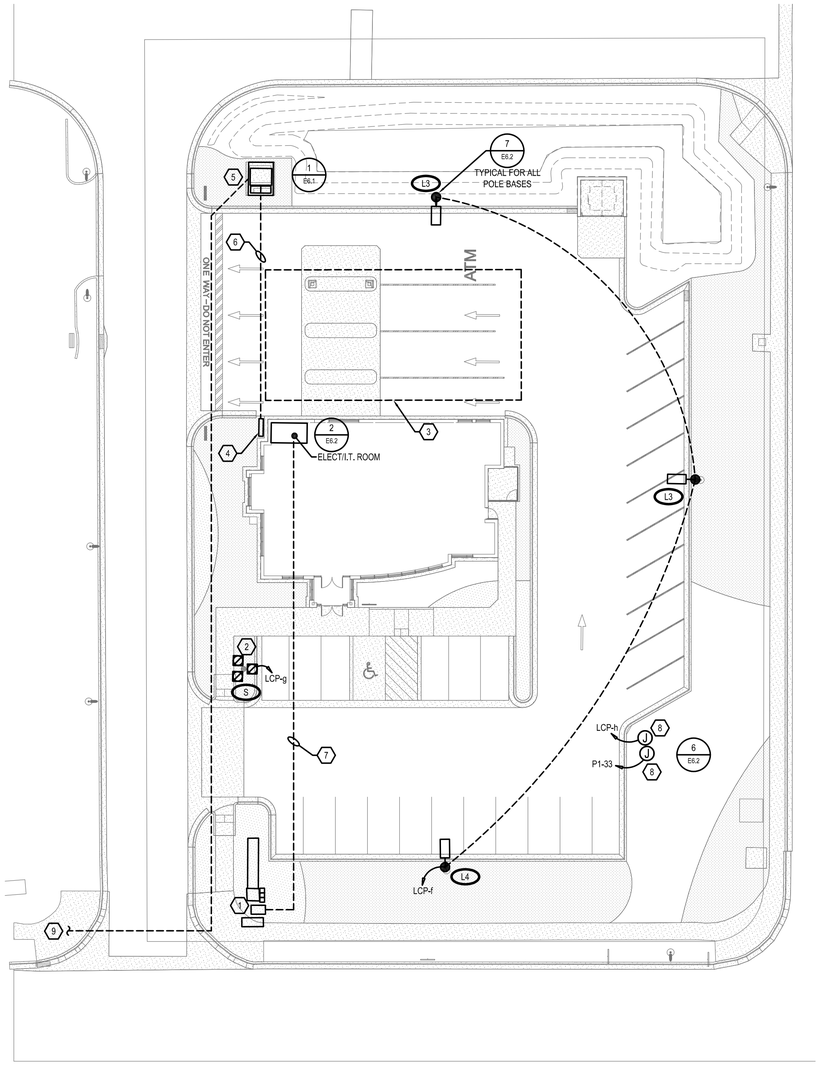
NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

SYMBOLS, ABBREVIATIONS, & DRAWING INDEX

E1.1



KEYED NOTES

1. PROVIDE A JUNCTION BOX FOR THE TELECOM SERVICE.
2. INSTALL THE TYPE S FIXTURES EVENLY AROUND THE FLAGPOLE BASE, 120 DEGREES FROM THE ADJACENT FIXTURE.
3. REFER TO SHEET E4.2 FOR THE REMOTE DRIVE THRU POWER AND LIGHTING PLANS.
4. CT SECTION/METER BASE LOCATION.
5. INSTALL TRANSFORMER PAD. THE TRANSFORMER PAD IS TO MEET THE PAYSON CITY POWER REQUIREMENTS. THE TRANSFORMER WILL BE BY PAYSON CITY POWER. COORDINATE WITH THE CIVIL DESIGN TO ENSURE THE TRANSFORMER PAD DOES NOT CONFLICT WITH OTHER UTILITIES.
6. TRENCH CONDUIT TO 36" TO TOP OF CONDUIT. PROVIDE MAGNETIC RIBBON AT 12" BELOW GRADE. CABLING WILL BE BY PAYSON CITY POWER. REFER TO ONE-LINE DIAGRAM FOR CONDUIT SIZING INFORMATION.
7. INSTALL (2) 3" CONDUITS FROM NEW JUNCTION BOX TO THE ELEC/I.T. ROOM. REFER TO SHEET E4.1 FOR STUB-UP LOCATION IN THE ROOM. TRENCH TO 36" TO TOP OF CONDUIT. PROVIDE MAGNETIC RIBBON AT 12" BELOW GRADE.
8. INSTALL JUNCTION BOXES FOR POWER AND DATA CONNECTIONS AT THE MARQUE SIGN. INSTALL (1) 1"C. FOR THE POWER AND (1) 1"C FOR THE DATA. STUB THE DATA CONDUIT INTO ELECT/IT 103 BY THE NETWORK RACK. REFER TO SHEET E4.1 FOR THE STUB-UP LOCATION. TRENCH THE CONDUIT TO 36" TO THE TOP OF THE CONDUIT. PROVIDE A MAGNETIC RIBBON AT 12" BELOW GRADE.
9. EXTEND CONDUIT FROM EXISTING STUB IN APPROXIMATE LOCATION SHOW. REFER TO ONE-LINE DIAGRAM FOR CONDUIT SIZING INFORMATION.

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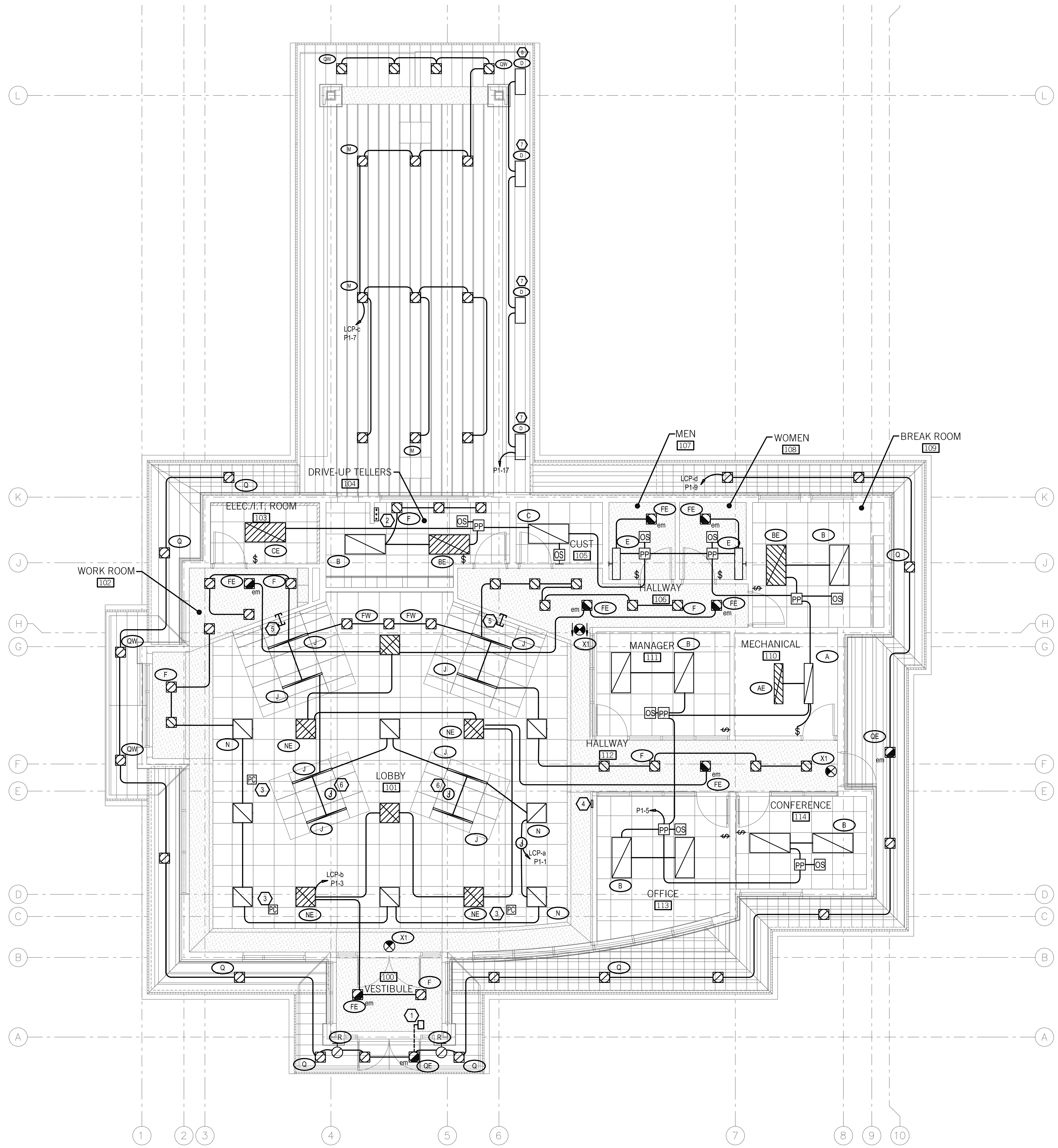
ELECTRICAL SITE PLAN E2.1



STUDIO 333

KEYED NOTES

1. INSTALL THE REMOTE TEST SWITCH IN THE VESTIBULE.
2. PROVIDE 3-POSITION GREEN/RED/OFF SWITCH FOR THE CANOPY DIRECTIONAL LIGHTING. PROVIDE INDIVIDUAL CONTROLS FOR EACH OF THE DIRECTIONAL LIGHTS.
3. PROGRAM PHOTOCELL TO DIM THE LIGHTING ZONE ALONG THE NORTH AND EAST WINDOWS.
4. PROVIDE A ARCHITECTURAL LIGHTING CONTROL SCREEN. ACUITY FRESCO FCS-7TSN-CBA (OR APPROVED EQUAL).
5. THE CIRCUIT FOR THE CLOUD LIGHTING IS TO COME FROM THE WALL, STUBBED OUT JUST ABOVE THE CLOUD LOCATION.
6. THE CIRCUIT FOR THE INNER CLOUD LIGHTING IS TO COME FROM THE CEILING, CENTERED ABOVE THE CLOUD LOCATION. CONDUIT IS TO BE EMT, NOT FLEX. INSTALL SO THE CONDUITS ARE NOT VISIBLE FROM BELOW.
7. CANOPY RED/GREEN DIRECTIONAL LIGHTING. MOUNT FIXTURE TO THE SUPPORT HEADER BELOW THE ROOF.
8. CANOPY RED/GREEN DIRECTIONAL LIGHTING. AT THIS LOCATION, PROVIDE THE MOUNTING BRACKET THAT FITS THE MOUNTING ANGEL. THE LIGHT WILL EITHER BE MOUNTED TO THE SOFFIT OR THE FASCIA, THE FINAL LOCATION IS TO BE COORDINATED WITH THE OWNER IN THE FIELD AT THE TIME OF INSTALLATION.

GENERAL NOTES

A. ALL EMERGENCY BATTERY PACK LIGHT FIXTURES AND NIGHT LIGHTS SHALL BE CONNECTED WITH UNSWITCHED "HOT" CONDUCTOR FROM SAME CIRCUIT AS NORMAL POWER.
B. ALL EXIT SIGNS SHALL BE CIRCUITED TO AN UNSWITCHED HOT.
C. COORDINATE LOCATION OF CEILING MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
D. THE SENSOR SYMBOLS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. COORDINATE WITH MANUFACTURER'S REPRESENTATIVE TO DETERMINE EXACT QUANTITIES FOR COMPLETE AND PROPER 90-100% VOLUMETRIC COVERAGE FOR AREAS INDICATED. SEE SPECIFICATION SECTION 260925.
E. THE CIRCUITING IS TO BE INSTALLED IN CONDUIT/WIRE. WIRE IS TO BE COPPER ONLY, NO ALUMINUM CABLING. MC CABLING IS NOT ALLOWED. REFER TO SPECIFICATION SECTION 26 0519.

