CORE ARCHITECTURE

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

SEPTEMBER 12, 2024

BID SET

INDEX OF DRAWINGS

CONSULTANTS

CIVIL
MERIDIAN ENGINEERING
1628 WEST 11010 SOUTH, SUITE #102
SOUTH JORDAN, UTAH 84095
PHONE 801.569.1315

LANDSCAPE
IN-SITE DESIGN GROUP
17 NORTH 470 WEST
AMERICAN FORK, UTAH 84003
PHONE 801.756.5043

STRUCTURAL
CALDER RICHARDS STRUCTURAL CONSULTING ENGINEERS
1805 S REDWOOD RD SUITE 102
SALT LAKE CITY, UTAH 84104
PHONE 801.466.1699

MECHANICAL
OLSEN & PETERSON ENG., INC.
14 EAST 2700 SOUTH
SALT LAKE CITY, UTAH 84115
PHONE 801.486.4646

PLUMBING
OLSEN & PETERSON ENG., INC.
14 EAST 2700 SOUTH
SALT LAKE CITY, UTAH 84115
PHONE 801.486.4646

ELECTRICAL
BNA CONSULTING
4225 LAKE PARK BLVD SUITE 275
WEST VALLEY CITY, UTAH 84120
PHONE 801.532.2196

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

COVER SHEET - BID PACKAGE 3

SHEET NUMBER

CVR - V3

BASE BID: SITE, LEVEL 1 & MEZZANINE

SITE:

1. NEW DRIVABLE CONCRETE PLAZA BETWEEN NEW FIELDHOUSE AND EXISTING TRACK
2. SITE CONCRETE CONNECTING EXISTING FOOTBALL STADIUM CONCRETE TO NEW SITE CONCRETE
3. NEW FENCE MESH ALONG WEST SIDE OF PLAY FIELDS
4. NEW FENCING AND GATES BETWEEN PLAZA AND SOD FIELD
5. NEW CHAINLINK GATES ADDED ON SOUTH END OF EXISTING TRACK CHAINLINK.
6. NEW STORM TECH SYSTEM BELOW SOD SOCCER FIELD
7. REGRADE EXISTING PLAY FIELDS FOR NEW TURF SOCCER FIELD AND NEW SOD SOCCER FIELD
8. NEW SIDEWALKS BETWEEN TURF FIELD AND SOD FIELD
9. RELOCATE EXISTING SOFBALL AND SOCCER SCOREBOARDS
10. NEW SPORTS FIELD NETTING ON NORTH AND SOUTH END OF NEW TURF SOCCER FIELD
11. REVISED IRRIGATION
12. PROVIDE FINAL GRADING
13. OWNER PURCHASED AND INSTALLED ARTIFICIAL TURF

BUILDING BASE BID

LEVEL 1:

- PEMB FINISHED AREA = 37,872 SQFT
- TRAINING ROOM
- MENS, WOMENS AND SINGLE USE RESTROOMS
- REFEREE LOCKER ROOM AND RESTROOM
- RISER ROOM
- WEIGHT ROOM
- CORRIDORS
- ELEVATOR PIT FOR FUTURE ELEVATOR
- ELECTRICAL AND DATA ROOMS
- TURF AREA FOOTPRINT; OWNER PURCHASED AND INSTALLED ARTIFICIAL TURF

LEVEL 2:

- MEZZANINE ABOVE TRAINING AND RESTROOMS = 2,260 SQFT.
- FLOOR STRUCTURE FOR MEZZANINE AREA ONLY
- GUARDRAILINGS AROUND MEZZANINE
- MEZZANINE ACCESS LADDER
- ROOF ACCESS LADDER AND HATCH
- FIRE SPRINKLER DESIGN FOR FUTURE BUILD OUT, BUT INSTALLED TO MEET OPEN UNFINISHED DESIGN
- LIMITED ELECTRICAL, PLUMBING, AND HVAC
- INSULATION IN CORRIDOR WALLS AND WALLS ADJACENT TO FINISHED SPACES
- STRUCTURAL SUPPORT & CURB FOR FUTURE RTUs
- ALL WINDOWS TO BE INSTALLED AS PART OF BASE BID

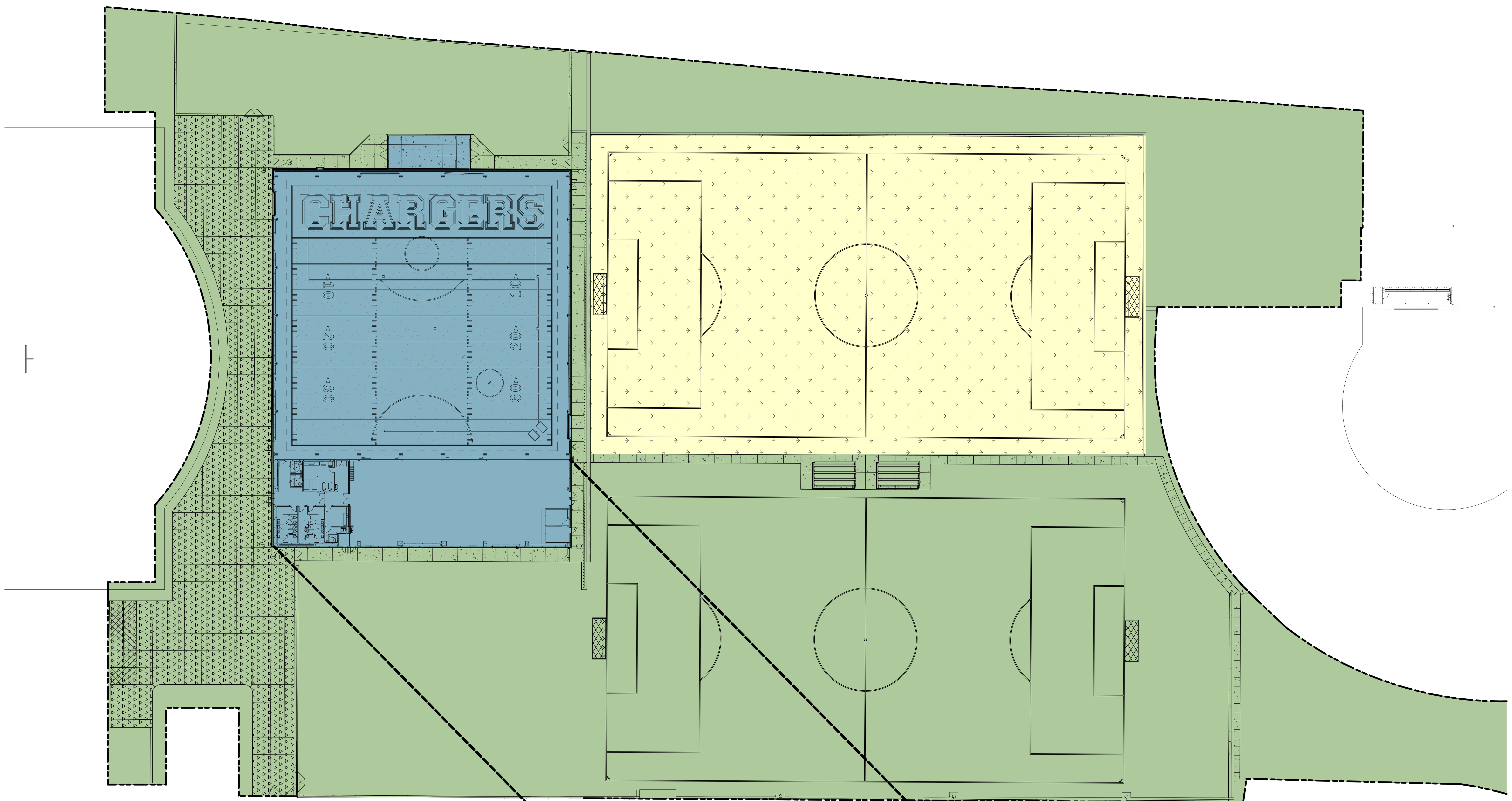
ALTERNATE # 2: LEVEL 2

- FINISHED AREA = 8,800 SQFT
- ELEVATOR
- STAIRS
- VIP HOSTING AREA
- KITCHENETTE, PANTRY, STORAGE
- SINGLE USE RESTROOMS
- LEGACY ROOM
- COACHES SUITE, OFFICES, CONFERENCE ROOM, RESTROOM, SHOWER
- STORAGE
- BALCONY AND RAILINGS OPEN TO TURF AREA BELOW

NIC: ARTIFICIAL TURF

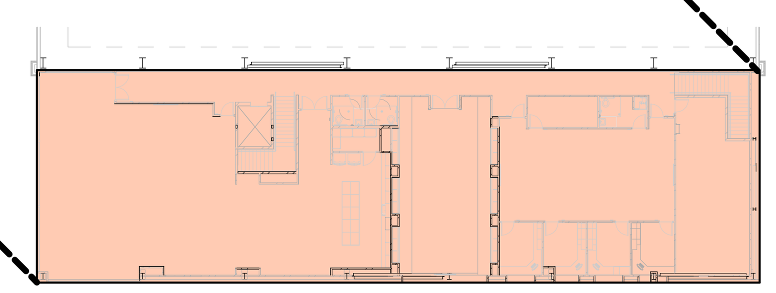
NOT PART OF THE SCOPE OF THIS PROJECT

- OWNER PURCHASED AND INSTALLED INTERIOR ARTIFICIAL TURF
- OWNER PURCHASED AND INSTALLED EXTERIOR ARTIFICIAL TURF



FIELD HOUSE PROJECT SCOPE PLAN

G001 | SCALE: 1" = 30'-0"



ALTERNATE SCOPE

G001 | SCALE: 1" = 30'-0"

CORE ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

NOT FOR CONSTRUCTION

CONSULTANT INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

PROJECT SCOPE PLAN

SHEET NUMBER

G001

1 | 2 | 3 | 4 | 5 | 6 | 7

GENERAL NOTES

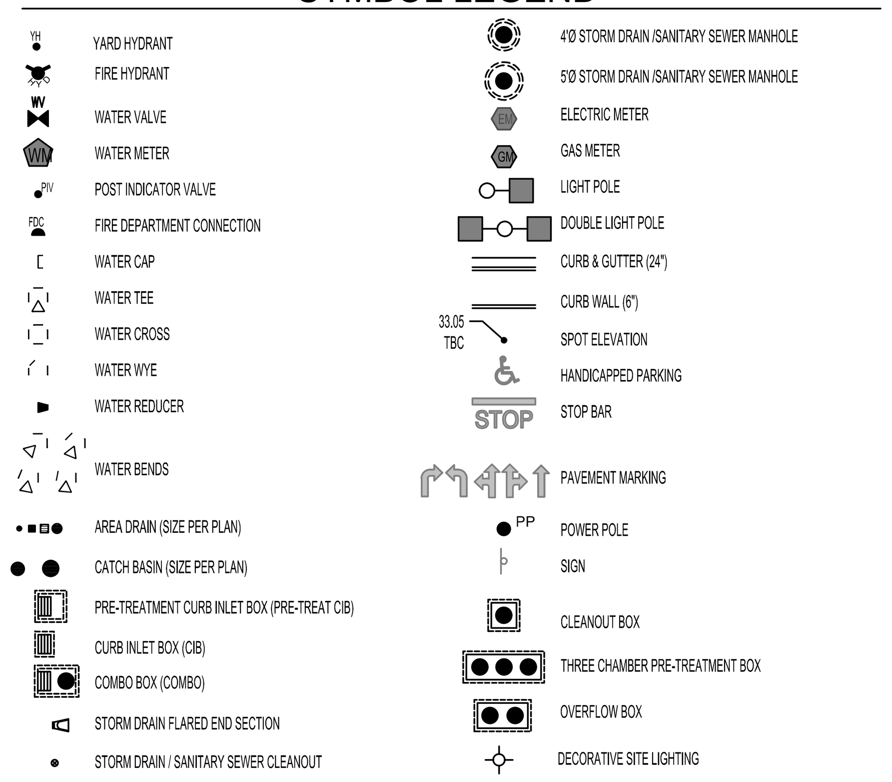
SPECIAL PROJECT NOTE:

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

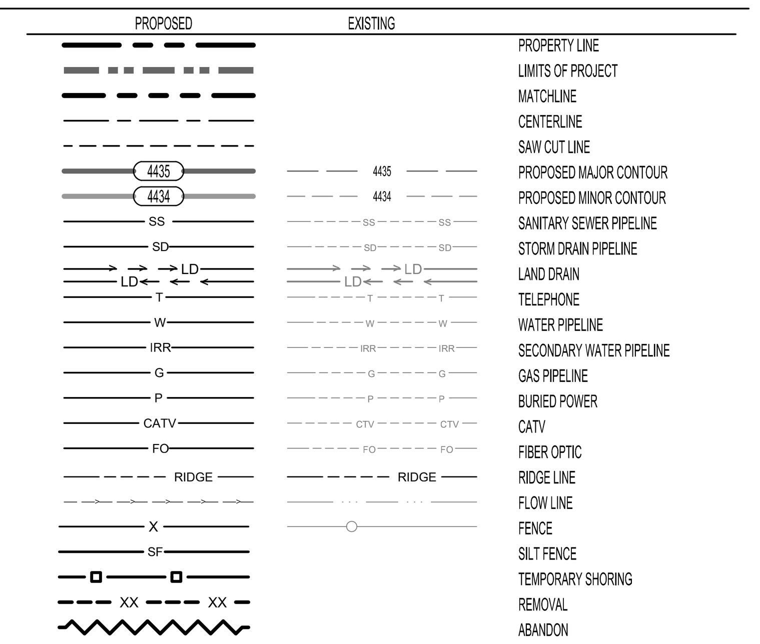
GENERAL

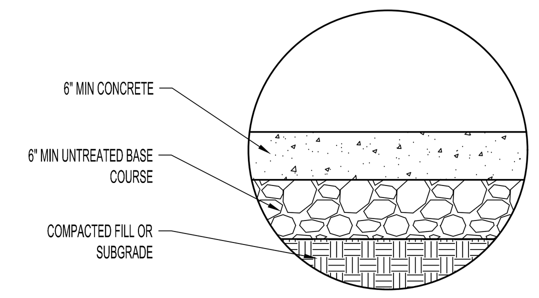
1. ANY MODIFICATION TO THIS CONSTRUCTION PACKAGE SHALL BE APPROVED BY THE OWNER. PRIOR TO SAID APPROVAL, ALL IMPROVEMENT DRAWINGS SHALL BE RESUBMITTED AND APPROVED BY THE CITY ENGINEER.
2. THE CONTRACTOR SHALL LOCATE, RETAIN AND PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXISTING GAS, TELEPHONE, POWER, OR WATERLINES WHICH MUST BE RELOCATED OR LOWERED FOR NEW GRAVITY LINES WILL BE COMPLETED BY THE CONTRACTOR TO THE UTILITY COMPANY SPECIFICATIONS.
3. ALL SUITABLE EXCAVATION MATERIAL MAY BE STOCKPILED ON LANDSCAPE AREAS (NOT OVER 3' DEEP) AND GRADED TO DRAIN. EXCESS TOPSOIL SHALL BE REMOVED AND STORED AS INDICATED ON THE LANDSCAPE PLANS. SUITABLE MATERIAL IS DEFINED IN THE PROJECT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT AS WELL AS CITY EARTHWORK SPECIFICATIONS. ALL EARTHWORK SHALL BE COMPLIANT WITH THESE DOCUMENTS. IF CITY SPECIFICATIONS AND THE GEOTECHNICAL REPORT ARE IN CONFLICT REFER TO THE CITY ENGINEER FOR DIRECTION ON WHICH REQUIREMENTS MUST BE FOLLOWED IN THE FIELD.
4. TRACER TAPE SHALL BE PLACED ABOVE ALL SEWER, PVC ROOF DRAIN LINES. WATER AND SECONDARY WATER LINES PER CITY AND DISTRICT STANDARD SPECIFICATIONS. TRACER WIRE SHALL BE INSTALLED OVER THE WATER LINES.
5. ALL EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. AS INDICATED ON THE C200 SHEET. CONTRACTOR SHALL NOTIFY BLUE STAKES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL UTILITY CONFLICTS UPON DISCOVERY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BACKFILLING, COMPACTING, AND PAVEMENT RESTORATION WERE NECESSARY TO INSTALL NEW UTILITIES OR NEW IMPROVEMENTS PER CITY STANDARDS IN EXISTING ROADWAYS.
7. CONTRACTOR SHALL PROVIDE CITY INSPECTOR WITH CONSTRUCTION SCHEDULE AFTER SAID SCHEDULE HAS BEEN APPROVED BY OWNER.
8. CONTRACTOR SHALL COORDINATE CONSTRUCTION DEMOLITION AND INSTALLATION OF ELECTRICAL, AND COMMUNICATION SERVICES WITH THE UTILITY COMPANY. OWNER SHALL PAY ALL ASSOCIATED UTILITY COMPANY FEES. CONTRACTOR TO PROVIDE ELECTRICAL LINE OR COMMUNICATION TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH POWER AND COMMUNICATION COMPANY. ALL DEMOLITION OF EXISTING AND PROPOSED NEW SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
9. CONTRACTOR TO KEEP A SET OF NEAT PLANS ON WHICH ALL CHANGES HAVE BEEN CLEARLY SHOWN. THIS SET OF REDLINES SHALL BE TURNED INTO THE ARCHITECT.
10. CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO ANY WORK.
11. ALL UTILITY STRUCTURES WITHIN PAVEMENT SHALL BE RAISED TO ACCURATE FINISHED GRADE WITH A CONCRETE COLLAR. SEE DETAIL ON THIS SHEET.
12. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS, BONDS, AND APPROVALS HAVE BEEN OBTAINED. ALL PERMIT AND BOND FEES ARE TO BE PAID BY THE OWNER.
13. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED, AND THOROUGHLY REVIEWED, ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE CURRENT REQUIREMENTS AND DEVELOPMENT STANDARDS OF THE CITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND SHALL TAKE PRECEDENCE IN CASE OF CONFLICT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND PLANS ETC.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL, CLEANING STREET AND OTHER SWPP REGULATIONS.
16. ALL EXISTING ASPHALT TO REMAIN SHALL BE SAW CUT IN NEAT, STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
17. NO CHANGE IN DESIGN LOCATIONS OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
18. CONTRACTOR SHALL NOT ALLOW ANY GROUND WATER, SURFACE WATER, ANIMALS, OR DEBRIS TO ENTER NEW PIPING DURING CONSTRUCTION.
19. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT ALL NEW FACILITIES DURING THE CONSTRUCTION PERIOD UNTIL THE DESIGN GRADE AND COVER HAVE BEEN REACHED AND WORK HAS BEEN ACCEPTED BY OWNER.
20. CONTRACTOR IS TO REMAIN WITHIN THE CONTRACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF, OR DAMAGE TO, EXISTING AND NEW UTILITIES AND FACILITIES. INCLUDING WORK DONE WITHIN THE WARRANTY PERIOD.
22. ALL ONSITE PAVEMENT SECTIONS, GRADING, EXCAVATION, BACKFILLING, AND OTHER EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS PREPARED FOR THIS PROJECT. STRUCTURAL FILL, BEDDING, IMPORTED BACKFILL, GRANULAR SUBBASE, BASE COURSE AND ASPHALTIC CONCRETE MATERIALS SHALL MEET THE REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS. ALL EARTHWORK AND PAVING IN CITY R.O.W. SHALL MEET CITY SPEC'S.
23. COORDINATE GAS INSTALLATION WITH THE GAS COMPANY. GAS COMPANY WILL ROUTE GAS TO THE METER LOCATION SHOWN ON THE PLANS. ACCOMMODATE GAS COMPANY CONTRACTOR ON SITE DURING GAS LINE INSTALLATION.
24. SEE SHEET C200 FOR SURVEY CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING THAT MAY BE NEEDED TO COMPLETE THE JOB.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND TRAFFIC PERMITS AND TRAFFIC CONTROL PLANS FOR ALL WORK IN CITY R.O.W. (EXISTING AND NEW ROADWAYS) PRIOR TO BEGINNING WORK.
33. CONTRACTOR SHALL COORDINATE CONSTRUCTION AND INSTALLATION OF ELECTRICAL, TELEPHONE, NATURAL GAS, AND SERVICES WITH THE UTILITY COMPANY. ASSOCIATED UTILITY COMPANY FEES WILL BE PAID AS OUTLINED IN CONTRACT GENERAL CONDITIONS. CONTRACTOR TO PROVIDE ELECTRICAL AND TELEPHONE LINE TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH ROCKY MOUNTAIN POWER AND CENTURY LINK. COORDINATE AND SCHEDULE WITH DOMINION ENERGY, CENTURY LINK, AND ROCKY MOUNTAIN POWER FOR CONNECTION OF THESE UTILITIES TO THE NEW BUILDING. GAS, TELEPHONE AND POWER ALL MUST BE EXTENDED TO THE SITE FROM THE NEW DEVELOPMENT IN THE AREA. COORDINATE WITH THESE UTILITIES FOR LOCATION OF THESE NEW EXTENSIONS.
34. THE USE OF MOTOR OILS AND OTHER PETROLEUM-BASED OR TOXIC LIQUIDS, FOR DUST SUPPRESSION, IS ABSOLUTELY PROHIBITED.
35. NO DRIVEWAY SHALL BE CONSTRUCTED TO CONVEY STORM RUNOFF TOWARDS ANY BUILDING.
36. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
37. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS.
38. CONTACT FOR UTILITY COORDINATION INCLUDE:
    - SEWER - SOUTH VALLEY SEWER DISTRICT 801-571-1166
    - WATER - DRAPER CITY 801-576-6557
    - STORM - DRAPER CITY 801-576-6585
    - IRRIGATION - DRAPER CITY WATER PRO 801-541-2232
    - GAS - ENBRIDGE GAS 800-323-5517
    - POWER - ROCKY MOUNTAIN POWER 888-221-7070
39. CONTRACTOR TO COORDINATE INSTALLATION OF ALL LANDSCAPE SLEEVES PRIOR TO FORMING CONCRETE SIDEWALKS. SEE LANDSCAPE PLANS.

SYMBOL LEGEND



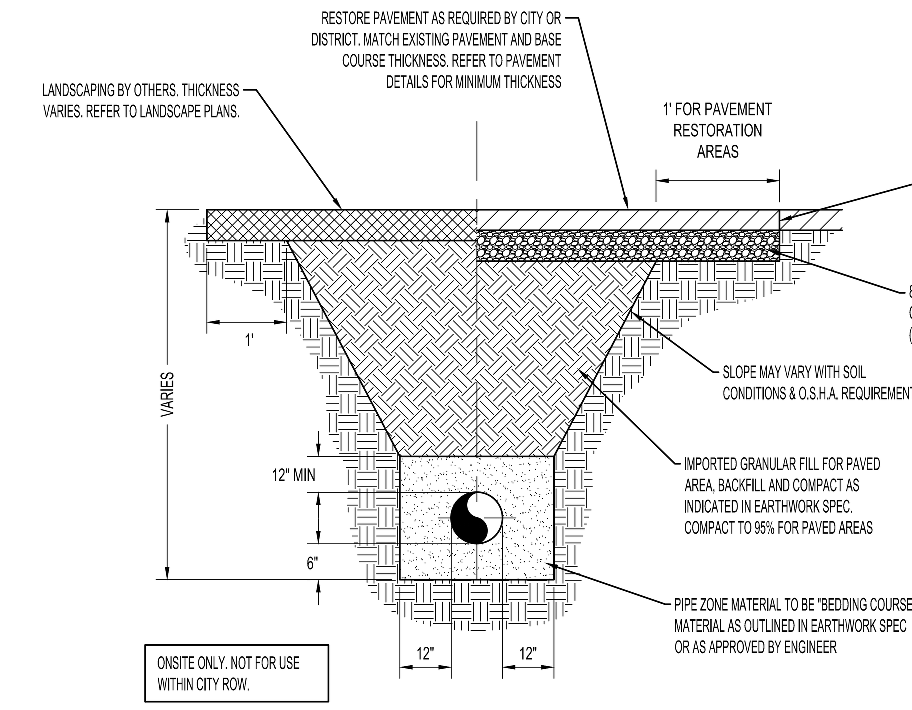
LINE LEGEND



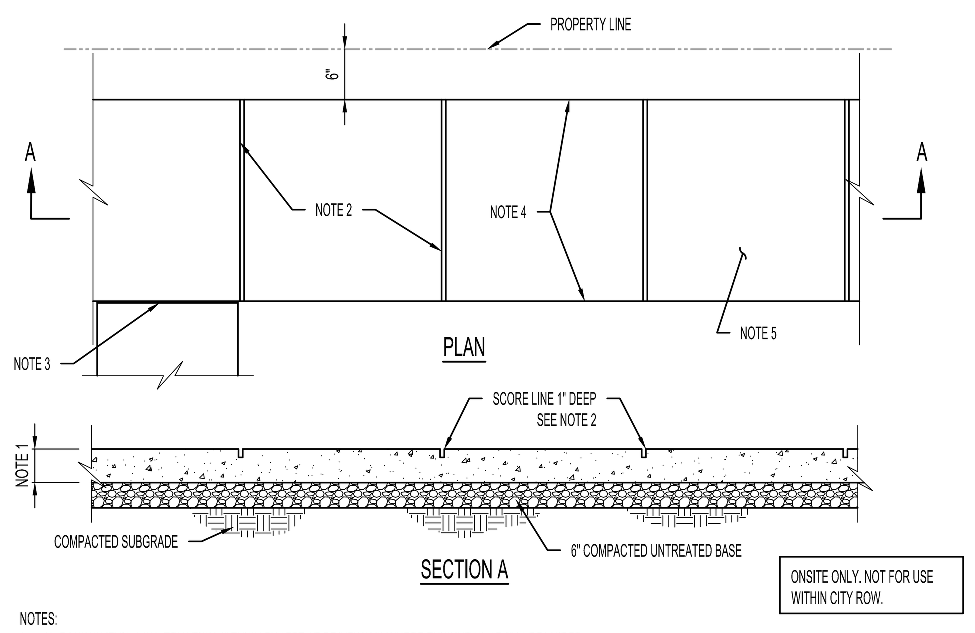


NOTES:
1. USE FOR DUMPSTER PADS AND OTHER CONCRETE PAVING WITH VEHICLE TRAFFIC. AS INDICATED BY HATCH ON CIVIL SITE LAYOUT PLAN. REINFORCING FOR DUMPSTER PADS REFER TO ARCHITECTURAL SPEC'S.
2. PROOF ROLL NATURAL SUBGRADE PER SPEC'S.
3. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
4. SEALED CONTRACTION JOINTS TO BE 1½" DEEP. JOINT PATTERN AS OUTLINED ON ARCHITECTURAL SITE PLANS. 15' MAXIMUM SPACING
5. SEAL ALL EXPANSION JOINTS PER SPEC'S.
6. IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

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

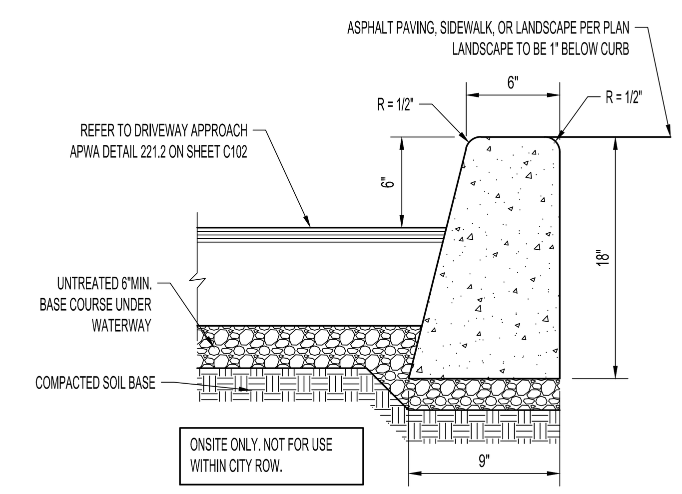


TYPICAL TRENCH AND SURFACE REPAIR — B
N.T.S.



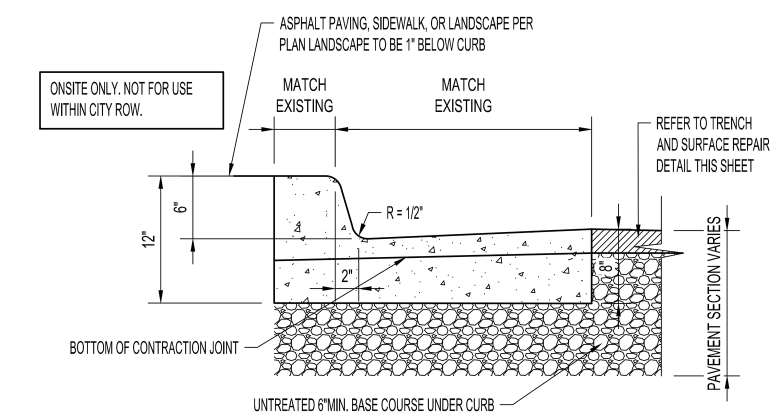
NOTES:
1. USE MONOLITHIC CONSTRUCTION 4" THICK EXCEPT AT DRIVEWAYS WHERE THICKNESS OF 6" IS REQUIRED.
2. SAWCUT AND CHAMFER SCORE LINES AT INTERVALS EQUAL TO 1 TIMES THE WIDTH OF THE SIDEWALK UNIFORMLY PLACED ALONG LENGTH OF SIDEWALK AFTER POUR. SAW CUTTING SHOULD BE DONE 4 TO 12 HOURS AFTER THE CONCRETE HAS BEEN FINISHED. IN HOT WEATHER EARLY-ENTRY DRY-CUT JOINTS SHOULD BE CUT 1 TO 4 HOURS AFTER FINISHING.
3. SIDEWALK EXPANSION JOINTS SHALL BE 20' ON CENTER MAXIMUM. THE EXPANSION JOINT SHALL INCLUDE ASPHALT IMPREGNATED FIBER EXPANSION MATERIAL. THE CONTRACTOR WILL USE BOND BREAKER TAPE WITH POLYURETHANE JOINT SEALANT TO A DEPTH OF 3/8".
4. EDGE SIDEWALK WITH 1/2" RADIUS EDGING TOOL. ROUND EDGES AT EXPANSION JOINTS TO A RADIUS OF 1/2".
5. USE HAIR-BROOM BRUSH TO FINISH SIDEWALKS.
6. OVER NEWLY BACKFILLED TRENCHES, PLACEMENT OF 2-10' #4 BARS IN SIDEWALK IS REQUIRED.
7. REMOVE NON-ENGINEER FILL BELOW SIDEWALK AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE WITH STRUCTURAL FILL.
8. ALL CONCRETE SIDEWALK SLABS SHALL BE DOWELED TO ADJACENT SLABS WITH REBAR DOWELS AT EXPANSION JOINTS OR ANY BREAK IN THE POUR. DOWELS ARE TO BE EVENLY SPACED WITH MAXIMUM DISTANCE BETWEEN DOWELS NOT TO EXCEED 24". REBAR DOWELS MUST BE #4 OR LARGER AND AT LEAST 24" LONG. DOWELS MUST BE EMBEDDED AT LEAST 3" DEEP AND NO CLOSER THAN 6" FROM THE EDGE OF THE SLAB.

CONCRETE SIDEWALK — C
N.T.S.



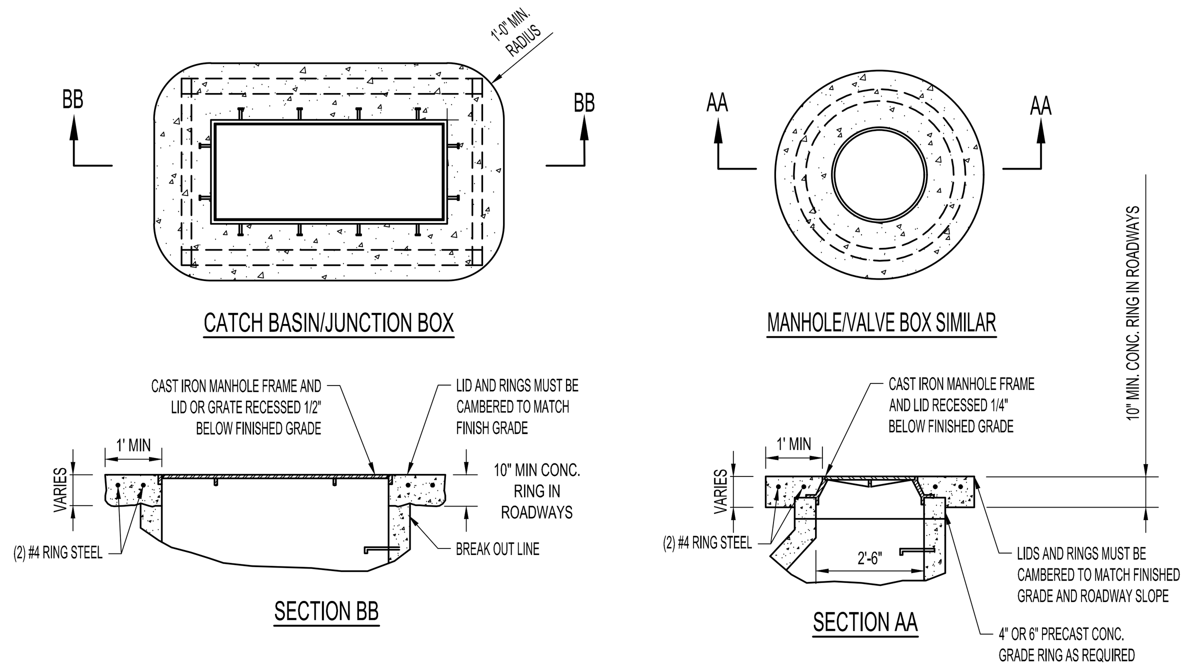
NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF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

CURB DETAIL — D
N.T.S.



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

CURB & GUTTER — E
N.T.S.



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

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

A | B | C | D | E

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

STATE OF UTAH — DATE ISSUED: 09/12/2024 — NICHOLE LEE LUTHI

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD
BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS

BID SET

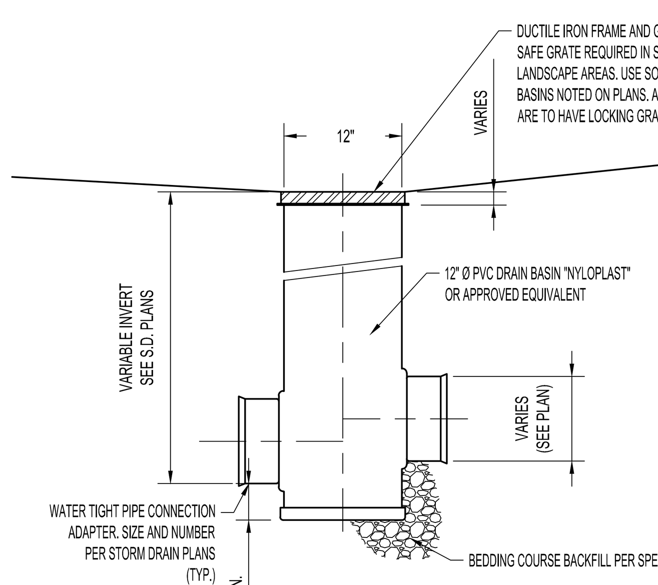
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

GENERAL NOTES AND DETAILS

SHEET NUMBER

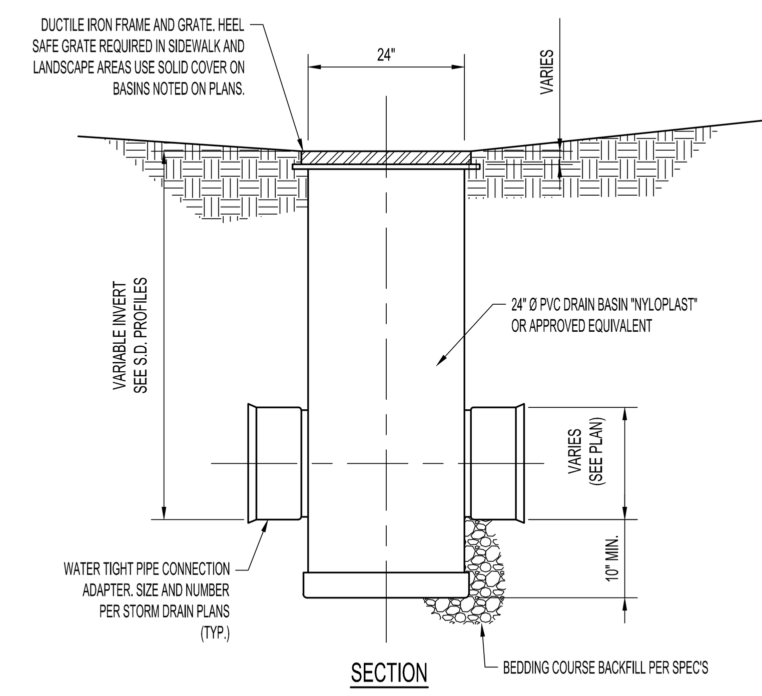
C100



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

FOR USE ONSITE ONLY

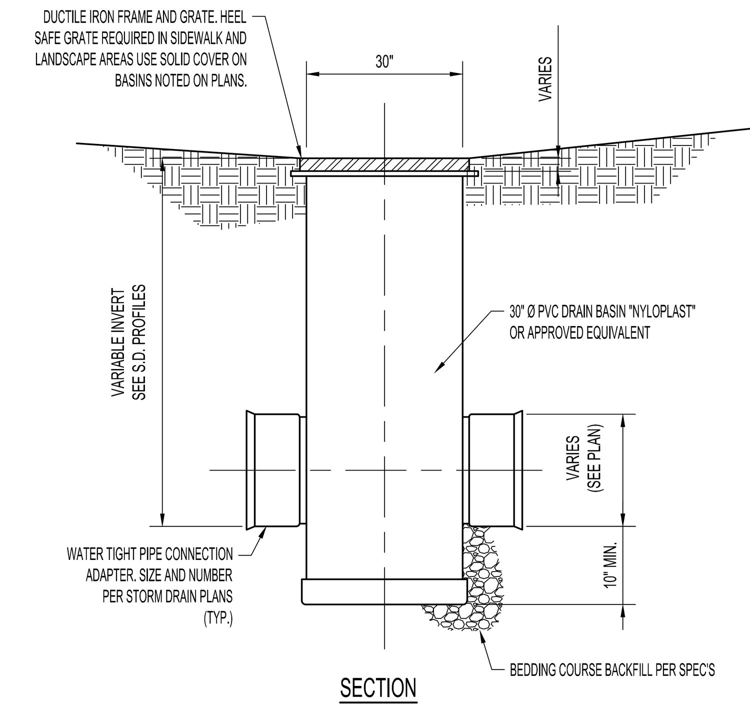
12" AREA DRAIN (ADS) (A)
N.T.S.



ADAPTER SIZE	24" BASIN MIN. HORIZ. ANGLE BETWEEN ADAPTERS
6"-6"	33°
6"-8"	39°
6"-12"	48°
6"-15"	56°
6"-18"	63°
6"-24	77°
8"-8"	44°
8"-12"	52°
8"-15"	60°
8"-18"	70°
8"-24"	82°
12"-12"	64°
12"-15"	69°
12"-18"	78°
12"-24"	92°
15"-15"	77°
15"-18"	84°
15"-24"	98°
18"-18"	90°
18"-24"	108°
24"-24"	150°

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

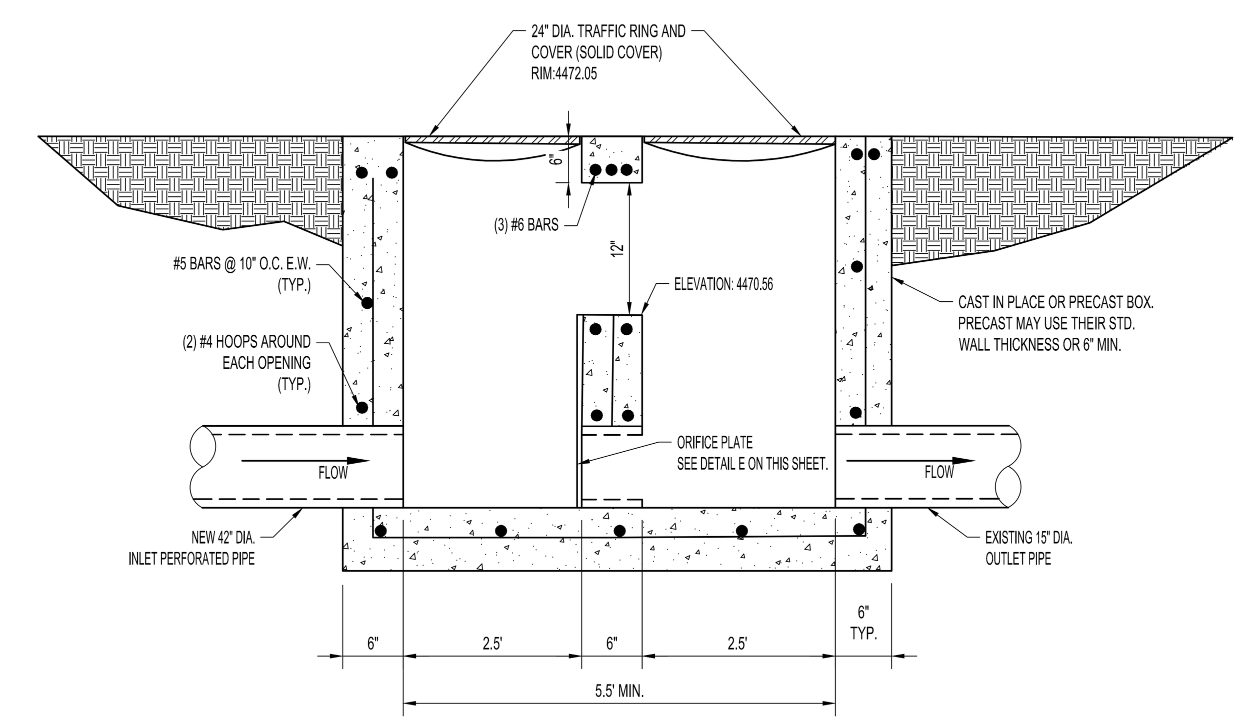
24" AREA DRAIN (AD) (B)
N.T.S.



ADAPTER SIZE	30" BASIN MIN. HORIZ. ANGLE BETWEEN ADAPTERS
6"-6"	30°
6"-8"	34°
6"-12"	45°
6"-15"	48°
6"-18"	55°
6"-24"	66°
6"-30"	75°
8"-8"	35°
8"-12"	48°
8"-15"	55°
8"-18"	60°
8"-24"	70°
8"-30"	80°
12"-12"	56°
12"-15"	60°
12"-18"	68°
12"-24"	80°
12"-30"	90°
15"-15"	69°
15"-18"	75°
15"-24"	85°
15"-30"	96°
18"-18"	78°
18"-24"	88°
18"-30"	100°
24"-24"	90°
24"-30"	115°
30"-30"	150°

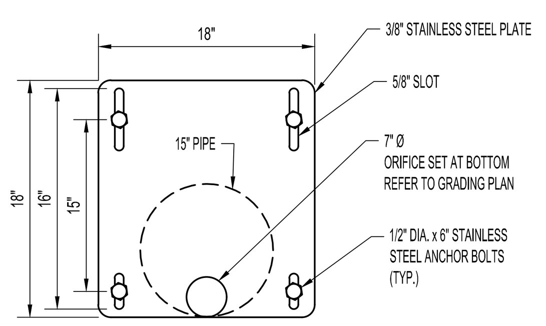
NOTES:
1. USE H-20 GRATES AND FRAMES FOR COVERS IN PAVED AREAS. USE H-10 GRATES AND FRAMES FOR COVERS IN LANDSCAPE AREAS. DEPTH OF GRATE PER MANUFACTURER'S STANDARDS.
2. CONSTRUCT BASINS PER MANUFACTURER'S REQUIREMENTS.
3. USE LOCKING GRATES ON ALL CATCH BASINS USED IN DETENTION BASIN AREAS.
4. CONCRETE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

30" CATCH BASIN (CB) (C)
N.T.S.



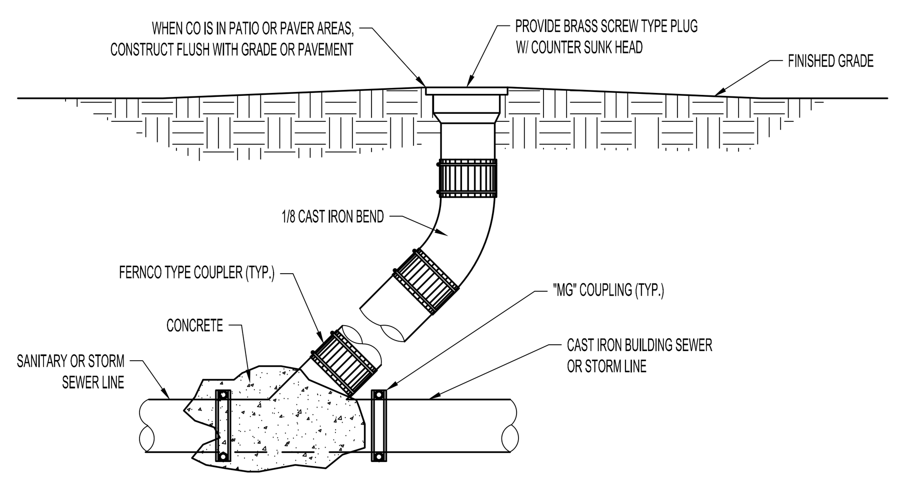
NOTES:
1. BOX TO BE 5.5' X 4' I.D. MINIMUM.

OVERFLOW BOX (D)
N.T.S.



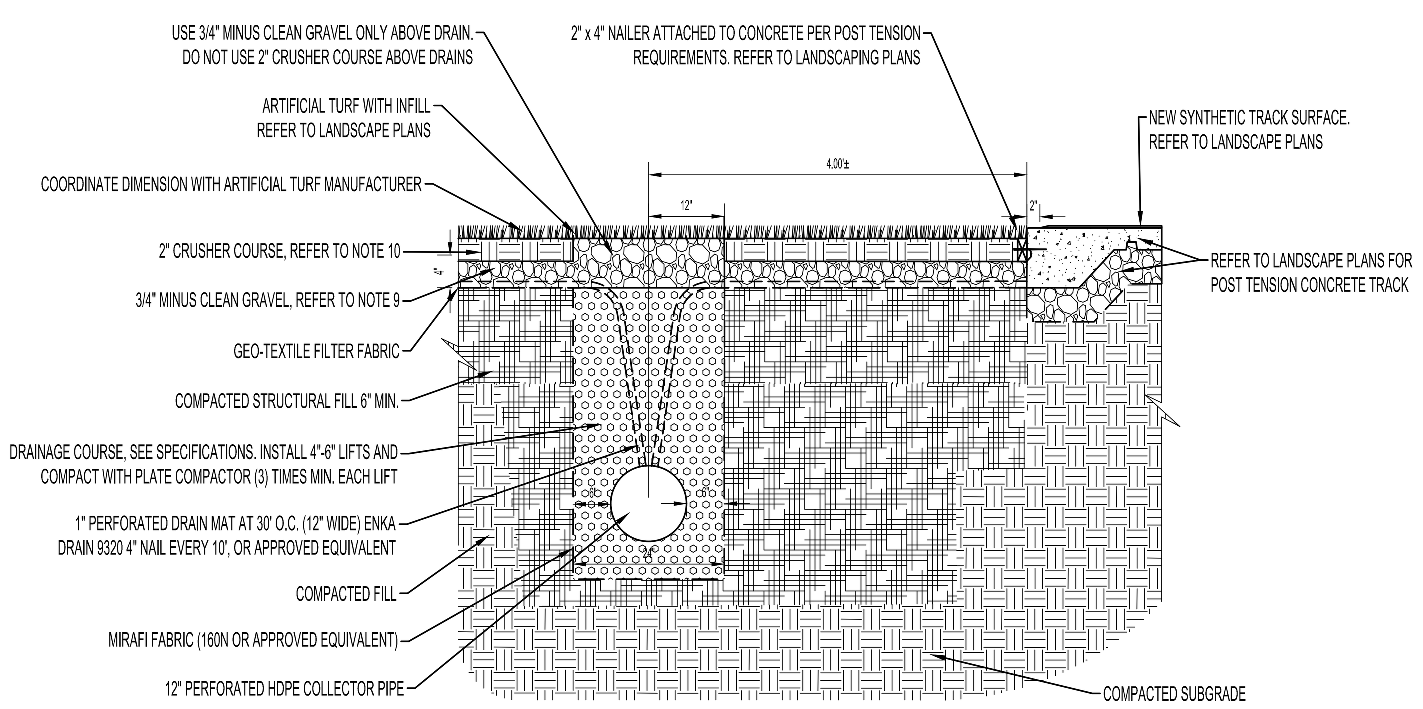
NOTES:
1. LENGTH OF THE PLATE MAY NEED TO BE ENLARGED TO COVER PIPE ON ANGLES, FIELD VERIFY MEASUREMENTS OF THE HEIGHT OF THE PLATE BEFORE FABRICATION.
2. DIMENSIONS ARE FOR A 12" PIPE. REDUCE OR ADD TO THE LENGTH AND WIDTH OF PLATE FOR OTHER PIPE DIA.'S.

ORIFICE PLATE DETAIL (E)
N.T.S.



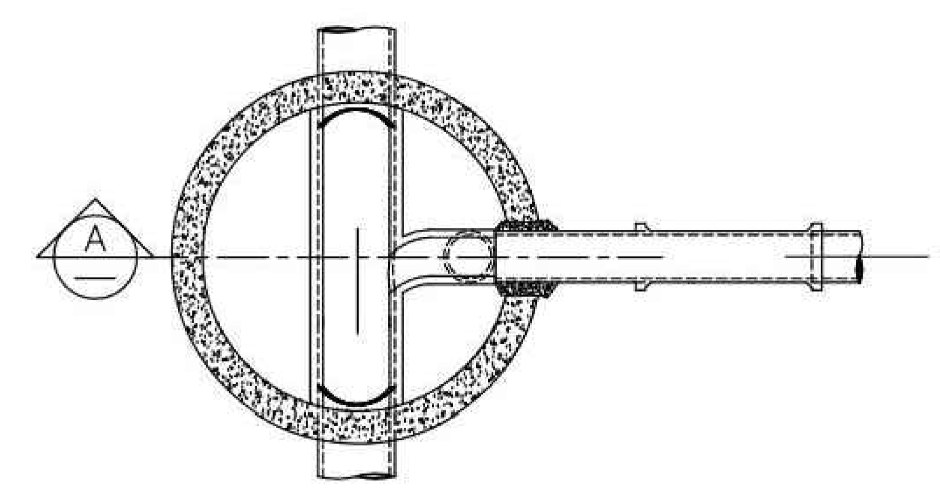
NOTES:
1. USE DOUBLE CLEAN OUT FOR SEWER CONNECTION ADJACENT TO BUILDING. REFER TO PLUMBING PLAN FOR DETAIL OF DOUBLE CLEAN OUT.

STORM/SANITARY SEWER CLEAN OUT (F)
N.T.S.



NOTES:
1. FINISHED GRADE IS MEASURED TO THE TOP OF THE INFILL, NOT THE GRASS FIBERS.
2. INFILL DEPTHS VARY BY MANUFACTURER, COORDINATE WITH SELECTED MANUFACTURER.
3. ELEVATION OF SUBGRADE SHALL BE DEPENDING ON MANUFACTURER OF ARTIFICIAL TURF.
4. COMPACT ALL GRANULAR MATERIAL UNDER TURF. REFER TO COARSE MATERIAL IN EARTHWORK SPEC'S.
5. CRUSHER COARSE AND 3/4" MIN GRAVEL TO MEET MANUFACTURER'S STD. REQUIREMENTS.
6. ALL GRANULAR MATERIAL TO BE LASER CONTROLLED FOR SLOPE AND DEPTH.
7. TOLERANCES:
   SUBBASE DRAINAGE COURSE: COMPACTED LAYER OF ZERO (0) INCHES AND MINUS ONE-HALF (1/2) INCH.
   BASE DRAINAGE COURSE: COMPACTED LAYER OF PLUS ONE-QUARTER (1/4) INCH; MINUS ZERO (0) INCH, AND SHALL NOT DEVIATE MORE THAN ONE-QUARTER (1/4) INCH IN TEN (10) FEET IN ANY DIRECTION.
8. GRADE VERIFICATION: INSPECT AND SURVEY FINISHED GRADE OF AGGREGATE DRAINAGE BASE COURSE TO VERIFY GRADE AND ELEVATION. SURVEY SHALL BE PERFORMED AT 50 FOOT CENTERS ACROSS ENTIRE FIELD SURFACE.
9. 100% PASSING 3/4", 0-10% PASSING #4, 0% PASSING #16 SIEVE.
10. 85-100% PASSING 3/8", 0-10% PASSING #8, 0-1% PASSING #100 SIEVE.

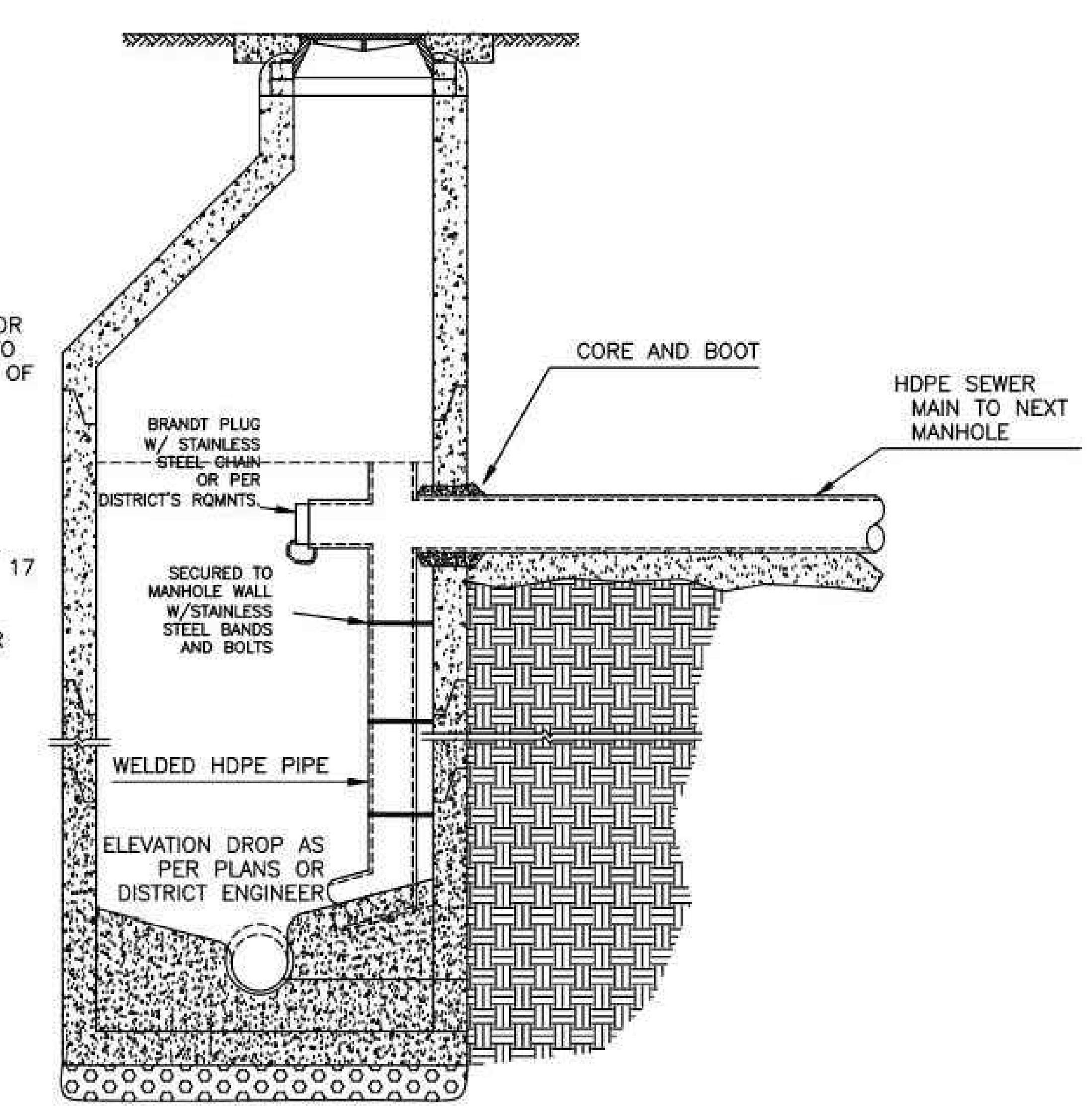
FOOTBALL FIELD DRAINAGE SYSTEM (FCB) (G)
N.T.S.



PLAN VIEW

NOTES:

1. DROP MANHOLES REQUIRED FOR ANY LINE ENTERING MANHOLE TWO FEET OR MORE ABOVE FLOWLINE OF MAIN LINE.
2. MANHOLES TO CONFORM WITH STANDARD MANHOLE DETAILS (STANDARD No. SS-2A).
3. ALL PIPE AND FITTINGS SHALL CONFORM TO ASTM PE3408 SDR 17 HDPE SEWER PIPE.
4. CONE SHALL BE ROTATED PER INSPECTOR'S RECOMMENDATIONS.
5. DROP MANHOLES ARE TO BE USED ONLY WHEN ACCEPTED BY THE DISTRICT.



SECTION VIEW "A"

SOUTH VALLEY SEWER DISTRICT
INSIDE DROP MANHOLE
DATE: NOV 2022
DRAWING NAME: SS-2E

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
LICENSED PROFESSIONAL ENGINEER
STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION
MERIDIAN ENGINEERING, INC.

OWNER INFORMATION
CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
BP-3
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION
DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS
BID SET
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
UTILITY DETAILS

SHEET NUMBER
C101

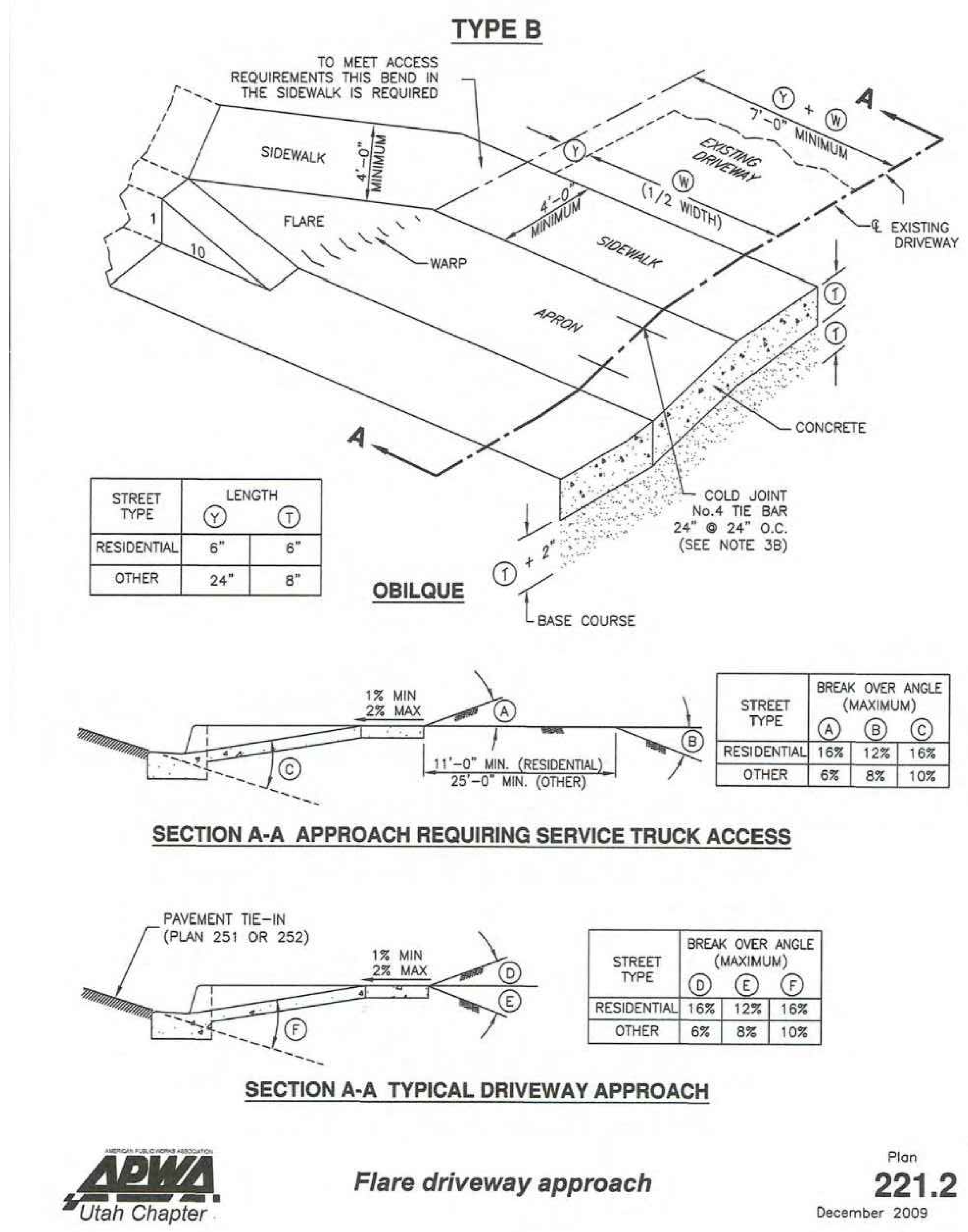
Flare driveway approach

1. **GENERAL**
   A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion.
   B. Field Changes to Slope Requirements:
      1) Grades may have a 6 percent change in slope over a 11 feet wheel base run for both crest or sag vertical curves.
      2) Where heavy truck use and fire truck access applies, or to improve design speed, design grades should be cut in half.
      3) Specific uses or site conditions may require profile design submittal for review and acceptance.
   C. Additional requirements are specified in APWA Section 32 16 13..

2. **PRODUCTS**
   A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
   B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73..
   C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.
   D. Reinforcement: Galvanized or epoxy coated, deformed, 60 ksi yield grade steel, ASTM A615.
   E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

3. **EXECUTION**
   A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
   B. Reinforcement: Not required if driveway apron is constructed without a cold joint.
   C. Concrete Placement: APWA Section 03 30 10.
      1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface.
      2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Maximum length to width ratio for non-square panels is 1.5 to 1. Maximum panel length (in feet) is 1.5 times the slab thickness (in inches).
      3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
   D. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

221.2



STREET TYPE	LENGTH Y	T
RESIDENTIAL	6"	6"
OTHER	24"	8"

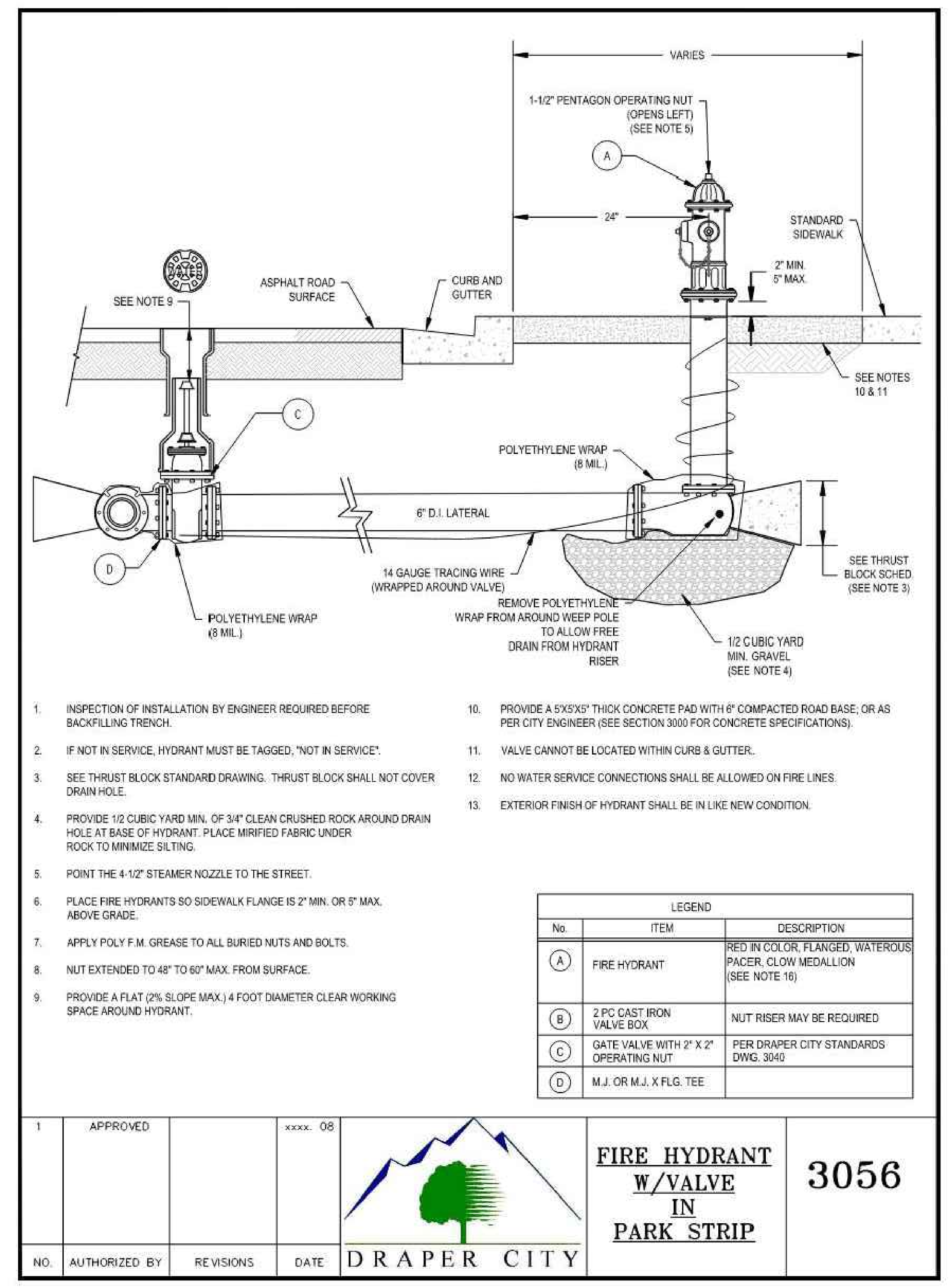
STREET TYPE	BREAK OVER ANGLE (MAXIMUM) A	B	C
RESIDENTIAL	16%	12%	16%
OTHER	6%	8%	10%

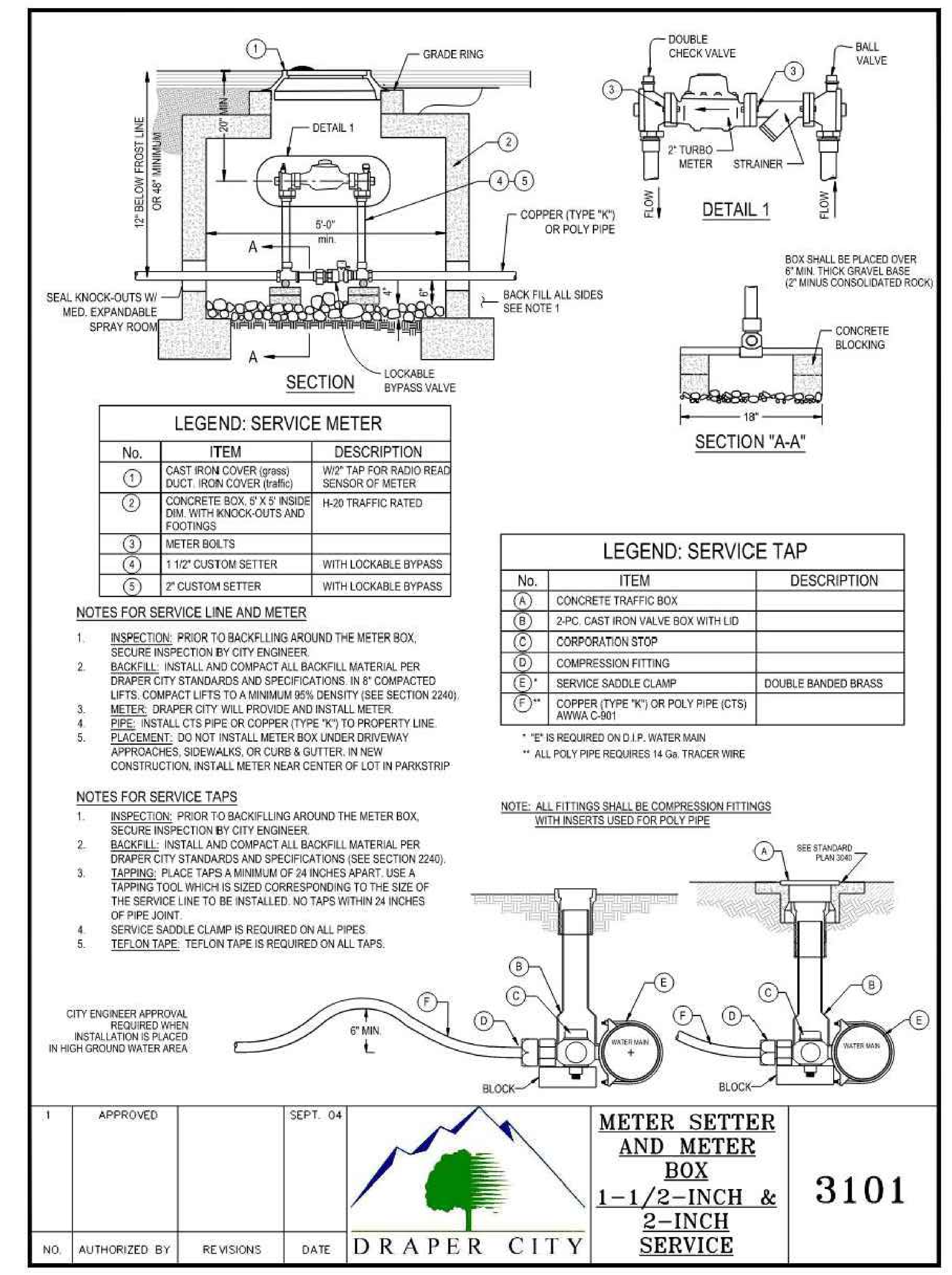
STREET TYPE	BREAK OVER ANGLE (MAXIMUM) D	E	F
RESIDENTIAL	16%	12%	16%
OTHER	6%	8%	10%

APWA Utah Chapter

Flare driveway approach

Plan 221.2
December 2009





CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8025535

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD BP-3
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION
DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
APWA AND CITY DETAILS

SHEET NUMBER
C102

Blue Stakes of UTAH 811

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt
5/16/2024 10:06:28 AM

PROJECT INFORMATION

ENGINEERED PRODUCT MANAGER:	BILL ALLER 435-400-0142 WILLIAM.ALLER@ADSPIPE.COM
ADS SALES REP:	RYAN HORSLEY 801-391-7793 RYAN.HORSLEY@ADSPIPE.COM
PROJECT NO:	S431212

Advanced Drainage Systems, Inc.

CCHS FIELD HOUSE AND SOCCER FIELD

DRAPER, UT

ADS RETENTION/DETENTION PIPE SYSTEM SPECIFICATION

SCOPE
THIS SPECIFICATION DESCRIBES ADS RETENTION/DETENTION PIPE SYSTEMS FOR USE IN NON-PRESSURE GRAVITY-FLOW STORM WATER COLLECTION SYSTEMS UTILIZING A CONTINUOUS OUTFALL STRUCTURE.

PIPE REQUIREMENTS
ADS RETENTION/DETENTION SYSTEMS MAY UTILIZE ANY OF THE VARIOUS PIPE PRODUCTS BELOW:
- N-12® PIPE (PER AASHTO) SHALL MEET AASHTO M 294, TYPE S OR ASTM F2306
- N-12® PIPE (PER ASTM F2648) SHALL MEET ASTM F2648
- N-12® MEGA GREEN™ SHALL MEET ASTM F2648

ALL PRODUCTS SHALL HAVE A SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS. ALL PIPE PRODUCTS ARE AVAILABLE AS PERFORATED OR NON-PERFORATED. PRODUCT-SPECIFIC PIPE SPECIFICATIONS ARE AVAILABLE IN THE DRAINAGE HANDBOOK SECTION 1 "SPECIFICATIONS".

JOINT PERFORMANCE
INTEGRATED BELL (IB):
INTEGRATED BELL (IB) PIPE, SOIL-TIGHT OR WATER-TIGHT, SHALL BE JOINED USING A BELL AND SPIGOT JOINT. THE BELL AND SPIGOT JOINT SHALL MEET OR EXCEED THE SOIL-TIGHT REQUIREMENTS OF ASTM F2306 AND GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477.

PLAIN END:
PLAIN END PIPE AND FITTINGS CONNECTIONS SHALL BE JOINED WITH COUPLING BANDS COVERING AT LEAST TWO FULL CORRUGATIONS ON EACH END OF THE PIPE. GASKETED SOIL-TIGHT COUPLING BAND CONNECTIONS SHALL INCORPORATE A CLOSED-CELL SYNTHETIC EXPANDED RUBBER GASKET MEETING THE REQUIREMENTS OF ASTM D1056 GRADE 2A2. GASKETS, WHEN APPLICABLE, SHALL BE INSTALLED BY THE PIPE MANUFACTURER.

FITTINGS
FITTINGS SHALL CONFORM TO ASTM F2306 AND MEET JOINT PERFORMANCE INDICATED ABOVE FOR FITTINGS CONNECTIONS. CUSTOM FITTINGS ARE AVAILABLE AND MAY REQUIRE SPECIAL INSTALLATION CRITERION.

INSTALLATION
INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321 AND ADS RECOMMENDED INSTALLATION GUIDELINES, WITH THE EXCEPTION THAT MINIMUM COVER IN NON-TRAFFIC AREAS FOR 12-60 INCH (300-1500 mm) DIAMETERS SHALL BE 1 FT (0.3 m). MINIMUM COVER IN TRAFFICKED AREAS FOR 12-36 INCH (300-900 mm) DIAMETERS SHALL BE 1 FT (0.3 m) AND FOR 42-60 INCH (1050-1500 mm) DIAMETERS, THE MINIMUM COVER SHALL BE 2 FT (0.6 m). BACKFILL SHALL CONSIST OF CLASS I (COMPACTED) OR CLASS II (MINIMUM 95% SPD) MATERIAL, WITH THE EXCEPTION THAT 60 INCH (1500 mm) SYSTEMS SHALL USE CLASS I MATERIAL ONLY. MINIMUM COVER HEIGHTS DO NOT ACCOUNT FOR PIPE BUOYANCY. REFER TO ADS TECHNICAL NOTE 5.05 "PIPE FLOTATION" FOR BUOYANCY DESIGN CONSIDERATIONS. MAXIMUM COVER OVER SYSTEM USING STANDARD BACKFILL IS 8 FT (2.4 m); CONTACT A REPRESENTATIVE WHEN MAXIMUM FILL HEIGHT MAY BE EXCEEDED. ADDITIONAL INSTALLATION REQUIREMENTS ARE PROVIDED IN THE DRAINAGE HANDBOOK SECTION 6 "RETENTION/DETENTION".

ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES:

1) ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS, INLETS AND OUTLETS, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO RELEASING FOR FABRICATION.
2) IN SITUATIONS WHERE A FINE-GRAINED BACKFILL MATERIAL IS USED ADJACENT TO THE PIPE SYSTEM, AND ESPECIALLY INVOLVING GROUND WATER CONDITIONS, CONSIDERATION SHOULD BE GIVEN TO THE USE OF GASKETED PIPE JOINTS. AT THE VERY LEAST THE PIPE JOINTS SHOULD BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FINES INTO THE PIPE SYSTEM.
3) CONSIDERATION FOR CONSTRUCTION EQUIPMENT LOADS MUST BE TAKEN INTO ACCOUNT.
4) ALL PIPE DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.
5) ALL RISERS TO BE FIELD EXTENDED OR TRIMMED TO FINAL GRADE.

THE UNDERSIGNED HEREBY APPROVES THE ATTACHED PAGES.

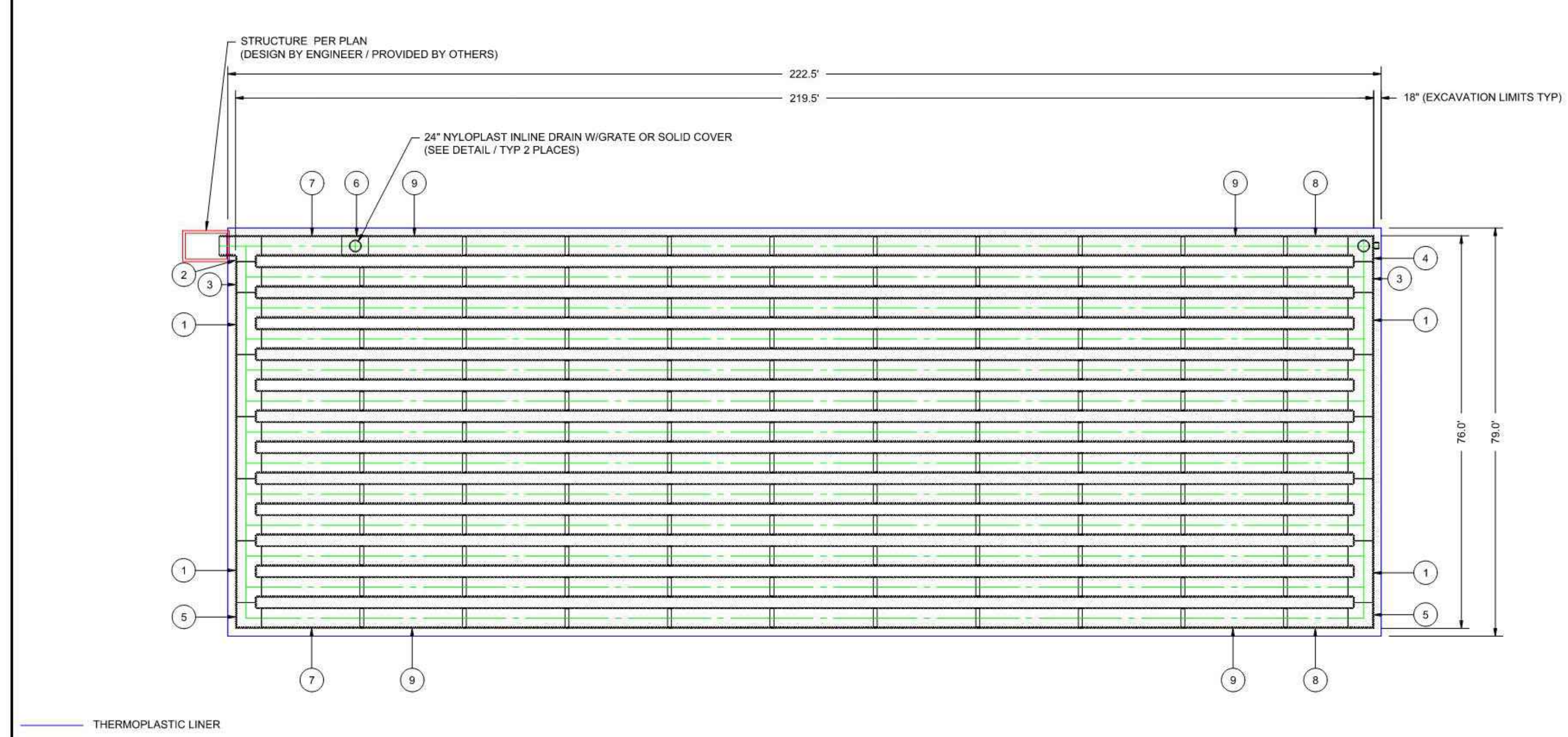
CUSTOMER DATE

BILL OF MATERIALS

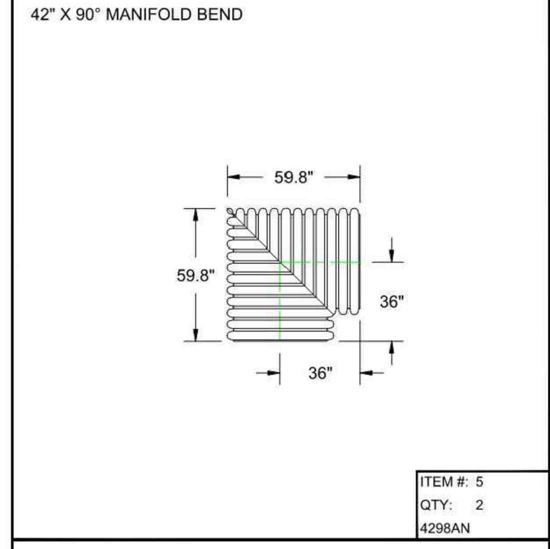
*THE COMPONENTS AND QUANTITIES LISTED HEREIN ARE NOT INTENDED TO BE A COMPREHENSIVE MATERIAL LIST. EXTRA COMPONENTS, NOT LISTED HEREIN, MAY BE NECESSARY TO COMPLETE THE CONSTRUCTION OF THE SYSTEM.

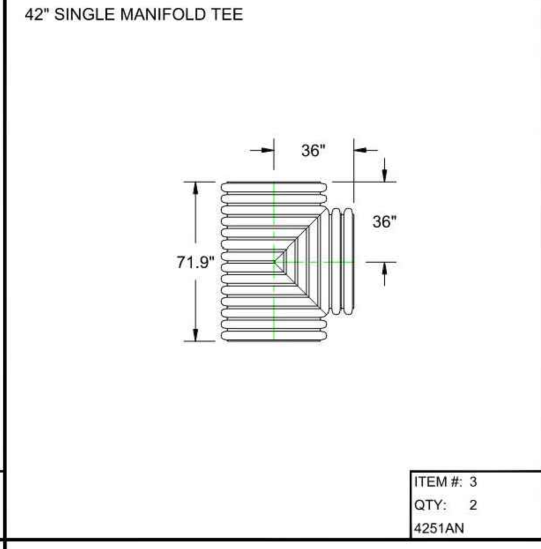
ITEM	QTY.	PART #	DESCRIPTION	MATERIAL	VENDOR	NOTE
1	10	4252AN	42" DOUBLE MANIFOLD TEE	HDPE	ADS	SEE DETAIL
2	1	MANIFOLD-1	42" SINGLE MANIFOLD TEE	HDPE	ADS	SEE DETAIL
3	2	4251AN	42" SINGLE MANIFOLD TEE	HDPE	ADS	SEE DETAIL
4	1	4298ANC-1	42" X 90° MANIFOLD BEND	HDPE	ADS	SEE DETAIL
4-1	1	2403AN	24" RISER	HDPE	ADS	COMPONENT
4-2	1	1206AN	12" STUB	HDPE	ADS	COMPONENT
5	2	4298AN	42" X 90° MANIFOLD BEND	HDPE	ADS	SEE DETAIL
6	1	4267AN	42" X 24" REDUCING TEE	HDPE	ADS	SEE DETAIL
7	13	STICK-1	42" PIPE STICK : PERF	HDPE	ADS	FIELD CUT
8	13	STICK-2	42" PIPE STICK : PERF	HDPE	ADS	FIELD CUT
9	117	4261-0020IB	42" PIPE STICK : PERF	HDPE	ADS	WTIB
	42	4265AA	42" SPLIT COUPLER	HDPE	ADS	NOT SHOWN
	2	2724AG	24" NYLOPLAST INLINE DRAIN	AS SPECIFIED	ADS	SEE DETAIL
	1	TBD BY ENGINEER	THERMOPLASTIC LINER	AS SPECIFIED	OTHERS	AS NEEDED

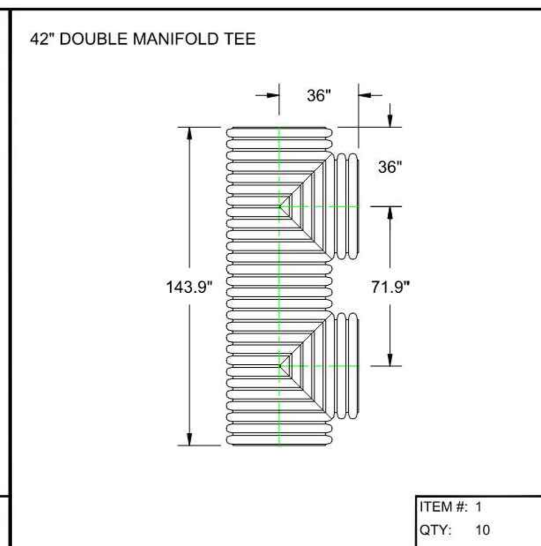
NOTES
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE PIPE COVER REQUIREMENTS ARE MET.
- STUB SIZES AND INVERTS TO BE VERIFIED BY THE SITE DESIGN ENGINEER PRIOR TO FABRICATION.
- ADS RISERS ARE FABRICATED 36" (900 mm) FROM TOP OF PIPE TO TOP OF RISER DUE TO SHIPPING LIMITATIONS. ADDITIONAL PIPE AND COUPLERS CAN BE USED TO EXTEND THE RISERS TO GRADE.

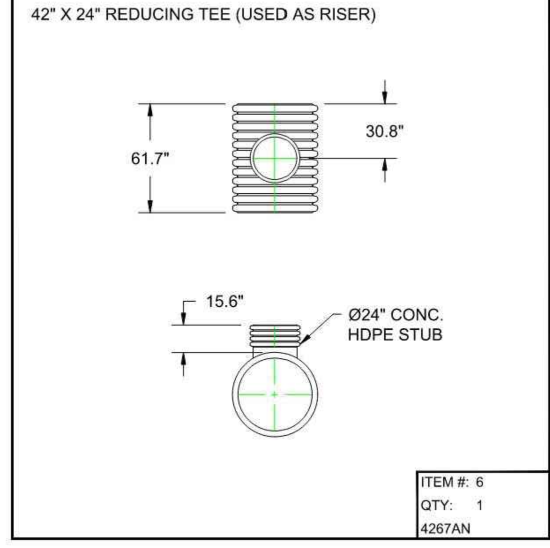


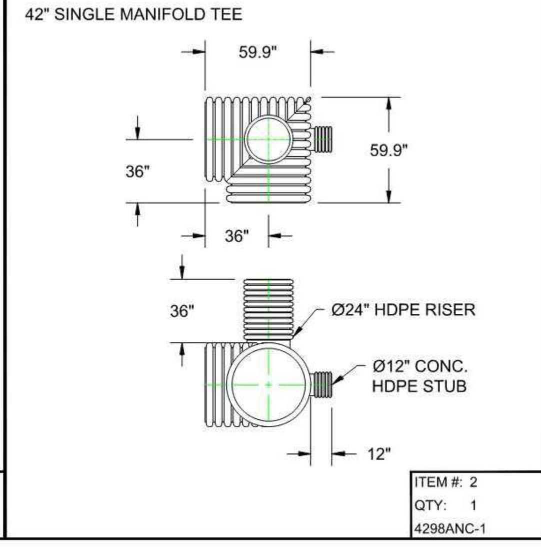
CCHS FIELD HOUSE AND SOCCER FIELD
DRAPER, UT
LandMax
Stormwater Management System
4640 TRUEMAN BLVD
HILLIARD, OH 43026
2 SHEET OF 5

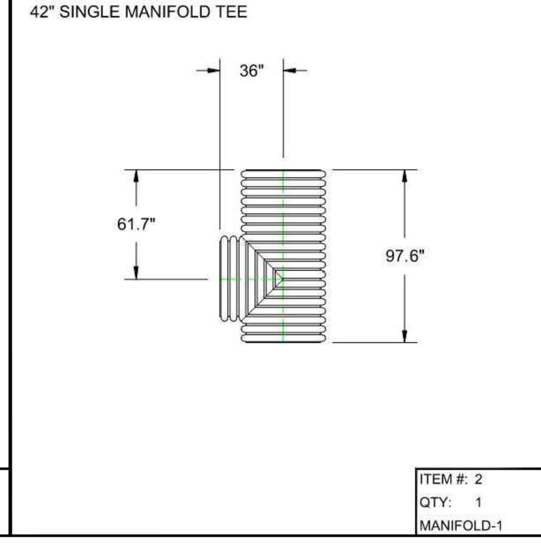




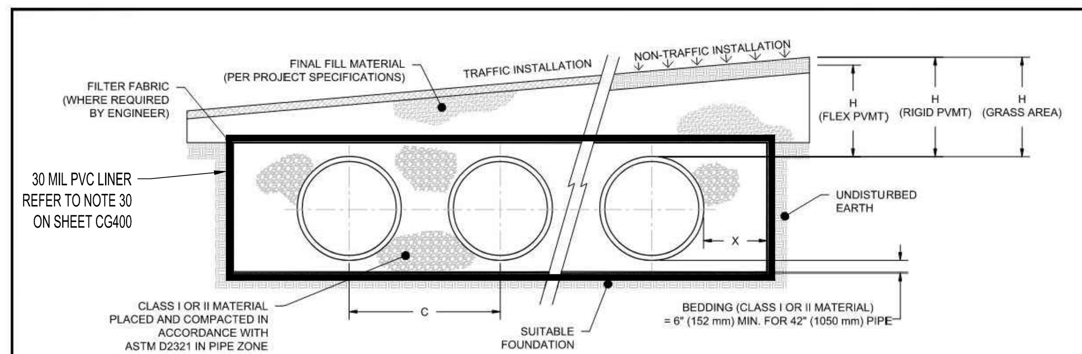








3 SHEET OF 5

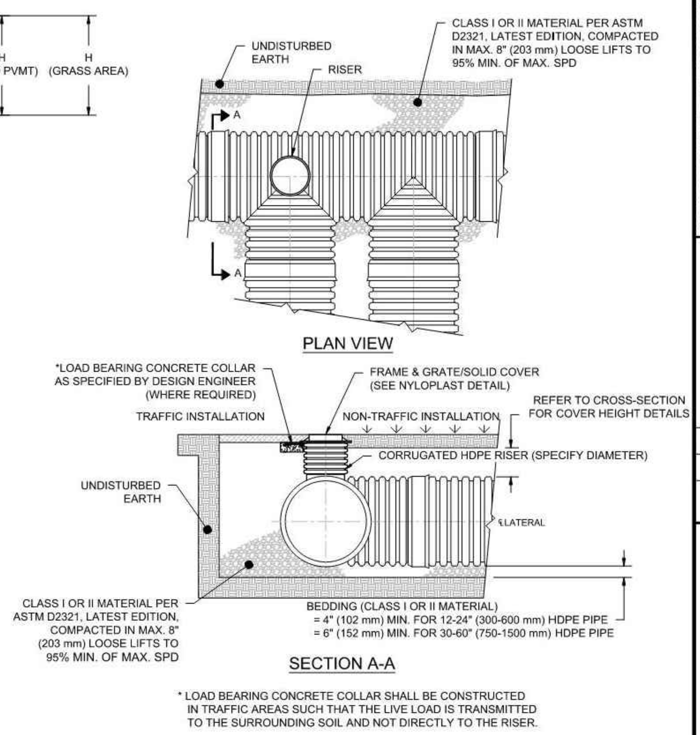


NOMINAL DIAMETER	NOMINAL O.D.	STANDARD SPACING "C"	TYPICAL SIDE WALL "X"	MIN. H (NON-TRAFFIC)	MIN. H (TRAFFIC)	MAX. H*
42" (1050 mm)	48" (1219 mm)	72" (1829 mm)	18" (457 mm)	12" (305 mm)	24" (610 mm)	8' (2.4 m)

* MAXIMUM FILL HEIGHTS OVER MANIFOLD FITTINGS. CONTACT MANUFACTURER'S REPRESENTATIVE FOR INSTALLATION CONSIDERATIONS WHEN COVER EXCEEDS 8 FT (2.4 m).

NOTES:

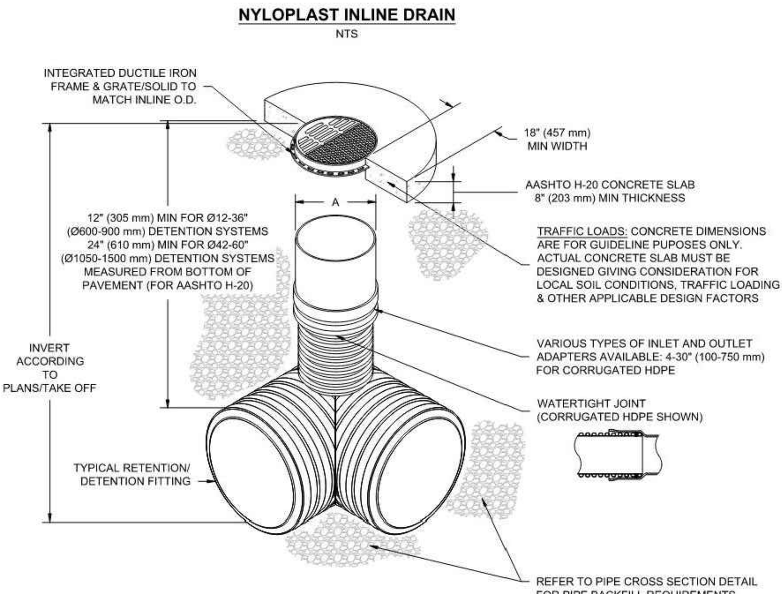
1. ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
2. ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
3. MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
4. FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
5. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE. THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
6. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (102 mm) FOR 4"-24" (100-600 mm); 6" (152 mm) FOR 30-60" (750-1500 mm).
7. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" (152 mm) ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
8. COVER: MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (305 mm) FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" (305 mm) UP TO 36" (900 mm) DIAMETER PIPE AND 24" (610 mm) OF COVER FOR 42-60" (1050-1500 mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. MAXIMUM FILL HEIGHT LIMITED TO 8 FT (2.4 m) OVER FITTINGS FOR STANDARD INSTALLATIONS. CONTACT A SALES REPRESENTATIVE WHEN MAXIMUM FILL HEIGHTS EXCEED 8 FT (2.4 m) FOR INSTALLATION CONSIDERATIONS.



4 SHEET OF 5

NYLOPLAST INLINE DRAIN

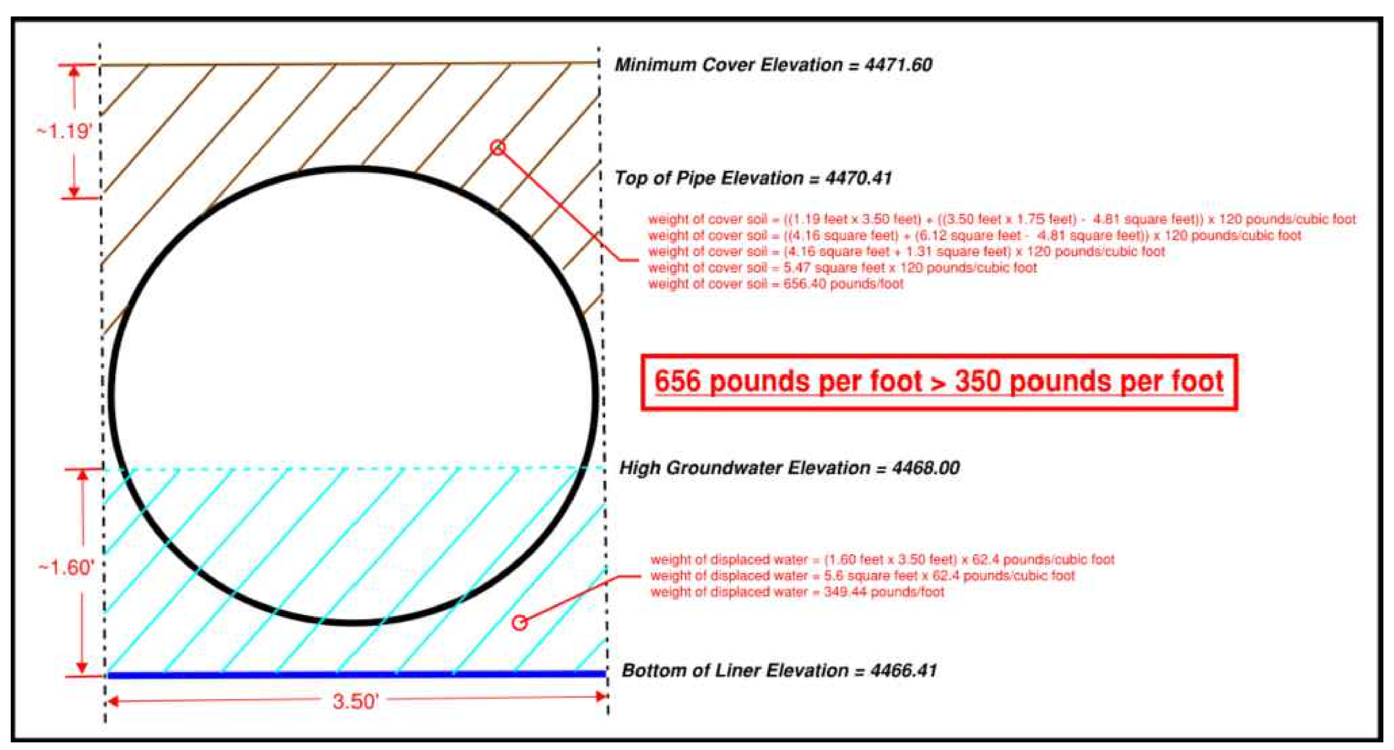
NTS



NOTES
1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

A	PART #	GRATE/SOLID COVER OPTIONS		
8" (200 mm)	2708AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2710AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2712AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2715AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2718AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2724AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2730AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

Nyloplast®
770-932-2443 | WWW.NYLOPLAST-US.COM
4640 TRUEMAN BLVD
HILLIARD, OH 43026
5 SHEET OF 5



CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STATE OF UTAH LICENSED ENGINEER
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD BP-3
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

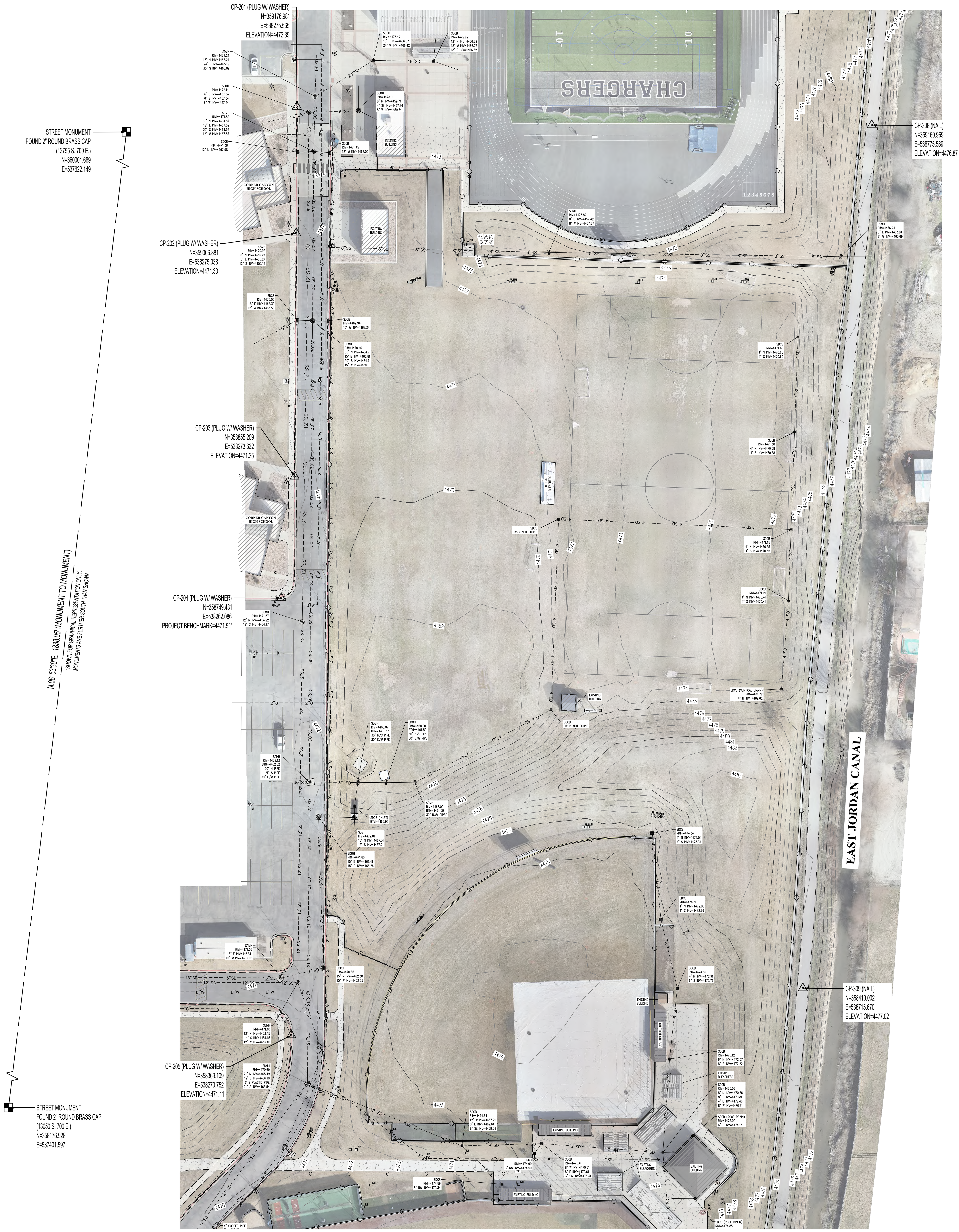
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
ADS DETAILS

SHEET NUMBER
C103



SURVEYOR'S CERTIFICATE

I, TRAVIS R. WILLIAMS, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, HOLDING CERTIFICATE NUMBER 13941945, AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH AND STATE THAT INFORMATION SHOWN ON THIS PLAT HAS BEEN OBTAINED THROUGH SURFACE SURVEYS OF STRUCTURES, UTILITIES AND IMPROVEMENTS VISIBLE TO THE SURVEYOR AT THE TIME OF THE SURVEY. UNDERGROUND STRUCTURES, UTILITIES AND IMPROVEMENTS HAVE NOT BEEN SURVEYED. UNDERGROUND FEATURES, INCLUDING ELEVATIONS, SIZES, TYPES, CAPACITIES AND DIMENSIONS ARE SHOWN GRAPHICALLY AS OBTAINED THROUGH MUNICIPAL OR GOVERNING ENTITY RECORDS AND MAPS. INFORMATION AS REPRESENTED HEREON DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED.