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LIGHTING PLAN

E3.1

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION		LAMP(S)/BALLAST(S)	INPUT (VA)	VOLTAGE	MANUFACTURER	CATALOG #
A	DESCRIPTION:	LENSED LED STRIPLIGHT	LED	42	MVOLT	LITHONIA	ZL1D L48 3000LM FST MVOLT 40K 80CRI SCBA (HC36 IF PENDANT)
	SIZE:	3-3/8" WIDE X 3-1/2" DEPTH X 48-1/8" LENGTH	3000 LUMENS			METALUX	
	HOUSING:	COLD ROLLED STEEL	4000 KELVIN			HE WILLIAMS	
	FINISH:	BAKED WHITE ENAMEL				LAMAR	
	OPTICS:	MEDIUM DIFFUSE LENS				INDUSTRIAL LTG	
	MOUNTING:	SURFACE OR PENDANT					
AE	DESCRIPTION:	INDUSTRIAL WITH WIRE GUARD - 4'	LED	42	MVOLT	LITHONIA	ZL1D L48 3000LM FST MVOLT 40K 80CRI E10WLCP SCBA (HC36 IF PENDANT)
	SIZE:	3-3/8" WIDE X 3-1/2" DEPTH X 48-1/8" LENGTH	3000 LUMENS			METALUX	
	HOUSING:	COLD ROLLED STEEL	4000 KELVIN			HE WILLIAMS	
	FINISH:	BAKED WHITE ENAMEL				LAMAR	
	OPTICS:	MEDIUM DIFFUSE LENS				INDUSTRIAL LTG	
	MOUNTING:	SURFACE OR PENDANT					
	OTHER:	EMERGENCY BATTERY BACK-UP					
B	DESCRIPTION:	2X4 VOLUMETRIC - LAY-IN	LED	31	MVOLT	LITHONIA	2RTL4 30L GZ1 LP840
	SIZE:	24" WIDE X 3-1/8" DEPTH X 48" LENGTH	3000 LUMENS			METALUX	
	HOUSING:	STEEL	4000 KELVIN			HE WILLIAMS	
	FINISH:	BAKED WHITE ENAMEL				LAMAR	
	LENS:	VOLUMETRIC REFLECTOR				COLUMBIA	
	MOUNTING:	LAY-IN					
BE	DESCRIPTION:	2X4 VOLUMETRIC - LAY-IN	LED	31	MVOLT	LITHONIA	2RTL4 30L GZ1 LP840 EL14L
	SIZE:	24" WIDE X 3-3/16" DEPTH X 48" LENGTH	3000 LUMENS			METALUX	
	HOUSING:	STEEL	4000 KELVIN			HE WILLIAMS	
	FINISH:	BAKED WHITE ENAMEL				LAMAR	
	LENS:	VOLUMETRIC REFLECTOR				COLUMBIA	
	MOUNTING:	LAY-IN					
	OTHER:	EMERGENCY BATTERY BACK-UP					
C	DESCRIPTION:	2X4 TROFFER - LAY-IN	LED	23	MVOLT	LITHONIA	2GTL 4 30L FW GZ1 LP840
	SIZE:	24" WIDE X 3-11/16" DEPTH X 48" LENGTH	3000 LUMENS			METALUX	
	HOUSING:	STEEL, FLUSH ALUMINUM DOOR	4000 KELVIN			HE WILLIAMS	
	FINISH:	BAKED WHITE ENAMEL				ALPHALITE	
	LENS:	#12 ACRYLIC LENS, .125" THICK				COLUMBIA	
	MOUNTING:	LAY-IN					
CE	DESCRIPTION:	2X4 TROFFER - LAY-IN	LED	23	MVOLT	LITHONIA	2GTL 4 30L FW GZ1 LP840 EL14L
	SIZE:	24" WIDE X 3-11/16" DEPTH X 48" LENGTH	3000 LUMENS			METALUX	
	HOUSING:	STEEL, FLUSH ALUMINUM DOOR	4000 KELVIN			HE WILLIAMS	
	FINISH:	BAKED WHITE ENAMEL				ALPHALITE	
	LENS:	#12 ACRYLIC LENS, .125" THICK				COLUMBIA	
	MOUNTING:	LAY-IN					
	OTHER:	EMERGENCY BATTERY BACK-UP					
D	DESCRIPTION:	TRAFFIC CONTROLLER RED/GREEN LIGHT	LED	5	120	SIGNAL-TECH	52170 (LIGHT) 3039 (CONTROL)
	SIZE:	14" WIDE X 7" TALL X 9" DEEP	RED & GREEN			CW COLE	
	HOUSING:	IMPACT RESISTANT POLYCARBONATE				EXITRONIX	
	FINISH:	DURANODIC BRONZE				ASL LIGHTING	
	LENS:	IMPACT RESISTANT TINTED LEXAN					
	MOUNTING:	SURFACE					
	CONTROL:	3-POSITION GREEN/RED/OFF SINGLE GANG SWITCH					
E	DESCRIPTION:	LED WALL BRACKET FOR BATHROOMS	LED	27	MVOLT	LITHONIA	FMVCSLS 36IN MVOLT 30K35K40K 90CRI SCBA
	SIZE:	2" WIDE X 2" DEEP X 36" LENGTH	2560 LUMENS			OXYGEN	
	HOUSING:	ACRYLIC DIFFUSER WITH BRUSHED NICKEL OR BRONZE FINIGH	4000 KELVIN			NORTH THE BRAND	
	FINISH:	FINISH BY ARCHITECT	90 CRI			CONTECH	
	MOUNTING:	SURFACE WALL				COLUMBIA	
	OTHER:						
F	DESCRIPTION:	4" LED DOWNLIGHT	LED	9	MVOLT	GOTHAM	EVO4 40/10 XXX MD LSS MVOLT GZ10 90CRI
	SIZE:	4-5/16" APERTURE X 6-5/8" DEPTH	1000 LUMENS			HALO	
	HOUSING:	16-GAUGE STEEL	4000 KELVIN			HE WILLIAMS	
	OPTICAL:	POLYCARBONATE LENS FOR LIGHT ENGINE				DMF	
	MOUNTING:	LAY-IN OR FLANGE				PRESCOLITE	
	OTHER:	90+ CRI; TRIM COLOR BY ARCHITECT					
FW	DESCRIPTION:	SAME AS "F" EXCEPT WITH WALL WASH OPTION					
FE	DESCRIPTION:	4" LED DOWNLIGHT	LED	9	MVOLT	GOTHAM	EVO4 40/10 XXX MD LSS MVOLT GZ10 90CRI ELR
	SIZE:	4-5/16" APERTURE X 6-5/8" DEPTH	1000 LUMENS			HALO	
	HOUSING:	16-GAUGE STEEL	4000 KELVIN			HE WILLIAMS	
	OPTICAL:	POLYCARBONATE LENS FOR LIGHT ENGINE				DMF	
	MOUNTING:	LAY-IN OR FLANGE				PRESCOLITE	
	OTHER:	EMERGENCY BATTERY BACK-UP					
		90+ CRI; TRIM COLOR BY ARCHITECT					
J	DESCRIPTION:	4' RECESSED LINEAR LED DOWNLIGHT	LED	35.6	MVOLT	COOPER	S122DR-S865D9040-FES4F0-1-UDD-F
	SIZE:	48" X 2" X 3.625"	3460 LUMENS				NO ALTERNATIVES
	HOUSING:	EXTRUDED ALUMINUM	4000 KELVIN				CONTRACTOR ALLOWANCE $780
	OPTICAL:	SATIN POLYCARBONATE LENS					
	MOUNTING:	FINSHED EXTRUDED SIDE FOR WOOD PANELING					
	OTHER:	90+ CRI; STANDARD FINISH BY ARCHITECT					
L3	DESCRIPTION:	LED PARKING LOT FIXTURE - TYPE II WITH SPILL CONTROL	LED	129	UNV	McGRAW-EDISON	GLEON-SA2C-830-U-SL3-SCBA
	SIZE:	21-3/4" LENGTH X 15-1/2" WIDTH X 3-15/16" HEIGHT	3000 KELVIN				NO ALTERNATIVES
	HOUSING:	CAST ALUMINUM	15,877 LUMENS				CONTRACTOR ALLOWANCE
	FINISH:	POWDER COAT, COLOR BY ARCHITECT					
	DISTRIBUTION:	TYPE III WITH SPILL CONTROL					
	POLE:	17' ROUND POLE, 30" HIGH CONCRETE BASE					
L4	DESCRIPTION:	LED PARKING LOT FIXTURE - TYPE IV WITH SPILL CONTROL	LED	129	UNV	McGRAW-EDISON	GLEON-SA3C-830-U-SL4-SCBA
	SIZE:	21-3/4" LENGTH X 15-1/2" WIDTH X 3-15/16" HEIGHT	3000 KELVIN				NO ALTERNATIVES
	HOUSING:	CAST ALUMINUM	15,085 LUMENS				CONTRACTOR ALLOWANCE
	FINISH:	POWDER COAT, COLOR BY ARCHITECT					
	DISTRIBUTION:	TYPE IV WITH SPILL CONTROL					
	POLE:	17' ROUND POLE, 30" HIGH CONCRETE BASE					
M	DESCRIPTION:	CANOPY LED DOWNLIGHT	LED	19	120	GOTHAM	EVO6 40/15 (BY ARCH) MD LSS MVOLT GZ10
	SIZE:	6-1/4" APERTURE X 9-9/16" DEPTH	1500 LUMENS			HALO	
	HOUSING:	16-GAUGE STEEL	4000 KELVIN			HE WILLIAMS	
	OPTICAL:	POLYCARBONATE LENS FOR LIGHT ENGINE				PEACHTREE	
	MOUNTING:	LAY-IN OR FLANGE				PRESCOLITE	
	OTHER:						
N	DESCRIPTION:	2X2 VOLUMETRIC LIGHTING	LED	40	UNV	LITHONIA	2RTL2 40L GZ1 LP840
	SIZE:	24" LENGTH X 24" WIDTH X 3.125" DEPTH	4200 LUMENS			METALUX	
	HOUSING:	ONE PIECE COLD ROLLED STEEL	4000 KELVIN			HE WILLIAMS	
	FINISH:	POLYESTER POWDER COAT				LAMAR	
	OPTICS:	ACRYLIC PRISMATIC REFRACTOR				COLUMBIA	
	MOUNTING:	LAY-IN					
NE	DESCRIPTION:	2X2 VOLUMETRIC LIGHTING	LED	40	UNV	LITHONIA	2RTL2 40L GZ1 LP840 EL14L
	SIZE:	24" LENGTH X 24" WIDTH X 3.125" DEPTH	4200 LUMENS			METALUX	
	HOUSING:	ONE PIECE COLD ROLLED STEEL	4000 KELVIN			HE WILLIAMS	
	FINISH:	POLYESTER POWDER COAT				LAMAR	
	OPTICS:	ACRYLIC PRISMATIC REFRACTOR				COLUMBIA	
	MOUNTING:	LAY-IN					
	OTHER:	EMERGENCY BATTERY BACK-UP					
Q	DESCRIPTION:	4" LED DOWNLIGHT	LED	11	MVOLT	GOTHAM	EVO4 27/07 4AR MD LSS MVOLT GZ10
	SIZE:	4-5/16" APERTURE X 6-5/8" DEPTH	750 LUMENS			HALO	
	HOUSING:	16-GAUGE STEEL	2700 KELVIN			HE WILLIAMS	
	OPTICAL:	POLYCARBONATE LENS FOR LIGHT ENGINE				DMF	
	MOUNTING:	LAY-IN OR FLANGE				PRESCOLITE	
	OTHER:						
QE	DESCRIPTION:	4" LED DOWNLIGHT	LED	11	MVOLT	GOTHAM	EVO4 27/07 4AR MD LSS MVOLT GZ10 ELR
	SIZE:	4-5/16" APERTURE X 6-5/8" DEPTH	750 LUMENS			HALO	
	HOUSING:	16-GAUGE STEEL	2700 KELVIN			HE WILLIAMS	
	OPTICAL:	POLYCARBONATE LENS FOR LIGHT ENGINE				DMF	
	MOUNTING:	LAY-IN OR FLANGE				PRESCOLITE	
	OTHER:	EMERGENCY BATTERY BACK-UP					
QW	DESCRIPTION:	SAME AS "Q" EXCEPT WITH WALL WASH OPTION					
R	DESCRIPTION:	EXTERIOR WALL MOUNTED SCONCE	LED	50	MVOLT	SCOTT ARCH LTG	S9321-L32+L50+30K+BA
	SIZE:	7-1/4" WIDTH x 26-3/4" HEIGHT x 4" DEPTH	3750 LUMENS				NO ALTERNATIVES
	HOUSING:	SOLID ALUMINUM BAR AND END CAPS	3000 KELVIN				
	LENS:	OPAL ACRYLIC LENS					
	MOUNTING:	SURFACE WALL					
	OPTIONS:	WET LOCATION RATED					
S	DESCRIPTION:	IN-GRADE FLAGPOLE LIGHTING	LED	19	UNV	HYDREL	PDX10 SS 18LED WHT41K MVOLT NSP FLC 34S
	SIZE:	18" LENGTH X 12" WIDE X 12" HEIGHT	1700 LUMENS			VISTA	
	HOUSING:	POLYESTER	4100 KELVIN			HOLM	
	DOOR:	STAINLESS STEEL				SISTEMALUX	
	MOUNTING:	IN-GRADE				FCL	
	OTHER:						
X1 & X2	DESCRIPTION:	LED EXIT SIGN	LED	3	UNV	LITHONIA	LRP (BY ARCH) 1 GC 120/277 EL N
	SIZE:	13-1/4" WIDE X 8" HEIGHT X -3/4" DEPTH	GREEN			EVENLITE	
	HOUSING:	INJECTION MOLDED ACRYLIC				HE WILLIAMS	
	MOUNTING:	CEILING OR BACK MOUNT				BARRON	
	OTHER:	EMERGENCY BATTERY BACK-UP				DUAL-LITE	
						EMERGENSEE LTG	