PROFESSIONAL LAND SURVEYOR
PLS NO.
13941945
09/03/2024
TRAVIS R.
WILLIAMS
STATE OF UTAH

TRAVIS R. WILLIAMS
PLS NO. 13941945

SURVEY NOTES:

1. THIS SURVEY AND CONTROL POINTS SHOWN WERE ESTABLISHED BY MERIDIAN ENGINEERING, INC. IN MARCH OF 2024. ALL CONTROL POINTS SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES TO ENSURE THEY ARE STILL INSIDE AN ACCEPTABLE MEASUREMENT TOLERANCE.
2. CONTROL POINT ELEVATIONS SHOWN WERE DERIVED FROM THE PROJECT BENCHMARK USING DIFFERENTIAL LEVELING.
3. THE LOCATIONS OF UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS AS SHOWN HEREON ARE BASED ON ABOVE GROUND APPURTENANCES VISIBLE AT THE TIME OF THE SURVEY TO THE SURVEYOR. EXACT LOCATIONS OF UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS MAY EXIST.
4. ELEVATIONS, SIZES, TYPES AND CONDITIONS OF UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS AS SHOWN ON THIS PLAT ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED WITH THE APPROPRIATE AGENCY OR CONTROLLING PARTY BEFORE DESIGN OR CONSTRUCTION.
5. ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS, FACILITIES, DEPOSITS OR DISPOSALS THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY.
6. UNLESS OTHERWISE SHOWN, NO ATTEMPT HAS BEEN MADE AS PART OF THIS PLAT AND THE SURVEY ON WHICH IT IS BASED TO DISCLOSE THE LOCATIONS, SIZE, TYPE OR CONDITION OF ANY TREE, HEDGE, GROUND COVER, LAWN, PLANTINGS OR ANY OTHER LANDSCAPING OR SPRINKLER HEADS, PIPES OR ANY APPURTENANT PARTS THEREOF. ADDITIONAL LANDSCAPING OR IRRIGATION FACILITIES MAY EXIST.
7. CONTRACTOR MUST OBTAIN A PERMIT BEFORE BEGINNING WORK WITHIN THIRTY FEET OF AN ESTABLISHED COUNTY SURVEY MONUMENT, PER UTAH STATE CODE 17-23-14 SUBSECTIONS 2 AND 4.

LEGEND

Symbol	Description
BP — BP	EXISTING BURIED POWER LINE
OP — OP	EXISTING OVERHEAD POWER LINE
SD — SD	EXISTING STORM DRAIN LINE
SS — SS	EXISTING SEWER LINE
W — W	EXISTING WATER LINE
BT — BT	EXISTING BURIED TELEPHONE LINE
CTV — CTV	EXISTING CABLE LINE
FO — FO	EXISTING FIBER OPTIC LINE
G — G	EXISTING GAS LINE
IRR — IRR	EXISTING IRRIGATION LINE
	EXISTING CHAIN LINK FENCE
	EXISTING CURB & GUTTER
XXXX'	EXISTING MAJOR CONTOUR LINE
XXXX'	EXISTING MINOR CONTOUR LINE
	EXISTING CONCRETE
	EXISTING BUILDING
EJB	EXISTING ELECTRICAL BOX
JBI	EXISTING IRRIGATION BOX
TP	EXISTING TELEPHONE PEDESTAL
CTB	EXISTING CABLE TV BOX
SS	EXISTING SEWER MANHOLE
SD	EXISTING STORM DRAIN MANHOLE
W	EXISTING WATER MANHOLE
	EXISTING CLEAN OUT
	EXISTING CATCH BASIN
WM	EXISTING WATER METER
ODL	EXISTING LIGHT POLE
LP	EXISTING LIGHT POLE
	EXISTING GATE POST
	EXISTING SIGN
	EXISTING GAS VALVE
	EXISTING BOLLARD
ET	EXISTING ELECTRICAL TRANSFORMER
WV	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	CONTROL MONUMENT
	FOUND STREET MONUMENT

N
MERIDIAN ENGINEERING, INC.
0 40 80
SCALE 1"=40'

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

NOT FOR CONSTRUCTION

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 3, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS
DESIGN DEVELOPMENT REVIEW PACKAGE

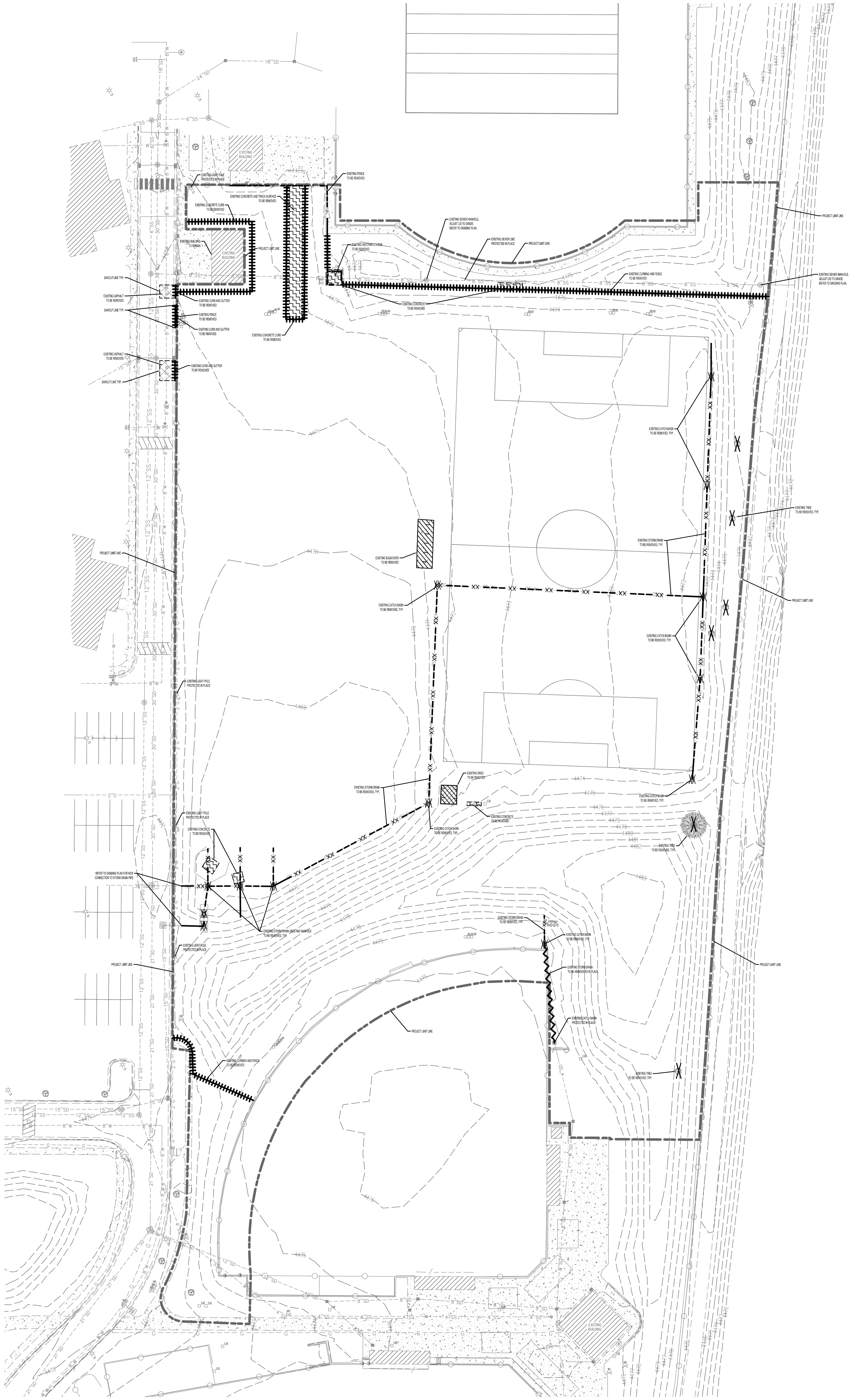
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

EXISTING SURVEY AND TOPOGRAPHY

Blue Stakes of UTAH 811
bluestakes.org

SHEET NUMBER
C200



UTILITY DEMOLITION NOTES

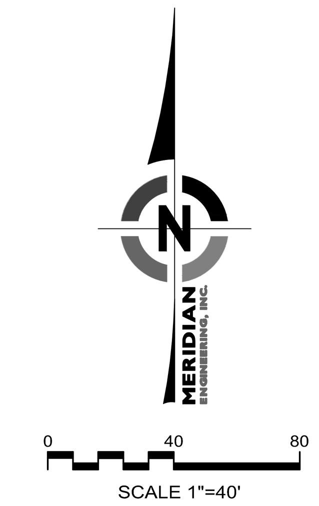
1. REMOVE UTILITIES ONLY AFTER NEW TEMPORARY UTILITY LINES HAVE BEEN REROUTED AND CONNECTED.
2. TEMPORARY PUMPING OF SANITARY SEWER WILL BE REQUIRED AS PORTIONS OF THE EXISTING PIPING ARE REMOVED AND REPLACED. BACKUP PUMPS AND POWER WILL BE REQUIRED WHERE PUMPING IS NECESSARY TO MAINTAIN SERVICE TO THE BUILDING. TEMPORARY BYPASS PIPING OR PUMPING IS REQUIRED UNTIL THE NEW PIPING IS OPERATIONAL.
3. REFER TO THE ELECTRICAL OR MECHANICAL PLANS FOR SITE DEMOLITION OF EXISTING TRANSFORMERS, ELECTRICAL LINES, EXISTING LIGHTING, ELECTRICAL EQUIPMENT, HEATING VAULTS, HEATING LINES, GAS LINES, OR OTHER SITE DEMOLITION INSIDE OR OUTSIDE THE PROJECT LIMITS.
4. ALL EXISTING UTILITIES OR SURFACE IMPROVEMENTS SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION, UNLESS NOTED OTHERWISE. ANY DAMAGE TO THE UTILITIES OR SURFACE IMPROVEMENTS SHALL BE REPAIRED WITH NEW MATERIALS AT NO ADDITIONAL COST TO THE OWNER. ALL INTERRUPTIONS OF UTILITIES SERVICE WILL BE COORDINATED WITH THE OWNER AT LEAST ONE WEEK IN ADVANCE. NIGHTTIME INTERRUPTIONS OF A SERVICE MAY BE NECESSARY TO SUCCESSFULLY COMPLETE NEW UTILITY CONNECTIONS.
5. UTILITIES ABANDONED IN PLACE UNDER PAVEMENT OR CONCRETE IMPROVEMENTS SHALL HAVE SAND BLOWN INTO THE ABANDONED PIPING. ALL OPEN ENDS OF ABANDONED PIPING SHALL BE PLUGGED AND CAPPED. REPAIR EXISTING MANHOLES AND INLETS WHERE PIPING IS REMOVED AS PART OF THE DEMOLITION. PLUG AND GROUT (EPOXY GROUT) HOLES IN THE EXISTING STRUCTURES. CORE DRILL AND EPOXY GROUT ALL NEW PIPING INTO EXISTING CONCRETE STRUCTURES.
6. BACKFILL ALL EXCAVATIONS FOR UTILITY PIPING OR STRUCTURE REMOVAL (MANHOLES, INLETS, ETC.) WITH STRUCTURAL FILL TO THE ROUGH GRADE ELEVATION SHOWN ON GRADING PLANS.
7. PROVIDE TEMPORARY STORM DRAINAGE PUMPING OR OTHER APPROVED STORM DRAIN DISPOSAL METHOD TO MAINTAIN DRAINAGE TO THE SITE DURING CONSTRUCTION.
8. MAINTAIN UTILITY SERVICE TO THE EXISTING BUILDING AT ALL TIMES UNLESS OTHERWISE COORDINATED.
9. ALL WORK WITHIN STREET ROW SHALL BE PER APWA STANDARD PLANS AND SPECIFICATIONS (2017 EDITION) AND CITY STANDARDS. OBTAIN CITY PERMIT PRIOR TO ANY WORK WITHIN CITY RIGHT OF WAY.
10. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SUBGRADE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN SPEC SECTION WITH UP TO 2' OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OVER EXCAVATED SUBGRADE.
11. NEW UTILITIES SHALL BE INSTALLED AS REQUIRED TO MAINTAIN SERVICE TO EXISTING BUILDINGS. PRIOR TO REMOVAL OF EXISTING UTILITIES COORDINATE SERVICE INTERRUPTION AND REMOVAL OF UTILITIES WITH OWNER.
12. POTHOLE AND FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF ANY NEW UTILITY OR CONNECTION TO EXISTING UTILITIES.
13. PROVIDE TEMPORARY WATER CONNECTION FOR MAINTAINING IRRIGATION OF LANDSCAPE THAT IS TO REMAIN. REFER TO LANDSCAPE PLANS.
14. RAISE/LOWER EXISTING VALVES, M.H., ELECTRICAL AND MECHANICAL VAULT HATCHES, AND UTILITY STRUCTURES WITHIN THE WORK AREA LIMITS TO NEW GRADES SHOWN ON GRADING PLAN.

SITE DEMOLITION PLAN NOTES:

1. COORDINATE ALL UTILITY INFORMATION WITH OWNER. THE COORDINATES SHOWN ON THE PLANS ARE BASED ON SURVEY CONTROL AND TOPOGRAPHIC SURVEY COMPLETED BY MERIDIAN ENGINEERING. REFER TO EXISTING TOPOGRAPHIC PLAN FOR SURVEY CONTROL ON SHEET C200.
2. REFER TO SITE LAYOUT PLANS ON SHEET CS230.
3. SIDEWALK REMOVAL AND REPLACEMENT TO BE AS INDICATED ON THE SITE PLAN AND WILL MATCH EXISTING SIDEWALK WIDTHS.
4. EXCAVATION ADJACENT TO TREES SHALL BE A MINIMUM OF 8' FROM THE CENTER OF THE TREE OR THE TREE DRIP LINE AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IF TREE ROOTS ARE ENCOUNTERED NEAR TREES TO REMAIN, COORDINATE TREE ROOT PRUNING WITH OWNER WHENEVER TREE ROOTS MAY BE ENCOUNTERED IN EXCAVATION. DO NOT COVER TREE ROOTS DAMAGED BY EXCAVATION NEAR TREE THAT ARE TO REMAIN. WHERE NECESSARY FOR EQUIPMENT OPERATION, TREE MAY BE TRIMMED. COORDINATE ANY TRIMMING OF TREES TO REMAIN WITHIN LANDSCAPE PLANS AND OWNER. HAND EXCAVATING FOR UTILITIES MAY BE NECESSARY TO KEEP TREES INDICATED TO BE PROTECTED IN PLACE.
5. ALL WORK WITHIN CITY ROAD ROW SHALL MEET CITY STANDARDS AND SPECIFICATIONS. OBTAIN CITY PERMIT PRIOR TO ANY WORK WITHIN CITY ROAD RIGHT OF WAY. OBTAIN ALL NECESSARY EXCAVATION PERMITS AND PROVIDE NECESSARY TRAFFIC CONTROL MEASURES PER CITY REQUIREMENTS.
6. REMOVE AND SALVAGE ALL SIGNS, BENCHES, AND EXTERIOR LIGHTS WITHIN THE PROJECT LIMITS. AFTER REMOVAL COORDINATE OWNER FOR PICKUP OF SIGNAGE OR OTHER SALVAGED ITEMS.
7. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. DAMAGE TO SOFT SUBGRADE AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED WITH UP TO 2' OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS.
8. PLACEMENT OF GRANULAR IMPORT MATERIALS MAY BE NECESSARY TO MAINTAIN CONSTRUCTION TRAFFIC PATHWAYS DURING WET PERIODS OF THE YEAR. CONTRACTOR IS REQUIRED TO MAINTAIN TRAFFIC PATHWAYS AT ALL TIMES DURING CONSTRUCTION AND REMOVE OR ADD TO THESE GRANULAR MATERIALS TO MEET THE GRADES NECESSARY TO OBTAIN THE GRADES SHOWN ON CG400.
9. APPROXIMATE FOUNDATION EXCAVATION LIMIT LINE MAY BE EXTENDED WITH APPROVAL FROM THE OWNER. ANY AFFECTED IMPROVEMENTS IMPACTED SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. REFER TO BUILDING PLANS FOR APPLICABLE EXCAVATION LIMIT LINE FOR THE NEW BUILDING.
10. ALL SIGNS TO REMAIN UNLESS INDICATED ON THIS SHEET OR THE SITE PLAN.

DEMOLITION LEGEND

- REMOVE TREES
- REMOVE UTILITY STRUCTURES, LIGHTS ETC.
- REMOVE UTILITY
- ABANDON UTILITY IN PLACE
- PLUG AND CAP
- REMOVE FENCING
- REMOVE WALL/CURBING/CURB AND GUTTER
- SAWCUT
- PROJECT LIMIT LINE
- REMOVE EXISTING BUILDING
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE



CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STATE OF UTAH LICENSED ENGINEER
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD
BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

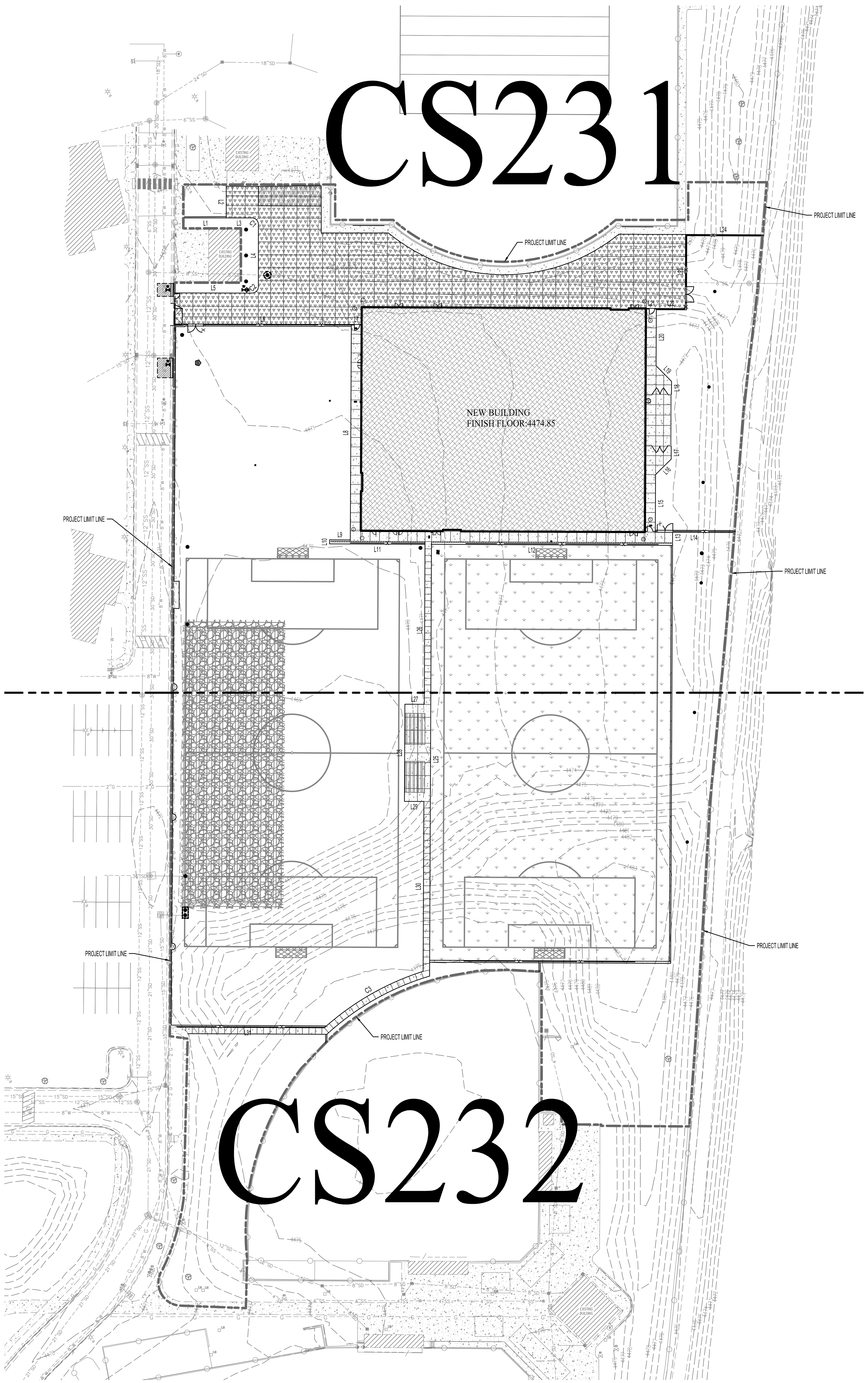
SHEET TITLE

DEMOLITION PLAN

Blue Stakes of UTAH 811

SHEET NUMBER

CS210

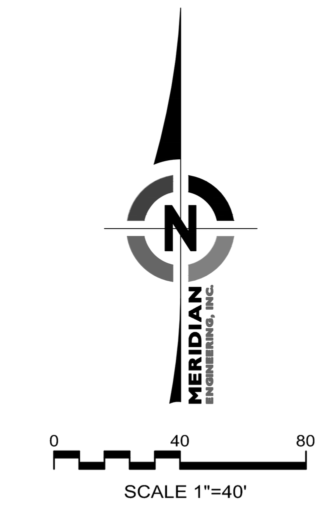


GENERAL SITE LAYOUT NOTES:

1. REFER TO ELECTRICAL PLANS FOR TRANSFORMER LOCATIONS AND LIGHTING.
2. REFER TO LANDSCAPE PLANS FOR LAYOUT OF PLANTINGS.
3. VERIFY THE GRID DISTANCES SHOWN FOR BUILDING LOCATIONS WITH ARCH PLANS.
4. ALL PAVEMENT REPAIR TO MEET REQUIREMENT STANDARD DETAILS ON C100.
5. TRANSITION CURB FROM STANDARD CURB HEIGHT TO CURB TERMINATION OVER 6' MINIMUM AT ALL LOCATIONS.
6. REPAIR/CONSTRUCT DRIVE APPROACHES PER CITY STANDARDS.
7. CURVE AND LINE DATA IS BASED ON THE TOP BACK OF CURB AND FRONT OF SIDEWALK.
8. CURVE AND LINE DATA TABLES SHOWN ON THIS SHEET.

HATCH LEGEND

Symbol	Description
	NEW VEHICULAR CONCRETE REFER TO DETAIL A ON SHEET C100
	NEW SIDEWALK REFER TO DETAIL C ON SHEET C100
	NEW 6" CURB REFER TO DETAIL D ON SHEET C100
	NEW 24" CURB AND GUTTER REFER TO DETAIL E ON SHEET C100
	NEW INTEGRAL COLORED CONCRETE. BROOM FINISH . COLOR TO BE COORDINATED WITH OWNER.
	NEW BUILDING
	NEW UNDERGROUND DETENTION SYSTEM REFER TO SHEETS C103 AND CG450
	NEW ARTIFICIAL TURF REFER TO TURF FIELDS PLANS
WM GM W HYD	NEW SURFACE UTILITIES REFER TO SHEET CU300
	NEW 8" CONCRETE WALL REFER TO STRUCTURAL PLANS
	NEW 18" CURB WITH SPORTS NETTING REFER TO LANDSCAPE PLANS



TBC Line Table

L#	L	Bearing
L1	32.15	S89° 57' 00.21"W
L2	24.50	S0° 03' 05.43"E
L3	19.82	S89° 57' 00.21"W
L4	48.03	N0° 01' 09.67"E
L5	59.59	S89° 52' 37.97"E
L6	136.48	S89° 52' 30.71"E
L7	8.00	S89° 44' 22.41"E
L8	167.26	N0° 15' 37.59"E
L9	16.00	N89° 44' 22.41"W
L10	3.17	S0° 15' 37.59"W
L11	73.69	S89° 44' 22.41"E
L12	186.00	N89° 44' 22.35"W
L13	8.00	N0° 16' 41.02"E
L14	59.92	N89° 44' 22.41"W
L15	44.43	N0° 15' 37.59"E
L16	16.97	N45° 15' 42.59"E

TBC Line Table

L#	L	Bearing
L17	10.00	N0° 15' 37.59"E
L18	10.00	S0° 15' 37.59"W
L19	16.97	S44° 44' 22.41"E
L20	44.24	S0° 15' 37.59"W
L21	8.00	N89° 44' 22.41"W
L22	22.33	N89° 44' 22.41"W
L23	57.22	S0° 15' 37.59"W
L24	58.18	S89° 44' 22.41"E
L25	334.75	N0° 15' 37.59"E
L26	124.97	S0° 15' 37.59"W
L27	15.00	N89° 44' 22.41"W
L28	75.00	S0° 15' 37.59"W
L29	15.00	S89° 44' 22.41"E
L30	131.11	S0° 15' 37.59"W
L31	113.76	N89° 44' 23.10"W

TBC Curve Table

C#	L	R	Δ	Chord Bearing	Chord L
C1	7.86	5.00	090°04'09"	N45° 00' 55"W	7.08
C2	7.86	5.00	090°06'12"	N45° 04' 16"E	7.08
C3	88.36	208.29	024°18'22"	S60° 14' 36"W	87.70

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STATE OF UTAH LICENSED ENGINEER
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No.8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

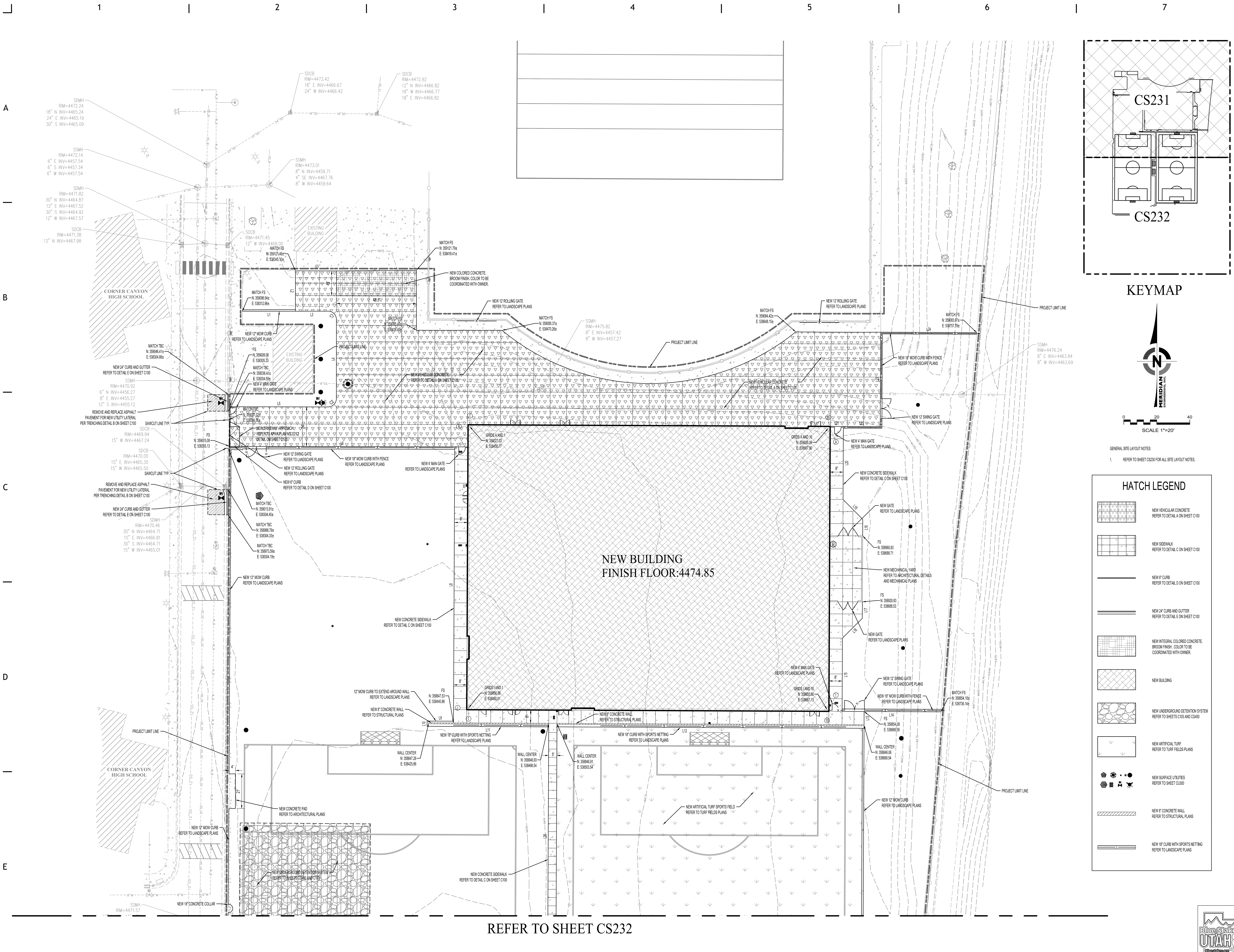
OVERALL SITE LAYOUT PLAN

Blue Stakes of UTAH 811

SHEET NUMBER

CS230

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt
5/16/2024 10:06:28 AM



Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt
5/16/2024 10:06:28 AM

CORE ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER STATE OF UTAH LICENSED
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

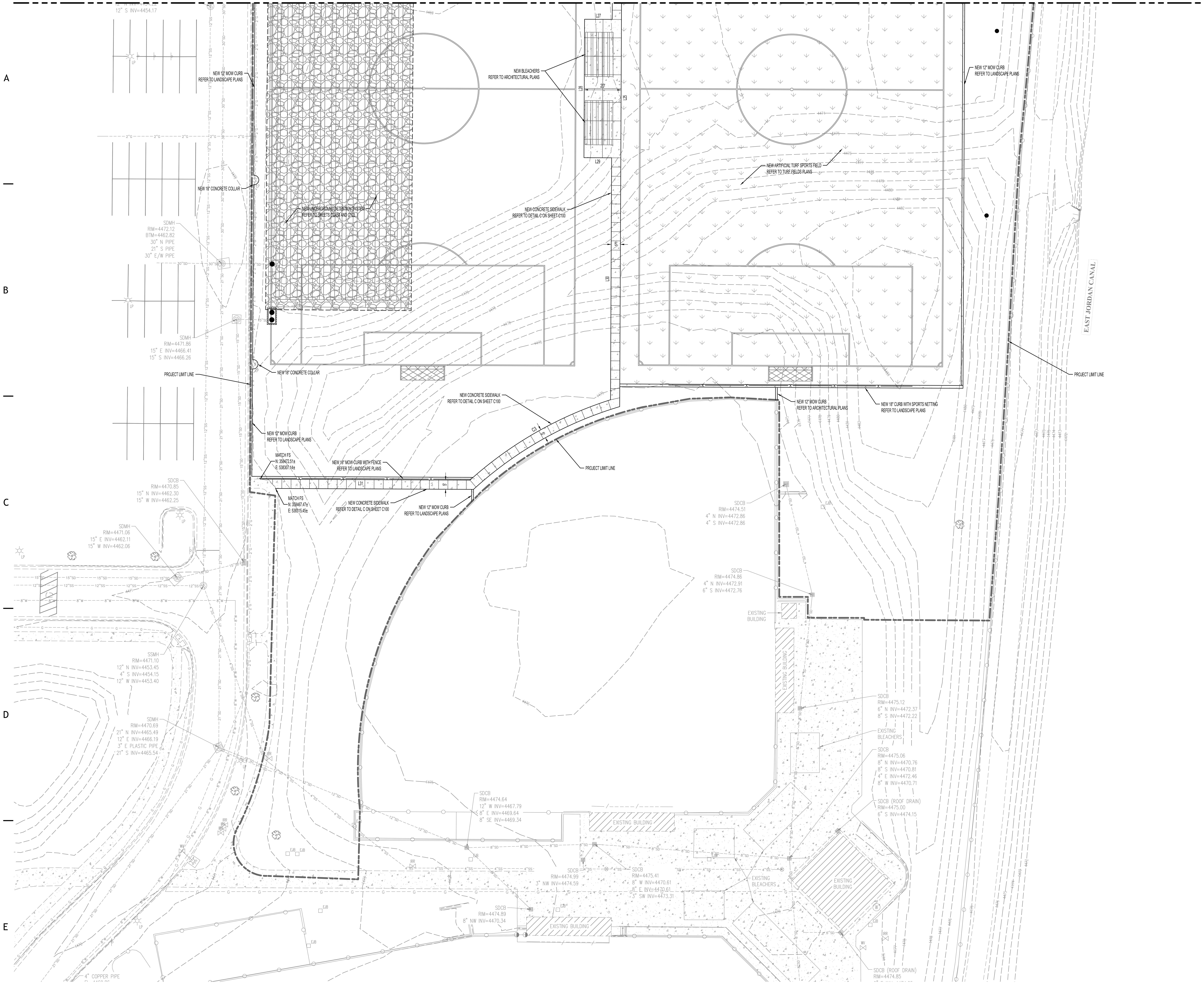
ENLARGED SITE LAYOUT PLAN

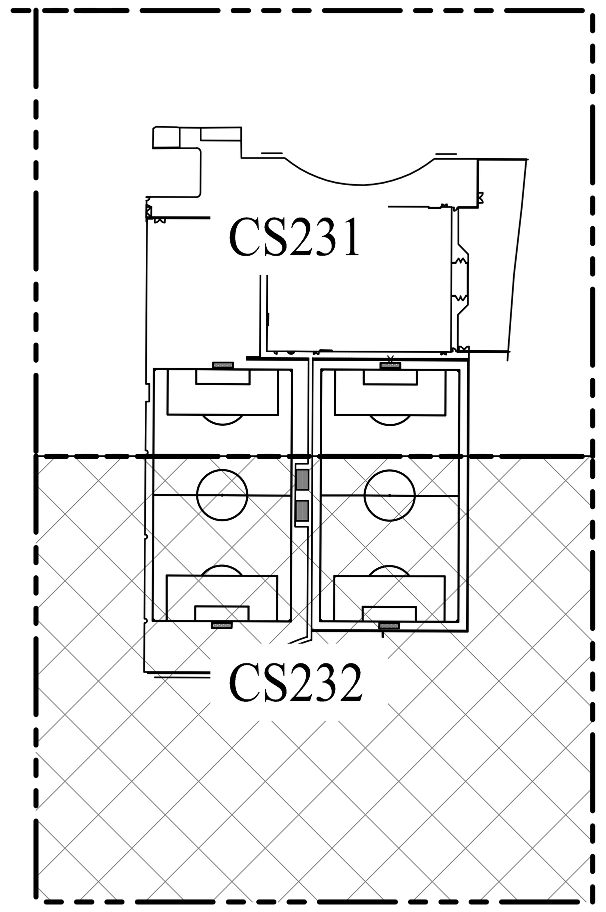
Blue Stakes of UTAH 811

SHEET NUMBER

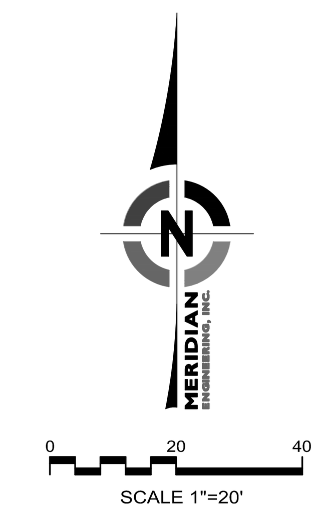
CS231

REFER TO SHEET CS231





KEYMAP



GENERAL SITE LAYOUT NOTES:

1. REFER TO SHEET CS230 FOR ALL SITE LAYOUT NOTES.

HATCH LEGEND

- NEW VEHICULAR CONCRETE REFER TO DETAIL A ON SHEET C100
- NEW SIDEWALK REFER TO DETAIL C ON SHEET C100
- NEW 6" CURB REFER TO DETAIL D ON SHEET C100
- NEW 24" CURB AND GUTTER REFER TO DETAIL E ON SHEET C100
- NEW INTEGRAL COLORED CONCRETE. BROOM FINISH . COLOR TO BE COORDINATED WITH OWNER.
- NEW BUILDING
- NEW UNDERGROUND DETENTION SYSTEM REFER TO SHEETS C103 AND CG450
- NEW ARTIFICIAL TURF REFER TO TURF FIELDS PLANS
- NEW SURFACE UTILITIES REFER TO SHEET CU300
- NEW 8" CONCRETE WALL REFER TO STRUCTURAL PLANS
- NEW 18" CURB WITH SPORTS NETTING REFER TO LANDSCAPE PLANS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER LICENSED STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS

BID SET

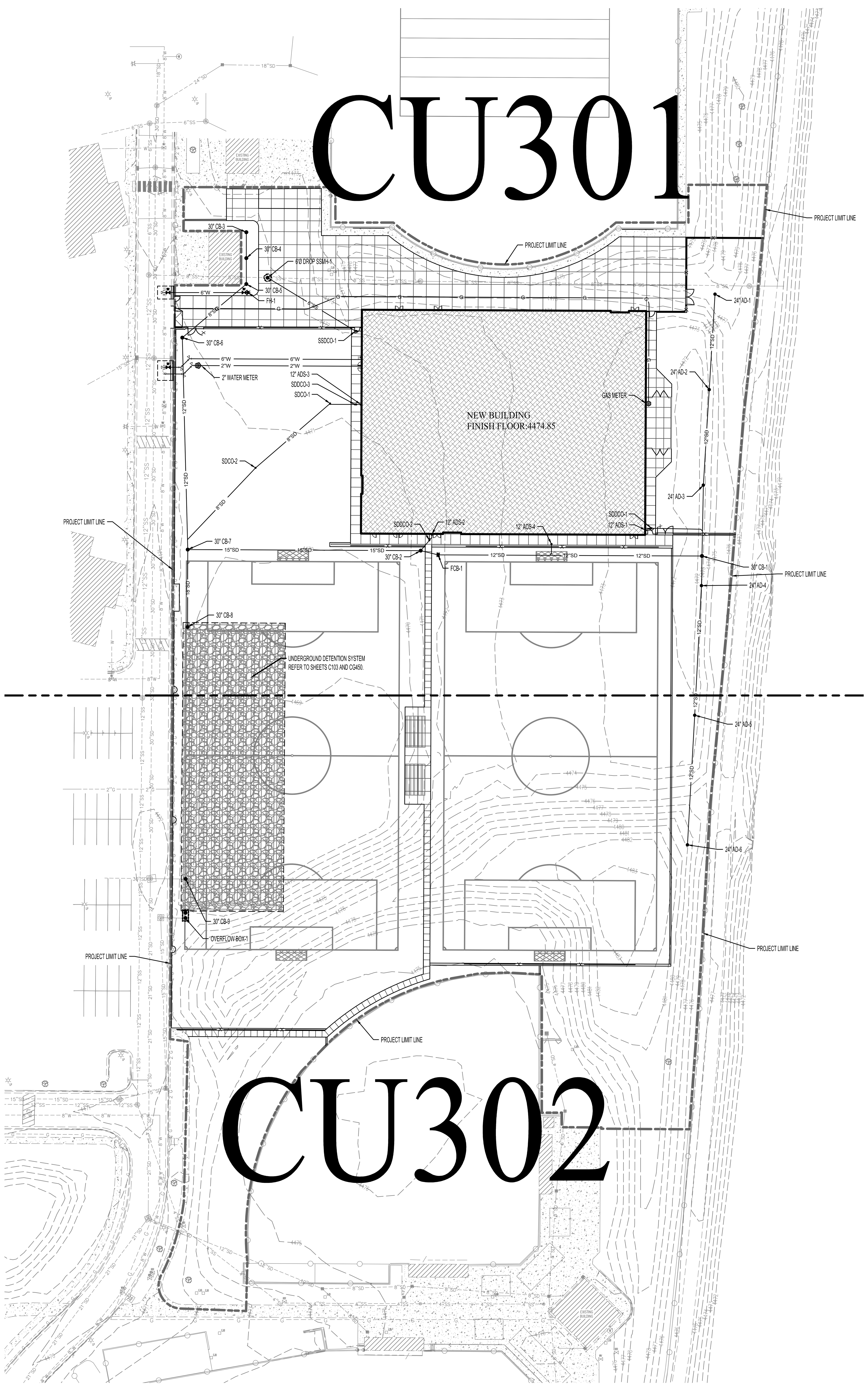
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

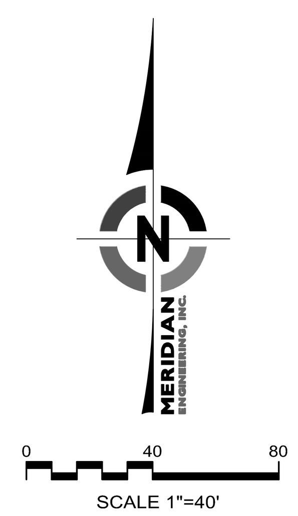
SHEET TITLE

ENLARGED SITE LAYOUT PLAN

SHEET NUMBER

CS232





STRUCTURE LABEL	DETAIL #
ADS - 12"Ø AREA DRAIN	DETAIL A SHEET C101
AD - 24"Ø AREA DRAIN	DETAIL B SHEET C101
CB - 30"Ø CATCH BASIN	DETAIL C SHEET C101
OVERFLOW BOX	DETAIL D SHEET C101
SDCO & SSCO - STORM AND SEWER CLEANOUT	DETAIL F SHEET C101
DROP SSMH - SANITARY SEWER DROP MANHOLE	SVSD SS-2E SHEET C101
FH - FIRE HYDRANT	CITY DETAIL 3056 SHEET C102
2" WATER METER	CITY DETAIL 3101 SHEET C102

GENERAL UTILITY NOTES:

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

WATER LINES:
- 6" FIRE SPRINKLER LINE PER CITY STANDARD
- 2" POLY CONFORM TO DRAPER CITY STANDARDS.
- 4", 6", AND 8" PVC AWWA C-900 WITH CEMENT-MORTAR LINED DUCTILE IRON PIPE FITTINGS WRAPPED IN 10 MI. POLYETHYLENE SLEEVES PER AWWA AND CITY STANDARDS FOR FIRE SPRINKLER AND WATER LINES.

SEWER LINES, MANHOLES, DROP MANHOLES, AND CLEANOUTS:
- APWA AND SEWER DISTRICT STANDARDS WITH STANDARD FITTINGS AND CLEANOUTS.
- PVC PIPE 6" TO 12" (SDR 35), USE 6" DI AT FITTING ON SERVICE LINES TO BUILDINGS REFER TO CLEAN OUT DETAILS.
- MANHOLES, DROP MANHOLES, AND CLEANOUTS TO SOUTH VALLEY SEWER DISTRICT STANDARDS. PVC PIPING, PRECAST MANHOLES.

STORM DRAIN:
- APWA AND DRAPER CITY STANDARD; RCP FOR 12" OR LARGER PIPE (CLASS III). SITE STORM DRAIN LINES 8" OR SMALLER TO BE PVC PIPE (SDR 35).
- SITE DRAIN PIPING HDPE FOR 12" OR LARGER (ADS OR APPROVED EQUIVALENT). EXCEPT WITH CITY ROW.

ROOF DRAIN PIPING:
- PROJECT PLUMBING SPECIFICATIONS; CAST IRON SOLID PIPE 4" TO 8" ROOF DRAIN PIPING WRAPPED IN POLYETHYLENE SLEEVES (PER AWWA C105).
- ROOF AND AREA DRAIN PIPING: 6" TO 8" PIPING PVC (SDR 35).
- 6" HDPE OR DWV PIPE (SCH 40) FROM DOWN SPOUT TO RD BOXES.

UNDERGROUND DETENTION SYSTEM:
- SEE DETAILS ON SHEET C103.

GAS LINE:
- COORDINATE WITH ENBRIDGE ENERGY.

13. PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION. ANY NEW BACKFLOW DEVICES AND THE STOP AND WASTE VALVE ARE SHOWN ON THE LANDSCAPE DRAWINGS.
14. INSPECTION AND APPROVAL FOR THE SEWER/WATER LINE CROSSINGS ON SITE SHALL BE REVIEWED AND APPROVED BY DRAPER CITY AND SOUTH VALLEY SEWER DISTRICT PRIOR TO CONSTRUCTION OF THE CROSSING. DRAPER CITY AND SOUTH VALLEY SEWER DISTRICT SHALL ALSO INSPECT THE CROSSING PRIOR TO BACKFILL.
15. REFER TO SHEET C200 FOR PROJECT BASIS OF BEARING, BASIS OF COORDINATES AND BENCHMARK.
16. ALL UTILITIES OUTSIDE OF PUBLIC R.O.W. ARE PRIVATELY OWNED AND SHALL BE MAINTAINED BY OWNER UNLESS NOTED OTHERWISE.
17. POT HOLE AND FIELD VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
18. TEMPORARY PUMPING OF SANITARY SEWER MAY BE REQUIRED AS PORTIONS OF THE SYSTEM ARE REPLACED. BACKUP PUMPS AND POWER WILL BE REQUIRED WHERE PUMPING IS NECESSARY TO MAINTAIN SERVICE TO THE EXISTING BUILDING AT ALL TIMES DURING CONSTRUCTION.
19. USE FLOWABLE FILL BETWEEN UTILITY CROSSINGS THAT ARE LESS THAN 12" SEPARATION. ALL GRAVITY LINES MUST BE INSTALLED BEFORE PRESSURIZED LINES.
20. PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
21. ALL FIRE SPRINKLER LINES SHALL HAVE 60" OF COVER MINIMUM. ALL OTHER WATERLINES INCLUDING EXISTING LINES TO HAVE 48" MINIMUM COVER.
22. POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO ROUTING ANY NEW UTILITIES. ALL NEW SEWER, DRAINAGE, OR OTHER GRAVITY LINES SHALL BE COMPLETED PRIOR TO ROUTING ANY PRESSURE LINES. WHERE EXISTING UTILITIES CONFLICT WITH NEW GRAVITY LINES, RAISE OR LOWER EXISTING UTILITIES TO ACCOMMODATE NEW GRAVITY LINES. PROVIDE 12" MIN. CLEARANCE BETWEEN WATER AND OTHER UTILITIES. WATER LINES SHALL NOT BE PLACED UNDER SEWER LINES AND SHALL HAVE A MINIMUM OF 18" CLEARANCE OF SEWER.
23. THRUST BLOCK ALL FITTINGS OR PROVIDE RESTRAINED JOINTS PER CITY STANDARDS. THE NEW 4" AND 6" CONNECTIONS TO THE NEW BUILDING WILL REQUIRE RESTRAINED JOINTS FOR MANY FITTINGS DUE TO LIMITED SPACE BETWEEN PIPES.
24. COORDINATE WITH LANDSCAPE PLANS PRIOR TO COMPLETION OF PAVEMENT FOR INSTALLATION OF IRRIGATION SLEEVES ACROSS PAVING OR PARKING AREAS.
25. WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE A 12" WIDE AROUND THE UTILITY APPARATUSES AND 8" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. REFER TO DETAIL ON SHEET C100. CONCRETE COLLARS TO BE USED IN ONLY ASPHALT PAVEMENT AREAS OR PAVER AREAS.
26. WHERE UTILITY LINES CROSS OR ARE ADJACENT TO SITE WALLS, WALL FOOTINGS, SHALL STEP BELOW UTILITIES FOR WATER AND STORM DRAIN LINES THAT DO NOT HAVE 3' OF FILL BETWEEN THE BOTTOM OF THE NORMAL WALL FOOTING DEPTH (30" DEPTH) AND THE TOP OF PIPE REFER TO DETAIL ON STRUCTURAL PLANS FOR TYPICAL FOOTING STEP DETAIL. WHERE UTILITY LINES HAVE A MINIMUM OF 3' OF FILL BETWEEN THE TOP OF PIPE AND BOTTOM WALL FOOTING THE WALL FOOTING DOES NOT NEED TO STEP BELOW THE NORMAL 30" DEPTH.
27. USE HS-20 SOLID COVERS ON ALL MANHOLES, CIB, AND CB'S. AD AND ADS BOXES TO HAVE PEDESTRIAN TRAFFIC GRATED COVERS EXCEPT AS NOTED. ALL CIB BOXES TO HAVE HS-20 FRAME AND GRATES.
28. REPAIR PAVEMENT, AS WELL AS CURB AND GUTTER, AND SIDEWALKS WHERE UTILITIES CROSS INTO PUBLIC R.O.W. TO MAINTAIN TRAFFIC THROUGH THESE AREAS. ALL REPAIR IN PUBLIC R.O.W. TO MEET APWA AND CITY STANDARDS.
29. SET NEW UTILITY MANHOLE OR STRUCTURE OVER EXISTING PIPING WHERE NEW AND EXISTING PIPING CONNECT. RECONNECT ALL EXISTING PIPING TO NEW STRUCTURES. PROVIDE NEW SECTIONS OF PIPE IF NECESSARY TO RECONNECT ALL PIPING TO THE NEW UTILITY STRUCTURES.
30. GAS LINE CONSTRUCTION TO THE BUILDING METER WILL BE COMPLETED BY ENBRIDGE ENERGY/ COORDINATE GAS INSTALLATION WITH ENBRIDGE ENERGY.
31. 8"X6" WYE FITTINGS FOR ROOF DRAIN OR OTHER WYE CONNECTIONS TO THE 6" OR 8" PVC DRAIN LINES TO BE DI FITTINGS WRAPPED IN 10 MIL. POLYETHYLENE (PER AWWA C105). PLACE CONCRETE ON WYE FITTING SIMILAR TO THE CLEANOUT DETAIL (DETAIL F ON SHEET C101).
32. ALL CB TO HAVE LOCKED DOWN GRATES IN DETENTION SYSTEM AREAS.
33. CONTRACTOR RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS AND INSPECTIONS WHILE WORKING IN THE PUBLIC RIGHT OF WAY.
34. PROJECT LOCATED IN FEMA FLOOD PLAIN ZONE X, 49035C0463H EFFECTIVE 11/19/2021.
35. VALVES ATTACH DIRECTLY TO TEE FITTINGS. "FL" INDICATES FLANGE FITTING AND "MJ" INDICATED MECHANICAL JOINT FITTING. ALL VALVING WILL CONNECT TO MAIN LINE PIPE WITH FLANGE FITTING. MAIN LINE FITTINGS CONNECTING TO VALVES WILL ALSO BE FLANGE FITTINGS. WRAP AND GREASE ALL FITTINGS PER SPECIFICATIONS AND NOTES.
36. USE MECHANICAL JOINTS FOR EACH PIPE JOINT ON THE SEWER LINE FROM THE BUILDING CONNECTION TO 10' NORTH OF THE GEOTHERMAL LINES CROSSING. PIPE ZONE MATERIAL TO BE CONCRETE FILL FOR THE SEWER LINE (SEE SHEET C301), AND FLOW FILL FOR THE WATER AND GEOTHERMAL LINE WITHIN 10' OF THE SEWER LINE CROSSING. POLYETHYLENE ENCASEMENT (8MIL.) FOR ALL MECHANICAL JOINTS.
37. ALL MANHOLES (BOTH SEWER AND STORM) TO BE 4' IN DIAMETER UNLESS SPECIFIED OTHERWISE.
38. THE CONTRACTOR SHALL MAINTAIN 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND CULINARY WATER LINES. FOLLOW CITY STANDARDS FOR ALL WATER/SEWER CROSSINGS.
39. SPOT ELEVATION PREFIX OF 45 OR 44 HAS BEEN DROPPED FROM THE ELEVATIONS IE: ELEVATION 00.00 = 4500.00 AND 96.50 = 4496.50.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STATE OF UTAH LICENSED ENGINEER
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No.8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

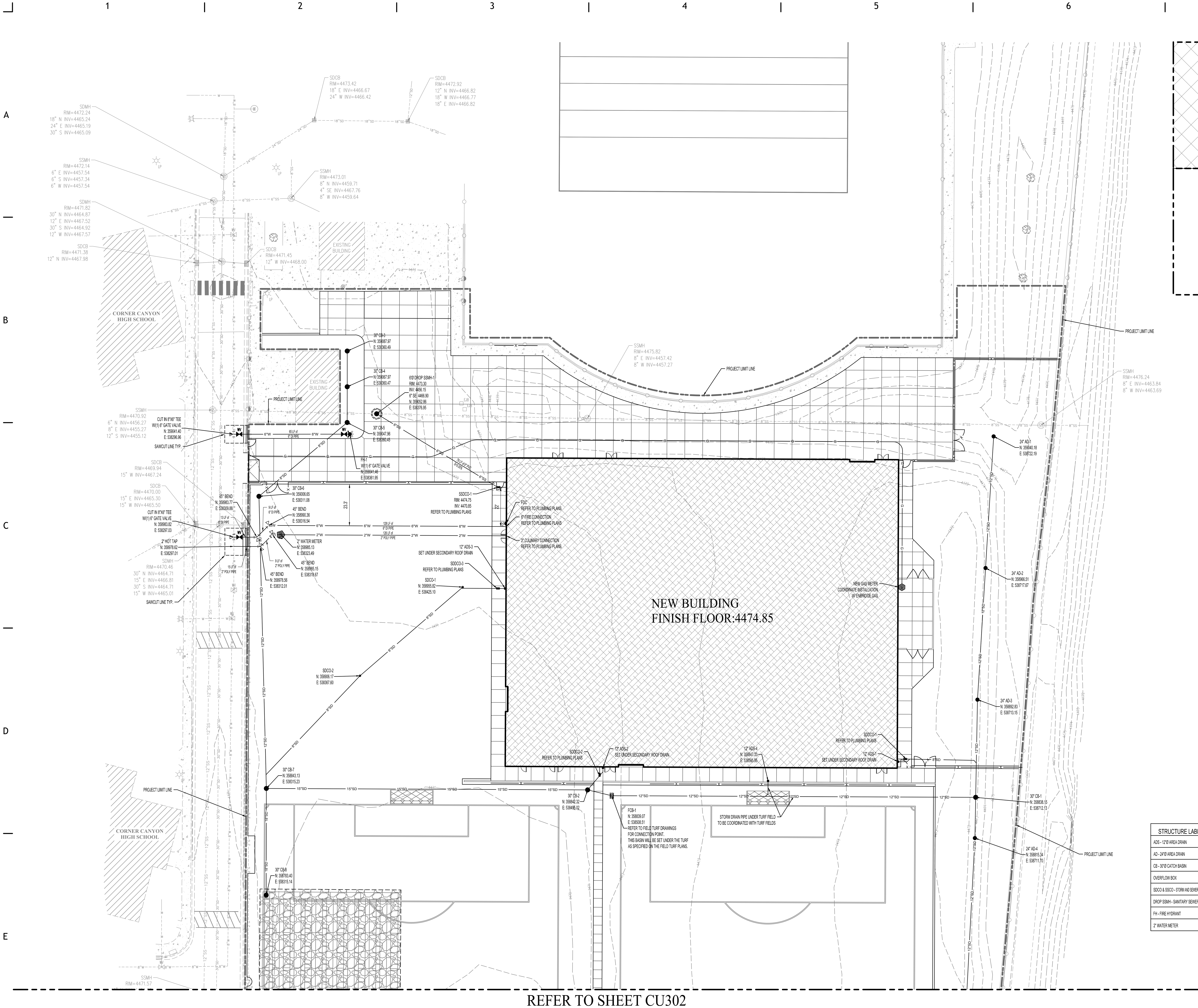
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

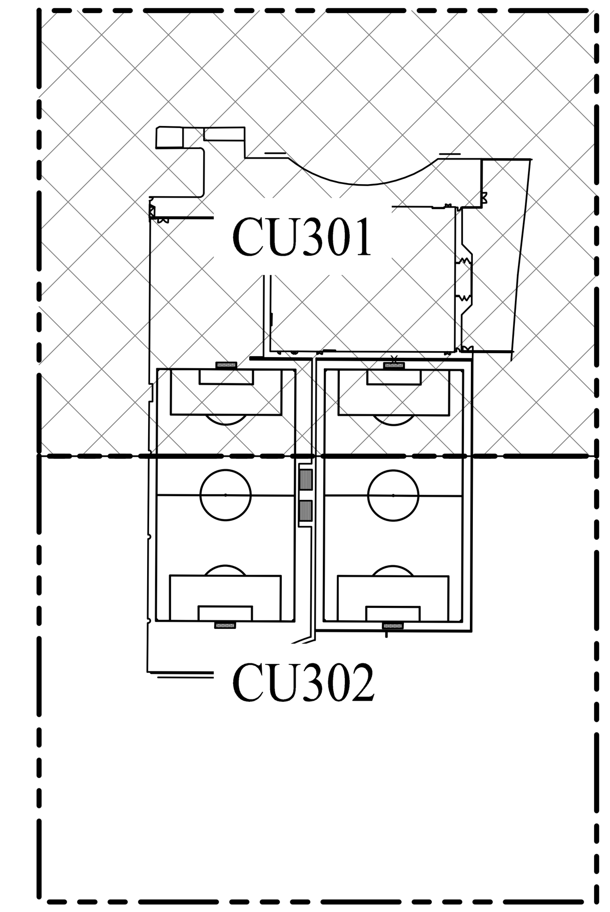
SHEET TITLE

OVERALL UTILITY PLAN

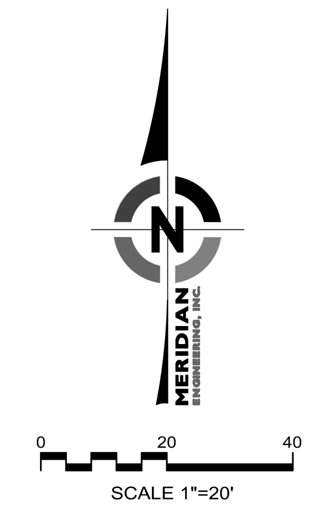
SHEET NUMBER

CU300





KEYMAP



GENERAL UTILITY NOTES:

1. REFER TO SHEET CU000 FOR ALL UTILITY NOTES.

STRUCTURE LABEL	DETAIL #
ADS - 12"Ø AREA DRAIN	DETAIL A SHEET C101
AD - 24"Ø AREA DRAIN	DETAIL B SHEET C101
CB - 30"Ø CATCH BASIN	DETAIL C SHEET C101
OVERFLOW BOX	DETAIL D SHEET C101
SDCO & SSCO - STORM AND SEWER CLEANOUT	DETAIL F SHEET C101
DROP SSMH - SANITARY SEWER DROP MANHOLE	SVSD SS-2E SHEET C101
FH - FIRE HYDRANT	CITY DETAIL 3056 SHEET C102
2" WATER METER	CITY DETAIL 3101 SHEET C102

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 6023535

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

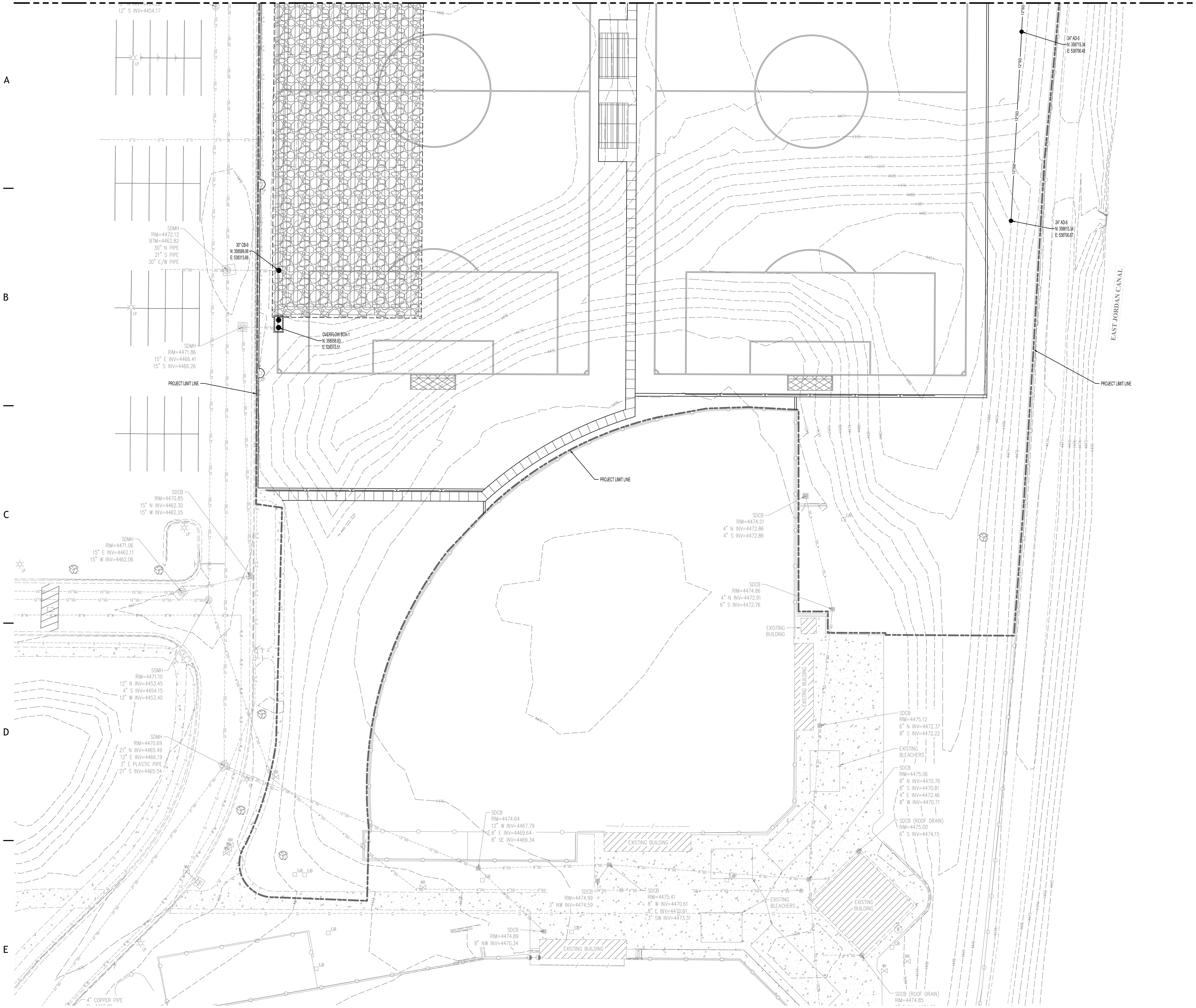
ENLARGED UTILITY PLAN

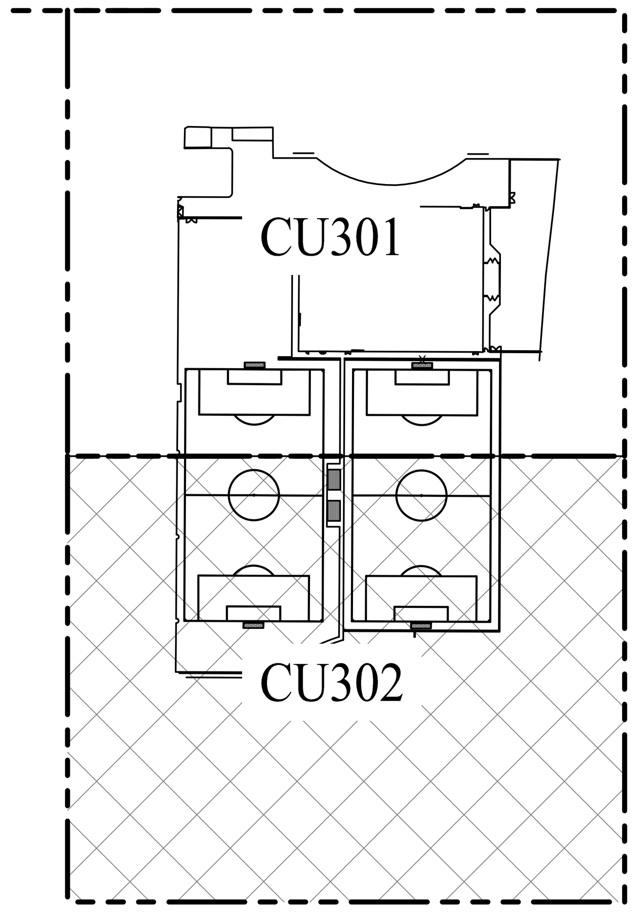
SHEET NUMBER

CU301

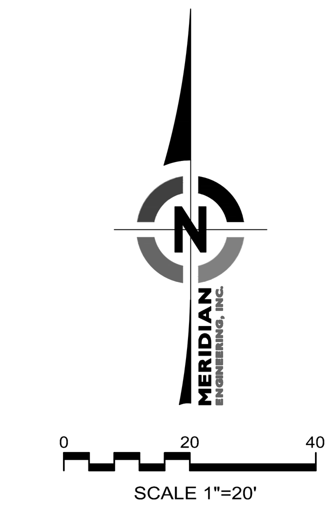
Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt
9/16/2024 10:06:28 AM

REFER TO SHEET CU301





KEYMAP



GENERAL UTILITY NOTES:

1. REFER TO SHEET CU300 FOR ALL UTILITY NOTES.

STRUCTURE LABEL	DETAIL #
ADS - 12"Ø AREA DRAIN	DETAIL A SHEET C101
AD - 24"Ø AREA DRAIN	DETAIL B SHEET C101
CB - 30"Ø CATCH BASIN	DETAIL C SHEET C101
OVERFLOW BOX	DETAIL D SHEET C101
SDCO & SSCO - STORM AND SEWER CLEANOUT	DETAIL F SHEET C101
DROP SSMH - SANITARY SEWER DROP MANHOLE	SVSD SS-2E SHEET C101
FH - FIRE HYDRANT	CITY DETAIL 3056 SHEET C102
2" WATER METER	CITY DETAIL 3101 SHEET C102

CORE ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL LICENSED ENGINEER
STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

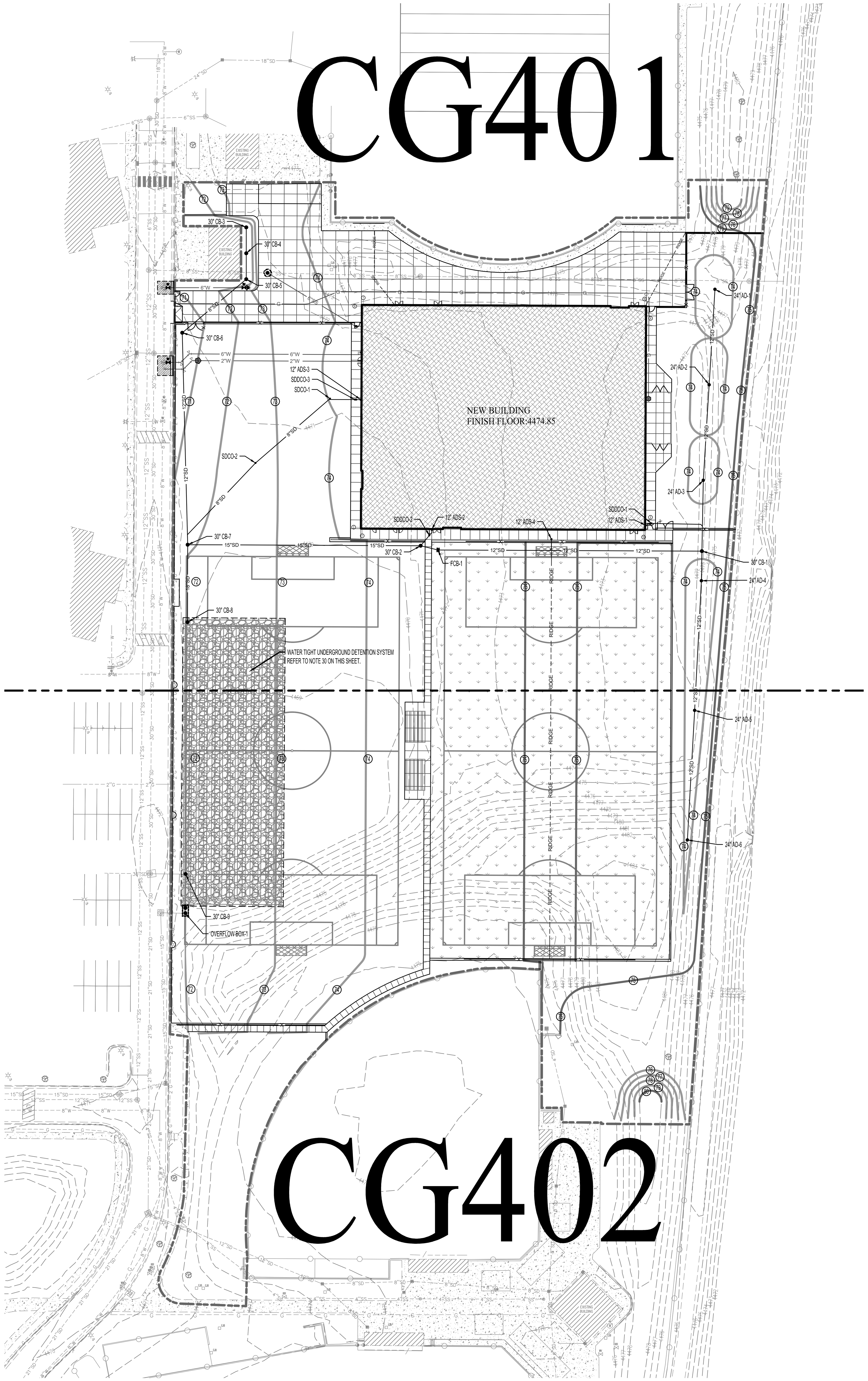
SHEET TITLE

ENLARGED UTILITY PLAN

Blue Stakes of UTAH 811

SHEET NUMBER

CU302



GENERAL GRADING NOTES:

1. CONTOURS OF THE SITE ARE BASED ON A SURVEY BY MERIDIAN ENGINEERING. REFER TO SHEET C200 FOR PROJECT BENCH MARK AND BASIS OF BEARING.
2. PROVIDE APPROVED SILT PROTECTION FOR ALL NEW AND EXISTING CATCH BASINS UNTIL LANDSCAPING IS WELL ESTABLISHED AND PARKING IS COMPLETE. THE PIPING SYSTEM SHALL BE CLEANED OUT BEFORE FINAL APPROVAL. USE MIRAFI "DANDY BAG" OR ANOTHER APPROVED EQUIVALENT FOR EXISTING INLET PROTECTION. REFER TO SHEET C500 AND C510.
3. DIMENSIONS OR COORDINATES ARE TO THE CENTER OF CATCH BASINS FOR AREA INLETS AND AT THE CENTER OF THE CATCH BASIN AT TBC FOR INLETS IN CURB AND GUTTER.
4. ALL WALKWAYS SHALL NOT EXCEED 5% SLOPE. THE PERPENDICULAR CROSS SLOPE TO NOT EXCEED 2% MAX. SLOPE FOR WALKWAYS 2% MAX. FROM BUILDING OR STAIR RISERS FOR 5' MINIMUM. ALSO SLOPE 2% MAX FOR 5' AT THE END OF THE 1:12 SLOPE OF ALL H.C. RAMPS.
5. REFER TO SITE LAYOUT PLAN ON SHEET CS230.
6. PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
7. "TBC" IS TOP BACK OF CURB ELEVATIONS. "FS" IS FINISH SURFACE ELEVATIONS. "TOC" IS TOP OF CONCRETE ELEVATIONS. "TOW" IS TOP OF WALL ELEVATIONS. "BOT" IS FINISH SURFACE AT BOTTOM OF WALL ELEVATIONS. "FL" IS FLOW LINE.
8. TRANSITION FACE OF CURB TO BE FLUSH TO ADJACENT FINISHED SURFACE WHERE INDICATED BY "TBC/FS" TO FULL HEIGHT OVER 5' (MIN).
9. PLACE CONCRETE COLLAR AROUND ALL NEW CATCH BASINS OR CLEANOUTS (NOT IN CURB AND GUTTER). COLLAR TO BE 1' MINIMUM WIDTH AND SHALL BE 8" MINIMUM THICKNESS. PLACE 2 #4 BARS AROUND OPENING. SEE DETAIL ON SHEET C100.
10. REFER TO SHEET C100 AND C210 FOR REQUIRED PAVEMENT SECTIONS.
11. ALL STORM WATER TO BE DETAINED ONSITE USING 2.20 CFS RELEASE FLOW (PER SHEET C31 DATED DECEMBER 2014 PLANS) FOR THE 10-YEAR STORM EVENT.
12. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN THE SPEC SECTION WITH UP TO 2' OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE.
13. SITE SOILS MAY NOT SUPPORT CONSTRUCTION TRAFFIC DURING WET PERIODS OF THE YEAR. CONTRACTOR WILL BE RESPONSIBLE TO PLACE GRANULAR FILL AND/OR COBBLE MATERIALS AS NECESSARY TO MAINTAIN ACCESS TO THE SITE OR BUILDING THROUGHOUT THE CONSTRUCTION SITE AT ALL TIMES. EXCESS MATERIAL SHALL BE REMOVED AS REQUIRED TO COMPLETE THE SITE TO THE GRADES SHOWN ON GRADING PLANS. ALSO REFER TO GEOTECHNICAL INVESTIGATION SHEETS FOR SITE SOIL PREPARATION REQUIREMENTS.
14. PROVIDE TEMPORARY STORM DRAIN PUMPING, PONDING, BERMING, PIPING AND INLETS OR OTHER MEASURES TO RETAIN CONSTRUCTION STORM DRAIN RUNOFF ON SITE DURING CONSTRUCTION UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL CONSTRUCTION SITE RUNOFF TO HAVE HEAVY SEDIMENT REMOVED PRIOR TO RELEASING TO EXISTING SITE DRAIN SYSTEM. PROTECT ADJACENT BUILDING FROM CONSTRUCTION RUNOFF AT ALL TIMES.
15. THERE SHOULD BE NO STANDING WATER ONSITE. ALL STORM WATER SHALL DRAIN TO AN INLET OR AREA DRAIN. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF ANY LOW SPOTS THAT DO NOT DRAIN ARE ENCOUNTERED. A WATER TEST WILL BE PERFORMED BY THE CONTRACTOR WITH THE ENGINEER OF RECORD IN ATTENDANCE OR A SURVEY OF THE NEW IMPROVEMENTS PROVIDED TO THE ENGINEER AT COMPLETION OF THE PROJECT TO VERIFY THAT ALL STORM DRAIN WATER DRAINS AS DESIGNED.
16. ALL "MATCH" LOCATIONS INDICATE THAT THE CONTRACTOR IS TO MATCH THE EXISTING GRADE. AN APPROXIMATE ESTIMATE IS PROVIDED BY THE ENGINEER BASED ON AN INTERPOLATION OF NEAREST SPOT ELEVATIONS PROVIDED BY THE SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE ELEVATIONS. IF THE ELEVATION PROVIDED BY THE ENGINEER VARIES GREATLY FROM THE ACTUAL ELEVATION FOUND BY THE CONTRACTOR THE CONTRACTOR IS TO NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN PROVIDE FURTHER DIRECTION.
17. GRADE UNIFORMLY BETWEEN SPOT ELEVATIONS AND CONTOURS UNLESS NOTED OTHERWISE. IF ANY QUESTIONS ARISE ABOUT THE PROPOSED GRADING SHOWN ON PLANS CONTACT THE ENGINEER OF RECORD BEFORE FIELD GRADING.
18. MAINTAIN DRAINAGE FROM EXISTING STORM DRAIN LINES OFFSITE THAT ROUTE THROUGH THE DETENTION BASIN ONSITE DURING CONSTRUCTION OF ALL PHASES. PROVIDE TEMPORARY MEASURES OF NEW PIPING, PUMPING, OR OTHER METHODS TO MAINTAIN DRAINAGE FROM ALL EXISTING STORM DRAINS WHILE NEW PIPING SYSTEMS OUTFALLS ARE COMPLETED.
19. REMOVE ALL CLAY MATERIALS FROM UNDER BUILDINGS AND ARTIFICIAL TURF AS OUTLINED IN THE SPECIFICATIONS. UNDER NEW PAVEMENT REMOVE A MINIMUM OF 12" OF CLAY LAYER AND REPLACE WITH GRANULAR FILL AS OUTLINED IN THE PAVEMENT DETAILS ON C100 AND THE EARTH MOVING SPECIFICATION. ALL UTILITIES TRENCHES TO BE BACKFILLED WITH GRANULAR BACKFILL PER TRENCH DETAIL ON C100.
20. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL STUDY REFERENCED IN PLAN SET. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS BEING PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOIL REPORT.
21. ADS INJECTION MOLDED 45° REDUCER WYE (OR APP EQUIVALENT) FLOWABLE FILL TO BE PLACED AROUND EACH WYE CONNECTION. TYP.
22. NO STORM WATER TO ENTER THE DETENTION SYSTEM UNTIL THE PIPING SYSTEM AND PRE-TREATMENT INLET HAS BEEN INSTALLED. CONTRACTOR TO CLEAN ENTIRE SYSTEM BEFORE IT IS ATTACHED TO THE DETENTION BASIN.
23. NOTIFY ENGINEER OF RECORD IF THERE ARE ANY CONFLICTS WITH UTILITY LINES OR IF ASSUMED INVERTS VARY, FOR FURTHER COORDINATION. SEWER AND WATERLINES TO HAVE 18" SEPARATION WITH WATER OVER SEWER. ALL OTHER UTILITIES TO HAVE 12" SEPARATION MIN. IF 12" SEPARATION CANNOT BE ACHIEVED UTILITIES TO HAVE FLOWABLE FILL BETWEEN THE UTILITY LINES 5' EACH WAY.
24. CONTRACTOR IS RESPONSIBLE TO INFORM THE ENGINEER OF RECORD IF THE GRADES SHOWN ON THE SURVEY DO NOT MEET THE ACTUAL GRADES IN THE FIELD.
25. ALL STRUCTURE LIDS WITHIN THE PROJECT LIMITS WILL NEED TO HAVE THEIR GRADE ADJUSTED. WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE 12" WIDE AROUND THE UTILITY APPARATUSES AND 8" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. CONCRETE COLLARS TO BE USED ONLY IN ASPHALT/CONCRETE AREAS.
26. REMOVE AND REPLACE ANY DAMAGED CURB, GUTTER, OR SIDEWALK ALONG FRONTAGE BEFORE FINAL INSPECTION.
27. ALL GUTTERS TO SLOPE 0.5% MINIMUM TOWARDS CURB INLET BOX. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF THE PROPOSED GRADE DOES NOT MEET 0.5% SLOPE IN GUTTER.
28. SPOT ELEVATION PREFIX OF 45 OR 44 HAS BEEN DROPPED FROM THE ELEVATIONS IE: ELEVATION 00.00 = 4500.00 AND 96.50 = 4496.50.
29. 30 MIL PVC IMPERMEABLE LINER REQUIRED FOR DETENTION SYSTEM. LINER TO BE PVC WELDED ON SITE AND TESTED FOR WATER TIGHTNESS BEFORE BEING BURIED. REFER TO ADS DETAILS ON SHEET C103.

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

GRADING LEGEND

75	MAJOR CONTOUR
72	MINOR CONTOUR
	HALF FOOT CONTOUR

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

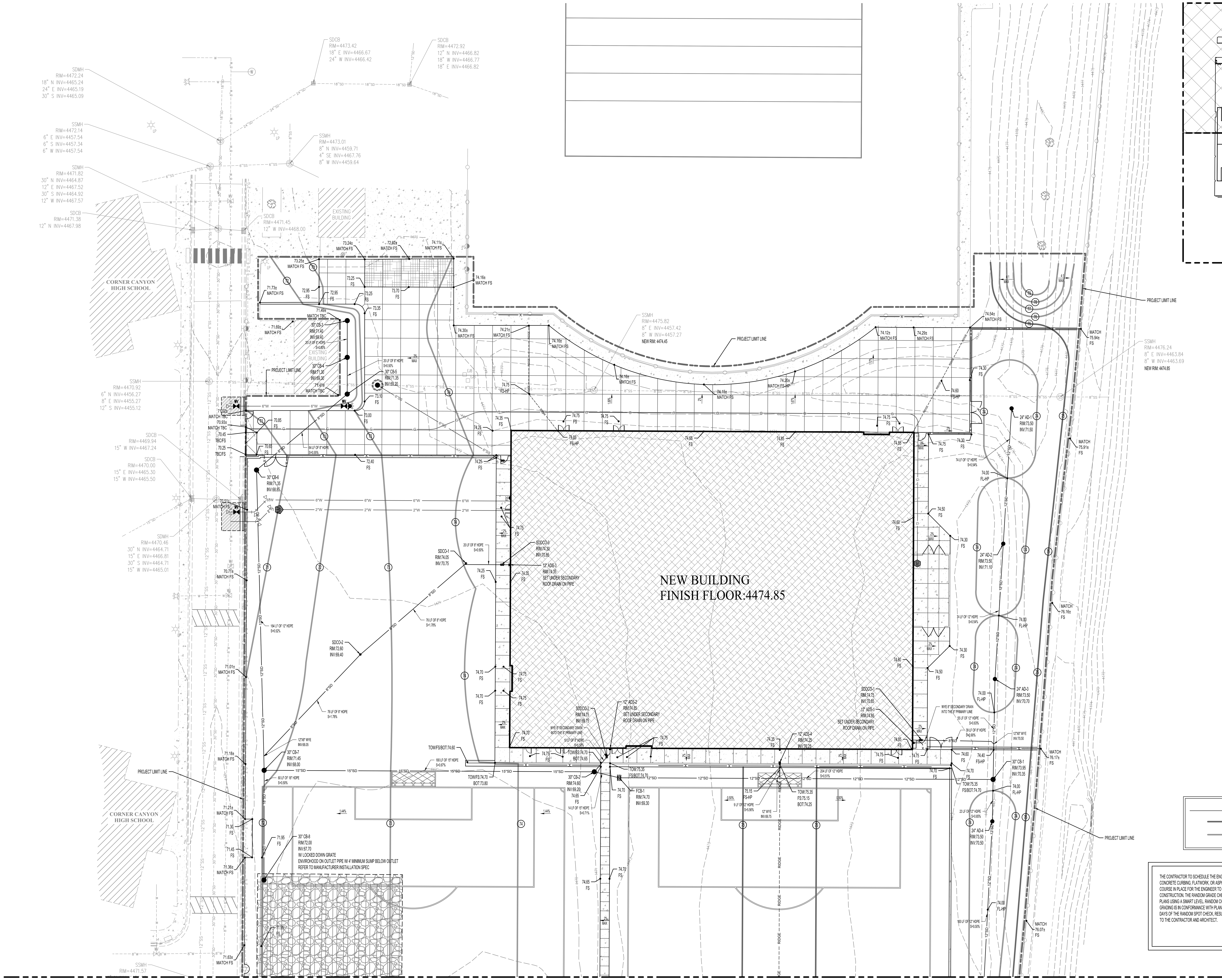
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

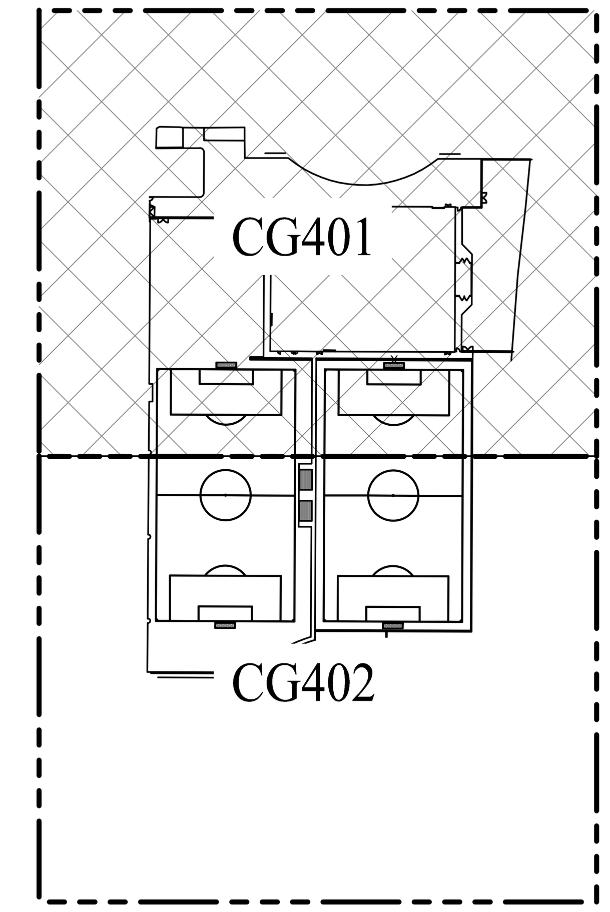
SHEET TITLE

OVERALL GRADING PLAN

SHEET NUMBER

CG400





KEYMAP

SCALE 1"=20'

GRADING LEGEND

75	MAJOR CONTOUR
72	MINOR CONTOUR

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023535

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

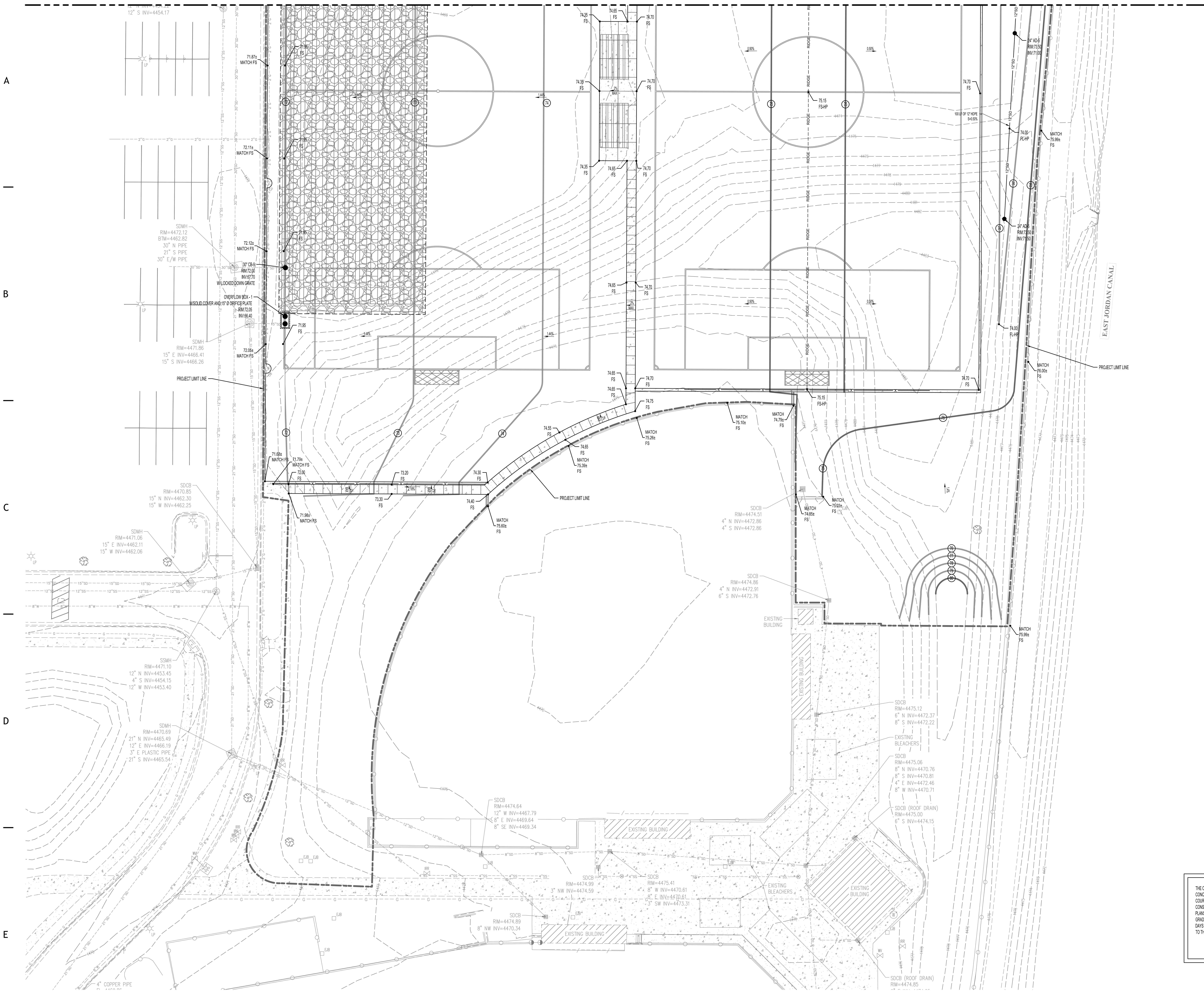
SHEET TITLE

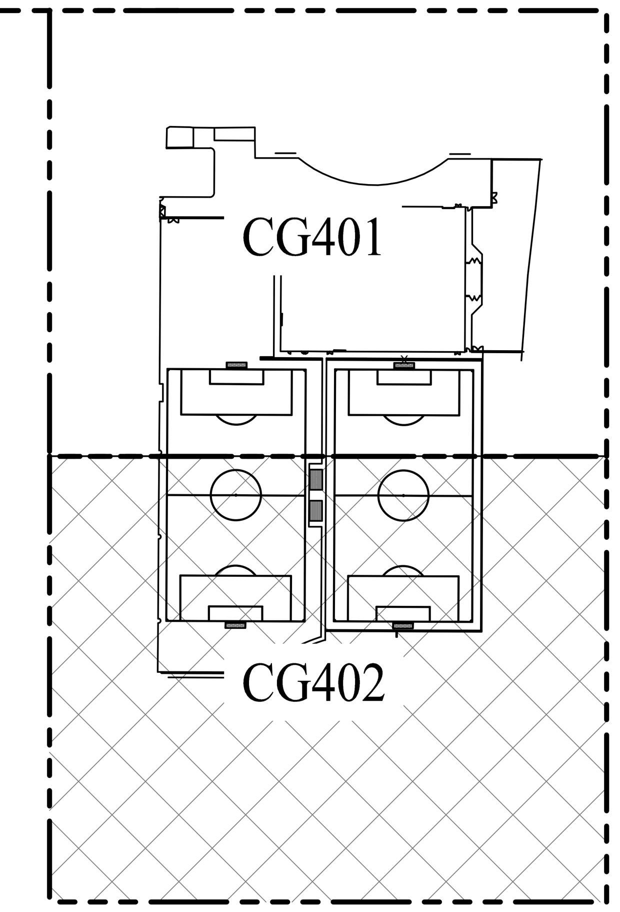
ENLARGED GRADING PLAN

SHEET NUMBER

CG401

REFER TO SHEET CG401




KEYMAP


SCALE 1"=20'

GRADING LEGEND

MAJOR CONTOUR

MINOR CONTOUR

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STATE OF UTAH LICENSED ENGINEER
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

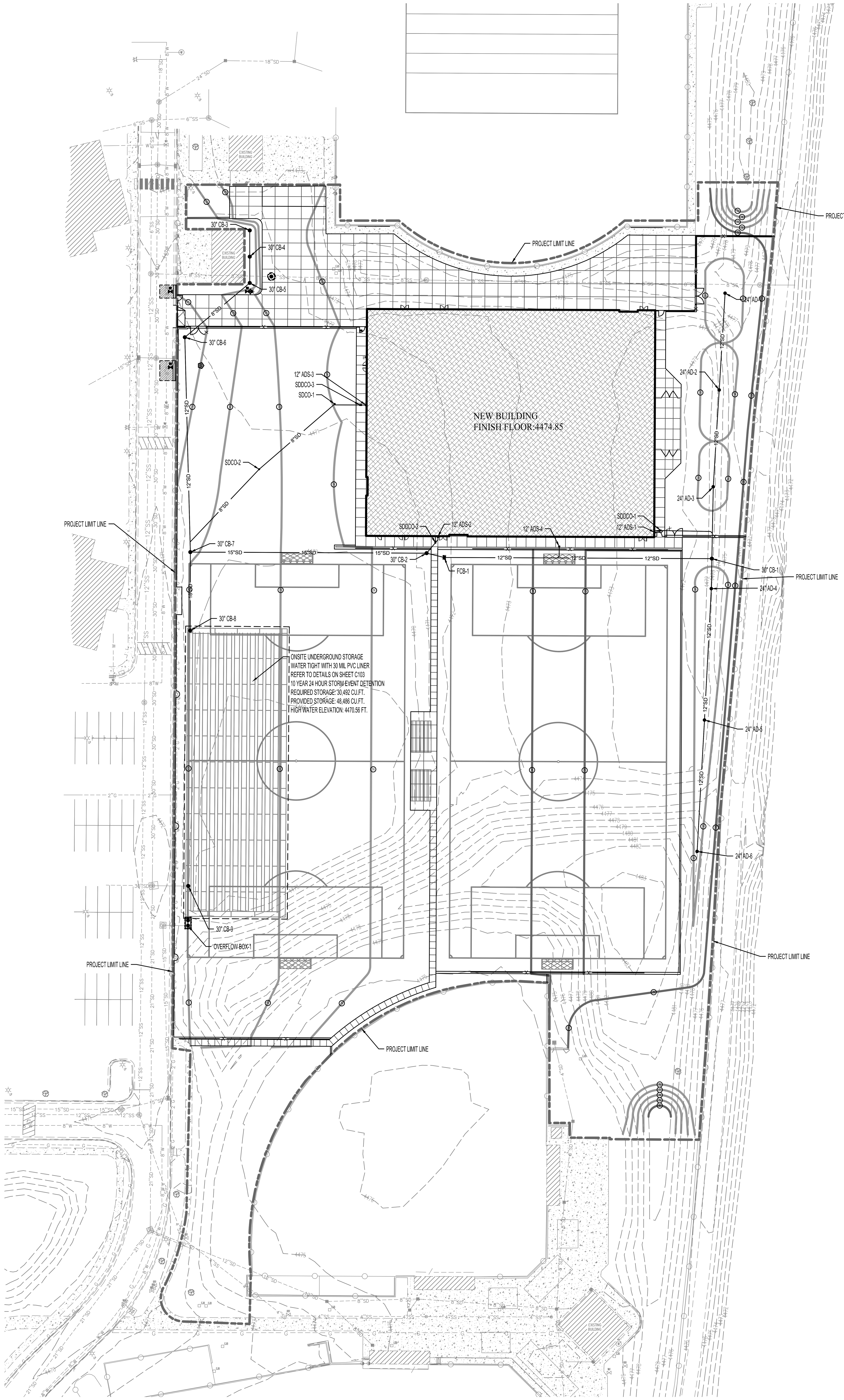
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ENLARGED GRADING PLAN

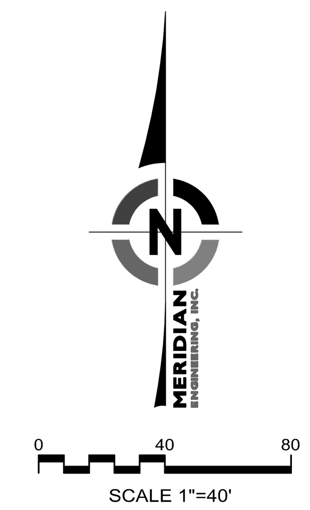
SHEET NUMBER

CG402



NOTES:

1. SEDIMENT WILL NOT BE ALLOWED INTO DETENTION SYSTEM DURING CONSTRUCTION AND DURING LANDSCAPE STABILIZATION OF SOILS. CONTRACTOR WILL BE REQUIRED TO CLEAN OR REPLACE RETENTION BASINS THAT ARE NOT MAINTAINED FREE OF SEDIMENT DURING CONSTRUCTION AND DURING ESTABLISHMENT OF ALL LANDSCAPED AREAS.
2. APPROXIMATED A 10-YEAR 24-HOUR STORM EVENT IS TO BE DETAINED UNDERGROUND.
3. TR-55 CALCULATIONS SHOWN IN THIS SHEET. HOWEVER, THE DESIGN FOR THE DETENTION SYSTEM USED RATIONAL METHOD, WHICH CONSERVATIVELY ACCOUNTS FOR THE VOLUME EXPECTED IN THE TR-55 METHOD.
4. HYDROLOGIC MODEL OF THE PROJECT WAS COMPETED USING HYDROLOGIC MODELING SYSTEM (HEC-HMS) VERSION 4.9, BUILD 2944, DATE 12SEP2024.



Date: 12-Sep-24
Project Location: CDS Corner Canyon HS Fieldhouse
Location: Basin 1
Method: Rational

Allowable Release Flow: **2.20 cfs** *City Connection*

Existing Improvements:
This reflects all areas indicated on sheet C31 minus original A -13. Plus the new improvements (dated December 2014)

Drainage Area	Area (acres)	C	CA
A-1	0.94	0.62	0.58
A-2	0.33	0.86	0.28
A-3	0.41	0.87	0.36
A-4	0.54	0.86	0.46
A-5	0.25	0.59	0.15
A-6	0.20	0.69	0.14
A-7	5.46	0.70	3.82
A-8	0.30	0.64	0.19
A-9	2.47	0.50	1.24
A-10	5.60	0.82	4.59
A-11	0.52	0.51	0.27
A-12	7.42	0.30	2.23
A-13 - updated	6.15	0.52	3.19
Total:	**30.59**	**0.57**	**17.49**

New Improvements:

		Runoff Coefficients
New Landscape Area	140,361 SF	C= 0.20
New Paved Area	30,262 SF	C= 0.90
New Building Area	37,825 SF	C= 0.95
Others:	59,381 SF	C= 0.80

Total Area: **267829 SF** **Weighted C = 0.52**
Total Area: **6.15 AC**

Combined Required Detention:
This reflects all areas indicated on sheet C31 minus original A -13 (dated December 2014). Plus the new improvements.

Lapsed Time Minutes	Accum. Rainfall Inches(10 yr)	"CA" Acre	Total Runoff Vol. CF	Discharge CF	Req'd Storage CF
15	0.532	17.49	33498	1980	31518
30	0.716	17.49	45084	3960	41124
60	0.887	17.49	55851	7920	47931
120	1.010	17.49	63596	15840	47756
180	1.090	17.49	68633	23760	44873
360	1.330	17.49	83745	47520	36225
720	1.640	17.49	103264	95040	8224
1440	1.780	17.49	112080	190080	0
COMBINED REQUIRED DETENTION STORAGE:				**47,931 CF (10 yr)**	

Lapsed Time Minutes	Accum. Rainfall Inches(100 yr)	"CA" Acre	Total Runoff Vol. CF	Discharge CF	Req'd Storage CF
15	1.04	17.49	65485	1980	63505
30	1.41	17.49	88782	3960	84822
60	1.74	17.49	109561	7920	101641
120	1.90	17.49	119636	15840	103796
180	1.93	17.49	121525	23760	97765
360	2.09	17.49	131599	47520	84079
720	2.48	17.49	156156	95040	61116
1440	2.50	17.49	157415	190080	0
				103,796 CF (100 yr)	

Underground Detention System Volume:
Total: **48,486** CF

COMBINED DETENTION STORAGE PROVIDED: **48,486 CF (10 yr)**

Orifice Calculation

Area:	30.59 Acre
Discharge Rate	0.36 cfs/acre
Qp =	10.95 cfs
H =	5.65 ft
A =	0.9565 Sq Ft
	137.7 Sq In
D =	**13 2/8 In**

USE A 7" ORIFICE

HEC SUMMARY TABLE	
HIGHWATER:	4470.56 FT
PIPE INVERT:	4466.40 FT
PEAK ELEVATION:	4468.70 FT
TOTAL STORAGE:	**0.7 AC-FT**
	30,492 CUBIC FEET

Time of Concentration Calculations

Sheet Flow								Shallow Concentrated Flow							Basin	UH
Path Paved (Y/N)	Manning Roughness	Flow Length Ft	2yr 24 hr Depth in	Begin El Ft	End El Ft	Slope ft/ft	T_{sheet} Min	Flow Length Ft	Begin El Ft	End El Ft	Slope ft/ft	Path Paved (Y/N)	V/S coeff k	$T_{shallow}$ Min	Tc Min	Lag Time Min
No	0.410	721	1.32	82.00	74.00	0.0111	175.4	1767.33	74.00	60.25	0.0078	Yes	20.8	16.1	191.5	114.9

Combined Required Detention:
This reflects all areas indicated on sheet C31 minus A -13 (dated December 2014). Plus the new improvements.