NOTES:

1	ALL LIGHT FIXTURES SHALL HAVE A MINIMUM 5 YEAR WARRANTY.
2	ALL LED LIGHT FIXTURES SHALL HAVE REPLACEABLE AND UPGRADABLE LED MODULES, LM79 AND LM80 LISTED, WITH 50,000 HR MIN. L70 RATING.
3	ROUGH-IN OPENINGS TO BE COORDINATED WITH APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.

STUDIO 333

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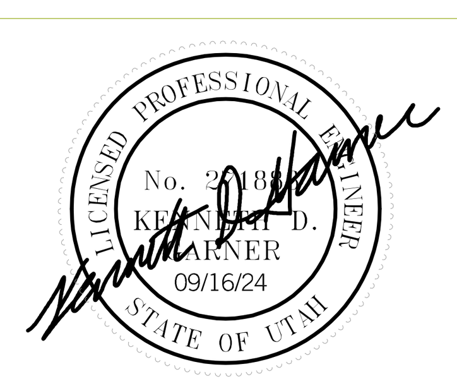

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LUMINAIRE SCHEDULE

E3.2

STUDIO 333

RELAY PANEL SCHEDULE

LOCATION:	ELECT/I.T.		PANEL ID:	LCP
MOUNTING:	SURFACE			

RELAY	DESCRIPTION	CIRCUIT	SCHEDULE	CONTROL DEVICE
a	LOBBY	P1-1	TIME ON/TIME OFF: 2-HR OVERRIDE	TIME CLOCK
b	LOBBY NIGHT LIGHT	P1-3	ALWAYS ON	TIME CLOCK
c	REMOTE DRIVE THRU CANOPY LIGHTING	P1-7	DUSK / TIME OFF	TIME CLOCK
d	EXTERIOR BUILDING LIGHTING	P1-9	DUSK / TIME OFF	TIME CLOCK
e	SPARE			
f	SITE LIGHTING	P1-21	DUSK / TIME OFF	TIME CLOCK
g	FLAG POLE LIGHTING	P1-23	DUSK / TIME OFF	TIME CLOCK
h	SIGN LIGHTING	P1-31	DUSK / TIME OFF	TIME CLOCK
i	SPARE			
j	SPARE			
k	SPARE			
l	SPARE			

Notes:

1. COORDINATE FINAL PROGRAMMING SCHEDULE WITH OWNER. PROVIDE 3 HOURS OF TRAINING TO OWNER INCLUDING A TRAINING VIDEO.
2. INCLUDE FOLLOWUP PROGRAMMING VISIT 3 MONTHS AFTER OCCUPANCY FOR ANY MODIFICATIONS REQUESTED BY OWNER.

STUDIO 333 ARCHITECTS
333 24TH STREET
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LICENSED PROFESSIONAL ENGINEER
No. 2[illegible]
KENNETH D. GARNER
09/16/24
STATE OF UTAH

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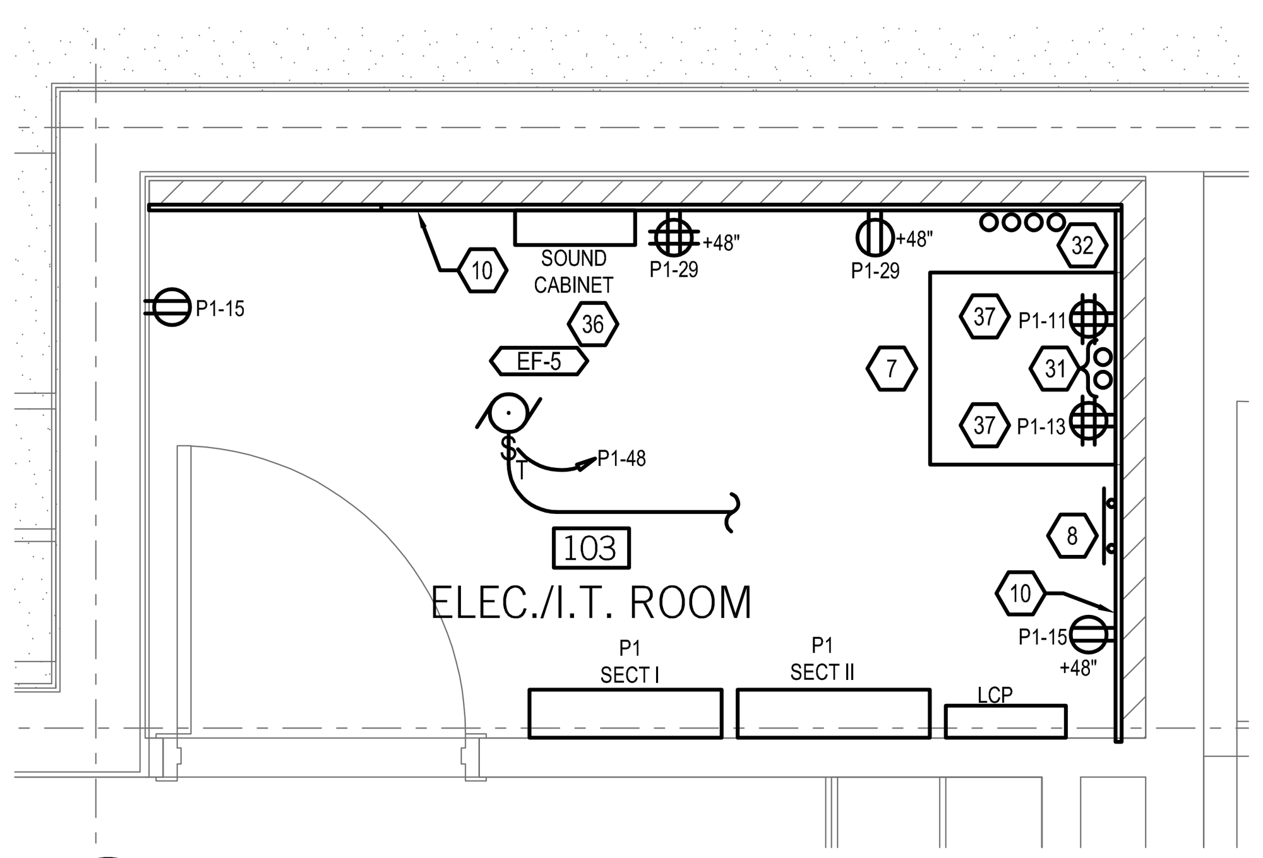
NO.	DATE	DESCRIPTION

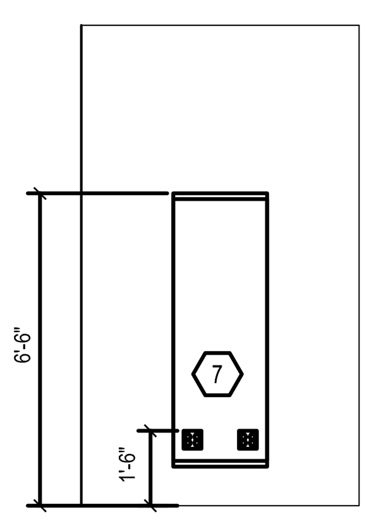
BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

CONTRATOR PANEL SCHEDULE

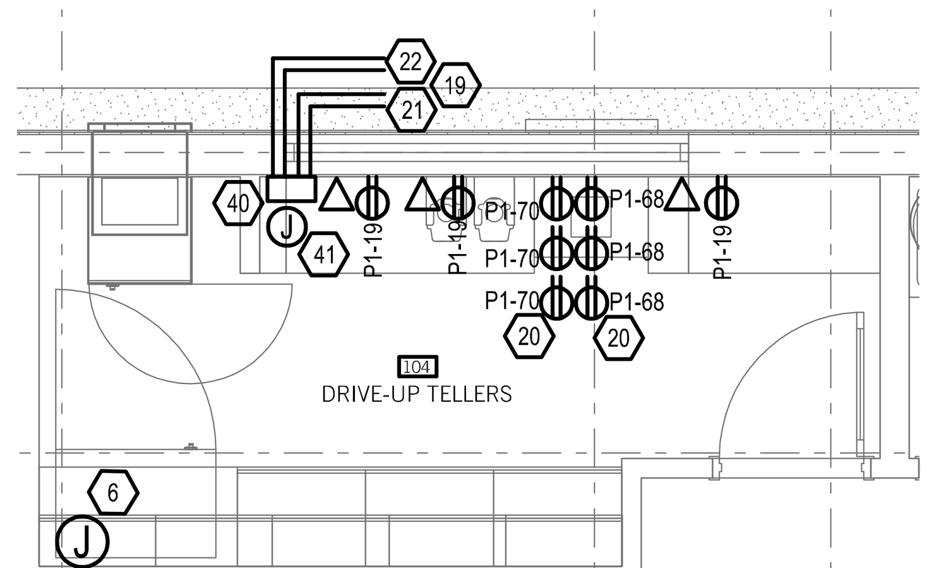
E3.3



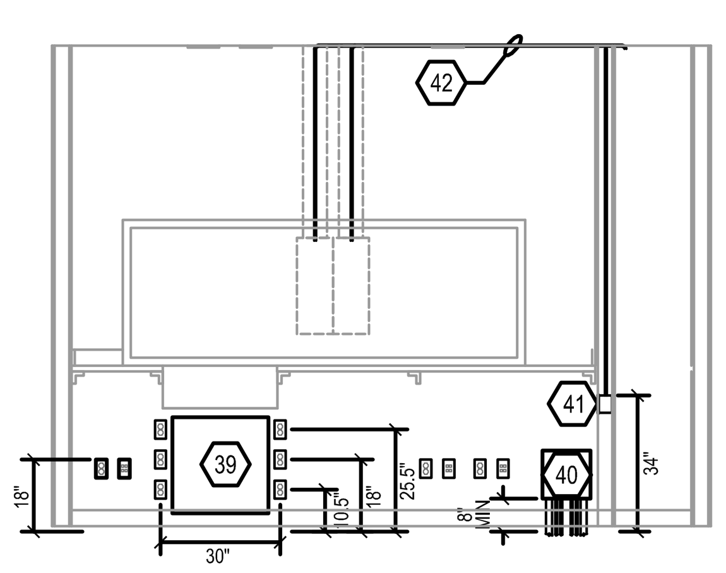
1 E4.1 ENLARGED ELEC/I.T. ROOM
SCALE 1/2" = 1'-0"



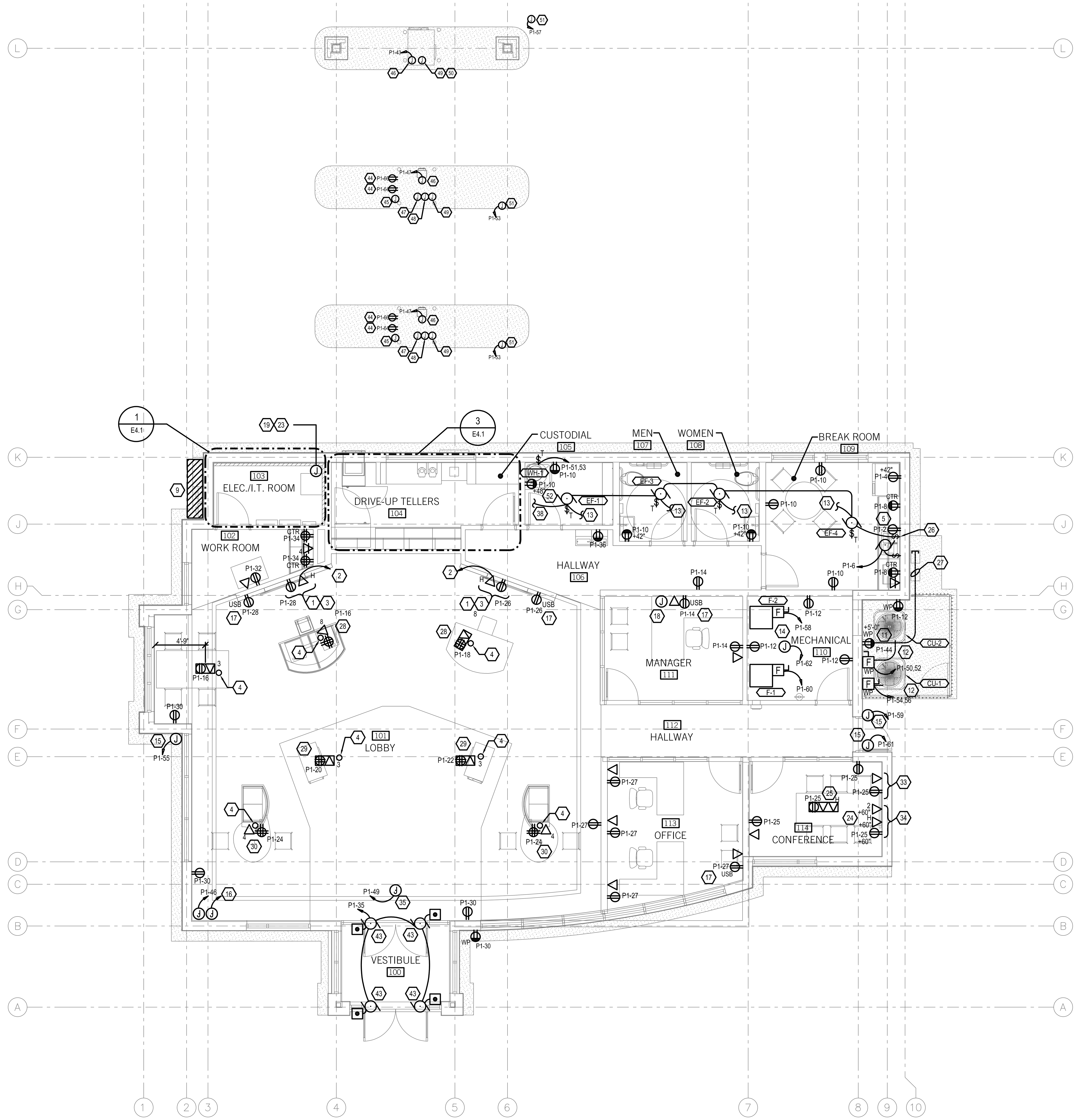
2 E4.1 ELEC/I.T. ROOM ELEVATION
SCALE 1/4" = 1'-0"