DRAINAGE AREA	AREA (AC)	CN = BLDG 98	CN = HARD 98	CN = TURF 80	CN = LAND 30	COMPOSITE CN
A-1	0.94	0.00	0.56	0.00	0.38	
A-2	0.33	0.00	0.31	0.00	0.02	
A-3	0.41	0.00	0.39	0.00	0.02	
A-4	0.54	0.00	0.51	0.00	0.03	
A-5	0.25	0.00	0.14	0.00	0.11	
A-6	0.20	0.13	0.00	0.00	0.07	
A-7	5.46	0.43	0.00	4.02	1.01	
A-8	0.30	0.00	0.19	0.00	0.11	
A-9	2.47	0.73	0.27	0.00	1.47	
A-10	5.60	1.20	3.65	0.00	0.75	
A-11	0.52	0.00	0.23	0.00	0.29	
A-12	7.42	0.00	1.02	0.00	6.40	
A-13 - updated	6.15	0.87	0.69	1.36	3.22	
TOTALS:	**30.59**	**3.36**	**7.96**	**5.38**	**13.88**	**64**

TOTAL AREA: **1,332,435 SF** **Weighted CN= 64**
TOTAL AREA: **30.59 Ac.** **Initial Abstraction (I) = 1.13**
Max Runoff (S) = 5.63

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No.8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS

BID SET

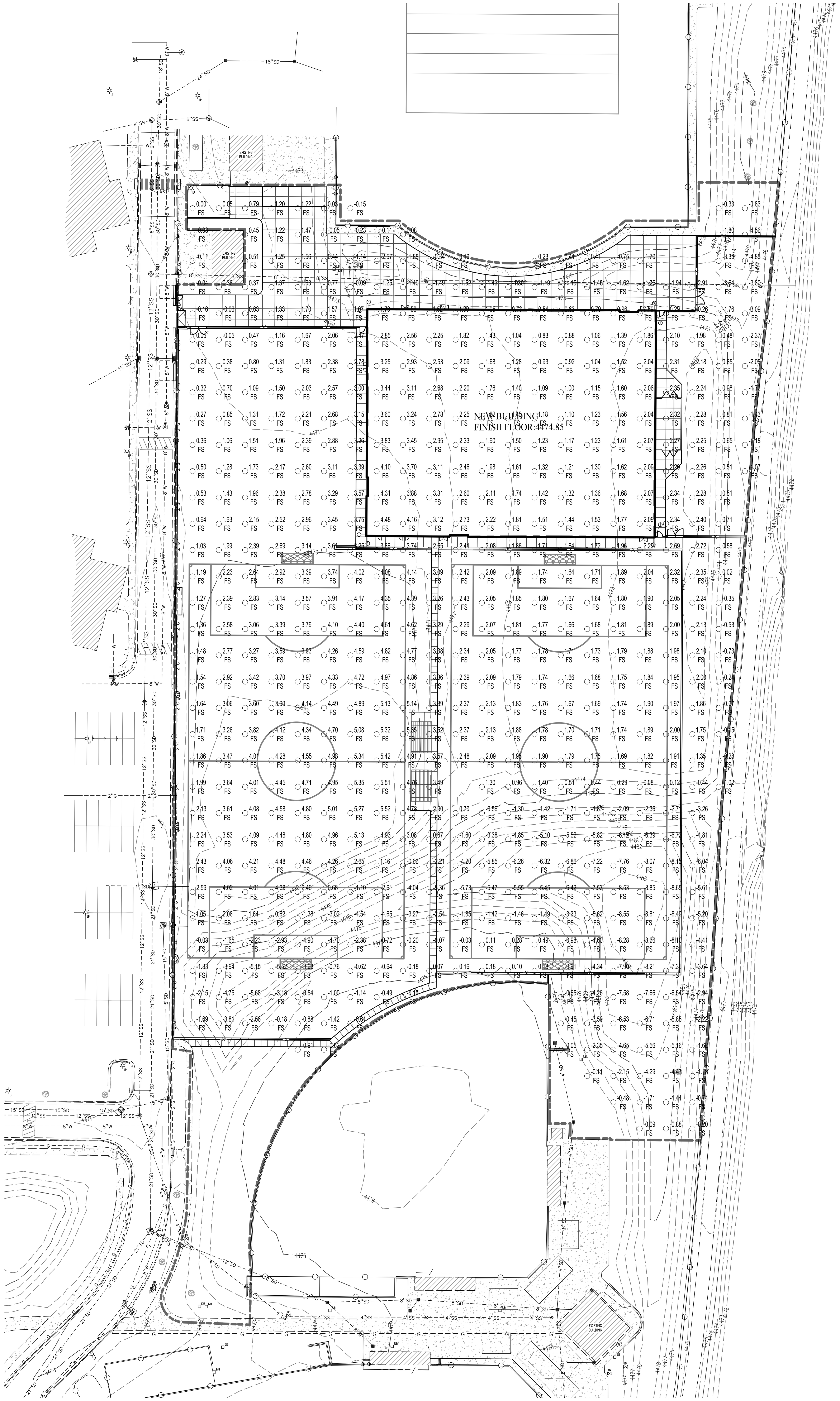
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

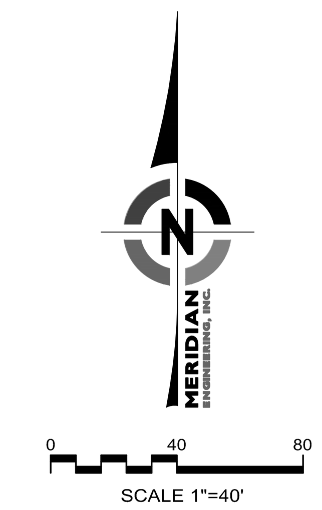
SHEET TITLE

HYDROLOGY PLAN

SHEET NUMBER

CG450





NOTES:

1. SITE EXCAVATION MATERIALS ARE NOT ALLOWED FOR USE BELOW FOOTING, BUILDING SLAB, OR OTHER STRUCTURAL ITEMS ON SITE (REFER TO SPECIFICATIONS.) SITE EXCAVATION MATERIALS CAN BE USED UNDER PAVEMENTS IF THEY MEET THE PROJECT SPECIFICATIONS AND REQUIREMENTS FROM THE GEOTECHNICAL REPORT. THE FILL MATERIAL SHOWN ON THE CALCULATIONS INCLUDED ALL NECESSARY FILL (INCLUSIVE OF PAVEMENT, CONCRETE, BASE COURSE, AND IMPORTED STRUCTURAL FILL.) TO BRING THE SITE TO THE FINISH SURFACE SHOWN ON THE GRADING PLANS. ADDITIONAL EXCAVATION IS REQUIRED IN CUT AREAS TO EXCAVATE TO THE NECESSARY SUBGRADE ELEVATIONS FOR THE NEW PAVEMENT.
2. ANY TOP SOIL ON THE SITE IS ASSUMED TO BE REMOVED AND REUSED AT THE TOP OF THE GRASS PLAY FIELD, AND OTHER LANDSCAPE AREAS AS INDICATED ON THE LANDSCAPE PLANS. CONTRACTOR SHALL STRIP THE TOP OF MATERIAL AS OUTLINED IN THE SPECIFICATIONS AND LANDSCAPE PLAN PRIOR TO ANY EXCAVATIONS OR BACKFILLING. SCREEN ALL TOPSOIL IN ACCORDANCE WITH LANDSCAPING SPECIFICATIONS PRIOR TO FINAL PLACEMENT OF THE MATERIAL.
3. THE MASS GRADING QUANTITIES ARE CALCULATED TO THE FINISH FLOOR OF THE BUILDING. ALL OTHERS AREAS ARE ALSO CALCULATED TO THE FINISH SURFACE SHOWN ON THE GRADING PLAN INCLUDING PAVEMENT AND TOPSOIL.
4. EXCAVATION FOR BUILDING FOOTINGS, UTILITY TRENCHES, SITE RETAINING WALLS, AND PAVEMENT/SIDEWALK SECTIONS OR OTHER MISCELLANEOUS STRUCTURES ARE NOT INCLUDED IN THE APPROXIMATED MASS GRADING QUANTITIES UNDER ALL SITE PAVEMENT.
5. SEE ATHLETIC ELEMENTS, LANDSCAPE, SPRINKLING AND FENCING PLANS FOR FURTHER INFORMATION AND LOCATIONS OF CONCRETE WORK INCLUDING LARGE SITE SIGNS (MONUMENT, AND VICTORY BELL), VARIOUS MOW STRIPS, COLLARS AND SLABS, ETC.
6. SEE THE FENCING PLANS FOR FURTHER INFORMATION ON BLOCK WALLS, FENCING TYPES, LOCATIONS, GATES, ETC.

LEGEND

1.6	APPROXIMATE FILL TO GRADE (SEE NOTE 3)
-1.6	APPROXIMATE CUT TO GRADE (SEE NOTE 3)

CONTRACTOR BID NOTE:

THESE QUANTITIES ARE PREPARED TO HELP IN THE PREPARATION OF THE GRADING PLAN TO MINIMIZE THE REMOVAL OF MATERIAL FROM THE SITE AND TO APPROXIMATE THE AMOUNT OF MASS GRADING THAT WILL BE NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR WILL NEED TO COMPLETE THEIR OWN EARTHWORK TAKE OFF BASED ON THE GRADING PLANS. THE ACTUAL QUANTITIES OF EARTHWORK MAY VARY FROM THE AMOUNTS SHOWN ON THIS SHEET. THE CONTRACTOR'S BID WILL INCLUDE ALL NECESSARY EARTHWORK TO COMPLETE THE PROJECT TO THE FINISH GRADES SHOWN ON THE GRADING PLANS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

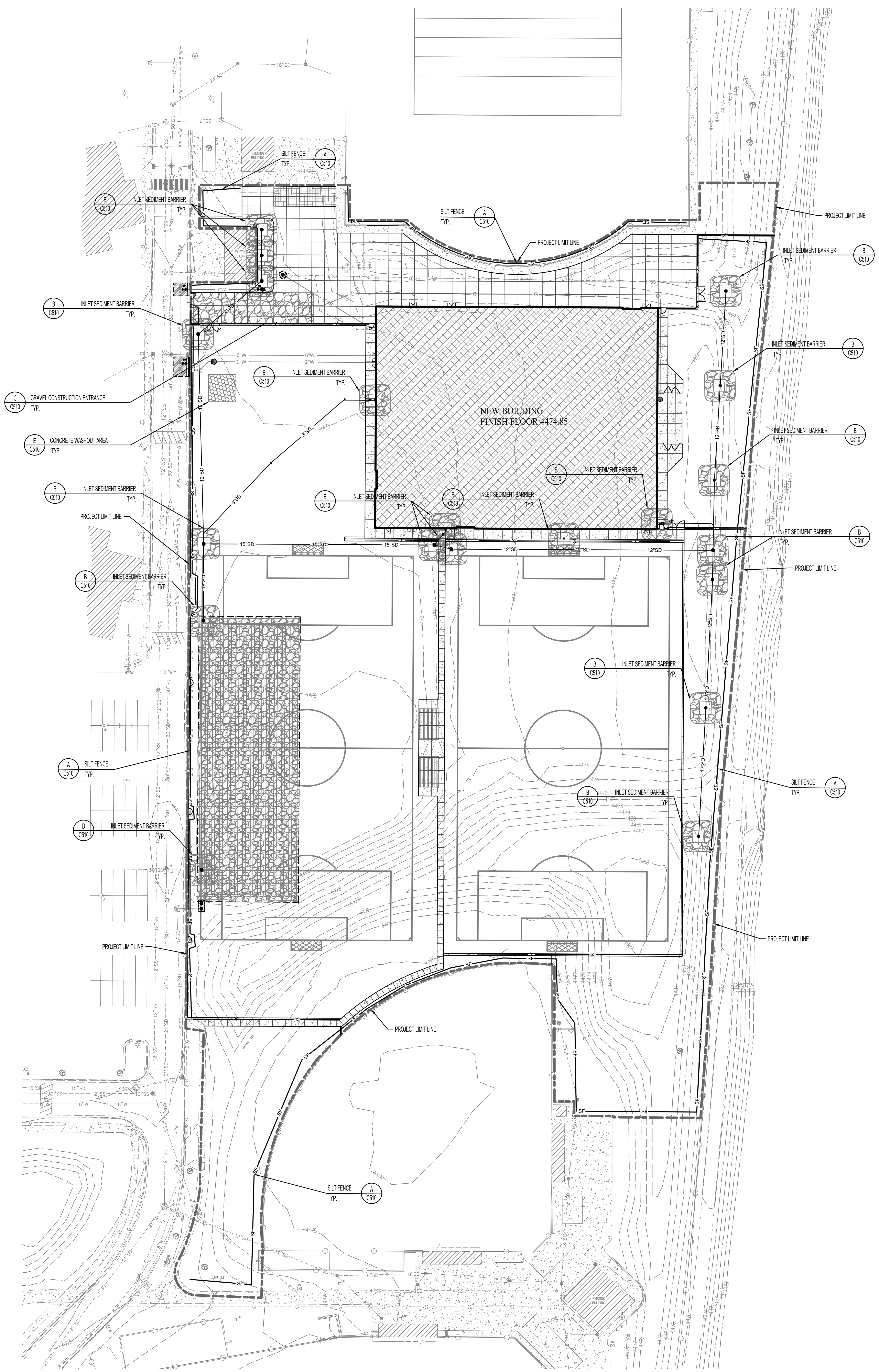
SHEET TITLE

CUT/FILL EXHIBIT

SHEET NUMBER

CG460

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt
9/16/2024 10:06:28 AM



NOTES:

1) THERE ARE ABOUT 6.15 ACRES WITHIN THE PROJECT BOUNDARY THAT WILL BE DISTURBED WITH NEW CONSTRUCTION OR CONTRACTOR STORAGE ACTIVITIES.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

1) FIELD MARK LIMIT OF DISTURBANCE FOR APPROVAL BY DRAPER CITY AND OBTAIN A STORM WATER MANAGEMENT PERMIT AS NEEDED BY DRAPER CITY.
2) INSTALL SILT FENCE AND/OR ENVIRONMENTAL FENCE AROUND PERIMETER OF PROJECT AS INDICATED ON THIS PLAN SHEET.
3) INSTALL SEDIMENT CONTROL MEASURES INDICATED IN ALL EXISTING STORM DRAIN INLETS ADJACENT TO THE CONSTRUCTION SITE.
4) CONTRACTOR WILL BEGIN DEMOLITION, GRADING, EXCAVATION, AND CONSTRUCTING UTILITY SITE IMPROVEMENTS. AS NEW DRAINAGE ELEMENTS ARE COMPLETED, CONSTRUCT SEDIMENT PROTECTION AT ALL NEW INLETS.
5) AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE STABILIZED WITH SOD IN LANDSCAPED AREAS AND PAVEMENT IN PARKING AND DRIVEWAY AREAS. SITE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION ACTIVATES TO BE COMPLETED WITHIN 21 DAYS OF FINISHING AN AREA TO THE FINAL LINES AND GRADES INDICATED ON THE GRADING PLAN.
6) UPON LANDSCAPE ESTABLISHMENT, REMOVE TEMPORARY MEASURE & CLEAN STORM DRAIN SYSTEM PRIOR TO RELEASE OF SYSTEM TO THE OWNER.

RUNOFF COEFFICIENTS AND DISCHARGE:

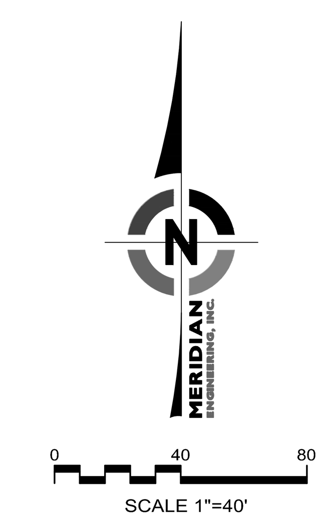
1) THE EXISTING RUNOFF COEFFICIENT FOR THE PROJECT AREA IS ESTIMATED TO BE 0.20. THE NEW RUNOFF COEFFICIENT WILL BE APPROXIMATELY 0.52 FOR THE NEW IMPROVEMENTS.
2) RUNOFF WILL BE COLLECTED ON SITE AND DETAINED IN AN UNDERGROUND DETENTION SYSTEM.

POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES:

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

GENERAL STORM WATER POLLUTION CONTROL NOTES:

1) SEE C510 FOR STORM WATER POLLUTION CONTROL NOTES AND GENERAL PRACTICES.
2) ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
3) CONTRACTOR SHALL BE REQUIRED TO KEEP RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.



CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

STATE OF UTAH
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 6023535

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: NLL
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

EROSION CONTROL PLAN

Blue Stakes of UTAH 811

SHEET NUMBER

C500

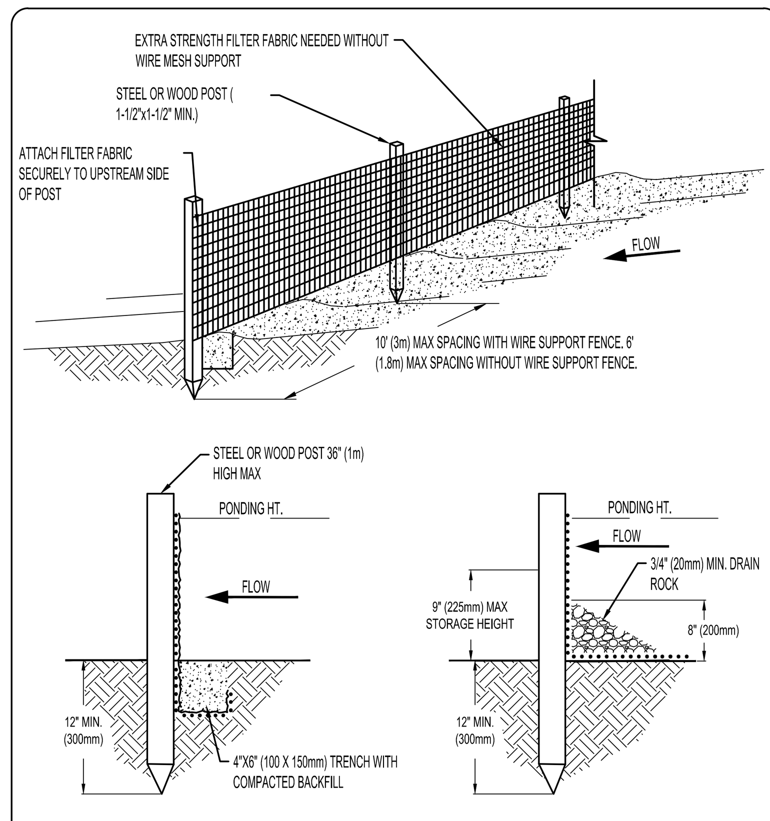
CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES

SILT FENCES. INSTALLATION OF SILT FENCES NOTE:

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

EROSION CONTROL GENERAL NOTES:

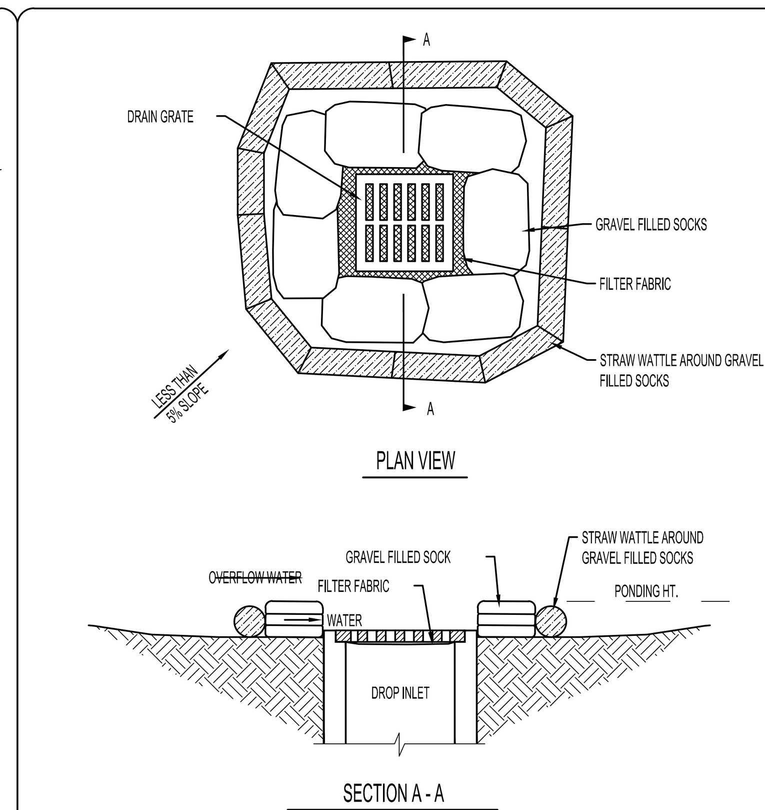
1. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN.
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN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



NOTES:

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

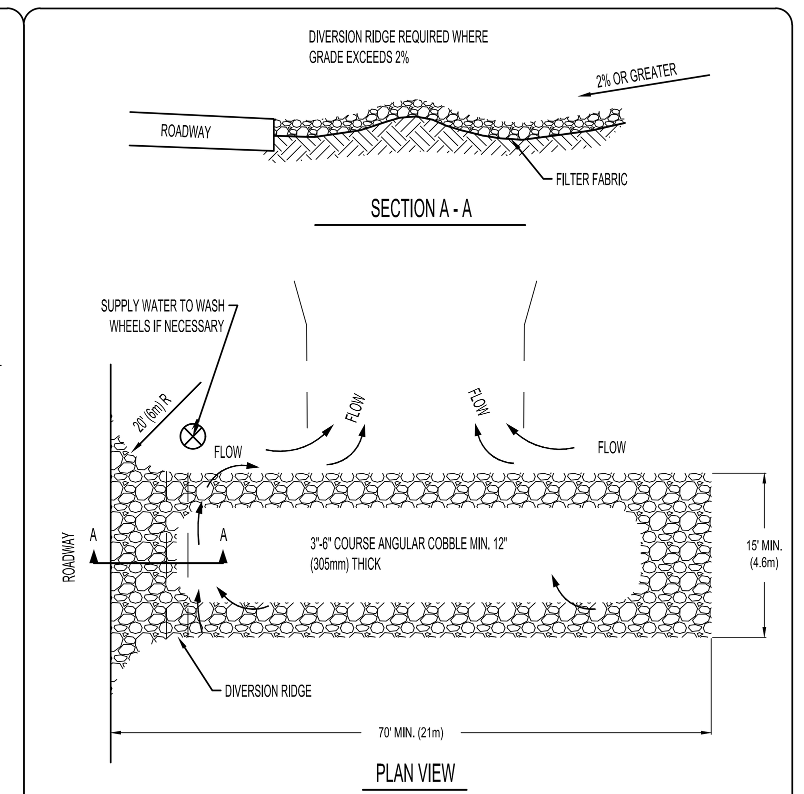
SILT FENCE (A)
N.T.S.



NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%).
2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN SLOPE SIDE OF THE STRUCTURE.

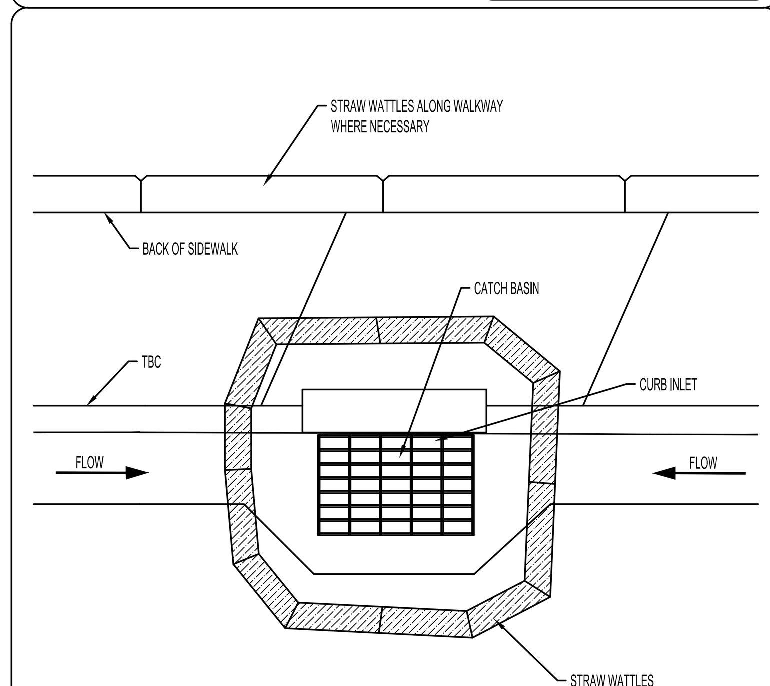
INLET SEDIMENT BARRIER (B)



NOTES:

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

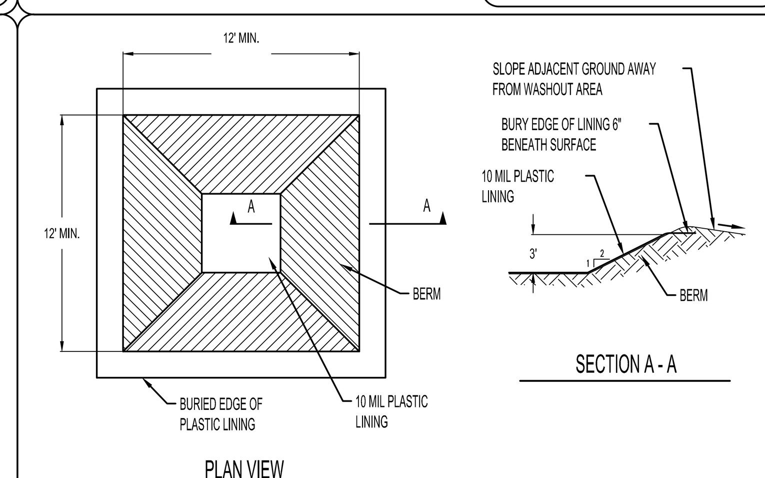
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT (C)



NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LEES THAN 5%)
2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN THE SLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN SLOPE SIDE OF THE STRUCTURE.

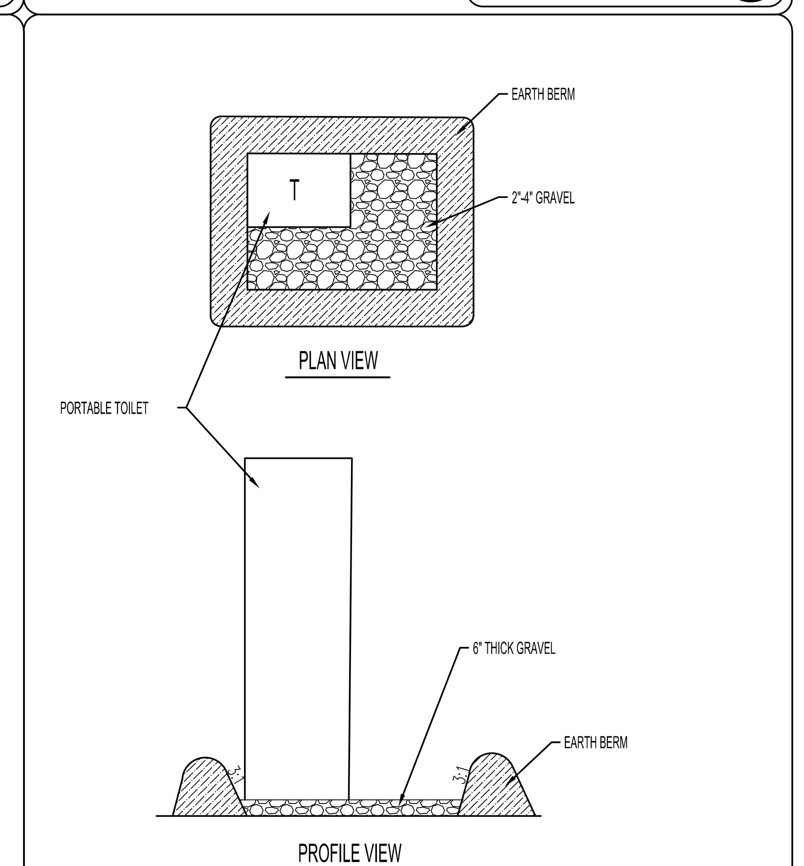
CURB AND GUTTER INLET SEDIMENT BARRIER (D)



NOTES:

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

CONCRETE WASHOUT AREA (E)



NOTES:

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

PORTABLE TOILET BARRIER (F)

LIMIT OF DISTURBANCE NOTES:

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

CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES NOTES:

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STATE OF UTAH LICENSED ENGINEER
DATE ISSUED: 09/12/2024
NICHOLE LEE LUTHI
No. 8023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE (801) 569-1315 FAX (801) 5691319

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD
BP-3

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS

BID SET

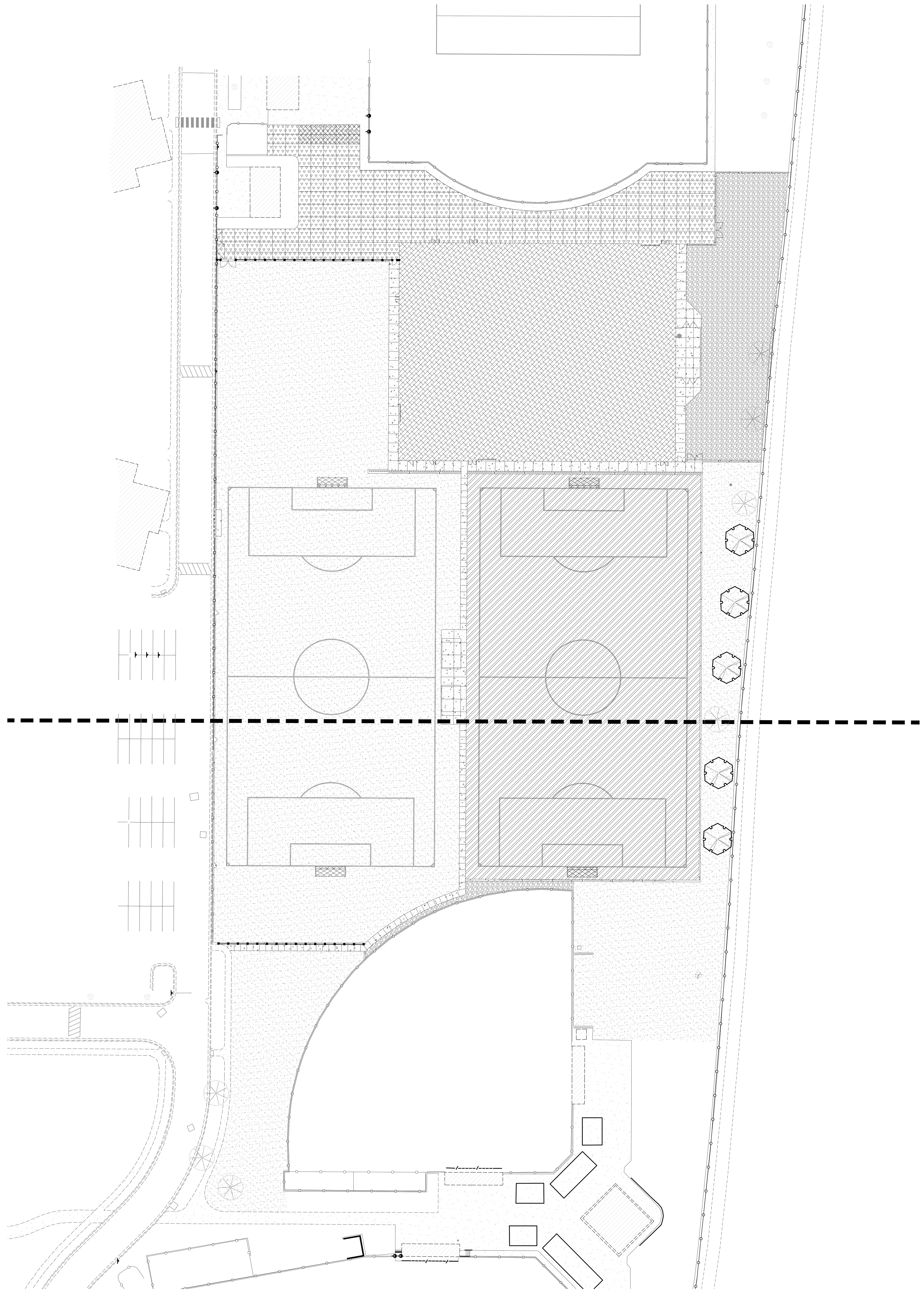
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

EROSION CONTROL DETAILS

SHEET NUMBER

C510



TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ACER TRUNCATUM X A. PLATANOIDES 'KEITHSFORM' NORWEGIAN SUNSET NORWEGIAN SUNSET MAPLE	8	3" CAL
	EXISTING TREE TO REMAIN	EXISTING	
	EXISTING TREE TO REMOVE	EXISTING	

TURF/INERT MATERIAL LEGEND

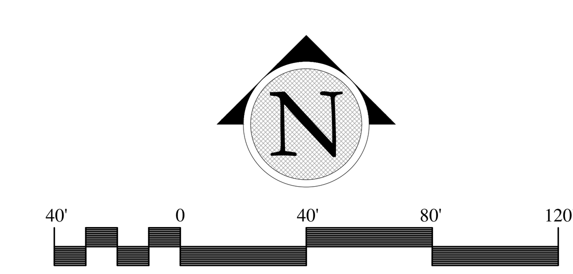
SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	NEW LAWN AREA: KENTUCKY BLUE GRASS BLEND: MIN. 3 VARIETIES. SUBMIT CUT SHEET OF SOURCE AND BLEND FOR APPROVAL PRIOR TO INSTALLATION. SEE SOD SPEC FOR PROPER INSTALLATION DETAILS AND METHODS.	130,905 S.F.	SOD
	NEW ARTIFICIAL TURF AREA (N.I.C.) TO BE INSTALLED BY OWNER	59,382 S.F.	PER OWNER
	PLANTING BEDS TO BE 6" DEPTH OF SOUTHTOWN ROCK MULCH, AVAILABLE THROUGH STAKER PARSONS OR UTAH LANDSCAPE ROCK. ROCK TO BE DOUBLE WASHED PRIOR TO PLACING ROCK ON TOP OF WEED BARRIER FABRIC. INSTALL A 1" LAYER OF $\frac{3}{4}$"-1" ROCK TO COVER FABRIC AFTERWHICH A 5" LAYER OF 2-4" ROCK SHALL BE INSTALLED. SEE DETAIL 12 ON SHEET LS300 FOR ADDITIONAL INSTALLATION INSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.	14,822 S.F.	2"-4" ROCK MULCH

LANDSCAPE NOTES

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE.
2. PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
3. NEW AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED FOR NEW LANDSCAPE AREAS PER PLANS. SEE IRRIGATION PLANS FOR EXACT LAYOUT.
4. NEW LAWN AREAS TO BE SODDED. FINE LEVEL ALL AREAS PRIOR TO LAYING SOD. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
5. TOPSOIL TO BE INSTALLED PER SPECS. LAWN AND PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ACCOMMODATE TOPSOIL, AMENDMENTS AND ROCK MULCH TO REACH FINISHED GRADE.
6. DEWITT 5 OZ. WEED BARRIER FABRIC TO BE INSTALLED IN ALL PLANTER AREAS UNDER ROCK MULCH. ROCK MULCH TO BE IMPLEMENTED PER LEGEND.
7. ALL TREES TO BE STAKED AT TIME OF PLANTING. SEE TREE STAKING DETAILS FOR SPECIFICS. REMOVE STAKING WITHIN FIRST YEAR OR WHEN TREE IS ESTABLISHED.
8. SEE FINISH GRADING AND SOIL PREPARATION SPEC SECTION FOR TOPSOIL REQUIREMENTS FOR ALL LAWN AND PLANTER AREAS.
9. SEE CIVIL PLANS FOR ALL GRADING AND DRAINAGE INFORMATION.
10. SEE ARCHITECTS AND CIVIL PLANS FOR ALL BUILDINGS AND SITE HARDSCAPING INCLUDING BUT NOT LIMITED TO WALKWAYS, CONCRETE, RETAINING WALLS, SPORTS NET FENCING, ARTIFICIAL TURF, ETC.
11. CONTRACTOR SHALL PATCH AND REPAIR LAWN AND IRRIGATION AROUND THE EDGES OF THE PROJECT LIMIT LINE AS NECESSARY. CONTRACTOR SHALL REMOVE GRASS, LANDSCAPING AND IRRIGATION AS NECESSARY FOR INSTALLATION OF THE NEW PROJECT ELEMENTS.

SOD LAYING NOTES

1. LAY SOD WITHIN 24 HOURS OF BEING LIFTED.
2. LAY SOD IN ROWS WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
3. LAY SOD FLUSH WITH ADJOINING EXISTING SODDED OR PAVED SURFACES.
4. AFTER SODDING HAS BEEN COMPLETED, ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER WITH A 150 POUND SOD ROLLER. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED.
5. WATER ALL SODDED AREAS IMMEDIATELY AFTER SOD LAYING TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 4" OF TOPSOIL.
6. PROVIDE ADEQUATE PROTECTION OF SODDED AREAS AGAINST TRESPASSING, EROSION AND DAMAGE OF ANY KIND. REMOVE THIS PROTECTION AFTER SODDED AREAS HAVE BEEN ACCEPTED BY THE OWNER.
7. REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.



SCALE: 1"=40'-0" ON 30X42 SHEET

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT LICENSED # 4884514 Cory B. Whiting 09-12-24 STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEP 12, 2024
PROJECT #:	24-013
PM / PA:	CBW
PIC:	HAH

DRAWING SET STATUS

BID SET

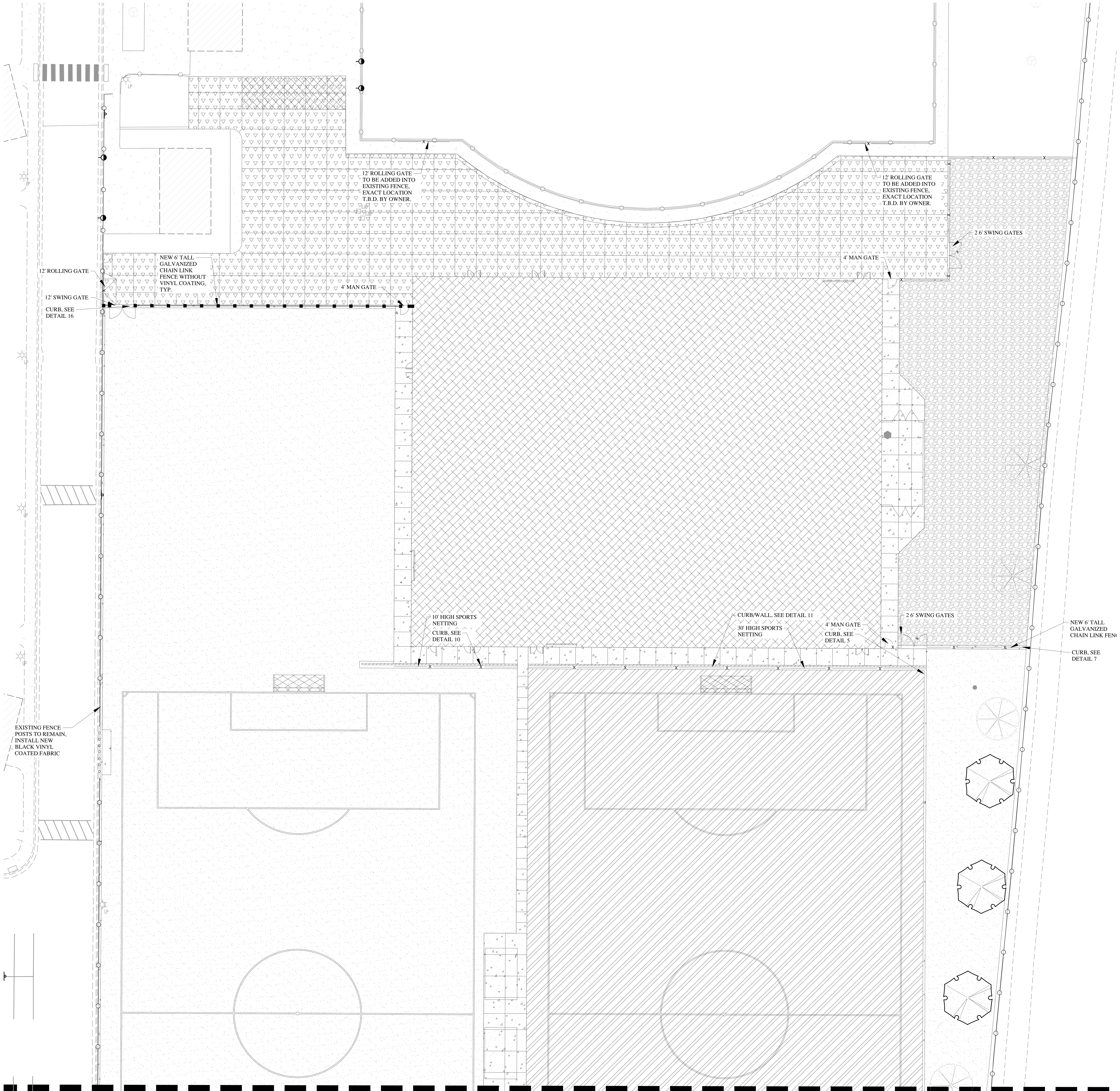
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL LANDSCAPE PLAN

SHEET NUMBER

LS100



SEE SHEET LS102

TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ACER TRUNCATUM X A. PLATANOIDES 'KEITHSFORM' NORWEGIAN SUNSET NORWEGIAN SUNSET MAPLE	8	3" CAL
	EXISTING TREE TO REMAIN	EXISTING	
	EXISTING TREE TO REMOVE	EXISTING	

TURF/INERT MATERIAL LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	NEW LAWN AREA: KENTUCKY BLUE GRASS BLEND: MIN. 3 VARIETIES. SUBMIT CUT SHEET OF SOURCE AND BLEND FOR APPROVAL PRIOR TO INSTALLATION. SEE SOD SPEC FOR PROPER INSTALLATION DETAILS AND METHODS.	130,905 S.F.	SOD
	NEW ARTIFICIAL TURF AREA (N.I.C.) TO BE INSTALLED BY OWNER	59,382 S.F.	PER OWNER
	PLANTING BEDS TO BE 6" DEPTH OF SOUTHTOWN ROCK MULCH, AVAILABLE THROUGH STAKER PARSONS OR UTAH LANDSCAPE ROCK. ROCK TO BE DOUBLE WASHED PRIOR TO PLACING ROCK ON TOP OF WEED BARRIER FABRIC. INSTALL A 1" LAYER OF $\frac{3}{4}$"-1" ROCK TO COVER FABRIC AFTERWHICH A 5" LAYER OF 2-4" ROCK SHALL BE INSTALLED. SEE DETAIL 12 ON SHEET LS300 FOR ADDITIONAL INSTALLATION INSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.	14,822 S.F.	2"-4" ROCK MULCH

LANDSCAPE NOTES

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE.
2. PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
3. NEW AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED FOR NEW LANDSCAPE AREAS PER PLANS. SEE IRRIGATION PLANS FOR EXACT LAYOUT.
4. NEW LAWN AREAS TO BE SODDED. FINE LEVEL ALL AREAS PRIOR TO LAYING SOD. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
5. TOPSOIL TO BE INSTALLED PER SPECS. LAWN AND PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ACCOMMODATE TOPSOIL, AMENDMENTS AND ROCK MULCH TO REACH FINISHED GRADE.
6. DEWITT 5 OZ. WEED BARRIER FABRIC TO BE INSTALLED IN ALL PLANTER AREAS UNDER ROCK MULCH. ROCK MULCH TO BE IMPLEMENTED PER LEGEND.
7. ALL TREES TO BE STAKED AT TIME OF PLANTING. SEE TREE STAKING DETAILS FOR SPECIFICS. REMOVE STAKING WITHIN FIRST YEAR OR WHEN TREE IS ESTABLISHED.
8. SEE FINISH GRADING AND SOIL PREPARATION SPEC SECTION FOR TOPSOIL REQUIREMENTS FOR ALL LAWN AND PLANTER AREAS.
9. SEE CIVIL PLANS FOR ALL GRADING AND DRAINAGE INFORMATION.
10. SEE ARCHITECTS AND CIVIL PLANS FOR ALL BUILDINGS AND SITE HARDSCAPING INCLUDING BUT NOT LIMITED TO WALKWAYS, CONCRETE, RETAINING WALLS, SPORTS NET FENCING, ARTIFICIAL TURF, ETC.
11. CONTRACTOR SHALL PATCH AND REPAIR LAWN AND IRRIGATION AROUND THE EDGES OF THE PROJECT LIMIT LINE AS NECESSARY. CONTRACTOR SHALL REMOVE GRASS, LANDSCAPING AND IRRIGATION AS NECESSARY FOR INSTALLATION OF THE NEW PROJECT ELEMENTS.

SOD LAYING NOTES

1. LAY SOD WITHIN 24 HOURS OF BEING LIFTED.
2. LAY SOD IN ROWS WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
3. LAY SOD FLUSH WITH ADJOINING EXISTING SODDED OR PAVED SURFACES.
4. AFTER SODDING HAS BEEN COMPLETED, ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER WITH A 150 POUND SOD ROLLER. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED.
5. WATER ALL SODDED AREAS IMMEDIATELY AFTER SOD LAYING TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 4" OF TOPSOIL.
6. PROVIDE ADEQUATE PROTECTION OF SODDED AREAS AGAINST TRESPASSING, EROSION AND DAMAGE OF ANY KIND. REMOVE THIS PROTECTION AFTER SODDED AREAS HAVE BEEN ACCEPTED BY THE OWNER.
7. REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.

N

20' 0 20' 40' 60'

SCALE: 1"=20'-0" ON 30X42 SHEET

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT # 4884514 Cory B. Whiting 09-12-24 LICENSED STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEP 12, 2024
PROJECT #:	24-013
PM / PA:	CBW
PIC:	HAH

DRAWING SET STATUS

BID SET

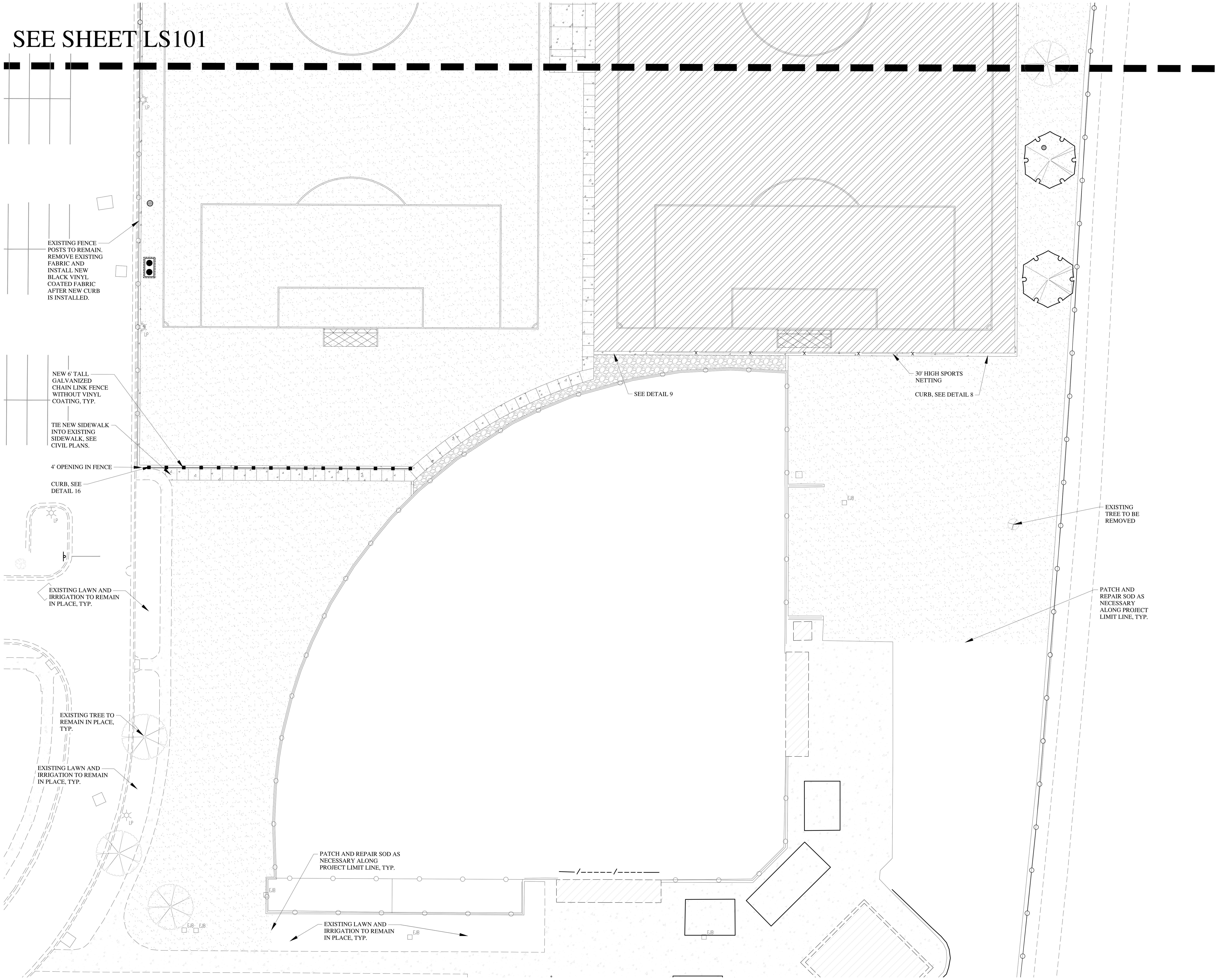
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

LANDSCAPE PLAN

SHEET NUMBER

LS101



TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ACER TRUNCATUM X A. PLATANOIDES 'KEITHSFORM' NORWEGIAN SUNSET NORWEGIAN SUNSET MAPLE	8	3" CAL
	EXISTING TREE TO REMAIN	EXISTING	
	EXISTING TREE TO REMOVE	EXISTING	

TURF/INERT MATERIAL LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	NEW LAWN AREA: KENTUCKY BLUE GRASS BLEND: MIN. 3 VARIETIES. SUBMIT CUT SHEET OF SOURCE AND BLEND FOR APPROVAL PRIOR TO INSTALLATION. SEE SOD SPEC FOR PROPER INSTALLATION DETAILS AND METHODS.	130,905 S.F.	SOD
	NEW ARTIFICIAL TURF AREA (N.I.C.) TO BE INSTALLED BY OWNER	59,382 S.F.	PER OWNER
	PLANTING BEDS TO BE 6" DEPTH OF SOUTHTOWN ROCK MULCH, AVAILABLE THROUGH STAKER PARSONS OR UTAH LANDSCAPE ROCK. ROCK TO BE DOUBLE WASHED PRIOR TO PLACING ROCK ON TOP OF WEED BARRIER FABRIC. INSTALL A 1" LAYER OF $\frac{3}{4}$"-1" ROCK TO COVER FABRIC AFTERWHICH A 5" LAYER OF 2-4" ROCK SHALL BE INSTALLED. SEE DETAIL 12 ON SHEET LS300 FOR ADDITIONAL INSTALLATION INSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.	14,822 S.F.	2"-4" ROCK MULCH

LANDSCAPE NOTES

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE.
2. PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
3. NEW AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED FOR NEW LANDSCAPE AREAS PER PLANS. SEE IRRIGATION PLANS FOR EXACT LAYOUT.
4. NEW LAWN AREAS TO BE SODDED. FINE LEVEL ALL AREAS PRIOR TO LAYING SOD. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
5. TOPSOIL TO BE INSTALLED PER SPECS. LAWN AND PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ACCOMMODATE TOPSOIL, AMENDMENTS AND ROCK MULCH TO REACH FINISHED GRADE.
6. DEWITT 5 OZ. WEED BARRIER FABRIC TO BE INSTALLED IN ALL PLANTER AREAS UNDER ROCK MULCH. ROCK MULCH TO BE IMPLEMENTED PER LEGEND.
7. ALL TREES TO BE STAKED AT TIME OF PLANTING. SEE TREE STAKING DETAILS FOR SPECIFICS. REMOVE STAKING WITHIN FIRST YEAR OR WHEN TREE IS ESTABLISHED.
8. SEE FINISH GRADING AND SOIL PREPARATION SPEC SECTION FOR TOPSOIL REQUIREMENTS FOR ALL LAWN AND PLANTER AREAS.
9. SEE CIVIL PLANS FOR ALL GRADING AND DRAINAGE INFORMATION.
10. SEE ARCHITECTS AND CIVIL PLANS FOR ALL BUILDINGS AND SITE HARDSCAPING INCLUDING BUT NOT LIMITED TO WALKWAYS, CONCRETE, RETAINING WALLS, SPORTS NET FENCING, ARTIFICIAL TURF, ETC.
11. CONTRACTOR SHALL PATCH AND REPAIR LAWN AND IRRIGATION AROUND THE EDGES OF THE PROJECT LIMIT LINE AS NECESSARY. CONTRACTOR SHALL REMOVE GRASS, LANDSCAPING AND IRRIGATION AS NECESSARY FOR INSTALLATION OF THE NEW PROJECT ELEMENTS.

SOD LAYING NOTES

1. LAY SOD WITHIN 24 HOURS OF BEING LIFTED.
2. LAY SOD IN ROWS WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
3. LAY SOD FLUSH WITH ADJOINING EXISTING SODDED OR PAVED SURFACES.
4. AFTER SODDING HAS BEEN COMPLETED, ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER WITH A 150 POUND SOD ROLLER. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED.
5. WATER ALL SODDED AREAS IMMEDIATELY AFTER SOD LAYING TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 4" OF TOPSOIL.
6. PROVIDE ADEQUATE PROTECTION OF SODDED AREAS AGAINST TRESPASSING, EROSION AND DAMAGE OF ANY KIND. REMOVE THIS PROTECTION AFTER SODDED AREAS HAVE BEEN ACCEPTED BY THE OWNER.
7. REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.

N

20' 0 20' 40' 60'

SCALE: 1"=20'-0" ON 30X42 SHEET

CALL BEFORE YOU DIG! IT'S THE LAW
BLUE STAKES 1 800 662 4111

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT LICENSED # 4884514 Cory B. Whiting 09-12-24 STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

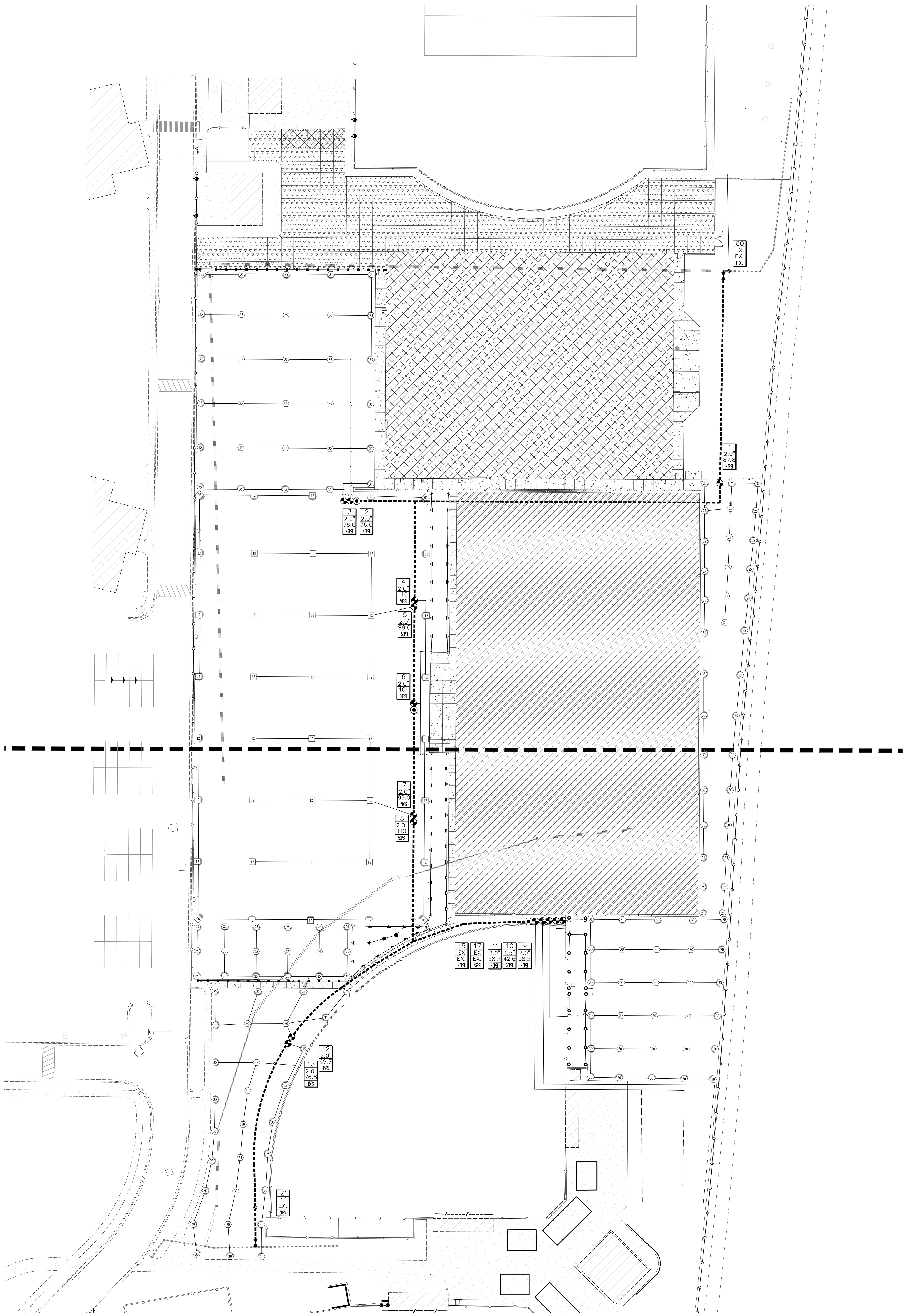
LANDSCAPE PLAN

SHEET NUMBER

LS102

1 2 3 4 5 6 7

A B C D E



IRRIGATION LEGEND

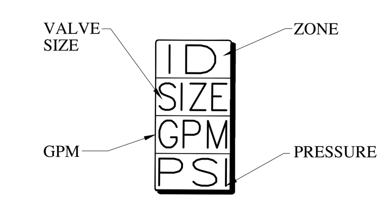
SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM Q	GPM T	GPM H	GPM TT	GPM TQ	GPM F	DRIP GPH	DETAILS	REMARKS
	RAIN BIRD 1806-PRS POP-UP SPRAY 8 SERIES	Q, HE-VAN	8'	30	.26	--	--	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 10 SERIES	H,F	10'	30	--	--	.79	--	--	1.58	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 12SERIES	H,F	12'	30	--	--	1.30	--	--	2.60	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 15 SERIES	Q, H, F, HE-VAN	15'	30	0.92	--	1.85	--	2.78	3.70	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 18 SERIES	HE-VAN	18'	30	1.33	--	2.66	--	--	--	--	11	
25 25 25	RAIN BIRD 5006-PL-R-SS WITH MPR 25 SERIES NOZZLES	Q,T,H,F	25'	45	1.00	1.38	1.98	--	--	3.82	--	12	ADJUST ARC AS NEEDED
30 30 30	RAIN BIRD 5006-PL-R-SS WITH MPR 30 SERIES NOZZLES	Q,T,H,F	30'	45	1.40	1.85	2.96	--	--	5.78	--	12	ADJUST ARC AS NEEDED
35 35 35	RAIN BIRD 5006-PL-R-SS WITH MPR 35 SERIES NOZZLES	Q,T,H,F	35'	45	1.92	2.46	3.81	--	--	--	--	12	ADJUST ARC AS NEEDED
06	RAIN BIRD FALCON 6504 SS	Q	44'	50	5.5	--	--	--	--	--	--	12	ADJUST ARC AS NEEDED
12 12	RAIN BIRD FALCON 6504 SS	H, F	50'	50	--	--	11	--	--	11	--	12	ADJUST ARC AS NEEDED
	EXISTING VALVES TO BE RELOCATED											13, 14	
	NEW RAINBIRD PESB VALVE, SIZE PER PLAN											13, 14	JUMBO VALVE BOX
	EXISTING 3" SCH. 40 PVC MAINLINE TO BE REMOVED											--	
	EXISTING 3" SCH. 40 PVC MAINLINE TO REMAIN. MODIFY EXISTING MAINLINE PER PLANS											--	FIELD VERIFY EXACT LOCATION
	NEW 3" SCH. 40 PVC MAINLINE WITH LEEMCO FITTINGS AND JOINT RESTRAINTS UNLESS OTHERWISE NOTED. ALL MAINLINE SMALLER THAN 3" SHALL ALSO BE SCH. 40 PVC BUT SHALL HAVE SCH. 80 FITTINGS.											1, 2, 4, 5, 13	SEE IRRIGATION DETAILS
	LATERAL LINE: PVC SCH. 40 (SIZE PER PLAN)											1, 4	SEE IRRIGATION DETAILS
	EXISTING LATERAL LINE												SEE PLAN
	1" RAINBIRD QUICK COUPLER VALVE, MODEL #44NP. FOR IRRIGATION SYSTEM BLOWOUT. ALL STAINLESS STEEL FITTINGS & PIPE.											9	SEE IRRIGATION DETAILS
	3" LEEMCO FLANGED ISOLATION VALVE WITH 2" SQUARE NUT (INSTALL MANUAL DRAIN AT EACH ISOLATION VALVE)											5	SEE IRRIGATION DETAILS
NOT SHOWN	DOUBLE JACKETED 2-WIRE CABLE PER CALSENSE SPECS.											1, 4, 15, 16	ROUTE WITH MAINLINE
	SLEEVE (SIZE TO BE A MIN. OF TWICE THE DIAMETER OF THE MAIN, LATERAL)											3	COORDINATE WITH ALL TRADES
NOT SHOWN	WIRE CHASE, SIZE TO BE TWICE THE DIAMETER OF THE WIRE BUNDLE WITHIN, 1" DIA. WC IS THE MINIMUM SIZED ALLOWED.											1, 4, 15, 16	COORDINATE WITH ALL TRADES

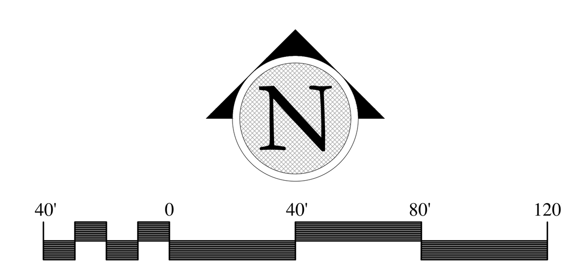
IRRIGATION NOTES

1. SEE SHEETS LS4.0 FOR IRRIGATION DETAILS. SEE SPECS FOR ADDITIONAL IRRIGATION INSTALLATION PROCEDURES.
2. EXISTING AND NEW VALVES TO BE CONNECTED TO EXISTING CALSENSE 2-WIRE CONTROLLER. INSTALL NEW 2-WIRE AS NECESSARY. RE-USE EXISTING DECODERS FROM EXISTING VALVES THAT ARE TO BE REMOVED.
3. ALL VALVES, VALVE BOXES, DRAINS, AND BOTH ENDS OF SLEEVES SHALL HAVE GPS POINTS TO CREATE AN GPS AS-BUILT DOCUMENT. CONSULT WITH THE OWNER FOR THE DELIVERABLE TYPE REQUIRED. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
4. ALL MAINLINE 3" AND LARGER SHALL HAVE LEEMCO FITTINGS WITH JOINT RESTRAINTS. ALL MAINLINE SMALLER THAN 3" SHALL BE SCH 40 PVC WITH SCHEDULE 80 FITTINGS. SIZE MAINLINE PER PLAN. LATERAL LINES SHALL BE NO SMALLER THAN 3/4". MAINLINE AND LATERAL LINE LAYOUT IS SCHEMATIC. ADJUST LOCATION OF MAINLINE AND LATERAL LINES AS NECESSARY IN ORDER TO AVOID TREES AND OTHER OBSTRUCTIONS AS WELL AS NEW TREES OR SHRUBS PLANTINGS. PIPES SHALL CARRY NO MORE THAN THE FOLLOWING: 3/4" PIPE MAX. 8 GPM, 1" PIPE MAX. 13 GPM, 1-1/4" PIPE MAX. 23 GPM, 1-1/2" PIPE MAX. 30 GPM, 2" PIPE MAX. 50 GPM, 2-1/2" PIPE MAX. 75 GPM, 3" PIPE MAX. 110 GPM.
5. CONTRACTOR SHALL HAVE ALL UTILITIES BLUE STAKED BEFORE DIGGING. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR WITH NO EXTRA COST TO THE OWNER.
6. INSTALL ALL NEW VALVE BOXES 6" MIN. FROM WALKS AND WALLS SQUARED WITH THE WALK. PLACE VALVE BOXES IN PLANTER BEDS WHEN POSSIBLE. ROUND VALVE BOXES ARE NOT ALLOWED. CONTRACTOR SHALL ONLY USE COMMERCIAL GRADE RAINBIRD PRODUCTS OR AN OWNER APPROVED EQUAL EXISTING VALVE BOXES MAY BE USED IF THEY ARE NOT DAMAGED. ANY DAMAGED BOXES AND/OR LIDS SHALL BE REPLACED BY THE CONTRACTOR.
7. CONTRACTOR MAY MAKE SUBSTITUTIONS TO IRRIGATION COMPONENTS ONLY UPON WRITTEN APPROVAL FROM THE SCHOOL DISTRICT. IF CONTRACTOR ELECTS TO USE DIFFERENT COMPONENTS THAN WHAT IS CALLED FOR, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A NEW DESIGN SHOWING HOW NEW COMPONENTS MEET OR EXCEED THE EXISTING DESIGN STANDARD SET FORTH IN THESE CONSTRUCTION DOCUMENTS.
8. CONTRACTOR IS RESPONSIBLE FOR ENSURING ACCURATE COUNTS AND QUANTITIES OF ALL IRRIGATION MATERIALS FOR BIDDING AND INSTALLATION PURPOSES.
9. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CITY AND/OR COUNTY CODES. THE LANDSCAPE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS.
10. ACTUAL INSTALLATION OF IRRIGATION SYSTEM MAY VARY SOMEWHAT FROM PLANS. CONTRACTOR IS RESPONSIBLE TO MAKE NECESSARY ADJUSTMENTS AS NEEDED TO ENSURE PROPER COVERAGE OF ALL LANDSCAPED AREAS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
11. INSTALL SCH. 40 ELECTRICAL WIRING CONDUIT BETWEEN ALL IRRIGATION BOXES FOR NEW 2-WIRE, TYP.
12. REMOVE ALL EXISTING VALVES, HEADS, AND PIPING FOR ZONES 1-14, 16, 81-83, 100-102
13. MODIFY EXISTING ZONES 15, 17, 21, 80. REMOVE HEADS AND RE-PIPE TO ACCOMMODATE CHANGES.

VALVE ID TAGS

EXISTING, RELOCATED, OR NEW VALVE:





SCALE: 1"=40'-0" ON 30X42 SHEET

CALL BEFORE YOU DIG! IT'S THE LAW BLUE STAKES 1 800 662 4111

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT # 4884514 Cory B. Whiting 09-12-24 LICENSED STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

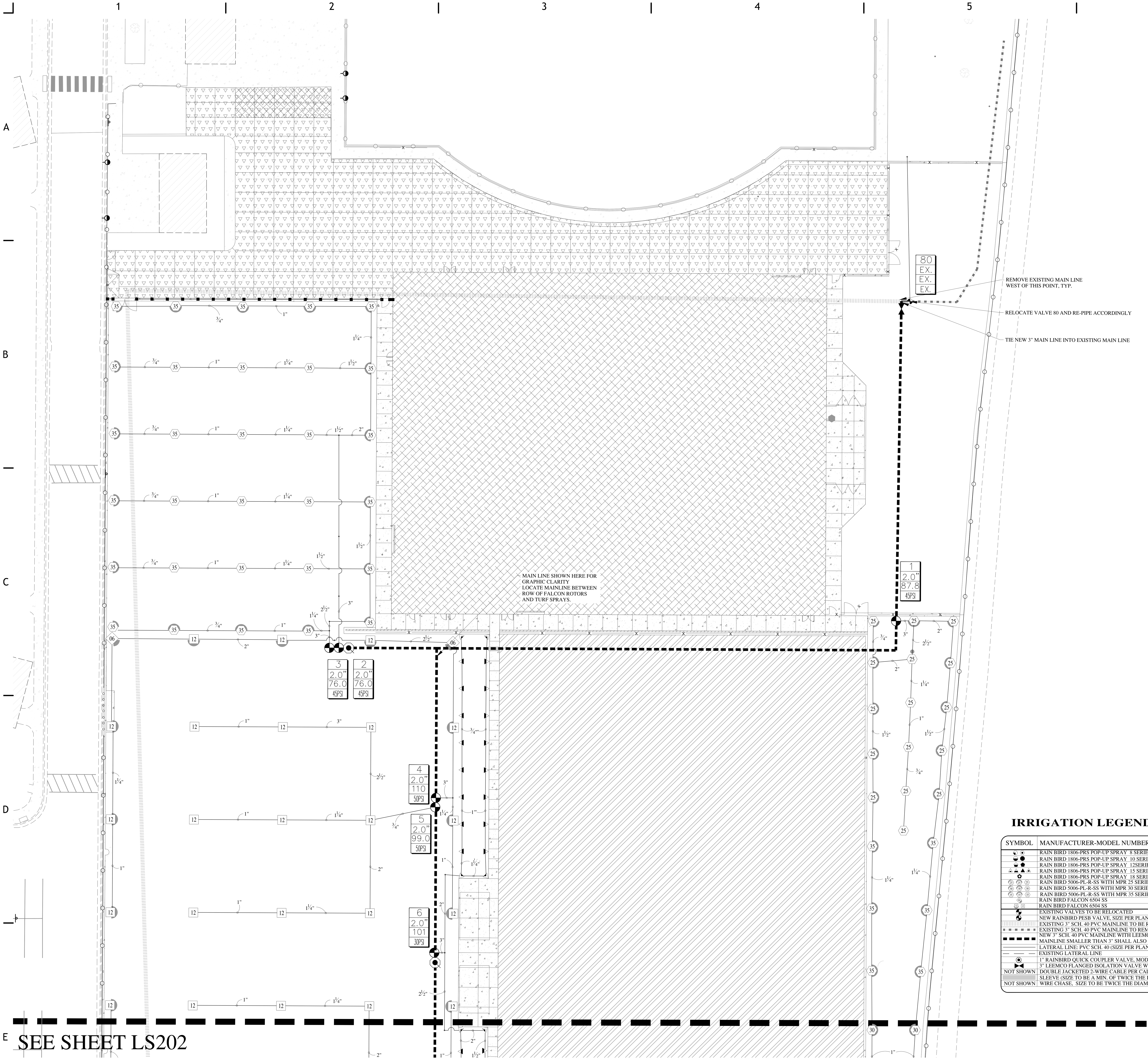
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL IRRIGATION PLAN

SHEET NUMBER

LS200



VALVE ID TAGS

EXISTING, RELOCATED, OR NEW VALVE:

VALVE SIZE — ID — ZONE
SIZE
GPM — GPM
PSI — PRESSURE

IRRIGATION NOTES

1. SEE SHEETS LS4.0 FOR IRRIGATION DETAILS. SEE SPECS FOR ADDITIONAL IRRIGATION INSTALLATION PROCEDURES.
2. EXISTING AND NEW VALVES TO BE CONNECTED TO EXISTING CALSENSE 2-WIRE CONTROLLER. INSTALL NEW 2-WIRE AS NECESSARY. RE-USE EXISTING DECODERS FROM EXISTING VALVES THAT ARE TO BE REMOVED.
3. ALL VALVES, VALVE BOXES, DRAINS, AND BOTH ENDS OF SLEEVES SHALL HAVE GPS POINTS TO CREATE AN GPS AS-BUILT DOCUMENT. CONSULT WITH THE OWNER FOR THE DELIVERABLE TYPE REQUIRED. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
4. ALL MAINLINE 3" AND LARGER SHALL HAVE LEEMCO FITTINGS WITH JOINT RESTRAINTS. ALL MAINLINE SMALLER THAN 3" SHALL BE SCH 40 PVC WITH SCHEDULE 80 FITTINGS. SIZE MAINLINE PER PLAN. LATERAL LINES SHALL BE NO SMALLER THAN 3/4". MAINLINE AND LATERAL LINE LAYOUT IS SCHEMATIC. ADJUST LOCATION OF MAINLINE AND LATERAL LINES AS NECESSARY IN ORDER TO AVOID TREES AND OTHER OBSTRUCTIONS AS WELL AS NEW TREES OR SHRUBS PLANTINGS. PIPES SHALL CARRY NO MORE THAN THE FOLLOWING: 3/4" PIPE MAX. 8 GPM, 1" PIPE MAX. 13 GPM, 1-1/4" PIPE MAX. 23 GPM, 1-1/2" PIPE MAX. 30 GPM, 2" PIPE MAX. 50 GPM, 2-1/2" PIPE MAX. 75 GPM, 3" PIPE MAX. 110 GPM.
5. CONTRACTOR SHALL HAVE ALL UTILITIES BLUE STAKED BEFORE DIGGING. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR WITH NO EXTRA COST TO THE OWNER.
6. INSTALL ALL NEW VALVE BOXES 6" MIN. FROM WALKS AND WALLS SQUARED WITH THE WALK. PLACE VALVE BOXES IN PLANTER BEDS WHEN POSSIBLE. ROUND VALVE BOXES ARE NOT ALLOWED. CONTRACTOR SHALL ONLY USE COMMERCIAL GRADE RAINBIRD PRODUCTS OR AN OWNER APPROVED EQUAL EXISTING VALVE BOXES MAY BE USED IF THEY ARE NOT DAMAGED. ANY DAMAGED BOXES AND/OR LIDS SHALL BE REPLACED BY THE CONTRACTOR.
7. CONTRACTOR MAY MAKE SUBSTITUTIONS TO IRRIGATION COMPONENTS ONLY UPON WRITTEN APPROVAL FROM THE SCHOOL DISTRICT. IF CONTRACTOR ELECTS TO USE DIFFERENT COMPONENTS THAN WHAT IS CALLED FOR, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A NEW DESIGN SHOWING HOW NEW COMPONENTS MEET OR EXCEED THE EXISTING DESIGN STANDARD SET FORTH IN THESE CONSTRUCTION DOCUMENTS.
8. CONTRACTOR IS RESPONSIBLE FOR ENSURING ACCURATE COUNTS AND QUANTITIES OF ALL IRRIGATION MATERIALS FOR BIDDING AND INSTALLATION PURPOSES.
9. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CITY AND/OR COUNTY CODES. THE LANDSCAPE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS.
10. ACTUAL INSTALLATION OF IRRIGATION SYSTEM MAY VARY SOMEWHAT FROM PLANS. CONTRACTOR IS RESPONSIBLE TO MAKE NECESSARY ADJUSTMENTS AS NEEDED TO ENSURE PROPER COVERAGE OF ALL LANDSCAPED AREAS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
11. INSTALL SCH. 40 ELECTRICAL WIRING CONDUIT BETWEEN ALL IRRIGATION BOXES FOR NEW 2-WIRE, TYP.
12. REMOVE ALL EXISTING VALVES, HEADS, AND PIPING FOR ZONES 1-14, 16, 81-83, 100-102
13. MODIFY EXISTING ZONES 15, 17, 21, 80. REMOVE HEADS AND RE-PIPE TO ACCOMMODATE CHANGES.

IRRIGATION LEGEND

SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM Q	GPM T	GPM H	GPM TT	GPM TQ	GPM F	DRIP GPH	DETAILS	REMARKS
	RAIN BIRD 1806-PRS POP-UP SPRAY 8 SERIES	Q, HE-VAN	8'	30	.26	--	--	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 10 SERIES	H,F	10'	30	--	--	.79	--	--	1.58	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 12SERIES	H,F	12'	30	--	--	1.30	--	--	2.60	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 15 SERIES	Q, H, F, HE-VAN	15'	30	0.92	--	1.85	--	2.78	3.70	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 18 SERIES	HE-VAN	18'	30	1.33	--	2.66	--	--	--	--	11	
25 25 25	RAIN BIRD 5006-PL-R-SS WITH MPR 25 SERIES NOZZLES	Q,T,H,F	25'	45	1.00	1.38	1.98	--	--	3.82	--	12	ADJUST ARC AS NEEDED
30 30 30	RAIN BIRD 5006-PL-R-SS WITH MPR 30 SERIES NOZZLES	Q,T,H,F	30'	45	1.40	1.85	2.96	--	--	5.78	--	12	ADJUST ARC AS NEEDED
35 35 35	RAIN BIRD 5006-PL-R-SS WITH MPR 35 SERIES NOZZLES	Q,T,H,F	35'	45	1.92	2.46	3.81	--	--	--	--	12	ADJUST ARC AS NEEDED
06	RAIN BIRD FALCON 6504 SS	Q	44'	50	5.5	--	--	--	--	--	--	12	ADJUST ARC AS NEEDED
12 12	RAIN BIRD FALCON 6504 SS	H, F	50'	50	--	--	11	--	--	11	--	12	ADJUST ARC AS NEEDED
	EXISTING VALVES TO BE RELOCATED											13, 14	
	NEW RAINBIRD PESB VALVE, SIZE PER PLAN											13, 14	JUMBO VALVE BOX
	EXISTING 3" SCH. 40 PVC MAINLINE TO BE REMOVED											--	
	EXISTING 3" SCH. 40 PVC MAINLINE TO REMAIN. MODIFY EXISTING MAINLINE PER PLANS											--	FIELD VERIFY EXACT LOCATION
	NEW 3" SCH. 40 PVC MAINLINE WITH LEEMCO FITTINGS AND JOINT RESTRAINTS UNLESS OTHERWISE NOTED. ALL MAINLINE SMALLER THAN 3" SHALL ALSO BE SCH. 40 PVC BUT SHALL HAVE SCH. 80 FITTINGS.											1, 2, 4, 5, 13	SEE IRRIGATION DETAILS
	LATERAL LINE: PVC SCH. 40 (SIZE PER PLAN)											1, 4	SEE IRRIGATION DETAILS
	EXISTING LATERAL LINE												SEE PLAN
	1" RAINBIRD QUICK COUPLER VALVE, MODEL #44NP. FOR IRRIGATION SYSTEM BLOWOUT. ALL STAINLESS STEEL FITTINGS & PIPE.											9	SEE IRRIGATION DETAILS
	3" LEEMCO FLANGED ISOLATION VALVE WITH 2" SQUARE NUT (INSTALL MANUAL DRAIN AT EACH ISOLATION VALVE)											5	SEE IRRIGATION DETAILS
NOT SHOWN	DOUBLE JACKETED 2-WIRE CABLE PER CALSENSE SPECS.											1, 4, 15, 16	ROUTE WITH MAINLINE
	SLEEVE (SIZE TO BE A MIN. OF TWICE THE DIAMETER OF THE MAIN, LATERAL)											3	COORDINATE WITH ALL TRADES
NOT SHOWN	WIRE CHASE, SIZE TO BE TWICE THE DIAMETER OF THE WIRE BUNDLE WITHIN, 1" DIA. WC IS THE MINIMUM SIZED ALLOWED.											1, 4, 15, 16	COORDINATE WITH ALL TRADES

N

20' 0 20' 40' 60'

SCALE: 1"=20'-0" ON 30X42 SHEET

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT LICENSED # 4884514 Cory B. Whiting 09-12-24 STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

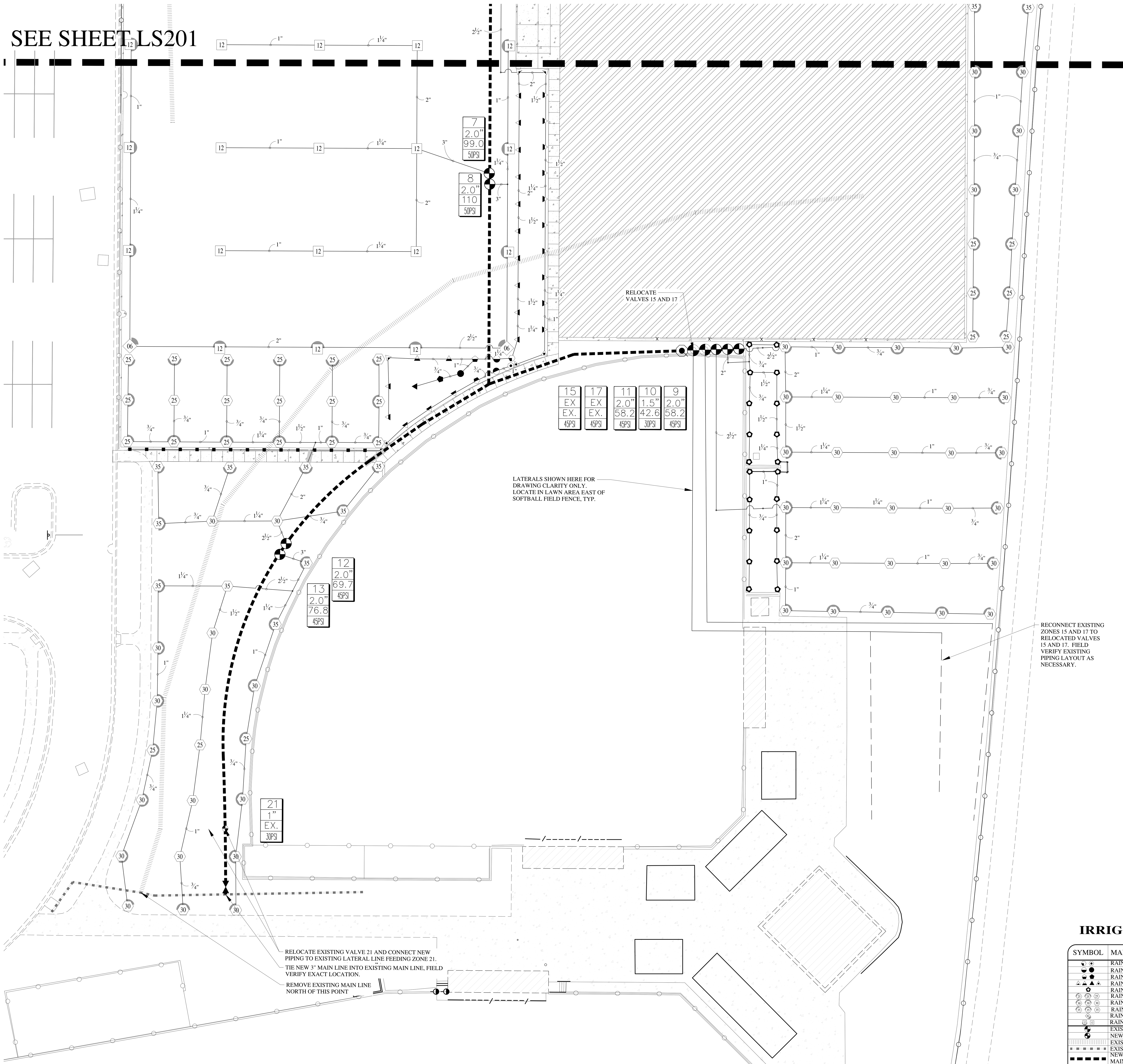
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

IRRIGATION PLAN

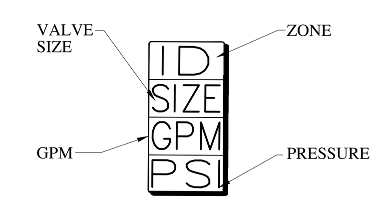
SHEET NUMBER

LS201



VALVE ID TAGS

EXISTING, RELOCATED, OR NEW VALVE:



IRRIGATION NOTES

1. SEE SHEETS LS4.0 FOR IRRIGATION DETAILS. SEE SPECS FOR ADDITIONAL IRRIGATION INSTALLATION PROCEDURES.
2. EXISTING AND NEW VALVES TO BE CONNECTED TO EXISTING CALSENSE 2-WIRE CONTROLLER. INSTALL NEW 2-WIRE AS NECESSARY. RE-USE EXISTING DECODERS FROM EXISTING VALVES THAT ARE TO BE REMOVED.
3. ALL VALVES, VALVE BOXES, DRAINS, AND BOTH ENDS OF SLEEVES SHALL HAVE GPS POINTS TO CREATE AN GPS AS-BUILT DOCUMENT. CONSULT WITH THE OWNER FOR THE DELIVERABLE TYPE REQUIRED. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
4. ALL MAINLINE 3" AND LARGER SHALL HAVE LEEMCO FITTINGS WITH JOINT RESTRAINTS. ALL MAINLINE SMALLER THAN 3" SHALL BE SCH 40 PVC WITH SCHEDULE 80 FITTINGS. SIZE MAINLINE PER PLAN. LATERAL LINES SHALL BE NO SMALLER THAN 3/4". MAINLINE AND LATERAL LINE LAYOUT IS SCHEMATIC. ADJUST LOCATION OF MAINLINE AND LATERAL LINES AS NECESSARY IN ORDER TO AVOID TREES AND OTHER OBSTRUCTIONS AS WELL AS NEW TREES OR SHRUBS PLANTINGS. PIPES SHALL CARRY NO MORE THAN THE FOLLOWING: 3/4" PIPE MAX. 8 GPM, 1" PIPE MAX. 13 GPM, 1-1/4" PIPE MAX. 23 GPM, 1-1/2" PIPE MAX. 30 GPM, 2" PIPE MAX. 50 GPM, 2-1/2" PIPE MAX. 75 GPM, 3" PIPE MAX. 110 GPM.
5. CONTRACTOR SHALL HAVE ALL UTILITIES BLUE STAKED BEFORE DIGGING. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR WITH NO EXTRA COST TO THE OWNER.
6. INSTALL ALL NEW VALVE BOXES 6" MIN. FROM WALKS AND WALLS SQUARED WITH THE WALK. PLACE VALVE BOXES IN PLANTER BEDS WHEN POSSIBLE. ROUND VALVE BOXES ARE NOT ALLOWED. CONTRACTOR SHALL ONLY USE COMMERCIAL GRADE RAINBIRD PRODUCTS OR AN OWNER APPROVED EQUAL EXISTING VALVE BOXES MAY BE USED IF THEY ARE NOT DAMAGED. ANY DAMAGED BOXES AND/OR LIDS SHALL BE REPLACED BY THE CONTRACTOR.
7. CONTRACTOR MAY MAKE SUBSTITUTIONS TO IRRIGATION COMPONENTS ONLY UPON WRITTEN APPROVAL FROM THE SCHOOL DISTRICT. IF CONTRACTOR ELECTS TO USE DIFFERENT COMPONENTS THAN WHAT IS CALLED FOR, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A NEW DESIGN SHOWING HOW NEW COMPONENTS MEET OR EXCEED THE EXISTING DESIGN STANDARD SET FORTH IN THESE CONSTRUCTION DOCUMENTS.
8. CONTRACTOR IS RESPONSIBLE FOR ENSURING ACCURATE COUNTS AND QUANTITIES OF ALL IRRIGATION MATERIALS FOR BIDDING AND INSTALLATION PURPOSES.
9. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CITY AND/OR COUNTY CODES. THE LANDSCAPE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS.
10. ACTUAL INSTALLATION OF IRRIGATION SYSTEM MAY VARY SOMEWHAT FROM PLANS. CONTRACTOR IS RESPONSIBLE TO MAKE NECESSARY ADJUSTMENTS AS NEEDED TO ENSURE PROPER COVERAGE OF ALL LANDSCAPED AREAS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
11. INSTALL SCH. 40 ELECTRICAL WIRING CONDUIT BETWEEN ALL IRRIGATION BOXES FOR NEW 2-WIRE, TYP.
12. REMOVE ALL EXISTING VALVES, HEADS, AND PIPING FOR ZONES 1-14, 16, 81-83, 100-102
13. MODIFY EXISTING ZONES 15, 17, 21, 80. REMOVE HEADS AND RE-PIPE TO ACCOMMODATE CHANGES.

IRRIGATION LEGEND

SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM Q	GPM T	GPM H	GPM TT	GPM TQ	GPM F	DRIP GPH	DETAILS	REMARKS
	RAIN BIRD 1806-PRS POP-UP SPRAY 8 SERIES	Q, HE-VAN	8'	30	.26	--	--	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 10 SERIES	H,F	10'	30	--	--	.79	--	--	1.58	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 12SERIES	H,F	12'	30	--	--	1.30	--	--	2.60	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 15 SERIES	Q, H, F, HE-VAN	15'	30	0.92	--	1.85	--	2.78	3.70	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 18 SERIES	HE-VAN	18'	30	1.33	--	2.66	--	--	--	--	11	
25 25 25	RAIN BIRD 5006-PL-R-SS WITH MPR 25 SERIES NOZZLES	Q,T,H,F	25'	45	1.00	1.38	1.98	--	--	3.82	--	12	ADJUST ARC AS NEEDED
30 30 30	RAIN BIRD 5006-PL-R-SS WITH MPR 30 SERIES NOZZLES	Q,T,H,F	30'	45	1.40	1.85	2.96	--	--	5.78	--	12	ADJUST ARC AS NEEDED
35 35 35	RAIN BIRD 5006-PL-R-SS WITH MPR 35 SERIES NOZZLES	Q,T,H,F	35'	45	1.92	2.46	3.81	--	--	--	--	12	ADJUST ARC AS NEEDED
06	RAIN BIRD FALCON 6504 SS	Q	44'	50	5.5	--	--	--	--	--	--	12	ADJUST ARC AS NEEDED
12 12	RAIN BIRD FALCON 6504 SS	H, F	50'	50	--	--	11	--	--	11	--	12	ADJUST ARC AS NEEDED
	EXISTING VALVES TO BE RELOCATED											13, 14	
	NEW RAINBIRD PESB VALVE, SIZE PER PLAN											13, 14	JUMBO VALVE BOX
	EXISTING 3" SCH. 40 PVC MAINLINE TO BE REMOVED											--	
	EXISTING 3" SCH. 40 PVC MAINLINE TO REMAIN. MODIFY EXISTING MAINLINE PER PLANS											--	FIELD VERIFY EXACT LOCATION
	NEW 3" SCH. 40 PVC MAINLINE WITH LEEMCO FITTINGS AND JOINT RESTRAINTS UNLESS OTHERWISE NOTED. ALL MAINLINE SMALLER THAN 3" SHALL ALSO BE SCH. 40 PVC BUT SHALL HAVE SCH. 80 FITTINGS.											1, 2, 4, 5, 13	SEE IRRIGATION DETAILS
	LATERAL LINE: PVC SCH. 40 (SIZE PER PLAN)											1, 4	SEE IRRIGATION DETAILS
	EXISTING LATERAL LINE												SEE PLAN
	1" RAINBIRD QUICK COUPLER VALVE, MODEL #44NP. FOR IRRIGATION SYSTEM BLOWOUT. ALL STAINLESS STEEL FITTINGS & PIPE.											9	SEE IRRIGATION DETAILS
	3" LEEMCO FLANGED ISOLATION VALVE WITH 2" SQUARE NUT (INSTALL MANUAL DRAIN AT EACH ISOLATION VALVE)											5	SEE IRRIGATION DETAILS
NOT SHOWN	DOUBLE JACKETED 2-WIRE CABLE PER CALSENSE SPECS.											1, 4, 15, 16	ROUTE WITH MAINLINE
	SLEEVE (SIZE TO BE A MIN. OF TWICE THE DIAMETER OF THE MAIN, LATERAL)											3	COORDINATE WITH ALL TRADES
NOT SHOWN	WIRE CHASE, SIZE TO BE TWICE THE DIAMETER OF THE WIRE BUNDLE WITHIN, 1" DIA. WC IS THE MINIMUM SIZED ALLOWED.											1, 4, 15, 16	COORDINATE WITH ALL TRADES

N

20' 0 20' 40' 60'

SCALE: 1"=20'-0" ON 30X42 SHEET

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT # 4884514 Cory B. Whiting 09-12-24 LICENSED STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

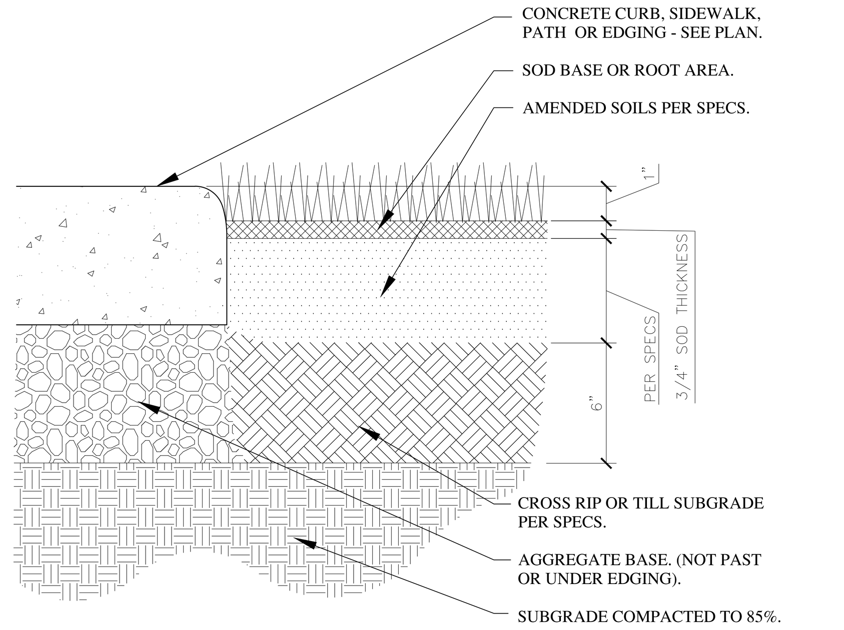
IRRIGATION PLAN

SHEET NUMBER

LS202

1 | 2 | 3 | 4 | 5 | 6 | 7

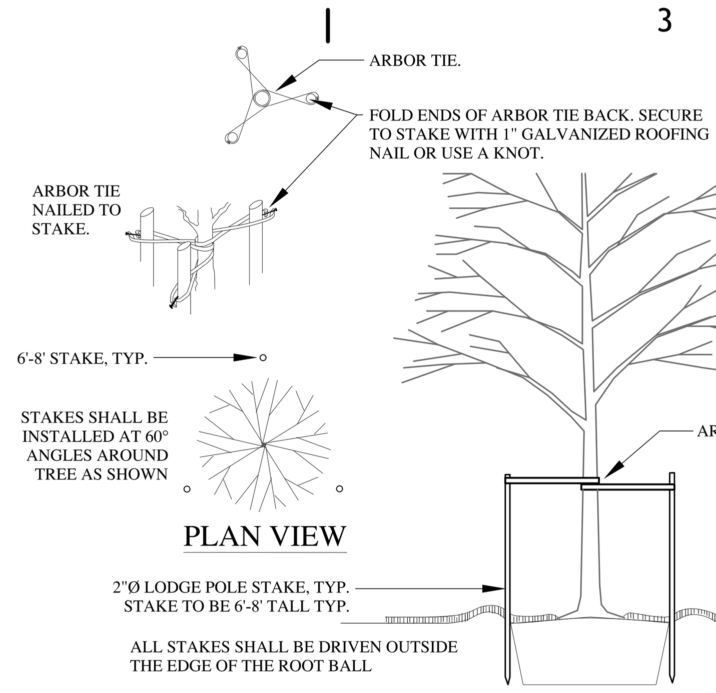
A



NOTES:
1. ENSURE FINISH GRADE IS 1" BELOW TOP OF CURB, WALK, OR EDGING. CONSULT WITH OWNER FOR PROPER DEPTH.
2. SEE SOD SPEC'S FOR ADDITIONAL INFORMATION ON SODDING AND SEEDING REQUIREMENTS
3. EDGING OF SOD TO BE SHOVEL CUT WHEN NOT NEXT TO CONCRETE SIDEWALK OR PATH.
4. TURF IS THE MOST HEALTHY AND WATER EFFICIENT WHEN MOWED AT A MIN. HEIGHT OF 2½" - 3".

1 SOD LAYING AND EDGE

SCALE: NTS

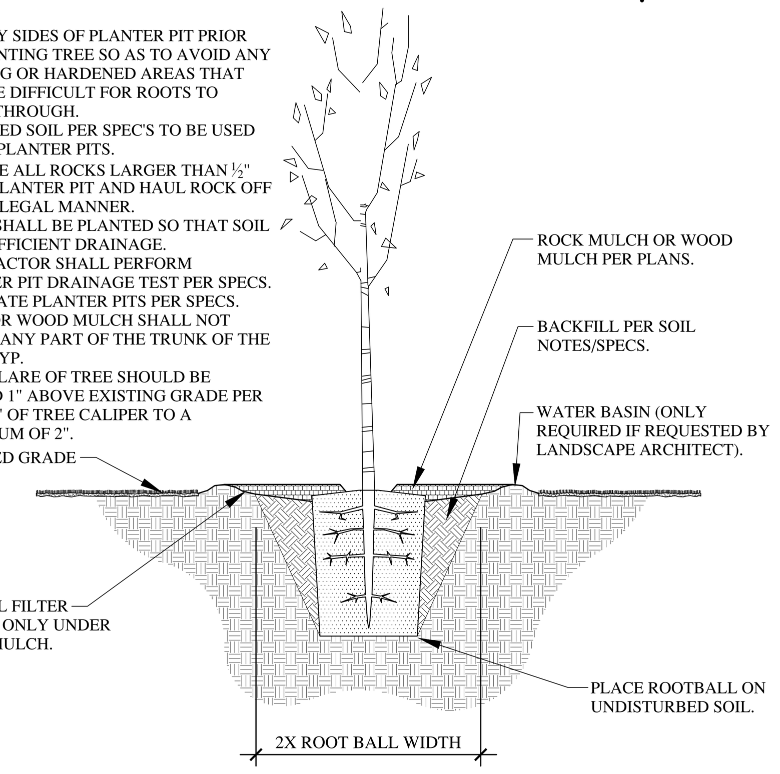


NOTES: IF TREE STAKING IS REQUIRED, THE FOLLOWING IS RECOMMENDED:
1. ALLOW FOR SOME TRUNK MOVEMENT. ATTACH ARBOR TIE TO TREE AND STAKE.
2. REMOVE ALL WRAPPING MATERIAL FROM ROOTBALL PRIOR TO PLANTING.
3. INSTALL THREE STAKES PER TREE, SPACED EVENLY AROUND THE TRUNK
4. REMOVE ALL STAKING AS SOON AS THE TREE IS STABLE.
5. CONTRACTOR SHALL PROVIDE TREE STAKING AS A BID ALTERNATE.
6. CONTRACTOR TO REMOVE NURSERY TREE STAKE FROM ROOTBALL AT TIME OF PLANTING (TYP.).

2 DECIDUOUS TREE STAKING

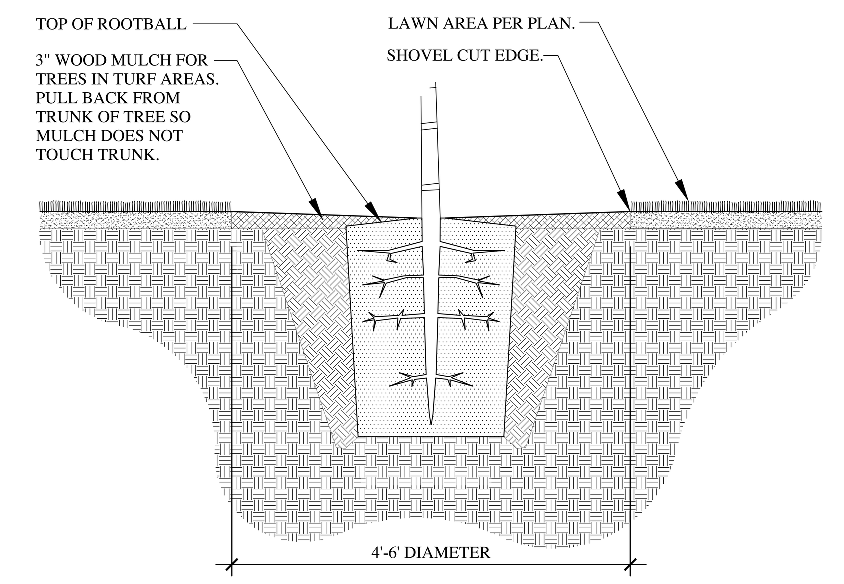
SCALE: NTS

NOTES:
1. SCARIFY SIDES OF PLANTER PIT PRIOR TO PLANTING TREE SO AS TO AVOID ANY GLAZING OR HARDENED AREAS THAT WILL BE DIFFICULT FOR ROOTS TO GROW THROUGH.
2. AMENDED SOIL PER SPEC'S TO BE USED IN ALL PLANTER PITS.
3. REMOVE ALL ROCKS LARGER THAN ½" FROM PLANTER PIT AND HAUL ROCK OFF SITE IN LEGAL MANNER.
4. TREES SHALL BE PLANTED SO THAT SOIL HAS SUFFICIENT DRAINAGE.
5. CONTRACTOR SHALL PERFORM PLANTER PIT DRAINAGE TEST PER SPECS.
6. EXCAVATE PLANTER PITS PER SPECS.
7. ROCK OR WOOD MULCH SHALL NOT TOUCH ANY PART OF THE TRUNK OF THE TREE, TYP.
8. ROOT FLARE OF TREE SHOULD BE PLACED 1" ABOVE EXISTING GRADE PER EACH 1" OF TREE CALIPER TO A MAXIMUM OF 2".



3 DECIDUOUS TREE PLANTING

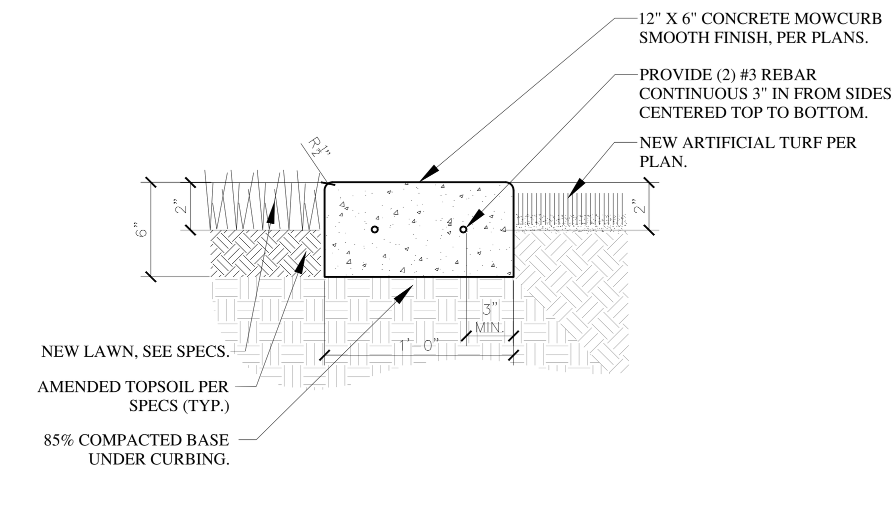
SCALE: NTS



NOTES:
1. DO NOT INSTALL WEED FABRIC UNDER WOOD MULCH.
2. TREE WELL FOR SMALL FLOWERING TREES SHALL BE 4'-0".
3. TREE WELL FOR LARGE SHADE TREES OR EVERGREENS SHALL BE 6'-0" UNLESS OTHERWISE NOTED.
4. AS TREES MATURE TREE WELL WILL NEED TO EXPAND.

4 TREE WELL IN TURF AREA

SCALE: NTS

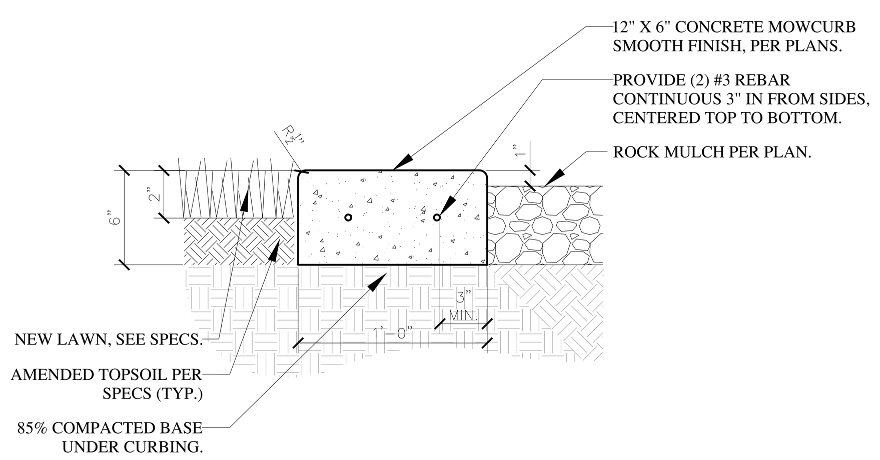


NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS

5 12" CONCRETE MOWCURB NEXT TO LAWN & ARTIFICIAL TURF

SCALE: NTS

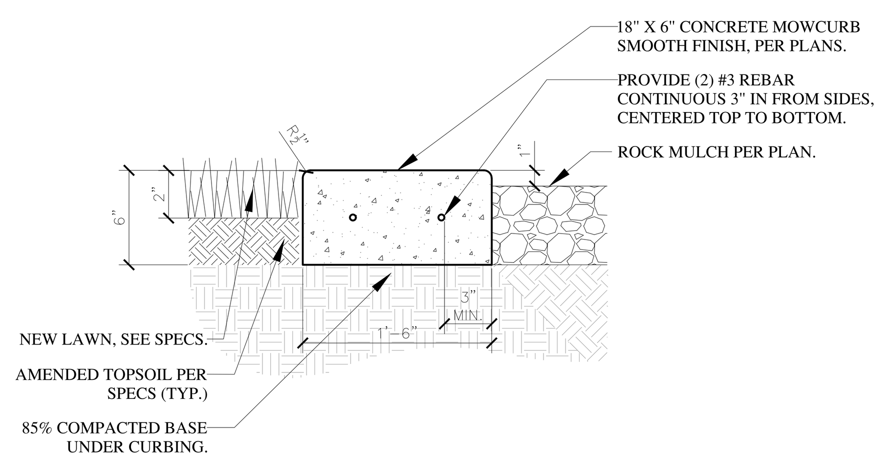
B



NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS

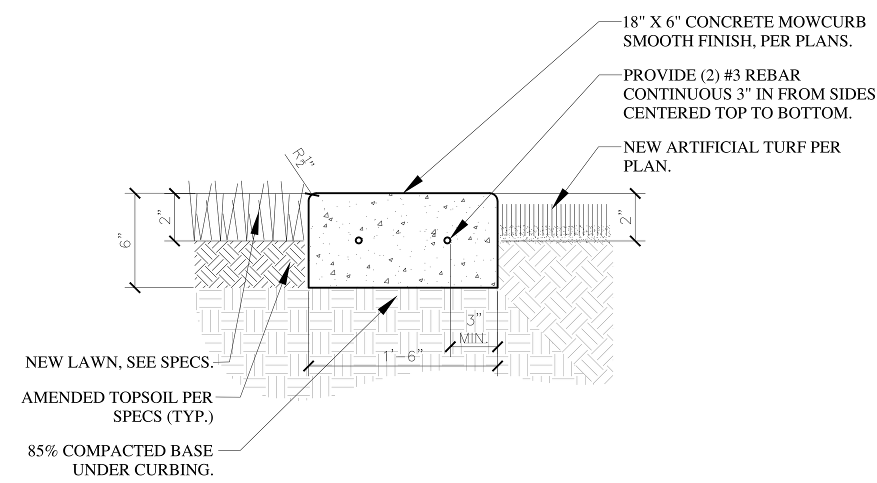
6 12" CONCRETE MOWCURB NEXT TO ROCK & LAWN

SCALE: NTS



NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS

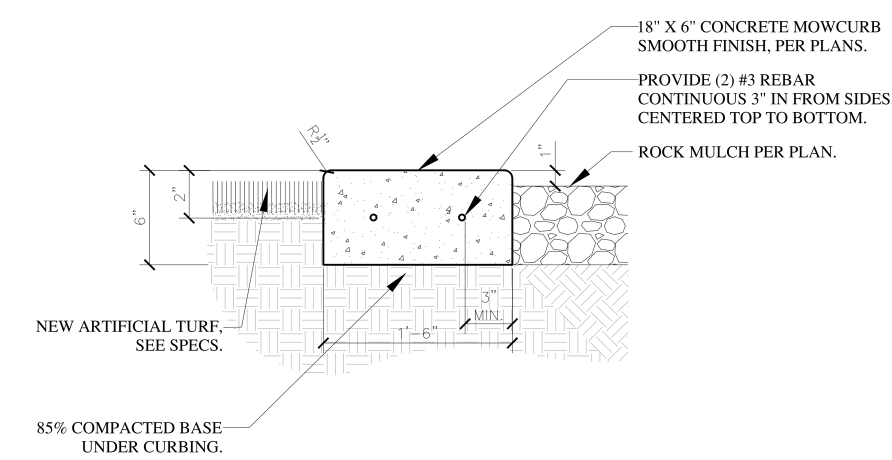
7 18" CONCRETE MOWCURB NEXT TO ROCK & LAWN



NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS

8 18" CONCRETE MOWCURB NEXT TO LAWN & ARTIFICIAL TURF

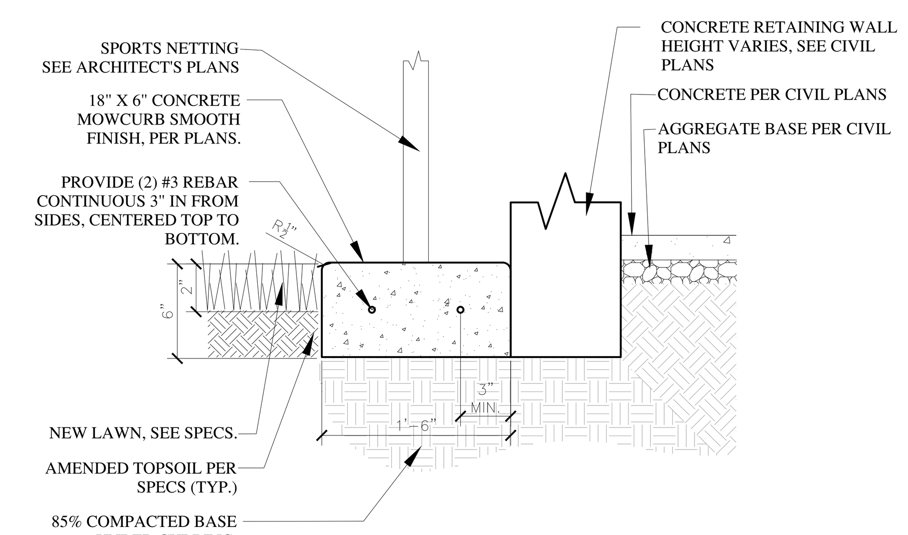
SCALE: NTS



NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS

9 18" CONCRETE MOWCURB NEXT TO ROCK & ARTIFICIAL TURF

SCALE: NTS

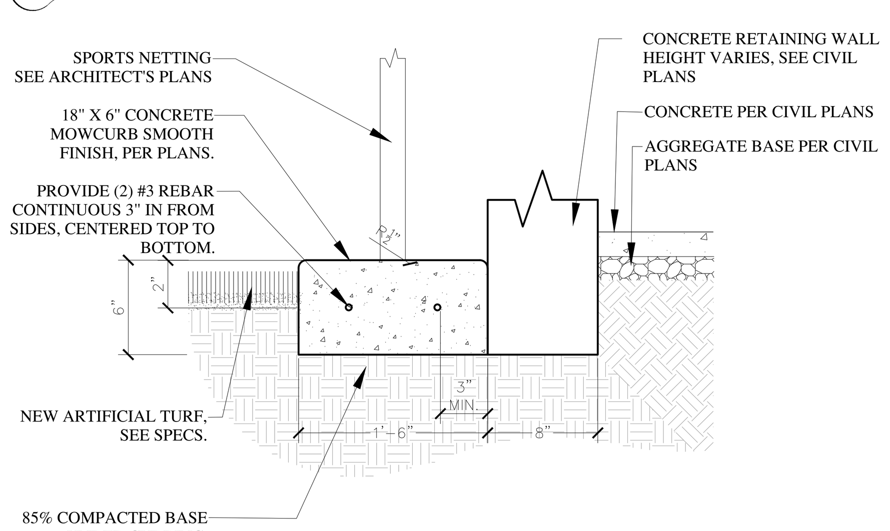


NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS.
3. SEE ARCHITECTS PLANS FOR SPORTS NETTING, POSTS, POST FOOTING REQUIREMENTS, NET TIE DOWNS, ETC.

10 18" CONCRETE MOWCURB AND RETAINING WALL NEXT TO CONCRETE & LAWN

SCALE: NTS

C

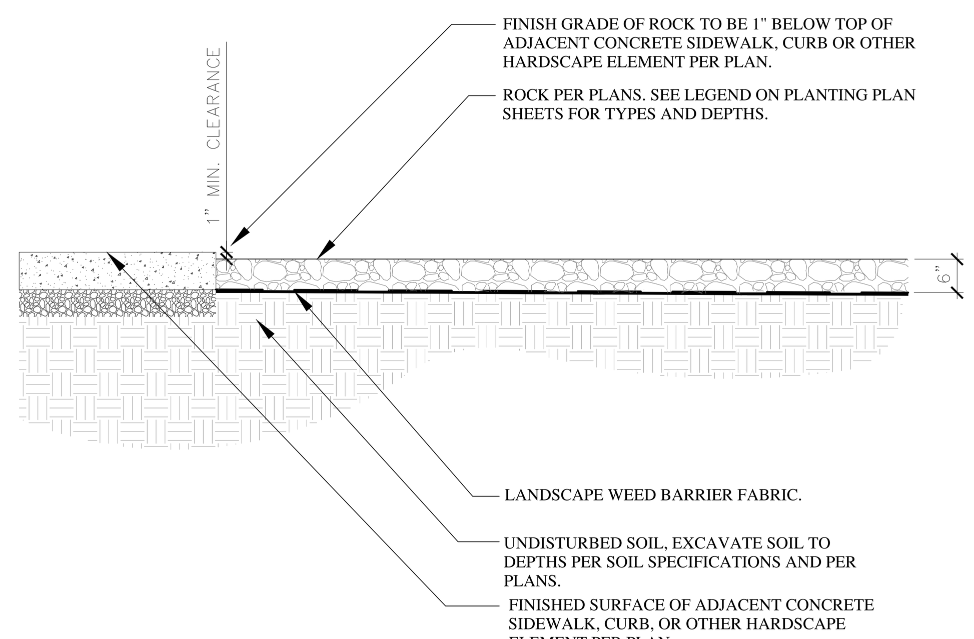


NOTES:
1. PROVIDE CONTROL JOINT IN MOWCURB AT 10' INTERVALS, PROVIDE EXPANSION JOINTS EVERY 30' ALONG MOWCURB AND WHERE CURB MEETS WALKWAYS, CURB AND GUTTER OR OTHER HARDSCAPE SURFACE.
2. INSTALL ELASTOMERIC SEALANT FOR ALL EXPANSION JOINTS
3. SEE ARCHITECTS PLANS FOR SPORTS NETTING, POSTS, POST FOOTING REQUIREMENTS, NET TIE DOWNS, ETC.

D

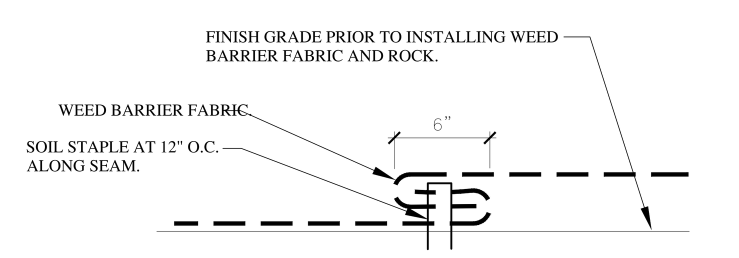
11 18" CONCRETE MOWCURB AND RETAINING WALL NEXT TO CONCRETE AND ARTIFICIAL TURF

SCALE: NTS



NOTES:
1. ROCK SHALL BE SCREENED & DOUBLE WASHED AND BE FREE OF DEBRIS PRIOR TO INSTALLATION. IF ROCK SUPPLIER DOES NOT HAVE A WASH PLANT, THE LANDSCAPE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR DOUBLE WASHING ALL ROCK AND BOULDERS PRIOR TO INSTALLATION.
2. INSTALL PRE-EMERGENT HERBICIDE TO THE TOP OF THE FABRIC AFTER INSTALLING PLANTS AND PRIOR TO INSTALLING MULCH. AFTER INSTALLATION OF THE MULCH THE CONTRACTOR SHALL EVENLY BROADCAST A SECOND APPLICATION OF SLOW-RELEASE PRE-EMERGENT HERBICIDE. APPLY PRE-EMERGENT HERBICIDE PER MANUFACTURERS RECOMMENDATIONS.
3. KEEP TOP OF ROCK 1"-1½" BELOW ADJACENT WALKS AND CURBS. DO NOT ALLOW ROCK TO TOUCH THE TRUNK OF ANY PLANT. INSTALL ROCK AFTER INSTALLATION OF WEED BARRIER FABRIC AND PLANT MATERIAL.
4. CONTRACTOR TO ENSURE THAT TOP OF WEED BARRIER FABRIC IS FREE OF SOILS AND DEBRIS PRIOR TO PLACING ROCK.
5. SEE LANDSCAPE PLANS FOR ROCK TYPE AND DEPTH.

WEED FABRIC NOTE:
INSTALL 6" SOIL STAPLE IN WEED BARRIER FABRIC AT 5' O.C. TRIANGULAR SPACING. INSTALL 6" SOIL STAPLE AT 12" O.C. ALONG ALL WEED BARRIER FABRIC SEAMS. OVERLAP FABRIC MIN. OF 6" AT ALL SEAMS AS SHOWN BELOW. INSTALL SOIL STAPLE 6' O.C. ALONG EDGES & 2 AT EACH CORNER.



12 ROCK AND WEED BARRIER FABRIC WITH BOULDER

SCALE: NTS

TREE PROTECTION AND PRESERVATION

INTRODUCTION: THIS IS INTENDED TO GUIDE THE GENERAL CONTRACTOR AND SUB-CONTRACTORS CREWS AND OWNER IN THE PROTECTION OF TREES LOCATED ON PROJECT SITE, AND SHALL BE IN COMPLIANCE WITH FOLLOWING SPECIFICATIONS. ALL PEOPLE THAT WORK AROUND TREES ARE RESPONSIBLE TO PROTECT THE TREES FROM UNNECESSARY INJURY THAT WOULD DECREASE THEIR VALUE. TREE ROOTS OFTEN SPREAD 2-3 TIMES WIDER THAN THE DRIP-LINE OF THE CANOPY AND 90% OF A TREE'S ROOTS ARE FOUND IN THE TOP 2 FEET OF SOIL. THESE FACTS ILLUSTRATE WHY IT IS SO IMPORTANT TO USE CARE WHEN WORKING NEAR EXISTING TREES.

A. TREE PROTECTION GUIDELINES FOR CONSTRUCTION SITES

PRIOR TO INITIATION OF DEMOLITION AND CONSTRUCTION WORK THAT WILL AFFECT TREES ON PROPERTY, THE FOLLOWING TREE PROTECTION PLAN SHOULD BE IMPLEMENTED, WHICH PROVIDES FOR THE FOLLOWING INFORMATION:

1. TREE PROTECTION PRACTICES MAY INCLUDE, BUT ARE NOT LIMITED TO: PRUNING BRANCHES AND ROOTS, TEMPORARILY FENCING OFF AREA AROUND THE ROOTING ZONE, WRAPPING TRUNKS TO PREVENT WOUNDS, SPREADING WOOD CHIPS OR GRAVEL TO REDUCE SOIL COMPACTION, ENSURING PROPER TREE IRRIGATION IS PROVIDED THROUGHOUT THE TERM OF THE PROJECT, AND ADDING WELL-COMPOSTED ORGANIC MATTER TO THE TREE'S GROWING LOCATION FOLLOWING CONSTRUCTION.
2. TREE PLANTING WORK SHALL BE DONE IN ACCORDANCE WITH LATEST LOCAL CODES, IE: BEST MANAGEMENT PRACTICES (BMP), ANSI Z133.1, AND ANSI A300. DIRECTIONS PROVIDED IN AUTHORIZING PERMITS SHALL BE FOLLOWED.
3. ANY TREE TO REMAIN THAT IS IRREPARABLY DAMAGED DUE TO CONSTRUCTION ACTIVITIES SHALL BE REMUNERATED AT COST TO CONTRACTOR RESPONSIBLE FOR DAMAGES. THE VALUE OF ALL TREES TO REMAIN SHALL BE ESTABLISHED IN WRITING AND AGREED UPON BY ALL PARTIES INVOLVED PRIOR TO CONSTRUCTION ACTIVITIES.
4. ANY TREES TO REMAIN ON-SITE AND ON ADJACENT PROPERTIES THAT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES THAT ARE REPLACEABLE SHALL BE REPLACED WITH TREE OF SAME SPECIES, CALIPER SIZE AND SIMILAR SHAPE AT THE EXPENSE OF CONTRACTOR RESPONSIBLE FOR DAMAGE.
5. TREES TO BE PRESERVED DURING ALL CONSTRUCTION ACTIVITIES SHALL HAVE A TREE PROTECTION ZONE (TPZ) WHICH IS NO LESS THAN THE WIDTH OF THE DRIP LINE OF THE TREE'S CANOPY, CLEARLY MARKED WITH A CONTINUOUS 6' TALL CHAINLINK PROTECTIVE FENCE OR OWNER APPROVED EQUAL PRIOR TO ANY DEMOLITION, CLEARING, TRENCHING OR TUNNELING PROJECTS COMMENCE.
6. HEAVY EQUIPMENT SHALL NOT BE ALLOWED INSIDE THE TREE PROTECTION ZONE. ALL HEAVY EXCAVATIONS SHALL BE MADE BY EQUIPMENT FROM OUTSIDE OF THIS ZONE.
7. BUILDING MATERIAL, TOPSOIL, CHEMICALS, OR FILL SHALL NOT BE STOCKPILED IN THE TREE PROTECTION ZONE OR IN THE DRIP-LINE OF ANY TREE THAT IS SCHEDULED FOR PRESERVATION.
8. PRIOR TO CONSTRUCTION, THE TREE PROTECTION ZONE WILL BE DESIGNATED BY PLAN AND IN COORDINATION WITH BLUE STAKES, OWNER, LANDSCAPE ARCHITECT AND/OR CITY URBAN FORESTER. THE SIZE AND SHAPE OF THE ZONE WILL DEPEND ON THE TREE SPECIES SENSITIVITY TO IMPACT, THE HEALTH AND AGE OF THE TREE, AND ROOT AND CROWN CONFORMATION AND DEVELOPMENT CONSTRAINTS.
9. TRENCHING SHOULD BE PERFORMED IN ACCORDANCE WITH THE STANDARDS LISTED ABOVE AND IN A MANNER AND LOCATION LEAST DAMAGING TO TREE ROOTS.
10. TUNNELING OR BORING SHOULD BE DONE WHERE LARGE SCAFFOLD ROOTS ARE ENCOUNTERED. WHEN LARGE SCAFFOLD ROOTS ARE ENCOUNTERED WHILE TRENCHING, HAND DIGGING AND BRIDGING OF THE ROOTS SHALL BE DONE. IN SITUATIONS WHERE A ROOT HAS BEEN DAMAGED, A CLEAN CUT SHALL BE MADE ON THE ROOT AT THE EDGE OF THE TRENCH CLOSEST TO THE TREE TRUNK.
11. TUNNELING OR BORING SHOULD BE DONE WHENEVER WORK MUST BE DONE WITHIN THE TREE PROTECTION ZONE. TUNNELING OR BORING IN THE TREE PROTECTION ZONE MUST BE AT LEAST 2 FEET DEEP.
12. EXCAVATION INVOLVING ROOT CUTS SHOULD BE DONE RAPIDLY. CUTS ON TREE ROOTS SHALL BE SMOOTH AND CLEAN. THE TRENCH SHOULD BE BACKFILLED AS QUICKLY AS POSSIBLE TO PREVENT THE EXPOSED ROOTS FROM DRYING OUT AND THE TREE SHOULD BE WATERED IMMEDIATELY. IF ROOTS ARE TO REMAIN EXPOSED FOR MORE THAN FOUR TO SIX HOURS, THEY MUST BE COVERED WITH BURLAP AND KEPT MOIST AT ALL TIMES.
13. ANY CUTTING OF TREE ROOTS, OTHER THAN WHEN IN THE PROCESS OF TREE REMOVAL, SHALL GIVE DUE CONSIDERATION TO FUTURE WELFARE OF THE TREE. PROPER ACTION SHALL BE TAKEN SO AS TO PROTECT, PRESERVE, OR CORRECT THE ROOT PROBLEM.
14. FOR TREES WITH A TRUNK DIAMETER IN EXCESS OF SIX INCHES, TUNNELING OR BORING SHOULD REPLACE TRENCHING ACCORDING TO THE FOLLOWING MINIMUM DISTANCES FROM THE FACE OF THE TREE TRUNK IN ANY DIRECTION.
15. THE BOOKLET "TRENCHING AND TUNNELING NEAR TREES" THAT IS PRODUCED BY THE NATIONAL ARBOR DAY FOUNDATION SHALL BE USED AS A GUIDE FOR ALL CONSTRUCTION AND EXCAVATION WORK AROUND TREES.
16. TREE CARE CONTRACTOR PROVIDING SERVICES SHOULD BE CURRENTLY LICENSED TO DO BUSINESS IN UTAH, BE REGISTERED WITH THE UTAH DIVISION OF COMMERCIAL CODE, INSURED AGAINST PERSONAL INJURY AND PROPERTY DAMAGE, AND CERTIFIED AS AN ARBORIST WITH THE INTERNATIONAL SOCIETY OF ARBORICULTURE. PRIOR TO BEGINNING WORK ON TREE(S) THE TREE CARE CONTRACTOR SHALL CONTACT THE CITY'S URBAN FORESTRY DIVISION TO RECEIVE AN AUTHORIZING PERMIT IF REQUIRED.
17. TREES SHALL NOT BE USED TO SUPPORT ANY SCAFFOLDING, SIGNS, TEMPORARY UTILITY, OR ANY OTHER DEVICE. SIDEWALKS AND PAVING LEVELS SHOULD BE CONTOURED WHENEVER POSSIBLE TO AVOID ROOT CUTTING. IF DAMAGE OCCURS TO A PROTECTED TREE, IMMEDIATE CONTACT SHALL BE MADE WITH THE CITY FORESTER IN ORDER THAT WOUNDS CAN BE TREATED.
18. NO ELEVATION OR GRADE CHANGES CAN BE MADE AROUND THE DRIP ZONE OF THE TREES UNLESS WRITTEN APPROVAL IS GIVEN BY THE OWNER AND/OR LANDSCAPE ARCHITECT, AND UPON RECEPTION OF A ELEVATION/GRADE CHANGE PLAN.
19. EXCEPTIONS TO THE ABOVE GUIDELINES SHALL BE REVIEWED AND APPROVED BY THE OWNER PRIOR TO IMPLEMENTATION.
20. TREES SHALL BE WATERED ACCORDING TO THE FOLLOWING GUIDELINES:
    a. ESTABLISHED TREES NEED DEEP WATERING ONCE A WEEK WITH LOW PRESSURE TO ENSURE THAT THE GROUND IS SOAKED TO A DEPTH OF AT LEAST 12 INCHES.
    b. YOUNG OR NEWLY PLANTED TREES NEED TO BE WATERED EVERY 3-4 DAYS.
    c. TO KEEP WATER FROM EVAPORATING FROM THE SOIL AROUND THE TREE, APPLY AT LEAST TWO OR MORE INCHES OF ORGANIC MULCH (WOOD CHIPS OR MULCH) AROUND THE BASE OF THE TREES UNLESS OTHERWISE DIRECTED BY OWNER OR LANDSCAPE ARCHITECT.

E

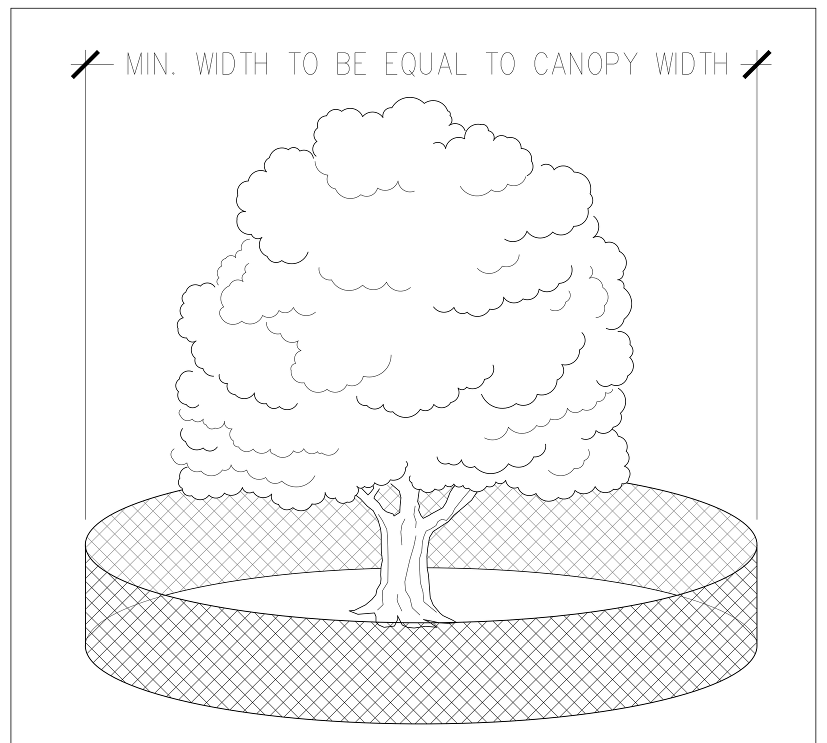
TREE PRUNING AND REMOVAL

PURPOSE: THESE NOTES ARE INTENDED TO GUIDE GENERAL CONTRACTOR AND SUB-CONTRACTOR CREWS IN THE PRUNING AND REMOVAL OF EXISTING TREES IN DESIGNATED AREAS AND BE IN COMPLIANCE WITH LOCAL STANDARDS.

A. GENERAL STANDARDS FOR TREE PRUNING
1. ALL TREE MAINTENANCE WORK ON PROPERTY GROUNDS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISIONS OF ANSI A300 AND ANSI Z133.1 STANDARDS AND AS FURTHER DETAILED IN THE BEST MANAGEMENT PRACTICES TREE PRUNING BOOKLET.
2. ALL TREE PRUNING TO BE COMPLETED BY A LICENSED ARBORIST IN THE STATE OF UTAH.
3. HANGING LIMBS AND BRANCH GROWTH SHALL BE MAINTAINED 13 FEET ABOVE STREETS AND 8 FEET ABOVE SIDEWALKS PER LOCAL CODE.
4. AUTHORITY TO PRUNE TREES DOES NOT INCLUDE THE CUTTING BACK OF SOUND, HEALTHY TREE BRANCHES IN EXCESS OF 6 INCHES OUTSIDE DIAMETER, UNLESS SPECIFICALLY DIRECTED BY THE OWNER OR CITY FORESTER.
5. TREE BRANCHES SHALL BE REMOVED AND CONTROLLED IN SUCH A MANNER AS NOT TO CAUSE DAMAGE TO OTHER PARTS OF THE TREE, OTHER PLANTS, AND PROPERTY.
6. CLEAN-UP OF BRANCHES, LOGS OR ANY OTHER DEBRIS RESULTING FROM TREE PRUNING OR REMOVAL SHALL BE PROMPTLY AND PROPERLY ACCOMPLISHED. THE WORK AREA SHALL BE KEPT SAFE AT ALL TIMES UNTIL THE CLEAN-UP OPERATION IS COMPLETE. UNDER NO CONDITIONS SHALL THE ACCUMULATION OF BRUSH, BRANCHES, LOGS, OR OTHER DEBRIS BE ALLOWED UPON PROPERTY IN SUCH A MANNER AS TO CAUSE A PUBLIC HAZARD.
7. THE USE OF CLIMBING SPURS OR GAFFS SHALL BE PERMITTED ONLY IN THE CASE OF TREE REMOVAL OR IN AERIAL RESCUE EMERGENCIES.
8. UNDER NO CONDITIONS SHALL IT BE CONSIDERED PROPER TO LEAVE SEVERED OR PARTIALLY CUT LIMBS IN A TREE AFTER THE WORKERS LEAVE THE PROJECT SITE.

B. TREE REMOVAL STANDARDS
4. A TREE MAY BE REMOVED IF IT INTERFERES WITH OR CREATES A PUBLIC NUISANCE OR HAZARD TO PEDESTRIANS,VEHICULAR TRAFFIC OR IS CONSIDERED A PUBLIC NUISANCE BY THE CITY FORESTER, OR IF THE TREE IS SIGNIFICANTLY DAMAGED OR DISEASED.
5. ALL TREES TO BE REMOVED SHALL BE TAGGED FOR OWNERS APPROVAL PRIOR TO REMOVING.

C. STUMP REMOVAL REQUIREMENTS AND STANDARDS
1. PERSONS PERFORMING STUMP REMOVAL DUTIES SHALL HAVE THE IMMEDIATE AREA INVESTIGATED FOR UTILITY LINES AND BLUE-STAKED AS NECESSARY AND WEAR ALL REQUIRED SAFETY EYE AND EAR PROTECTION.
2. ALL REMOVAL OF TAGGED TREES SHALL BE DONE IN A MANNER SO THAT THE REMAINING STUMP WILL BE AT LEAST 8 INCHES BELOW GROUND LEVEL UNLESS OTHERWISE DIRECTED BY OWNER.
3. EXCAVATIONS RESULTING FROM TREE OR SHRUB REMOVAL MUST BE PROMPTLY FILLED TO NORMAL GROUND LEVEL WITH CLEAN SOIL. THE FILL SHALL BE PROPERLY SETTLED AND FREE OF DEBRIS.



TREE PROTECTION ZONE

CALL BEFORE YOU DIG
IT'S THE LAW
BLUE STAKES 1-800-662-4111

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LANDSCAPE ARCHITECT
4884514
Cory B. Whiting
LICENSED
STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

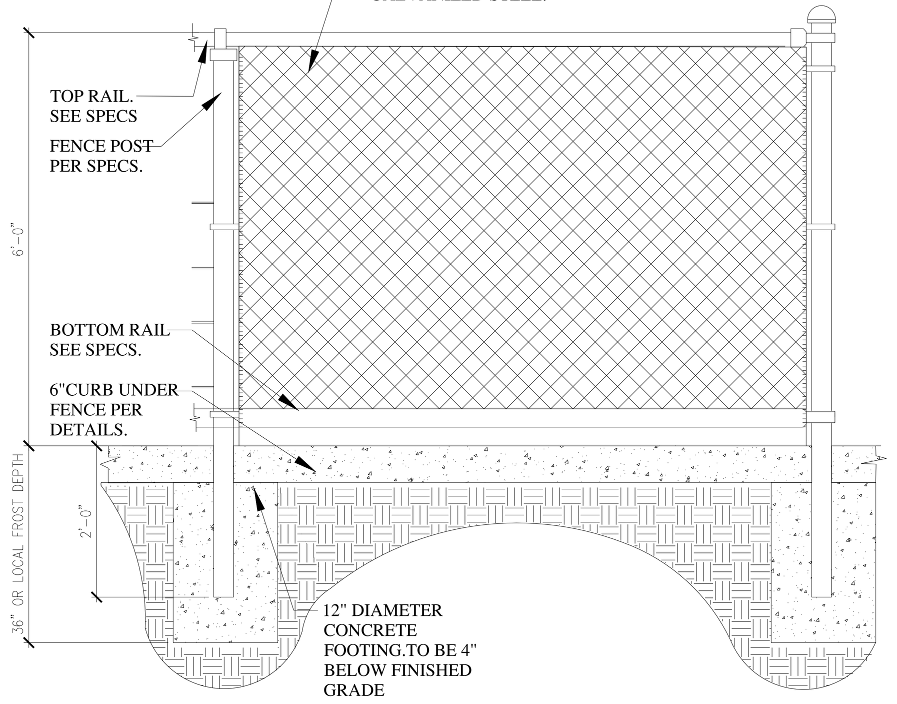
SHEET TITLE

LANDSCAPE DETAILS

SHEET NUMBER

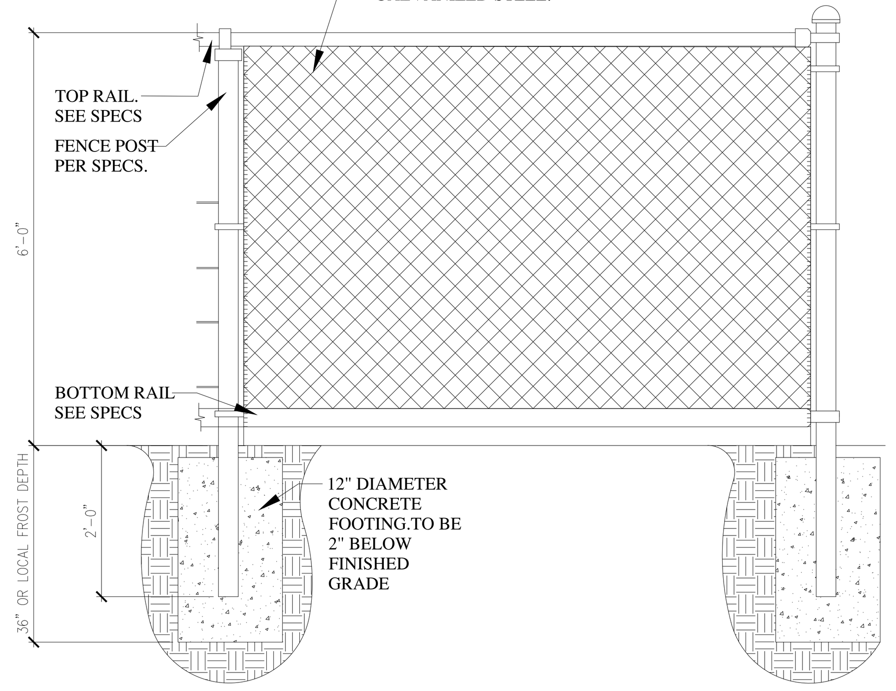
LS300

1 2 3 4 5 6 7



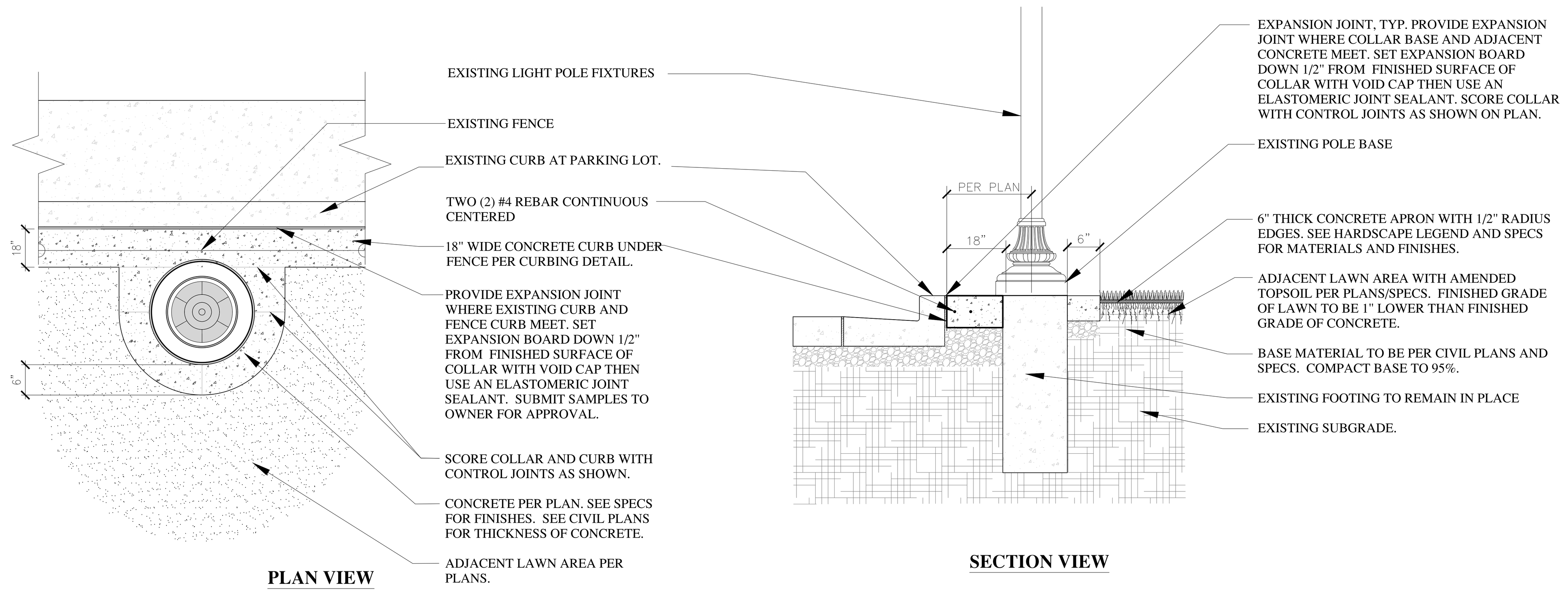
13 PERIMETER FENCE WITH CURB DETAIL

SCALE: NTS



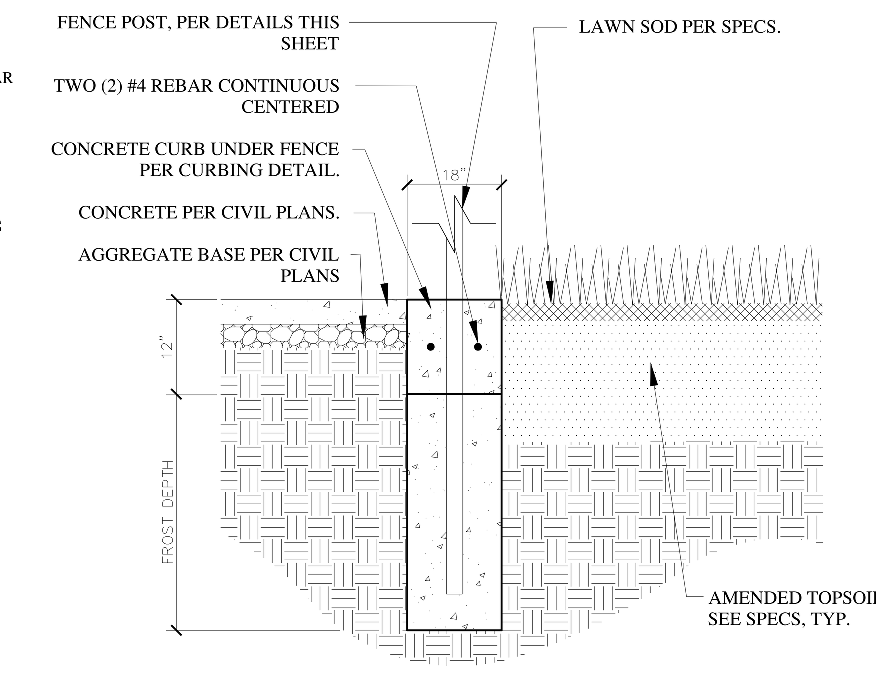
14 PERIMETER FENCE WITHOUT CURB DETAIL

SCALE: NTS



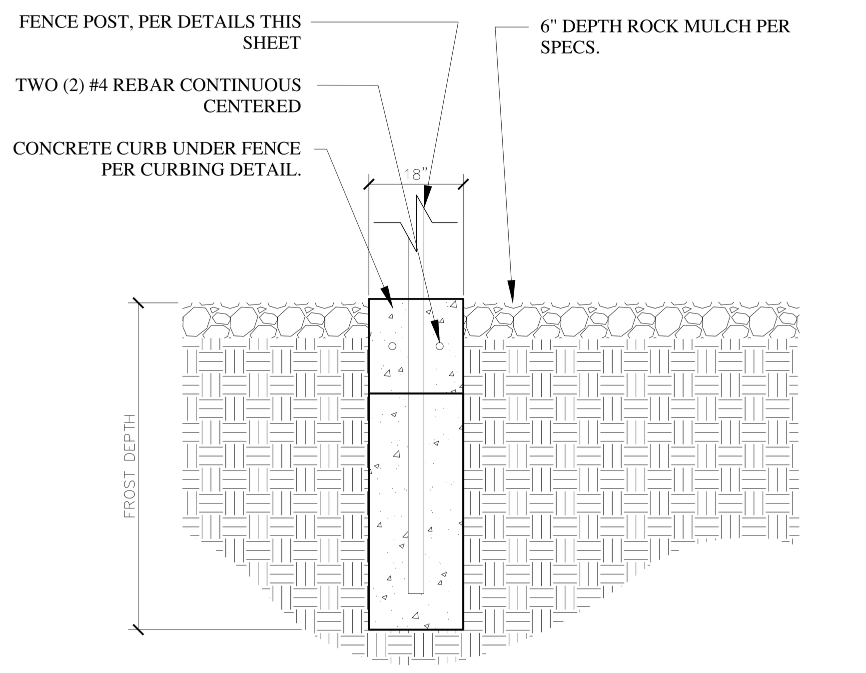
15 LIGHT POLE COLLAR AT BACK OF PARKING LOT CURBS ADJACENT TO LAWN

SCALE: NTS

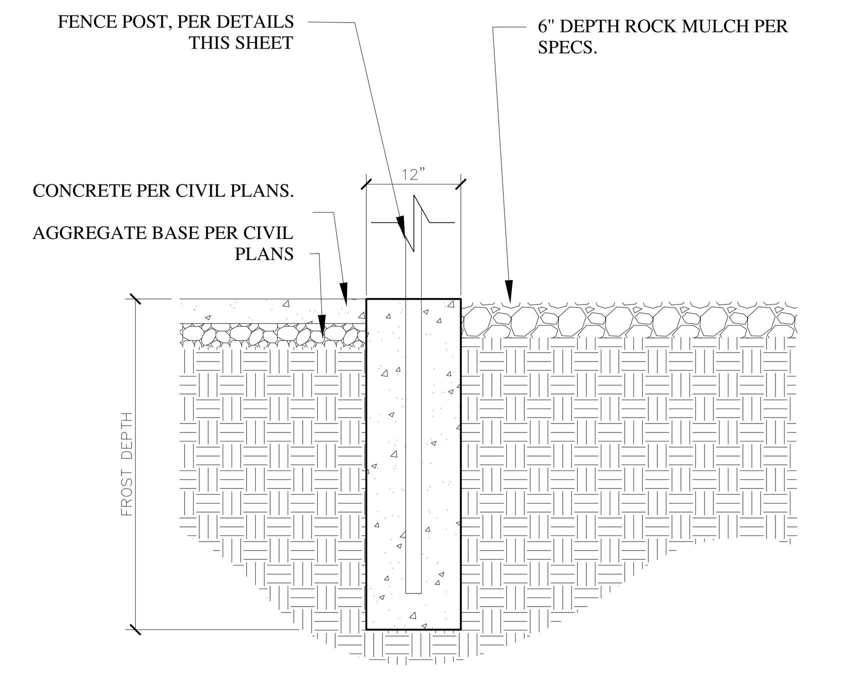


16 FENCE POST CURB ADJACENT TO CONCRETE AND LAWN

SCALE: NTS

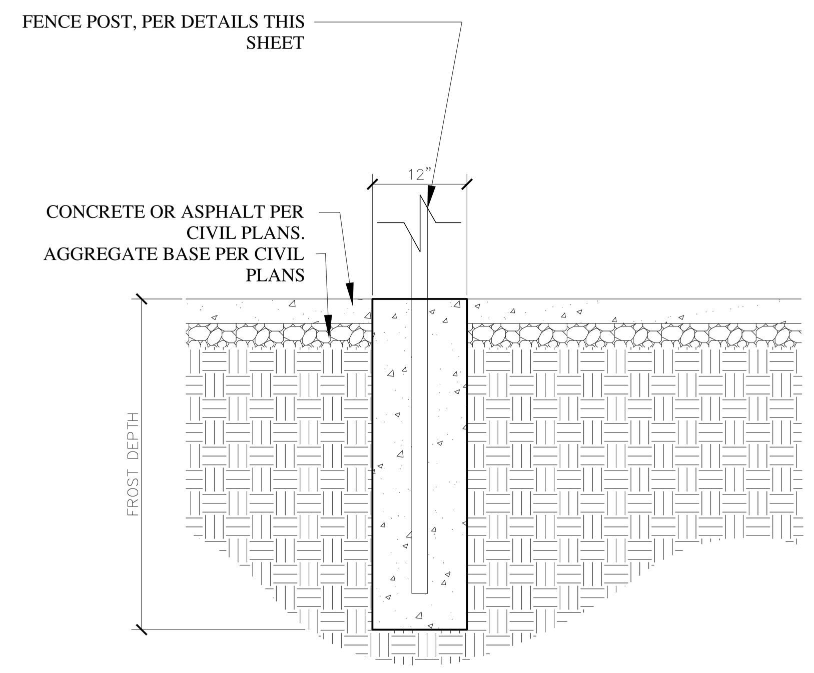


17 FENCE POST CURB ADJACENT TO ROCK



18 FENCE POST ADJACENT TO ROCK AND CONCRETE

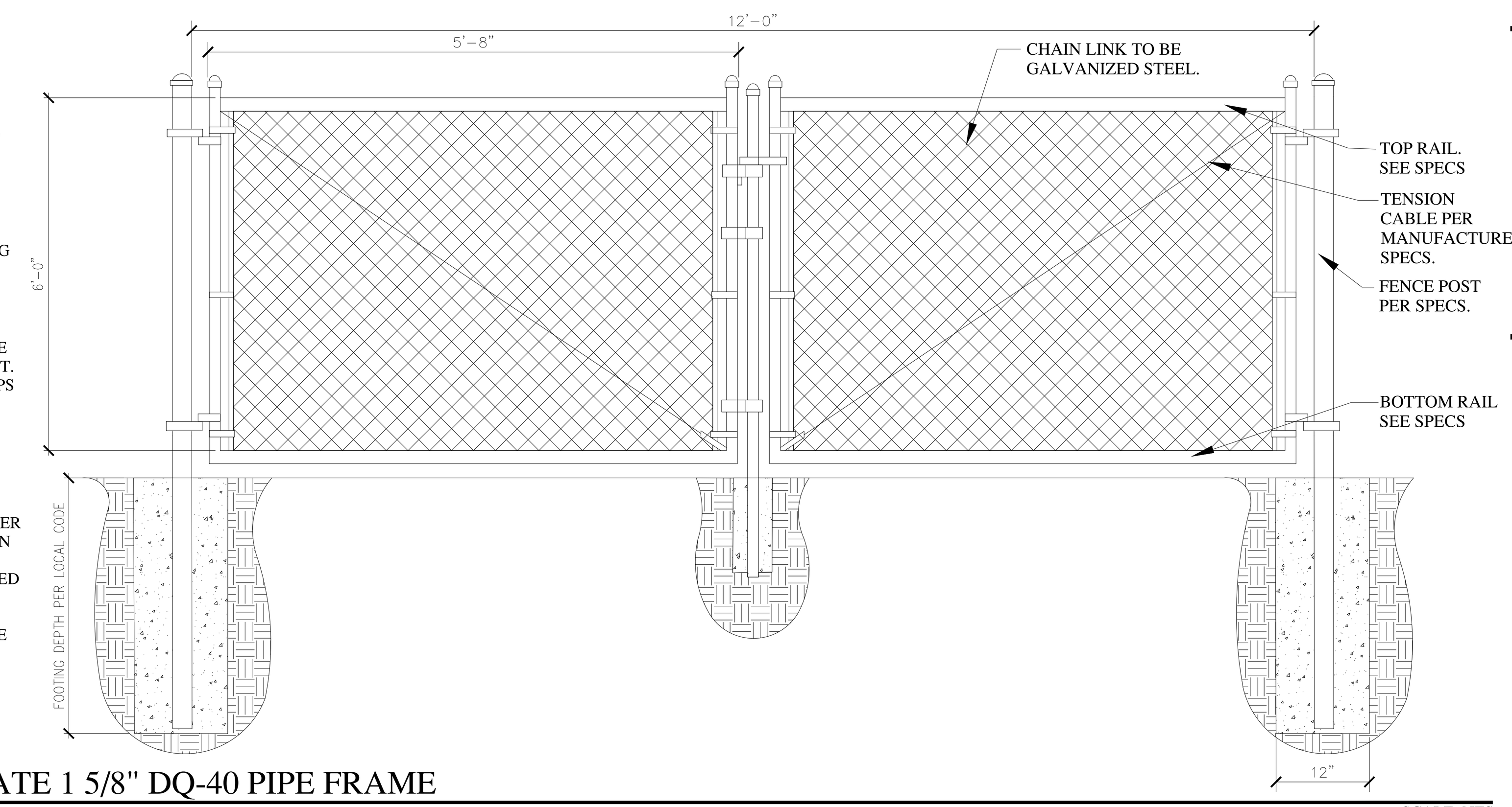
SCALE: NTS



19 FENCE POST ADJACENT TO CONCRETE

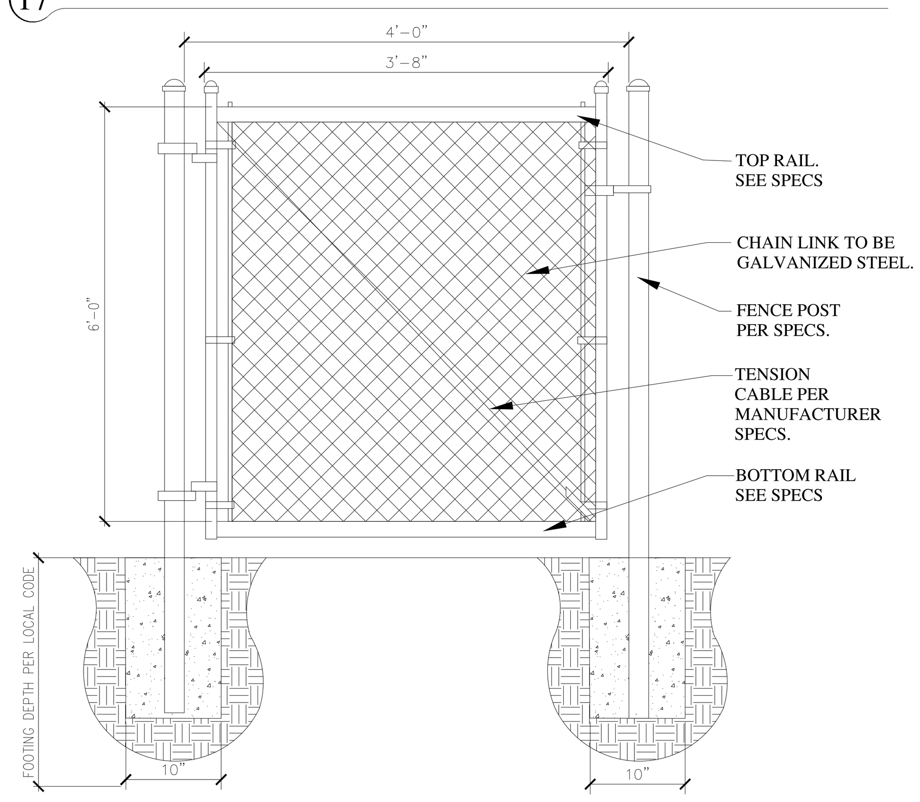
SCALE: NTS

NOTES:
1. FABRIC: 72" 11 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC
2. GATES: DOUBLE SWING GATE: FRAMEWORK OF 1 5/8" DQ-40 PIPE, 1.83 LBS PER FOOT
3. GATES BRACED AND TRUSSED AS NECESSARY. SAME FABRIC AS FENCE.
4. GATE POST: DOUBLE SWING GATE: 2 7/8" O.D. DQ-40 PIPE, 4.64 LBS PER FOOT. CONCRETE FOOTING:12" DIAMETER
5. FITTINGS: REGULAR BRACE BAND AND CARRIAGE BOLT. PS RAIL-END, PS EYE-TOP, PS CAP, 5/16" X 1 1/4" (REGULAR) TENSION BAR, REGULAR TENSION BAND AND CARRIAGE BOLT.
6. TIE WIRE: 7 1/2" 12 GA. GALVANIZED STEEL TIE WIRE SPACED 15" ON CENTER FOR LINE POSTS AND 18" ON CENTER FOR RAILS.
7. POST FOOTING: HAND MIXED POST FOOTING.
8. FENCING AVAILABLE THROUGH WESTERN FENCE CO.



20 12' DOUBLE GATE 1 5/8" DQ-40 PIPE FRAME

SCALE: NTS

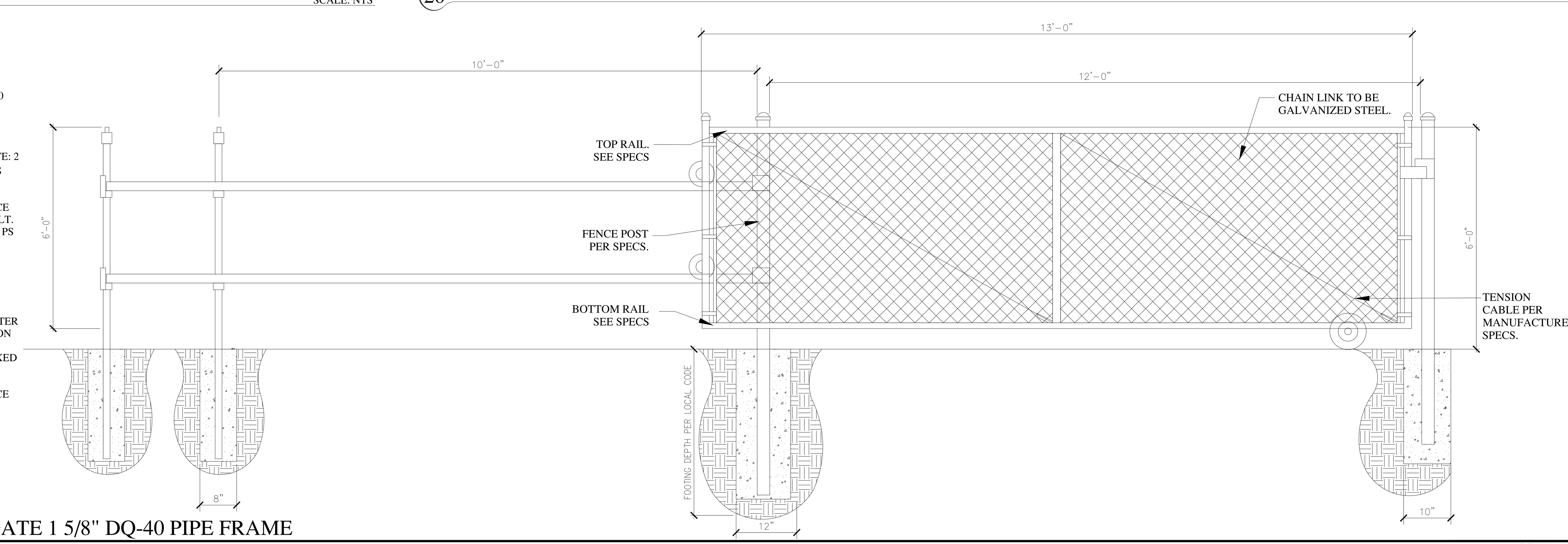


NOTES:
1. FABRIC: 72" 11 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC
2. GATES: SINGLE SWING GATE: FRAMEWORK OF 1 5/8" DQ-40 PIPE, 1.83 LBS PER FOOT
3. GATES BRACED AND TRUSSED AS NECESSARY. SAME FABRIC AS FENCE.
4. GATE POST: SINGLE SWING GATE: 2 7/8" O.D. DQ-40 PIPE, 3.12 LBS PER FOOT. CONCRETE FOOTING:10" DIAMETER
5. FITTINGS: REGULAR BRACE BAND AND CARRIAGE BOLT. PS RAIL-END, PS EYE-TOP, PS CAP, 5/16" X 1 1/4" (REGULAR) TENSION BAR, REGULAR TENSION BAND AND CARRIAGE BOLT.
6. TIE WIRE: 7 1/2" 12 GA. GALVANIZED STEEL TIE WIRE SPACED 15" ON CENTER FOR LINE POSTS AND 18" ON CENTER FOR RAILS.
7. POST FOOTING: HAND MIXED POST FOOTING.
8. FENCING AVAILABLE THROUGH WESTERN FENCE CO.

21 4' GATE 1 5/8" DQ-40 PIPE FRAME

SCALE: NTS

NOTES:
1. FABRIC: 72" 11 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC
2. GATES: ROLLING GATE: FRAMEWORK OF 1 5/8" DQ-40 PIPE, 1.83 LBS PER FOOT
3. GATES BRACED AND TRUSSED AS NECESSARY. SAME FABRIC AS FENCE.
4. GATE POST: ROLLING GATE: 2 7/8" O.D. DQ-40 PIPE, 4.64 LBS PER FOOT. CONCRETE FOOTING:12" DIAMETER
5. FITTINGS: REGULAR BRACE BAND AND CARRIAGE BOLT. PS RAIL-END, PS EYE-TOP, PS CAP, 5/16" X 1 1/4" (REGULAR) TENSION BAR, REGULAR TENSION BAND AND CARRIAGE BOLT.
6. TIE WIRE: 7 1/2" 12 GA. GALVANIZED STEEL TIE WIRE SPACED 15" ON CENTER FOR LINE POSTS AND 18" ON CENTER FOR RAILS.
7. POST FOOTING: HAND MIXED POST FOOTING.
8. FENCING AVAILABLE THROUGH WESTERN FENCE CO.



22 12' ROLLING GATE 1 5/8" DQ-40 PIPE FRAME

SCALE: NTS

A B C D E

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED LANDSCAPE ARCHITECT # 4884514 Cory B. Whiting STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

13643 SOUTH 700 EAST DRAPER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

FENCING DETAILS

CALL BEFORE YOU DIG! IT'S THE LAW BLUE STAKES 1 800 662 4111

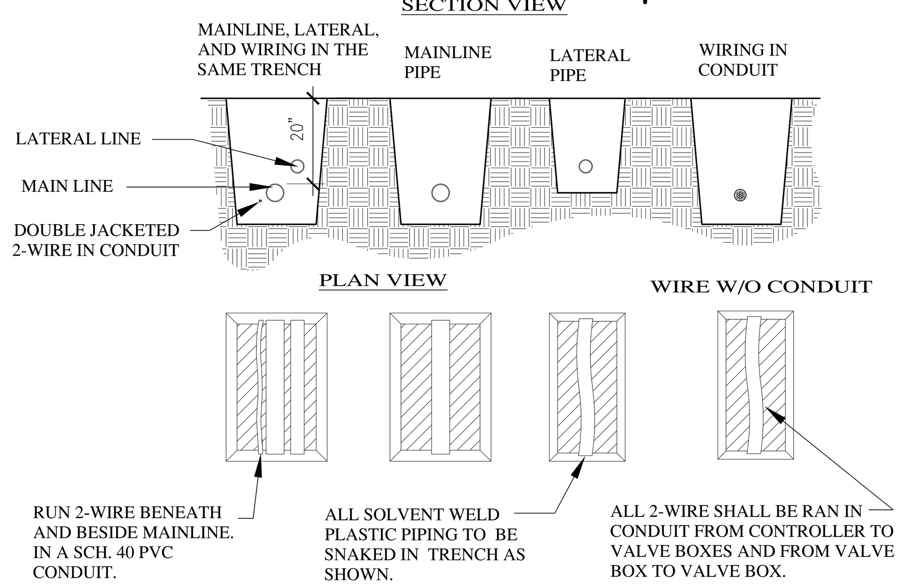
SHEET NUMBER

LS301

1 2 3 4 5 6 7

A B C D E

SECTION VIEW

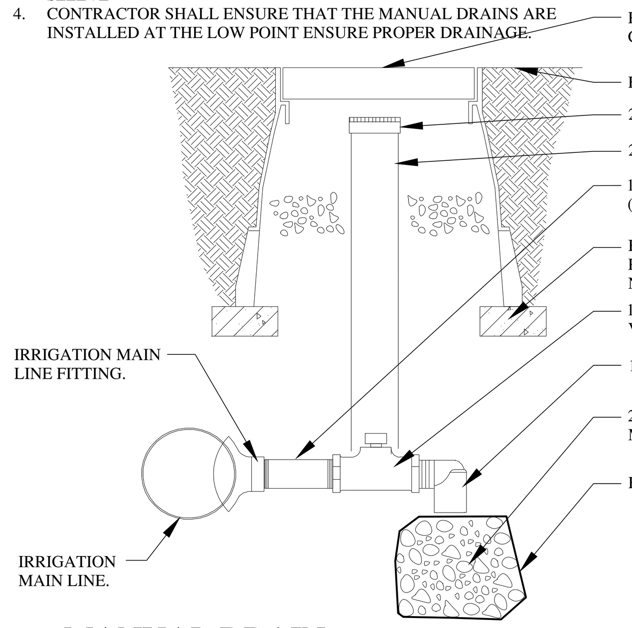


NOTES:
1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS (WITH CLASS 200, SCH. 40, SCH. 80 OR METAL ELECTRICAL CONDUIT PER SPECS.) TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
2. FOR PIPE AND WIRE BURIAL DEPTHS, SEE NOTES AND SPECS.
3. NO ELECTRICAL WIRE OR WIRE CHASES (EXCEPT FOR IRRIGATION CONTROL WIRE) SHALL BE INSTALLED IN IRRIGATION TRENCHES.
4. WHEN MULTIPLE PIPES ARE INSTALLED IN THE SAME TRENCH, A MINIMUM OF 6" HORIZONTAL AND VERTICAL DISTANCE BETWEEN PIPES IS REQUIRED.

1 PIPE, WIRE, AND TRENCH

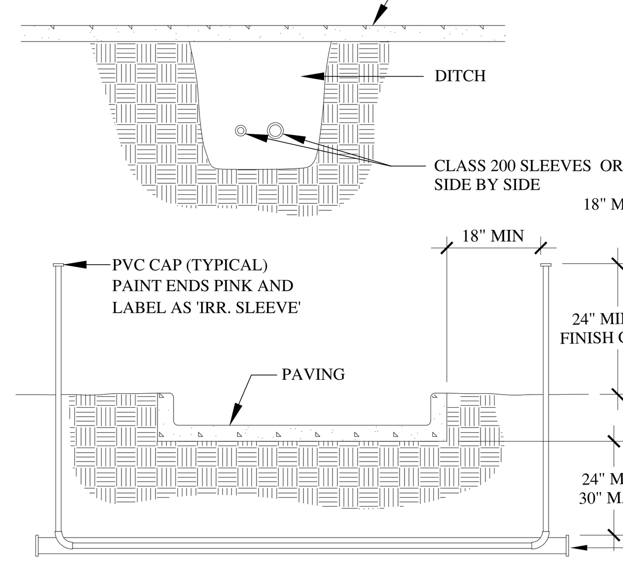
SCALE: NTS

NOTES:
1. INSTALL MANUAL DRAINS AT ISOLATION VALVE LOCATIONS.
2. PROVIDE OWNER WITH (2) VALVE KEYS.
3. AT CONTRACTORS DISCRETION, THE MANUAL DRAIN AS WELL AS THE ISOLATION VALVES MAY BE INSTALLED IN (1) 24" DIAMETER PVC PIPE WITH A CAST IRON LID. INSTALL MIN. 12" DEPTH OF GRAVEL IN BASE OF 24" DIAMETER SLEEVE
4. CONTRACTOR SHALL ENSURE THAT THE MANUAL DRAINS ARE INSTALLED AT THE LOW POINT ENSURE PROPER DRAINAGE.



2 MANUAL DRAIN

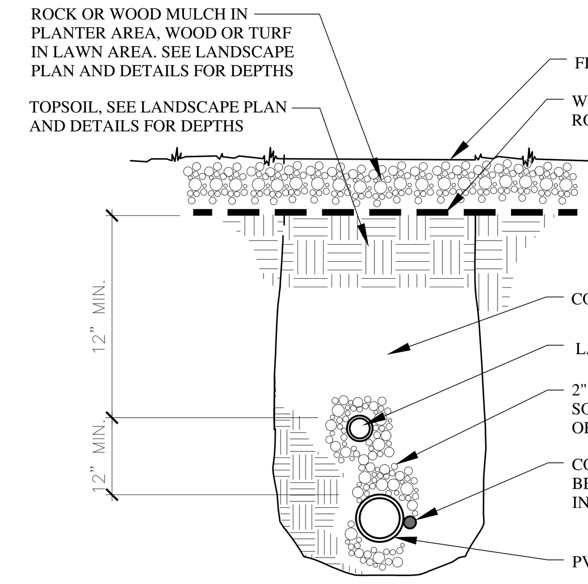
SCALE: NTS



NOTE:
1. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
2. ALL SLEEVES INSTALLED SHALL BE DUCT TAPED TO PREVENT DIRT OR OTHER DEBRIS ENTERING PIPE. ALL SLEEVES SHALL BE IDENTIFIED BY WOOD OR PVC STAKES AND BE SPRAY PAINTED WITH MARKING PAINT. REMOVE STAKES ONCE IRRIGATION SYSTEM IS COMPLETE.

3 SLEEVING

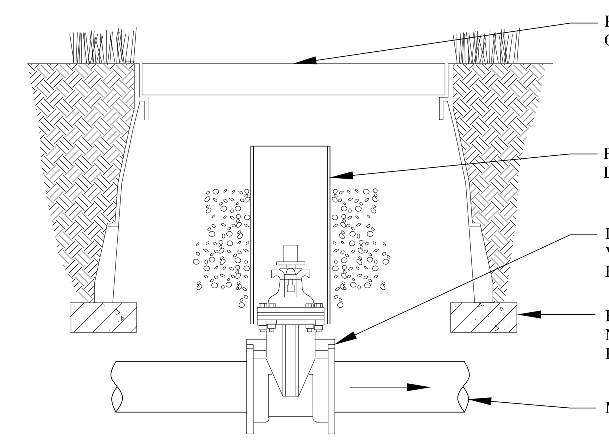
SCALE: NTS



NOTES:
1. PROVIDE SLEEVE FOR ALL CONTROL WIRE BETWEEN VALVE BOXES. INSTALL JUNCTION BOXES WHERE NECESSARY.
2. MAINLINE DEPTH SHALL BE 24" DEEP EXCEPT UNDER ASPHALT & CONCRETE PAVING WHERE IT SHALL BE MIN OF 24" & MAX OF 30". INSTALL ADDITIONAL FITTINGS & RESTRAINTS AS REQUIRED.
3. MAINLINE AND LATERAL LINES SHALL BE KEPT MIN. 12" FROM ALL SIDEWALKS AND CURBS.

4 TRENCH SECTION

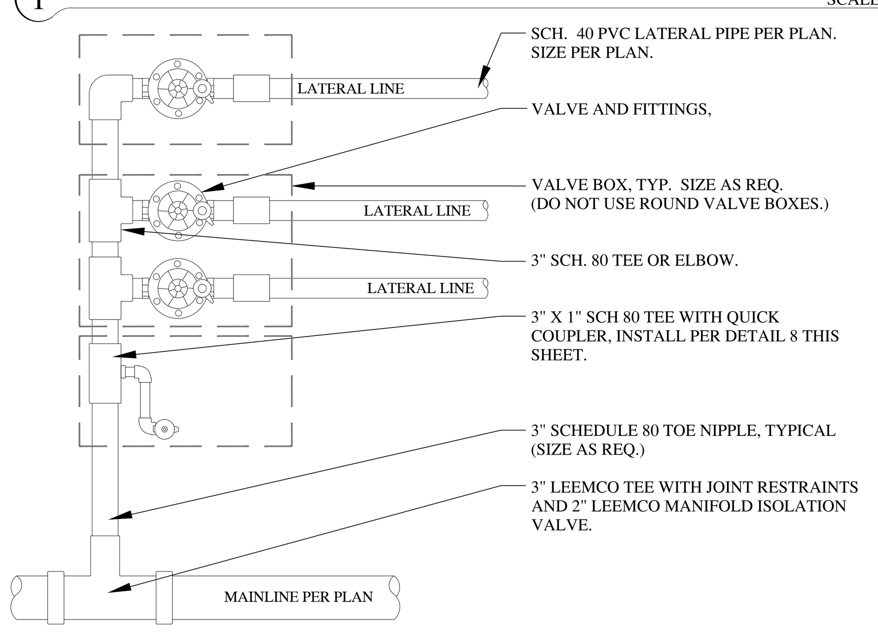
SCALE: NTS



NOTES:
1. PROVIDE OWNER WITH (2) OPERATING KEYS.
2. INSTALL FLANGE X BELL ADAPTER TO CONNECT PVC PIPE TO LEEMCO VALVE.
3. LINE SIZE ISOLATION VALVES AND FITTING.

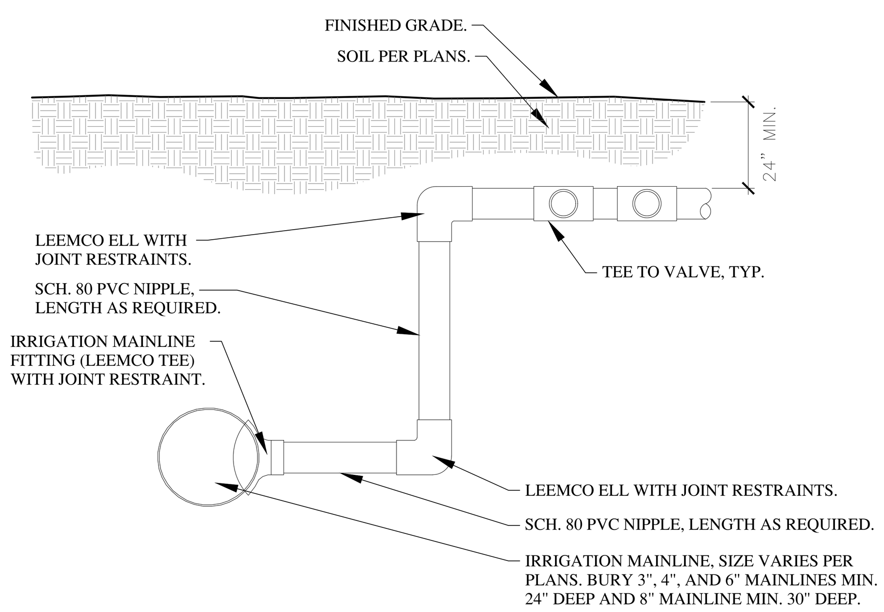
5 MAINLINE GATE VALVE

SCALE: NTS



PLAN VIEW

NOTES:
1. ALL VALVE MANIFOLD PIPING AND FITTINGS TO BE 3" SCH. 80 FITTINGS.
2. MODIFY MANIFOLD AS NECESSARY DEPENDING ON HOW MANY VALVES ARE IN A CLUSTER.
3. INSTALL THRUST BLOCK AT THE END OF VALVE MANIFOLD, TYP. FOR MORE INFO SEE DETAIL 6
4. INSTALL LEEMCO FITTINGS AND JOINT RESTRAINTS FOR ALL MAINLINE FITTINGS 3" AND LARGER.



SECTION VIEW

6 VALVE MANIFOLD WITH LEEMCO FITTINGS AND JOINT RESTRAINTS

1" = 1'-0"

DISTANCE CHART

REFER TO THE FOLLOWING TABLE THAT LISTS THE LENGTH (IN FEET) FOR EACH SIZE/TYPE FITTING WITHIN WHICH ALL JOINTS MUST BE RESTRAINED. ALL FITTINGS AND JOINT RESTRAINTS SHALL BE INSTALLED PER LEEMCO MANUFACTURERS RECOMMENDATIONS & SPECIFICATIONS.

AS AN EXAMPLE, IF YOU ARE INSTALLING A 3" MAINLINE WITH A DIRECTIONAL CHANGE OF 90°, REFER TO CHART UNDER PIPE SIZE TO 3" AND UNDER BENDS 90 YOU WILL SEE THE DISTANCE OF 11'. IF THERE IS ANY JOINT (VALVE, BELL, ETC.) YOU MUST INSTALL A JOINT RESTRAINT WITHIN 11' OF THE 90° MAINLINE DIRECTIONAL CHANGE.

PIPE SIZE	BENDS				REDUCERS			DEAD END	
	11°	22°	45°	90°	1 STEP	2 STEP	3 STEP	BLIND	SERV. B.
2"	1'	1'	2'	6'	-	-	-	19'	6'
2.5"	1'	2'	4'	9'	4'	-	-	23'	10'
3"	2'	3'	6'	11'	8'	10'	-	30'	15'
4"	2'	4'	9'	20'	14'	20'	31'	45'	25'
6"	3'	6'	13'	29'	30'	40'	53'	63'	40'
8"	4'	8'	15	38'	33'	55'	63'	75'	70'
10"	5'	9'	19'	45'	36'	56'	75'	96'	90'
12"	5'	10'	21'	53'	38'	60'	83'	112'	110'

NOTES:
1. JOINT RESTRAINTS ARE REQUIRED FOR ALL 3" & 4" MAINLINE.
2. PIPE SMALLER THAN 3" WILL NOT NEED JOINT RESTRAINTS OR THRUST BLOCKS.
3. LEEMCO FITTINGS SHALL BE USED AT ALL CHANGES IN DIRECTION FOR 3" & 4" MAINLINE.
4. INSTALL LEEMCO JOINT AND PIPE TO PIPE RESTRAINT SYSTEM PER MANUFACTURERS RECOMMENDATIONS.

INSTALLATION CHART

REFER TO THE FOLLOWING TABLE WHICH LISTS THE NUMBER OF BOLTS, SIZE, AND TORQUE FOR EACH BOLT IN REFERENCE TO THE SIZE OF PIPE WHICH IS BEING RESTRAINED.

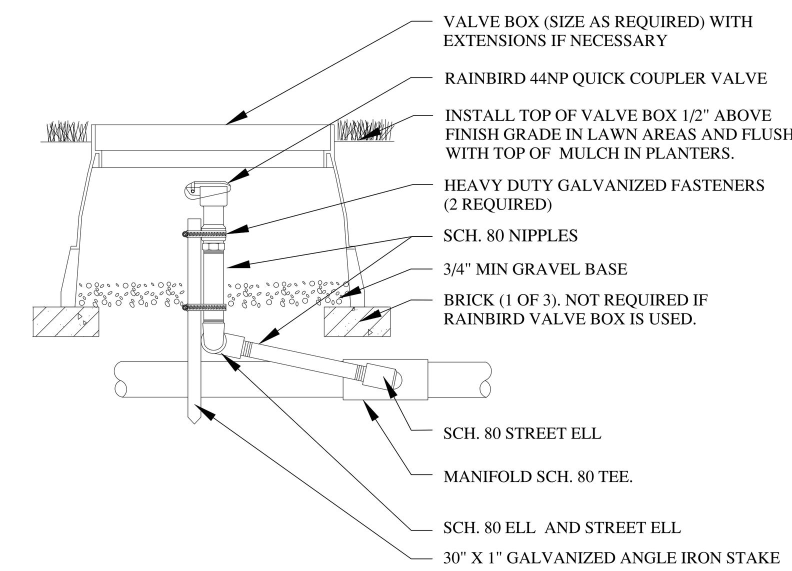
AS AN EXAMPLE, IF YOU HAVE A 3" PIPE, YOU WILL NEED 2 BOLTS THAT ARE 3/8 X 2.5" AND TIGHTEN THEM WITH A TORQUE WRENCH TO 20 FT-LBS.

PIPE SIZE	NO. BOLTS	BOLT SIZE	TORQUE FT-LBS.
2"	2	3/8" x 2.5"	20
2.5"	2	3/8" x 2.5"	20
3"	2	3/8" x 2.5"	20
4"	2	1/2" x 3"	50
6"	2	1/2" x 3.5"	50
8"	4	1/2" x 4"	50
10"	4	5/8" x 5.5"	100
12"	4	5/8" x 5.5"	100

CONTACT THE LEEMCO REPRESENTATIVE FOR ALL QUESTIONS CONCERNING LEEMCO PRODUCTS. COORDINATE AN INSTALLATION CLINIC WITH REP. PRIOR TO INSTALLING THE MAINLINE. CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO REP. PRIOR TO INSTALLATION CLINIC.

7 JOINT RESTRAINT CHART

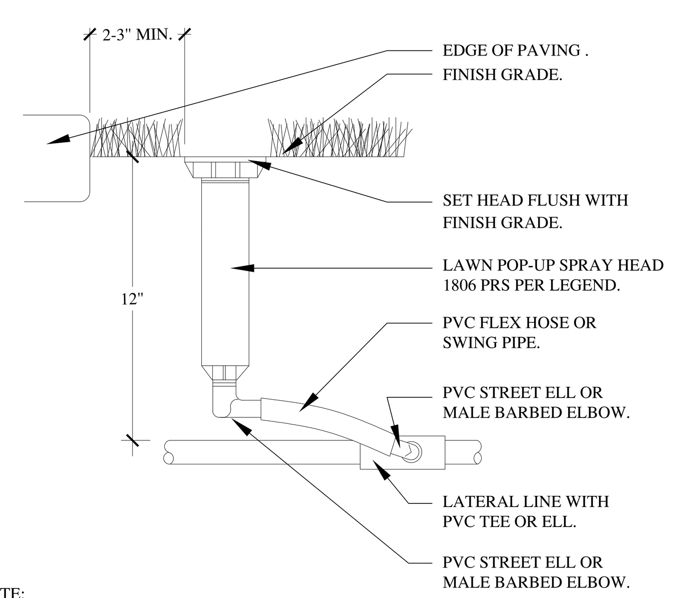
1" = 1'-0"



NOTES:
1. FLUSH ALL PIPING PRIOR TO INSTALLING VALVE.
2. WRAP ALL THREADS WITH TEFLON TAPE. 1 1/2 TO 2 WRAPS MAXIMUM.
3. COMPACT SOILS AROUND VALVE BOX TO 80% OF ORIGINAL DRY DENSITY.
4. INSTALL GEOFABRIC UNDER VALVE BOXES AND TAPE TO PIPE NIPPLES AND VALVE BOX.
5. BOX COLOR - GREEN IN TURF AND TAN IN PLANTER AREAS.
6. IRRIGATION SYSTEM TO BE BLOWN OUT WITH AIR COMPRESSOR THROUGH THE RPZ AND QUICK COUPLERS BEFORE FREEZING TEMPERATURES OCCUR, TYP.
7. SCH 80 PVC TEE OR ELL'S CAN BE USED ON ALL QUICK COUPLERS EXCEPT AT POINT OF CONNECTION (IF QUICK COUPLER(S) ARE INSTALLED AT THE POINT OF CONNECTION). ALL QUICK COUPLER FITTINGS AND NIPPLES AT P.O.C. QUICK COUPLER(S) TO BE GALVANIZED.

8 QUICK COUPLER VALVE

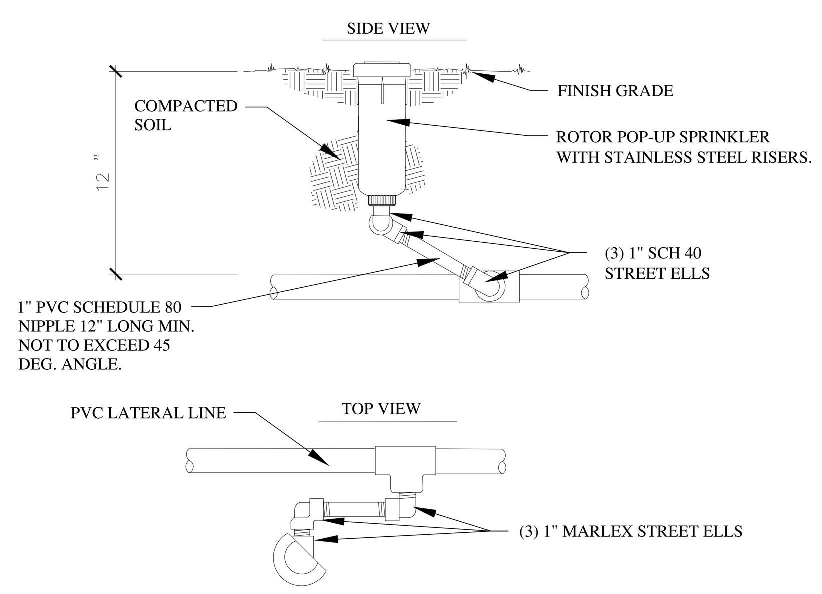
SCALE: NTS



NOTE:
1. USE VAN OR HE VAN NOZZLES AS NEEDED TO KEEP WATER OFF SIDEWALK AND BUILDING.
2. LATERAL LINES SHALL BE KEPT MIN. 12" FROM ALL SIDEWALKS AND CURBS.
3. INSTALL SAM FEATURE FOR SLOPED LAWN AREAS WHERE LOW HEAD DRAINAGE MAY OCCUR.

9 POP-UP SPRAY

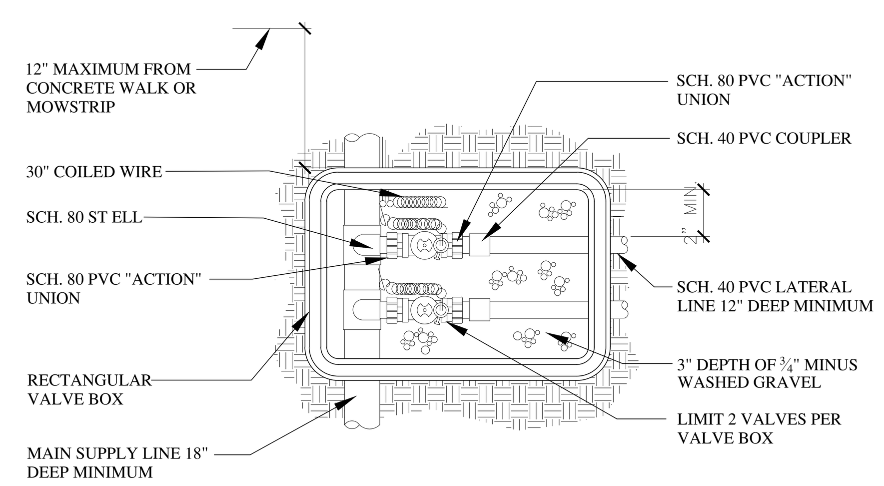
SCALE: NTS



NOTES:
1. INSTALL ROTORS 2"-3" AWAY FROM HARDSCAPE PAVING AND 12" AWAY FROM WALLS, BUILDINGS, FENCES OR OTHER STRUCTURES.
2. ALL ROTORS TO HAVE STAINLESS STEEL RISERS.
3. FOR ROTORS WITH FLOWS LESS THAN 8 GPM, STREET ELLS, TEES AND NIPPLES MAY BE ¾" IN SIZE.
4. LATERAL LINES SHALL BE KEPT MIN. 12" FROM ALL SIDEWALKS AND CURBS.

10 ROTOR HEAD

SCALE: NTS

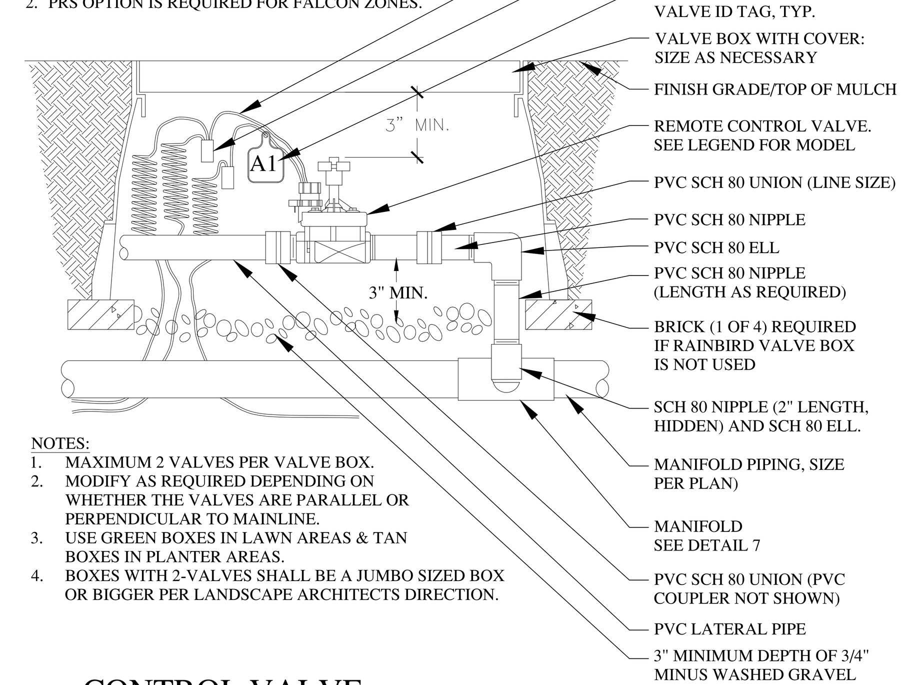


NOTE:
1. ADD PRE-PRINTED CHRISTY I.D. TAGS TO ALL NEW CONTROL VALVES AND CONTROL ZONE KITS. COORDINATE AND LABEL ALL CONTROL WIRE AT CONTROLLER WITH EACH VALVE IN THE FIELD, TYP.

11 VALVE ASSEMBLY

SCALE: NTS

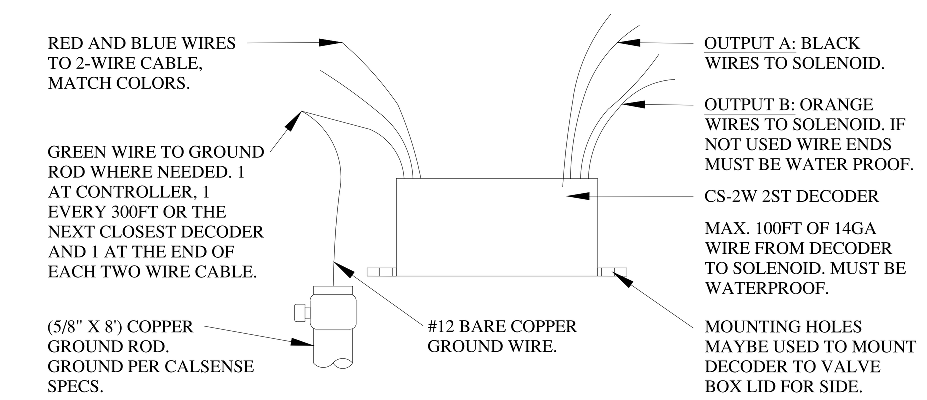
NOTES:
1. THE PRS OPTION FOR CONTROL VALVES CAN BE DELETED IF THE STATIC PRESSURE AT THE VALVE IS LESS THAN 70PSI ON SPRAY AND ROTARY ZONES, AND LESS THAN 75PSI ON 5000 SERIES ROTOR ZONES.
2. PRS OPTION IS REQUIRED FOR FALCON ZONES.



NOTES:
1. MAXIMUM 2 VALVES PER VALVE BOX.
2. MODIFY AS REQUIRED DEPENDING ON WHETHER THE VALVES ARE PARALLEL OR PERPENDICULAR TO MAINLINE.
3. USE GREEN BOXES IN LAWN AREAS & TAN BOXES IN PLANTER AREAS.
4. BOXES WITH 2-VALVES SHALL BE A JUMBO SIZED BOX OR BIGGER PER LANDSCAPE ARCHITECTS DIRECTION.

12 CONTROL VALVE

SCALE: NTS



2-WIRE PRODUCT NOTES:
1. MAXIMUM 100FT OF HUNTER 14 GAUGE WIRE FROM DECODER TO SOLENOID. IF WIRES NOT USED THE ENDS MUST BE WATER PROOF.
2. CONTRACTOR SHALL USE 3M SCOTCHCAST #3570G-N EPOXY PACKS FOR ALL WIRE CONNECTIONS.
3. REQUIRED POST INSTALLATION WALK THROUGH WITH CONTRACTOR, OWNER AND CALSENSE STAFF MEMBER, PRIOR TO FINAL ACCEPTANCE.
4. GROUNDING SHALL BE PLACED AT THE END OF LINE AND EVERY 300FT BACK TO CONTROLLER, AT NEAREST DECODER.
5. GROUNDING ROD SHALL BE 8FT FROM 2 WIRE PATH.
6. DECODERS ARE 2 VALVE ONLY. CONTRACTOR CAN RUN UP TO 100FT AWAY WITH 14GA FROM DECODER TO VALVE. **RECOMMENDED:** USE EXTRA DECODER WIRE IN DIFFERENT COLOR FROM MAIN WIRE PATH.
7. CONTRACTOR IS RESPONSIBLE TO INSTALL AS PER CALSENSE REQUIREMENTS. **RECOMMENDED:** PRE-CONSTRUCTION MEETING
8. CONTACT CALSENSE REP. KEITH SCHWEIGER (303-229-1372) FOR PRODUCT INFORMATION.

13 CALSENSE 2-WIRE 2-STATION DECODER

SCALE: NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED LANDSCAPE ARCHITECT # 4884514 Cory B. Whitting STATE OF UTAH

CONSULTANT INFORMATION

In Site DESIGN GROUP
Landscape Architecture Land Planning

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024
PROJECT #: 24-013
PM / PA: CBW
PIC: HAH

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

IRRIGATION DETAILS

SHEET NUMBER

LS400

CODE ANALYSIS & BUILDING CRITERIA

BUILDING OCCUPANCY ANALYSIS

	CCHS FIELDHOUSE
Area (S.F.)	36,997 SF
Total Design Occupancy	2,001

PATH LEGEND

COMMON PATH — EGRESS PATH — FEC PATH

DEFERRED SUBMITTALS

Fire Protection Sprinkler Drawings - Section 211310

Fire Alarm Drawings - Section 283123

DEFERRED SUBMITTALS ARE TO BE MADE IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE 2018 INTERNATIONAL BUILDING CODE. DEFERRED SUBMITTAL DOCUMENTS SHALL RESUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED. THE DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE BUILDING OFFICIAL HAVING JURISDICTION PRIOR TO INSPECTIONS. THE WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

FINISHES ANALYSIS

Roof Table 1505	
Provided	Class A
Interior Walls & Ceilings	
Provided @ Egress Enclosures & passages	Class B
Provided @ Corridors & other exit ways	Class C
Provided @ Room & Enclosures	Class C
Interior Floors	
Provided	Class 1 & 2

BUILDING EGRESS ANALYSIS

	CCHS FIELDHOUSE
Required Points of Egress Table 1006.3.3	4
Actual points of Egress	7 **COMPLIANT**
Min. Required Corridor Width Table 1020.2	76"
Actual Min. Corridor Width	76" **COMPLIANT**
Max. Allowable Dead End	50'
Actual Max. Dead End	0' **COMPLIANT**
Max. Allowable Common Path of Egress Table 1006.2.1	75'
Actual Max. Common path of Egress	27' **COMPLIANT**
Max. Allowable Travel Distance 1017.2	250'
Actual Max. Travel Distance	113' **COMPLIANT**

EGREES TRAVEL PATH

Type	Egress Path Length
COMMON PATH 1-1	26'-9 1/4"
EGRESS PATH 1-1	87'-3 5/8"
EGRESS PATH 1-2	113'-5 1/8"
EGRESS PATH 1-3	108'-8 1/4"

CODE ANALYSIS

	CCHS FIELDHOUSE
Occupancy Section 305	E
Construction Type Section 602	II-B
Fire-Sprinkler System Section 903	YES, Fully Sprinkled NFPA 13
Allowable Stories Section 504.4	3
Actual Stories	1 **COMPLIANT**
Allowable Height 504.4	75'-0"
Actual Height	38'-10" **COMPLIANT**
Base Allowable Floor Area (A_t) Table 506.2	58,000 SF per story
Non Sprinkled Allowable Area (NS) Table 506.2	14,500 SF
Building Perimeter with Frontage (F) Section 506.3.2	784'-0"
Building Perimeter (P)	784'-0"
Weighted Average Frontage Width (W) Section 506.3.2	30
Frontage Increase Factor (I_f = [F/P-0.25] X W/30) Section 506.3	.75
Total Allowable Area (A_a=A_t +[NS X I_f]) Section 506.2	68,875 SF per story
Actual Main Floor Square Footage	37,872 SF **COMPLIANT**
Actual Mezzanine Square Footage	2,260 SF **COMPLIANT**
Total Area	39,632 SF

OCCUPANCY/EXITING LEGEND

OCCUPANCY TYPE (1BC CH.3) — OCCUPANT LOAD — OCCUPANT LOAD — DIRECTION OF EGRESS

E 10 CLS 20 — 155 24" — 208 32" 36"

REQUIRED WIDTH — WIDTH PROVIDED — REQUIRED WIDTH

OCCUPANT LOAD FACTOR

OCCUPANT LOAD TYPE (IBC 1004 1.2)

LOAD TYPE	LOAD FACTOR	LOAD TYPE	LOAD FACTOR
ACC	300 gross	EXE	50 gross
AGG	300 gross	FAB	200 gross
HAN	500 gross	IND	100 gross
TER	20 gross	TRT	240 gross
BAC	300 gross	OUT	100 gross
BAH	100 gross	SLP	120 gross
CON	15 gross	KIT	200 gross
GAM	11 gross	RED	50 net
EXH	30 net	STA	100 gross
FIX	see section 1004.6	LOC	50 gross
CHR	7 net	MAL	see section 402.8.2
STD	5 net	MER	60 gross
UNC	15 net	STO	300 gross
BOW	7 net	PRK	200 gross
BUS CON CRT	150	RES	200 gross
		REC	50 gross
DAY	35 net	DEC	15 gross
DOR	50 gross	STG	15 net
CLS	20 net	WAR	500 gross
VOC	50 net	*** PER FIRE MARSHALL	35 net

OCCUPANCY TYPES

A1, A2, A3, A4, A5	ASSEMBLY
B	BUSINESS
E	EDUCATIONAL
F1, F2	FACTORY AND INDUSTRIAL
H1, H2, H3, H4, H5	HIGH HAZARD
11, 12, 13, 14	INSTITUTIONAL
M	MERCANTILE
R1, R2, R3, R4	RESIDENTIAL
S1, S2	STORAGE
U	UTILITY AND MISCELLANEOUS

PLUMBING FIXTURE ANALYSIS (IBC 2021)

Building to be an auxiliary building of existing. Occupancy from existing facility.

Required Water Closet Male	0	
Provided Water Closet Male	5	*COMPLIANT*
Required Water Closet Female	0	
Provided Water Closet Female	5	*COMPLIANT*
Required Water Closet Unisex	0	
Provided Water Closet Unisex	3	*COMPLIANT*
Required Lavatories Male	0	
Provided Lavatories Male	4	*COMPLIANT*
Required Lavatories Female	0	
Provided Lavatories Female	4	*COMPLIANT*
Required Lavatories Unisex	0	
Provided Lavatories Unisex	3	*COMPLIANT*
Required Drinking Fountains	0	
Provided Drinking Fountains	2	*COMPLIANT*
Required Service Sinks	0	
Provided Service Sinks	1	*COMPLIANT*

FIRE EXTINGUISHER LEGEND

- BRACKET MOUNTED
- SEMI-RECESSED
- SEMI-RECESSED CABINET WITH TYPE K EXTINGUISHER

APPLICABLE CODES AND STANDARDS

- *2021 INTERNATIONAL BUILDING CODE.*
- *2021 INTERNATIONAL FIRE CODE.*
- *2021 INTERNATIONAL MECHANICAL CODE.*
- *2021 INTERNATIONAL PLUMBING CODE*
- *2021 INTERNATIONAL FUEL GAS CODE.*
- *2020 NATIONAL ELECTRICAL CODE.*
- *ASHRAE 90.1 (2018 STANDARD)*
- *ICC 117.1 -2009*
- NFPA 101 - LIFE SAFETY CODE, 2009 EDITION
- UTAH STATE CODE AMENDMENTS, EFFECTIVE 1 JULY 2023

SEPARATION LEGEND

ONE-HOUR VERTICAL EXTERIOR ENCLOSURE (FIRE BARRIER).

ONE-HOUR FIRE PARTITION.

TWO-HOUR FIRE PARTITION (FIRE BARRIER).