3 E4.1 ENLARGED DRIVE-UP TELLERS ROOM
SCALE 1/4" = 1'-0"



4 E4.1 DRIVE-UP TELLERS ROOM ELEVATIONS
SCALE 1/4" = 1'-0"



STUDIO 333

KEYED NOTES

1. COORDINATE RECEPTACLE LOCATION AND AV CABLING JUNCTION BOX LOCATION WITH THE MONITOR INPUT LOCATION. COORDINATE WITH THE OWNER FOR THE MAKE/MODEL OF THE MONITOR PRIOR TO ROUGH-IN. BOX TO BE MOUNTED 90" TO CENTER.
2. PROVIDE 1.5' CONDUIT FROM THE MONITOR LOCATION TO THE NETWORK RACK. PROVIDE AND INSTALL THE HDMI CABLE FROM THE MONITOR TO THE RACK.
3. THE OWNER WILL PROVIDE AND INSTALL THE WALL MOUNT BRACKET FOR THE MONITOR.
4. PROVIDE 3/4" CONDUIT FROM THE NETWORK RACK TO EACH FLOOR BOX OR STUBBED-UP CONDUIT FOR THE ECR/ILT/PODIUM STATIONS FOR SECURITY WIRING. SECURITY WIRING TO BE PROVIDED AND INSTALLED BY THE OWNER COORDINATE WITH THE GWCU PROJECT MANAGER SO THE SECURITY WIRING CAN BE PULLED AT THE SAME TIME AS THE DATA WIRING.
5. COORDINATE THE HEIGHT OF THE RECEPTACLE WITH THE ARCHITECTURAL INTERIOR ELEVATIONS. PROVIDE RECESSED RECEPTACLE TO ALLOW THE MICROWAVE TO PUSH ALL THE WAY BACK.
6. PROVIDE 3/4" CONDUIT FROM THE NETWORK RACK TO A JUNCTION BOX IN THE WALL FOR SECURITY WIRING. INSTALL JUNCTION BOX 21" IN FROM THE STUD WALL, AND 34" TO THE TOP OF THE BOX. PROVIDE A BLANK COVER PLATE. SECURITY WIRING AND DEVICE TO BE PROVIDED AND INSTALLED BY THE OWNER. REFER TO DETAIL 4/E4.1.
7. PROVIDE AND INSTALL A WALL MOUNTED NETWORK RACK. 35RU, APPROXIMATE DIMENSIONS 68"H x 23" W x 22" D. RACK TO BE A PIVOTING SECTIONAL WALL CABINET TO ALLOW REAR ACCESS. MIDDLE ATLANTIC DWR-35-22 (OR APPROVED). INSTALL TO ALLOW FULL SWING CLEARANCE OF THE CABINET. CENTER RACK ON THE BACK WALL. REFER TO ELEVATION 2/E4.1 FOR MOUNTING HEIGHT.
8. GROUND BUS. INSTALL AT 6" AFF.
9. CT SECTION, METER AND ELECTRICAL SERVICE ENTRANCE DISCONNECT. REFER TO THE ONE-LINE DIAGRAM FOR REQUIREMENTS. REFER TO DETAIL 2/E6.1 FOR MOUNTING AND SPACING REQUIREMENTS.
10. 4'x8'x3/4" PLYWOOD BACKBOARD SHEETS TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. PROVIDE FULL LENGTH ON THE LONG WALL ON THE SHORT WALL ON THE SHORT WALL. INSTALL THE PLYWOOD STARTING AT 6" ABOVE THE FLOOR. COORDINATE WITH THE GENERAL CONTRACTOR.
11. COORDINATE THE LOCATION OF THE IRRIGATION CONTROLLER WITH THE LANDSCAPE DRAWINGS. CONFIRM HEIGHT OF J-BOX WITH THE LANDSCAPE CONTRACTOR PRIOR TO ROUGH-IN. THE ELECTRICAL CONTRACTOR IS TO MAKE ALL WIRING CONNECTIONS IN THE J-BOX.
12. THE CONDUIT FROM THE DISCONNECT TO THE CONDENSING UNIT IS TO BE INSTALLED UNDER THE CONCRETE PAD, THEN STUBBED UP TO THE CONDENSING UNIT.
13. THE EXHAUST FAN IS TO BE CONTROLLED WITH THE LIGHTING OCCUPANCY SENSOR.
14. PROVIDE 120V CIRCUIT FOR THE VAV'S. ELECTRICAL CONTRACTOR TO MAKE ALL 120V CONNECTIONS. MECHANICAL CONTRACTOR TO MAKE ALL LOW VOLTAGE CONNECTIONS.
15. PROVIDE HEAT TAPE IN ALL RAIN GUTTERS AND DOWNSPOUTS. SEE SHEET A1.21 FOR RAIN GUTTER AND DOWNSPOUT LOCATIONS.
16. PROVIDE 1" CONDUIT AND J-BOX AT THE NIGHT DROP DEPOSITORY FOR ALARM AND COMMUNICATIONS. ROUTE CONDUIT TO THE NETWORK RACK IN ELECT/I.T. 103.
17. PROVIDE A USB RECEPTACLE. HUBBELL USB20A5x (OR APPROVED EQUAL).
18. PROVIDE 3/4" CONDUIT FROM THE NETWORK RACK TO A JUNCTION BOX IN THE WALL FOR SECURITY WIRING. INSTALL JUNCTION BOX ADJACENT TO THE DATA JACK. PROVIDE A BLANK COVER PLATE. SECURITY WIRING AND DEVICE TO BE PROVIDED AND INSTALLED BY THE OWNER.
19. REFER TO SHEET E4.2 FOR CONTINUATION.
20. LOCATE RECEPTACLES UNDER THE DRAWER. REFER TO DETAIL 4/E4.1 FOR ELEVATIONS AND COORDINATION WITH THE DIEBOLD EQUIPMENT.
21. PROVIDE 1 1/2" CONDUIT FROM THE OPERATORS AREA UNDERGROUND TO THE VAT UNIT. COORDINATE WITH THE DIEBOLD SHOP DRAWINGS.
22. PROVIDE (2) 1/2" CONDUITS FROM THE VAT CONTROL BOX OVERHEAD TO THE VAT UNIT FOR CONTROL CABLE, AUDIO CABLE, AND CCTV CABLES. COORDINATE EXACT LOCATION WITH VAT INSTALLER AND THE DIEBOLD SHOP DRAWINGS.
23. STUB (1) 4" CONDUIT FOR COMMUNICATIONS AND SECURITY WIRING FOR THE ATM. STUB UP INTO ELECT/I.T. 103 UNDER THE NETWORK RACK LOCATION.
24. COORDINATE THE RECEPTACLE, HDMI AND DATA JACK LOCATION WITH THE MONITOR MOUNT. THE MONITOR AND THE MONITOR MOUNT ARE TO BE PROVIDED AND INSTALLED BY THE OWNER.
25. PROVIDE AND INSTALL AN HDMI CONNECTOR FROM THE FLOOR BOX TO THE INPUT ON THE WALL.
26. PROVIDE A SWITCH FOR BREAK ROOM EXHAUST FAN.
27. PROVIDE (1) 1" CONDUIT FROM THE IRRIGATION CONTROLLER, UNDER THE CONCRETE PAD AND OUT TO THE LANDSCAPE AREA FOR THE CONTROL WIRES. CAP THE CONDUIT TO PROTECT FROM MOISTURE AND DEBRIS FROM ACCUMULATING IN THE CONDUIT.
28. STUB UP THE CONDUITS FOR THE POWER, DATA AND SECURITY INTO THE SECTION OF THE ECR/ILT WHERE THE CONNECTIONS WILL BE MADE. ONCE THE UNIT IS SET, INSTALL THE RECEPTACLE AND DATA JACKS ON THE INSIDE WALL OF THE UNIT. COORDINATE THE EXACT LOCATION OF THE STUB UPS WITH THE ARCHITECTURAL DIMENSIONED PLANS AND WITH THE ECR/ILT SHOP DRAWINGS. CONFIRM THE LOCATION DURING THE TIME OF INSTALLATION, PRIOR TO POURING THE CONCRETE.
29. COORDINATE THE EXACT LOCATION OF THE FLOOR BOX WITH THE ARCHITECTURAL DIMENSIONED PLANS AND WITH THE ECR/ILT SHOP DRAWINGS. CONFIRM THE LOCATION DURING THE TIME OF INSTALLATION, PRIOR TO POURING THE CONCRETE.
30. STUB UP THE CONDUITS FOR THE POWER, DATA AND SECURITY INTO THE SECTION OF THE PODIUM WHERE THE CONNECTIONS WILL BE MADE. ONCE THE PODIUM IS SET, INSTALL THE RECEPTACLE AND DATA JACKS ON THE INSIDE WALL OF THE PODIUM. COORDINATE THE EXACT LOCATION OF THE STUB UPS WITH THE ARCHITECTURAL DIMENSIONED PLANS AND WITH THE PODIUM SHOP DRAWINGS. CONFIRM THE LOCATION DURING THE TIME OF INSTALLATION, PRIOR TO POURING THE CONCRETE.
31. INSTALL (2) 2" CONDUITS FROM THE NETWORK RACK TO THE ACCESSIBLE CEILING SPACE FOR THE ROUTING OF THE CABLING TO THE RACK.
32. STUB UP THE TELECOM CONDUITS, ATM CONDUITS AND SIGN CONDUITS AT THIS LOCATION.
33. CENTER THE POWER AND DATA BELOW THE DESK.
34. CENTER THE POWER, DATA AND HDMI ABOVE THE DESK.
35. INSTALL A J-BOX FOR THE DYE PACK TRANSMITTER IN THE ACCESSIBLE CEILING SPACE, AS CLOSE TO THE EXIT DOOR AS POSSIBLE. PROVIDE A COVERPLATE AND LABEL AS "DYE PACK TRANSMITTER".
36. THE SOUND CABINET IS TO PROVIDED AND INSTALLED UNDER A SEPARATE CONTRACT.
37. REFER TO ELEVATION 2/E4.1 FOR RECEPTACLE MOUNTING HEIGHT.
38. THE POWER CIRCUIT IS TO EXTEND TO THE EXHAUST FAN IN THE ELECT/IT ROOM.
39. DIEBOLD EQUIPMENT. TO BE PROVIDED AND INSTALLED BY THE DIEBOLD INSTALLER.
40. PROVIDE A 12" X 12" X 6" SURFACE MOUNTED BOX, WITH REMOVABLE COVER, FOR THE CONDUIT STUB UPS. TERMINATE THE CONDUITS IN THE BOX.
41. PROVIDE A JUNCTION BOX IN THE WALL FOR VAT WIRING. INSTALL 12" IN FROM THE STUD WALL. INSTALL AT 34" TO THE TOP OF BOX.
42. PROVIDE 1/2" CONDUIT FROM EACH OF THE VAT MACHINES TO THE J-BOX IN THE WALL.
43. ADA DOOR OPERATOR. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADA HARDWARE LOCATIONS AND SPECIFICATIONS. REFER TO THE MANUFACTURES WIRING DIAGRAM FOR MORE INFORMATION. THE ELECTRICAL CONTRACTOR IS TO MAKE ALL ELECTRICAL CONNECTIONS TO THE OPERATORS AND PUSHBUTTONS.
44. PROVIDE OUTLET FOR VAT BLOWER UNIT AND RAIL HEATER ABOVE THE DRIVE THROUGH CANOPY. COORDINATE EXACT LOCATION WITH THE VAT INSTALLER.
45. PROVIDE 3/4" CONDUIT FROM THE VAT OPERATOR UNIT TO THE VAT CONTROL BOX LOCATION FOR BLOWER CONTROL CABLE AND UNIT CONTROL CABLE. COORDINATE EXACT LOCATION WITH THE VAT INSTALLER.
46. PROVIDE (1) 1" CONDUIT FOR THE ELECTRICAL CIRCUIT. STUB UP CONDUIT IN CONCRETE OPENING FOR BANK EQUIPMENT. COORDINATE WITH THE ARCHITECTURAL PLANS FOR CONCRETE WORK.
47. PROVIDE 1 1/2" CONDUIT FROM THE OPERATORS AREA UNDERGROUND TO THE VAT UNIT. COORDINATE WITH THE DIEBOLD SHOP DRAWINGS.
48. PROVIDE (2) 1/2" CONDUITS FROM THE VAT CONTROL BOX OVERHEAD TO THE VAT UNIT FOR CONTROL CABLE, AUDIO CABLE, AND CCTV CABLES. COORDINATE EXACT LOCATION WITH VAT INSTALLER AND THE DIEBOLD SHOP DRAWINGS.
49. STUB (1) 4" CONDUIT FOR COMMUNICATIONS AND SECURITY WIRING. STUB UP INTO ELECT/IT 103 UNDER THE NETWORK RACK LOCATION.
50. PULL (2) DATA CABLES TO THE ATM LOCATION. COORDINATE THE TIMING OF THE DATA CABLE PULL WITH THE ATM INSTALLER.
51. PROVIDE HEAT TAPE IN ALL RAIN GUTTERS AND DOWNSPOUTS. SEE SHEET A1.21 FOR RAIN GUTTER AND DOWNSPOUT LOCATIONS.
52. POWER RECEPTACLE FOR WATER HEATER RECIRCULATION PUMP COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLERS PRIOR TO ROUGH-IN.

GENERAL NOTES

A. DATA CONDUIT IS TO BE A MINIMUM OF 1".
B. THE CIRCUITING IS TO BE INSTALLED IN CONDUIT/WIRE. WIRE IS TO BE COPPER ONLY, NO ALUMINUM CABLING. MC CABLING IS NOT ALLOWED. REFER TO SPECIFICATION SECTION 26 0519.

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NO.	DATE	DESCRIPTION

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POWER PLAN
E4.1

FEEDER SCHEDULE	
SYMBOL CONDUIT & WIRE SIZE	
400D	(2) SETS 2.5"C 4#4/0, 1#3 GRD
400S	(2) SETS 2.5"C 4#4/0

MECHANICAL EQUIPMENT SCHEDULE

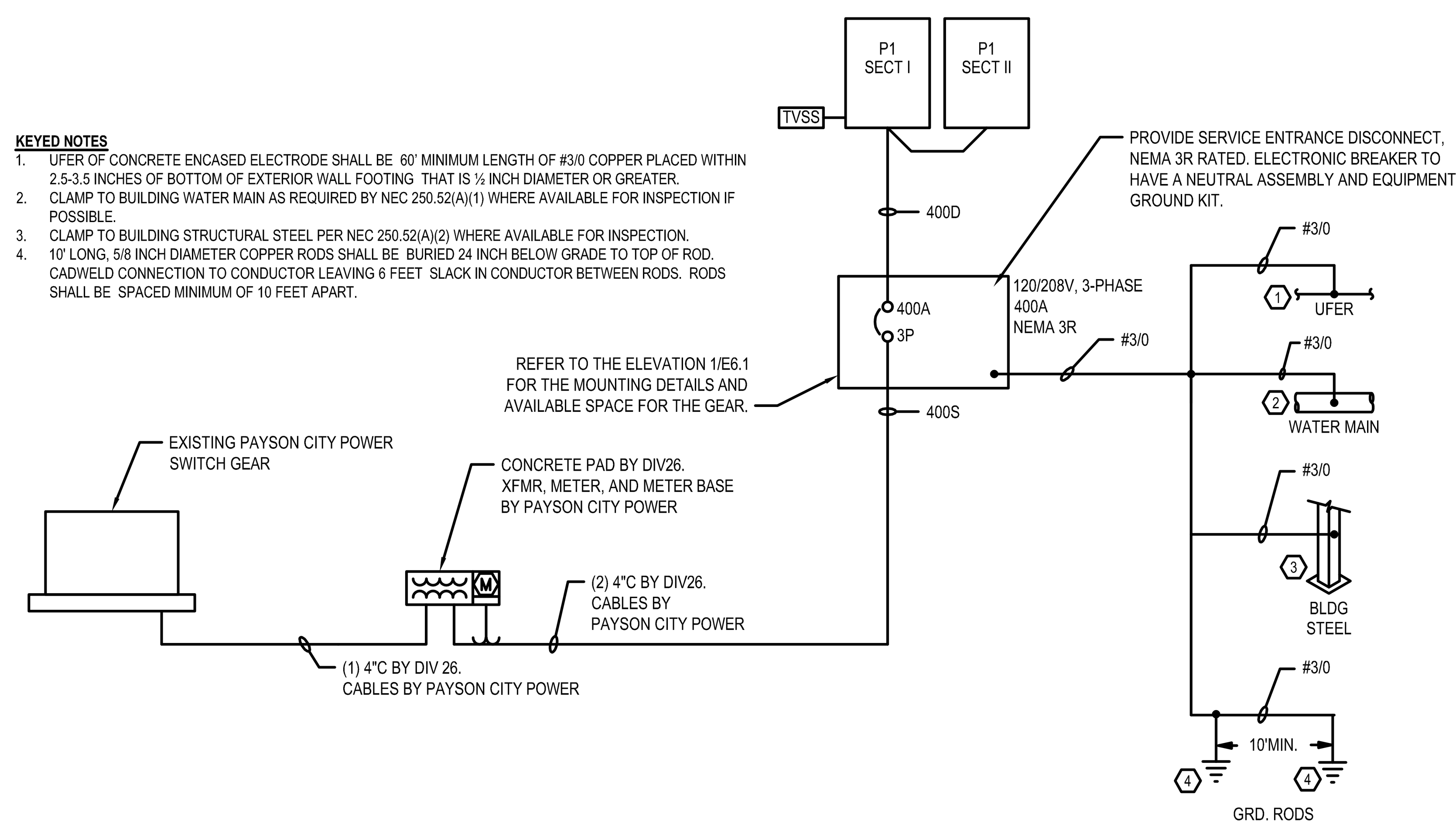
DESCRIPTION		VOLT	PH	HP		WATTS		MCA	FLA	AMPS	DISCONNECT				STARTER			WIRING REQUIREMENTS						NOTES
ID #	NAME			RATING	AMPS	RATING	AMPS				MANUAL STARTER	SIZE	FUSE SIZE	FURN. BY	TYPE	SIZE	FURN. BY	WIRES			GROUND	CONDUIT	BREAKER	
F-1	FURNACE	120	1	1	16.0						-	30		Div 26			Div 23	2	#	10	1 # 10	3/4"	25	
F-2	FURNACE	120	1	3/4	13.8						-	30		Div 26			Div 23	2	#	10	1 # 10	3/4"	25	
CU-1	CONDENSING UNIT	208	1					35.0			-	60	45	Div 26			Div 23	2	#	8	1 # 10	3/4"	45	
CU-2	CONDENSING UNIT	208	1					24.0			-	30	30	Div 26			Div 23	2	#	10	1 # 10	3/4"	30	
VAV-1	VARIABLE VOLUME TERMINAL	120	1								-			-			-	2	#	12	1 # 12	3/4"	20	
EF-1	EXHAUST FAN	120	1					1.1			-	THERMAL SWITCH		Div 26	OCC SENSOR		Div 26	2	#	12	1 # 12	3/4"	20	
EF-2	EXHAUST FAN	120	1					1.1			-	THERMAL SWITCH		Div 26	OCC SENSOR		Div 26	2	#	12	1 # 12	3/4"	20	
EF-3	EXHAUST FAN	120	1					1.1			-	THERMAL SWITCH		Div 26	OCC SENSOR		Div 26	2	#	12	1 # 12	3/4"	20	
EF-4	EXHAUST FAN	120	1					1.8			-	THERMAL SWITCH		Div 26	SWITCH		Div 26	2	#	12	1 # 12	3/4"	20	
EF-5	EXHAUST FAN	120	1					1.8			-	THERMAL SWITCH		Div 26			Div 23	2	#	12	1 # 12	3/4"	20	
WH-1	WATER HEATER	208	1			3000.0	14.4				-	THERMAL SWITCH		Div 26				2	#	12	1 # 12	3/4"	20	
CP-1	CIRCULATION PUMP	120	1			150.0	1.3				-	PLUG IN TYPE		-				2	#	12	1 # 12	3/4"	20	