SMOKE PARTITION.INCIDNTAL USE RESITANT TO SMOKE PASSAGE

ONE-HOUR FIRE SEPARATION.(CEILING)

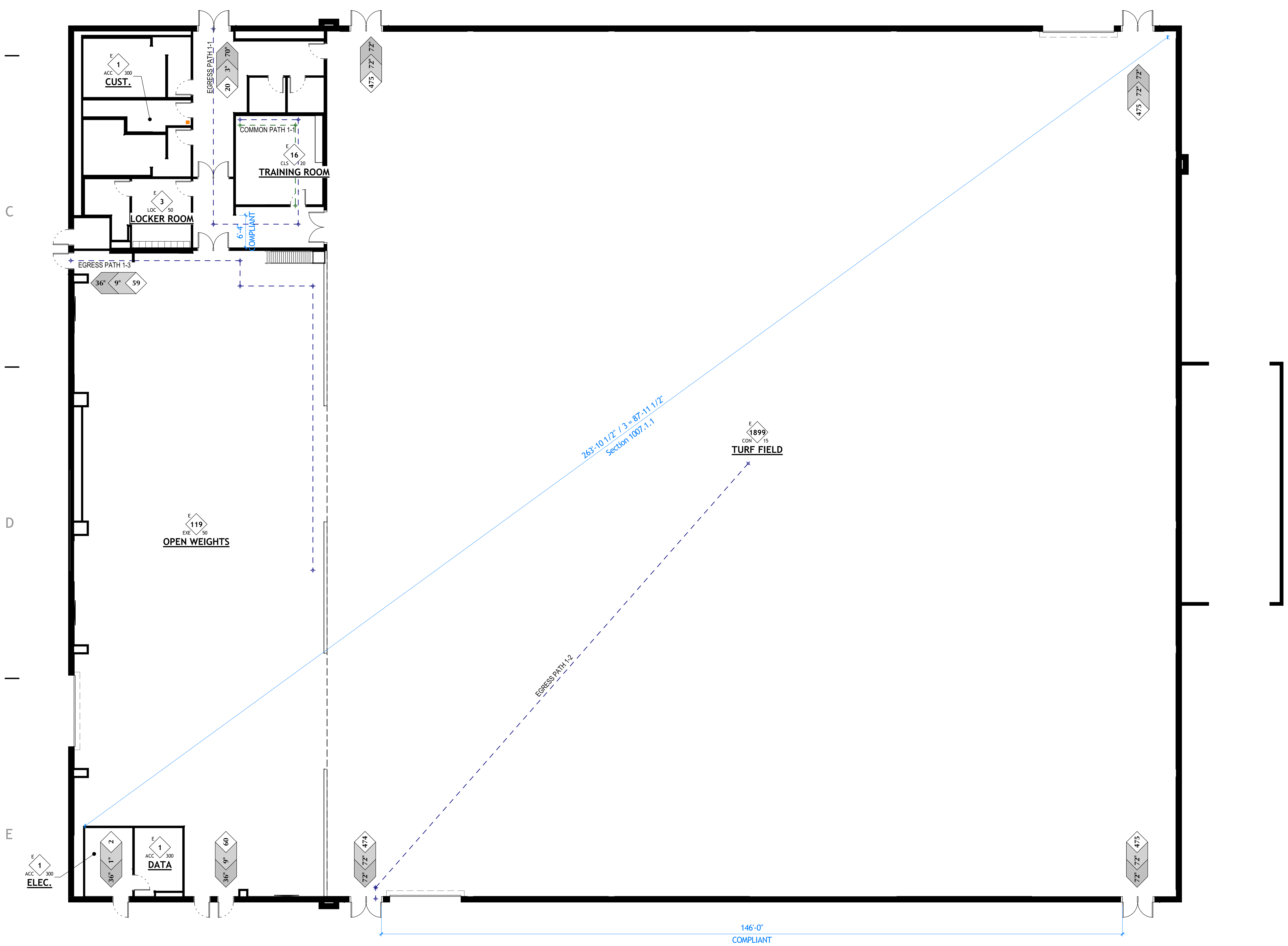
##' COMMON PATH OF TRAVEL TO EXIT

##' PATH OF TRAVEL TO EXIT

##' DEAD END

NOTE:

2-HR SEPARATION WALLS SHALL CONSIST OF MASONRY; FIRE RATED DOORS, SMOKE AND FIRE DAMPERS AND ALL OTHER REQUIRED ELEMENTS TO CREATE A COMPLETED FIRE ASSEMBLY.



LEVEL 1 LIFE SAFETY PLAN

A001 | SCALE: 3/32" = 1'-0"

GENERAL NOTES

A. SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.

B. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH PRE-FORMED MINERAL WOOL OR SOLID GROUT. SEE WALL TYPES AND SECTIONS FOR TYPCIAL DETAILS.

C. THIS PROJECT SHALL BE INSTALLED ACCORDING TO THE LATEST EDITON OF THE FOLLOWING STANDARDS AND AMENDMENTS TO THEM AS ADOPTED BY THE AUTHORITY HAVING JURSIDICTION.
- IBC (International Building Code)
- NEC (National Electrical Code)
- NFPA (National Fire Protection Association)
- UL (Underwriters Laboratories, Inc.)
- NEMA (National Electrial manufactuer's Association)
- IFC (International Fire Code)
- IECC (International Energy Conservation Code)
- IEC (international Electrical Code)
- State and Local Buildign Authority and Code

D. REFER TO SPECIFICAION SECTION 078413-7 THRU 078413-10 FOR PENETRATION AND FIRE STOPPING REQUIRMENTS.

CORE ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT CURTIS LELAND LIVINGSTON No. 10606440 STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

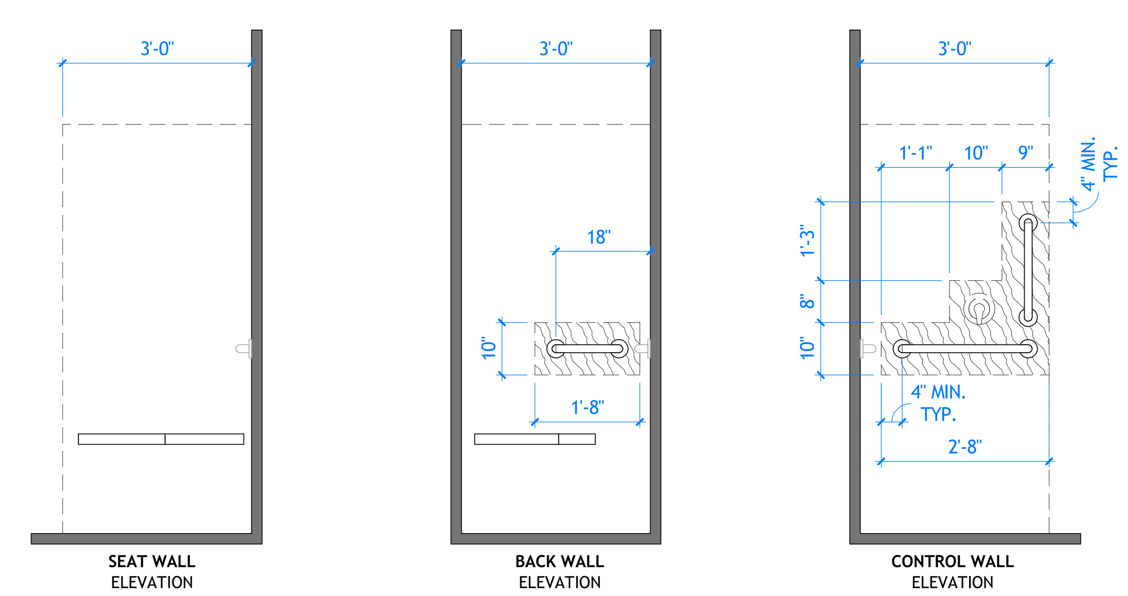
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

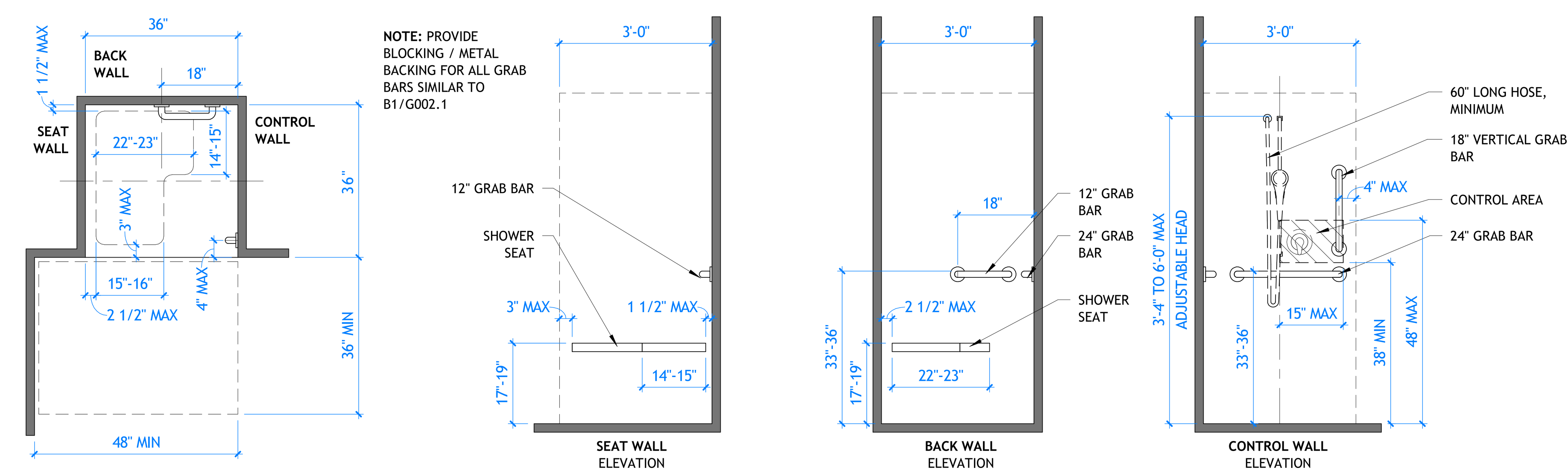
CODE COMPLIANCE PLAN

SHEET NUMBER

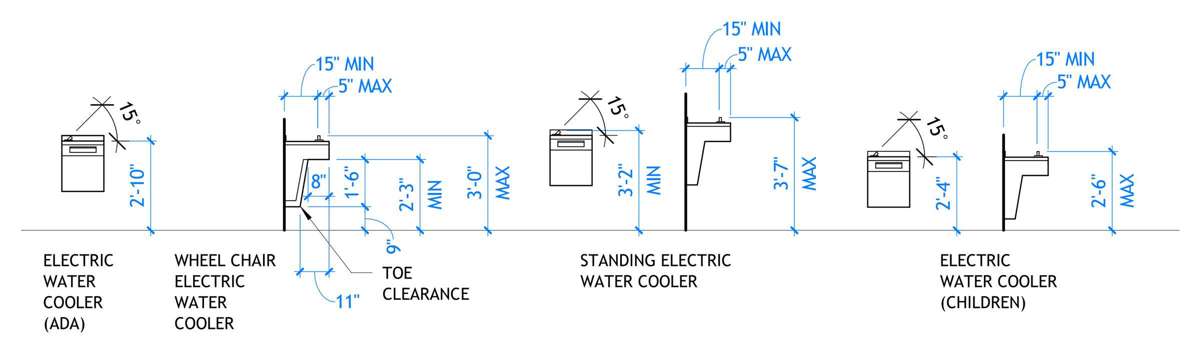
A001



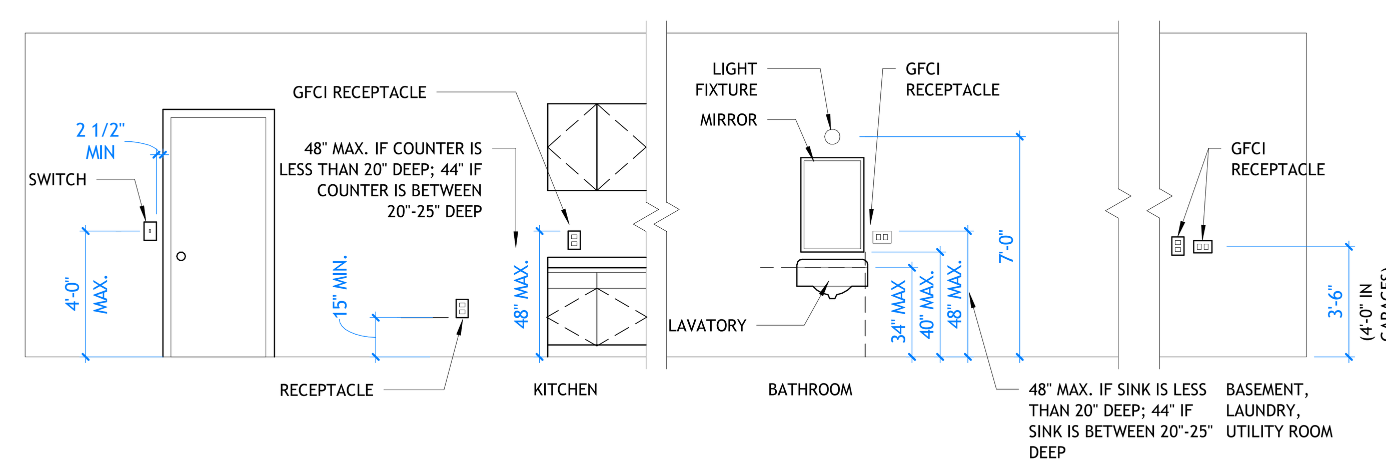
C3 TYPICAL SHOWER ACCESSORY BLOCKING
A003 | SCALE: 1/2" = 1'-0"



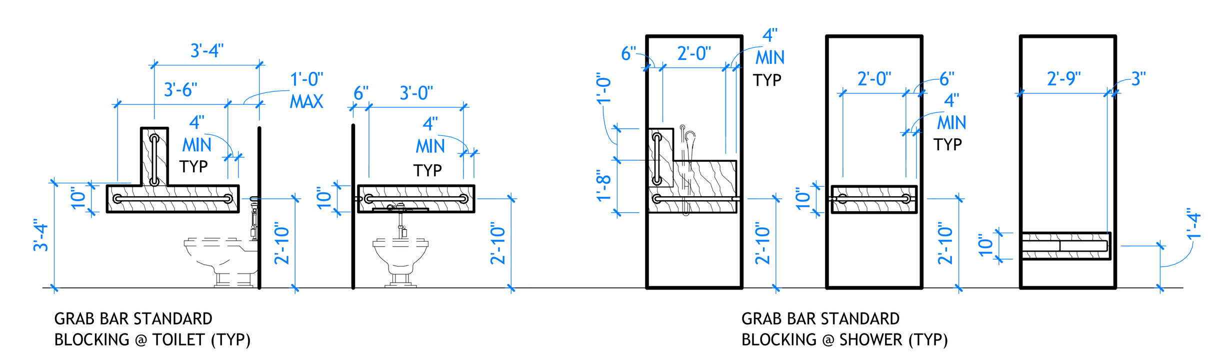
C5 TYPICAL SHOWER ACCESSORY HEIGHTS
A003 | SCALE: 1/2" = 1'-0"



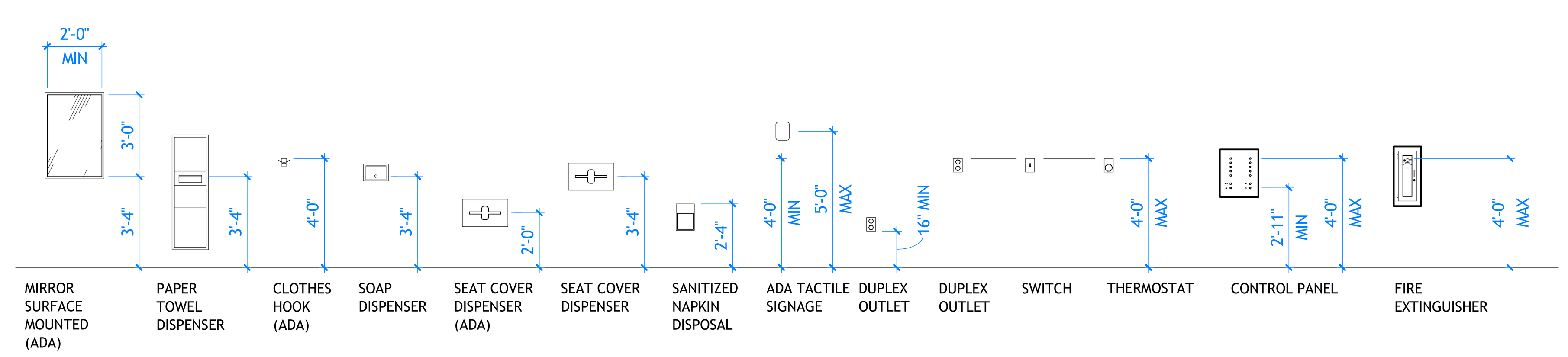
D2 TYPICAL ACCESSORY HEIGHTS
A003 | SCALE: 1/4" = 1'-0"



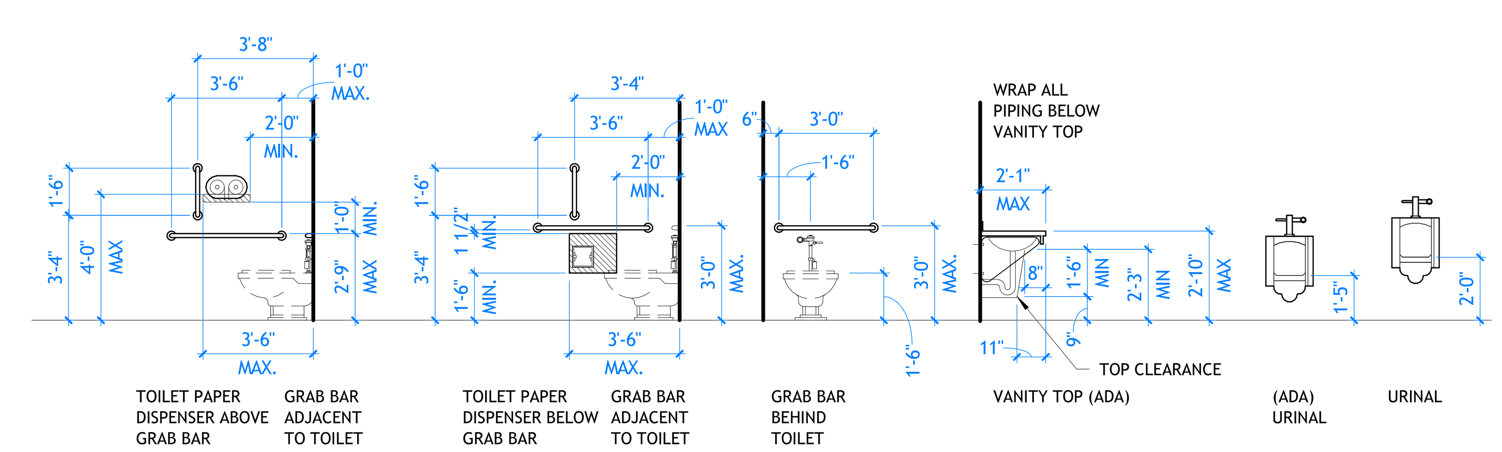
D3 TYPICAL ACCESSORY HEIGHTS
A003 | SCALE: 1/4" = 1'-0"



D6 TYPICAL BLOCKING DETAILS
A003 | SCALE: 1/4" = 1'-0"



E3 TYPICAL ACCESSORY HEIGHTS
A003 | SCALE: 1/4" = 1'-0"



E5 TYPICAL ACCESSORY HEIGHTS
A003 | SCALE: 1/4" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

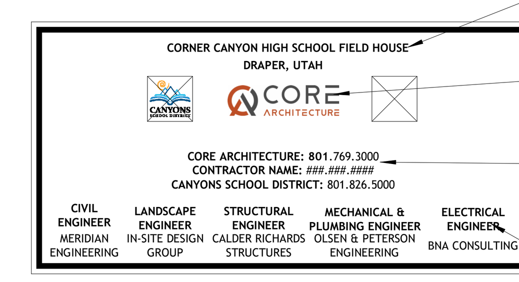
SHEET TITLE

ACCESSIBILITY COMPLIANCE

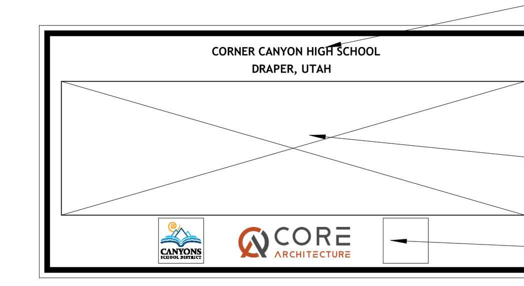
SHEET NUMBER

A003

PROVIDE PROOF OF THESE SIGNS TO ARCHITECT BEFORE PRINTING



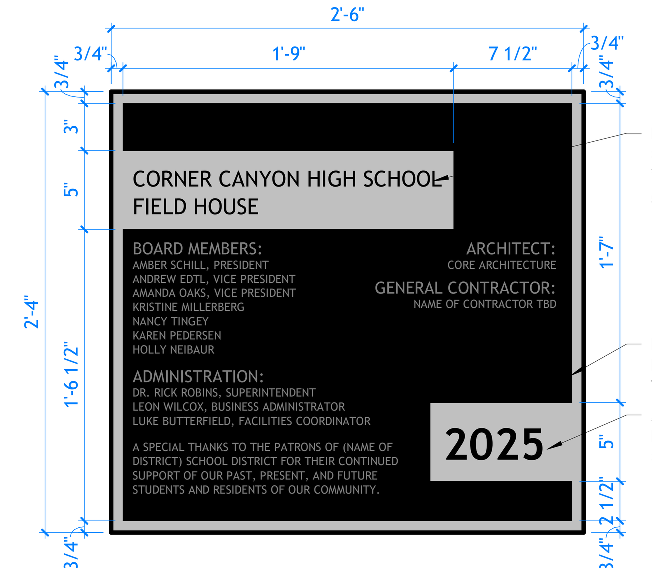
PROVIDE 4'-0" X 8'-0", 3/4" THICK EXTERIOR PLYWOOD MOUNTED ON (2) 4" X 4" WOOD POSTS
DARK BLACK COLOR FOR LETTERS, LINES AND OWNER'S LOGO OVER A WHITE BACKGROUND
PROJECT IDENTIFICATION SIGN TO BE LOCATED AS DIRECTED BY ARCHITECT REFER TO SECTION 01500 FOR ADDITIONAL PROJECT IDENTIFICATION SIGN DETAILS



PROVIDE 4'-0" X 8'-0", 3/4" THICK EXTERIOR PLYWOOD MOUNTED ON (2) 4" X 4" WOOD POSTS
DARK BLACK COLOR FOR LETTERS, LINES AND OWNER'S LOGO OVER A WHITE BACKGROUND
PROJECT IDENTIFICATION SIGN TO BE LOCATED AS DIRECTED BY ARCHITECT REFER TO SECTION 01500 FOR ADDITIONAL PROJECT IDENTIFICATION SIGN DETAILS

B5 PROJECT IDENTIFICATION SIGNS

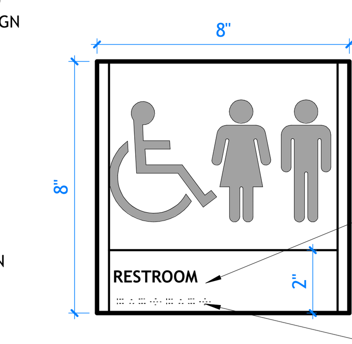
A004 | SCALE: 6" = 1'-0"



MOUNTING INSTRUCTIONS
LOCATION: COORDINATE LOCATION WITH OWNER.
HEIGHT: 48" TO FINISH FLOOR FROM BOTTOM OF PLAQUE.
ATTACHMENT: MOUNT WITH CONCEALED STUDS THREADED & SET IN EPOXY TOP AND BOTTOM.

C4 DEDICATION PLAQUE

A004 | SCALE: 1 1/2" = 1'-0"

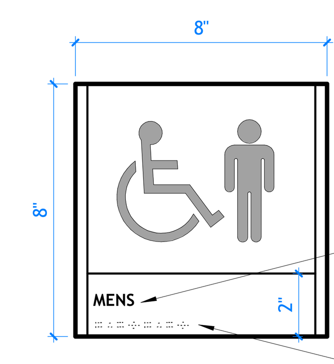


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: *EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.*

C5 RESTROOM SIGN DETAIL

A004 | SCALE: 3" = 1'-0"

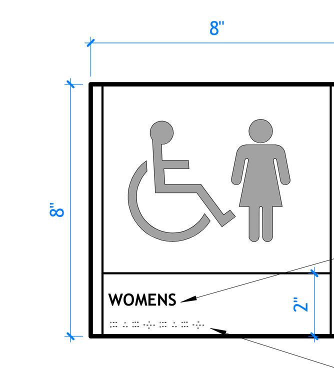


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: *EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.*

C6 MENS SIGN DETAIL

A004 | SCALE: 3" = 1'-0"

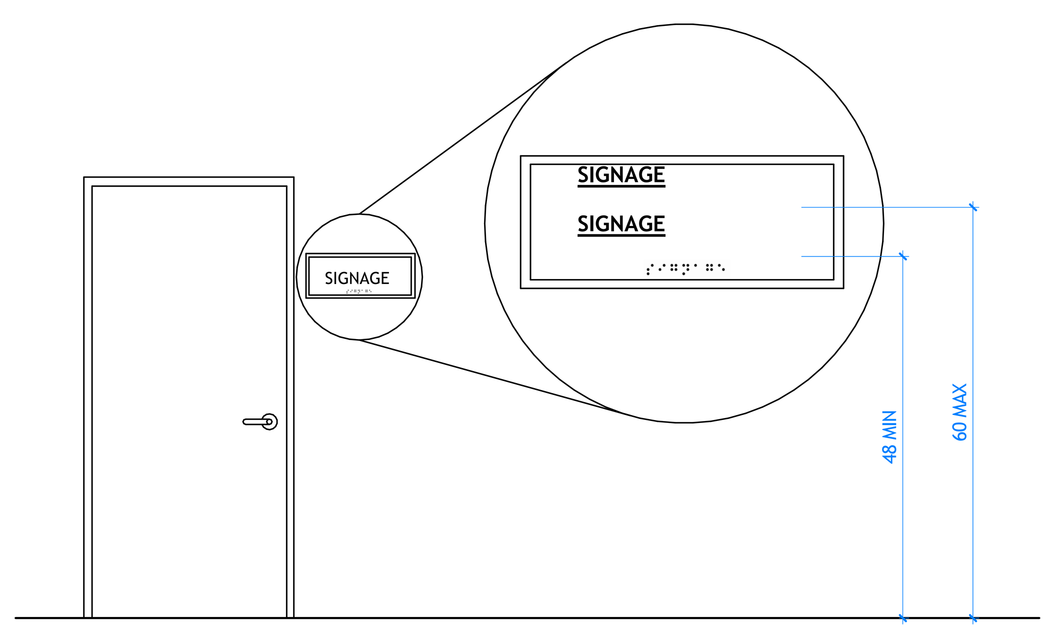


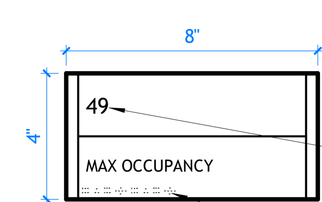
MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: *EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.*

C7 WOMENS SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



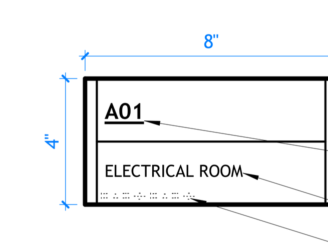


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.

D5 MAX OCC SIGN DETIAL

A004 | SCALE: 3" = 1'-0"

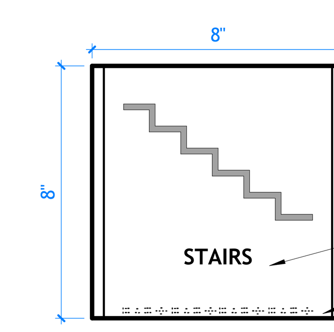


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.

D6 STOR./MECH./ELEC. SIGN DETAIL

A004 | SCALE: 3" = 1'-0"

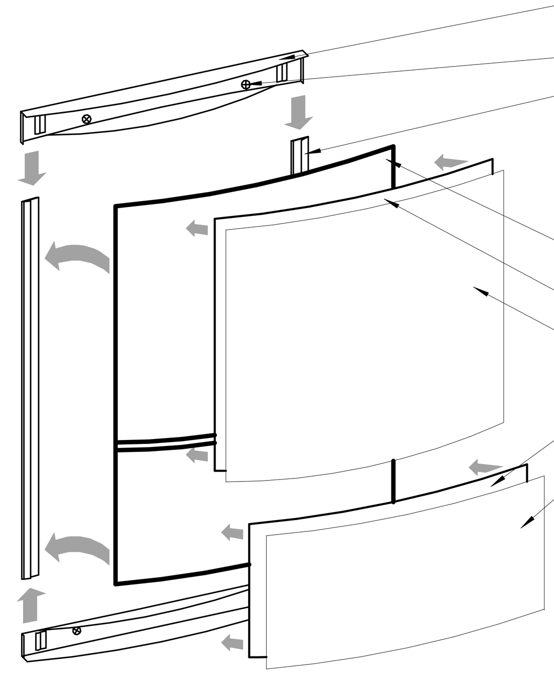


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.

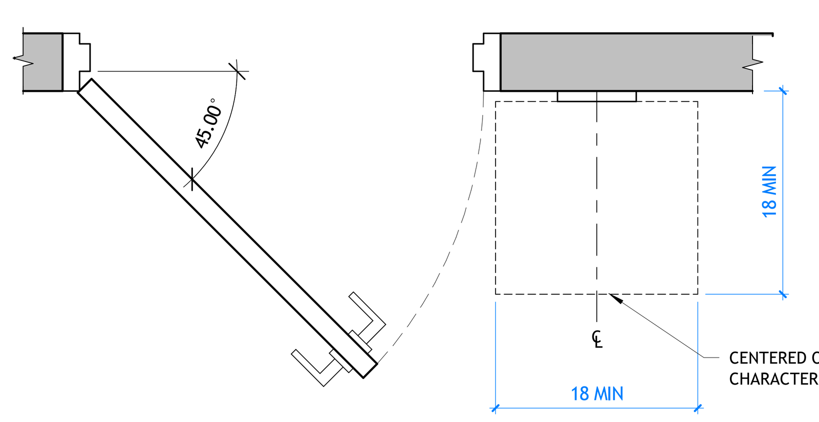
D7 STAIR SIGN

A004 | SCALE: 3" = 1'-0"



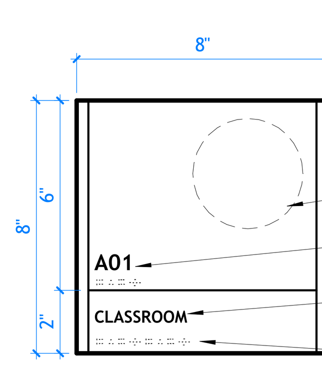
E2 MENS SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



E3 SIGN LOCATION DETAIL

A004 | SCALE: 1/2" = 1'-0"

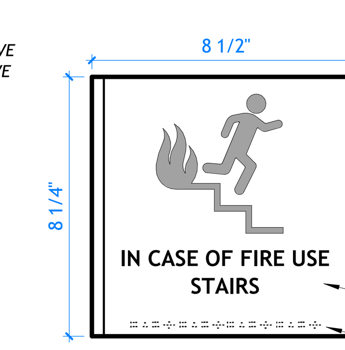


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: *EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.*

E5 TYPICAL SIGN DETAIL

A004 | SCALE: 3" = 1'-0"

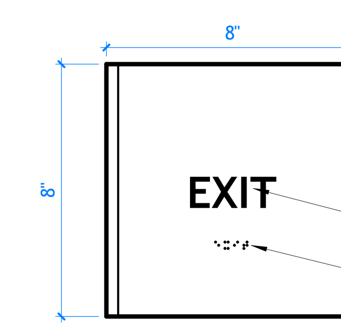


MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: *EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.*

E6 SIGN AT ELEVATOR

A004 | SCALE: 3" = 1'-0"



MOUNTING HEIGHT: CHARACTERS SHALL BE 48" MIN. AND 60" MAX ABOVE GROUND SURFACE

NOTE: EACH ROOM DOOR TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN, SEE FLOOR PLANS.

E7 ADA EXIT SIGN

A004 | SCALE: 3" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

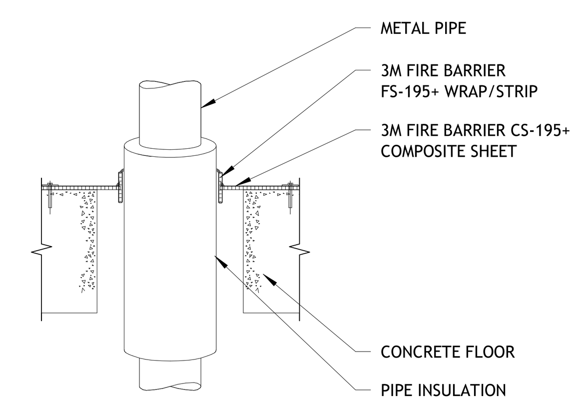
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ACCESSIBILITY COMPLIANCE - SIGNAGE

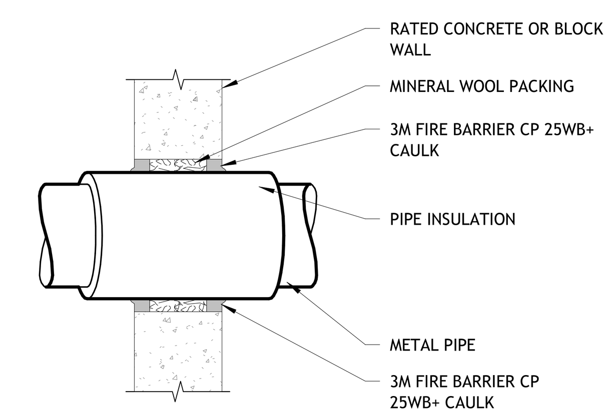
SHEET NUMBER

A004



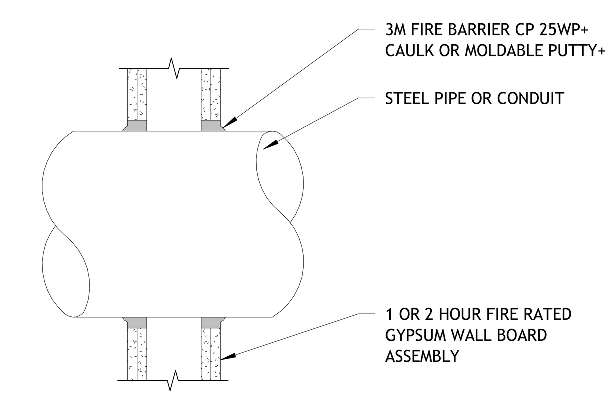
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM CAJ5030 TYPICAL WHERE OCCURS

B4 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



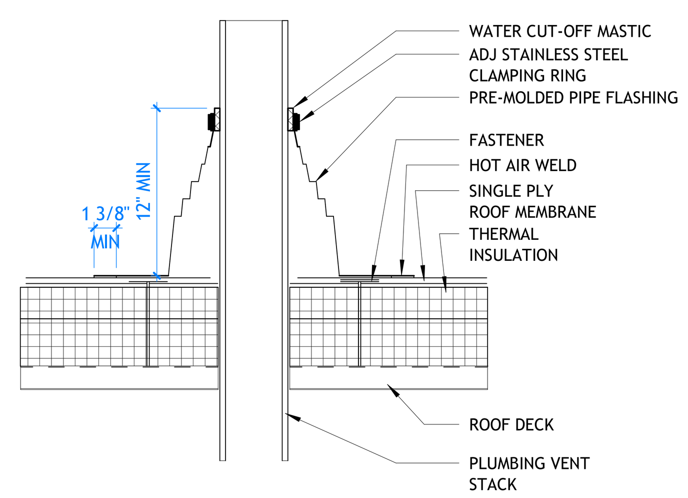
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WJ5014 TYPICAL WHERE OCCURS

B5 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"

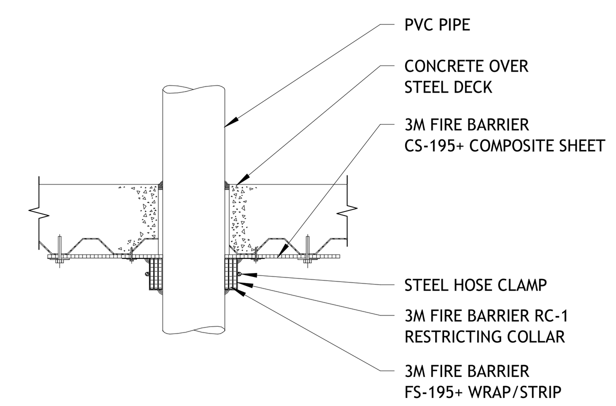


NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL1001 TYPICAL WHERE OCCURS

B6 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"

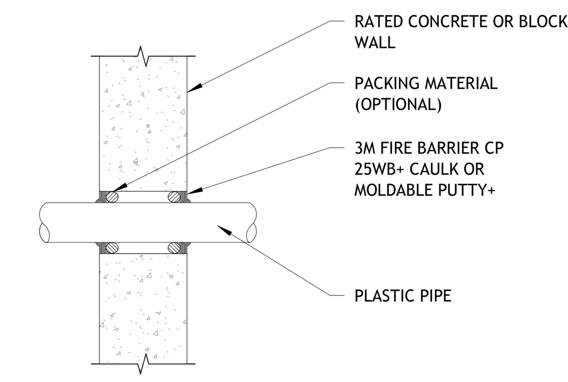


C3 PIPE PENETRATION & FLASHING
A005 | SCALE: 1 1/2" = 1'-0"



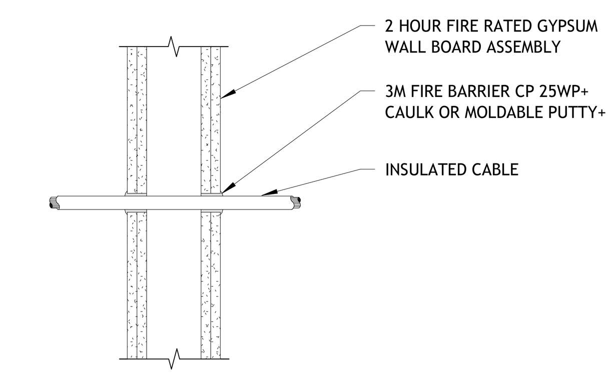
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM FA2002 TYPICAL WHERE OCCURS

C4 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



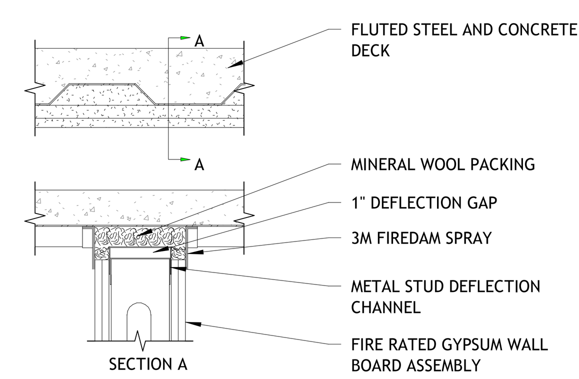
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WJ2029 TYPICAL WHERE OCCURS

C5 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



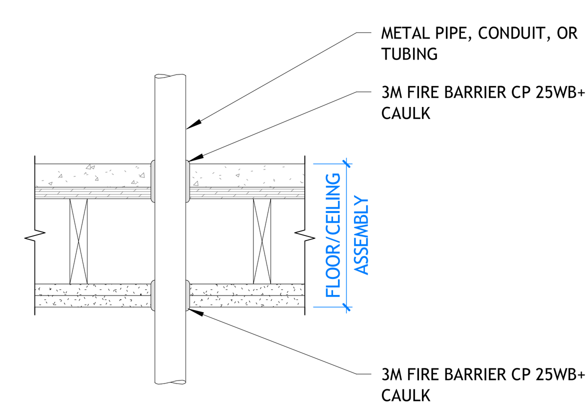
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL3001 TYPICAL WHERE OCCURS

C6 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



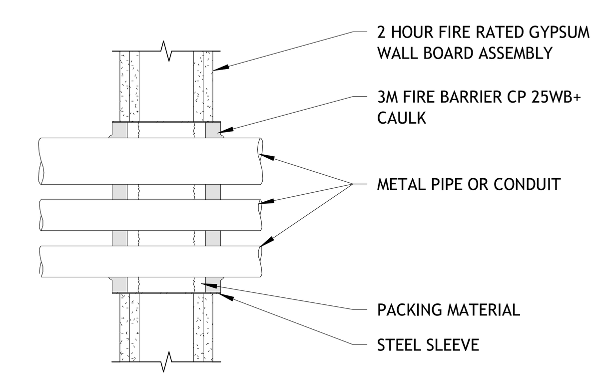
NOTE: FIRE RESISTANT JOINT = UL SYSTEM HWD0031 TYPICAL WHERE OCCURS

D3 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



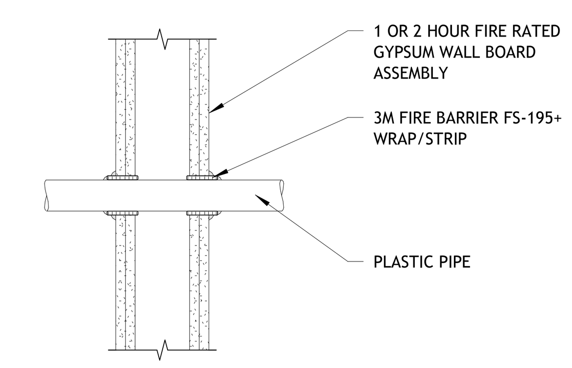
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM FC1002 TYPICAL WHERE OCCURS

D4 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



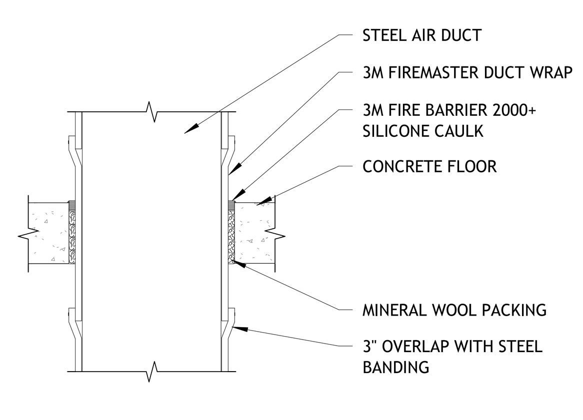
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL1073 TYPICAL WHERE OCCURS

D5 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



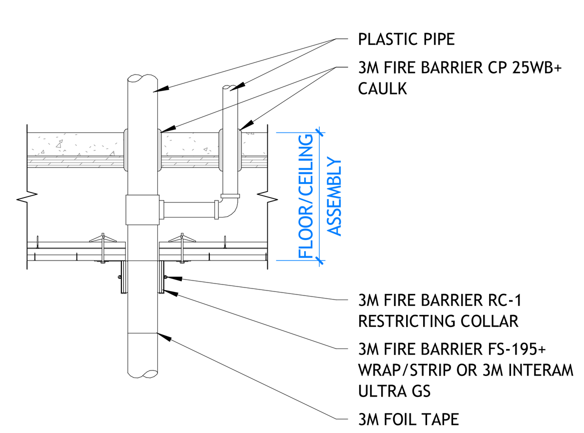
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL2003 TYPICAL WHERE OCCURS

D6 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



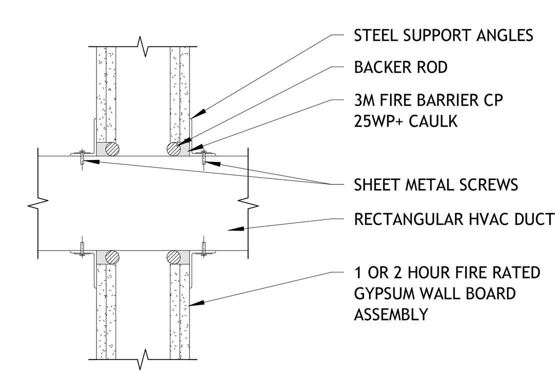
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM CAJ7013 TYPICAL WHERE OCCURS

E3 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



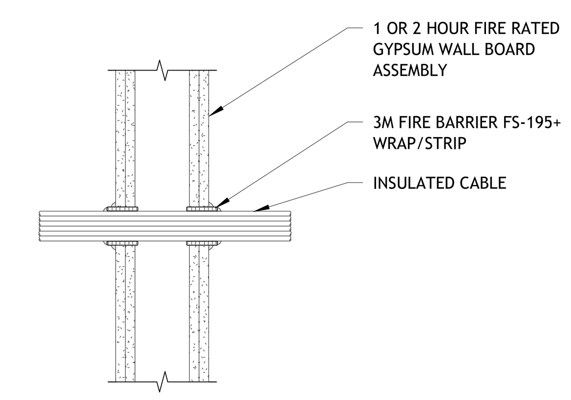
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM FC2115 TYPICAL WHERE OCCURS

E4 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL7008 TYPICAL WHERE OCCURS

E5 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"



NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL3030 TYPICAL WHERE OCCURS

E6 FIRE PENETRATION
A005 | SCALE: 1/2" = 1'-0"

GENERAL NOTES

A. ALL CAULKING AT PENETRATIONS SHALL MEET THE SAME FIRE RATING AS THE RATED ASSEMBLY IT IS USED.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. SEE SEPARATION LEGEND FOR LOCATIONS OF VERTICAL EXIT ENCLOSURES, SHAFT ENCLOSURES, INCIDENTAL USE SEPARATIONS, DWELLING SEPARATIONS, AND CORRIDORS.
D. ALL PENETRATIONS SHALL HAVE AN F-RATING AND A T-RATING EQUAL TO THE RATING FOR THE ASSEMBLY PENETRATED BUT NOT LESS THAN 1-HOUR. (EXCEPTION: FLOOR PENETRATIONS CONTAINED WITHIN THE CAVITY OF A WALL) 2015 IBC 714.4.1.1.2.
E. FIRESTOPPING DETAILS ARE SHOWN BY 3M. CONSULT SPECIFICATIONS AND CURRENT UNDERWRITERS LABORATORIES "FIRE RESISTANT DIRECTORY" FOR EQUAL MANUFACTURERS AND DETAILS. INSTALL ALL MATERIALS PER MANUFACTURER'S RECOMMENDATIONS.
F. ALL FIRE PENETRATION AND JOINT FIRESTOPPING WORK TO BE COMPLETED PRIOR TO THE INSTALLATION OF CEILINGS TO FACILITATE INSPECTION OF WORK.
G. ALL CAULKING AND OTHER FIRESTOPPING MATERIALS TO HAVE A PROFESSIONAL CLEAN LOOKING APPEARANCE FOLLOWING INSTALLATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

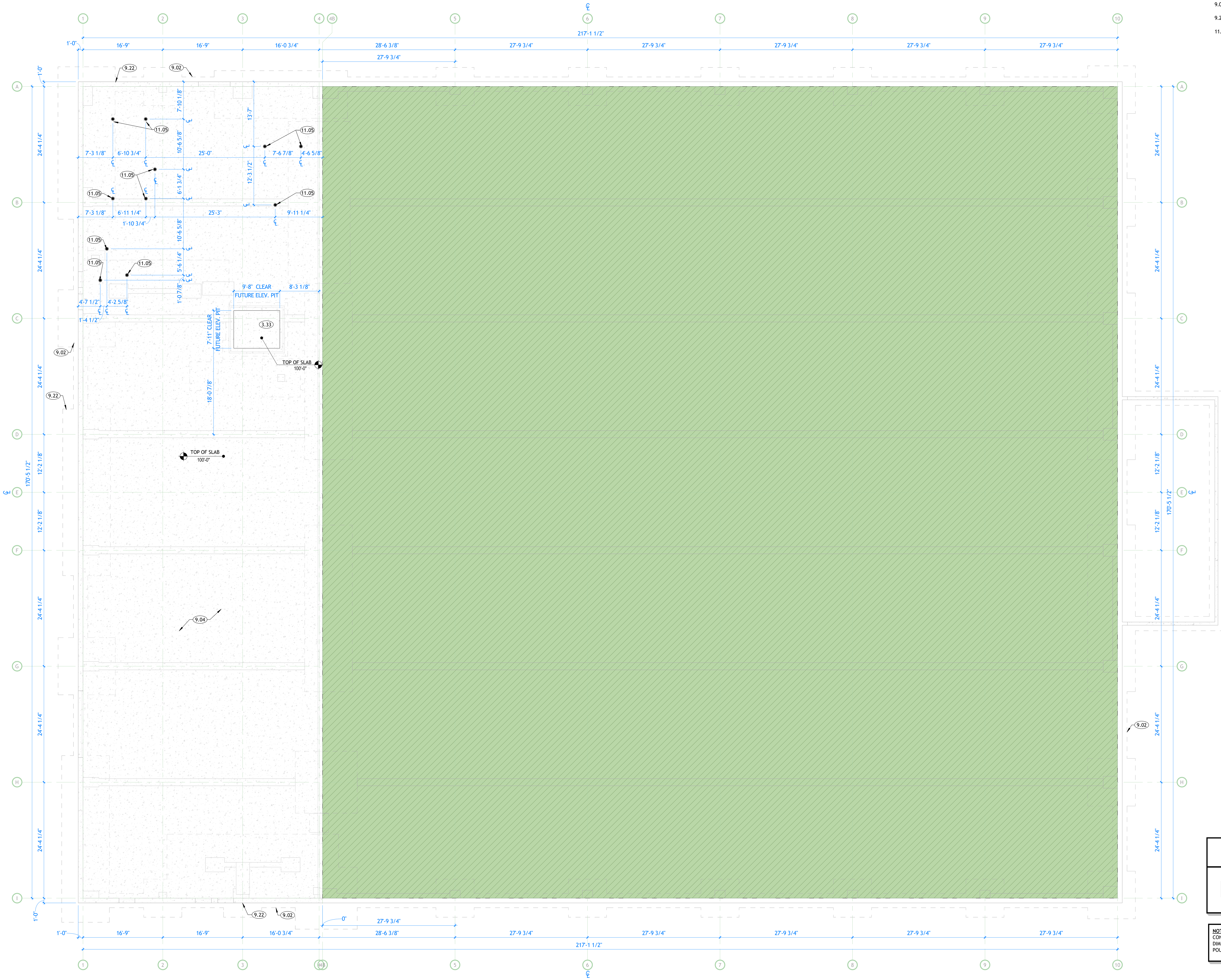
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

FIRE PENETRATIONS AND JOINT DETAILS

SHEET NUMBER

A005



SLAB EDGE PLAN
A011 | SCALE: 1/8" = 1'-0"

KEYNOTES

3.33	EXCAVATED ELEVATOR PIT TO BE USED FOR POSSIBLE FUTURE USE. EXCAVATE 4'-0" BELOW TOP OF SLAB AND FORM CMU WALLS. FILL IN EXCAVATED PORTION WITH GRAVEL AND POUR SLAB OVER GRAVEL. PROVIDE A SMOOTH AND EVEN FINISH WITH EXISTING FLOOR SLAB.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.22	THICKENED CONCRETE SLAB AT EDGE REINFORCED AS PER STRUCTURAL SHEETS.
11.05	FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.

RECESSED SLAB LEGEND

– EXCAVATED FOR TURF FIELD- SEE FURNISHING DETAILS

NOTE:
CONTRACTOR SHALL COORDINATE DIMENSIONS ON THESE PLANS WITH FLOOR PLAN DIMENSIONS AND WALL TYPES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO POURING SLABS OR FOUNDATIONS

GENERAL NOTES

A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF FOUNDATION WALL OR STRUCTURAL SLAB.
B. SEE PLUBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
C. RECOMMEDATIONS FOUND IN GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
D. SEE STRUCTURAL SHEETS FOR FOUNDATION AND SLAB SIZES AND REINFORCING.
E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

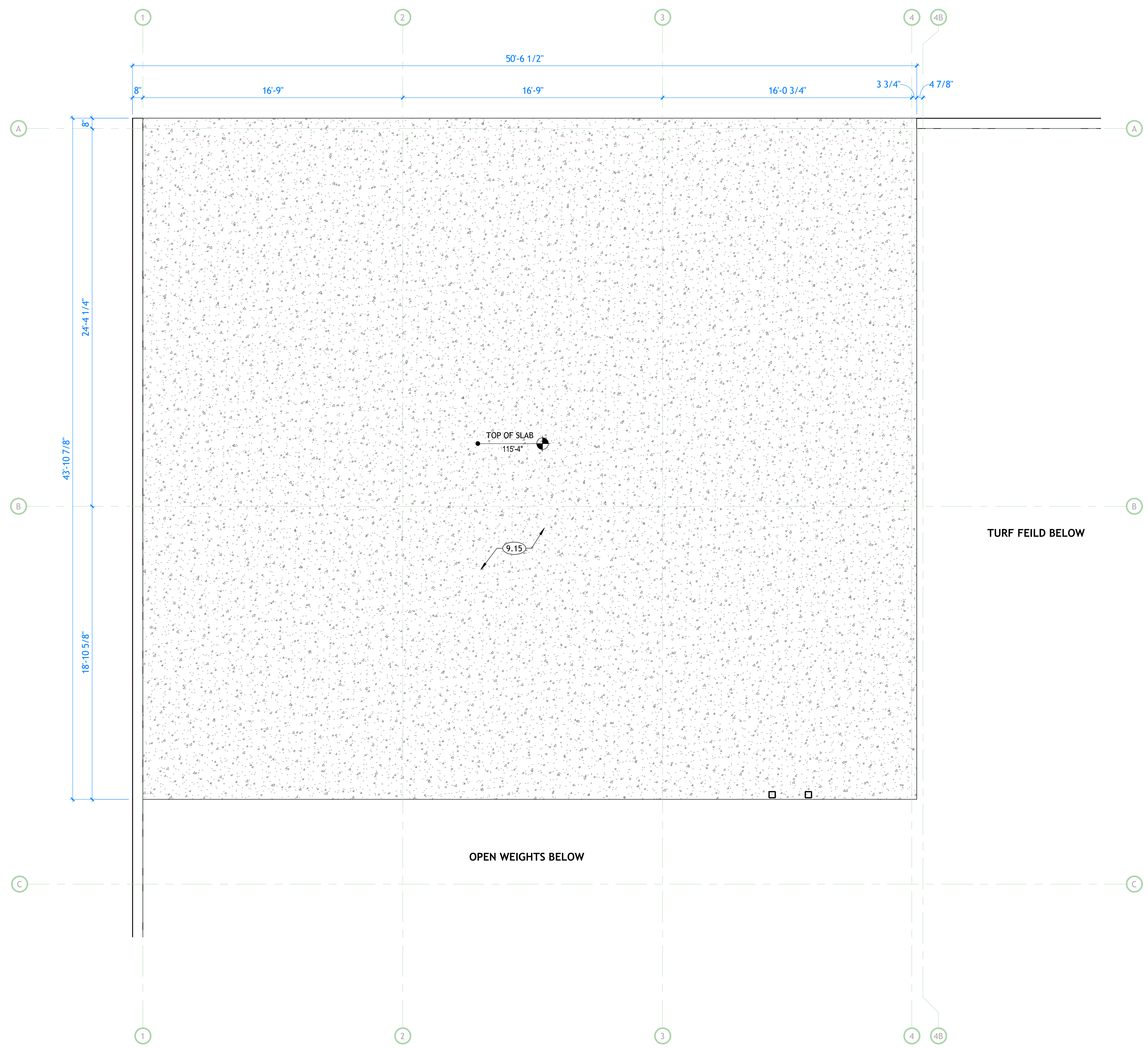
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL SLAB PERIMETER PLAN

SHEET NUMBER

A011



MEZZANINE SLAB PLAN
A012 | SCALE: 1/4" = 1'-0"

KEYNOTES

9.15 CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.

RECESSED SLAB LEGEND

– EXCAVATED FOR TURF FIELD- SEE FURNISHING DETAILS

NOTE:
CONTRACTOR SHALL COORDINATE DIMENSIONS ON THESE PLANS WITH FLOOR PLAN DIMENSIONS AND WALL TYPES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO POURING SLABS OR FOUNDATIONS

GENERAL NOTES

A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF FOUNDATION WALL OR STRUCTURAL SLAB.
B. SEE PLUBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
C. RECOMMEDATIONS FOUND IN GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
D. SEE STRUCTURAL SHEETS FOR FOUNDATION AND SLAB SIZES AND REINFORCING.
E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

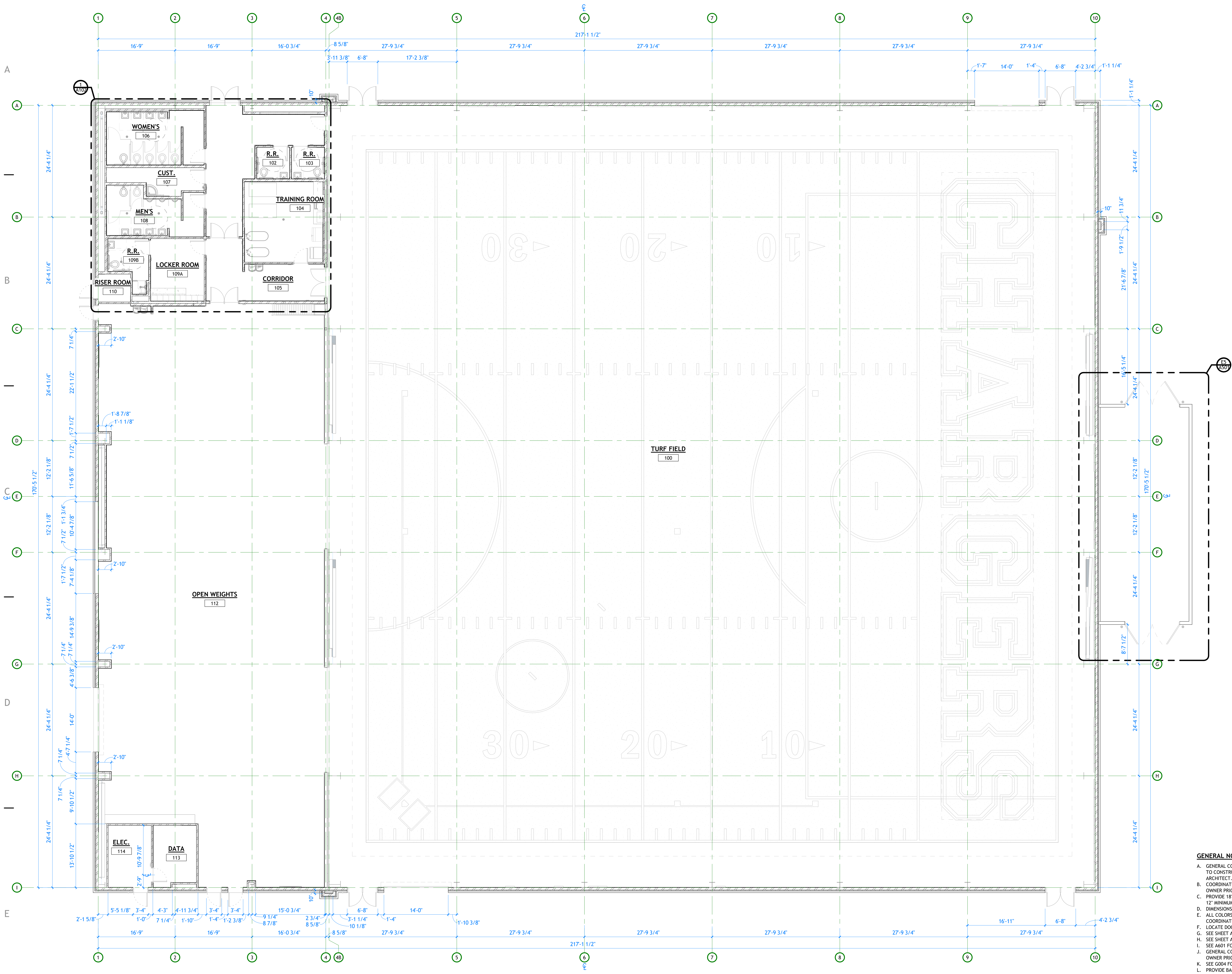
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

MEZZANINE SLAB PERIMETER PLAN

SHEET NUMBER

A012



FLOOR PLAN - DIMENSION - MAIN FLOOR PLAN

A101 | SCALE: 1/8" = 1'-0"

KEYNOTES

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
E. ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE COORDINATED WITH OWNER.
F. LOCATE DOOR JAMBS 4" FROM FACE OF STUD. U.N.O.
G. SEE SHEET A151 FOR REFLECTED CEILING PLAN.
H. SEE SHEET AI101 FOR FINISH INFORMATION.
I. SEE A601 FOR DOOR AND WINDOW INFORMATION.
J. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
K. SEE G004 FOR WALL TYPES.
L. PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
M. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
N. "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
O. VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
P. DO NOT SCALE DRAWINGS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

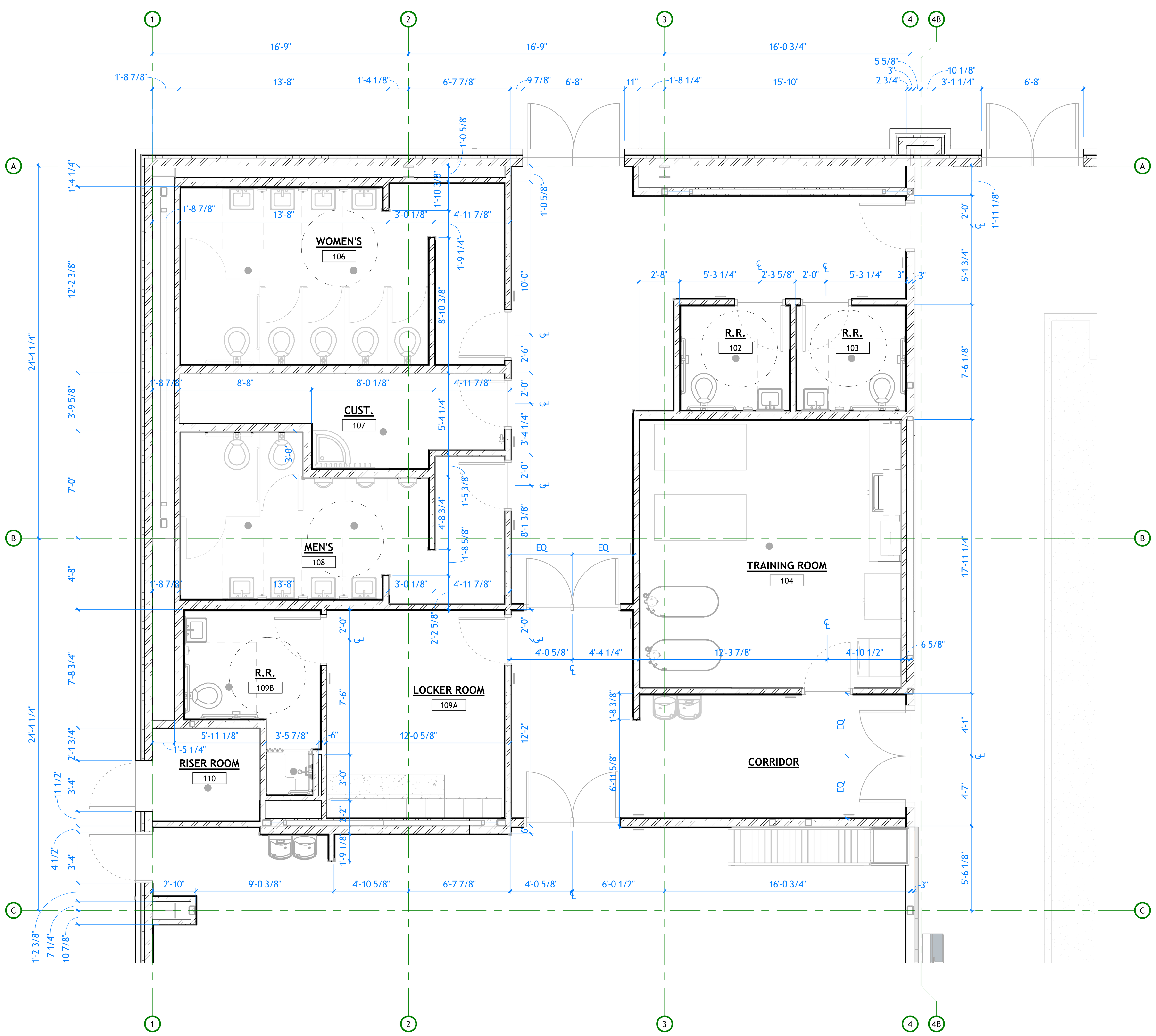
SHEET TITLE

MAIN FLOOR DIMENSION PLAN

SHEET NUMBER

A101

KEYNOTES



FLOOR PLAN - ENLARGED MAIN FLOOR DIMENSIONPLAN

A102 | SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
E. ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE COORDINATED WITH OWNER.
F. LOCATE DOOR JAMBS 4" FROM FACE OF STUD. U.N.O.
G. SEE SHEET A151 FOR REFLECTED CEILING PLAN.
H. SEE SHEET AI101 FOR FINISH INFORMATION.
I. SEE A601 FOR DOOR AND WINDOW INFORMATION.
J. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
K. SEE G004 FOR WALL TYPES.
L. PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
M. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
N. "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
O. VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
P. DO NOT SCALE DRAWINGS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

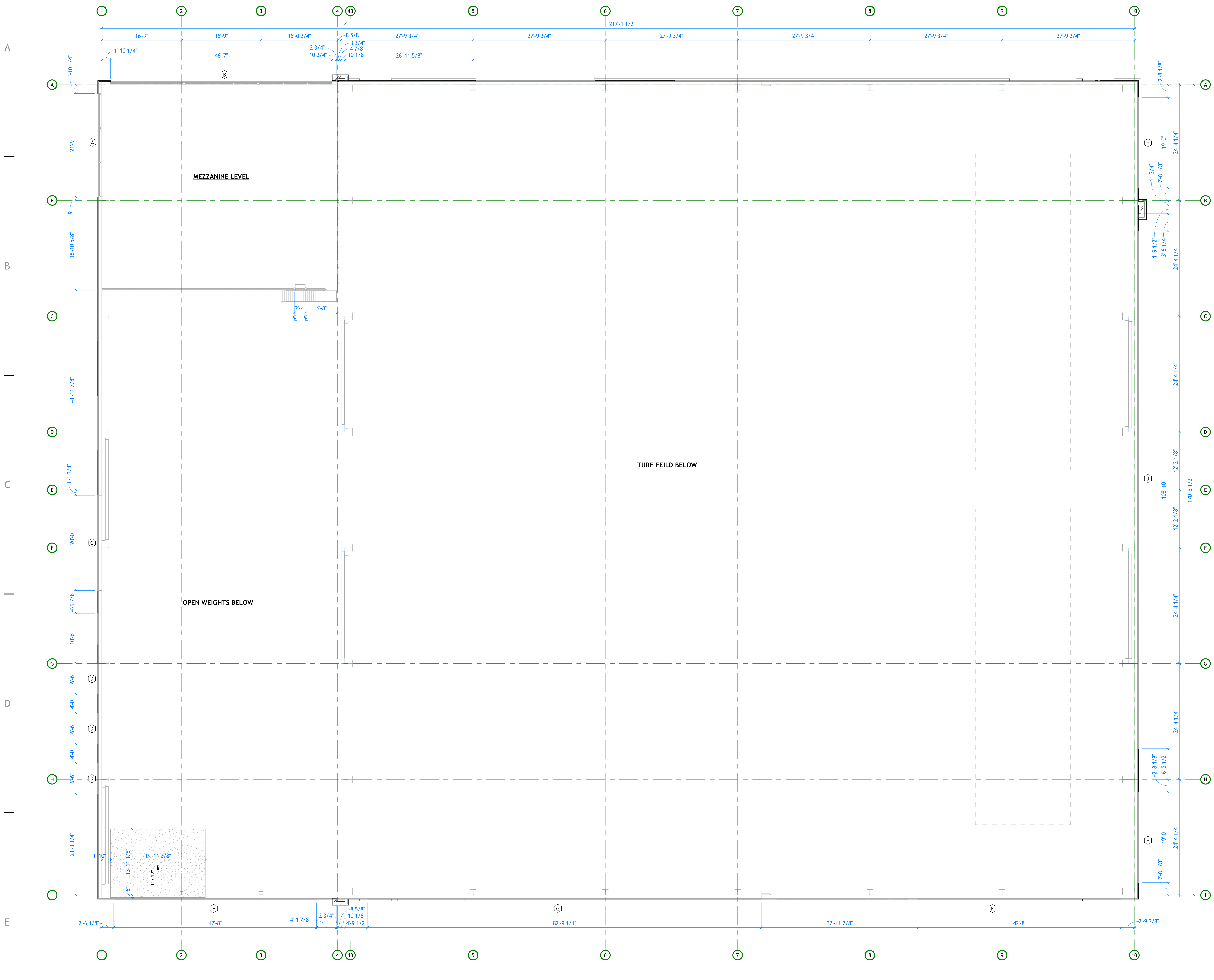
SHEET TITLE

ENLARGED MAIN FLOOR DIMENSION PLAN

SHEET NUMBER

A102

KEYNOTES



FLOOR PLAN - DIMENSION CLERESTORY PLAN

A103 | SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
E. ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE COORDINATED WITH OWNER.
F. LOCATE DOOR JAMBS 4" FROM FACE OF STUD. U.N.O.
G. SEE SHEET A151 FOR REFLECTED CEILING PLAN.
H. SEE SHEET AI101 FOR FINISH INFORMATION.
I. SEE A601 FOR DOOR AND WINDOW INFORMATION.
J. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
K. SEE G004 FOR WALL TYPES.
L. PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
M. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
N. "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
O. VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
P. DO NOT SCALE DRAWINGS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

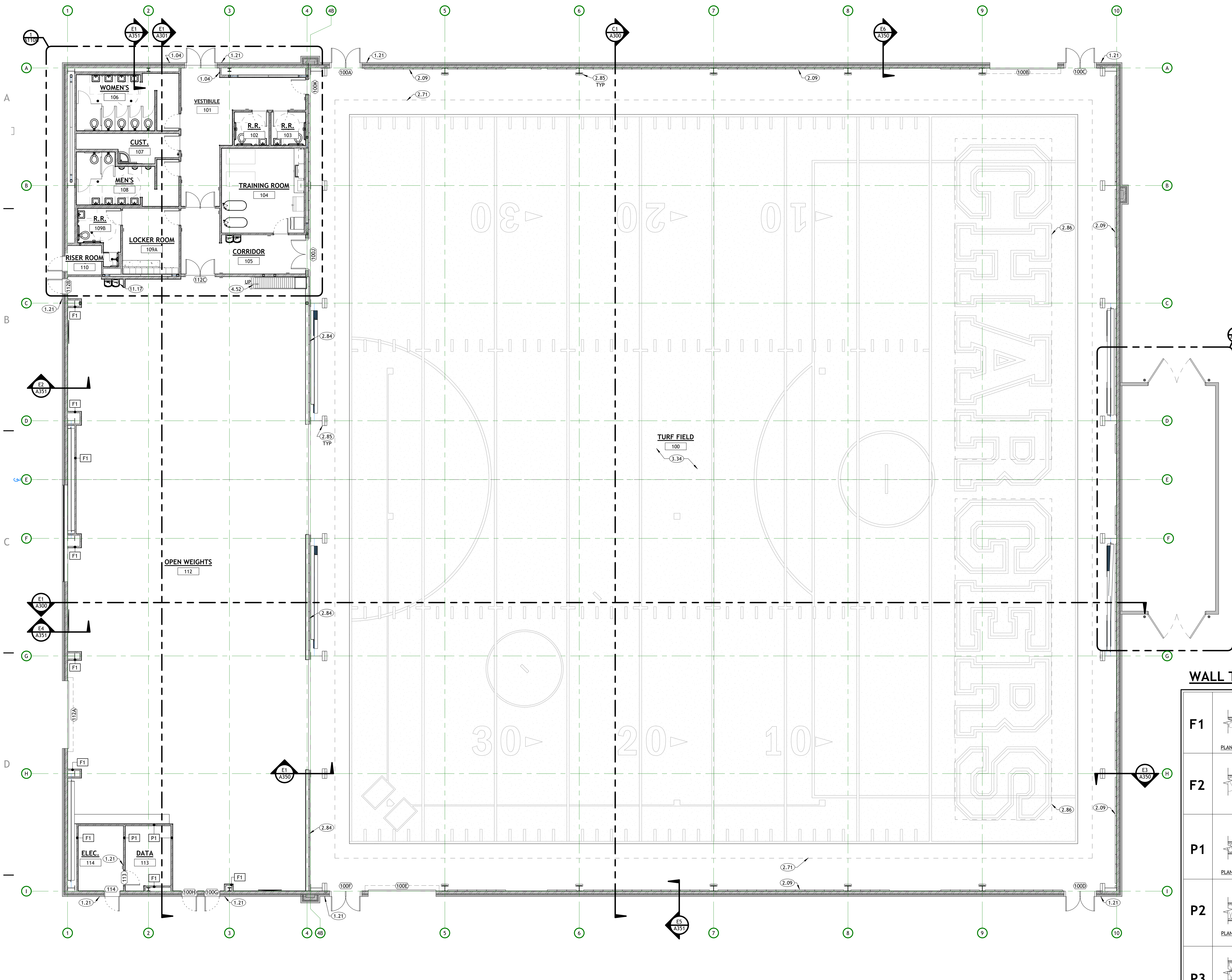
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

CLERESTORY DIMENSION PLAN

SHEET NUMBER

A103



FLOOR PLAN - OVERALL MAIN FLOOR PLAN

A110A | SCALE: 1/8" = 1'-0"

KEYNOTES

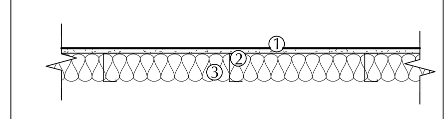
1.04	ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER ,ELECTRICAL, AND HARDWARE.
1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.09	6'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
2.71	NETTING, WEIGHTED PERIMETER.
2.84	4'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
2.85	6'-0" TALL ATHLETIC STRUCTURAL COLUMN PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
2.86	MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.
3.34	NEW INDOOR ARTIFICIAL TURF, (NIC0. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
4.52	PREFABRICATED STAIR. SEE SPECS.
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
   - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE),
   - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
N. SEE A110 FOR WALL TYPES.
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDAM SPRAY INSULATION. SEE SPECS.
V. **FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.**
W. DO NOT SCALE DRAWINGS.

WALL TYPE LEGEND

F1

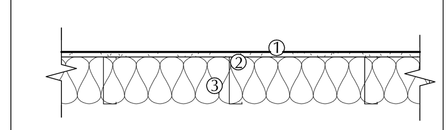


PLAN VIEW

WALL TYPE F1
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 3 5/8" METAL STUD
3. SOUND ATTENUATION BATTS

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

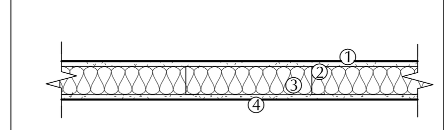
F2



WALL TYPE F2
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 6" METAL STUD
3. SOUND ATTENUATION BATTS

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P1

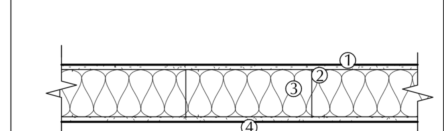


PLAN VIEW

WALL TYPE P1
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 3 5/8" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P2

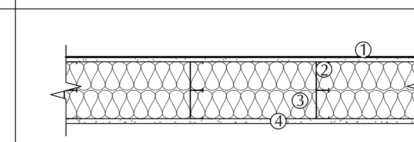


PLAN VIEW

WALL TYPE P2
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 6" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P3
P3.1



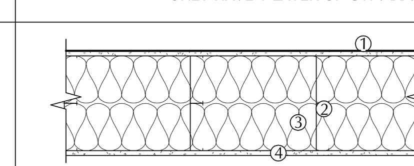
PLAN VIEW

NOTE: WALL TYPEE P3.1 IS TO ONLY HAVE 1 LAYER OF GYP. BD.

WALL TYPE P3
FROM INTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. (2) TWO 3 5/8" METAL STUDS
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P4
P4.1



PLAN VIEW

NOTE: WALL TYPEE P3.1 IS TO ONLY HAVE 1 LAYER OF GYP. BD.

WALL TYPE P4
FROM INTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. (2) TWO 6" METAL STUDS
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

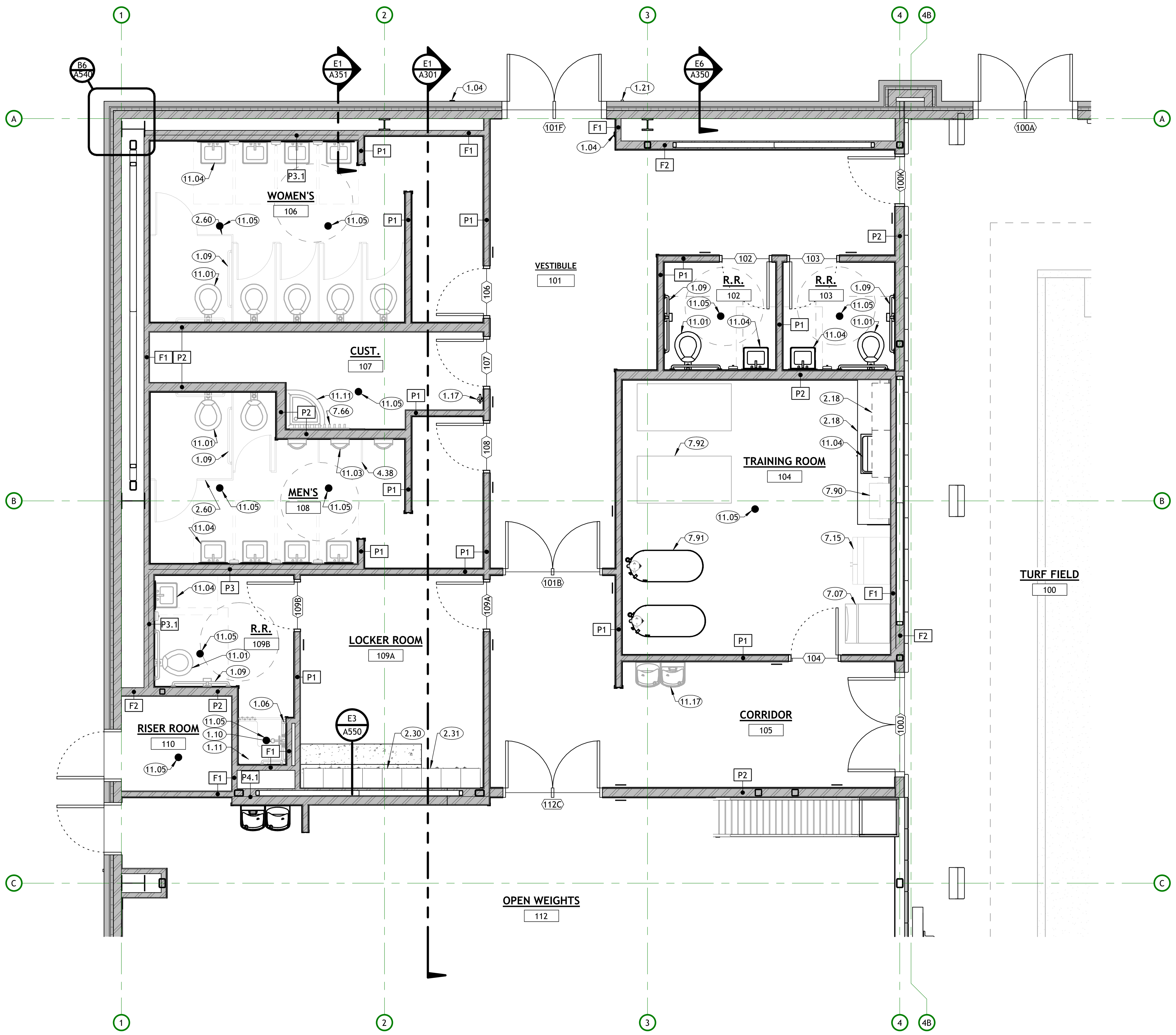
MAIN FLOOR PLAN

SHEET NUMBER

A110A

1 2 3 4 5 6 7

A B C D E



FLOOR PLAN - ENLARGED MAIN FLOOR FLOOR
A110B | SCALE: 1/4" = 1'-0"

KEYNOTES

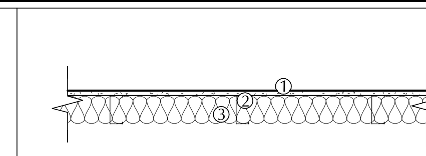
1.04	ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER ,ELECTRICAL, AND HARDWARE.
1.06	ADA COMPLIANT 36" HORIZONTAL GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.09	ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.10	ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
1.11	ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
1.17	BRACKET MOUNTED FIRE EXTINGUISHER. SEE SPECIFICATIONS.
1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.18	ARCHITECTURAL MILLWORK. SEE FURNISHING PLANS, INTERIOR ELEVATIONS AND SPECIFICATIONS.
2.30	LOCKER ROOM 1-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS. COLORS BY ARCHITECT.
2.31	LOCKER ROOM 2-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS. COLORS BY ARCHITECT.
2.60	PHENOLIC-CORE TOILET PARTITIONS, SEE SPECIFICATIONS.
4.38	PHENOLIC-CORE URINAL SCREEN. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS.
7.07	ICE MAKER (NIC).
7.15	REFRIGERATOR WITH FREEZER (N.I.C.)
7.66	HANGING MOP RACK 63" A.F.F.
7.90	HYDROCOLLATOR (N.I.C.)
7.91	ICE THERAPY TUB (OPCI).
7.92	ATHLETIC TREATMENT TABLE (N.I.C.)
11.01	TOILET. SEE PLUMBING.
11.03	URINAL. SEE PUMBING.
11.04	SINK. SEE PLUMBING.
11.05	FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.
11.11	MOP SINK OVER TYPICAL MOP SINK WALL TILE. LONG MOP AND BROOM HOLDER ABOVE. SEE PLUMBING AND ELEVATIONS.
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
   - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE),
   - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
N. SEE A110 FOR WALL TYPES.
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDAM SPRAY INSULATION. SEE SPECS.
V. **FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.**
W. DO NOT SCALE DRAWINGS.

WALL TYPE LEGEND

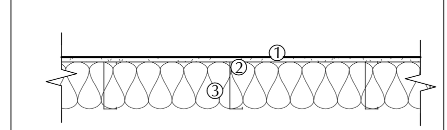
F1



WALL TYPE F1
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 3 5/8" METAL STUD
3. SOUND ATTENUATION BATTS

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

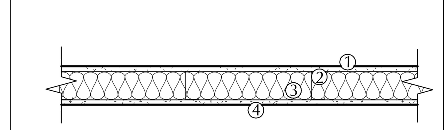
F2



WALL TYPE F2
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 6" METAL STUD
3. SOUND ATTENUATION BATTS

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

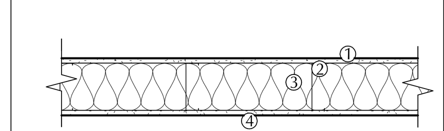
P1



WALL TYPE P1
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 3 5/8" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

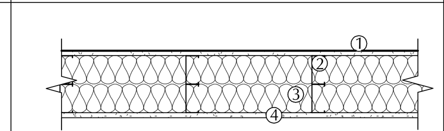
P2



WALL TYPE P2
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 6" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P3 P3.1

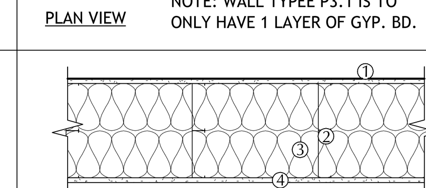


NOTE: WALL TYPEE P3.1 IS TO ONLY HAVE 1 LAYER OF GYP. BD.

WALL TYPE P3
FROM INTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. (2) TWO 3 5/8" METAL STUDS
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P4 P4.1



NOTE: WALL TYPEE P3.1 IS TO ONLY HAVE 1 LAYER OF GYP. BD.

WALL TYPE P4
FROM INTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. (2) TWO 6" METAL STUDS
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10605440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

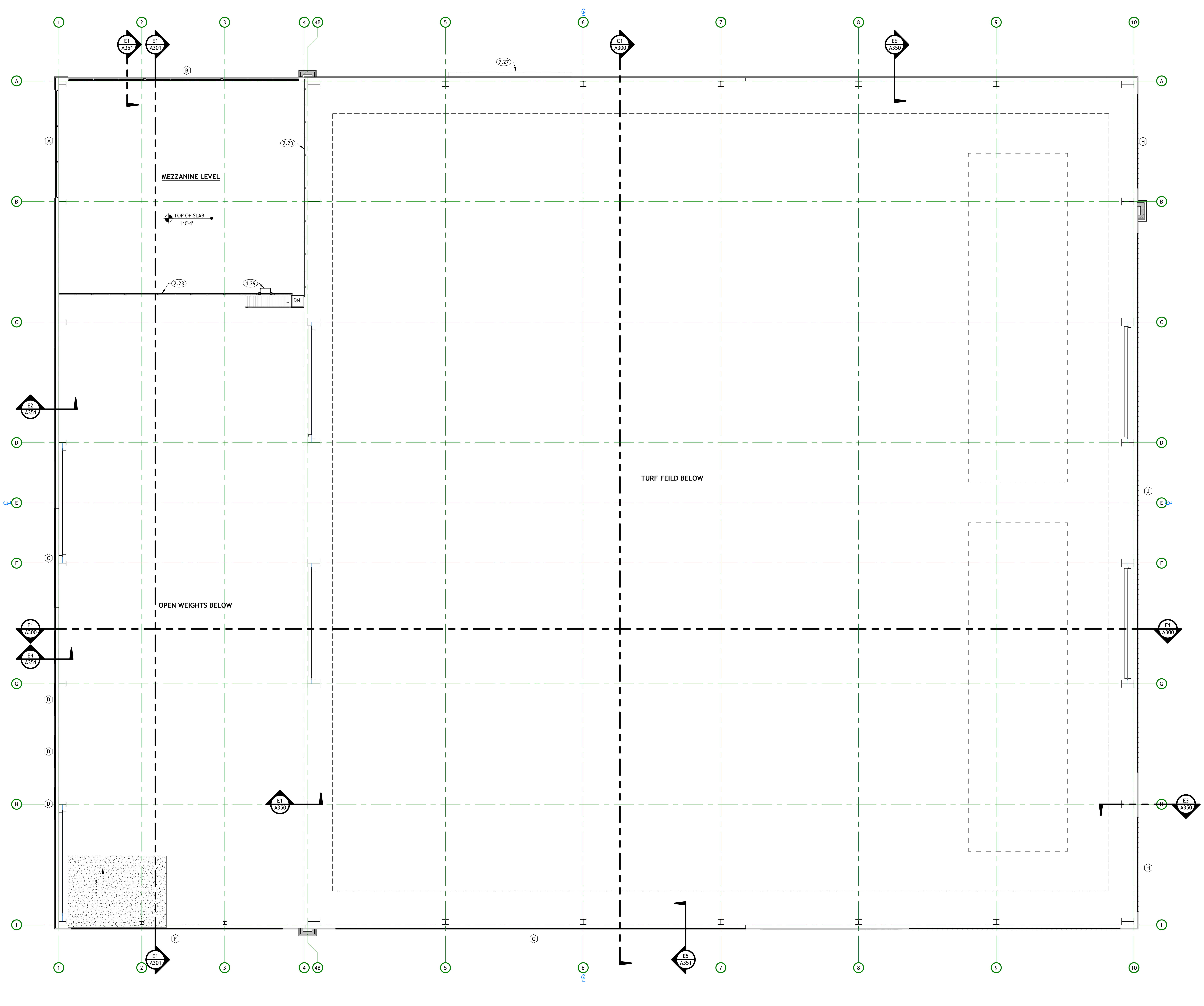
MAIN FLOOR PLAN ENLARGED

SHEET NUMBER

A110B

KEYNOTES

2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
4.29	ROOF ACCESS LADDER AND HATCH
7.27	SCOREBOARD. OWNER FURNISHED, OWNER INSTALLED.



FLOOR PLAN - OVERALL MAIN FLOOR CLERESTORY PLAN

A110C | SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
   - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE),
   - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
N. SEE A110 FOR WALL TYPES.
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDAM SPRAY INSULATION. SEE SPECS.
V. **FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.**
W. DO NOT SCALE DRAWINGS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

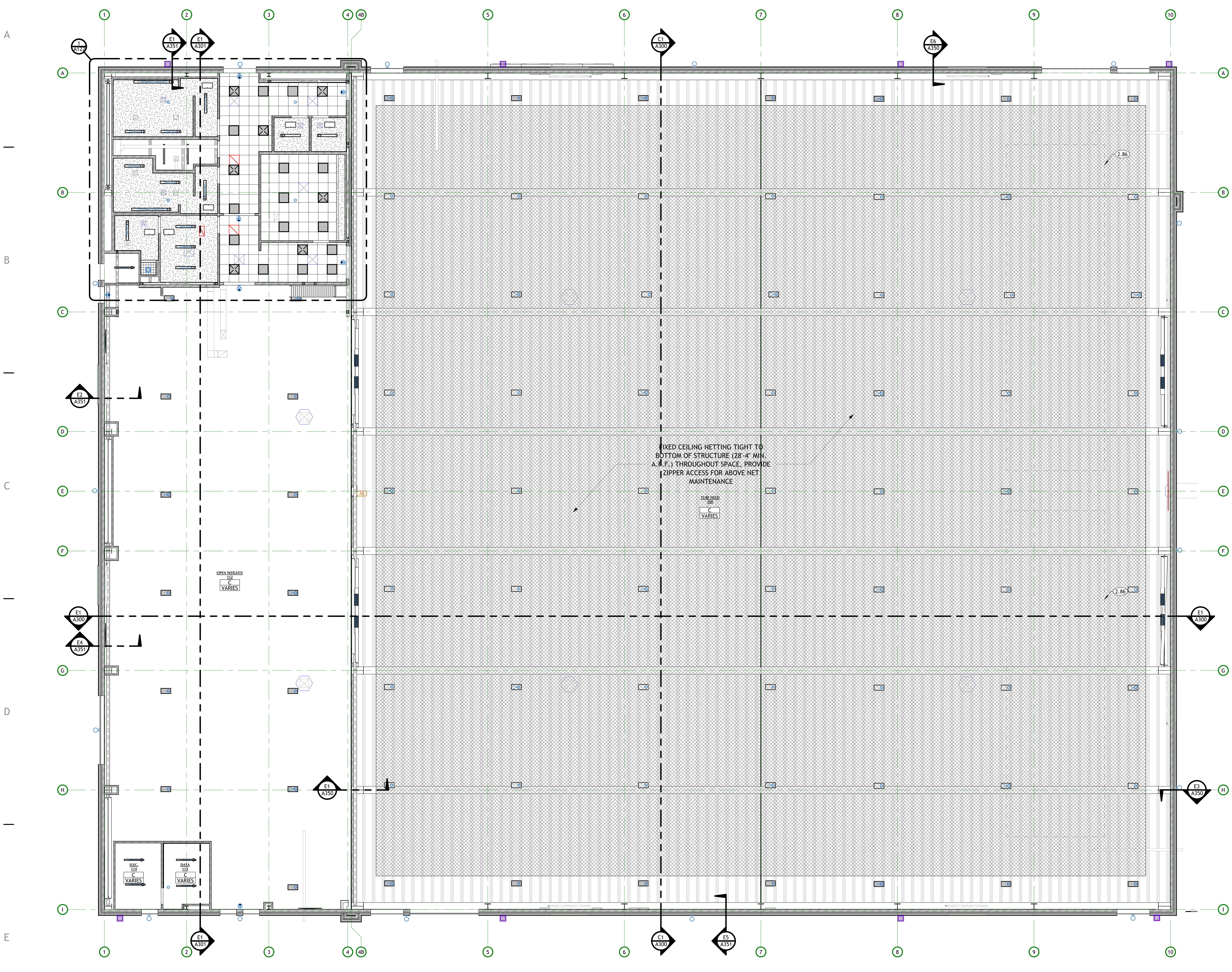
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

MAIN FLOOR CLERESTORY

SHEET NUMBER

A110C



REFLECTED CEILING PLAN
A121 | SCALE: 1/8" = 1'-0"

KEYNOTES

2.86 MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.

CEILING LEGEND

A	PAINTED 5/8" TYPE "X" GYPSUM BOARD.
B	2x2 SUSPENDED CEILING SYSTEM WITH GRID.
C	FIELD PAINTED EXPOSED DECK, DUCTWORK, PIPING, CONDUITS, ETC. ACCENT PAINTED STEEL STRUCTURE\., SEE SPECIFICATIONS
D	CERAMIC TILE
E	2x4 SUSPENDED CEILING SYSTEM WITH GRID.

GENERAL NOTES

A. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
B. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
C. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
D. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
E. WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
F. ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
G. PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
H. PAINT ALL EXPOSED STEEL JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, SUPPORTS, ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS, TYPICAL.
I. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDET OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
J. ALL CEILING SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

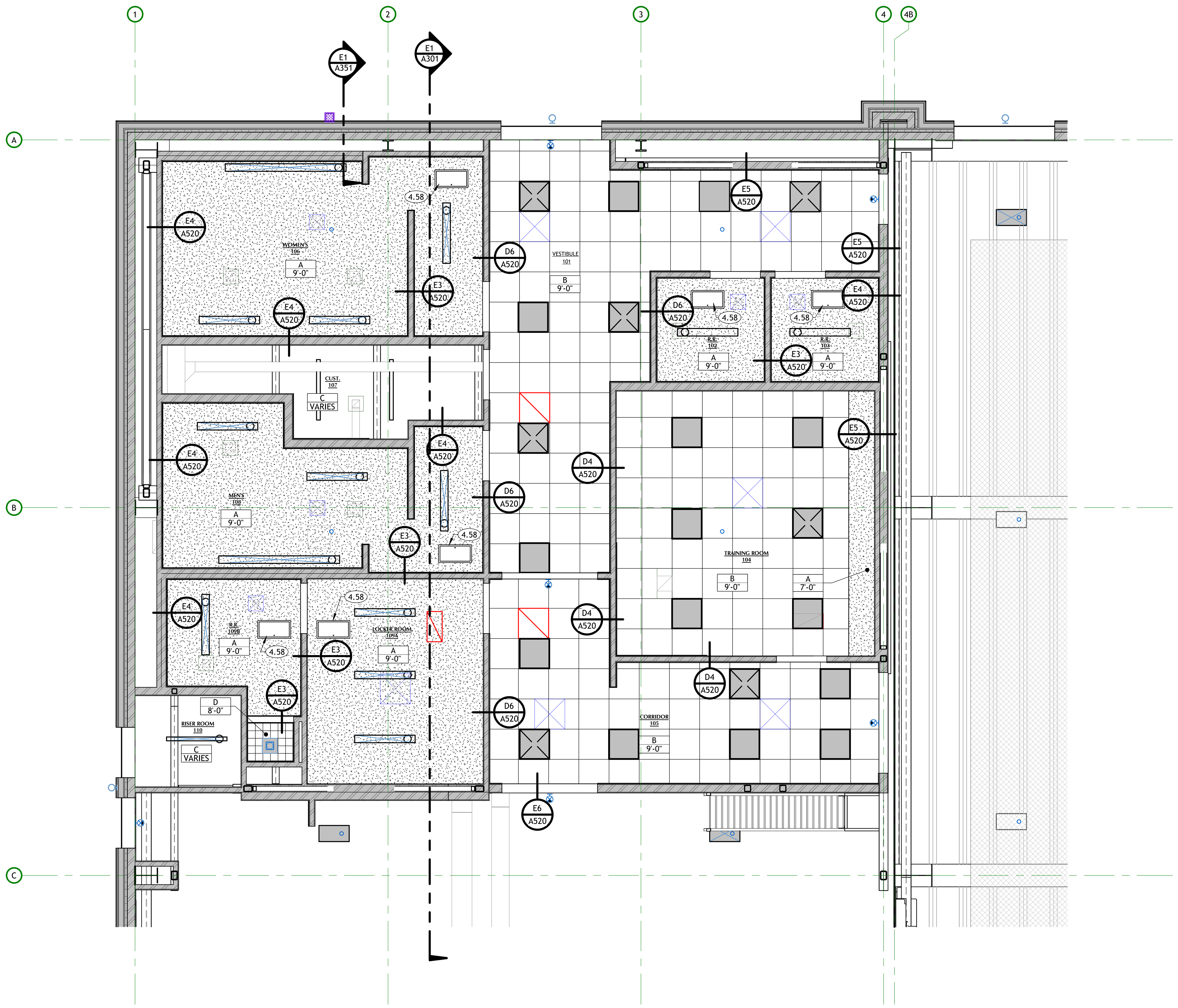
MAIN REFLECTED CEILING PLAN

SHEET NUMBER

A121

KEYNOTES

4.58 CEILING ACCESS PANEL.



REFLECTED CEILING PLAN

A122 | SCALE: 1/4" = 1'-0"

CEILING LEGEND

A	PAINTED 5/8" TYPE "X" GYPSUM BOARD.
B	2x2 SUSPENDED CEILING SYSTEM WITH GRID.
C	FIELD PAINTED EXPOSED DECK, DUCTWORK, PIPING, CONDUITS, ETC. ACCENT PAINTED STEEL STRUCTURE\., SEE SPECIFICATIONS
D	CERAMIC TILE
E	2x4 SUSPENDED CEILING SYSTEM WITH GRID.

GENERAL NOTES

A. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
B. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
C. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
D. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
E. WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
F. ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
G. PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
H. PAINT ALL EXPOSED STEEL JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, SUPPORTS, ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS, TYPICAL.
I. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDET OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
J. ALL CEILING SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

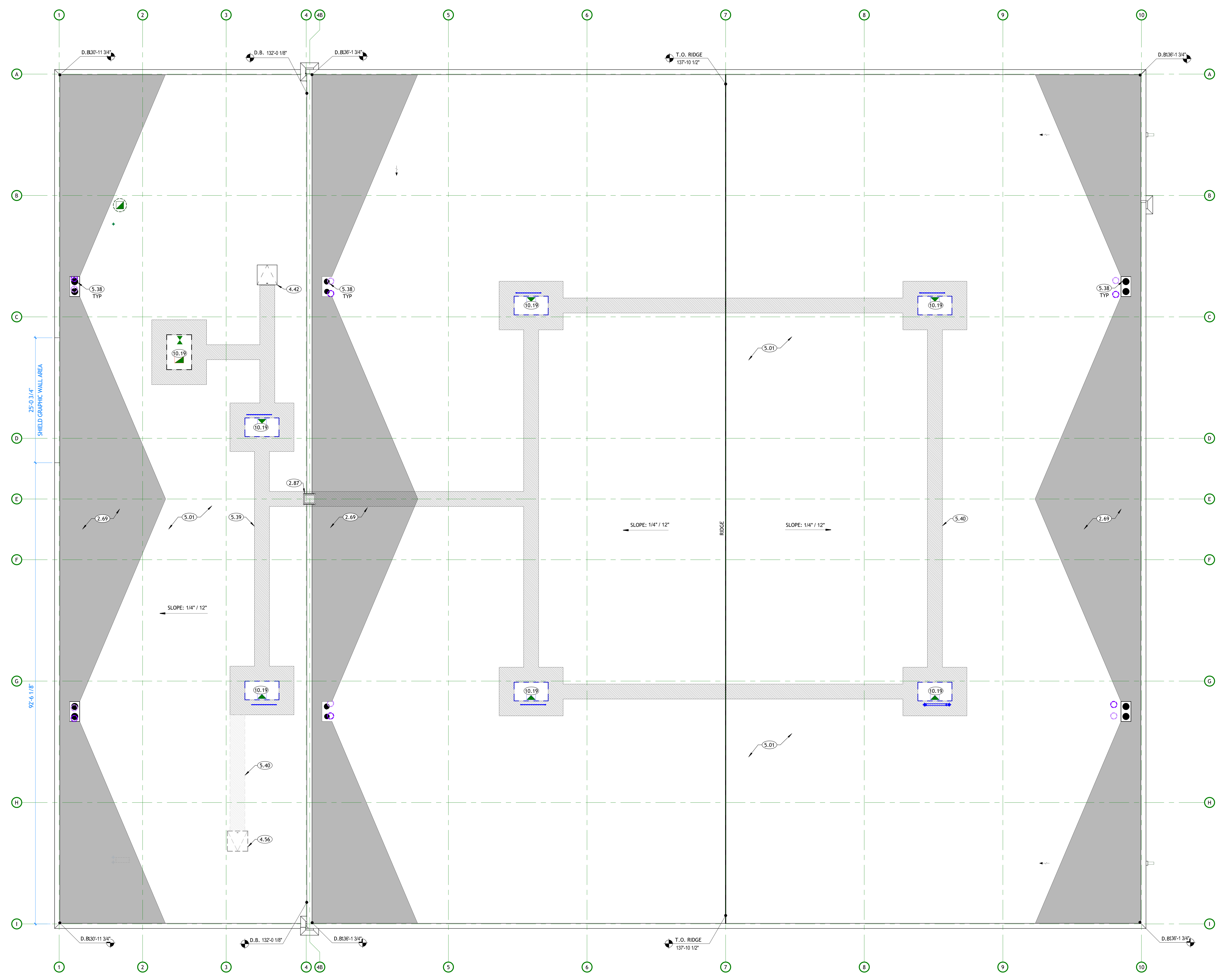
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

MAIN REFLECTED CEILING PLAN ENLARGED

SHEET NUMBER

A122



OVERALL ROOF PLAN

A131 | SCALE: 1/8" = 1'-0"

KEYNOTES

2.69	FIELD CONTOURED INSULATION ROOFING CRICKETS, SLOPE 1/4" PER FOOT MINIMUM.
2.87	BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
4.42	BASE BID ROOF HATCH WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL.
4.56	ALTERNATE ROOF HATCH LOCATION WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL. PATCH AND REPAIR BASE BID ROOF HATCH LOCATION.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.38	PRIMARY AND OVERLFOW ROOF DRAIN (TYP.) - SEE MECHANICAL
5.39	BASE BID FLEXIBLE ROOFING WALKWAY ROLL OR PAD - SEE SPECIFICATIONS.
5.40	ALTERNATE PHASE FLEXIBLE ROOFING WALKWAY ROLL OR PAD - SEE SPECIFICATIONS.
10.19	ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. MINIMUM ROOF CLASSIFICATION TO BE AS NOTED ON THE CODE ANALYSIS.
C. COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
D. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
E. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE ABOVE ROOF DECKING.
F. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS PER SINGLE-PLY MANUFACTURER'S RECOMMENDATIONS.
G. TIE PRIMARY ROOF DRAINS INTO SITE STORM DRAINAGE SYSTEM. TIE SECONDARY ROOF DRAINS THROUGH BRASS SCUPPERS.
H. ALL MECHANICAL UNITS AND ROOF PENETRATIONS MAY NOT BE SHOWN. REFER TO ENGINEERING SHEETS FOR ALL REQUIRED MECHANICAL UNITS AND ROOF PENETRATIONS. PROVIDE FLASHING, CRICKETS, AND REGLETS AT EACH UNIT. CRICKETS TO SLOPE 1/4" PER FOOT MINIMUM. SEE TYPICAL ROOF DETAILS.
I. MECHANICAL CURBS TO BE 8" MINIMUM ABOVE NEAREST HORIZONTAL OR SLOPED ROOF SURFACE.
J. SLEEPER INSTALLATION NOT PERMITTED AT MECHANICAL UNITS. PROVIDE FULL MECHANICAL CURB DETAILING.
K. DO NOT SCALE DRAWINGS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

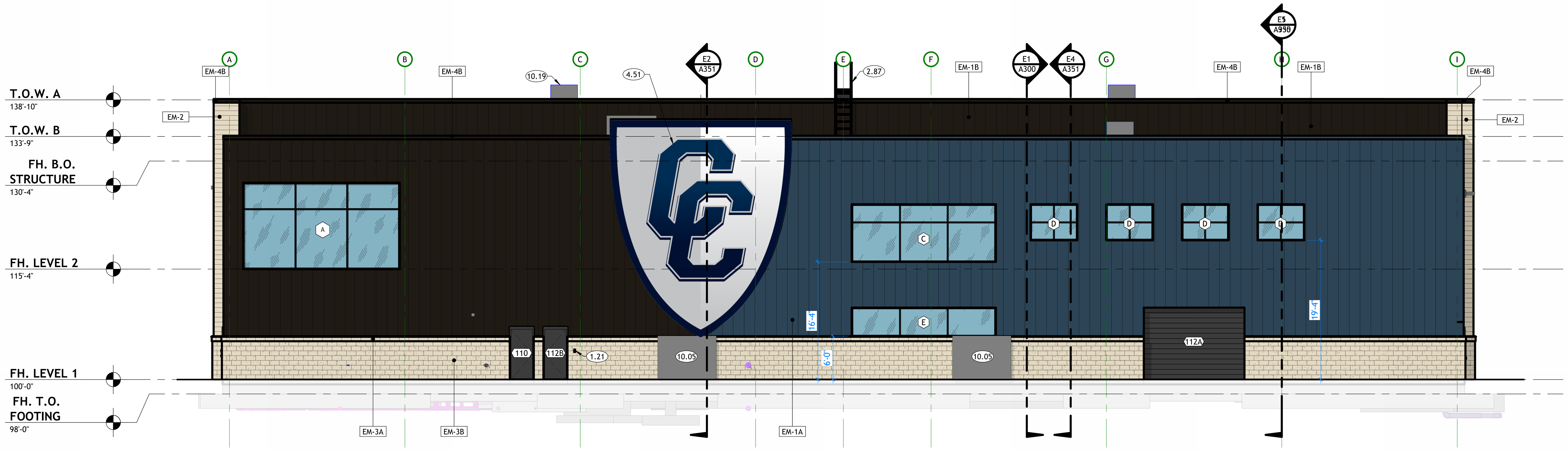
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

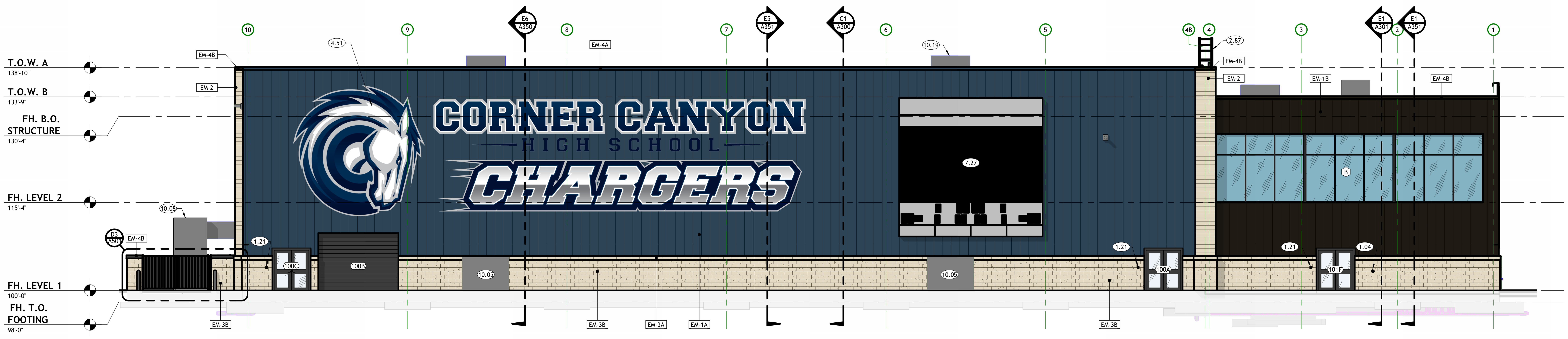
OVERALL ROOF PLAN

SHEET NUMBER

A131



C1 WEST EXTERIOR ELEVATION
A201 | SCALE: 1/8" = 1'-0"



E1 NORTH EXTERIOR ELEVATION
A201 | SCALE: 1/8" = 1'-0"

KEYNOTES

1.04	ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER ,ELECTRICAL, AND HARDWARE.
1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.87	BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
4.51	CUSTOM LOGO EXTERIOR BUILDING WRAP OVER EXTERIOR METAL PANELS. COORDINATE WITH ARCHITECT AND OWNER FOR GRAPHIC DESIGN AND SPECIFCATION.
7.27	SCOREBOARD. OWNER FURNISHED, OWNER INSTALLED.
10.05	MECHANICAL LOUVER. SEE MECHANICAL AND SPECIFICATIONS.
10.08	MECHANICAL EQUIPMENT. SEE MECHANICAL.
10.19	ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.

EXTERIOR MATERIAL LEGEND

EM-1A	INSULATED METAL PANEL (FIELD) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BLUE)
EM-1B	INSULATED METAL PANEL (ACCENT 1) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BRONZE)
EM-2	INSULATED METAL PANEL (FIELD) - 8" HORIZONTAL LAP SIDING - COLOR SELECTION BY ARCHITECT (TAN)
EM-3A	8" x 16" x 4" - CMU VENEER (FIELD) - SMOOTH - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-3B	8" x 16" x 4" - CMU VENEER (FIELD) - SPLIT FACE - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-4A	METAL PARAPET CAP (FIELD) - PREFINISHED COLOR SELECTION BY ARCHITECT (BLUE)
EM-4B	METAL PARAPET CAP (ACCENT 1) - PREFINISHED COLOR SELECTION BY ARCHITECT (BRONZE)
EM-5	EXPOSED CONCRETE - RUBBED FINISH

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. ALL MASONRY WALLS TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM. VERIFY WITH STRUCTURAL.
C. EXPOSED CONCRETE FOUNDATION AND RETAINING WALLS TO RECEIVE RUBBED FINISH.
D. CONCRETE WALL RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
E. PROVIDE PRE-FINISHED NUMBERS ON THE FRONT, EXTERIOR OF THE BUILDING INDICATING THE BUILDING ADDRESS NUMBER ASSIGNED BY THE CITY IN ACCORDANCE WITH CURRENT CITY ORDINANCE. COLOR OF PRE-FINISHED NUMBERS TO CONTRAST SIGNIFICANTLY WITH BACKGROUND COLOR OF EXTERIOR WALL. THAT ADDRESS MUST BE PERMANENTLY FASTENED TO THE EXTERIOR OF THE BUILDING PRIOR TO OCCUPANCY.
F. SEE PLUMBING SHEETS AND ROOF DRAINAGE PLAN FOR SECONDARY ROOF DRAINAGE BRASS SCUPPER AND ROOF SCUPPER WITH PRE-FINISHED ALUMINUM DOWN SPOUT LOCATIONS ALONG EXTERIOR WALLS.
G. SEE PLUMBING SHEETS FOR LOCATION OF GAS METER ALONG EXTERIOR WALL.
H. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE LOCATIONS ALONG EXTERIOR WALLS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

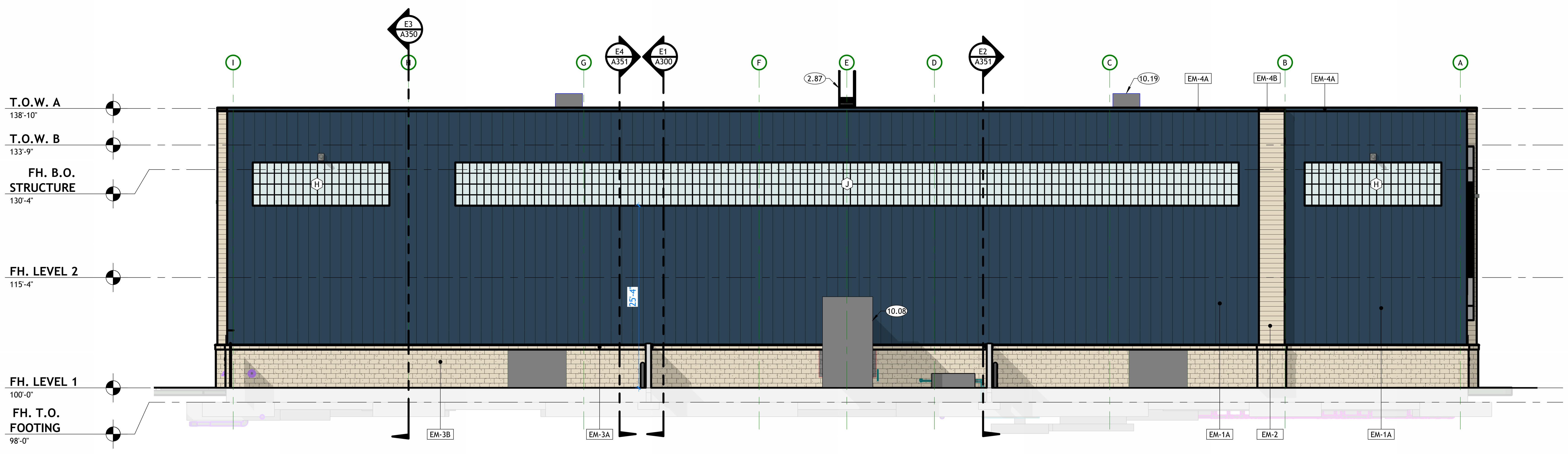
EXTERIOR ELEVATIONS

SHEET NUMBER

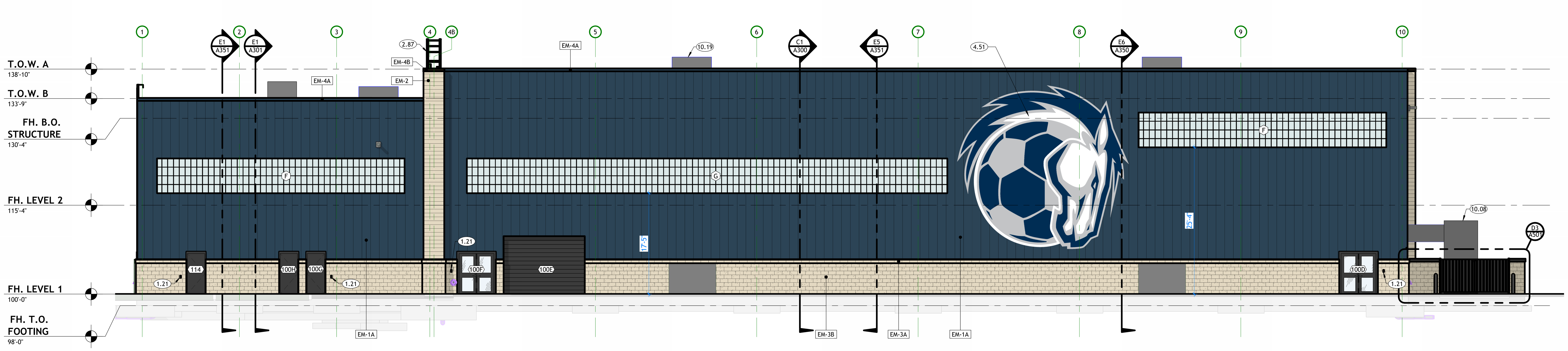
A201

KEYNOTES

1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.87	BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
4.51	CUSTOM LOGO EXTERIOR BUILDING WRAP OVER EXTERIOR METAL PANELS. COORDINATE WITH ARCHITECT AND OWNER FOR GRAPHIC DESIGN AND SPECFCATION.
10.08	MECHANICAL EQUIPMENT. SEE MECHANICAL.
10.19	ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



C1 EAST EXTERIOR ELEVATION
A202 | SCALE: 1/8" = 1'-0"



E1 SOUTH EXTERIOR ELEVATION
A202 | SCALE: 1/8" = 1'-0"

EXTERIOR MATERIAL LEGEND

EM-1A	INSULATED METAL PANEL (FIELD) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BLUE)
EM-1B	INSULATED METAL PANEL (ACCENT 1) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BRONZE)
EM-2	INSULATED METAL PANEL (FIELD) - 8" HORIZONTAL LAP SIDING - COLOR SELECTION BY ARCHITECT (TAN)
EM-3A	8" x 16" x 4" - CMU VENEER (FIELD) - SMOOTH - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-3B	8" x 16" x 4" - CMU VENEER (FIELD) - SPLIT FACE - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-4A	METAL PARAPET CAP (FIELD) - PREFINISHED COLOR SELECTION BY ARCHITECT (BLUE)
EM-4B	METAL PARAPET CAP (ACCENT 1) - PREFINISHED COLOR SELECTION BY ARCHITECT (BRONZE)
EM-5	EXPOSED CONCRETE - RUBBED FINISH

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. ALL MASONRY WALLS TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM. VERIFY WITH STRUCTURAL.
C. EXPOSED CONCRETE FOUNDATION AND RETAINING WALLS TO RECEIVE RUBBED FINISH.
D. CONCRETE WALL RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
E. PROVIDE PRE-FINISHED NUMBERS ON THE FRONT, EXTERIOR OF THE BUILDING INDICATING THE BUILDING ADDRESS NUMBER ASSIGNED BY THE CITY IN ACCORDANCE WITH CURRENT CITY ORDINANCE. COLOR OF PRE-FINISHED NUMBERS TO CONTRAST SIGNIFICANTLY WITH BACKGROUND COLOR OF EXTERIOR WALL. THAT ADDRESS MUST BE PERMANENTLY FASTENED TO THE EXTERIOR OF THE BUILDING PRIOR TO OCCUPANCY.
F. SEE PLUMBING SHEETS AND ROOF DRAINAGE PLAN FOR SECONDARY ROOF DRAINAGE BRASS SCUPPER AND ROOF SCUPPER WITH PRE-FINISHED ALUMINUM DOWN SPOUT LOCATIONS ALONG EXTERIOR WALLS.
G. SEE PLUMBING SHEETS FOR LOCATION OF GAS METER ALONG EXTERIOR WALL.
H. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE LOCATIONS ALONG EXTERIOR WALLS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

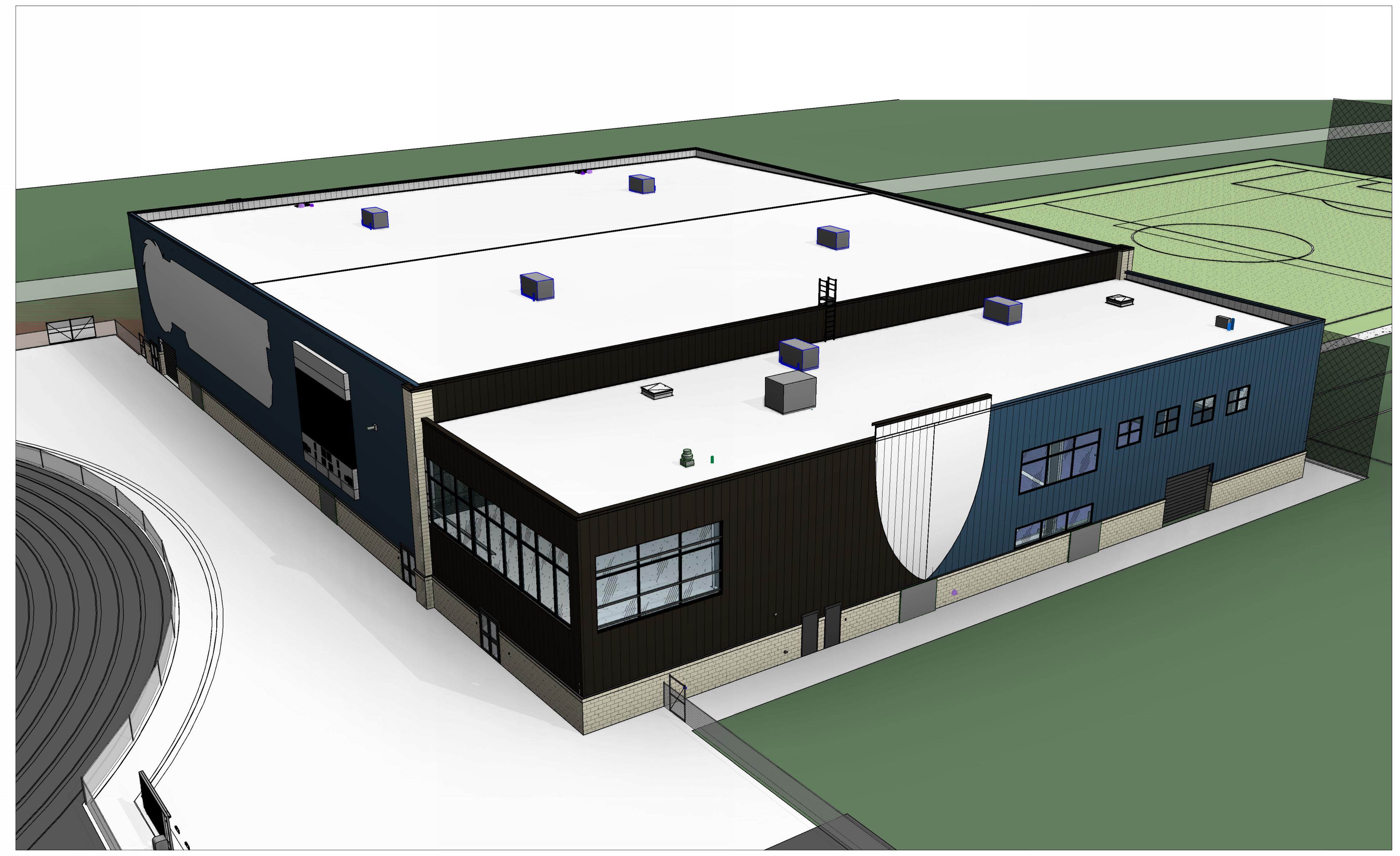
EXTERIOR ELEVATIONS

SHEET NUMBER

A202

C1 FIELDHOUSE EXTERIOR PERSPECTIVE - A

A250 | SCALE:



C5 FIELDHOUSE EXTERIOR PERSPECTIVE - B

A250 | SCALE:

E1 FIELDHOUSE EXTERIOR PERSPECTIVE - C

A250 | SCALE:

E5 FIELDHOUSE EXTERIOR PERSPECTIVE - D

A250 | SCALE:

CORE ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

3D PERSPECTIVES

SHEET NUMBER

A250

B2 EX. RENDERING - V.I.P SUITE
A251 | SCALE: 1" = 1'-0"

B5 EX. RENDERING - WEIGHTROOM
A251 | SCALE: 1" = 1'-0"

E2 EX. RENDERING - SHIELD VIEW
A251 | SCALE: 1" = 1'-0"

E5 EX. RENDERING - FOOTBALL FIELD VIEW
A251 | SCALE: 1" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

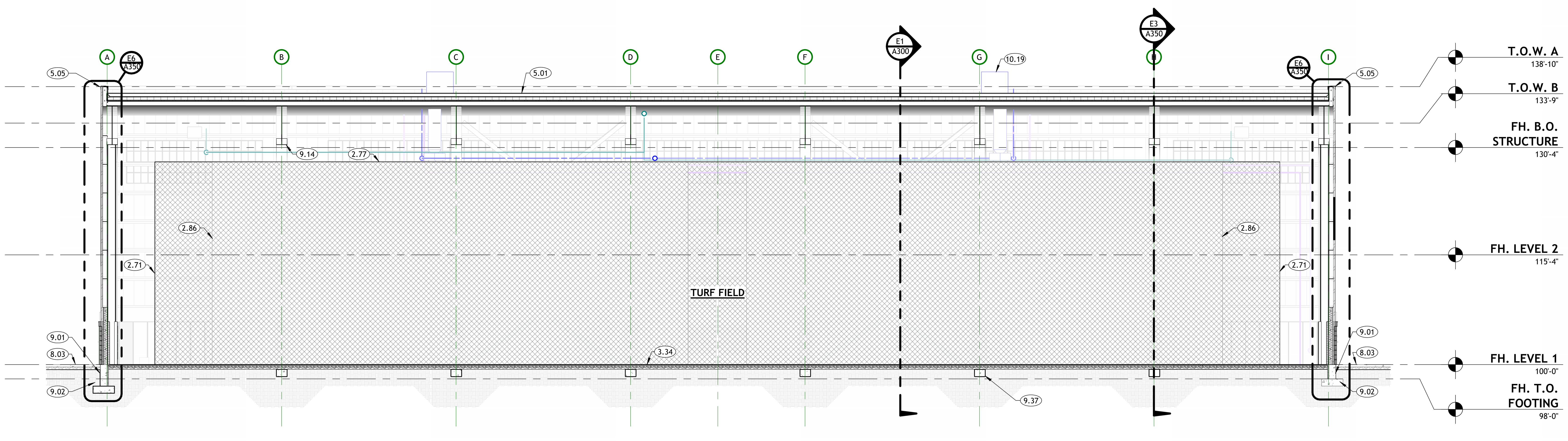
EXTERIOR RENDERINGS

SHEET NUMBER

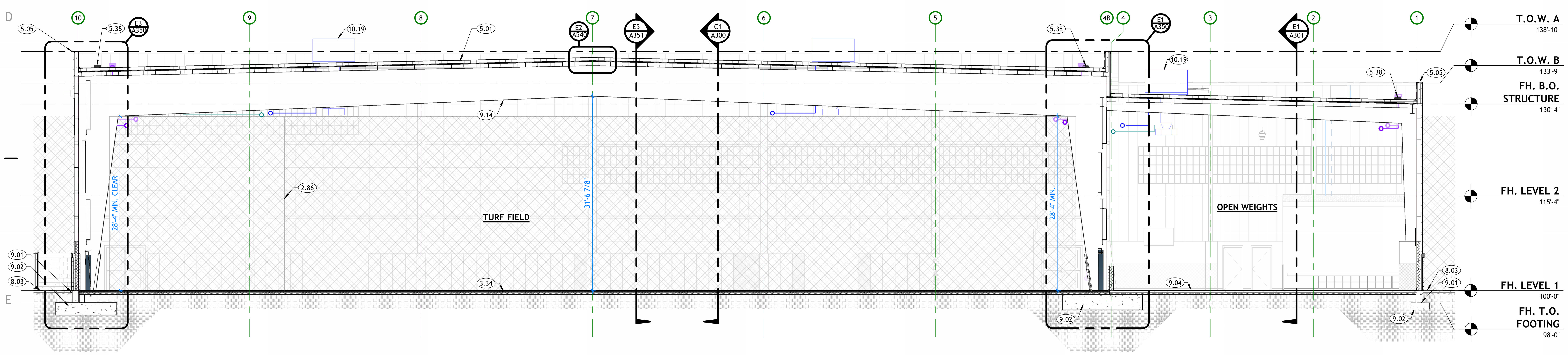
A251

KEYNOTES

2.71	NETTING, WEIGHTED PERIMETER.
2.77	NETTING, FIXED PERIMETER CEILING (C.P.C.I.)
2.86	MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.
3.34	NEW INDOOR ARTIFICIAL TURF, (NIC0. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.05	PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
5.38	PRIMARY AND OVERLFOW ROOF DRAIN (TYP.) - SEE MECHANICAL
8.03	CONCRETE SIDEWALK. SEE CIVIL.
9.01	CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.14	PAINTED EXPOSED STRUCTURAL STEEL. SEE STRUCTURAL FOR CONNECTION REQUIREMENTS.
9.37	CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.
10.19	ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



C1 BUILDING SECTION 01
A300 | SCALE: 1/8" = 1'-0"



E1 BUILDING SECTION 02
A300 | SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

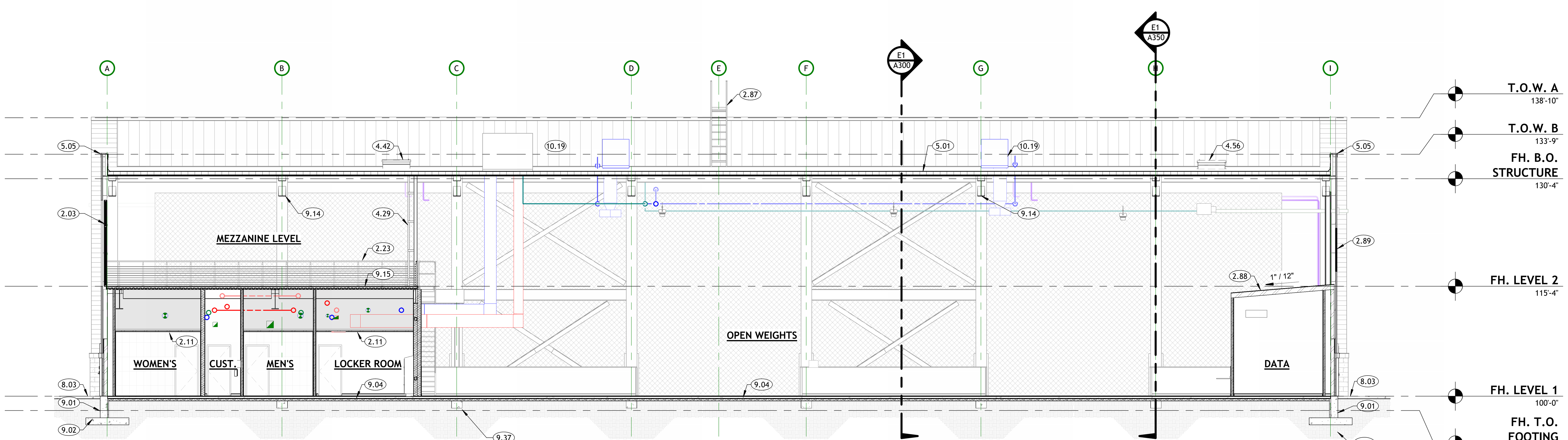
BUILDING SECTIONS

SHEET NUMBER

A300

KEYNOTES

2.03	WINDOW. SEE WINDOW TYPES AND SCHEDULE.
2.11	SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
2.87	BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
2.88	BASE BID SLOPED 8" METAL STUD WITH GYP SHELF COVERING.
2.89	TRANSLUSANT PANELING. SEE WINDOW SCHEDULE.
4.29	ROOF ACCESS LADDER AND HATCH
4.42	BASE BID ROOF HATCH WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL.
4.56	ALTERNATE ROOF HATCH LOCATION WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL. PATCH AND REPAIR BASE BID ROOF HATCH LOCATION.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.05	PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
8.03	CONCRETE SIDEWALK. SEE CIVIL.
9.01	CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.14	PAINTED EXPOSED STRUCTURAL STEEL. SEE STRUCTURAL FOR CONNECTION REQUIREMENTS.
9.15	CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.
9.37	CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.
10.19	ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



E1 **BUILDING SECTION 03**
A301 | SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

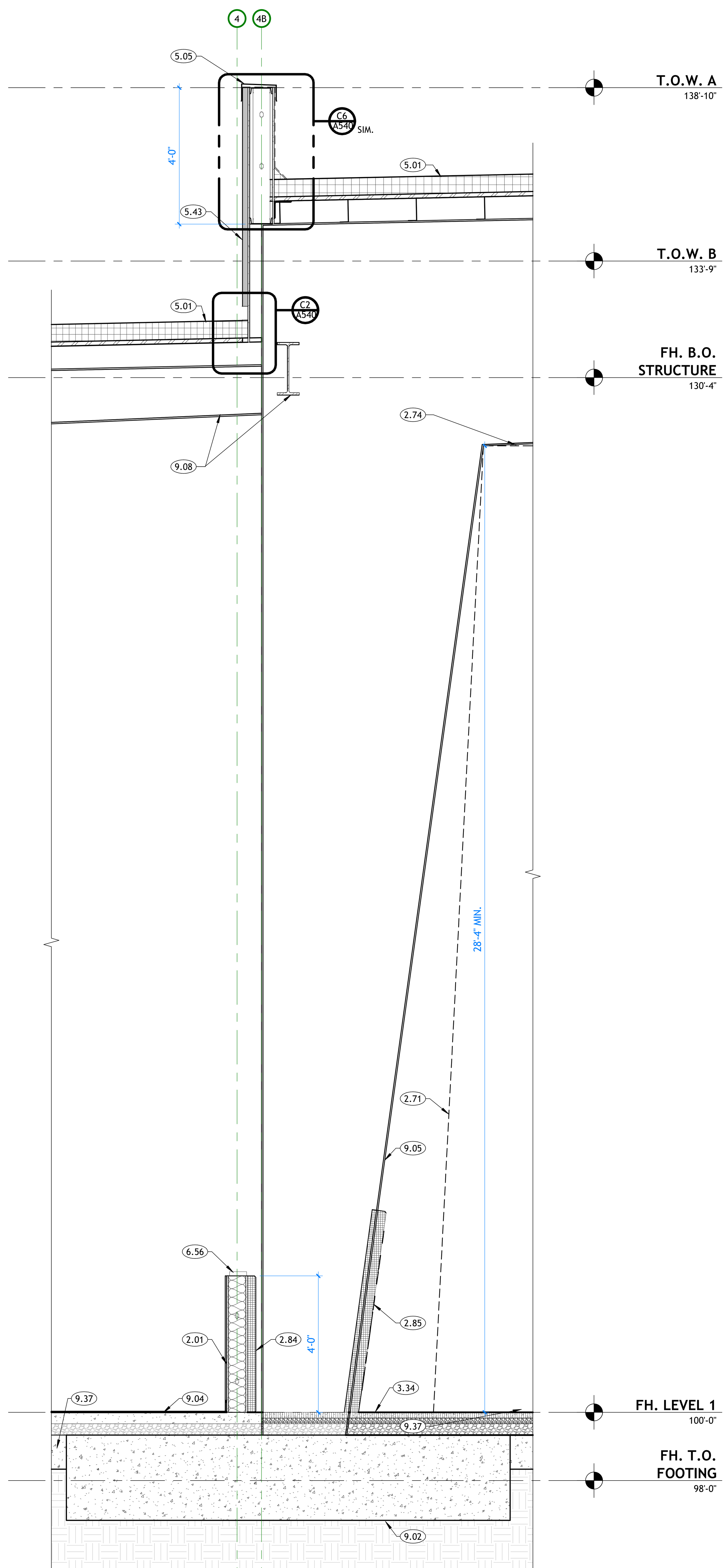
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

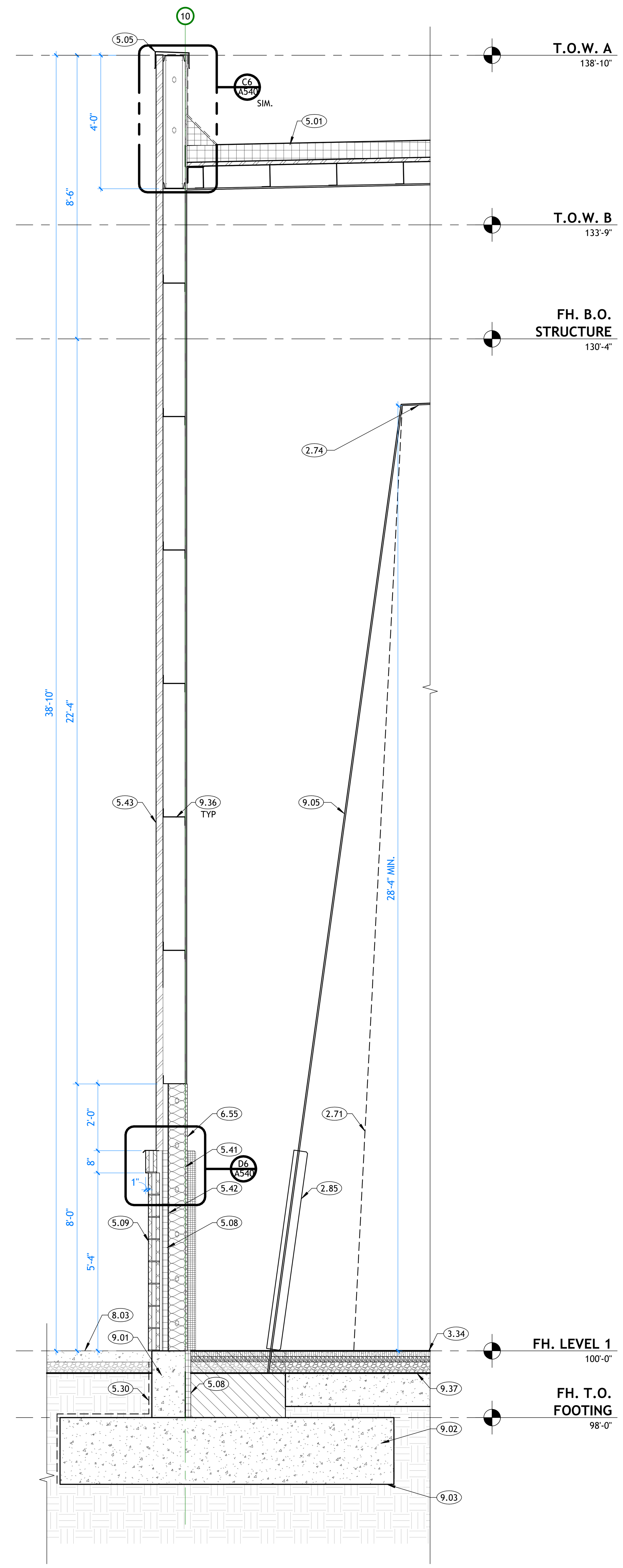
BUILDING SECTIONS

SHEET NUMBER

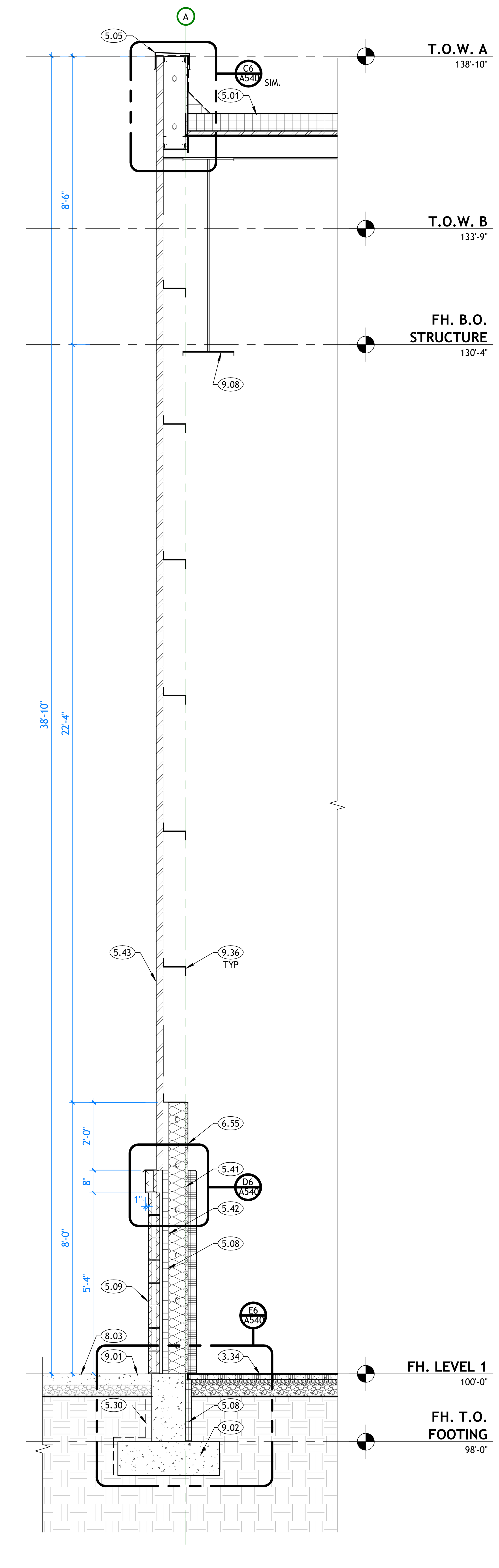
A301



E1 WALL SECTION - WIEGHTROOM & TURF FIELD
A350 | SCALE: 1/2" = 1'-0"



E3 TYPICAL WALL SECTION @ COLUMN
A350 | SCALE: 1/2" = 1'-0"



E6 TYPICAL WALL SECTION
A350 | SCALE: 1/2" = 1'-0"

KEYNOTES

2.01	STUD WALL. SEE WALL TYPES.
2.71	NETTING, WEIGHTED PERIMETER.
2.74	BATTING CAGE NETTING, FIXED PERIMETER CEILING (C.P.C.I.)
2.84	4'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
2.85	6'-0" TALL ATHLETIC STRUCTURAL COLUMN PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
3.34	NEW INDOOR ARTIFICIAL TURF, (NIC0. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.05	PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
5.08	2" RIGID INSULATION.
5.09	4" CONCRETE MASONRY VENEER. SEE ELEVATIONS
5.30	WATER PROOFING TYP. AT CONCRETE WALLS. SEE DETAILS AND SPECIFICATIONS.
5.41	6" METAL STUD FRAMING
5.42	5/8" DENSGLASS SHEATHING.
5.43	VERTICAL FLUSH JOINT PANEL. SEE EXTERIOR ELEVATIONS FOR FINISH.
6.55	PAINTED 3/4" PLYWOOD. SEE INTERIOR ELEVATIONS.
6.56	PONY WALL CAP. SEE INTERIOR ELEVATIONS AND SECIFICATIONS.
8.03	CONCRETE SIDEWALK. SEE CIVIL.
9.01	CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.03	FOOTINGS TO REST ON NATIVE SOILS OR ENGINEERED FILL. SEE STRUCTURAL AND THE GEOTECHNICAL REPORT.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.05	STEEL COLUMN. SEE STRUCTURAL.
9.08	STRUCTURAL STEEL FRAMING. SEE STRUCTURAL.
9.36	ALUMINUM Z GIRT FRAMING. SPACING AND QUANITY TO BE DETERMINDED BY PRE-FABRICATION METAL BUILDING CONSULANT.
9.37	CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

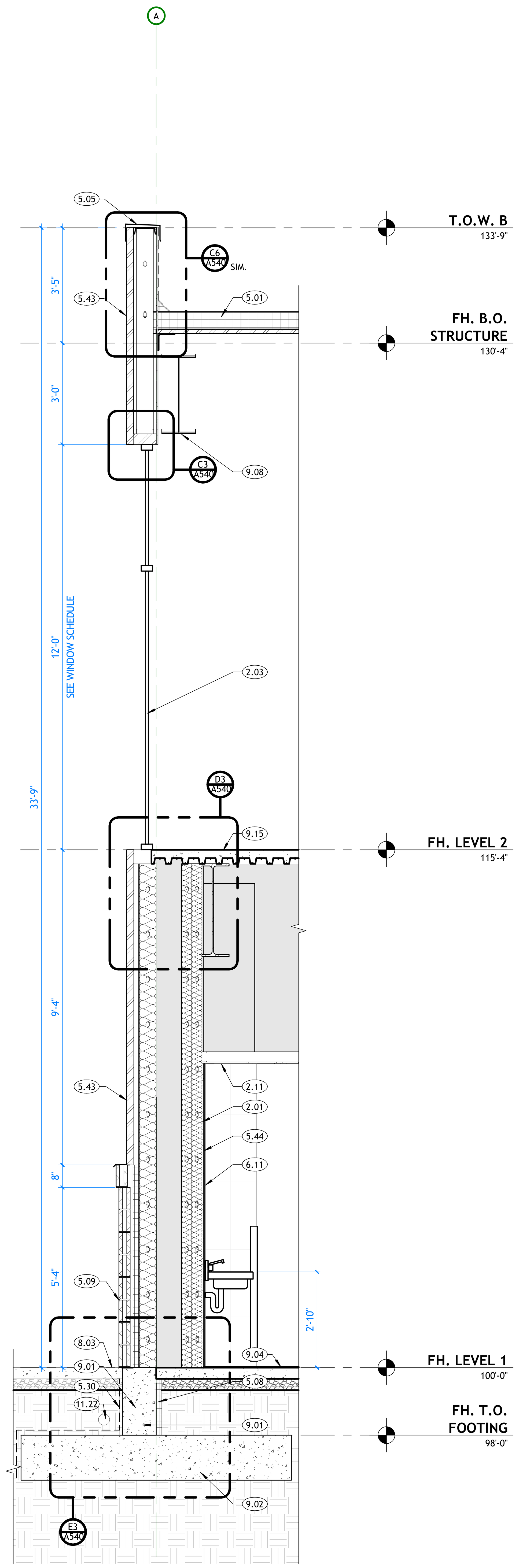
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

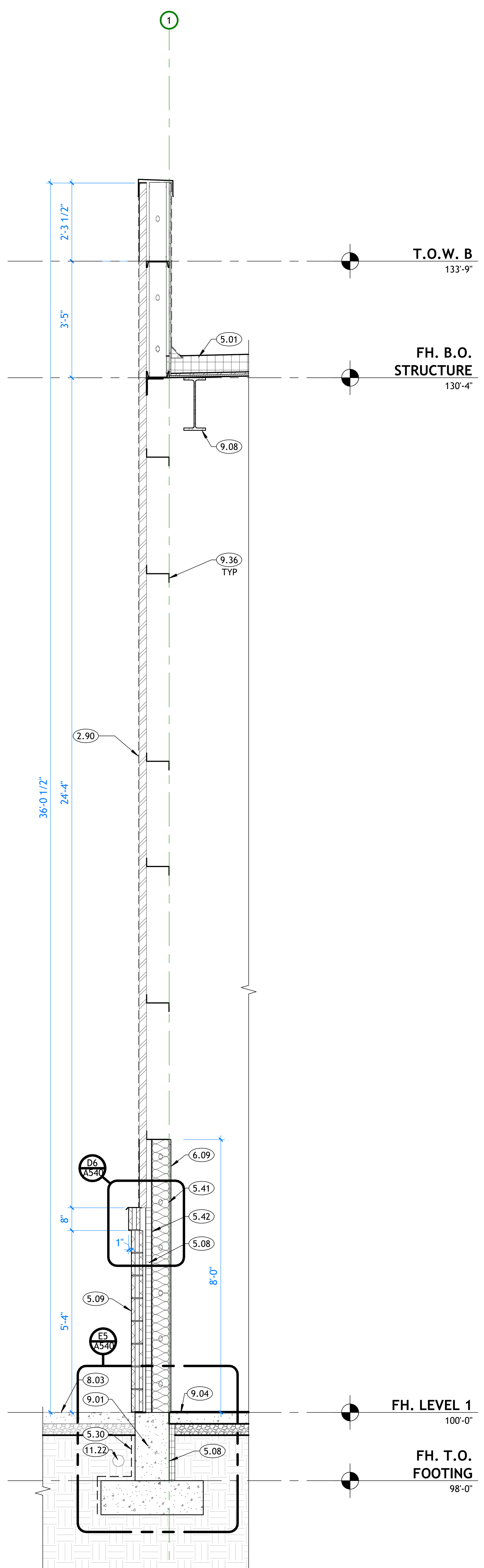
WALL SECTIONS

SHEET NUMBER

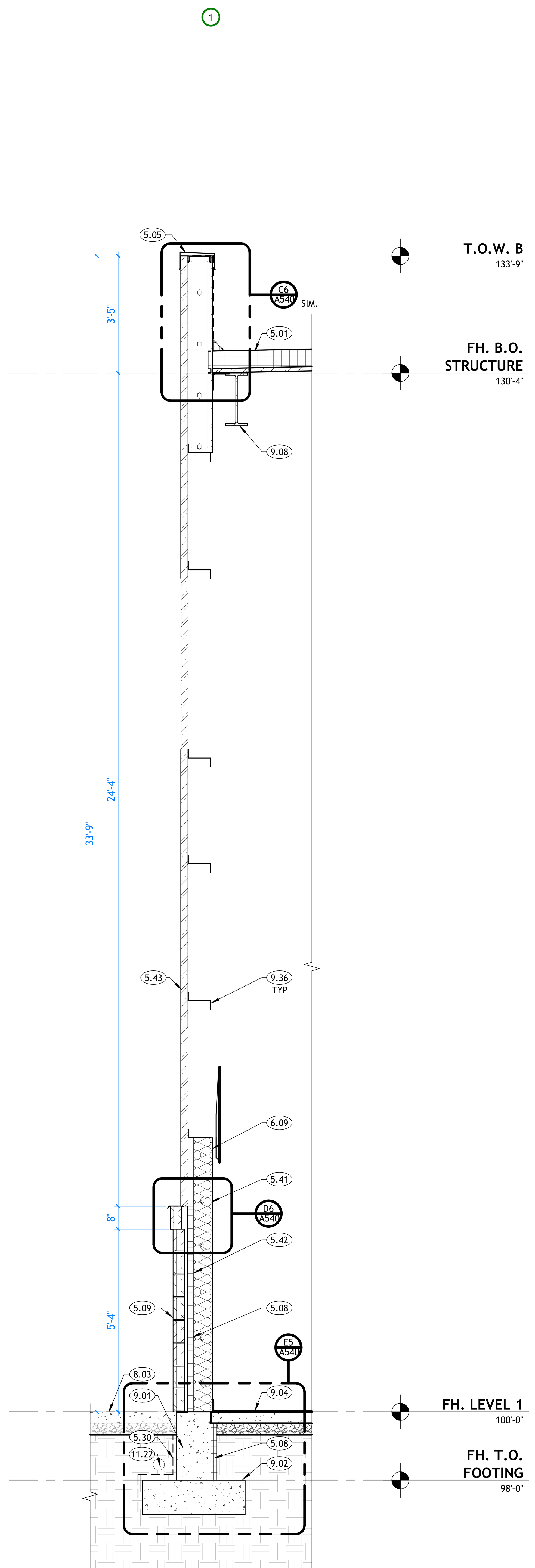
A350



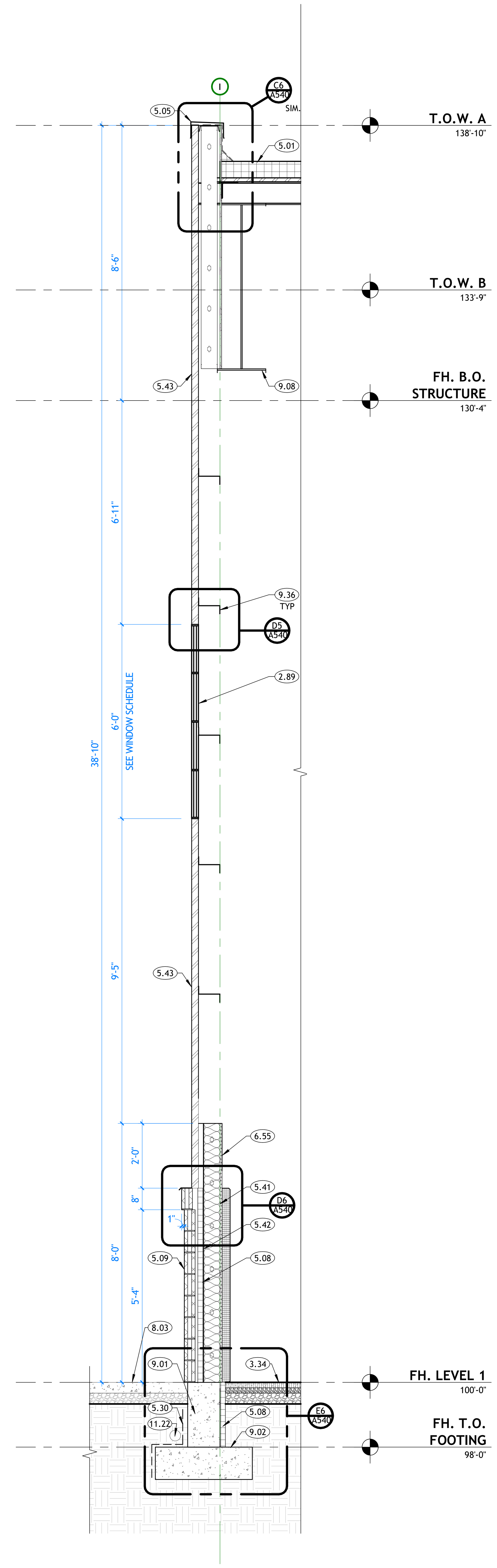
E1 WALL SECTION @ WOMEN'S RESTROOM
A351 | SCALE: 1/2" = 1'-0"



E2 WALL SECTION @ SHIELD
A351 | SCALE: 1/2" = 1'-0"



E4 WALL SECTION - WEIGHT ROOM
A351 | SCALE: 1/2" = 1'-0"



E5 TYPICAL WALL @ TRANSLUCENT PANEL
A351 | SCALE: 1/2" = 1'-0"

KEYNOTES

2.01	STUD WALL. SEE WALL TYPES.
2.03	WINDOW. SEE WINDOW TYPES AND SCHEDULE.
2.11	SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.
2.89	TRANSLUSANT PANELING. SEE WINDOW SCHEDULE.
2.90	DASHED LINE DENOTES SHIELD GRAPHIC.
3.34	NEW INDOOR ARTIFICIAL TURF, (NIC0. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.05	PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
5.08	2" RIGID INSULATION.
5.09	4" CONCRETE MASONRY VENEER. SEE ELEVATIONS
5.30	WATER PROOFING TYP. AT CONCRETE WALLS. SEE DETAILS AND SPECIFICATIONS.
5.41	6" METAL STUD FRAMING
5.42	5/8" DENSGLASS SHEATHING.
5.43	VERTICAL FLUSH JOINT PANEL. SEE EXTERIOR ELEVATIONS FOR FINISH.
5.44	TYPE 'X' GYPSUM BOARD..
6.09	PAINTED GYP. BOARD. SEE INTERIOR ELEVATIONS AND FINISH PLANS. COLOR TO BE SELECTED BY ARCHITECT.
6.11	TYPICAL RESTROOM TILE PATTERN. SEE INTERIOR ELEVATIONS AND FINISH PLANS FOR PATTERN LAYOUT. FOR TYPE AND COLOR SEE SPECIFICATIONS.
6.55	PAINTED 3/4" PLYWOOD. SEE INTERIOR ELEVATIONS.
8.03	CONCRETE SIDEWALK. SEE CIVIL.
9.01	CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.08	STRUCTURAL STEEL FRAMING. SEE STRUCTURAL.
9.15	CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.
9.36	ALUMINUM Z GIRT FRAMING. SPACING AND QUANITY TO BE DETERMINDED BY PRE-FABRICATION METAL BUILDING CONSULANT.
11.22	PERFORATED PERIMETER DRAIN

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

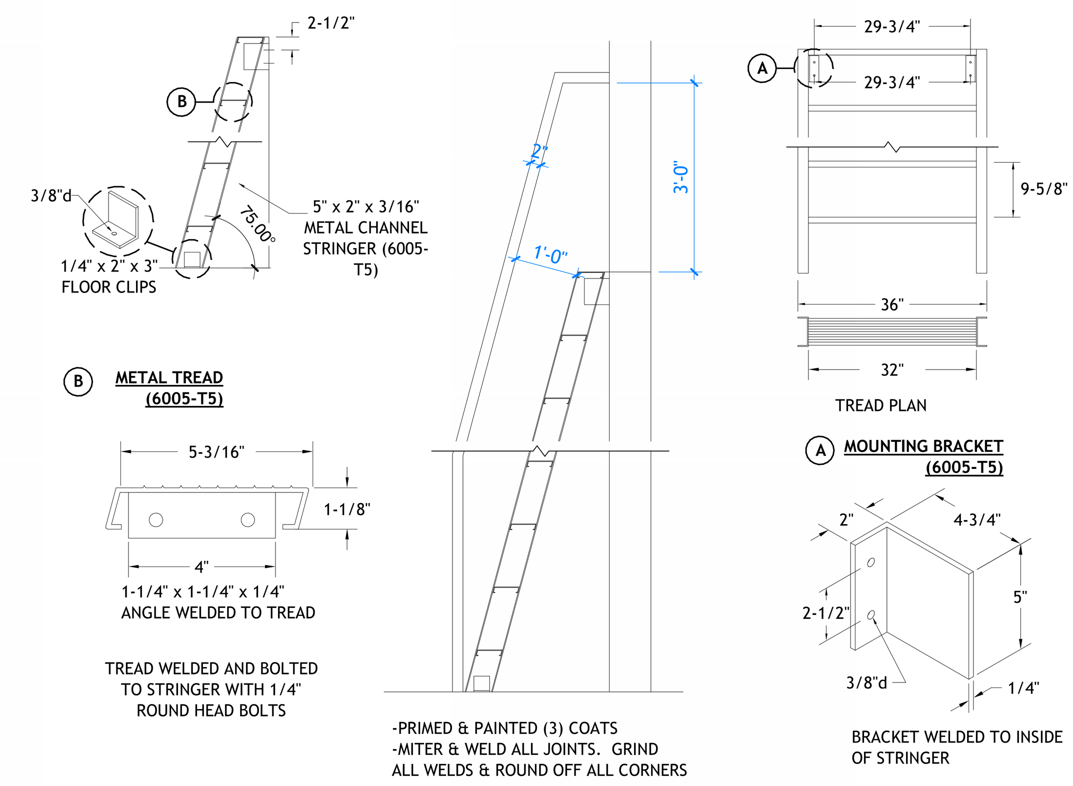
SHEET TITLE

WALL SECTIONS

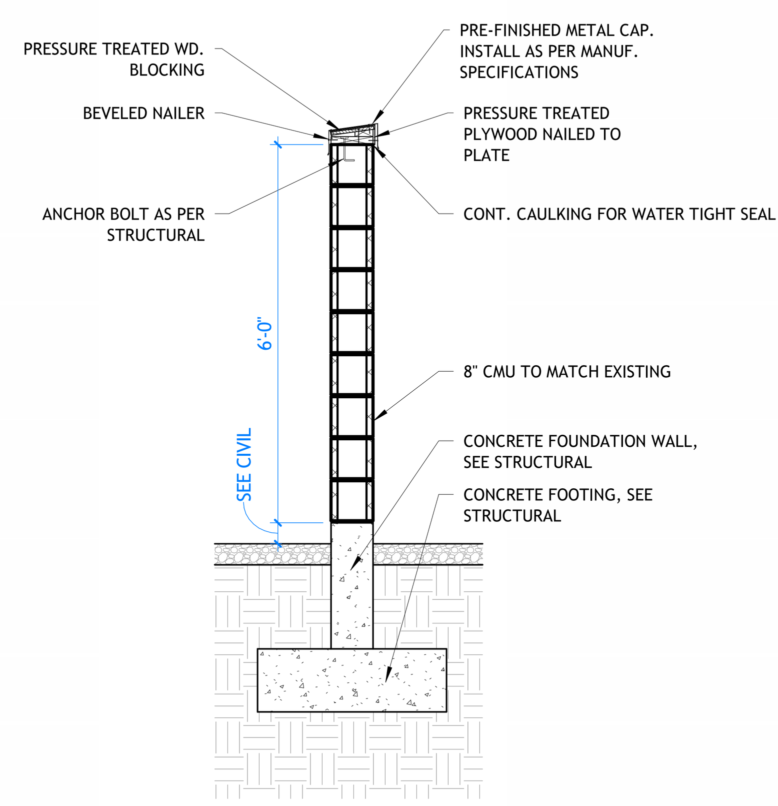
SHEET NUMBER

A351

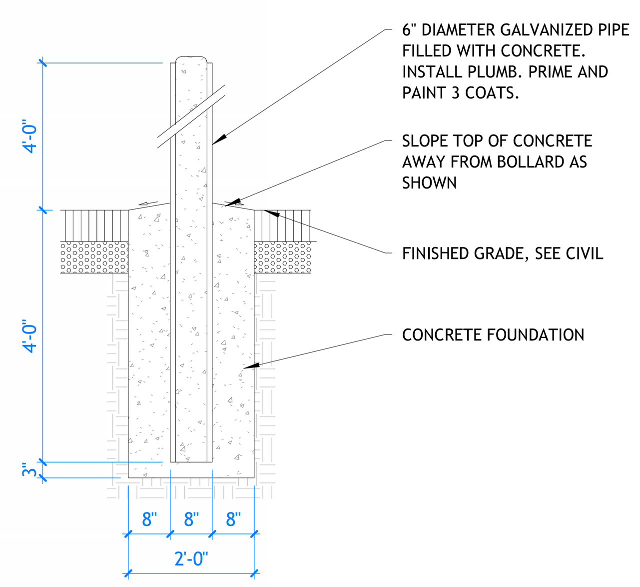
KEYNOTES



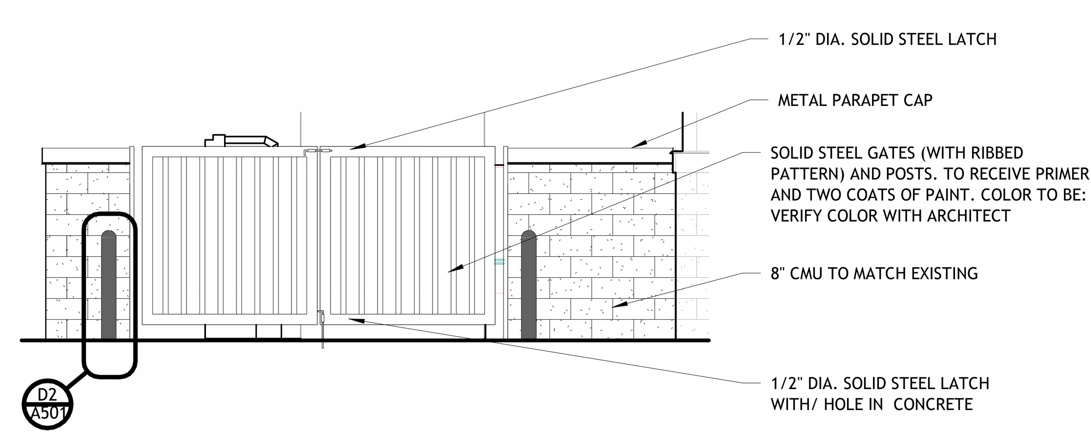
A5 TYPICAL PREFABRICATED METAL STAIR
A501 | SCALE: 1/2" = 1'-0"



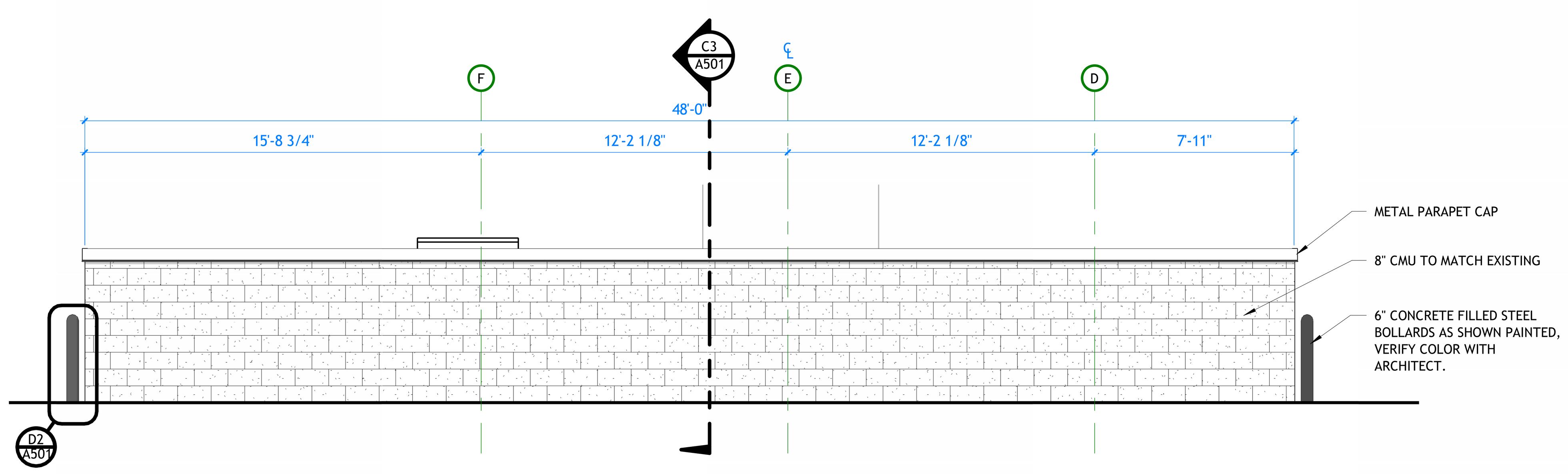
C3 MECHANICAL ENCLOSURE - TYP. WALL SECTION
A501 | SCALE: 1/2" = 1'-0"



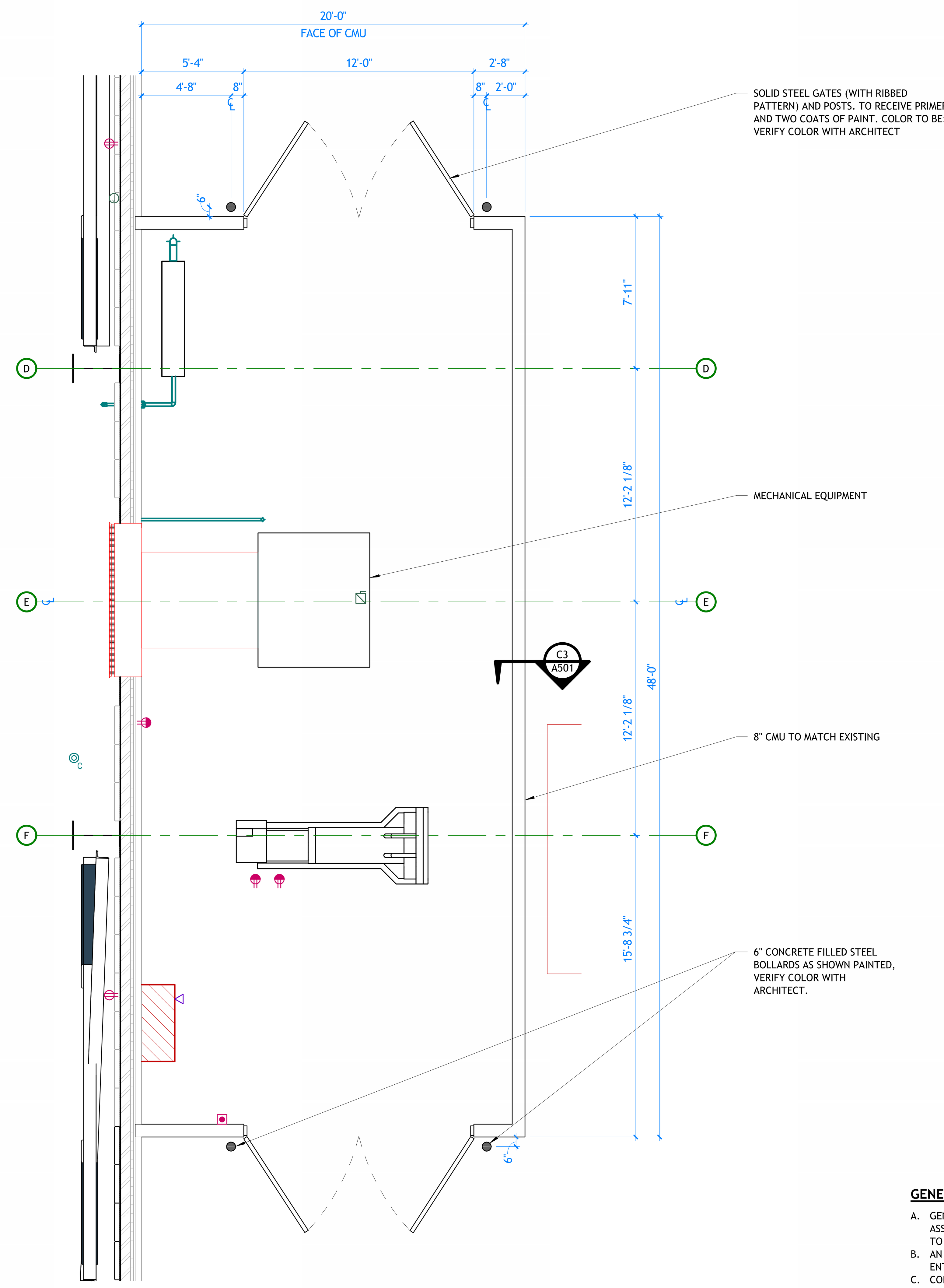
D2 BOLLARD DETAIL
A501 | SCALE: 1/2" = 1'-0"



D3 MECHANICAL ENCLOSURE - FRONT ELEVATION
A501 | SCALE: 1/4" = 1'-0"



E2 MECHANICAL ENLCOSURE - SIDE ELEVATION
A501 | SCALE: 1/4" = 1'-0"



E5 MECHANICAL ENCLOSURE - PLAN
A501 | SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 CONTINUOUS POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. RECOMMENDATIONS FOUND IN THE GEOTECHNICAL STUDY PERFORMED ARE TO BE FOLLOWED STRICTLY.
J. SEE STRUCTURAL ENGINEERING SHEETS AND WALL TYPES FOR GAUGE OF METAL STUDS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ARCHITECTURAL DETAILS

SHEET NUMBER

A501

1 2 3 4 5 6 7

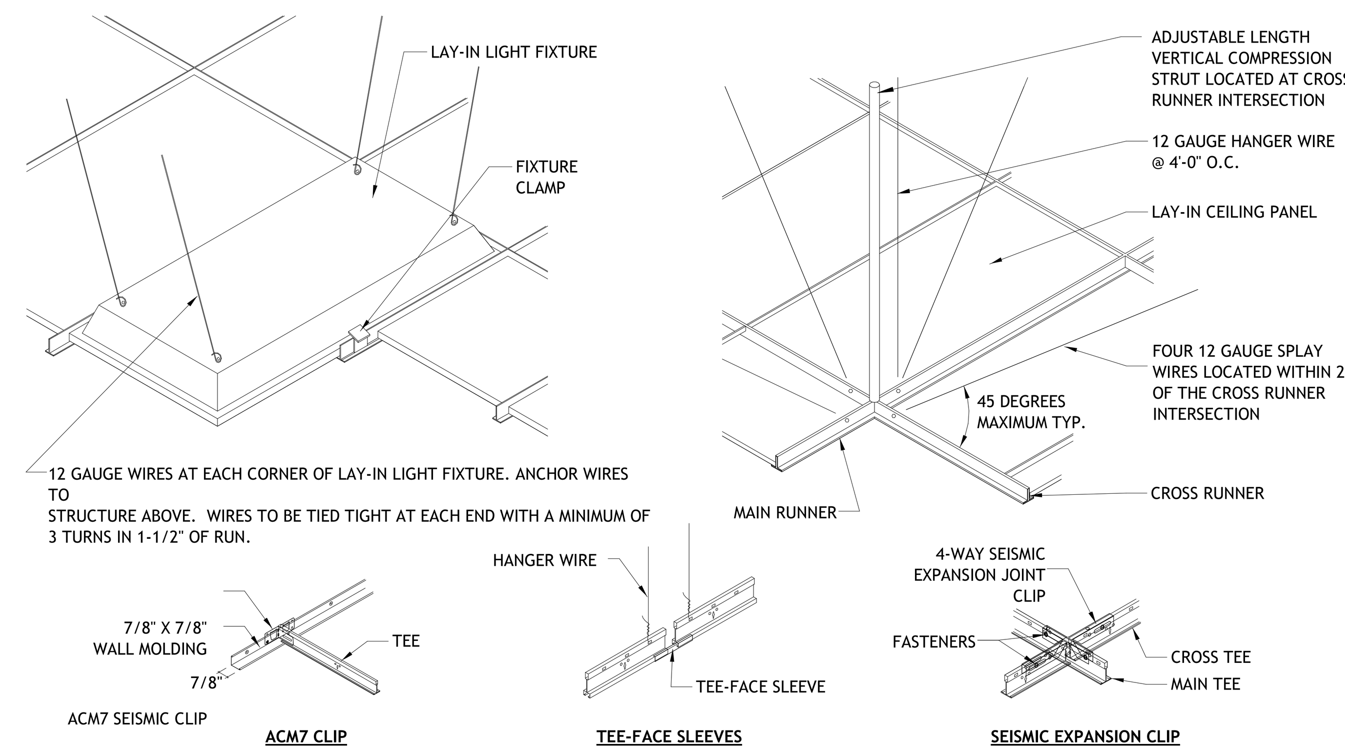
A

B

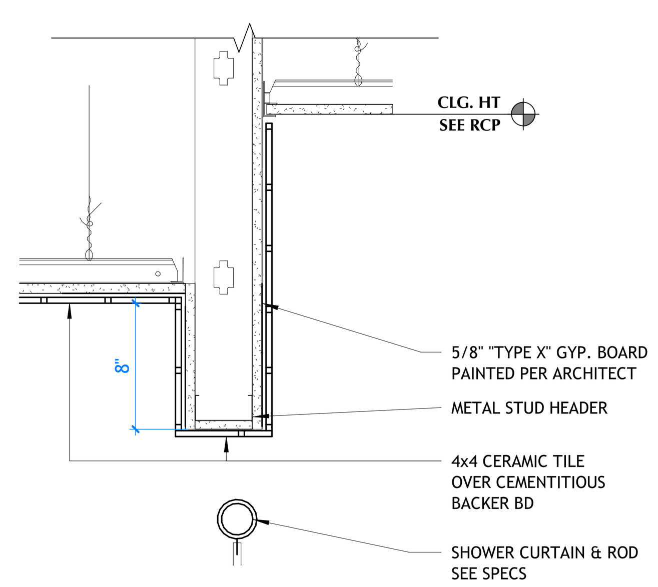
C

D

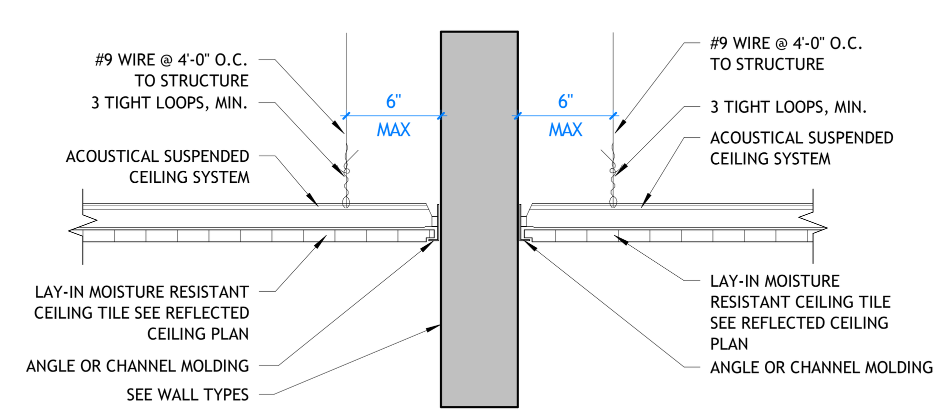
E



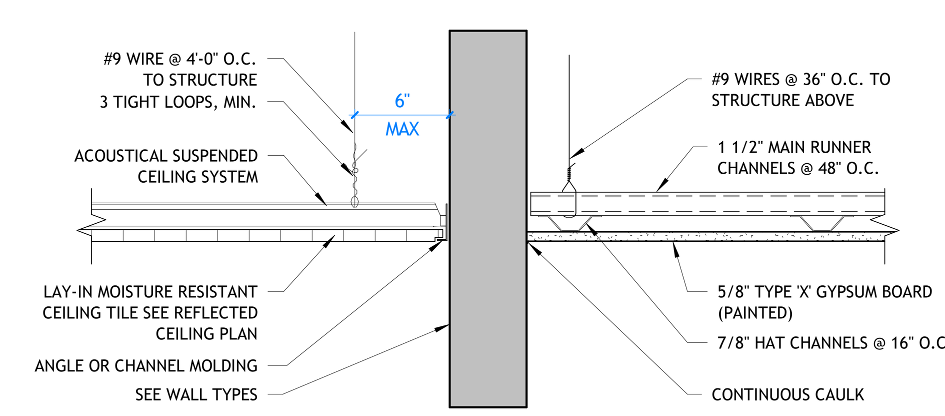
C5 SEISMIC CEILING DETAIL
A520 | SCALE: 1 1/2" = 1'-0"



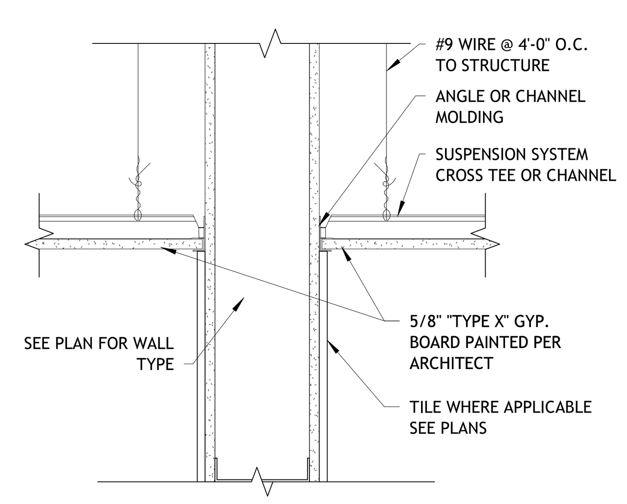
D3 TRANSITION @ SHOWER
A520 | SCALE: 1 1/2" = 1'-0"



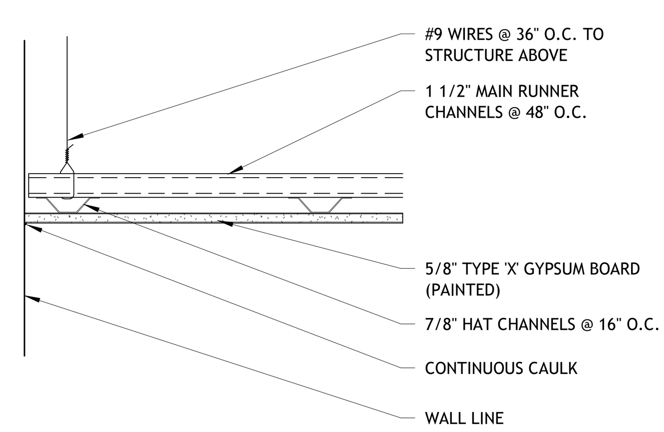
D4 TYP. CEILING TRANSITION DETAIL
A520 | SCALE: 1 1/2" = 1'-0"



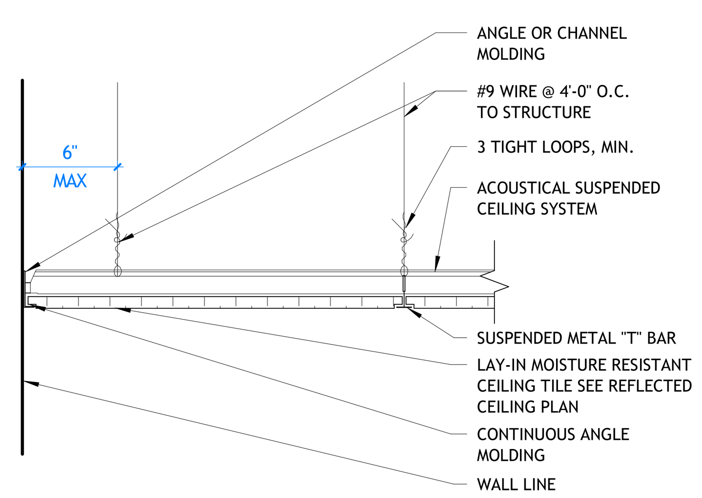
D6 TYP. CEILING TRANSITION DETAIL (GYP. & ACT)
A520 | SCALE: 1 1/2" = 1'-0"



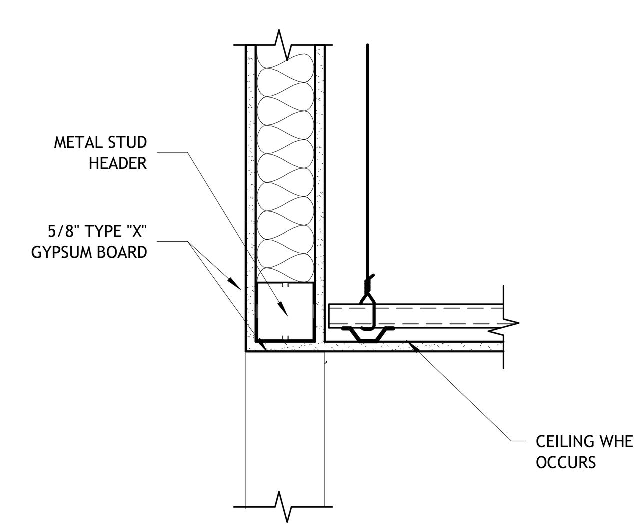
E3 GYP. CEILING TRANSITION DETAIL
A520 | SCALE: 1 1/2" = 1'-0"



E4 SUSPENDED GYP BOARD CEILING
A520 | SCALE: 1 1/2" = 1'-0"



E5 ACOUSTICAL CEILING DETAIL
A520 | SCALE: 1 1/2" = 1'-0"



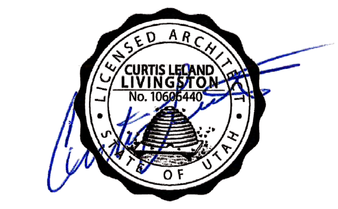
E6 HEADER DETAIL
A520 | SCALE: 1 1/2" = 1'-0"

SUSPENDED CEILING SYSTEM NOTES:

1. SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
2. ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
3. HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
4. SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
5. ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
6. SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
7. FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12'-0" O.C. EACH WAY.
8. PROVIDE CEILING HORIZONTAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
9. PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
10. CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
11. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
12. PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
13. SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.
14. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURAL ABOVE. SEE ELECTRICAL SHEETS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

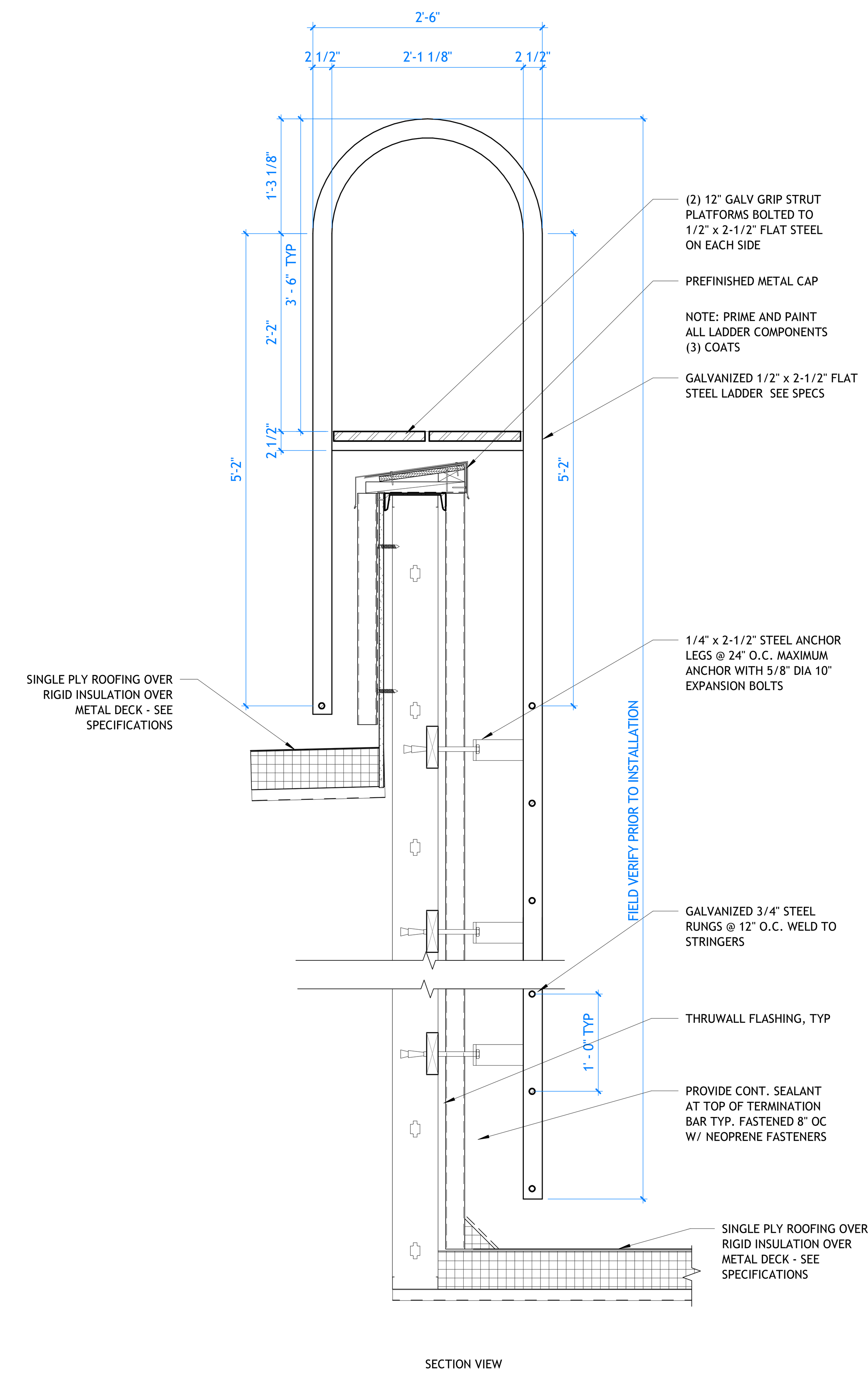
CEILING DETAILS

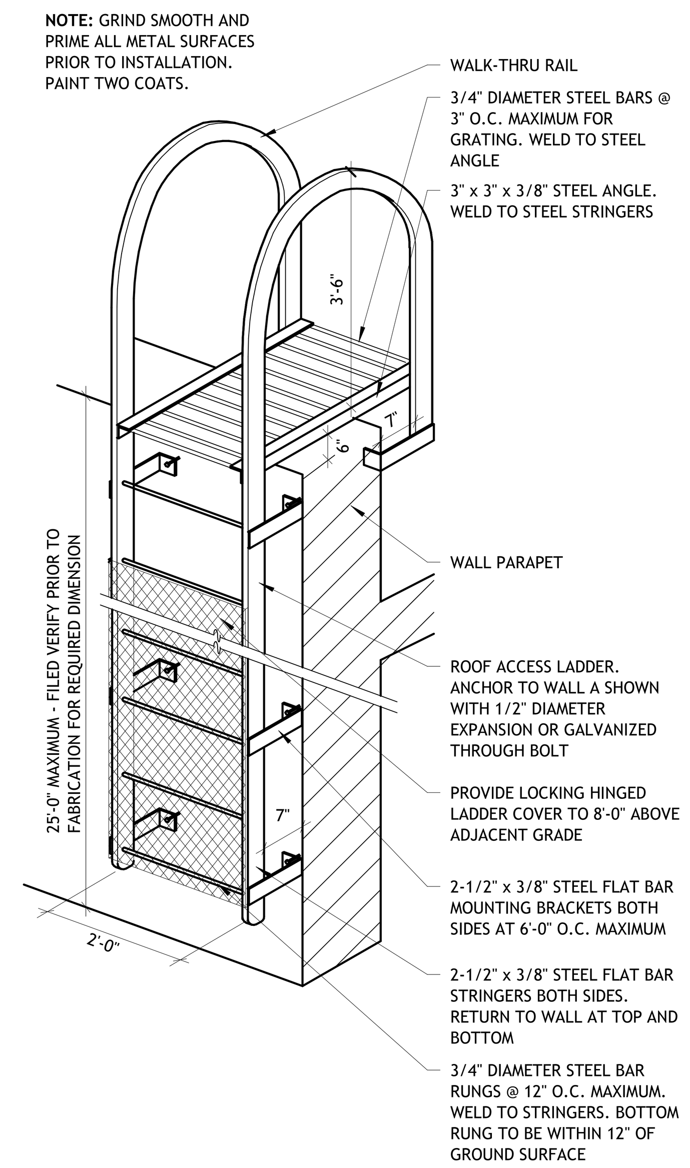
SHEET NUMBER

A520

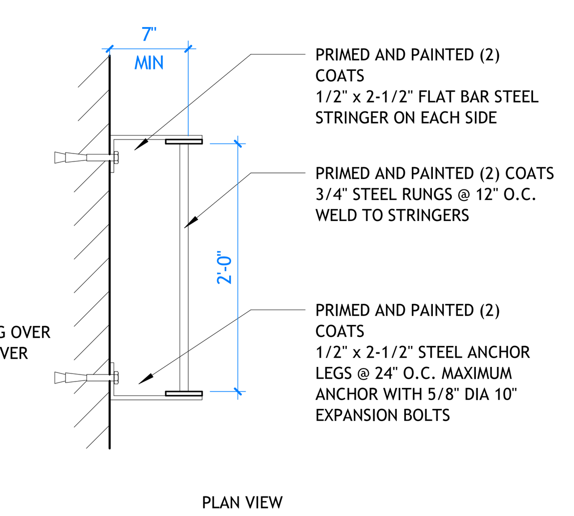
1 2 3 4 5 6 7

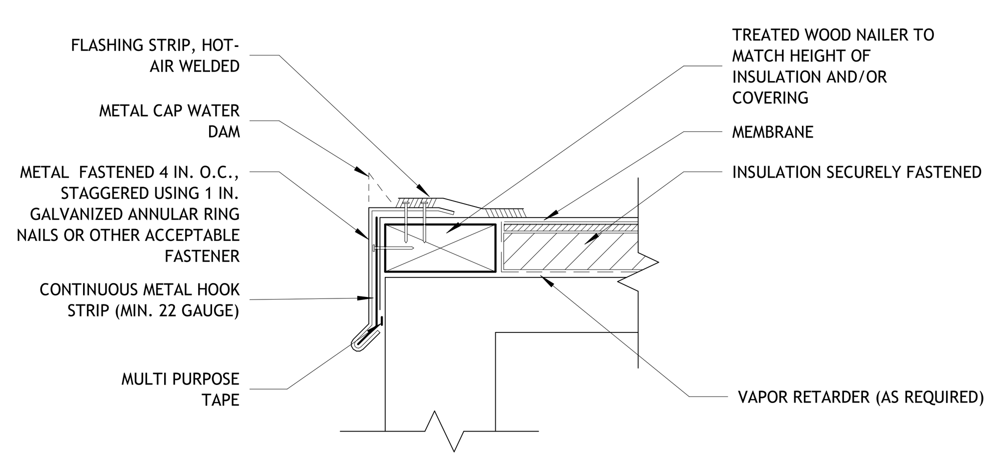
A B C D E



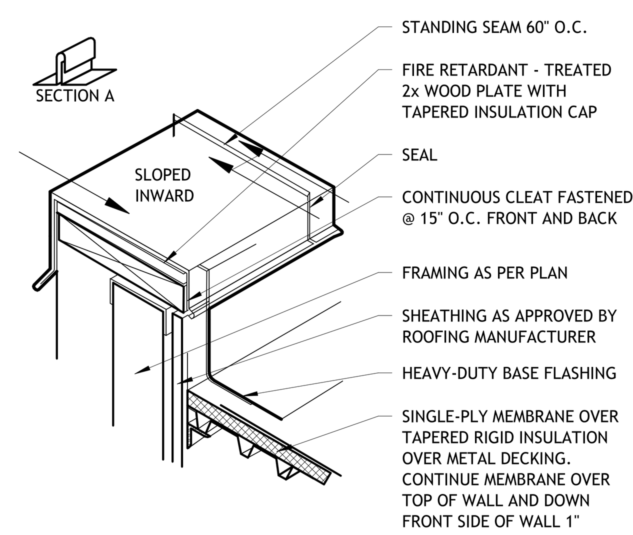


B7 ROOF ACCESS LADDER
A530 | SCALE: 3/4" = 1'-0"



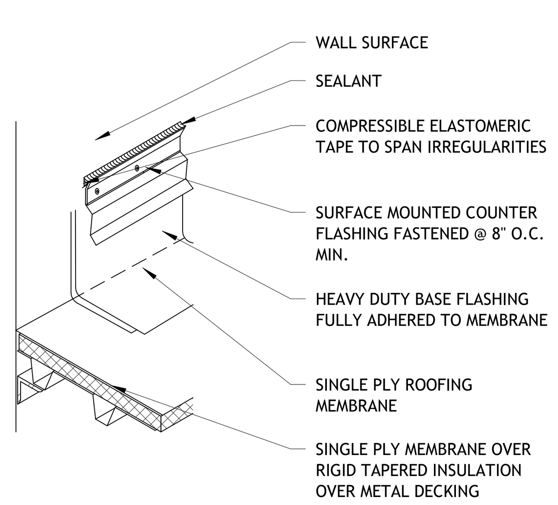


C2 METAL EDGE
A530 | SCALE: 3" = 1'-0"

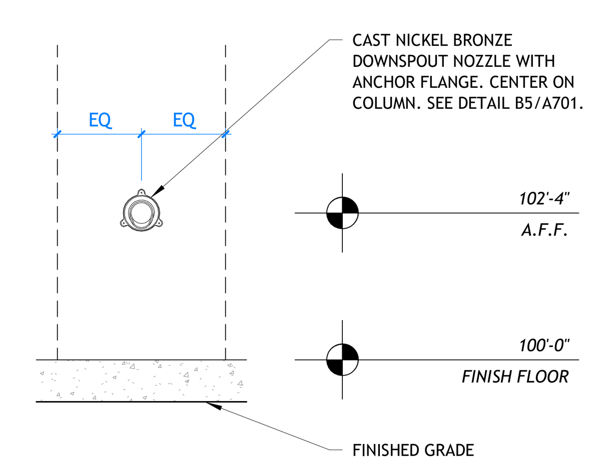


C4 CAP DETAIL
A530 | SCALE: 1/2" = 1'-0"

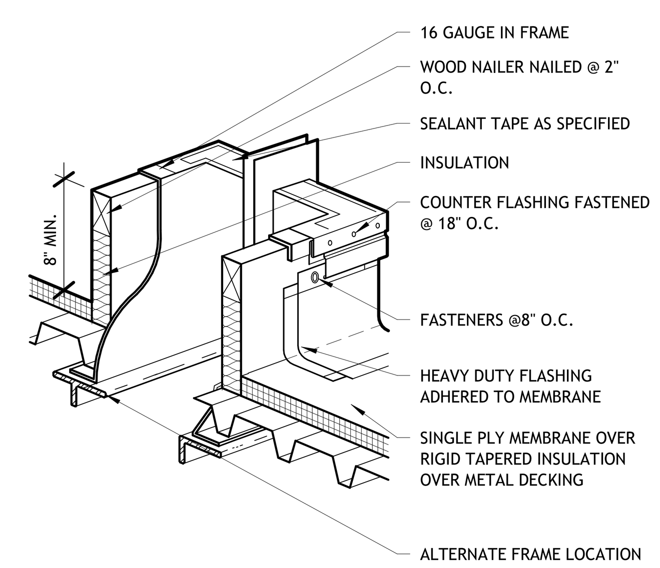
C5 LADDER DETAIL
A530 | SCALE: 1" = 1'-0"



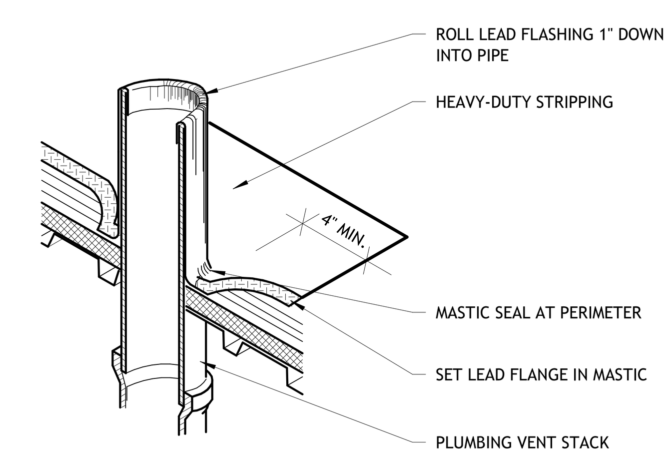
D2 VERTICAL WALL DETAL
A530 | SCALE: 3/4" = 1'-0"



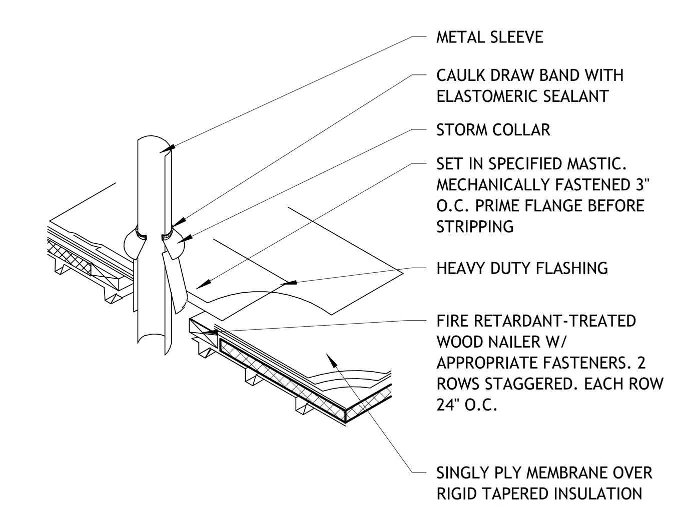
D4 SCUPPER ELEVATION DETAIL
A530 | SCALE: 1/2" = 1'-0"



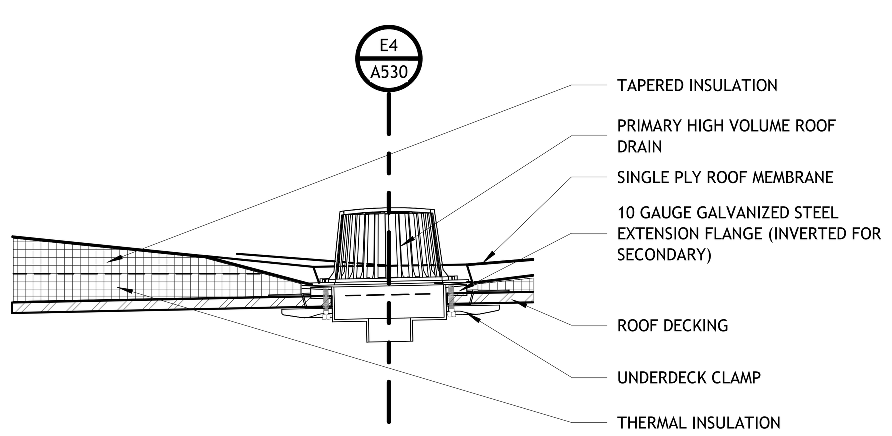
D5 HVAC CURB DETAIL
A530 | SCALE: 3/4" = 1'-0"



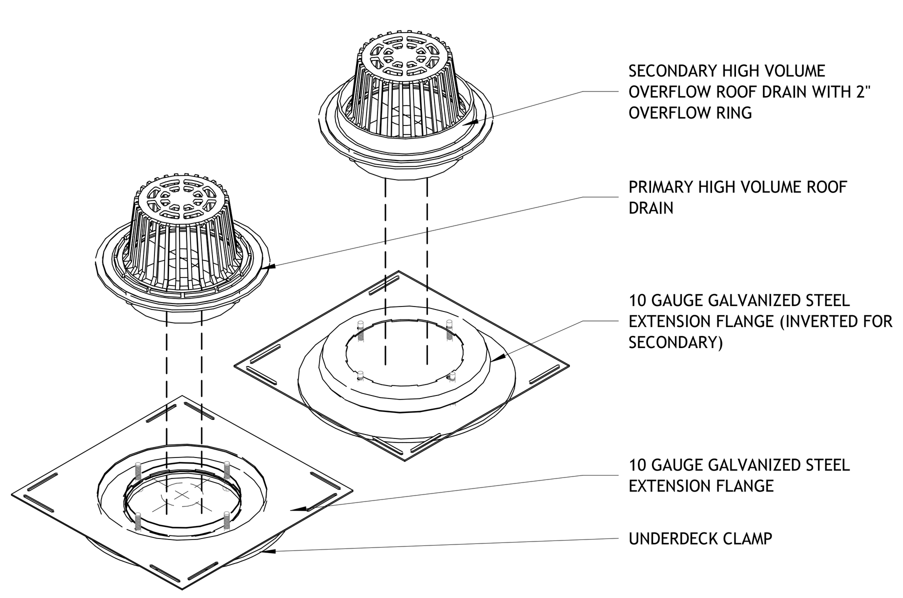
D6 PLUMBING VENT DETAIL
A530 | SCALE: 3/4" = 1'-0"



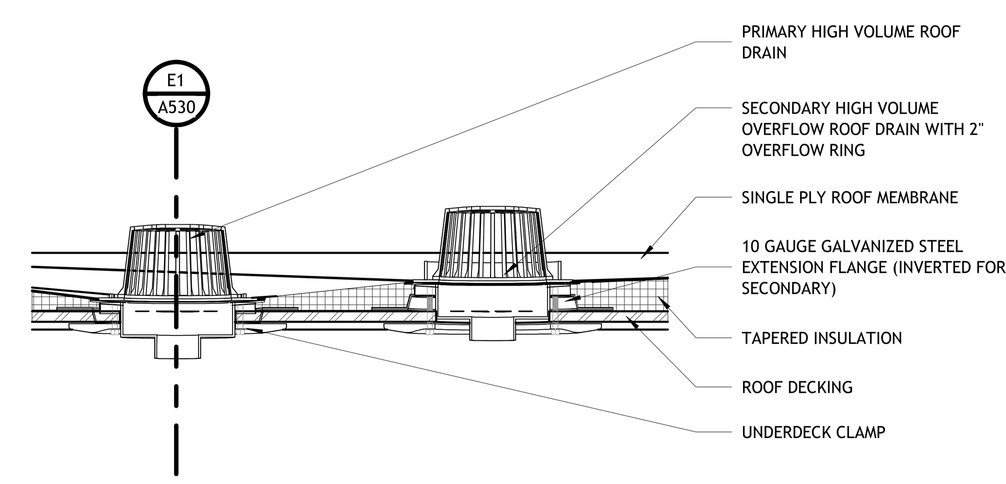
D7 HOT PLUMBING VENT DETAIL
A530 | SCALE: 3/4" = 1'-0"