PANEL: P1

120 / 208	4	W	3	PH		400 Amps			Main Lugs					22 KAIC
DESCRIPTION	TYPE	LOAD	BKR	P	CKT	A	B	C	CKT	BKR	P	TYPE	LOAD	DESCRIPTION
LIGHTING - LCP-a	L	1236	20	1	1	2436			2	20	1	R	1200	MICROWAVE
LIGHTING - LCP-b	L	414	20	1	3		1614		4	20	1	R	1200	REFRIGERATOR
LIGHTING	L	570	20	1	5			2226	6	20	1	N	1656	DISPOSAL
LIGHTING - LCP-c	L	202	20	1	7	562			8	20	1	R	360	RECEPTACLES
LIGHTING - LCP-d	L	283	20	1	9		1363		10	20	1	R	1080	RECEPTACLES
NETWORK RACK RECEPTACLE	R	600	20	1	11			1320	12	20	1	R	720	RECEPTACLES
NETWORK RACK RECEPTACLE	R	600	20	1	13	1140			14	20	1	R	540	RECEPTACLES
RECEPTACLES	R	540	20	1	15		780		16	20	1	N	240	CASH RECYCLER
CANOPY DIRECTIONAL SIGNAGE	N		20	1	17			1900	18	20	1	N	1900	ILT - ILT SIDECAR
RECEPTACLES	R	540	20	1	19	2440			20	20	1	N	1900	ILT - ILT SIDECAR
SITE LIGHTING - LCP-f	L	791	20	1	21		2691		22	20	1	N	1900	ILT - ILT SIDECAR
FLAG POLE LIGHTING - LCP-g	L	57	20	1	23			777	24	20	1	R	720	RECEPTACLES
RECEPTACLES	R	900	20	1	25	1260			26	20	1	R	360	RECEPTACLES
RECEPTACLES	R	900	20	1	27		1260		28	20	1	R	360	RECEPTACLES
RECEPTACLES	R	540	20	1	29			1260	30	20	1	R	720	RECEPTACLES
SIGN LIGHTING LCP-h	L		20	1	31	1200			32	20	1	R	1200	PRINTER
SIGN POWER	N	1200	20	1	33		1920		34	20	1	R	720	RECEPTACLES
ADA DOOR ACTUATOR	N	1200	20	1	35			2400	36	20	1	M	1200	ELECTRIC WATER COOLER
SPARE			20	1	37	0			38	20	1			SPARE
SPARE			20	1	39		0		40	20	1			SPARE
SPARE			20	1	41			0	42	20	1			SPARE
ATM	N	2010	30	1	43	2610			44	20	1	N	600	IRRIGATION CONTROLLER
SPARE			20	1	45		480		46	20	1	N	480	AFTER HOUR DEPOSITORY
EXTERIOR ILT	N	1900	20	1	47			2728	48	20	1	M	828	EXHAUST FANS EF-1 THRU EF-5
DYE PACK TRANSMITTER	N	1200	20	1	49	4080			50	30	2	M	2880	CU-2
WH-1	M	1500	20	2	51		4380		52	-	-	M	2880	-
-	M	1500	-	-	53			5700	54	50	2	M	4200	CU-1
* HEAT TAPE	N	2400	30	1	55	6600			56	-	-	M	4200	-
* HEAT TAPE	N	2400	30	1	57		4056		58	20	1	M	1656	F-2
* HEAT TAPE	N	2400	30	1	59			4320	60	20	1	M	1920	F-1
* HEAT TAPE	N	2400	30	1	61	2900			62	20	1	M	500	VAV CIRCUIT
* HEAT TAPE	N	2400	30	1	63		3000		64	20	1	N	600	VAT BLOWER
SPARE			20	1	65			600	66	20	1	N	600	VAT BLOWER
SPARE			20	1	67	300			68	20	1	N	300	VAT CONTROL
SPARE			20	1	69		300		70	20	1	N	300	VAT CONTROL
SPARE			20	1	71			0	72	20	1			SPARE
SPACE ONLY					73	0			74	20	1			SPARE
SPACE ONLY					75		0		76	20	1			SPARE
SPACE ONLY					77			0	78	20	1			SPARE
SPACE ONLY					79	0			80	20	1			SPARE
SPACE ONLY					81		0		82	20	1			SPARE
SPACE ONLY					83			0	84	20	1			SPARE
						25528	21844	23231	.					
CONNECTED LOAD	70.6	KVA		196.0	Amps									
NEC DEMAND LOAD	69.6	KVA		193.2	Amps									

KEYED NOTES

1. UFER OF CONCRETE ENCASED ELECTRODE SHALL BE 60' MINIMUM LENGTH OF #3/0 COPPER PLACED WITHIN 2.5-3.5 INCHES OF BOTTOM OF EXTERIOR WALL FOOTING THAT IS ½ INCH DIAMETER OR GREATER.
2. CLAMP TO BUILDING WATER MAIN AS REQUIRED BY NEC 250.52(A)(1) WHERE AVAILABLE FOR INSPECTION IF POSSIBLE.
3. CLAMP TO BUILDING STRUCTURAL STEEL PER NEC 250.52(A)(2) WHERE AVAILABLE FOR INSPECTION.
4. 10' LONG, 5/8 INCH DIAMETER COPPER RODS SHALL BE BURIED 24 INCH BELOW GRADE TO TOP OF ROD. CADWELD CONNECTION TO CONDUCTOR LEAVING 6 FEET SLACK IN CONDUCTOR BETWEEN RODS. RODS SHALL BE SPACED MINIMUM OF 10 FEET APART.



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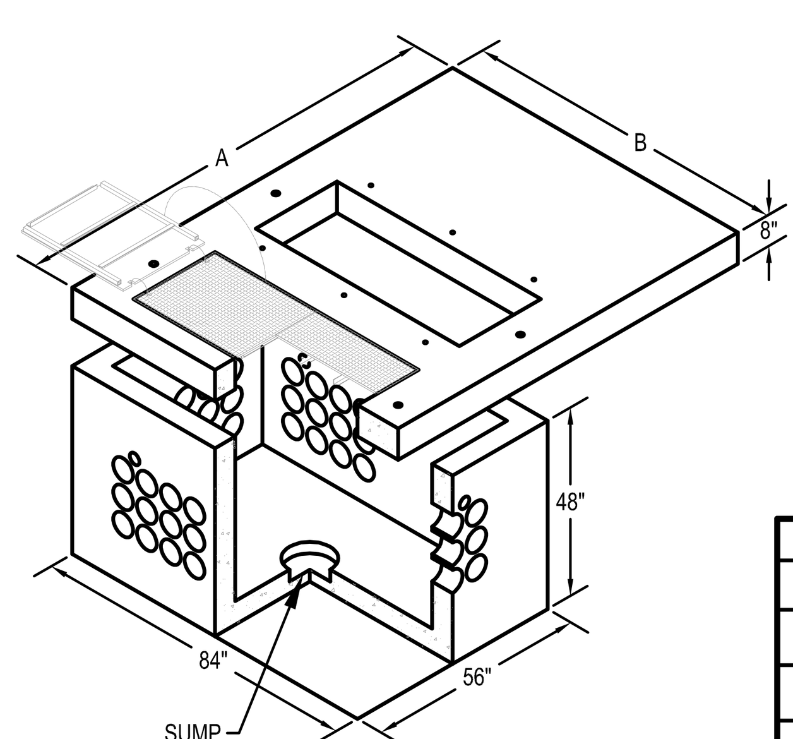
ONE-LINE DIAGRAM & SCHEDULES

E5.1



ROCKY MOUNTAIN POWER PART #ZG 621			
CONFIGURATION	DIMENSION A	DIMENSION B	SI#
15KV 3P SECTIONALIZER	5'-6"	7'-6"	7992605
25KV 3P SECTIONALIZER	5'-6"	7'-10"	7992606
35KV 3P SECTIONALIZER	5'-10"	7'-10"	7992607