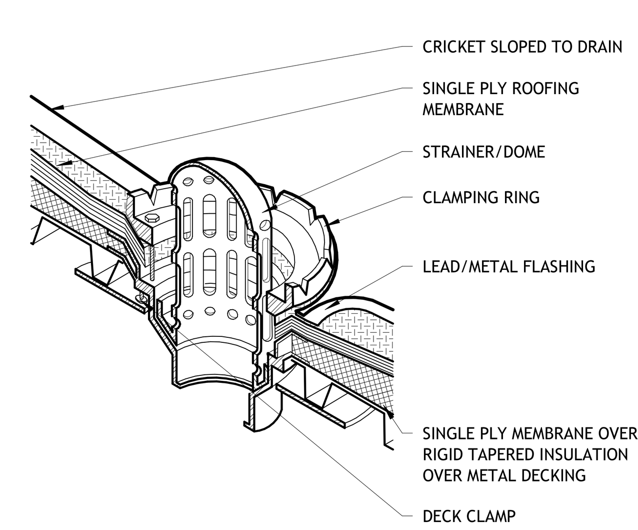
E1 PRIMARY DRAIN SECTION
A530 | SCALE: 1" = 1'-0"



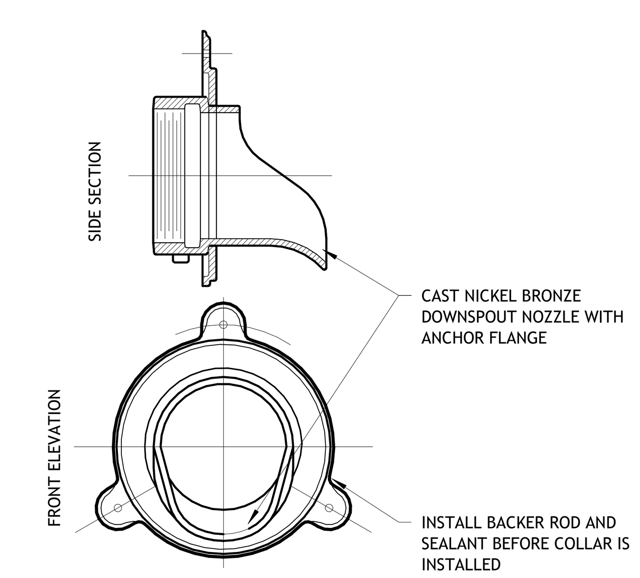
E2 ROOF DRAIN ISO
A530 | SCALE: 1" = 1'-0"



E4 ROOF DRAIN SECTION
A530 | SCALE: 1" = 1'-0"



E6 ROOF DRAIN DETAIL
A530 | SCALE: 3/4" = 1'-0"



E7 SCUPPER DETAIL
A530 | SCALE: 3" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

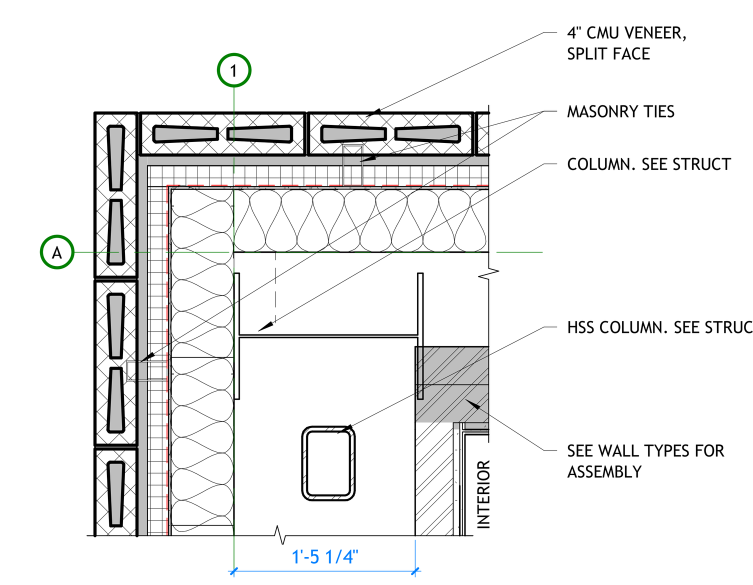
SHEET TITLE

ROOF DETAILS

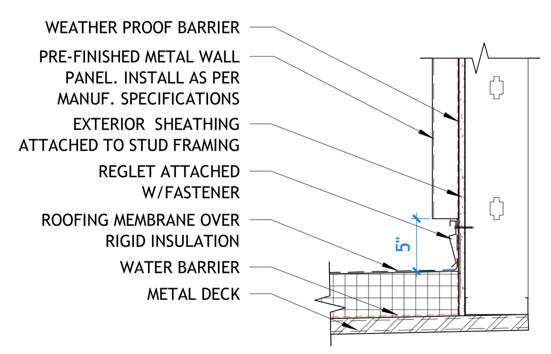
SHEET NUMBER

A530

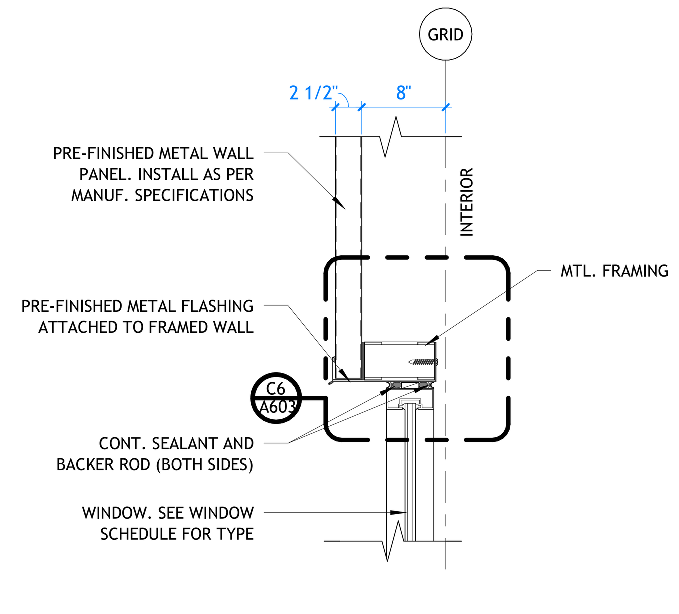
1 2 3 4 5 6 7



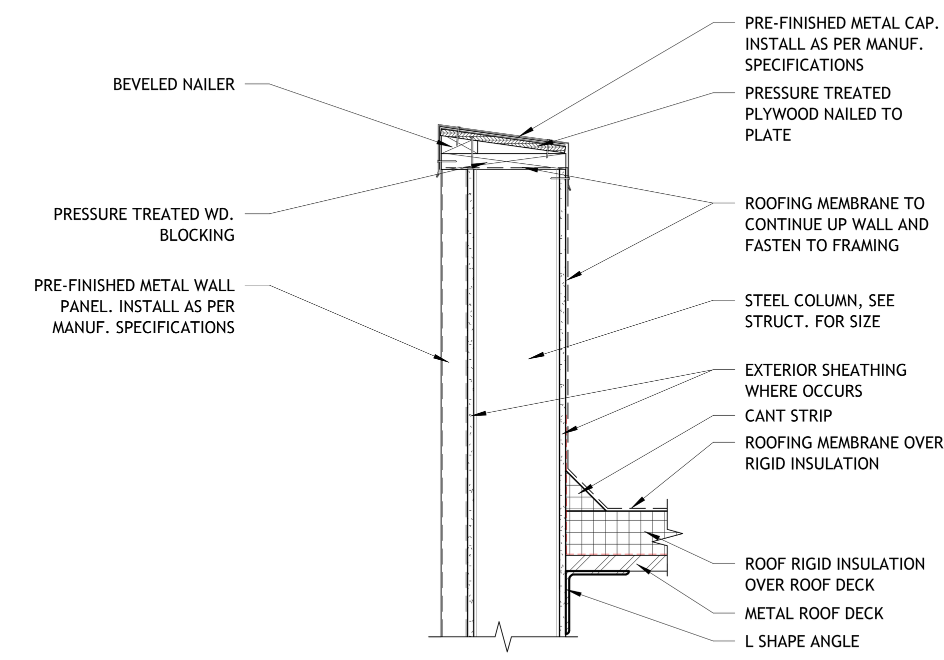
B6 COLUMN/STRUT CONNECTION DETAIL
A540 | SCALE: 1" = 1'-0"



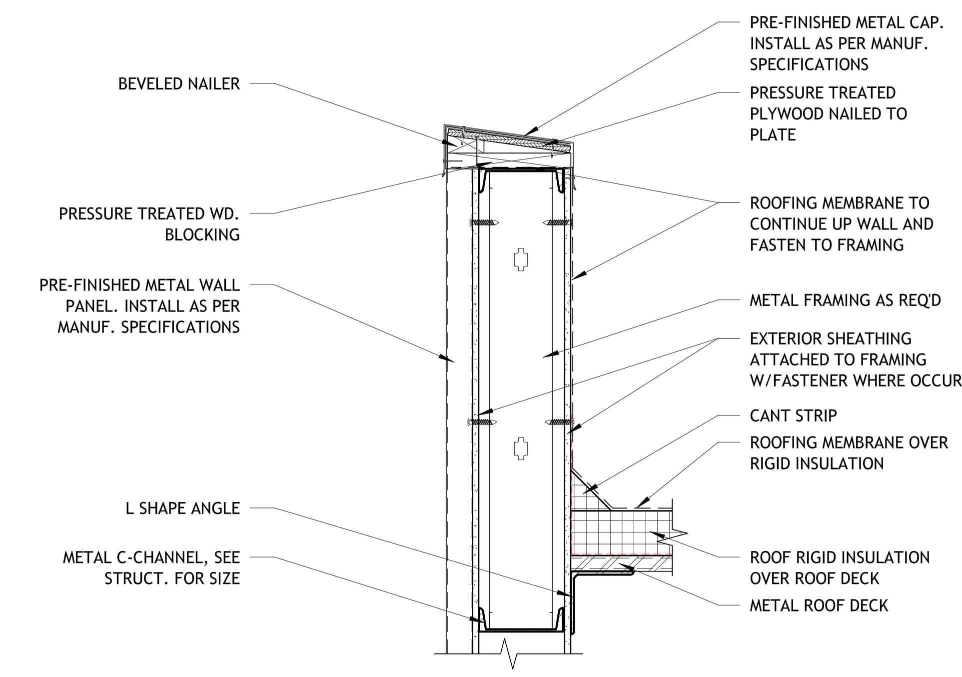
C2 ROOF/WALL TRANSITION DETAIL
A540 | SCALE: 1" = 1'-0"



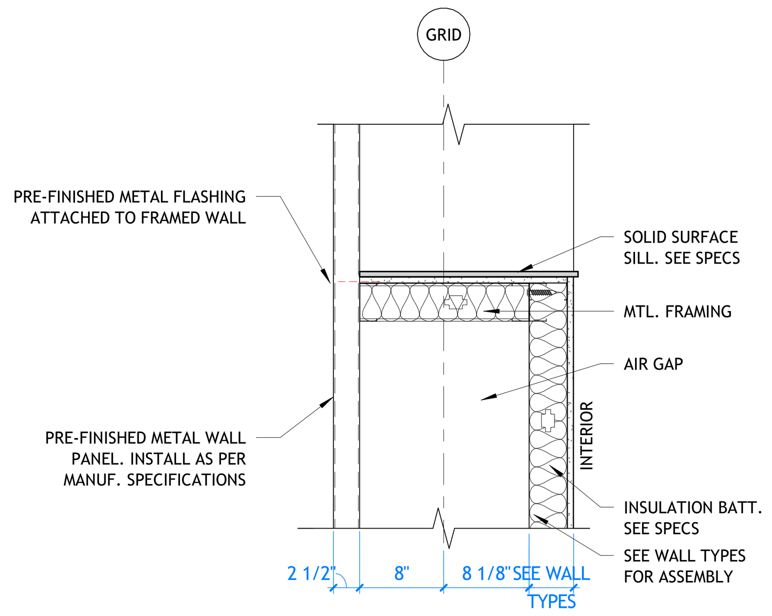
C3 WINDOW HEAD DETAIL
A540 | SCALE: 1" = 1'-0"



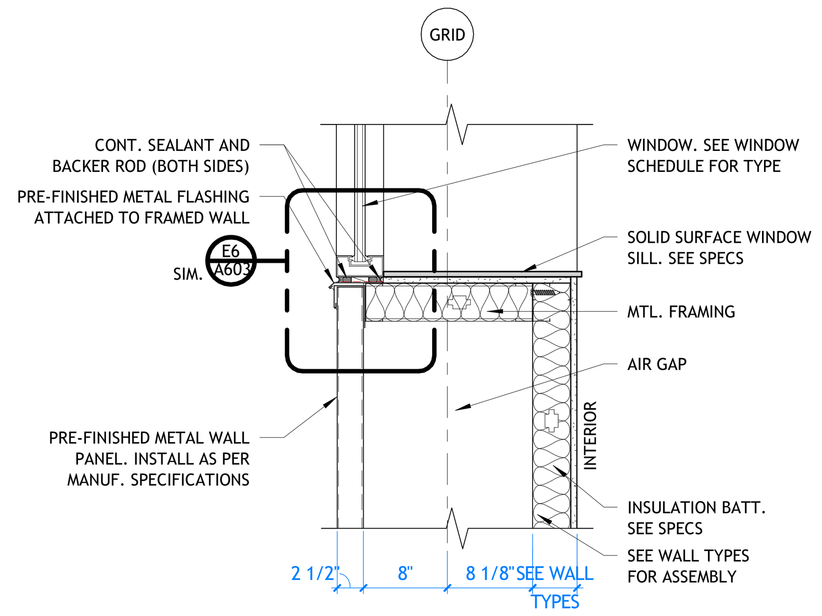
C5 PARAPET DETAIL W/I-BEAM
A540 | SCALE: 1" = 1'-0"



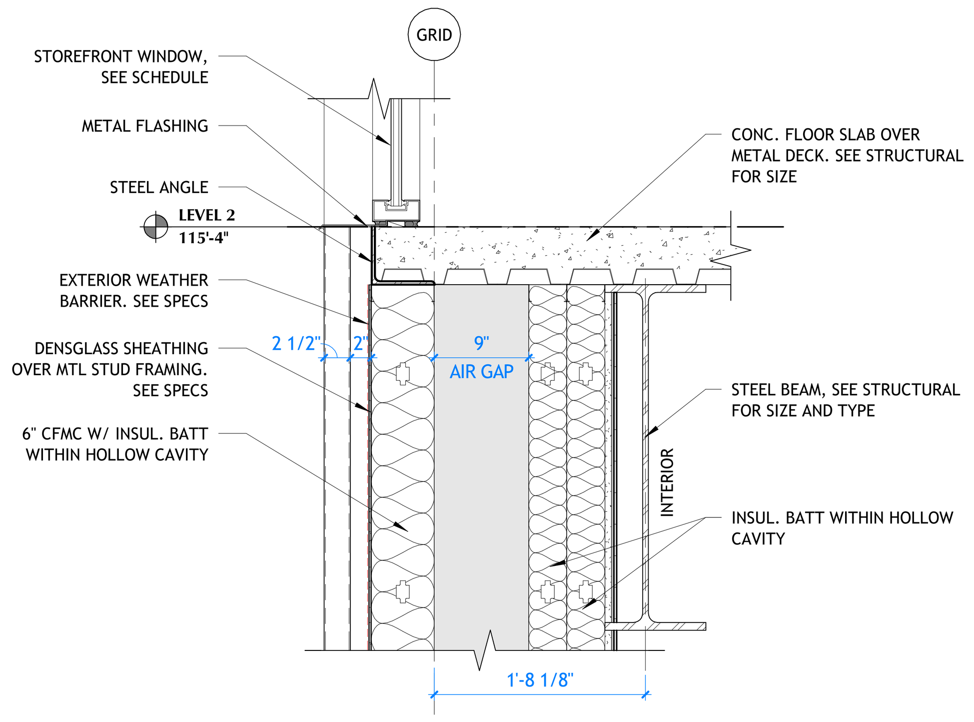
C6 PARAPET DETAIL W/C-CHANNEL
A540 | SCALE: 1" = 1'-0"



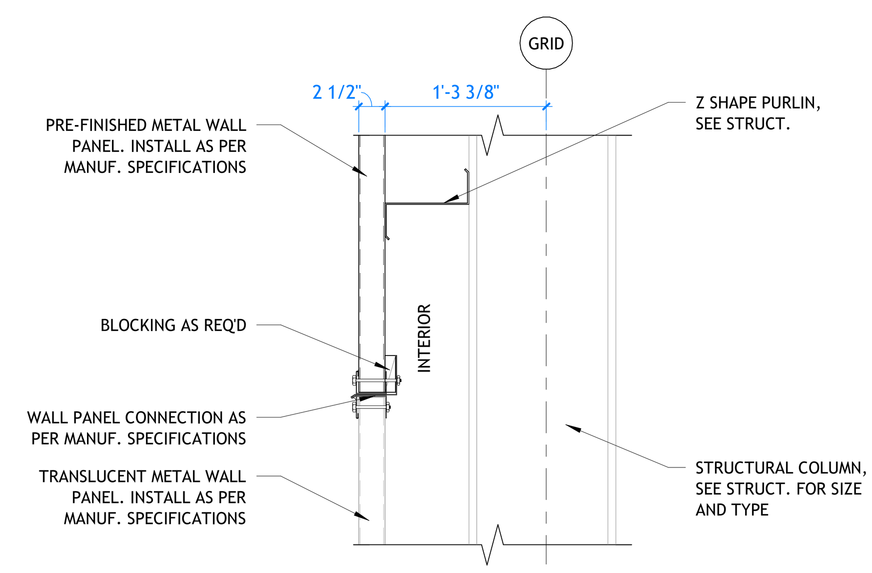
D1 SILL DETAIL @UPPER FLOOR (ALT.)
A540 | SCALE: 1" = 1'-0"



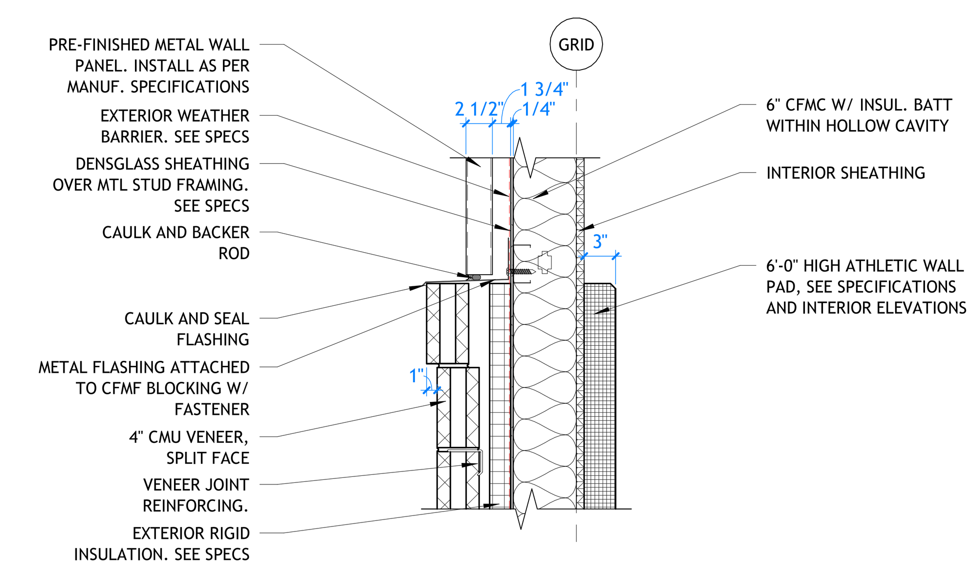
D2 WINDOW SILL DETAIL @UPPER FLOOR (ALT.)
A540 | SCALE: 1" = 1'-0"



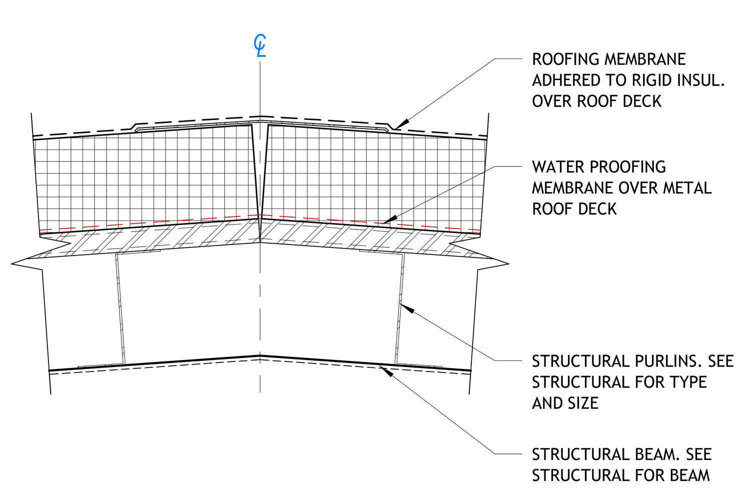
D3 FLOOR CONNECTION DETAIL
A540 | SCALE: 1" = 1'-0"



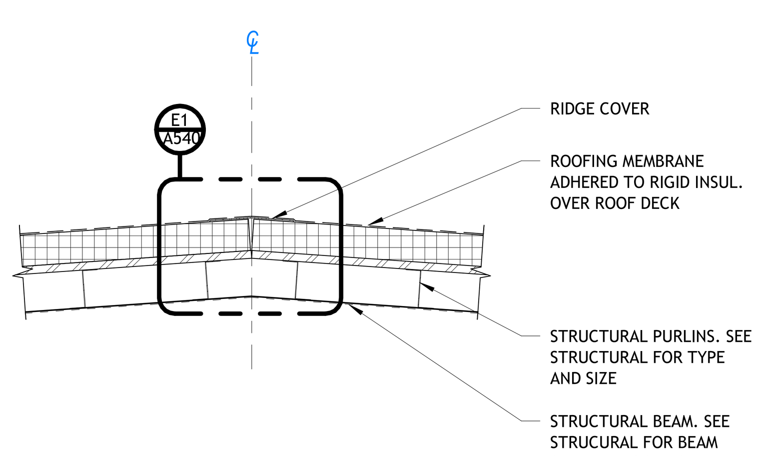
D5 HEAD DETAIL @TRANSLUCENT WALL PANEL (SILL SIM.)
A540 | SCALE: 1" = 1'-0"



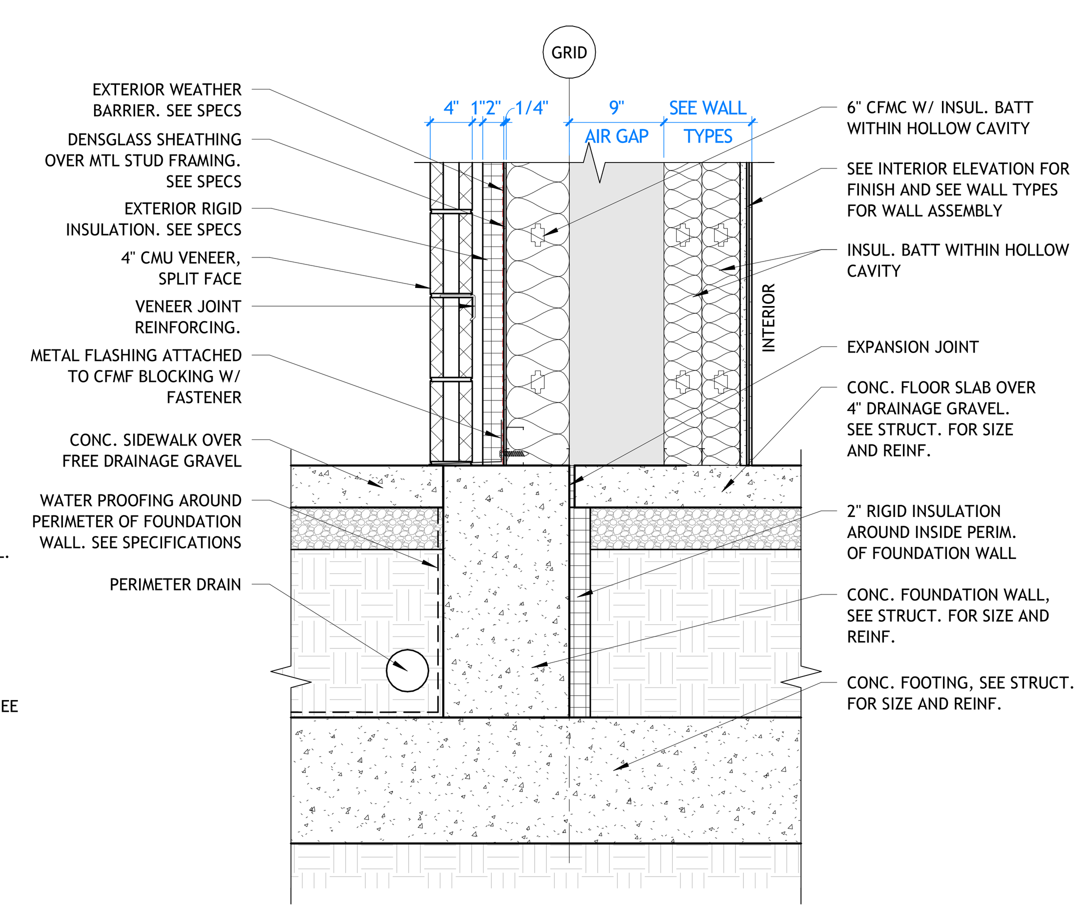
D6 CMU/METAL WALL TRANSITION
A540 | SCALE: 1" = 1'-0"



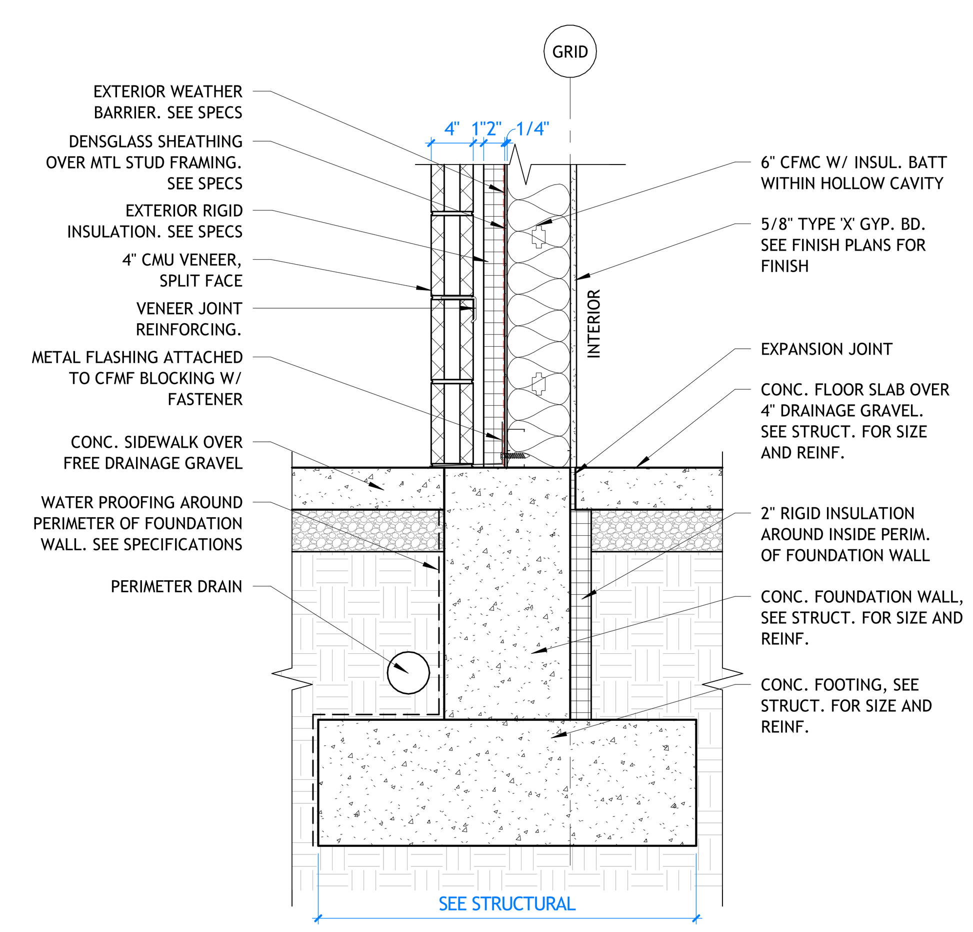
E1 ROOF RIDGE DETAIL
A540 | SCALE: 3" = 1'-0"



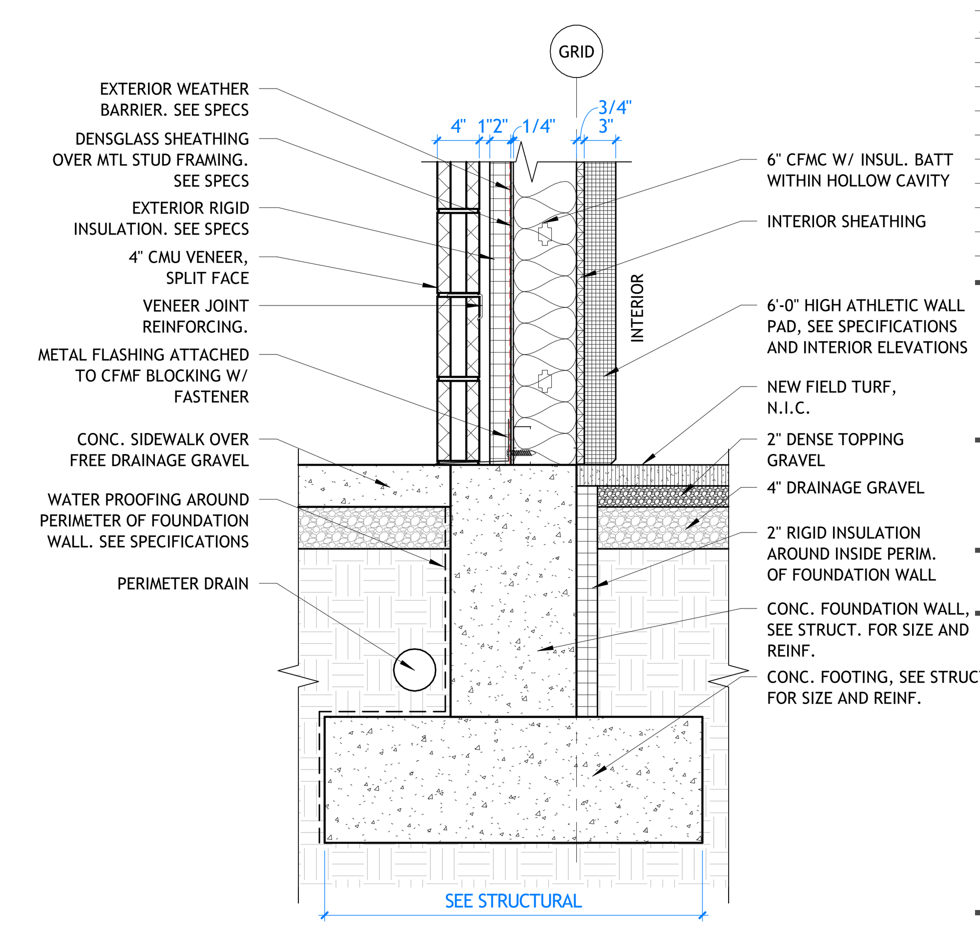
E2 ROOF RIDGE
A540 | SCALE: 1" = 1'-0"



E3 FOUNDATION WALL @PLUMBING WALL
A540 | SCALE: 1" = 1'-0"



E5 FOUNDATION DETAIL - TYP.
A540 | SCALE: 1" = 1'-0"



E6 FOUNDATION DETAIL @TURF AREA
A540 | SCALE: 1" = 1'-0"

A B C D E

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

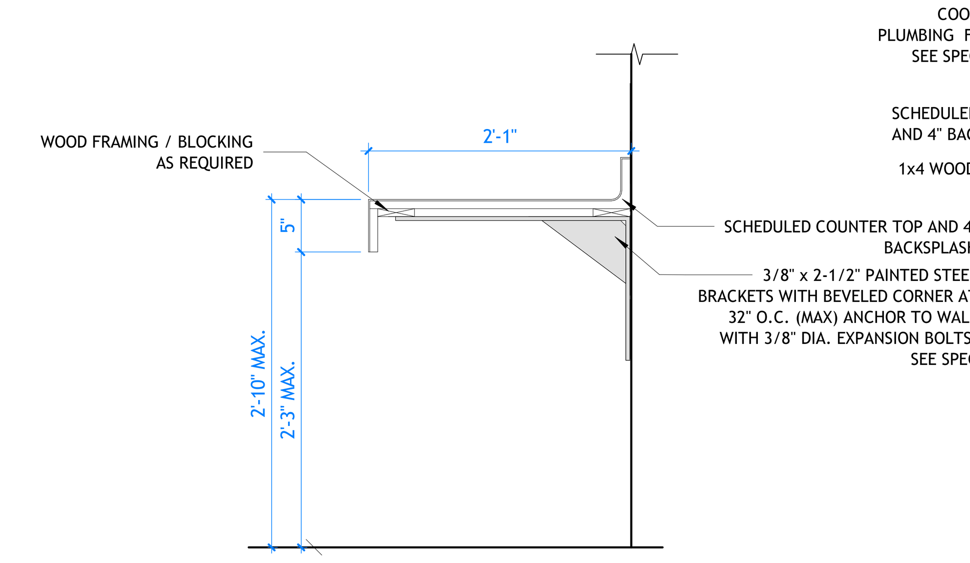
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

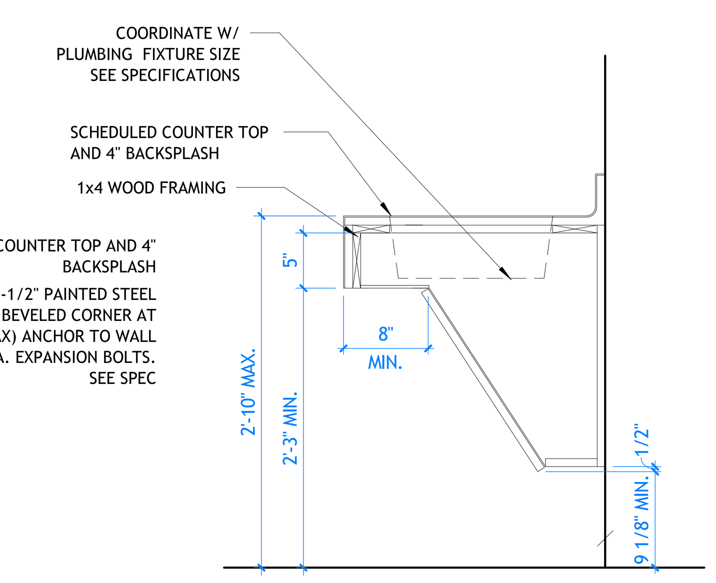
SECTION DETAILS

SHEET NUMBER

A540

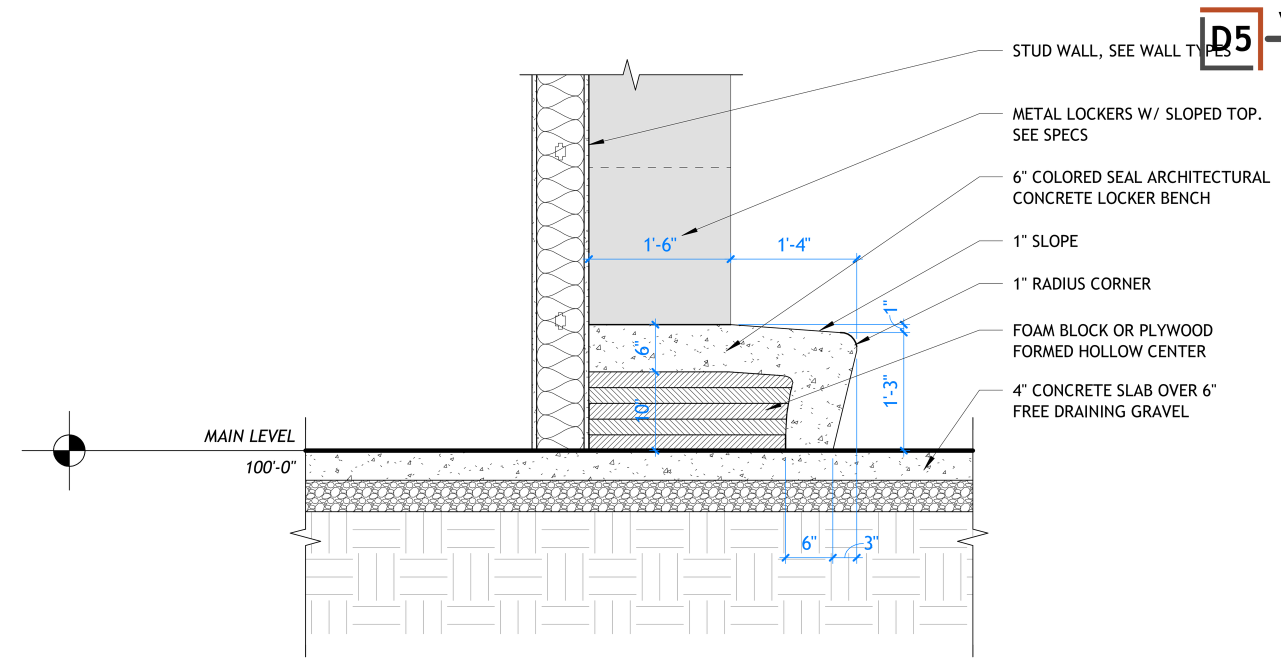


D5 VANITY DETAIL
A550 | SCALE: 1" = 1'-0"

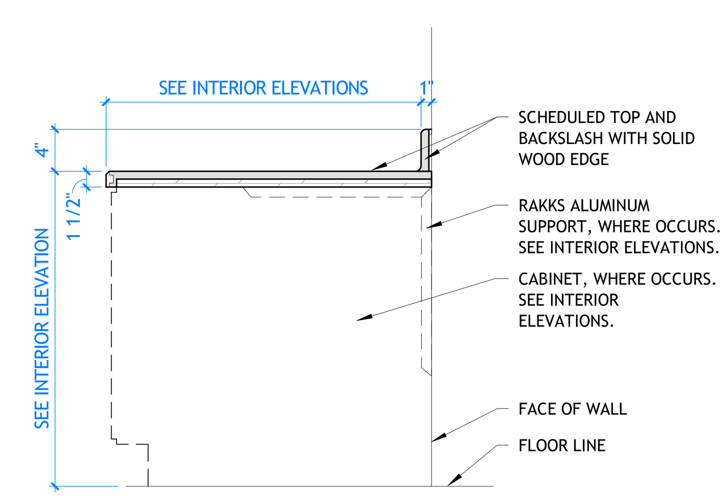


THE B2522 SINK CABINET MEETS THE AMERICANS WITH DISABILITIES ACT STANDARD FOR ACCESSIBLE DESIGN. TO CONFORM TO THESE FEDERAL REGULATIONS, NO MODIFICATIONS ARE ALLOWED.

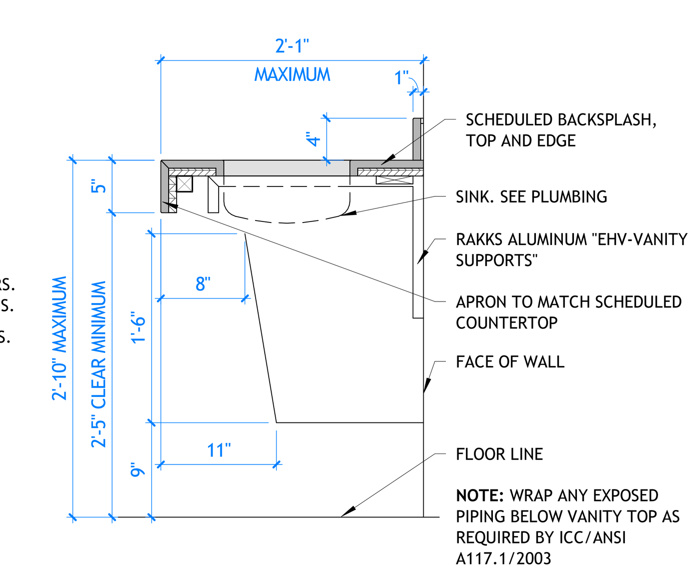
D6 ADA SINK CABINET DETAIL
A550 | SCALE: 1" = 1'-0"



E3 LOCKER BENCH BASE DETAIL
A550 | SCALE: 3/4" = 1'-0"



E5 TYPICAL COUNTER
A550 | SCALE: 1" = 1'-0"



NOTE: WRAP ANY EXPOSED PIPING BELOW VANITY TOP AS REQUIRED BY ICC/ANSI A117.1/2003

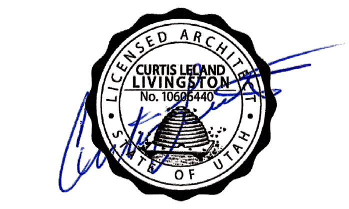
E6 RESTROOM COUNTER
A550 | SCALE: 1" = 1'-0"

GENERAL NOTES

A. BACKSPLASH SHALL BE PROVIDED ON BACK WALL AND SIDE WALL WHERE PLUMBING IS SHOWN AS PART OF THE CABINETRY. IF NO PLUMBING IS PRESENT A BACKSPLASH SHALL NOT BE REQUIRED. BACKSPLASH SHALL BE 3/4" THICK AND 4" MINIMUM IN HEIGHT, TO MATCH COUNTERTOP FINISHED MATERIAL. PROVIDE BULLNOSE TOP AND RADIUS BACKSPLASH BOTTOM.
B. COUNTERTOPS SHALL BE (2) LAYERS 3/4" PLYWOOD WITH PLASTIC LAMINATE FINISH AT COUNTERTOP, UNLESS OTHERWISE NOTED. FRONT EDGE SHALL HAVE HALF BULLNOSE FINISH.
C. IF THE TOP OF THE CABINET IS LESS THAN 18" AWAY FROM THE FINISHED CEILING ENCLOSURE, A PLASTIC LAMINATE PANEL SHALL BE REQUIRED.
D. SEE ENLARGED FLOOR PLANS ON **A401** FOR GROMMET AND HOLE PLACEMENT.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

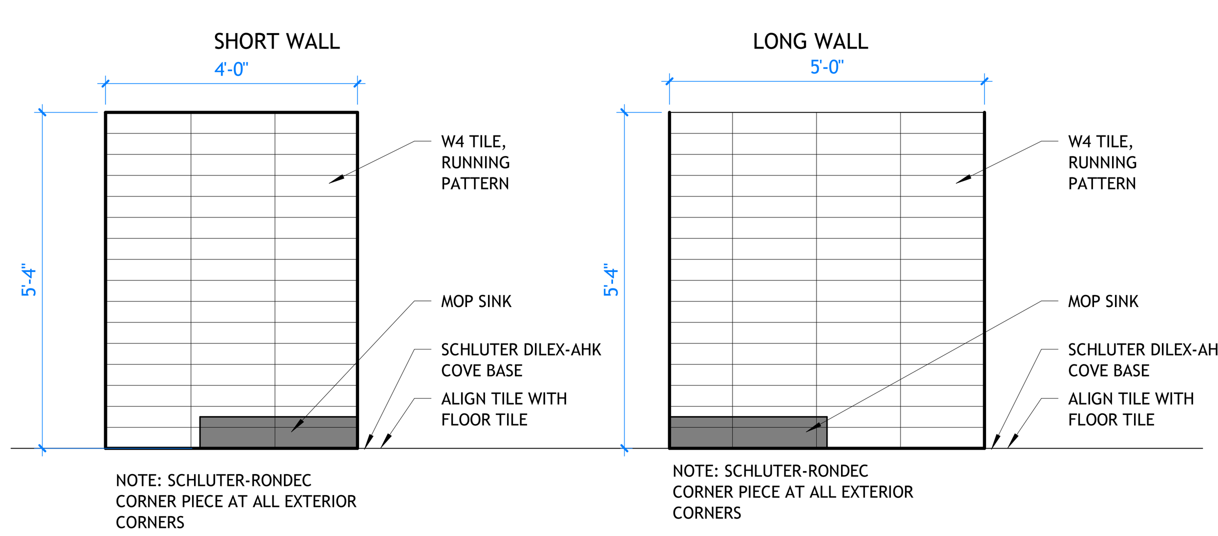
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

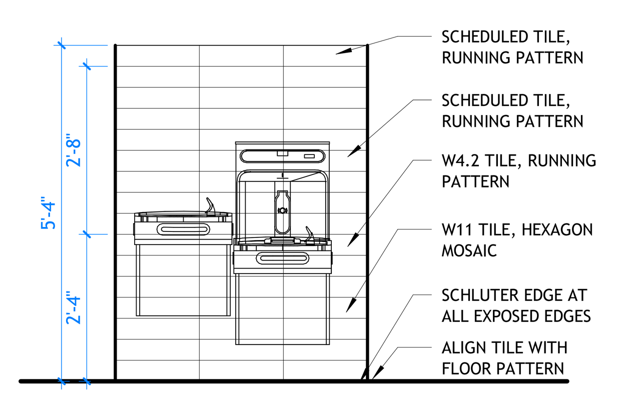
MILLWORK DETAILS

SHEET NUMBER

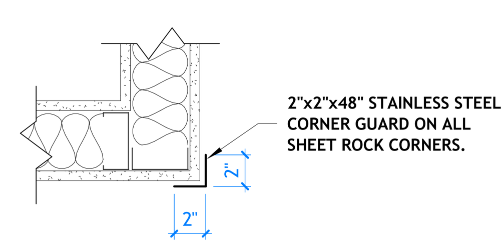
A550



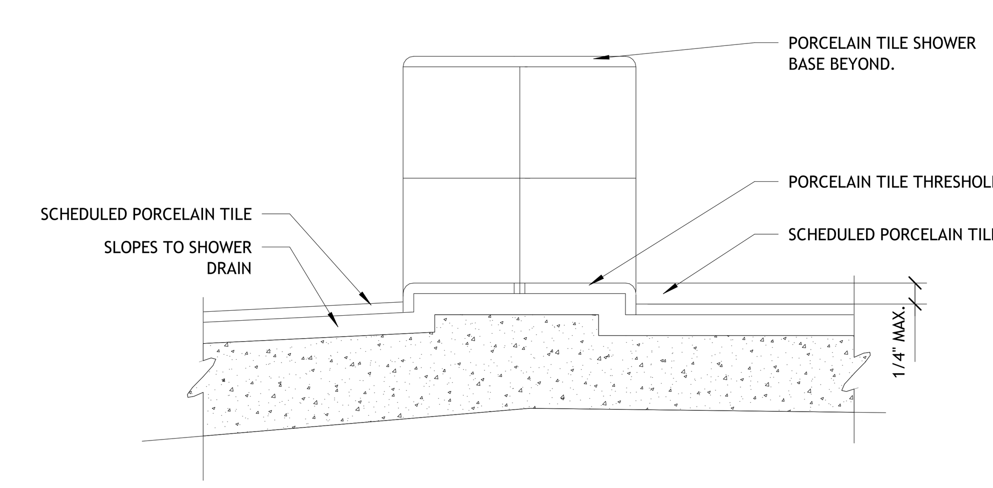
D1 **TYP. TILE PATTERN - MOP SINKS**
A560 | SCALE: 1/2" = 1'-0"



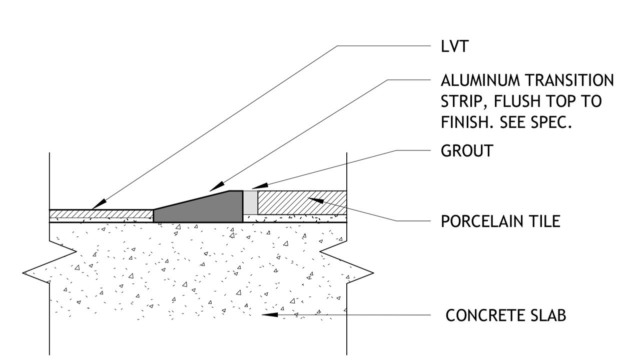
D3 **TYP. TILE PATTERN - DRINKING FOUNTAIN TILE**
A560 | SCALE: 1/2" = 1'-0"



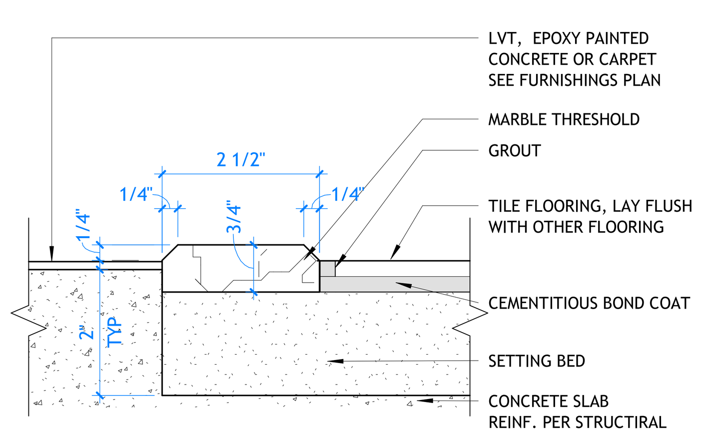
D4 **CORNER GUARD DETAIL**
A560 | SCALE: 1 1/2" = 1'-0"



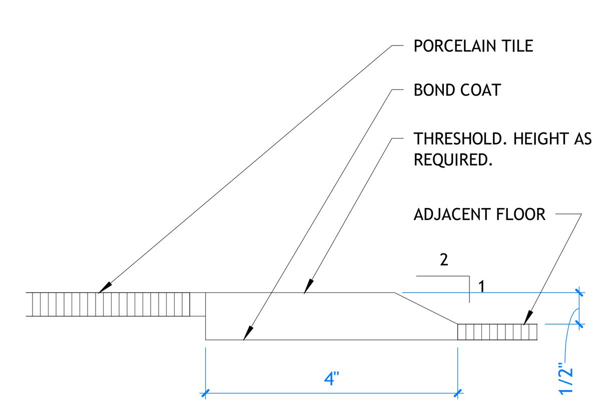
D5 **TRESHOLD @ SHOWER BASE**
A560 | SCALE: 3" = 1'-0"



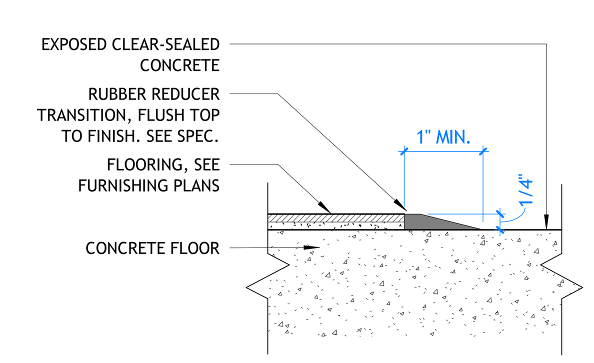
E2 **LVT / TILE TRANSITION**
A560 | SCALE: 6" = 1'-0"



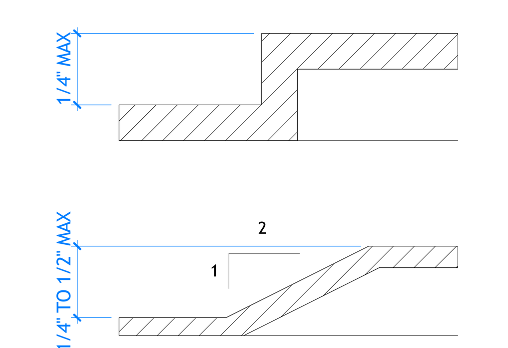
E3 **MARBLE TRESHOLD- TYP. @ RESTRMS**
A560 | SCALE: 6" = 1'-0"



E4 **FLOOR TRANSITIONS**
A560 | SCALE: 6" = 1'-0"



E5 **CONCRETE TRANSITION**
A560 | SCALE: 6" = 1'-0"



NOTE: CHANGES IN LEVEL GREATER THAN 1/2" MUST BE RAMPED WITH 1:12 MAXIMUM SLOPE. CHANGES IN LEVEL IN CLEAR FLOOR SPACE, MANEUVERING CLEARANCES, WHEELCHAIR TURNING SPACE AND ACCESS AISLES ARE PROHIBITED.

E6 **FLOOR TRANSITIONS**
A560 | SCALE: 1/4" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION
CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

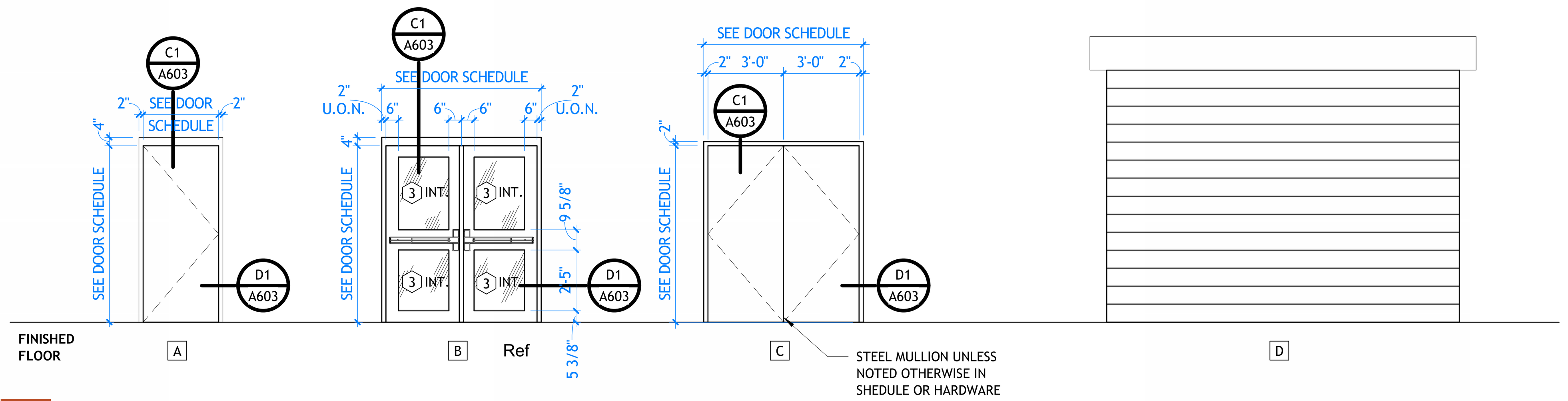
SHEET TITLE
FURNISHING DETAILS

SHEET NUMBER
A560

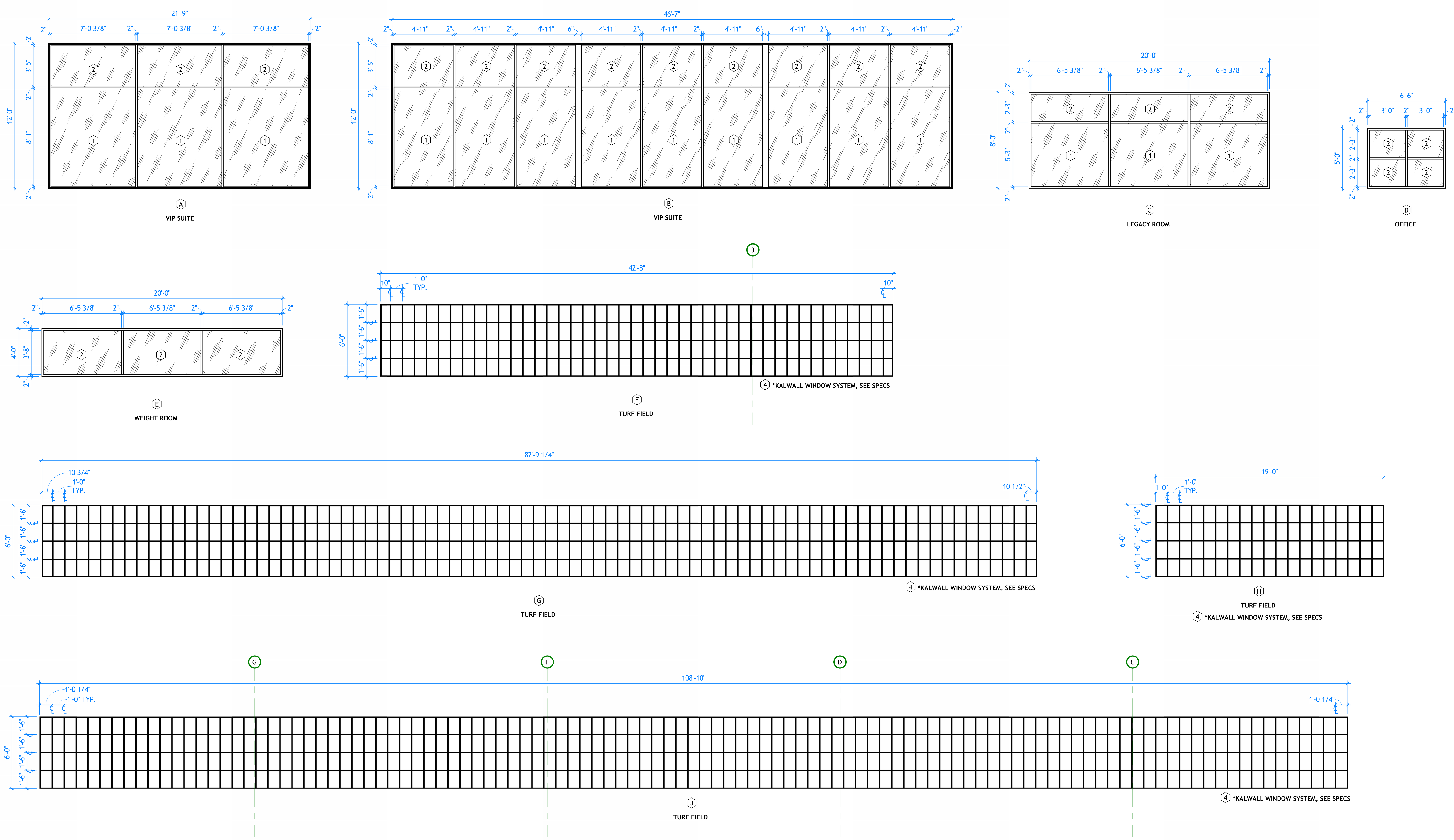
KEYNOTES

DOOR SCHEDULE - FH BASE BID

MARK	TYPE	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	MATERIAL DOOR	MATERIAL FRAME	HARDWARE	RATING	COMMENTS
FH. LEVEL 1								
100A	B	6'-0"	7'-0"	HM	HM	01		
100B	D	14'-0"	10'-0"	STL	STL	R1		
100C	B	6'-0"	7'-0"	HM	HM	01		
100D	B	6'-0"	7'-0"	HM	HM	01		
100E	D	14'-0"	10'-0"	STL	STL	R1		
100F	B	6'-0"	7'-0"	HM	HM	01		
100G	A	3'-0"	7'-0"	HM	HM	02		
100H	A	3'-0"	7'-0"	HM	HM	04		
100J	B	6'-0"	7'-0"	HM	HM	06		
100K	A	3'-0"	7'-0"	HM	HM	14		
101B	C	6'-0"	7'-0"	HM	HM	06		
101F	B	6'-0"	7'-0"	AL	AL	A1		
102	A	3'-0"	7'-0"	HM	HM	16		
103	A	3'-0"	7'-0"	HM	HM	16		
104	A	3'-0"	7'-0"	HM	HM	15		
106	A	3'-0"	7'-0"	HM	HM	17		
107	A	3'-0"	7'-0"	HM	HM	12		
108	A	3'-0"	7'-0"	HM	HM	17		
109A	A	3'-0"	7'-0"	HM	HM	14		
109B	A	3'-0"	7'-0"	HM	HM	16		
110	A	3'-0"	7'-0"	HM	HM	05		
112A	D	14'-0"	10'-0"	STL	STL	R1		
112B	A	3'-0"	7'-0"	HM	HM	02		
112C	B	6'-0"	7'-0"	HM	HM	06		
113	A	3'-0"	7'-0"	HM	HM	10		
114	A	3'-0"	7'-0"	HM	HM	03		



B1 DOOR TYPES
A601 | SCALE: 1/4" = 1'-0"



E1 WINDOW TYPES
A601 | SCALE: 1/4" = 1'-0"

GLAZING SCHEDULE

1 1" INSULATED TEMPERED LOW-E GLASS

2 1" INSULATED ANNEALED CLEAR LOW-E GLASS

3 1/4" TEMPERED CLEAR GLASS

3 KALWALL WINDOW SYSTEM - SEE SPECS

NOTE:
- EXTERIOR DOORS & WINDOWS TO BE GLAZING TYPES 1 & 2
- INTERIOR DOORS & WINDOWS TO BE GLAZING TYPE 3
-TEMPERED GLASS WITHIN 4'-0" OF ANY DOOR/OPENING

GENERAL NOTES

A. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
B. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
C. ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
D. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
E. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
F. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
G. ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
H. CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
I. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
J. ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
K. SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10696440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

DOOR AND WINDOWS

SHEET NUMBER

A601

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

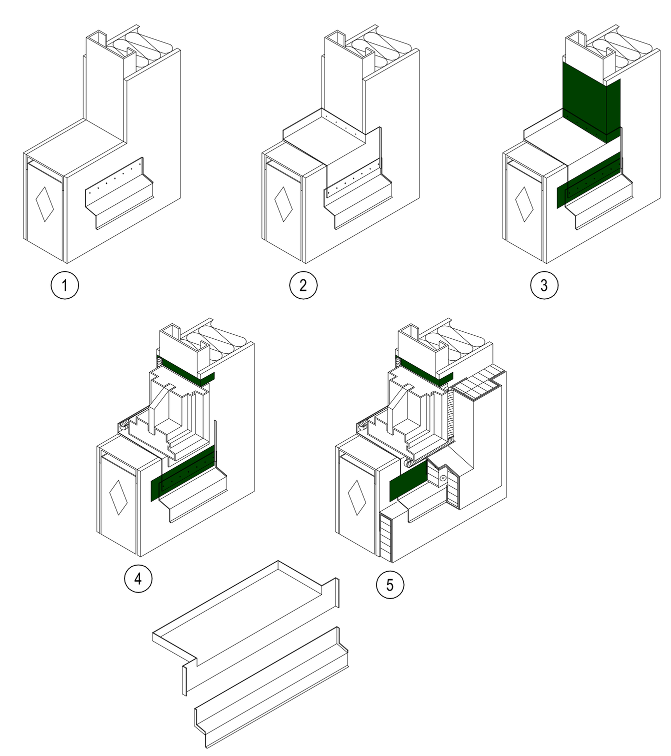
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

DOOR & WINDOW DETAILS

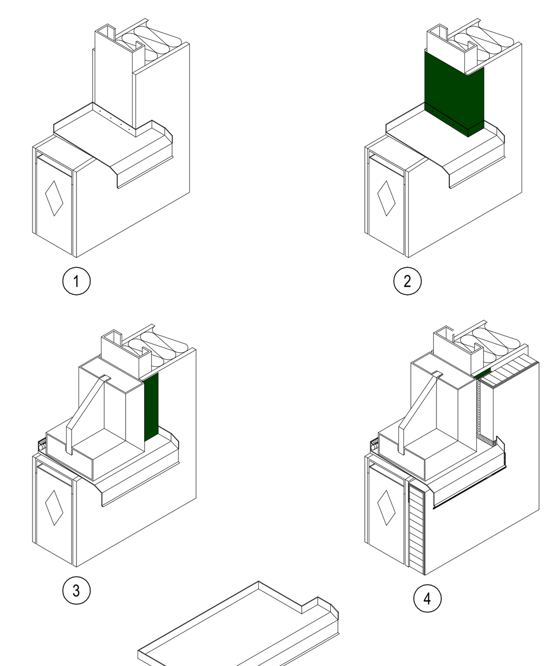
SHEET NUMBER

A603



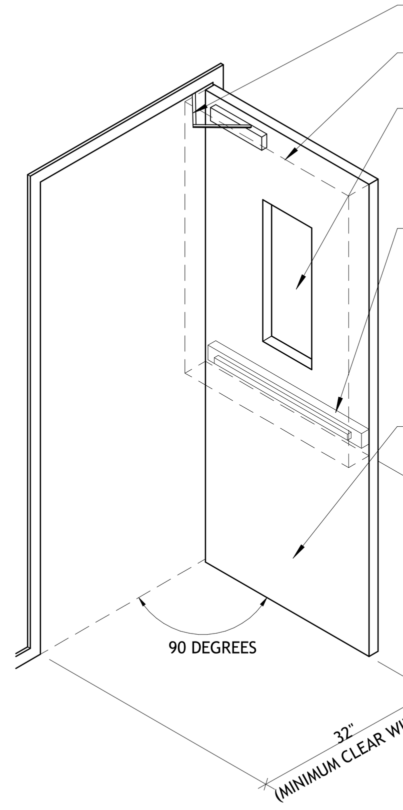
STEP 1: INSTALL CONTINUOUS FLASHING AND SECURE TO FRAMING.
STEP 2: INSTALL PAN FLASHING AND LAP OVER CONTINUOUS FLASHING TO SHED MOISTURE. SHIM UNDERSIDE OF FLASHING TO ENSURE WATER RUN OFF.
STEP 3: APPLY FLASHING TAPE OVER METAL FLASHING TRANSITION AND AT JAMBS LAPPING OVER UPTURNED LEGS OF PAN FLASHING.
STEP 4: INSTALL WINDOW UNIT.
STEP 5: INSTALL EIFS AND APPLY BACKER ROD AND SEALANT ALONG JAMBS AND AT SYSTEM TERMINATION, ALSO ALONG EDGES OF FLASHING.

NOTE:
1. FLASHING SHOULD OVER LPA EIFS MINIMUM 2 1/2" MEASURED FORM THE TO OF THE EPS.
2. PAN FLASHING MUST HAVE WATERTIGHT SEAMS.
3. MECHANICAL FASTENERS SHOULD BE USED TO ATTACHED SILL TRIM PIECE.
4. EIFS AT SILL SHALL BE SLOPED FOR DRAINAGE.

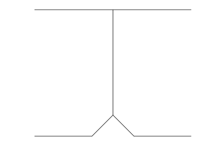


STEP 1: INSTALL PAN FLASHING AND SECURE TO FRAMING AND BLOCKING. SHIM UNDERSIDE OF FLASHING TO ENSURE WATER RUN OFF.
STEP 2: APPLY DRYVIT FLASHING TAPE ALONG JAMBS AND LAP OVER UPTURNED LEGS OF PAN FLASHING.
STEP 3: INSTALL WINDOW UNIT
STEP 4: APPLY BACKER ROOD AND SEALANT ALONG JAMBS AND AT SYSTEM TERMINATION, ALSO ALONG EDGES OF FLASHING

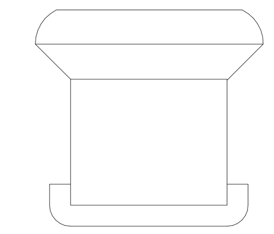
NOTE:
1. FLASHING SHOULD OVERLAP EIFS MINIMUM 2 1/2" MEASURED FROM THE TOP OF THE EPS.
2. PAN FLASHING MUST HAVE WATERTIGHT SEAMS.



NOTE: HARDWARE TO BE OPERATED WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THRESHOLDS ARE LIMITED TO 1/2" MAXIMUM HEIGHT. INTERIOR DOORS, OTHER THAN FIRE DOORS, SHOULD BE ABLE TO BE OPERATED WITH 5 POUNDS OF FORCE. EXTERIOR DOOR AND FIRE DOORS ARE REGULATED BY THE AUTHORITY HAVING JURISDICTION. REFER TO ANSI STANDARD A117.1 FOR APPROACH REQUIREMENTS.

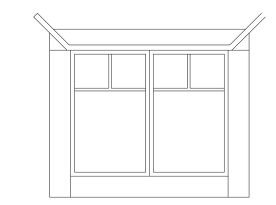


CUT A MODIFIED "I" IN WEATHER BARRIER. FOLD SIDE AND BOTTOM FLAPS INTO OPENING AND SECURE. CUT HEAD FLAP AND FLIP UP TO EXPOSE SHEATHING



USE TYVEK FLEXWRAP TO PROVIDE SEAMLESS PROTECTION AT SILL. CAULK ROUGH OPENING OF JAMBS AND HEADS. POSITION SUCH THAT WINDOW FLANGE WILL CONTACT. (DO NOT CAULK ACROSS BOTTOM OF ROUGH OPENING).

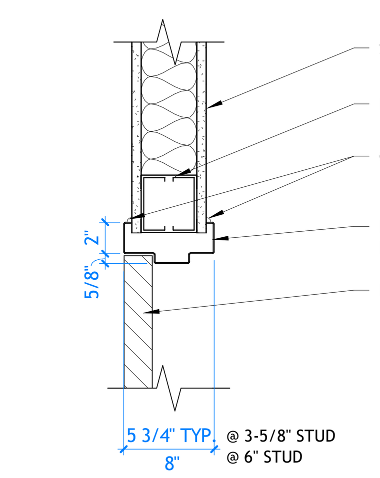
AFTER INSTALLING WINDOW PER MANUFACTURER'S INSTRUCTIONS, PROTECT JAMBS AND HAS WITH TYVEK STRAIGHTFLASH OR TYVEK FLEXWRAP.



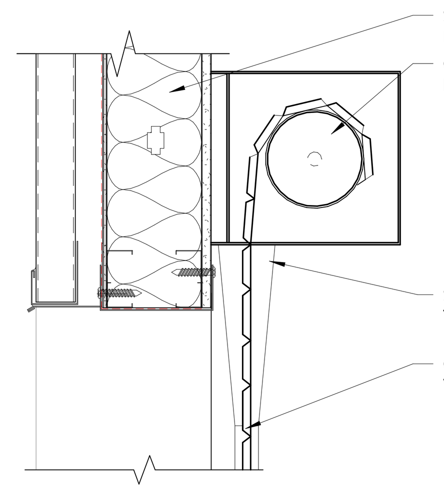
FLIP HEAD WRAP DOWN AND SECURE WITH TAPE CAULK REAR WINDOW SEAL.

ADDITIONAL INSTRUCTIONS

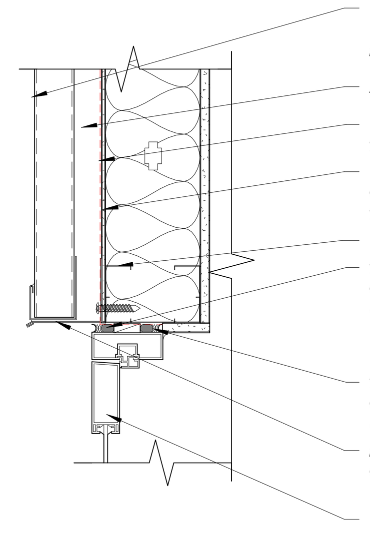
A. WIPE SURFACE TO REMOVE MOISTURE, DIRT, GREASE, AND OTHER DEBRIS THAT COULD INTERFERE WITH ADHESION.
B. APPLY PRESSURE ALONG ENTIRE SURFACE TO ACHIEVE A GOOD BOND.
C. REMOVE ALL WRINKLES AND BUBBLES BY SMOOTHING SURFACE AND REPOSITION AS NECESSARY.
D. FOR ADDITIONAL GUIDELINES, RECOMMENDED CAULKS AND PRIMERS CALL 1-800-44 TYVEK.



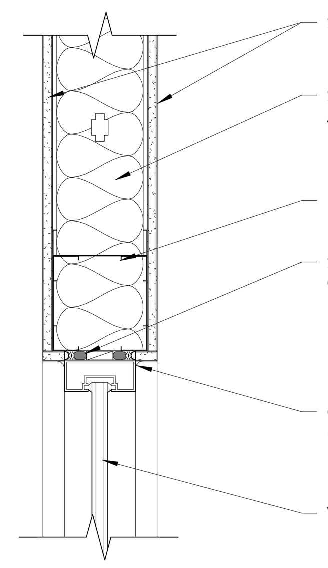
C1 H/M DOOR HEAD DETAIL
A603 | SCALE: 1 1/2" = 1'-0"



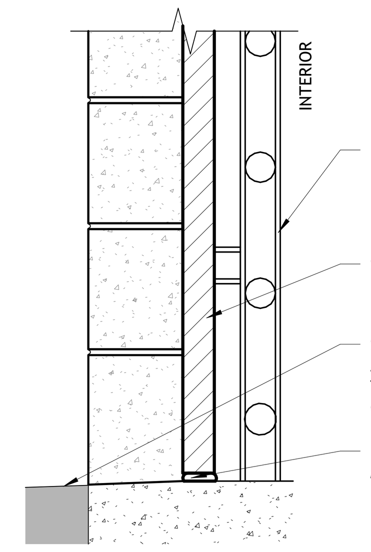
C2 H/M DOOR HEAD DETAIL
A603 | SCALE: 1 1/2" = 1'-0"



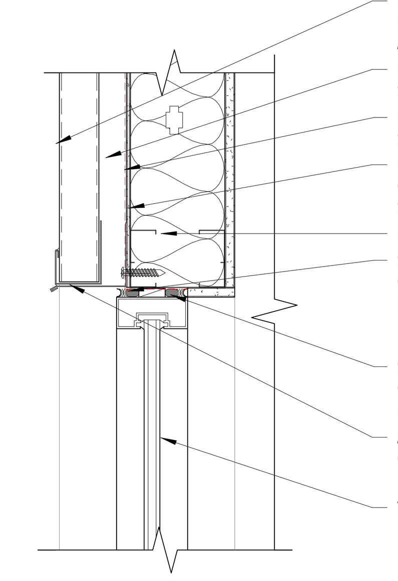
C3 STOREFRONT DOOR HEAD @METAL PANEL WALL
A603 | SCALE: 1 1/2" = 1'-0"



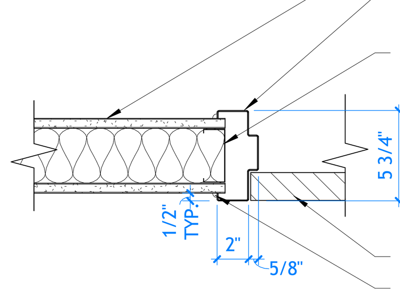
C4 ALUMINUM WINDOW HEAD DETAIL (INTERIOR)
A603 | SCALE: 1 1/2" = 1'-0"



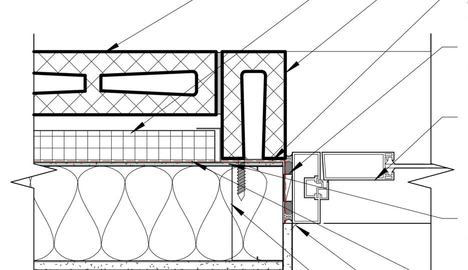
C5 SECTIONAL DOOR TRACK DETAIL
A603 | SCALE: 1 1/2" = 1'-0"



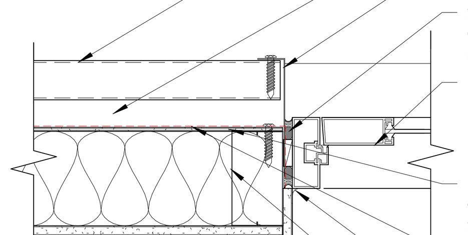
C6 ALUMINUM WINDOW HEAD @METAL PANEL WALL
A603 | SCALE: 1 1/2" = 1'-0"



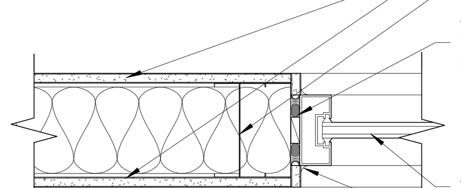
D1 H/M DOOR JAMB DETAIL
A603 | SCALE: 1 1/2" = 1'-0"



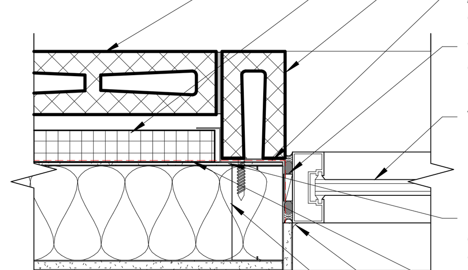
D2 STOREFRONT DOOR JAMB @MASONRY WALL
A603 | SCALE: 1 1/2" = 1'-0"



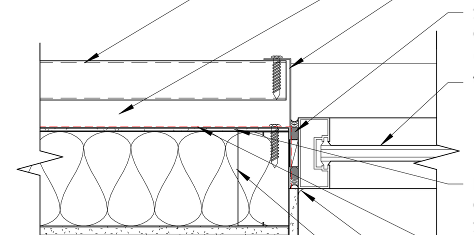
D3 STOREFRONT DOOR JAMB @METAL PANEL WALL
A603 | SCALE: 1 1/2" = 1'-0"



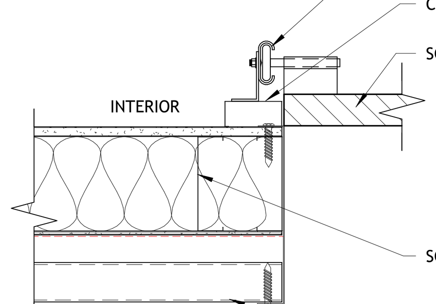
D4 ALUMINUM WINDOW HEAD DETAIL (INTERIOR)
A603 | SCALE: 1 1/2" = 1'-0"



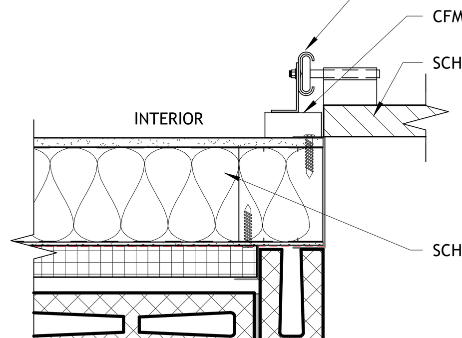
D5 ALUMINUM WINDOW JAMB @MASONRY WALL
A603 | SCALE: 1 1/2" = 1'-0"



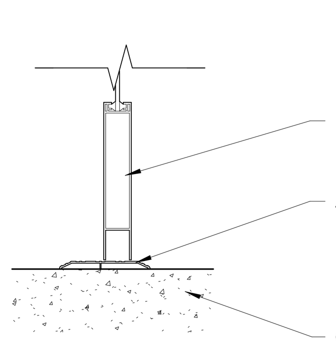
D6 ALUMINUM WINDOW JAMB @METAL PANEL WALL
A603 | SCALE: 1 1/2" = 1'-0"



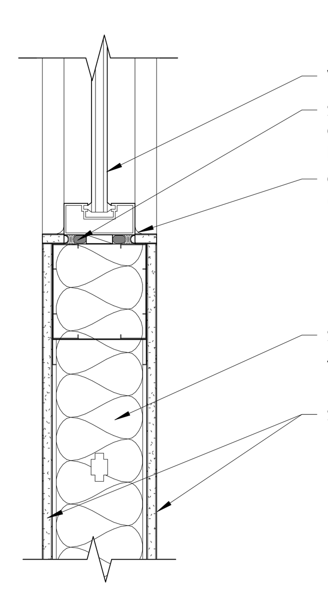
E1 SECTIONAL DOOR JAMB @METAL PANEL WALL
A603 | SCALE: 1 1/2" = 1'-0"



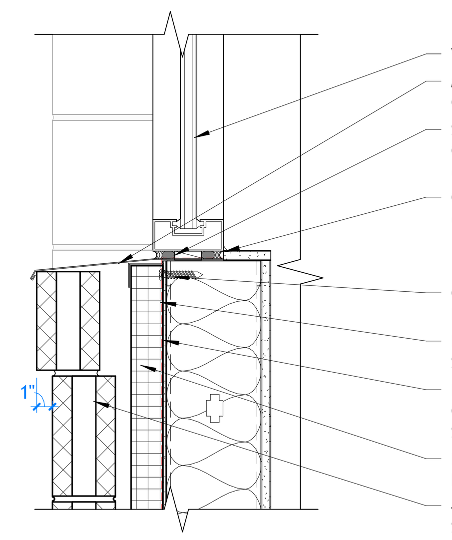
E2 SECTIONAL DOOR JAMB @MASONRY WALL
A603 | SCALE: 1 1/2" = 1'-0"



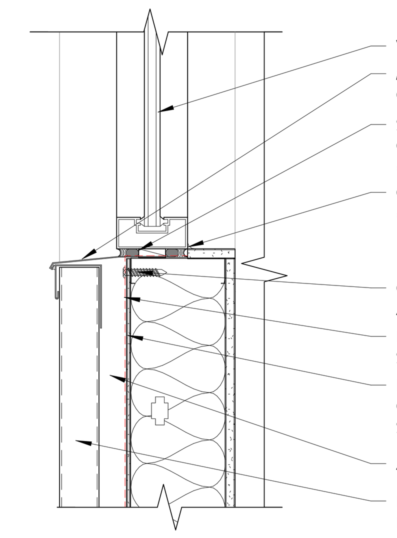
E3 STOREFRONT THRESHOLD DETAIL
A603 | SCALE: 1 1/2" = 1'-0"



E4 ALUMINUM WINDOW HEAD DETAIL (INTERIOR)
A603 | SCALE: 1 1/2" = 1'-0"



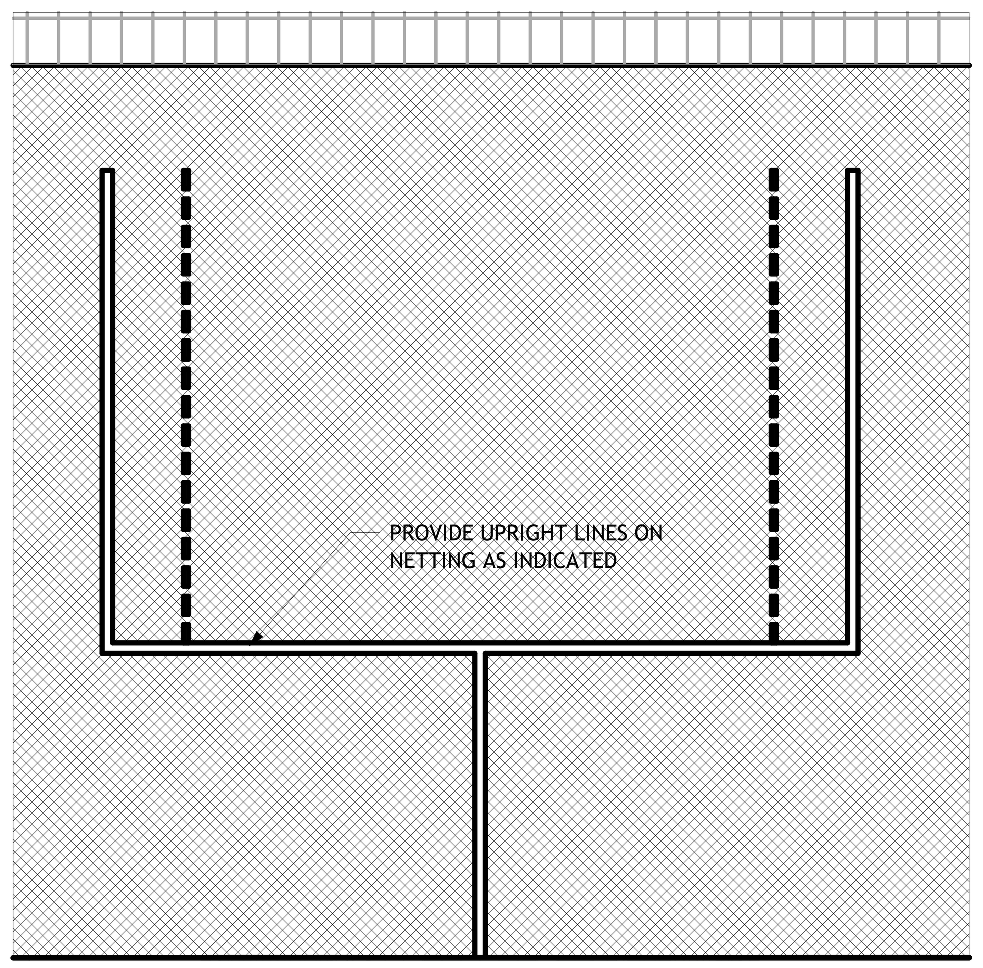
E5 ALUMINUM WINDOW SILL @MASONRY WALL
A603 | SCALE: 1 1/2" = 1'-0"



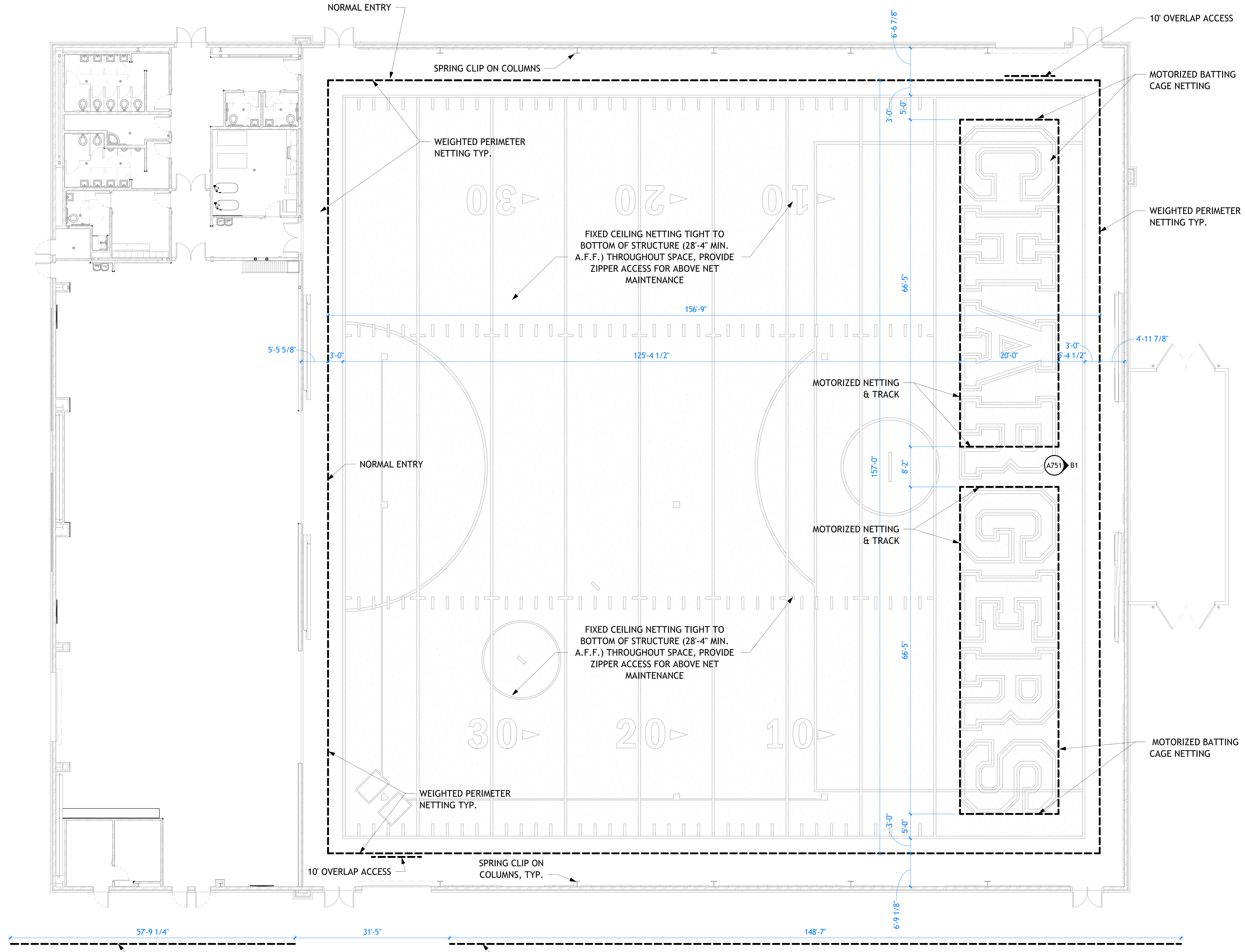
E6 ALUMINUM WINDOW SILL @METAL PANEL WALL
A603 | SCALE: 1 1/2" = 1'-0"

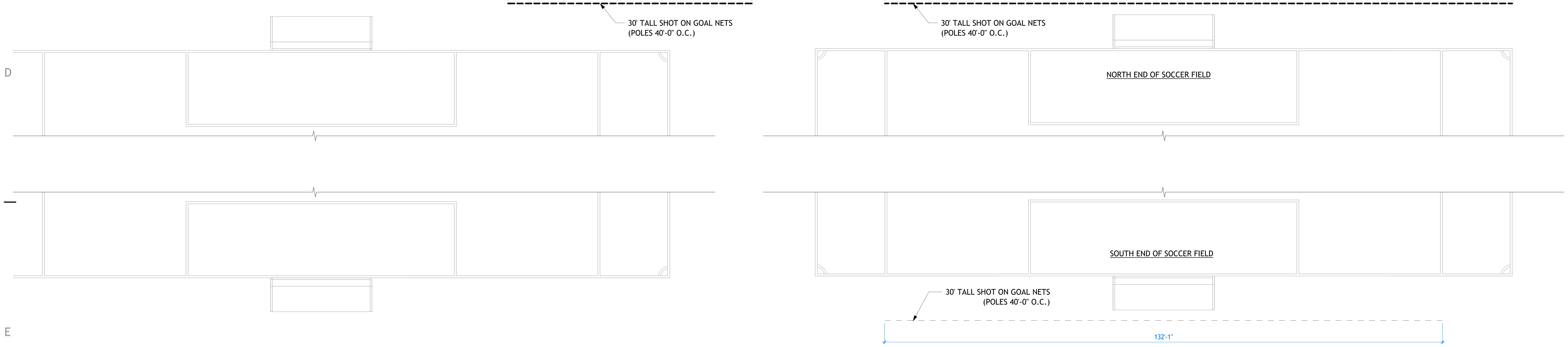
GENERAL NOTES

A. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
B. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
C. ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
D. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
E. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
F. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
G. ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
H. CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
I. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
J. ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
K. SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.



B1 NETTING UPRIGHT
A751 | SCALE: 1/4" = 1'-0"





CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

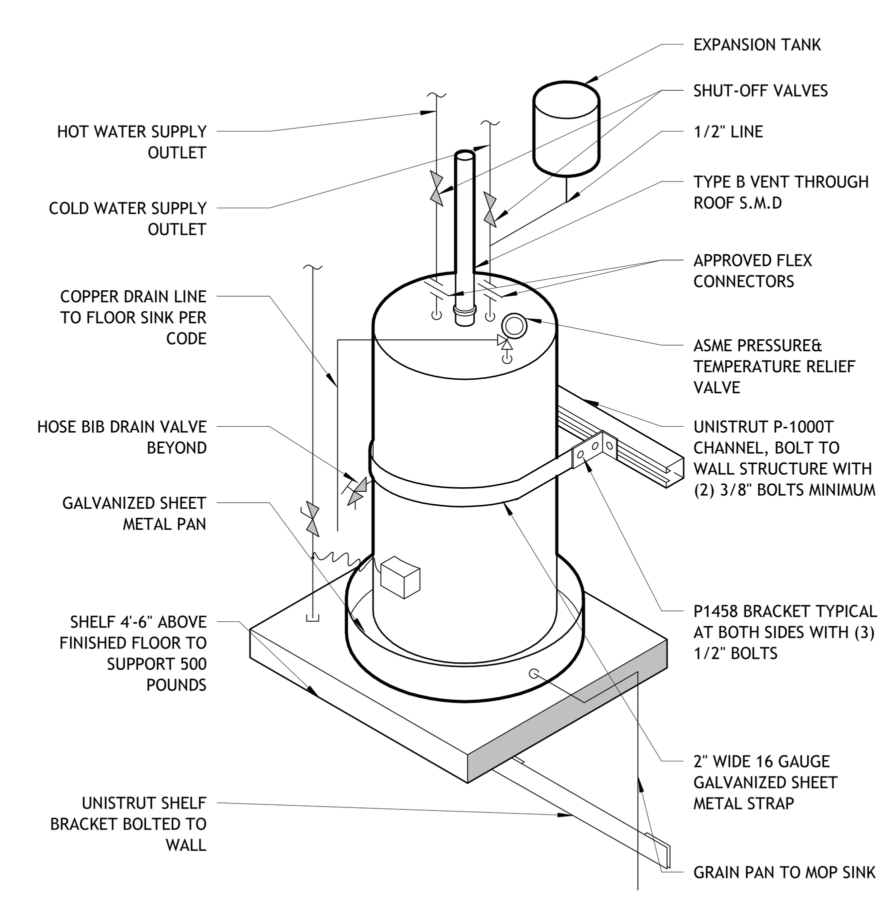
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

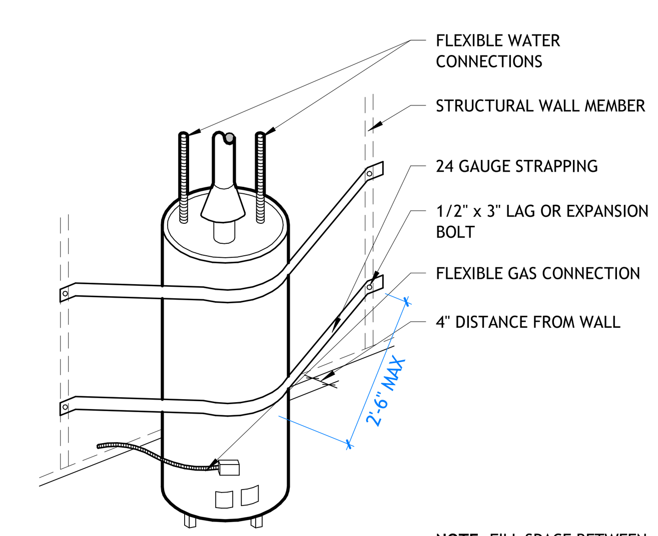
NETTING PLANS

SHEET NUMBER

A751



D1 SEISMIC WATER HEATER DETAIL
A752 | SCALE: 3/4" = 1'-0"



NOTE: FILL SPACE BETWEEN WATER HEATER AND WALL WITH 2X BLOCKING WITH CUSHIONED FACE.