1 / E6.1 T-3 RMP PAD/VAULT

SCALE: NTS

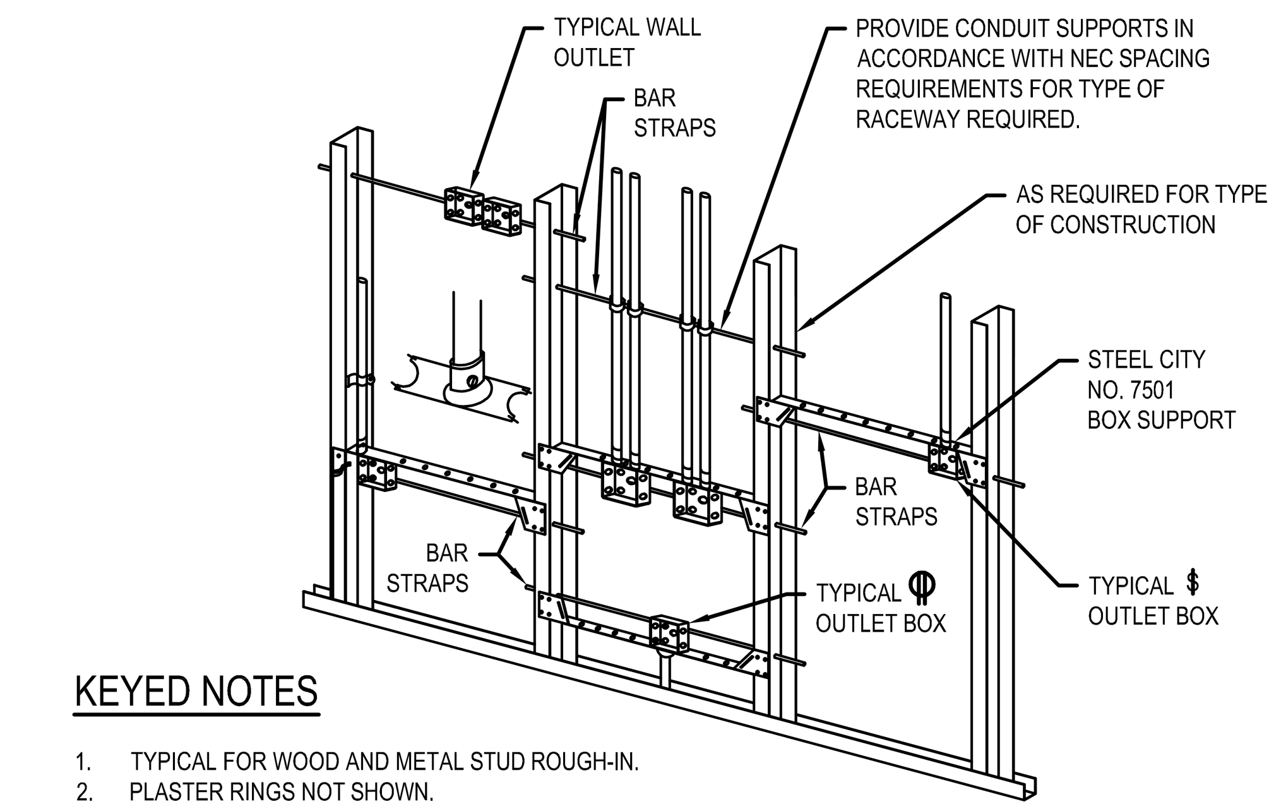
KEYED NOTES

1. NO CONDUITS ARE ALLOWED TO RISE ABOVE THE GEAR.
2. THE UNDERGROUND PVC IS TO TRANSITION TO GALVANIZED RIGID CONDUIT AS IT RISES FROM UNDERGROUND.
3. THE CONDUITS TO AND FROM THE SERVICE ENTRANCE DISCONNECT ARE TO RUN UNDERGROUND.
4. THE GEAR IS TO BE INSTALLED AT 6'-0" TO THE TOP.

2 / E6.1 GEAR ELEVATION

SCALE: NTS

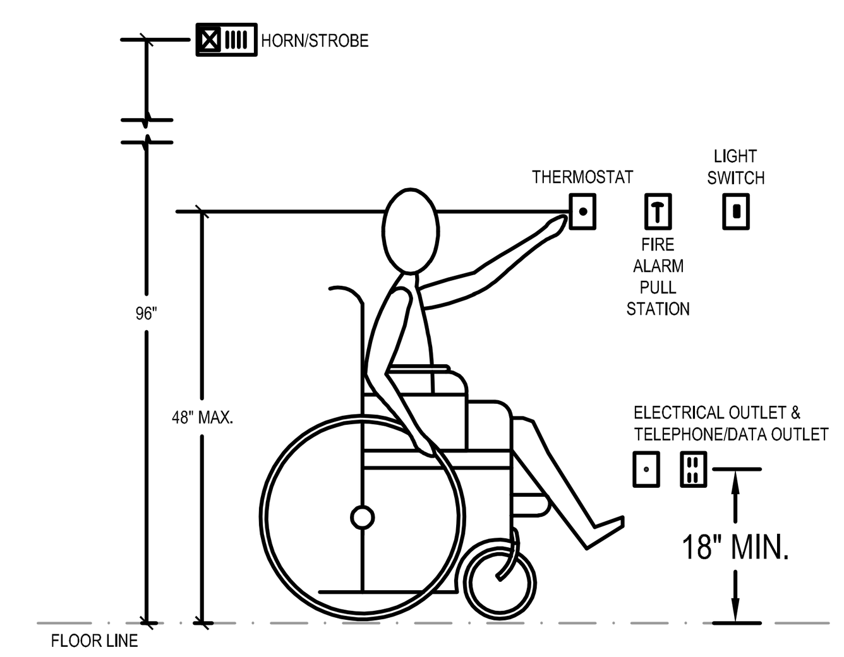
STUDIO 333



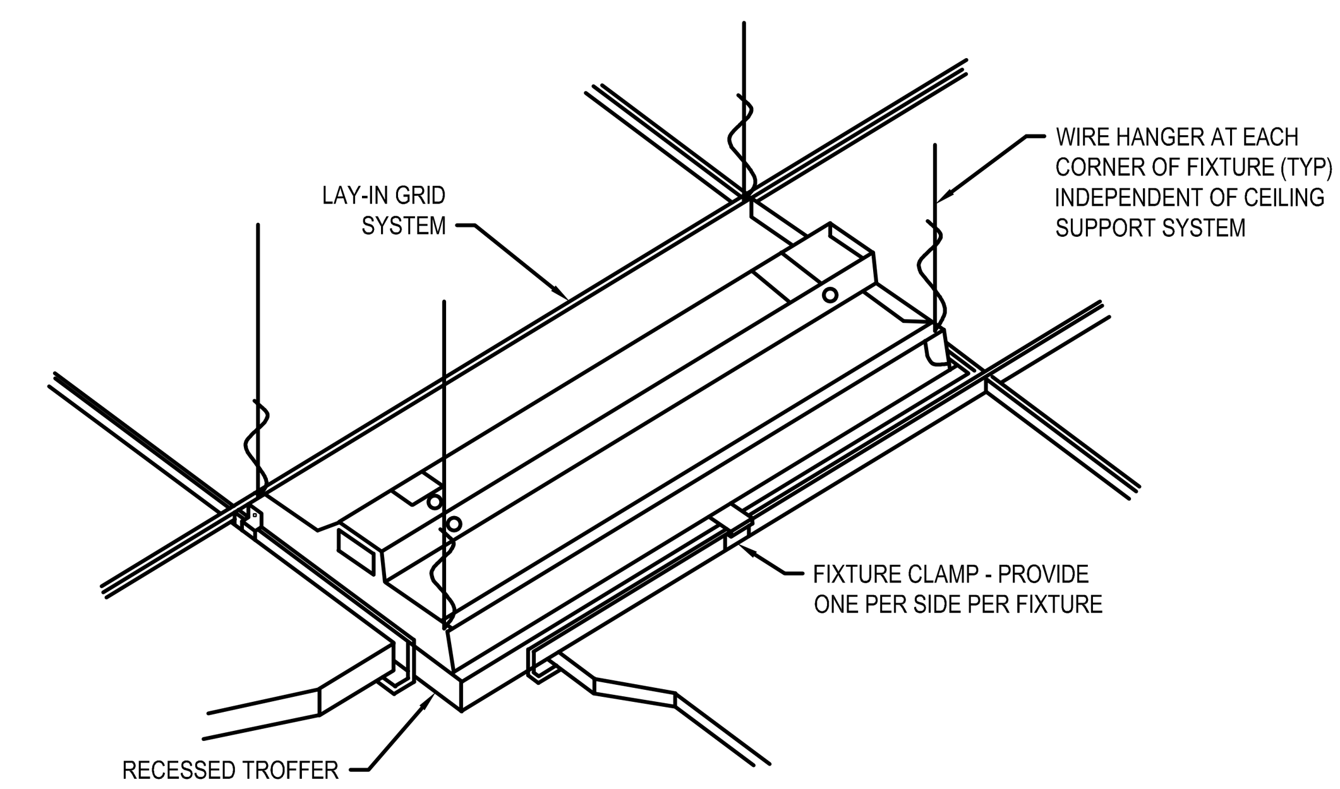
KEYED NOTES

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 WILL ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH UBC 4303, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.

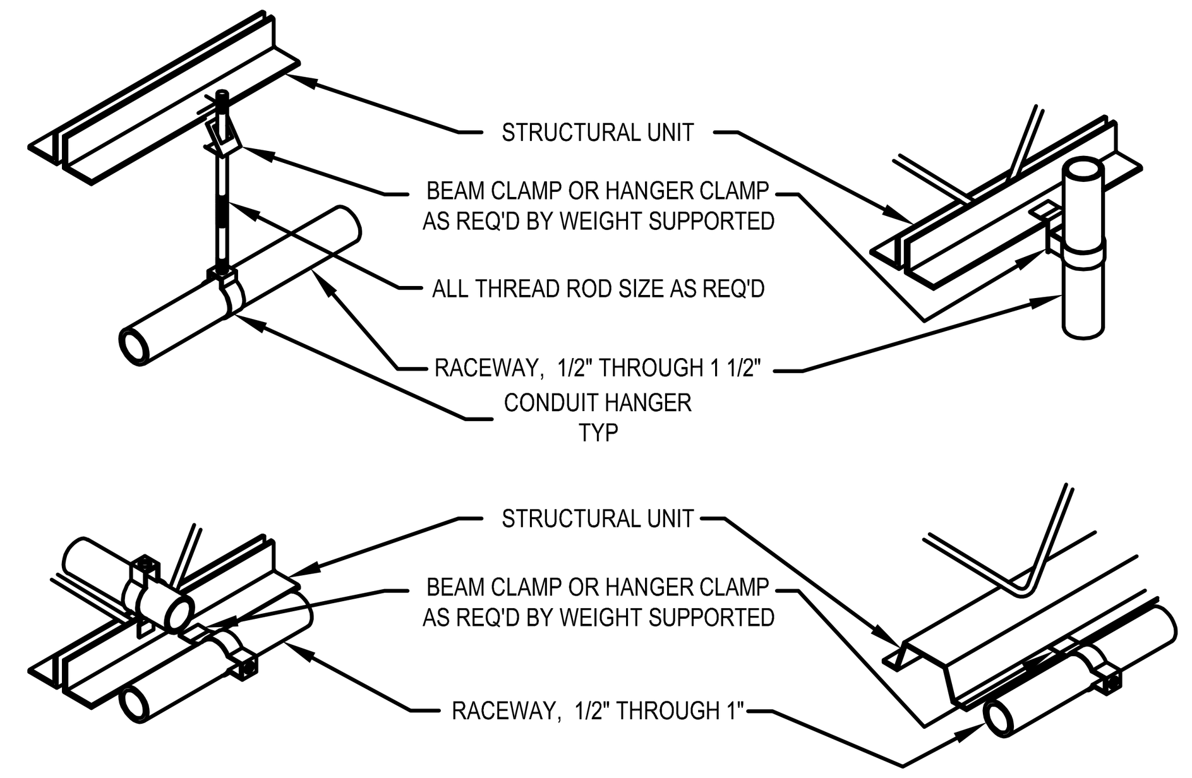
1 E6.2 TYPICAL ROUGH-IN REQUIREMENTS
NTS



2 E6.2 ADA MOUNTING HEIGHTS FOR ELECTRICAL DEVICES
NTS



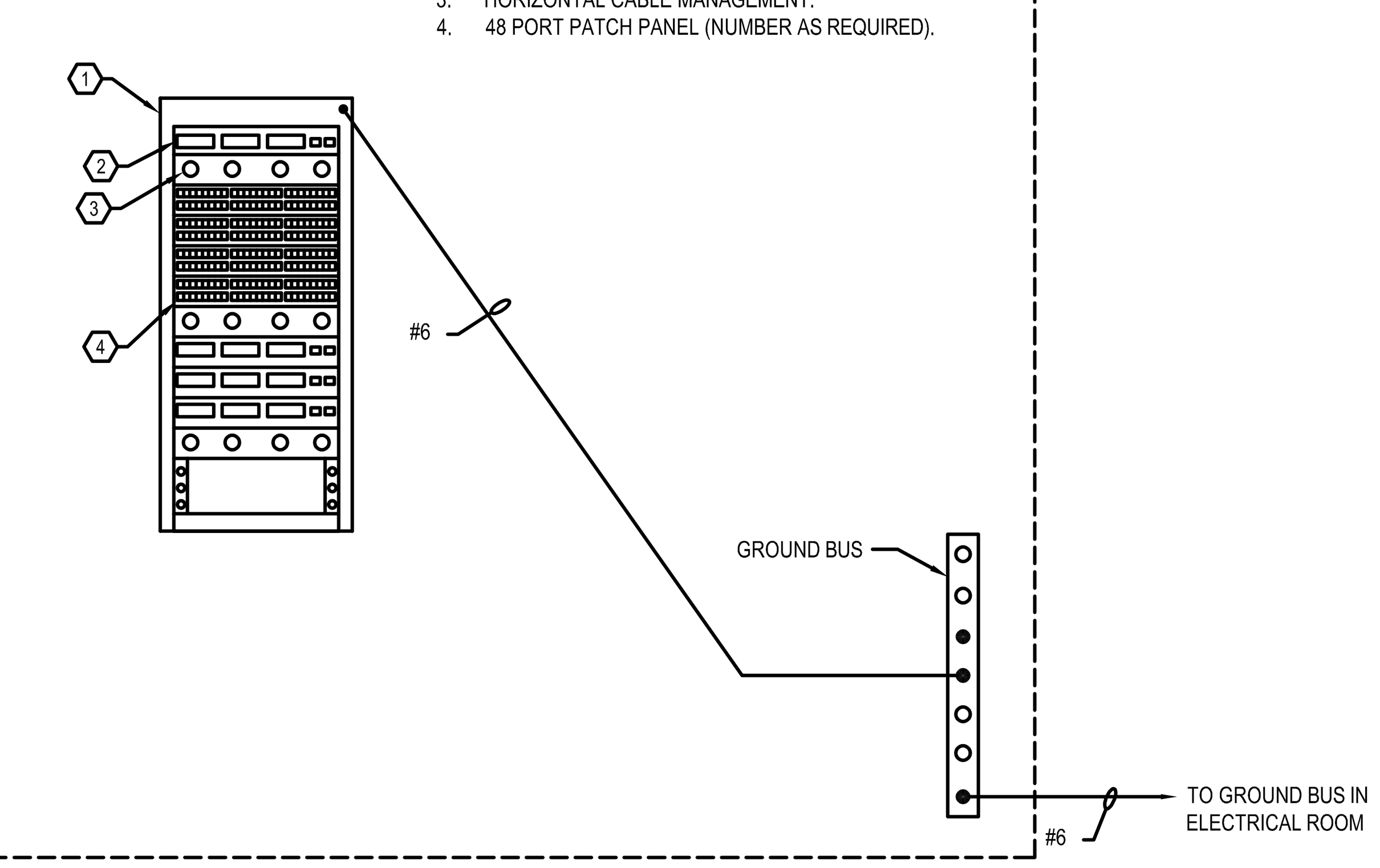
3 E6.2 TYPICAL RECESSED FIXTURE MOUNTING DETAIL
NTS



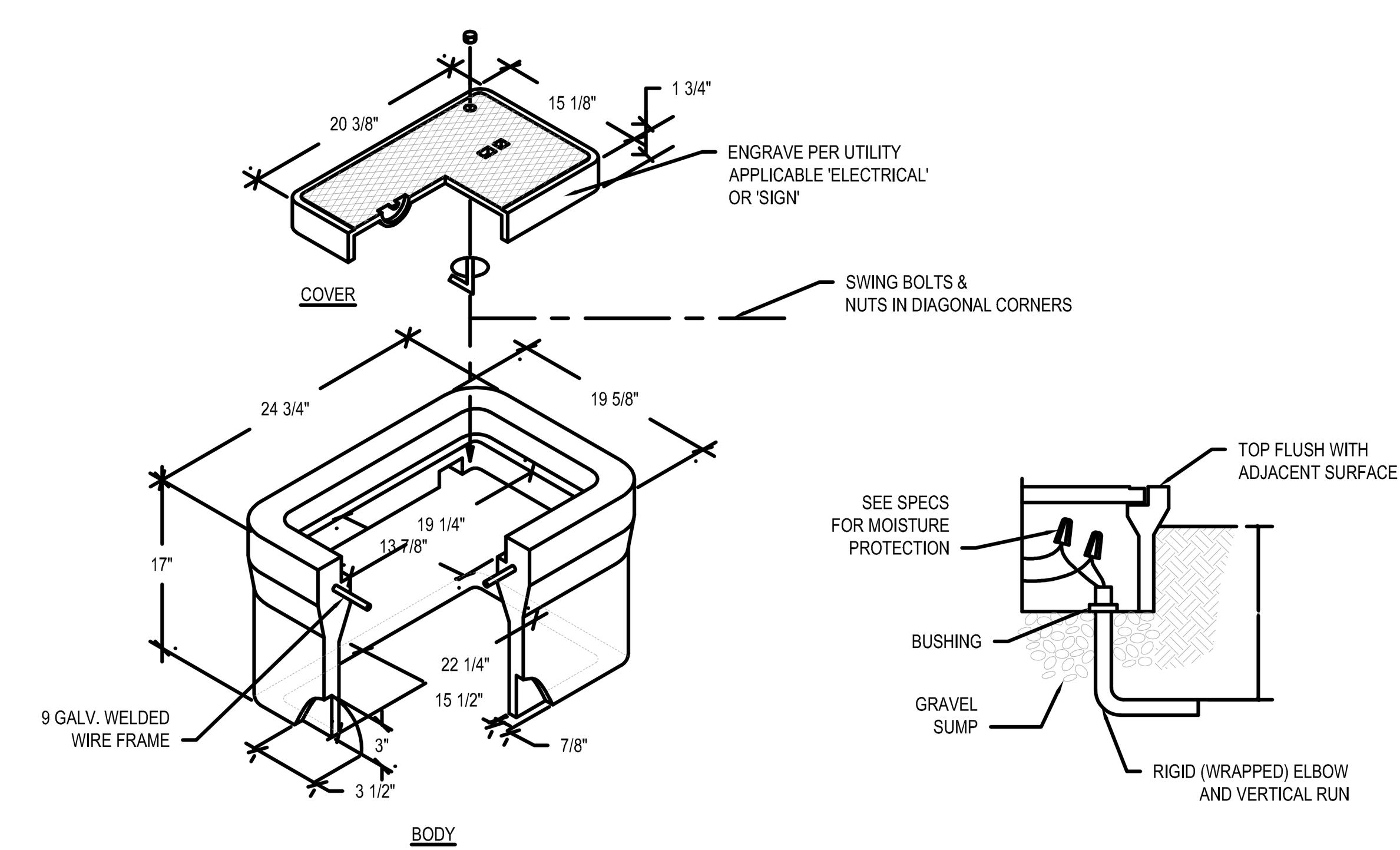
4 E6.2 RACEWAY SUPPORT DETAIL
NTS

KEYED NOTES

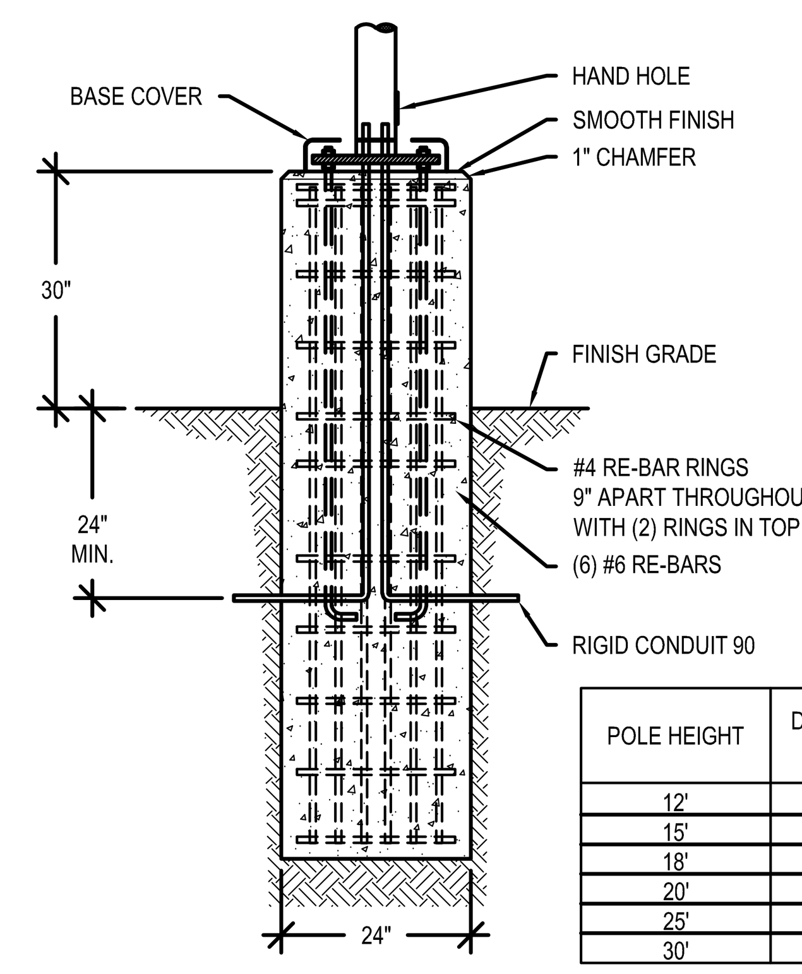
1. 19" EQUIPMENT TELECOM RACK.
2. LIU (LIGHT INTERFACE UNIT) TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
3. HORIZONTAL CABLE MANAGEMENT.
4. 48 PORT PATCH PANEL (NUMBER AS REQUIRED).



5 E6.2 TELECOM RISER DIAGRAM
SCALE: NTS



6 E6.2 HDPE J-BOX DETAIL
SCALE: NTS



POLE HEIGHT	DEPTH BELOW GRADE
12'	54"
15'	60"
18'	60"
20'	60"
25'	66"
30'	72"

NOTES:

1. ANCHOR BOLTS SUPPLIED WITH POLE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. BOND GROUND CONDUCTOR TO POLE.
3. SEAL CONDUIT TO PREVENT WATER INFILTRATION.
4. PROVIDE SPARE CONDUIT 36" BEYOND LAST POLE ON CIRCUIT, AND CAP FOR FUTURE EXTENSION.

7 E6.2 POLE BASE DETAIL
SCALE: NTS

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NO.	DATE	DESCRIPTION

BID SET
DATE: 09.16.24
PROJECT NUMBER: 2305

ELECTRICAL DETAILS E6.2