B3 SEISMIC WATER HEATER DETAIL
A752 | SCALE: 1/2" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

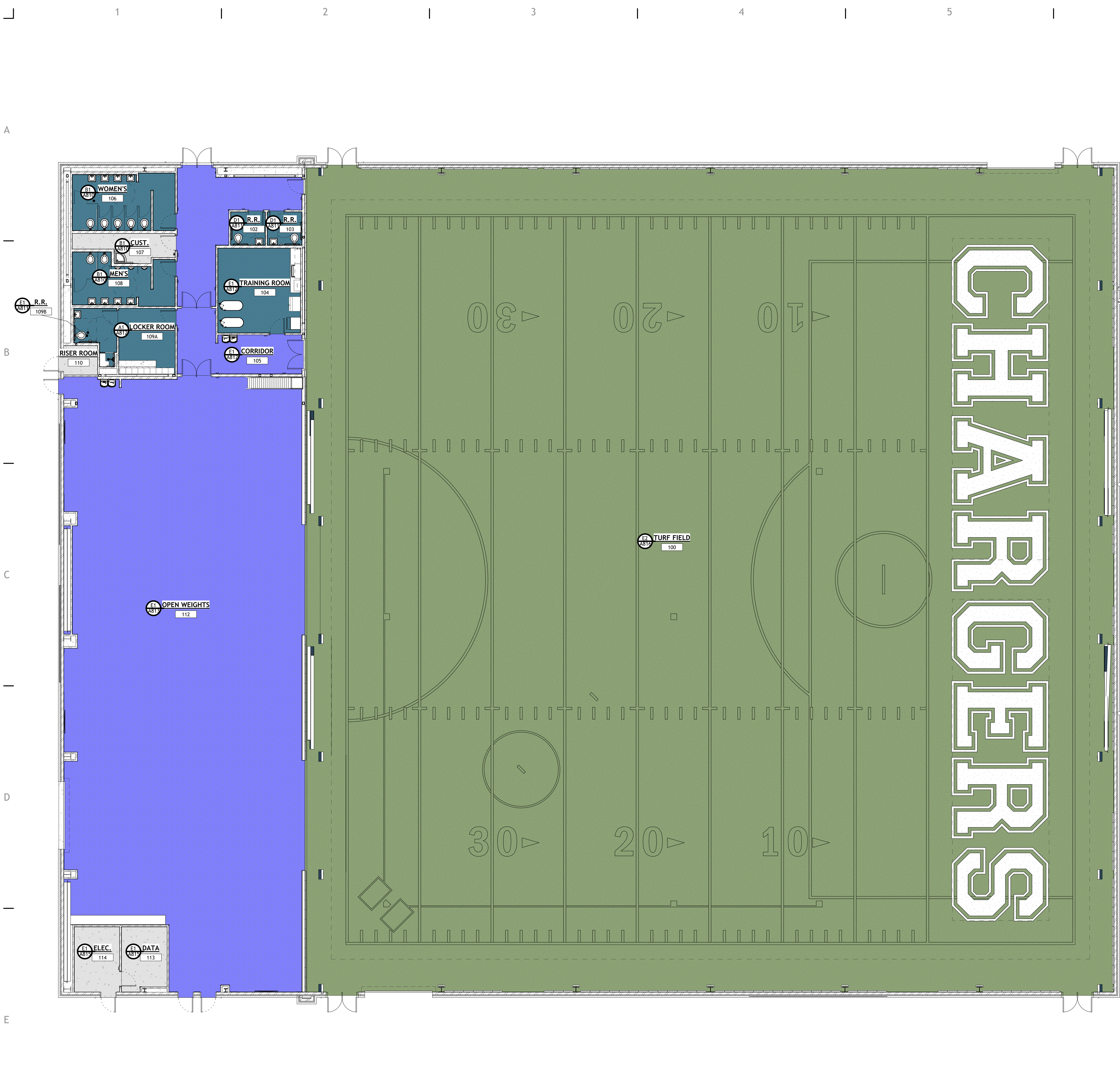
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SPECIALTY DETAILS

SHEET NUMBER

A752



E1 FINISH PLAN - FIELDHOUSE
A801 | SCALE: 1/8" = 1'-0"

KEYNOTES

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE
C. MILLWORK SHOWN FOR CLARITY. PROVIDE FLOORING UNDER EQUIPMENT, MILLWORK AND COUNTERTOPS.
D. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS
E. FINAL FINISH SELECTION TO BE COORDINATED WITH ARCHITECT, OWNER AND INTERIOR DESIGNER.
F. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS.
G. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISON, INTERCOMES, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
H. PROVIDE 3" DIAMETER HOLE THRU CONTER TOP AT ALL POWER AND DATE OUTLEST BELOW CABINET. PROVIDE 3MM PVC SLEEVE AROUND OPENING. COORDINATE WITH ELECTRICAL SHEETS. DRILL OPENING AFTER MILLWORK AS BEEN INSTALLED FOR ACCURATE LOCATION WITH ELECTRICAL.
I. FINAL LOCATION OF ALL RESTROOM EQUIPMENT TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION.
J. CHAMFER ALL EXPOSED CORNERS ON COUNTERTOPS.
K. ALL WINDOWS TO RECIEVE SOLID SURFACE SILLS. SEE A802 & SPECIFICATIONS FOR FINISH DETAILS.
L. PROVIDE STAINLESS STEEL CORNER GUARDS AT ALL DRYWALL CORNERS PER DETAIL D4/A560.
M. PROVIDE SCHULTER TRIM PIECE ON ALL EXPOSED TILE EDGES AND EXTERIOR CORNERS. SEE SPECIFICATIONS
N. ALL ROOMS TO RECIEVE ROOM SIGNS AT EACH ENTRY INTO SPACE. PLAN FOR APPROPRIATE AMOUNT PER ROOM.
O. A PREINSTALLTION MEETING IS TO BE SCHEDULED WITH THE OWNER, ARCHITECT, GENERAL CONTRACTOR, GYMNASIUM EQUIPMENT SUBCONTRACTOR, AND THE MULTI-PURPOSE ROOM FLOORING SUBCONTRACTOR TO COORDINATE THE LAYOUT AND INSTALLTION OF THE GYMNASIUM EQUIPMENT AND THE FLOOR GAME LINES.
P. PROVIDE FLOOR TRANSITION STRIPS AT ALL FLOOR MATERIAL TRANSITIONS PER DETAILS. SHEETS A550.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

FURNISHINGS PLAN - LEVEL 1

SHEET NUMBER

A801

FINISH ROOM SCHEDULE MAIN

Name	Number	Floor Finish	Base Finish	Wall Finish	Millwork Finishes	Ceiling Finish	Door Finish
TURF FIELD	100	F4, F5, F6, F7	B1	W7, W10, W11	-	CL3	D1
VESTIBULE	101	F2	B1	W1, W6	-	CL2	D1
R.R.	102	F1	B2	W3	-	CL1	D1
R.R.	103	F1	B2	W3	-	CL1	D1
TRAINING ROOM	104	F1	B1	W1, W3	M1, M2	CL2	D1
CORRIDOR	105	F2	B2	W1, W6	-	CL2	D1
WOMEN'S	106	F1	B2	W3	-	CL1	D1
CUST.	107	F3	B1	W1, W4	-	-	D1
MEN'S	108	F1	B2	W3	-	CL1	D1
LOCKER ROOM	109A	F1	B1	W1, W5		CL1	D1
R.R.	109B	F1	B2	W3	-	CL1	D1
RISER ROOM	110	F3	B1	W1	-	-	D1
OPEN WEIGHTS	112	F2	B1	W1, W2, W10, W11, W12	M1. M2	CL3	D1
DATA	113	F3	B1	W1	-	-	D1
ELEC.	114	F3	B1	W1	-	-	D1
MENS	115	F1	B1	W1	-	-	D1
BALCONY	200	F9	B1	W1	-		D2

INTERIOR FINISH SCHEDULE

CODE	MATERIAL	MANUFACTURER	PRODUCT NAME / NUMBER	COLOR / FINISH	SIZE	COMMENTS
1-FLOOR FINSHES						
F1	RUBBER TYPE 1	MONDO FLOORING	RAMFLEX	MARINE BLUE G986	ROLLS	CHEMICALLY WELDED
F2	RUBBER TYPE 2	MONDO FLOORING	SPORT IMPACT	DARK GREY S018	3' X 3' TILES	NO INTERLOCKING
F3	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
F4	TURF TYPE 1	-	-	-	-	NIC - OWNER PROVIDED
F5	TURF TYPE 2	-	-	-	-	NIC - OWNER PROVIDED
F6	TURF TYPE 3	-	-	-	-	NIC - OWNER PROVIDED
F7	TURF TYPE 4	-	-	-	-	NIC - OWNER PROVIDED
F8	EXISTING RUBBER	-	-	-	-	-
F9	LUXURY VINYL TILE	JJ FLOORING	STEP BY STEP 5MM	ALL PURPOSE	18" X 36"	INSTALLATION: ASHLAR
F10	LUXURY VINYL TILE ACCENT	JJ FLOORING	STEP BY STEP 5MM	DENIM 1134	18" X 36"	INSTALLATION: ASHLAR
F11	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	CONCRETE 00570	18" X 36"	INSTALLATION: STAGGARED
F12	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	HARBOR 00460	18" X 36"	INSTALLATION: STAGGARED
F13	PORCELAIN FLOOR TILE	DALTILE	-	-	-	-
2- BASE FINISHES						
B1	6" RUBBER BASE	JOHNSONITE BY TARKETT	MANDALAY	BURNT UMBER 63	6"	
B2	CORRESPONDING TILE BASE	-	-	-	-	
3- WALL FINISH						
W1	GENERAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	SHEEN: EGGSHELL
W2	ACCENT PAINT	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	SHEEN: EGGSHELL
W3	PORCELAIN WALL TILE	DALTILE	SYNCHRONIC	WHITE SY30 MATTE	12X24	GROUT: CBP, "ASH" #642 / INSTALLATION: VERTICAL STRAIGHT STACK
W4	CERAMIC WALL TILE	DALTILE	COLOR WHEEL LINEAR	MATTE SUEDE GRAY 0782	4X16	GROUT: CBP, "PEWTER" #19 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W5	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
W6	PORCELAIN WALL TILE	DALTILE	VOLUME 1.0	SONIC WHITE VL75	12x24	GROUT: CBP, "ASH" #642 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W7	WALL PADDING	-		-	2'X6' TYPICAL	COLOR TO BE SELECTED BY INTERIOR DESIGNER
W8	ACCENT PAINT 2	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	FINISH: EGGSHELL
W9	ACCENT PAINT 3	SHERWIN WILLIAMS	-	DOMINO SW6989	-	FINISH: EGGSHELL
W10	PAINTED METAL STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
W11	FIELD METAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: SEMI-GLOSS
W12	DIAMOND PLATE	INPRO	-	STAINLESS STEEL DIAMOND PLATE	-	FINISH WITH CORNER GUARDS IN SAME DIAMOND PLATE PATTERN
W13	PLASTIC LAMINATE WALL PANELS	FORMICA	-	WALNUT RIFTWOOD 9283-NG	-	USE FRY REGLET 1/2" MILLWORK REVEAL INBETWEEN MDF WRAPPED PANELS.
W14	TEXTILE WALLCOVERING	SBR TECHNOLOGIES	-	-	-	CUSTOM WALLCOVERING. BRANDING PROVIDED BY OWNER.
4- MILLWORK FINISHES						
M1	PLASTIC LAMINATE MILLWORK	FORMICA	-	STORM 912-58	-	-
M2	PLASTIC LAMINATE COUNTERTOP	WILSONART	-	GREY PAMPAS 4168-60	-	EASED EDGE
M3	SOLID SURFACE	FORMICA	EVERFORM	GAMMA GRAY 417	3CM	EASED EDGE.USED AS WINDOW SILLS AS WELL
M4	PLASTIC LAMINATE MILLWORK	FORMICA	-	WALNUT RIFTWOOD 9283-NG	-	-
5-CEILING FINISH						
CL1	PAINTED GYPSUM BOARD	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: FLAT
CL2	ACOUSTIC CEILING TILE	-	-	-	-	-
CL3	PAINTED STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
6-DOOR FINISHES						
D1	PAINTED METAL DOOR & TRIM	SHERWIN WILLIAMS	-	DOMINO SW6989	-	TRIM OF DOOR MATCH EXISTING, SHEEN - SEMI-GLOSS
D2	WOOD DOOR & PAINTED METAL TRIM	SHERWIN WILLIAMS	-	-	-	SHEEN: SEMI-GLOSS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

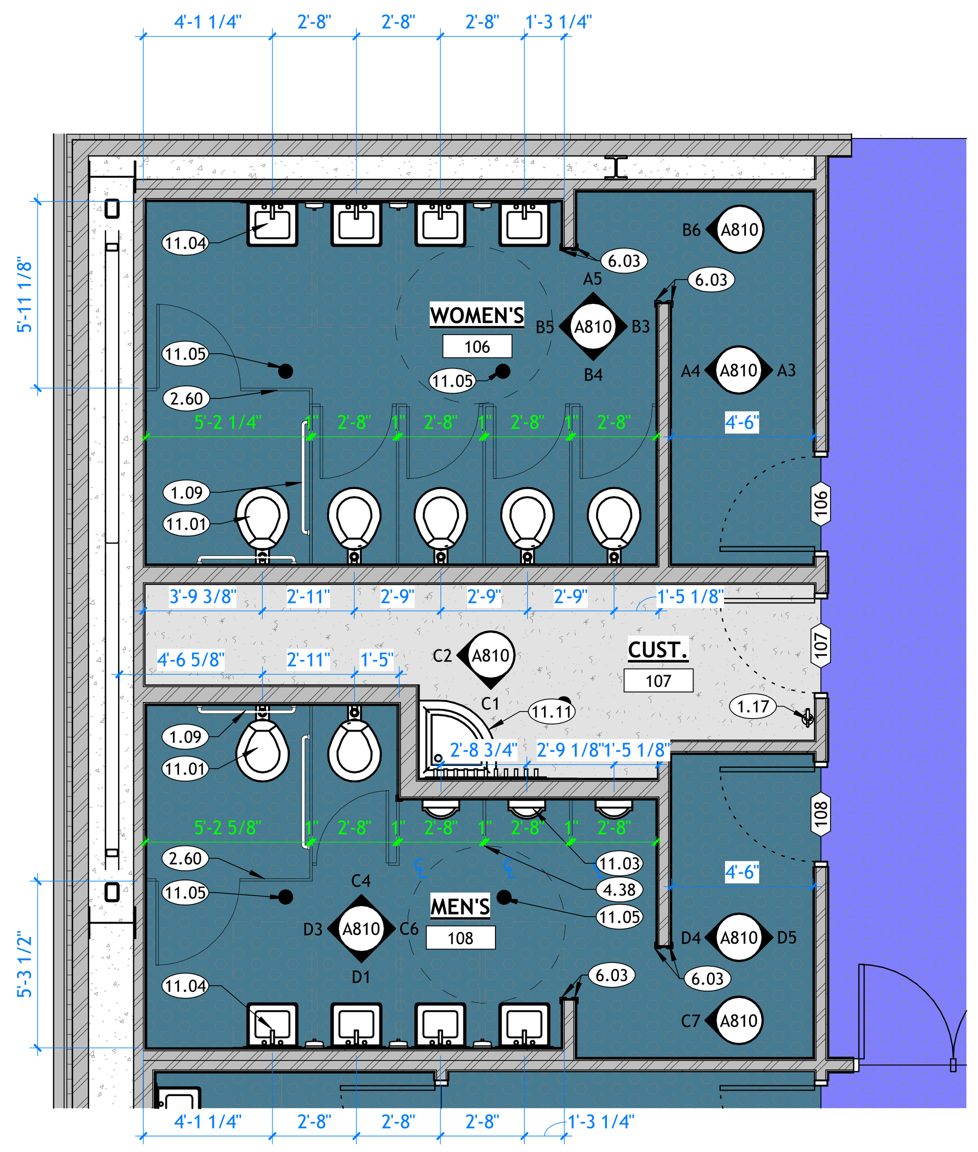
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

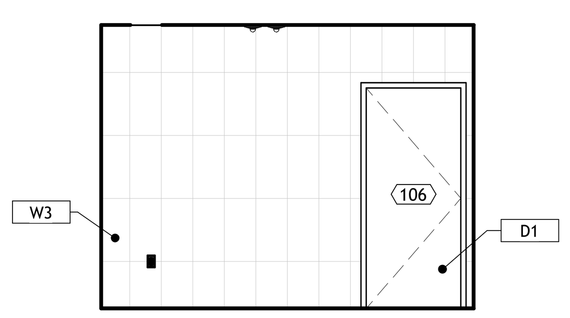
FINISH LEGEND

SHEET NUMBER

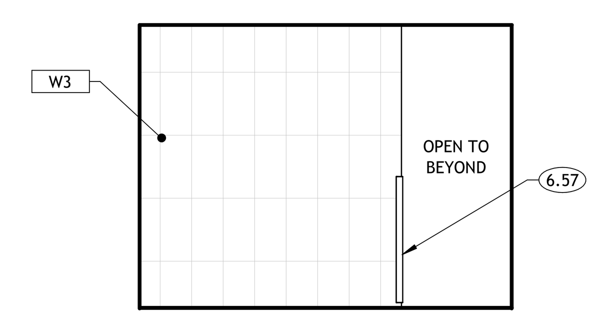
A802



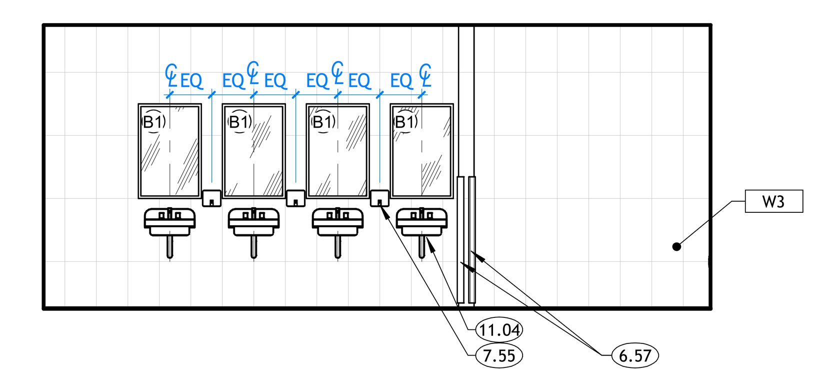
ENLARGED RESTROOM 106 & 108
A810 | SCALE: 1/4" = 1'-0"



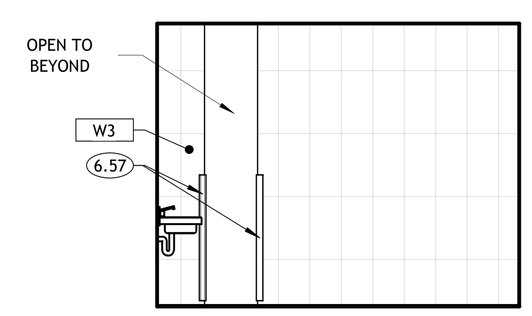
A3 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



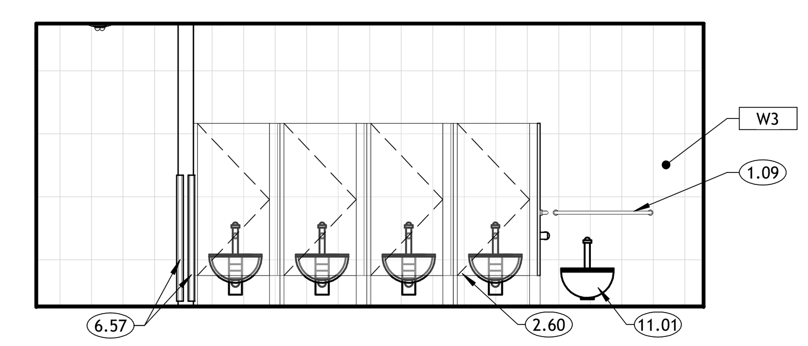
A4 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



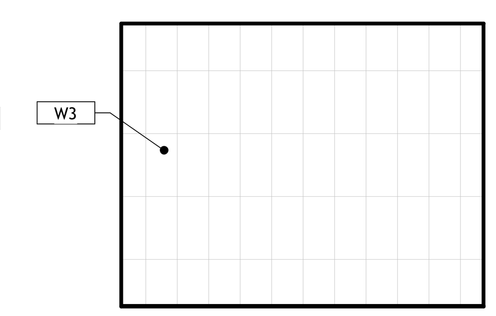
A5 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



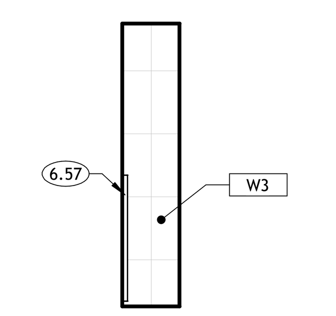
B3 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



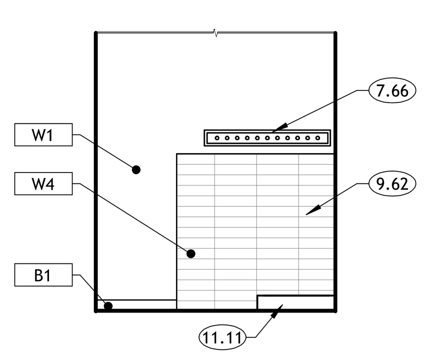
B4 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



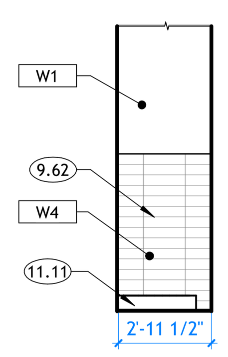
B5 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



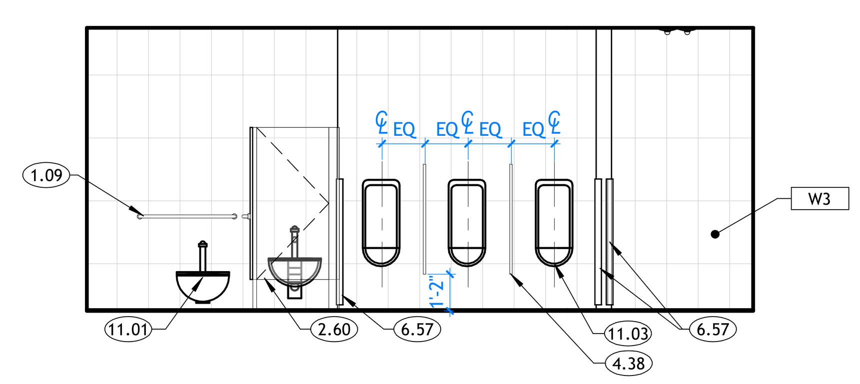
B6 WOMENS RESTROOM 106
A810 | SCALE: 1/4" = 1'-0"



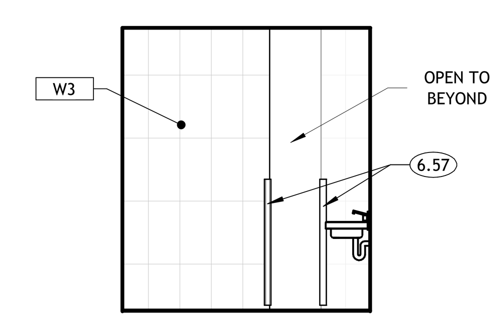
C1 CUSTODIAL 107
A810 | SCALE: 1/4" = 1'-0"



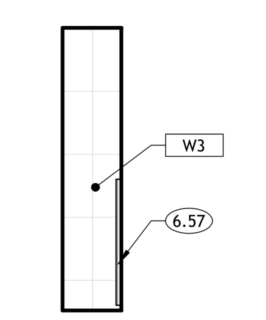
C2 CUSTODIAL 107
A810 | SCALE: 1/4" = 1'-0"



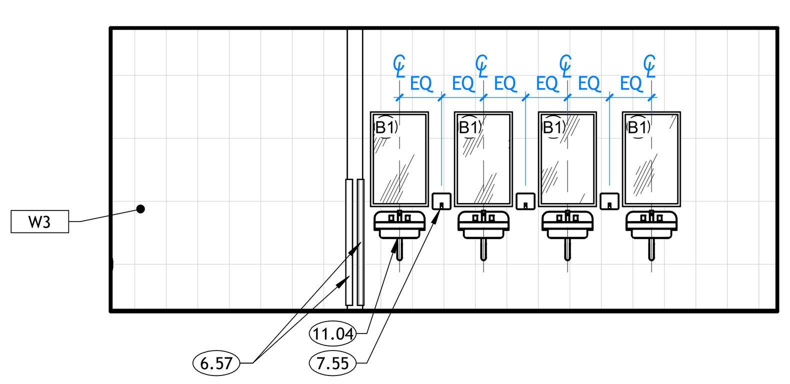
C4 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"



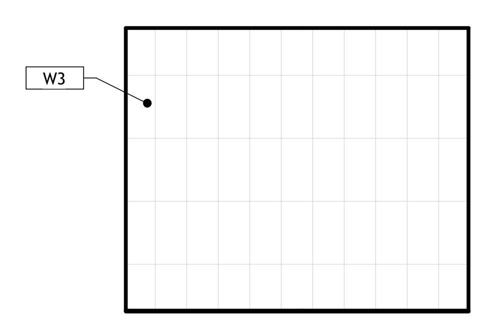
C6 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"



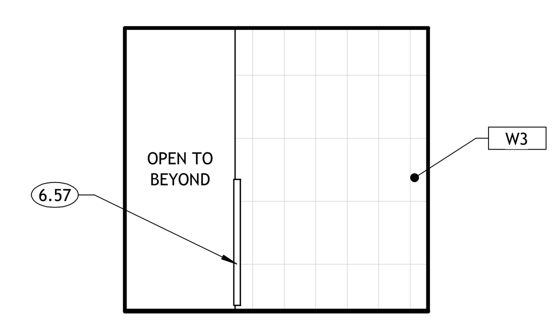
C7 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"



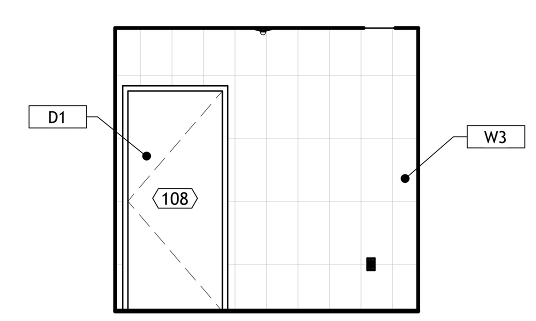
D1 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"



D3 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"



D4 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"



D5 MENS RESTROOM 108
A810 | SCALE: 1/4" = 1'-0"

KEYNOTES

1.09	ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.17	BRACKET MOUNTED FIRE EXTINGUISHER. SEE SPECIFICATIONS.
2.60	PHENOLIC-CORE TOILET PARTITIONS, SEE SPECIFICATIONS.
4.38	PHENOLIC-CORE URINAL SCREEN. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD
6.57	4' TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
7.55	SOAP DISPENSER. OWNER PROVIDED, CONTRACTOR INSTALLED.
7.66	HANGING MOP RACK 63" A.F.F.
9.62	SEE D1/A560 FOR DETAILS AND TILE DIMENSIONS.
11.01	TOILET. SEE PLUMBING.
11.03	URINAL. SEE PUMBING.
11.04	SINK. SEE PLUMBING.
11.05	FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.
11.11	MOP SINK OVER TYPICAL MOP SINK WALL TILE. LONG MOP AND BROOM HOLDER ABOVE. SEE PLUMBING AND ELEVATIONS.

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET **A003** FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

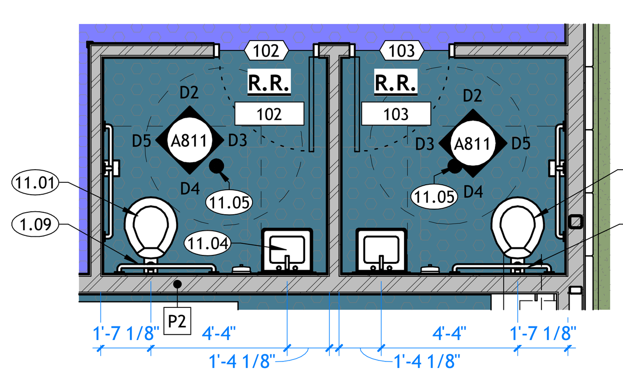
ENLARGED RESTROOMS

SHEET NUMBER

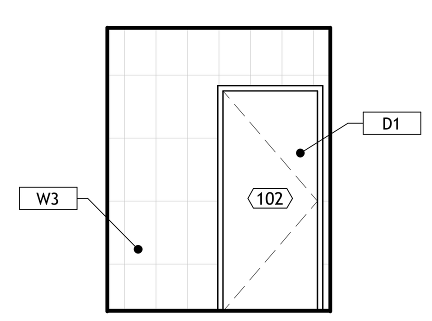
A810

1 2 3 4 5 6 7

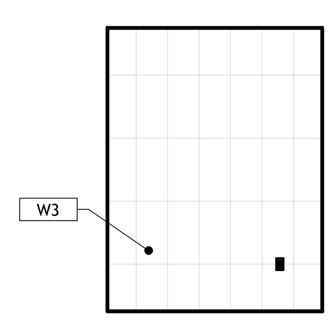
A B C D E



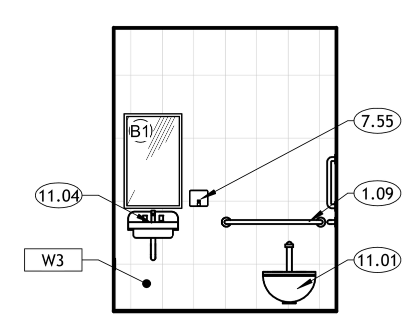
ENLARGED RESTROOM 102 & 103
A811 | SCALE: 1/4" = 1'-0"



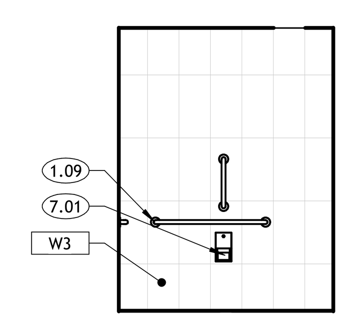
D2 RESTROOM 102 & 103
A811 | SCALE: 1/4" = 1'-0"



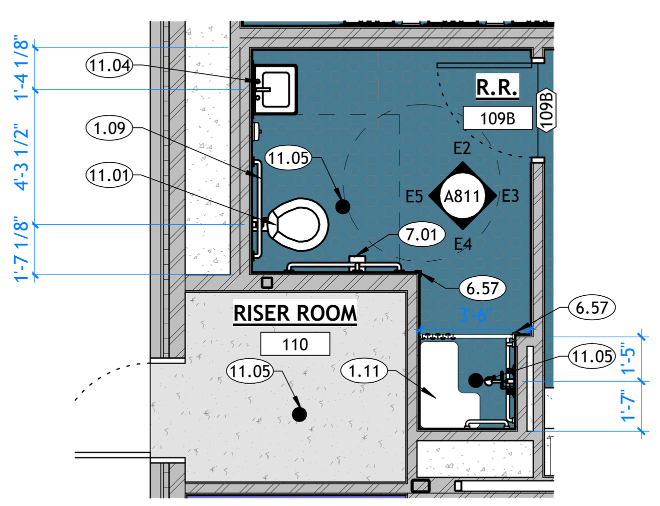
D3 RESTROOM 102 & 103
A811 | SCALE: 1/4" = 1'-0"



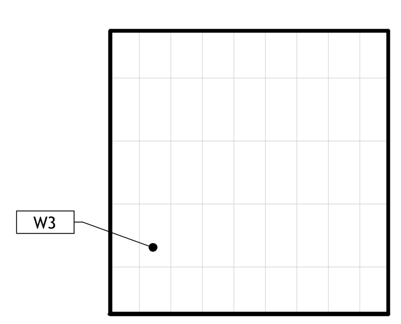
D4 RESTROOM 102 & 103
A811 | SCALE: 1/4" = 1'-0"



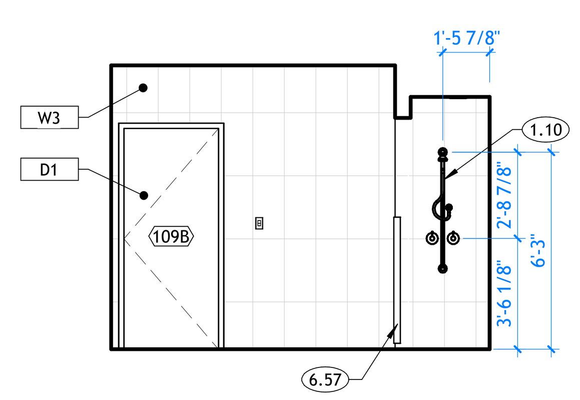
D5 RESTROOM 102 & 103
A811 | SCALE: 1/4" = 1'-0"



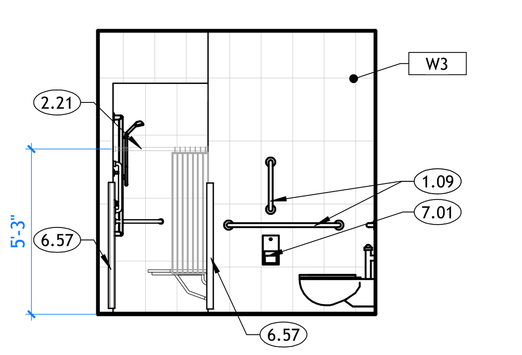
ENLARGED RESTROOM 109B
A811 | SCALE: 1/4" = 1'-0"



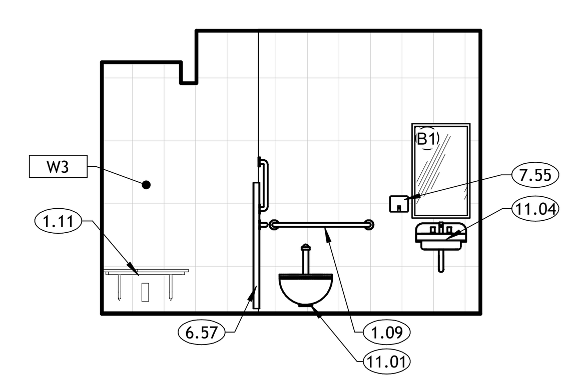
E2 RESTROOM 109B
A811 | SCALE: 1/4" = 1'-0"



E3 RESTROOM 109B
A811 | SCALE: 1/4" = 1'-0"



E4 RESTROOM 109B
A811 | SCALE: 1/4" = 1'-0"



E5 RESTROOM 109B
A811 | SCALE: 1/4" = 1'-0"

KEYNOTES

1.09	ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.10	ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
1.11	ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
2.21	SHOWER CURTAIN AND ROD. SEE SPECIFICATIONS.
6.57	4' TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
7.01	TOILET PAPER DISPENSER. PORVIDED BY OWNER, INSTALLED BY CONTRACTOR. SEE A003 FOR MOUNTING HEIGHTS
7.55	SOAP DISPENSER. OWNER PROVIDED, CONTRACTOR INSTALLED.
11.01	TOILET. SEE PLUMBING.
11.04	SINK. SEE PLUMBING.
11.05	FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

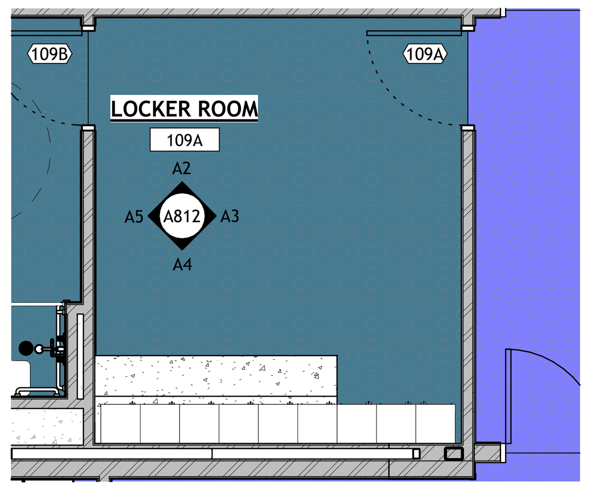
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

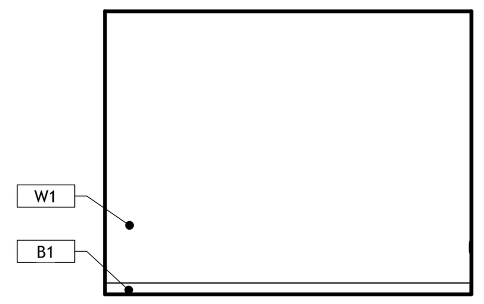
ENLARGED RESTROOMS

SHEET NUMBER

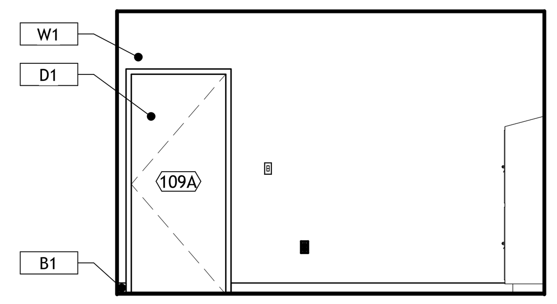
A811



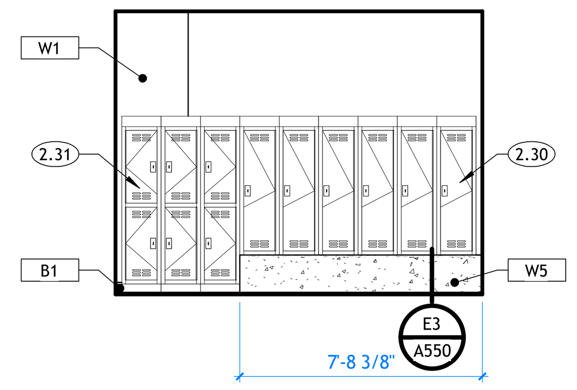
ENLARGED LOCKER ROOM 109A
A812 | SCALE: 1/4" = 1'-0"



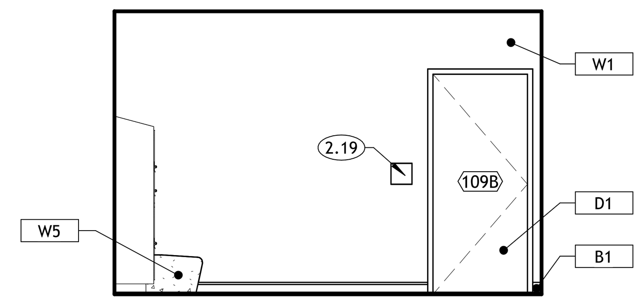
A2 LOCKER ROOM 109A
A812 | SCALE: 1/4" = 1'-0"



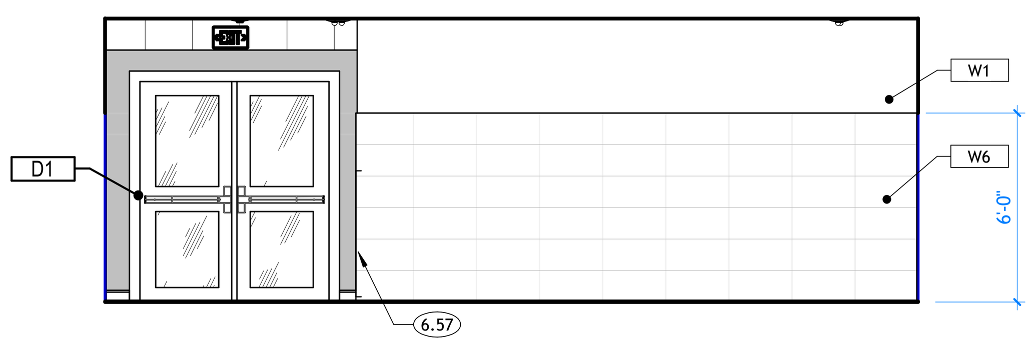
A3 LOCKER ROOM 109A
A812 | SCALE: 1/4" = 1'-0"



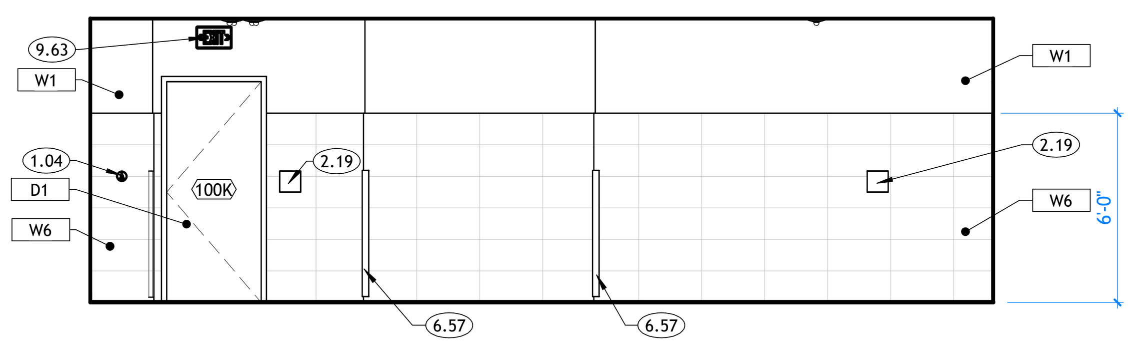
A4 LOCKER ROOM 109A
A812 | SCALE: 1/4" = 1'-0"



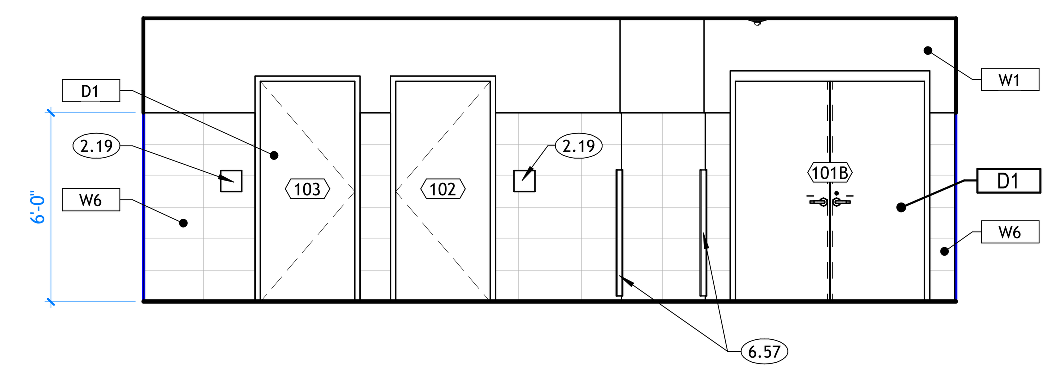
A5 LOCKER ROOM 109A
A812 | SCALE: 1/4" = 1'-0"



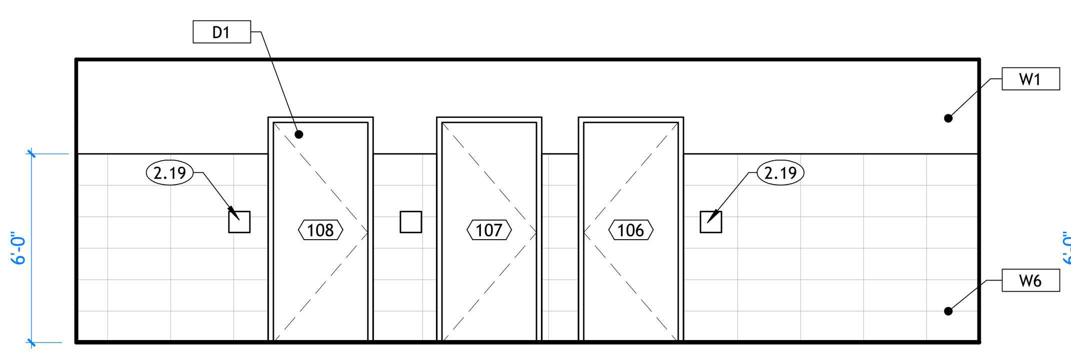
B1 VESTIBULE 101
A812 | SCALE: 1/4" = 1'-0"



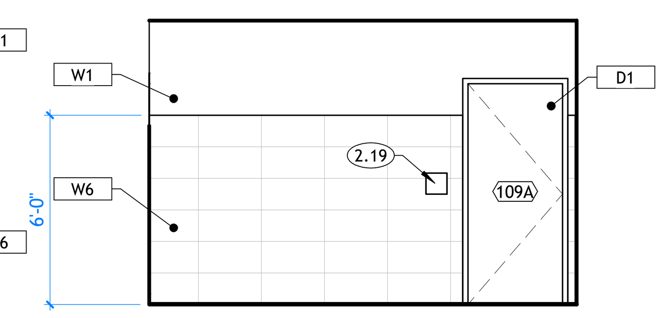
B3 VESTIBULE 101
A812 | SCALE: 1/4" = 1'-0"



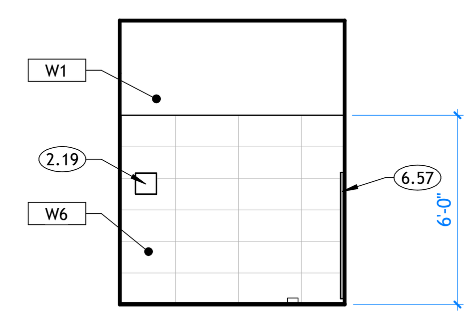
B5 VESTIBULE 101
A812 | SCALE: 1/4" = 1'-0"



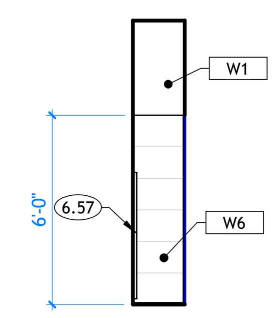
C3 VESTIBULE 101
A812 | SCALE: 1/4" = 1'-0"



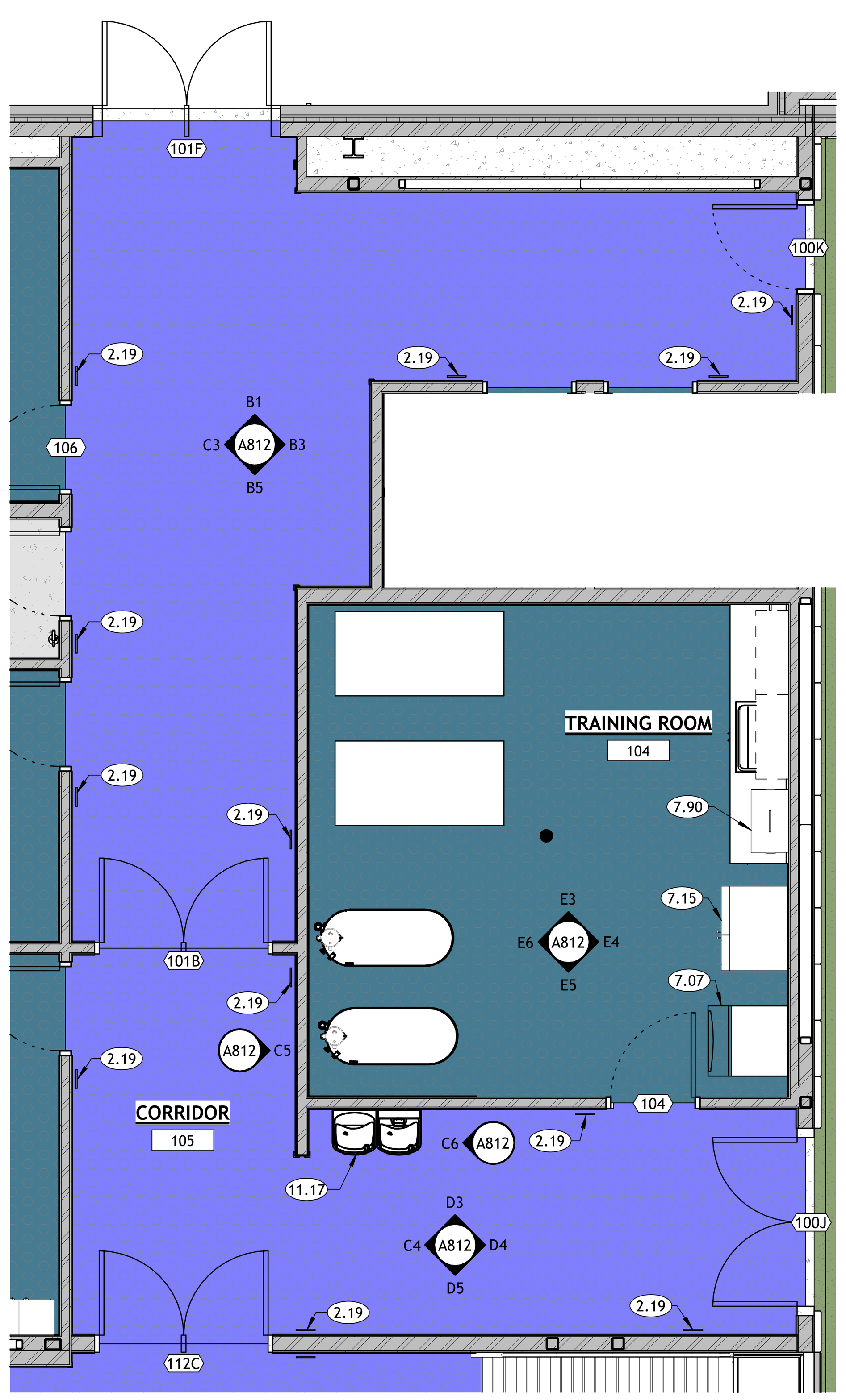
C4 CORRIDOR 105
A812 | SCALE: 1/4" = 1'-0"



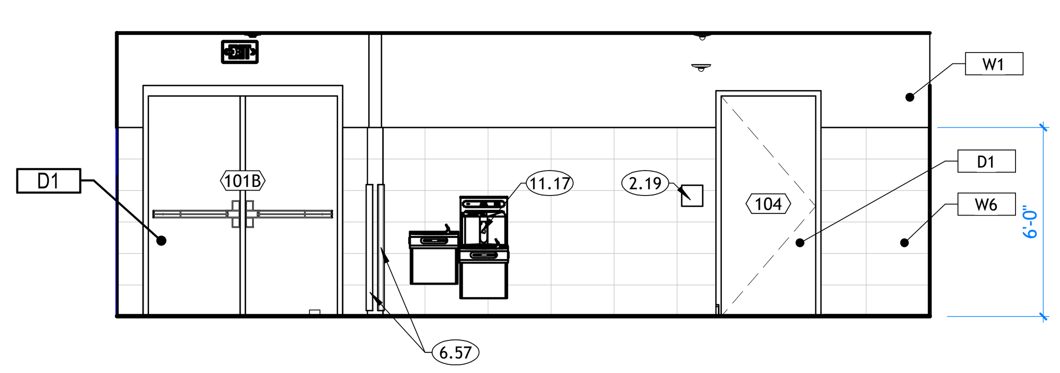
C5 CORRIDOR 105
A812 | SCALE: 1/4" = 1'-0"



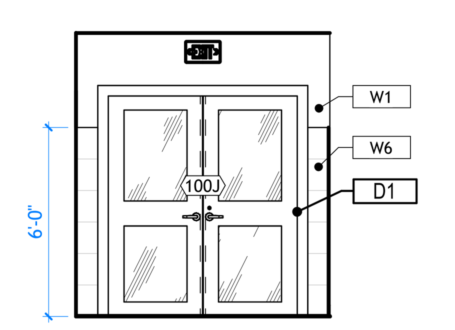
C6 CORRIDOR 105
A812 | SCALE: 1/4" = 1'-0"



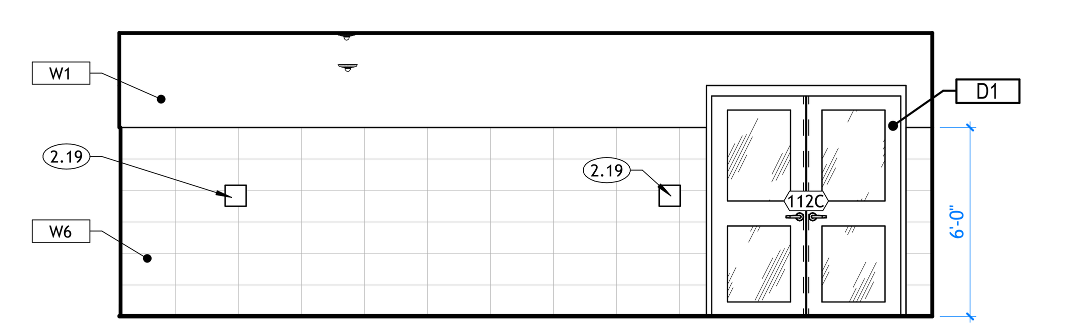
ENLARGED TRAINING ROOM
A812 | SCALE: 1/4" = 1'-0"



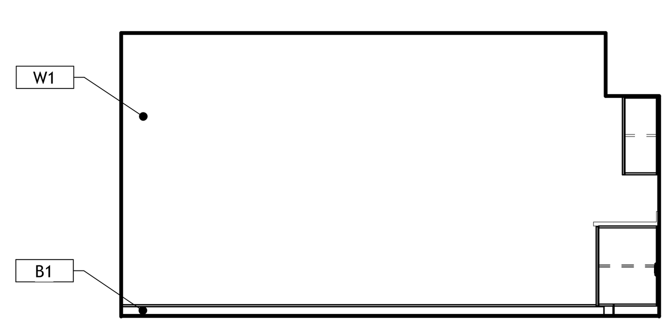
D3 CORRIDOR 105
A812 | SCALE: 1/4" = 1'-0"



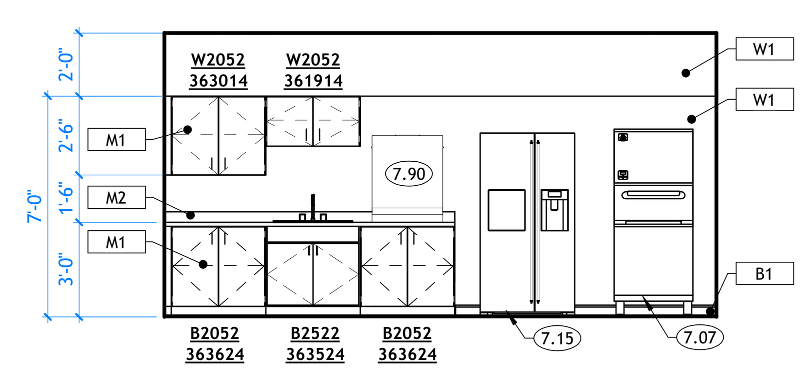
D4 CORRIDOR 105
A812 | SCALE: 1/4" = 1'-0"



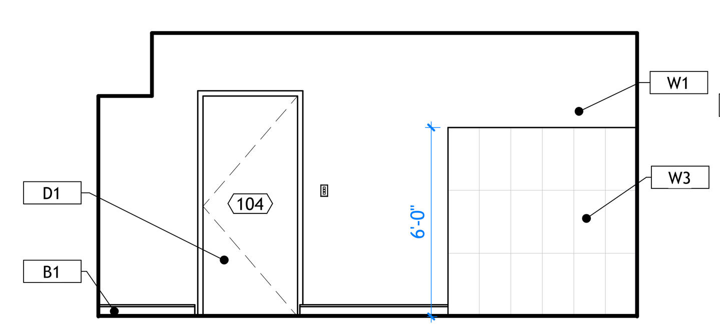
D5 CORRIDOR 105
A812 | SCALE: 1/4" = 1'-0"



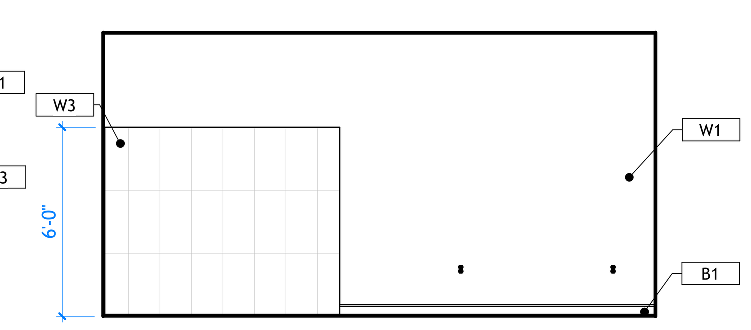
E3 TRAINING ROOM 104
A812 | SCALE: 1/4" = 1'-0"



E4 TRAINING ROOM 104
A812 | SCALE: 1/4" = 1'-0"



E5 TRAINING ROOM 104
A812 | SCALE: 1/4" = 1'-0"



E6 TRAINING ROOM 104
A812 | SCALE: 1/4" = 1'-0"

KEYNOTES

1.04	ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER ,ELECTRICAL, AND HARDWARE.
2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
2.30	LOCKER ROOM 1-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS. COLORS BY ARCHITECT.
2.31	LOCKER ROOM 2-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS. COLORS BY ARCHITECT.
6.57	4' TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
7.07	ICE MAKER (NIC).
7.15	REFRIGERATOR WITH FREEZER (N.I.C.)
7.90	HYDROCOLLATOR (N.I.C.)
9.63	EXIT SIGN.
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ENLARGED TRAINING ROOM

SHEET NUMBER

A812

KEYNOTES

6.03	4' TALL STAINLESS STEEL CORNER GUARD
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

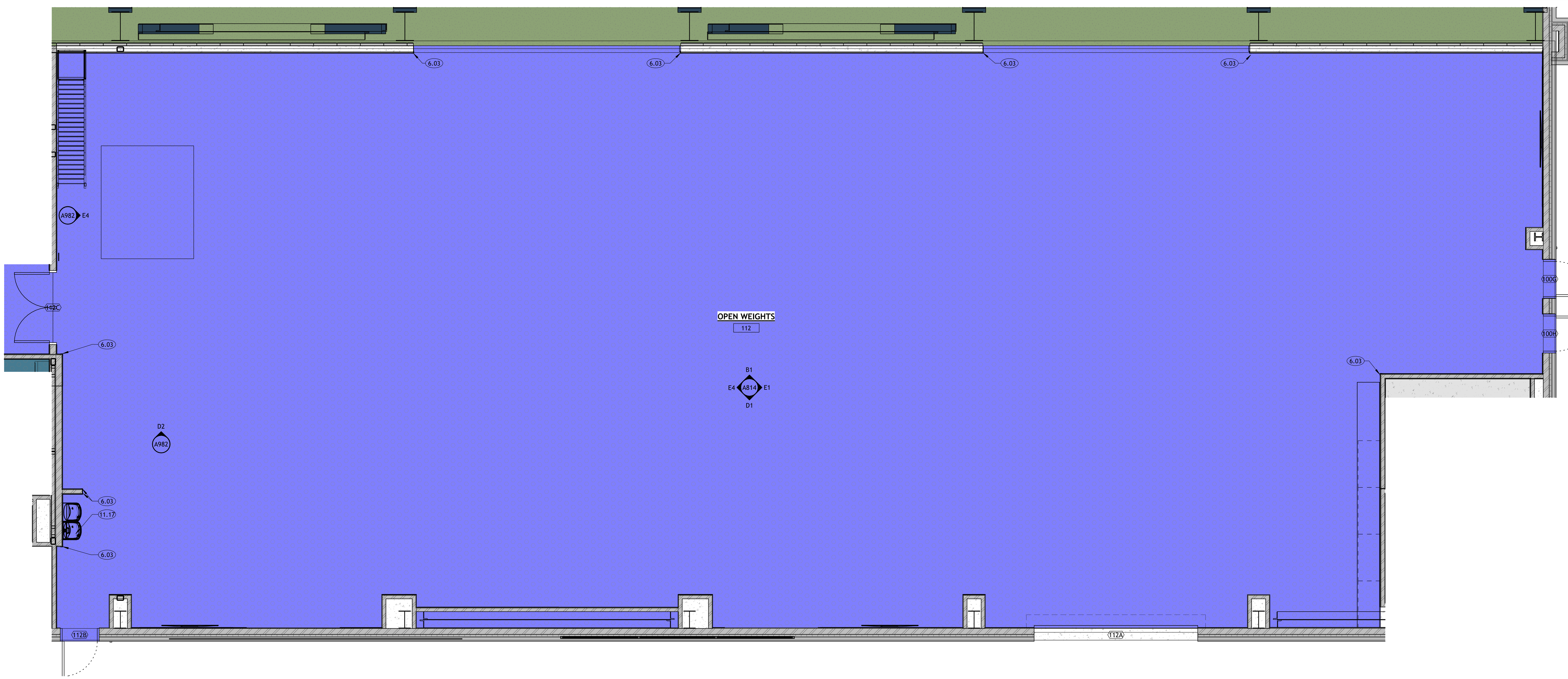
GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES



ENLARGED OPEN WIEGHTS ROOM
A813 | SCALE: 1/4" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

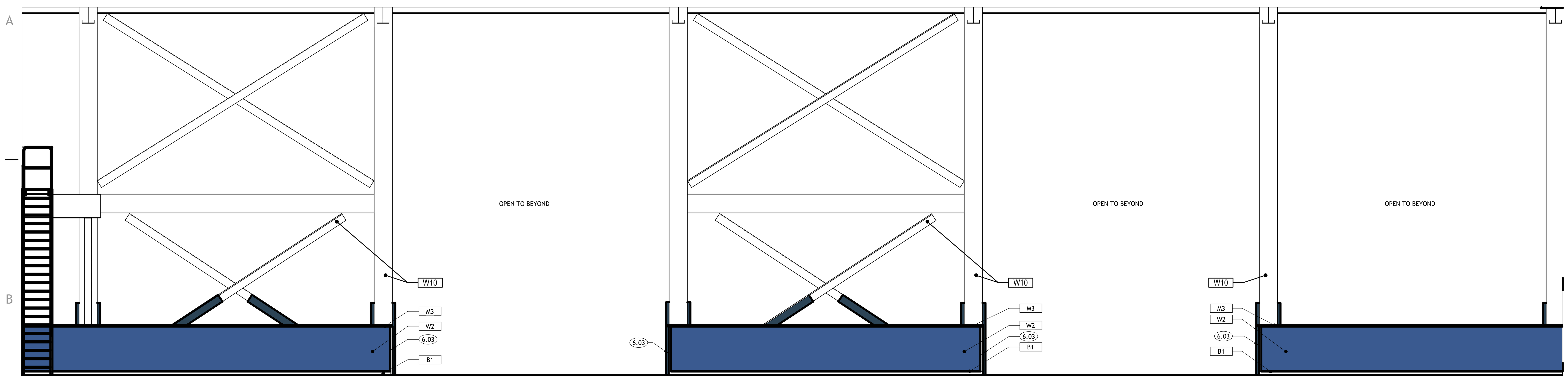
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

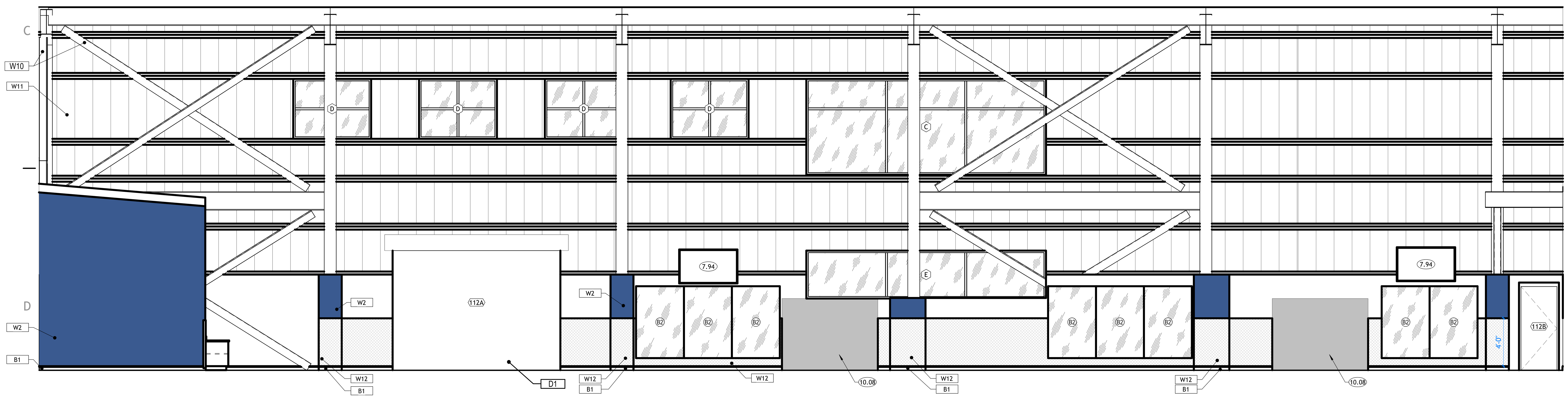
ENLARGED OPEN WEIGHTS

SHEET NUMBER

A813

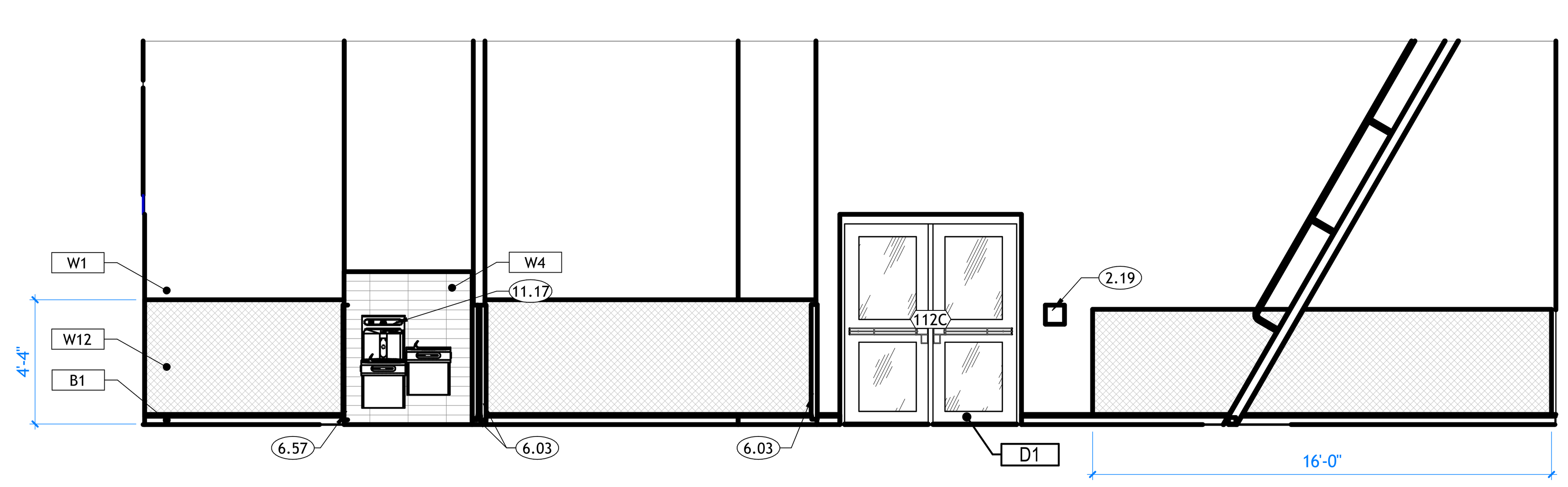


B1 OPEN WEIGHTS 112 - A
A814 | SCALE: 1/4" = 1'-0"



D1 OPEN WEIGHTS 112 - C
A814 | SCALE: 1/4" = 1'-0"

E1 OPEN WEIGHTS 112 - B
A814 | SCALE: 1/4" = 1'-0"



E4 OPEN WEIGHTS 112 - D
A814 | SCALE: 1/4" = 1'-0"

KEYNOTES

2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD
6.57	4' TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
6.58	PROVIDE 3/4" END PANEL. TO MATCH SCHEDULED MILLWORK FINISH
7.94	65" TV. COORDINATE WITH ELECTRICAL
10.08	MECHANICAL EQUIPMENT. SEE MECHANICAL.
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

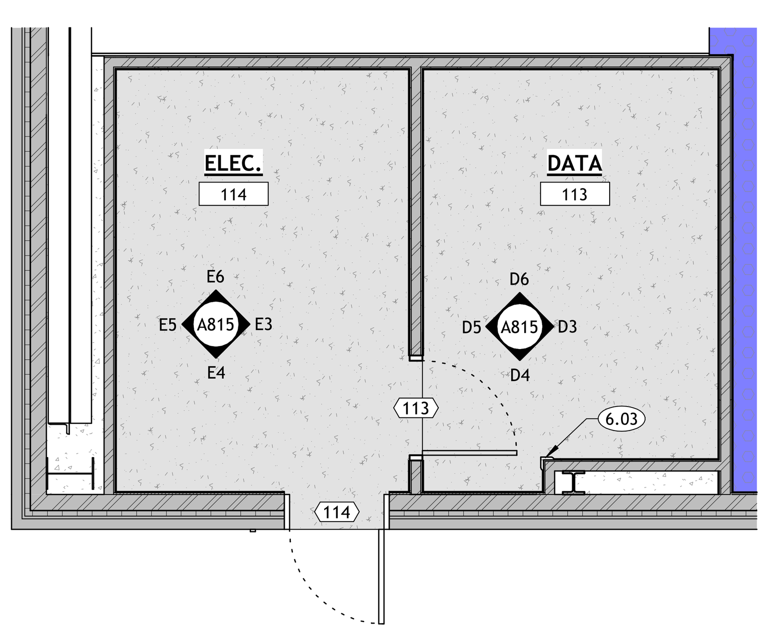
ENLARGED OPEN WEIGHTS

SHEET NUMBER

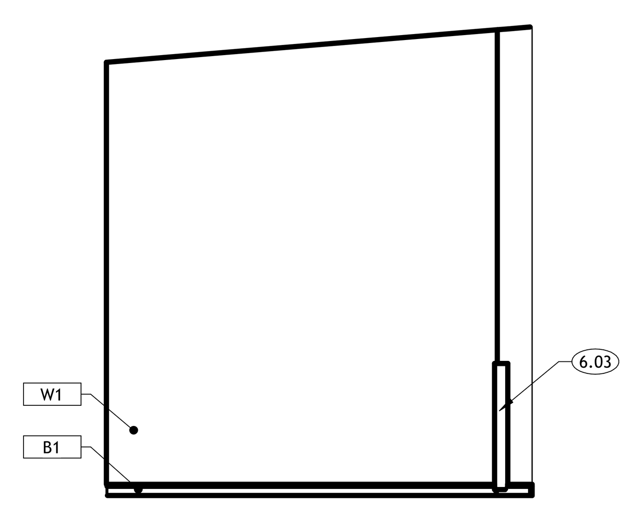
A814

KEYNOTES

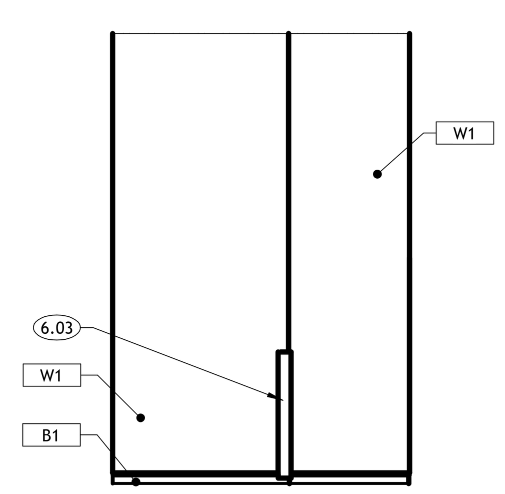
6.03 4' TALL STAINLESS STEEL CORNER GUARD



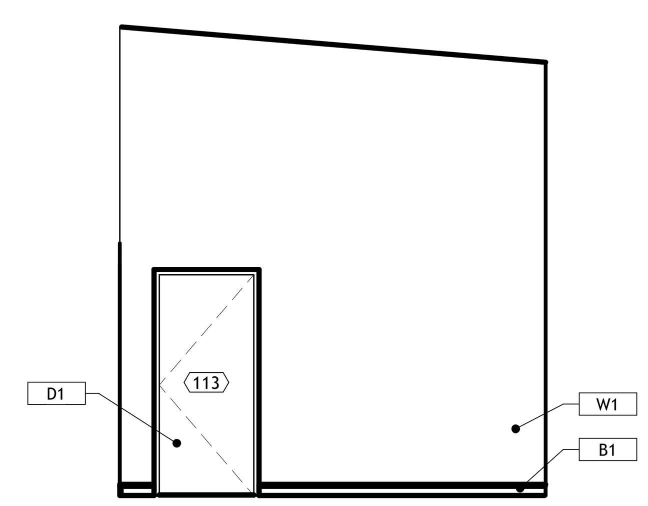
ENLARGED DATA AND ELEC. ROOMS
A815 | SCALE: 1/4" = 1'-0"



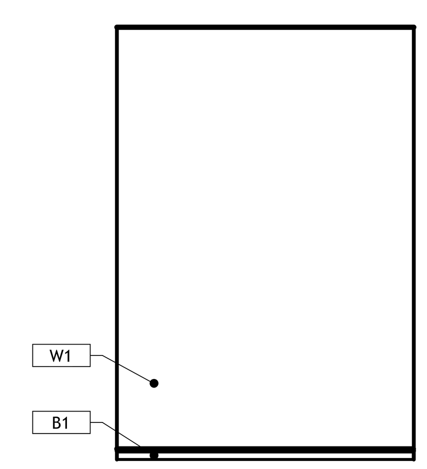
D3 DATA 113 - A
A815 | SCALE: 1/4" = 1'-0"



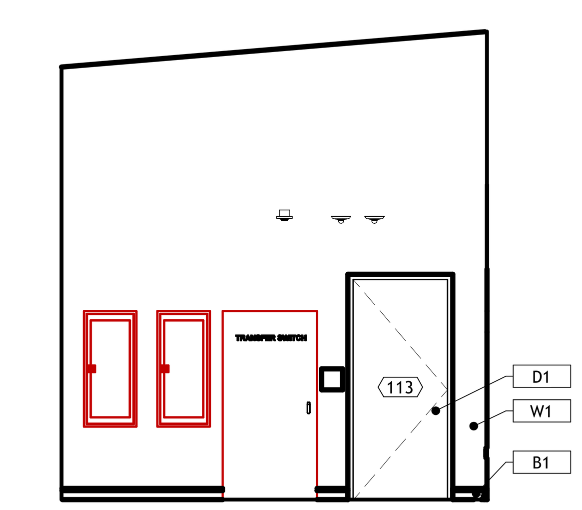
D4 DATA 113 - B
A815 | SCALE: 1/4" = 1'-0"



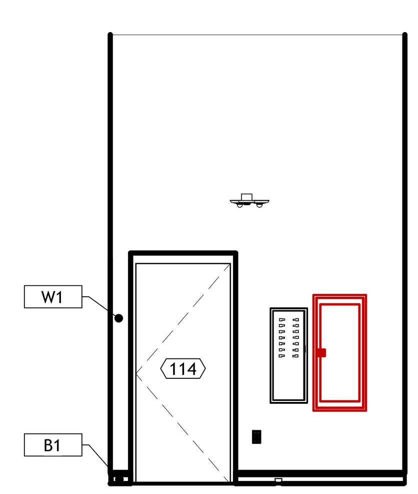
D5 DATA 113 - C
A815 | SCALE: 1/4" = 1'-0"



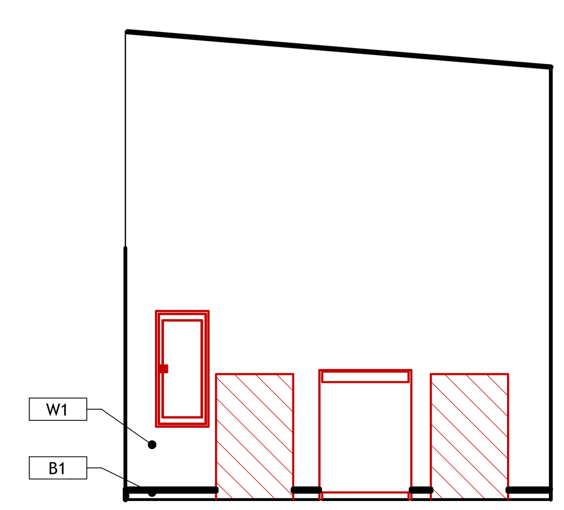
D6 DATA 113 - D
A815 | SCALE: 1/4" = 1'-0"



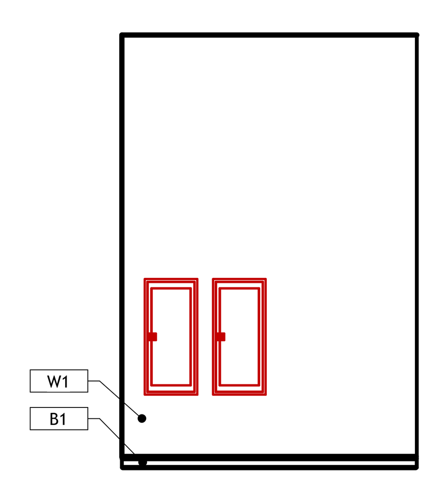
E3 ELEC. 114 - A
A815 | SCALE: 1/4" = 1'-0"



E4 ELEC. 114 - B
A815 | SCALE: 1/4" = 1'-0"



E5 ELEC. 114 - C
A815 | SCALE: 1/4" = 1'-0"



E6 ELEC. 114 - D
A815 | SCALE: 1/4" = 1'-0"

FLOOR FINISHES

Code	Material
F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET **A003** FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

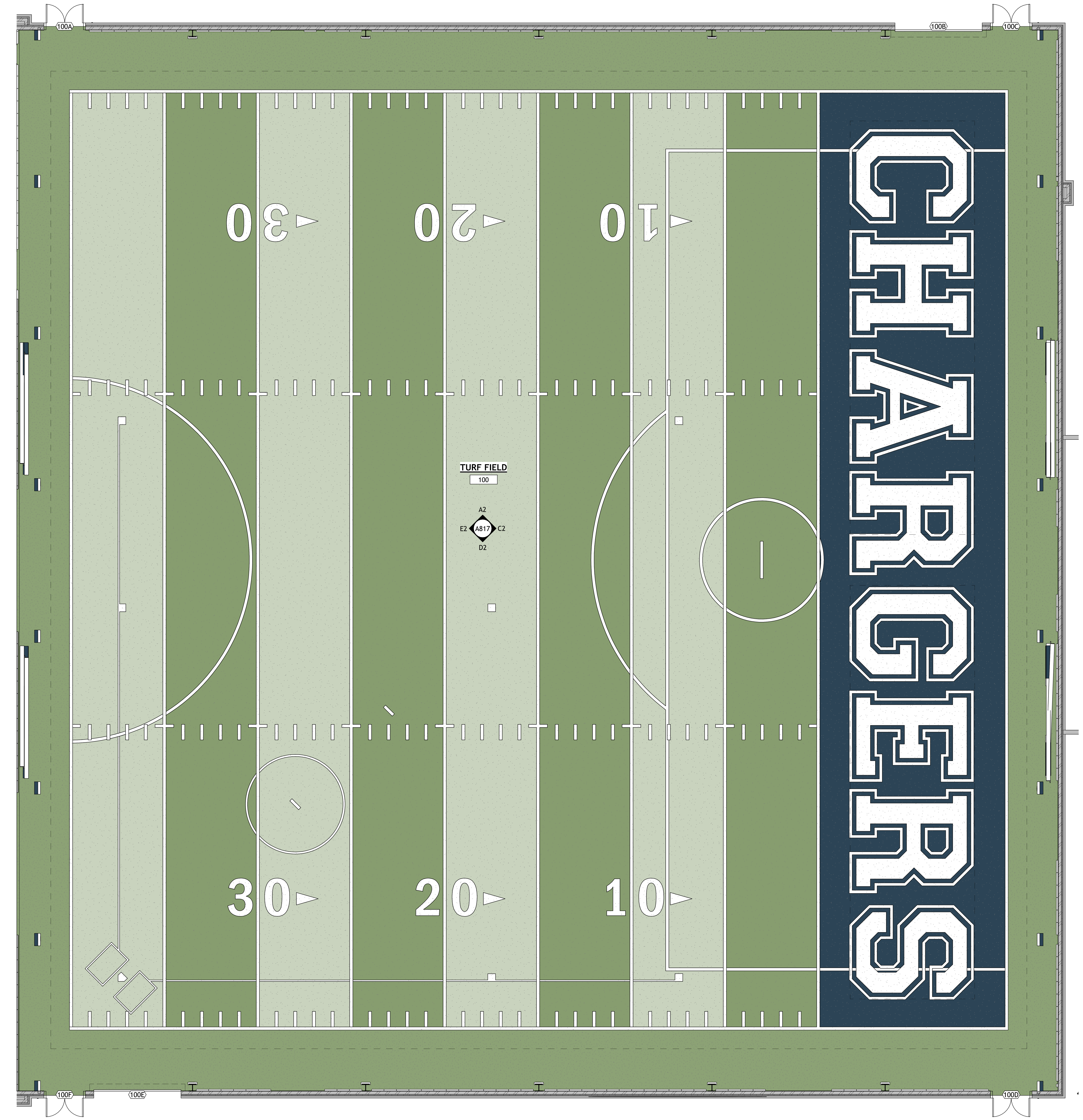
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ENLARGED DATA & ELEC. ROOMS

SHEET NUMBER

A815



ENLARGED TURF FIELD
A816 | SCALE: 1/8" = 1'-0"

KEYNOTES

FLOOR FINISHES

CODE	FINISH
F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

TAG	SIZE	ITEM
A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

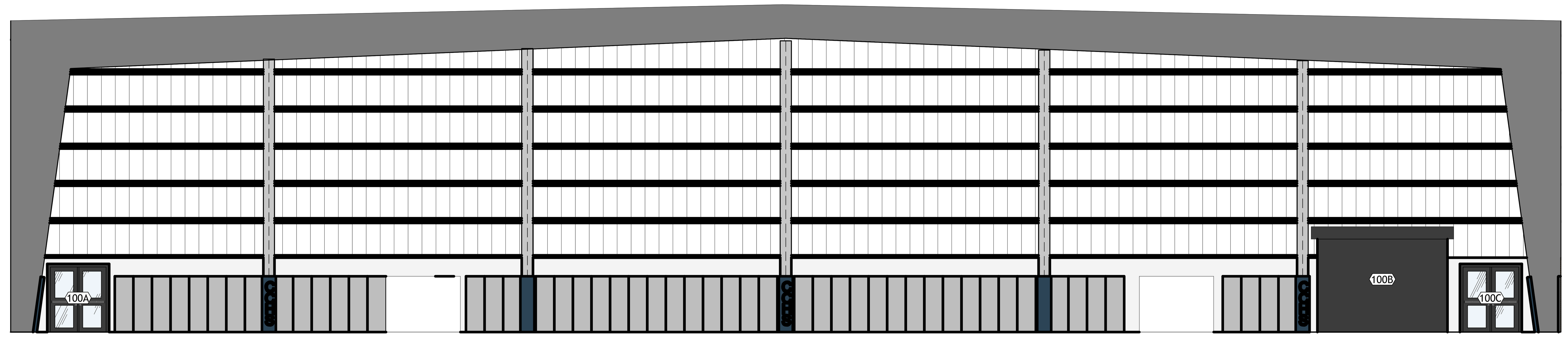
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

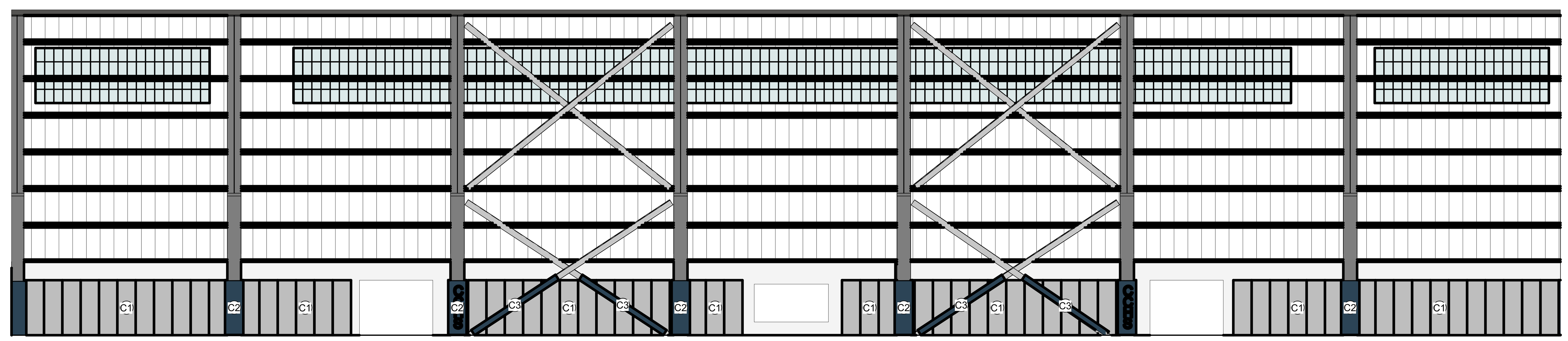
ENLARGED TURF FIELD

SHEET NUMBER

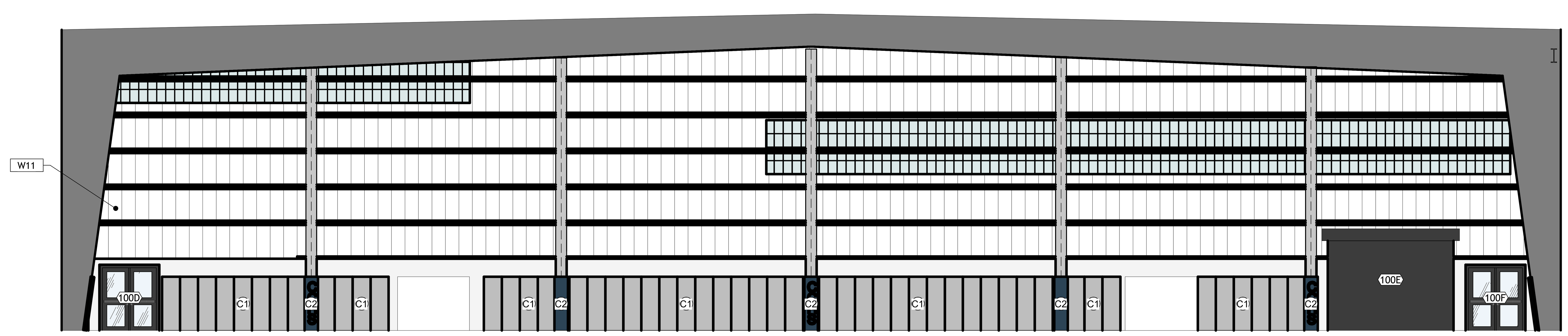
A816



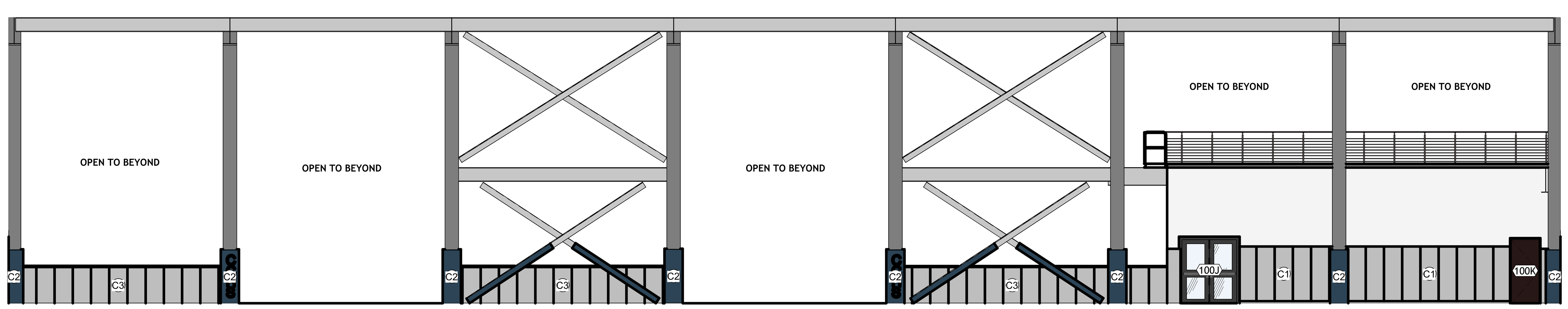
A2 TURF FIELD 100 - A
A817 | SCALE: 1/8" = 1'-0"



C2 TURF FIELD 100 - B
A817 | SCALE: 1/8" = 1'-0"



D2 TURF FIELD 100 - C
A817 | SCALE: 1/8" = 1'-0"



E2 TURF FIELD 100 - D
A817 | SCALE: 1/8" = 1'-0"

KEYNOTES

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET **A003** FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION
DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
ENLARGED TURF FIELD

SHEET NUMBER
A817

CODE ANALYSIS & BUILDING CRITERIA

BUILDING OCCUPANCY ANALYSIS

	CCHS FIELDHOUSE
Area (S.F.)	36,981 SF
Design Occupancy Level 1	1,987
Design Occupancy Level 2	229
Total Design Occupancy	2,216

PATH LEGEND

COMMON PATH — EGRESS PATH — FEC PATH

DEFERRED SUBMITTALS

Fire Protection Sprinkler Drawings - Section 211310

Fire Alarm Drawings - Section 283123

DEFERRED SUBMITTALS ARE TO BE MADE IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE 2018 INTERNATIONAL BUILDING CODE. DEFERRED SUBMITTAL DOCUMENTS SHALL RESUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED. THE DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE BUILDING OFFICIAL HAVING JURISDICTION PRIOR TO INSPECTIONS. THE WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

FINISHES ANALYSIS

Roof Table 1505	
Provided	Class A
Interior Walls & Ceilings	
Provided @ Egress Enclosures & passages	Class B
Provided @ Corridors & other exit ways	Class C
Provided @ Room & Enclosures	Class C
Interior Floors	
Provided	Class 1 & 2

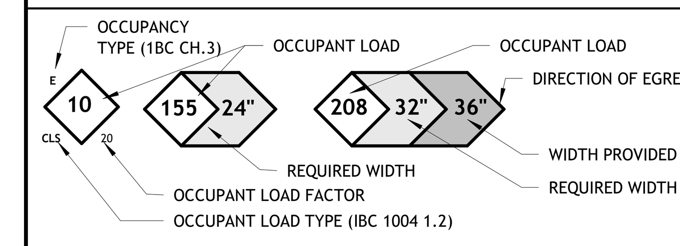
BUILDING EGRESS ANALYSIS

	CCHS FIELDHOUSE
Required Points of Egress Table 1006.3.2	4
Actual points of Egress	7 COMPLIANT
Min. Required Corridor Width Table 1020.2	72"
Actual Min. Corridor Width	72" COMPLIANT
Max. Allowable Dead End	50'
Actual Max. Dead End	0' COMPLIANT
Max. Allowable Common Path of Egress Table 1006.2.1	75'
Actual Max. Common path of Egress	56' COMPLIANT
Max. Allowable Travel Distance 1017.2	250'
Actual Max. Travel Distance	183' COMPLIANT

CODE ANALYSIS

	CCHS FIELDHOUSE
Occupancy Section 305	E
Construction Type Section 602	II-B
Fire-Sprinkler System Section 903	YES, Fully Sprinkled NFPA 13
Allowable Stories Section 504.4	3
Actual Stories	2 COMPLIANT
Allowable Height 504.4	75'-0"
Actual Height	38'-10" COMPLIANT
Base Allowable Floor Area (A_t) Table 506.2	43,500 SF per story
Non Sprinkled Allowable Area (NS) Table 506.2	14,500 SF
Building Perimeter with Frontage (F) Section 506.3.2	775'-0"
Building Perimeter (P)	775'-0"
Weighted Average Frontage Width (W) Section 506.3.2	30
Frontage Increase Factor (I_f = [F/P-0.25] X W/30) Section 506.3	.75
Total Allowable Area (A_a=A_t +[NS X I_f]) Section 506.2	54,375 SF per story
Actual Main Floor Square Footage	37,872 SF COMPLIANT
Actual Upper Floor Square Footage	8,800 SF COMPLIANT
Total Area	46,672 SF

OCCUPANCY/EXITING LEGEND



LOAD TYPE	LOAD FACTOR	LOAD TYPE	LOAD FACTOR
ACC	300 gross	EXE	50 gross
AGG	300 gross	FAB	200 gross
HAN	500 gross	IND	100 gross
TER	20 gross	TRT	240 gross
BAC	300 gross	OUT	100 gross
BAH	100 gross	SLP	120 gross
CON	15 gross	KIT	200 gross
GAM	11 gross	RED	50 net
EXH	30 net	STA	100 gross
FIX	see section 1004.6	LOC	50 gross
CHR	7 net	MAL	see section 402.8.2
STD	5 net	MER	60 gross
UNC	15 net	STO	300 gross
BOW	7 net	PRK	200 gross
BUS CON CRT	150	RES	200 gross
		REC	50 gross
DAY	35 net	DEC	15 gross
DOR	50 gross	STG	15 net
CLS	20 net	WAR	500 gross
VOC	50 net	*** PER FIRE MARSHALL	35 net

OCCUPANCY TYPES

A1, A2, A3, A4, A5	ASSEMBLY
B	BUSINESS
E	EDUCATIONAL
F1, F2	FACTORY AND INDUSTRIAL
H1, H2, H3, H4, H5	HIGH HAZARD
11, 12, 13, 14	INSTITUTIONAL
M	MERCANTILE
R1, R2, R3, R4	RESIDENTIAL
S1, S2	STORAGE
U	UTILITY AND MISCELLANEOUS

PLUMBING FIXTURE ANALYSIS (IBC 2021)

Building to be an auxiliary building of existing. Occupancy from existing facility.

Required Water Closet Male	0	
Provided Water Closet Male	5	COMPLIANT
Required Water Closet Female	0	
Provided Water Closet Female	5	COMPLIANT
Required Water Closet Unisex	0	
Provided Water Closet Unisex	6	COMPLIANT
Required Lavatories Male	0	
Provided Lavatories Male	4	COMPLIANT
Required Lavatories Female	0	
Provided Lavatories Female	4	COMPLIANT
Required Lavatories Unisex	0	
Provided Lavatories Unisex	6	COMPLIANT
Required Drinking Fountains	0	
Provided Drinking Fountains	2	COMPLIANT
Required Service Sinks	0	
Provided Service Sinks	1	COMPLIANT

EGREES TRAVEL PATH (ALT)

Type	Egress Path Length
COMMON PATH (ALT) 2-1	55'-6 1/8"
COMMON PATH (ALT) 2-2	50'-7 1/2"
EGRESS PATH (ALT) 1-1	112'-9 1/2"
EGRESS PATH (ALT) 2-1	183'-1 3/8"
EGRESS PATH (ALT) 2-2	147'-7 1/2"

FIRE EXTINGUISHER LEGEND

- BRACKET MOUNTED
- SEMI-RECESSED
- SEMI-RECESSED CABINET WITH TYPE K EXTINGUISHER

APPLICABLE CODES AND STANDARDS

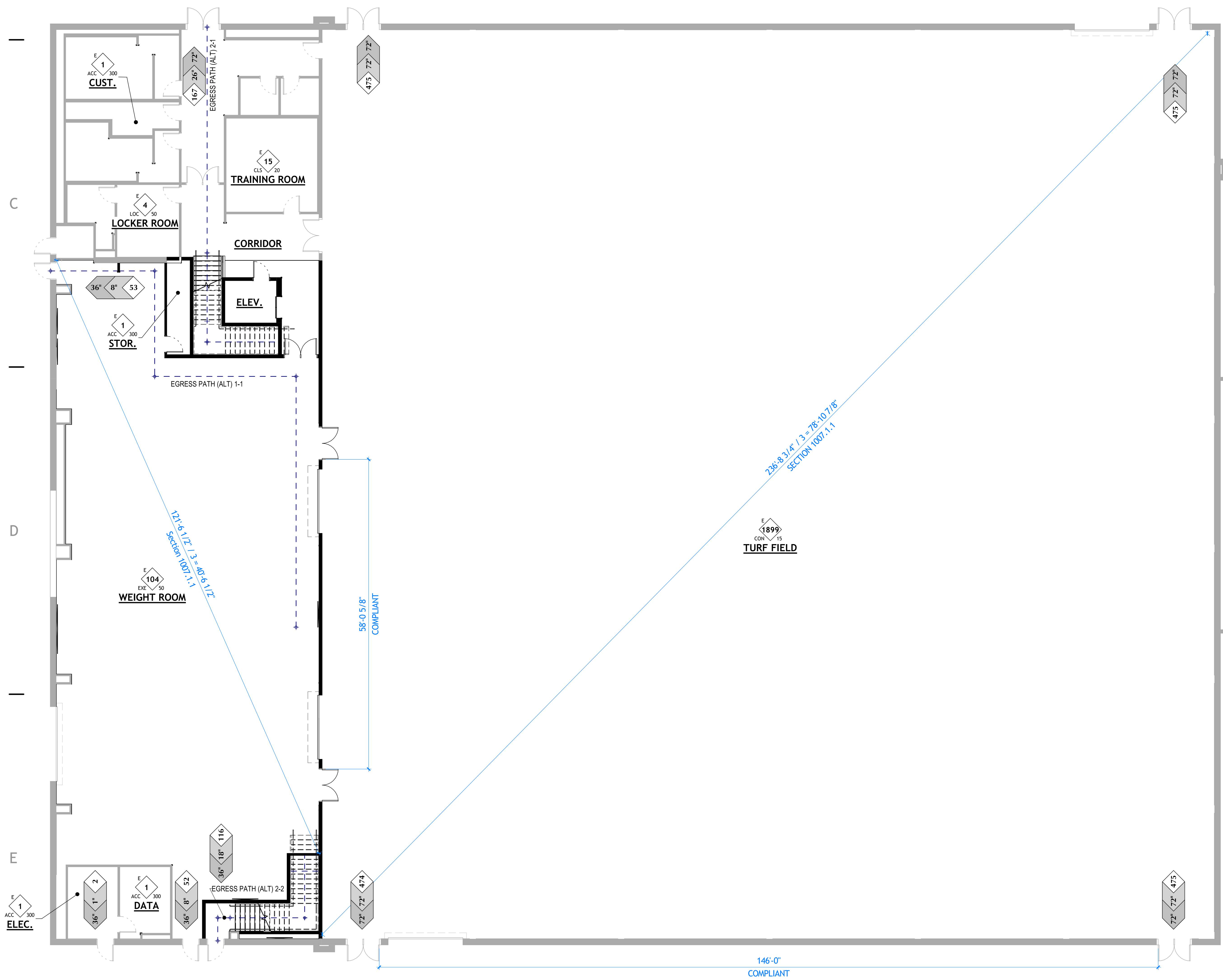
- *2021 INTERNATIONAL BUILDING CODE.*
- *2021 INTERNATIONAL FIRE CODE.*
- *2021 INTERNATIONAL MECHANICAL CODE.*
- *2021 INTERNATIONAL PLUMBING CODE*
- *2021 INTERNATIONAL FUEL GAS CODE.*
- *2020 NATIONAL ELECTRICAL CODE.*
- *ASHRAE 90.1 (2018 STANDARD)*
- *ICC 117.1 -2009*
- NFPA 101 - LIFE SAFETY CODE, 2009 EDITION
- UTAH STATE CODE AMENDMENTS, EFFECTIVE 1 JULY 2023

SEPARATION LEGEND

- ONE-HOUR VERTICAL EXTERIOR ENCLOSURE (FIRE BARRIER).
- ONE-HOUR FIRE PARTITION.
- TWO-HOUR FIRE PARTITION (FIRE BARRIER).
- SMOKE PARTITION.INCIDNTAL USE RESITANT TO SMOKE PASSAGE
- ONE-HOUR FIRE SEPARATION.(CEILING)
- ##' COMMON PATH OF TRAVEL TO EXIT
- ##' PATH OF TRAVEL TO EXIT
- ##' DEAD END

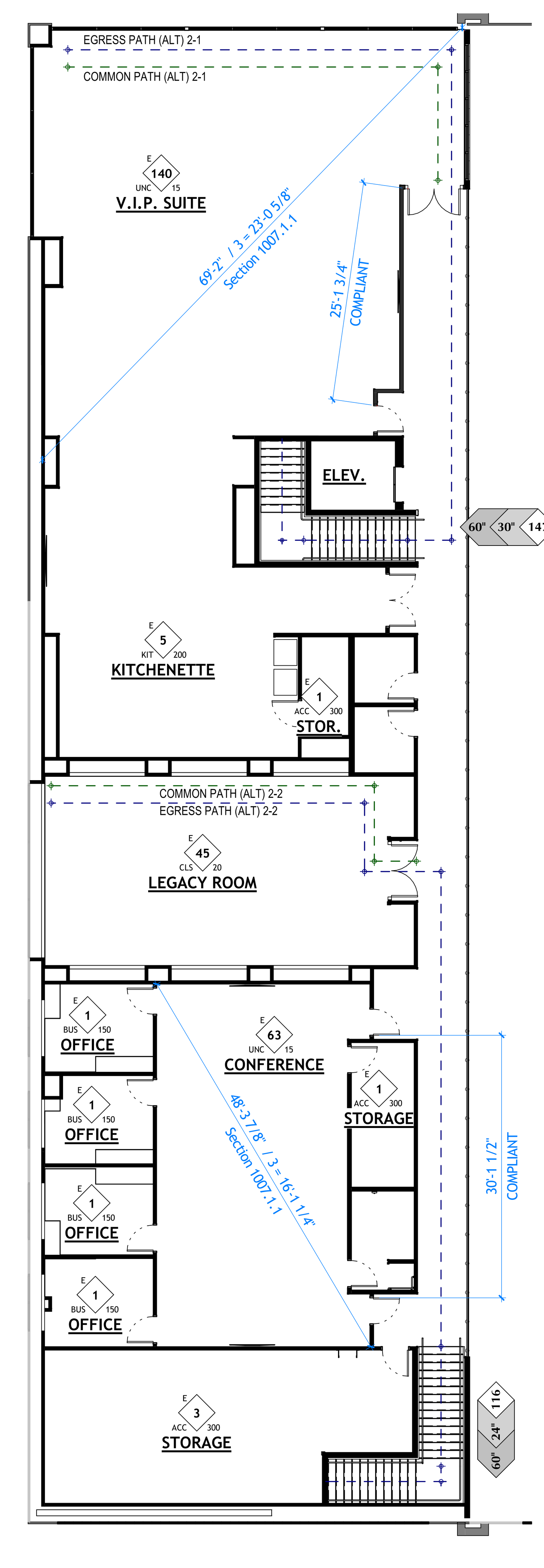
NOTE:

2-HR SEPARATION WALLS SHALL CONSIST OF MASONRY; FIRE RATED DOORS, SMOKE AND FIRE DAMPERS AND ALL OTHER REQUIRED ELEMENTS TO CREATE A COMPLETED FIRE ASSEMBLY.



LEVEL 1 LIFE SAFETY PLAN - ALTERNATIVE

A900 | SCALE: 3/32" = 1'-0"



LEVEL 2 LIFE SAFTEY PLAN - ALTERNATIVE

A900 | SCALE: 3/32" = 1'-0"

GENERAL NOTES

A. SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.

B. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH PRE-FORMED MINERAL WOOL OR SOLID GROUT. SEE WALL TYPES AND SECTIONS FOR TYPCIAL DETAILS.

C. THIS PROJECT SHALL BE INSTALLED ACCORDING TO THE LATEST EDITON OF THE FOLLOWING STANDARDS AND AMENDMENTS TO THEM AS ADOPTED BY THE AUTHORITY HAVING JURSIDICTION.
- IBC (International Building Code)
- NEC (National Electrical Code)
- NFPA (National Fire Protection Association)
- UL (Underwriters Laboratories, Inc.)
- NEMA (National Electrial manufactuer's Association)
- IFC (International Fire Code)
- IECC (International Energy Conservation Code)
- IEC (international Electrical Code)
- State and Local Buildign Authority and Code

D. REFER TO SPECIFICAION SECTION 078413-7 THRU 078413-10 FOR PENETRATION AND FIRE STOPPING REQUIRMENTS.

CORE ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT CURTIS LELAND LIVINGSTON No. 10606440 STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

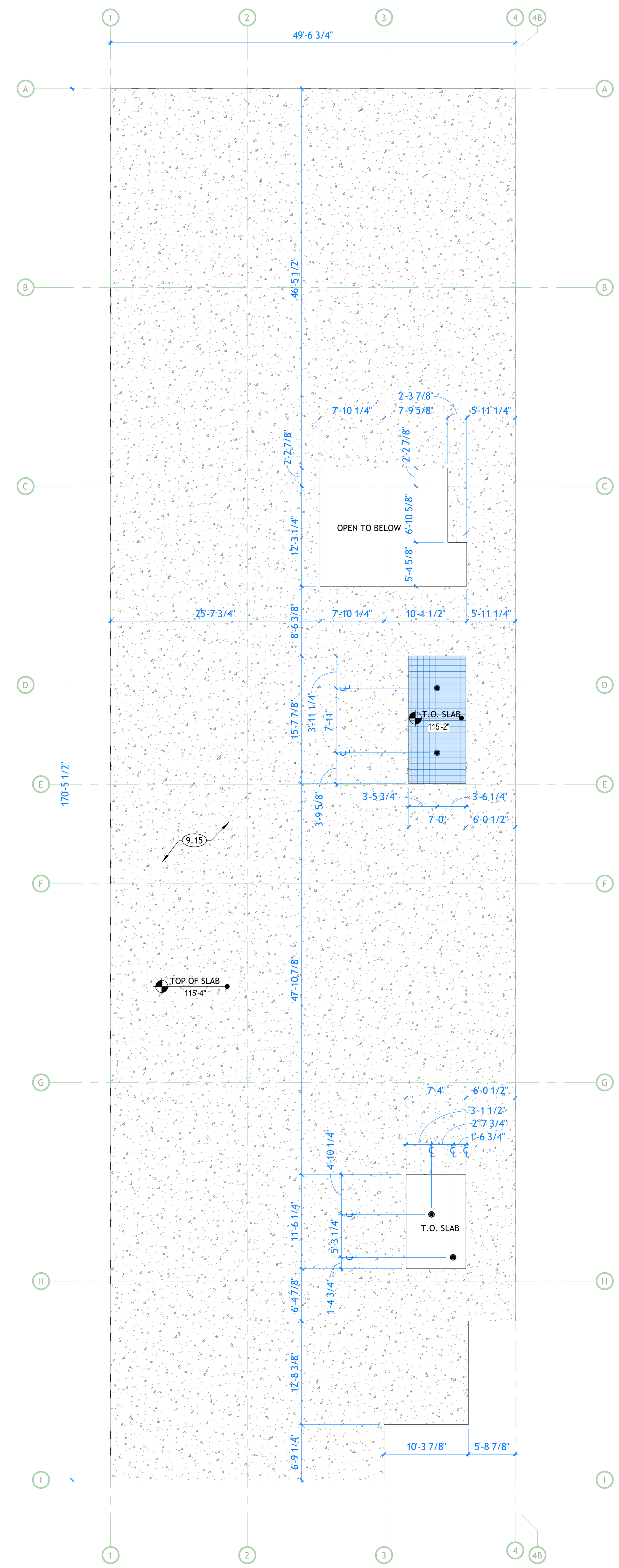
CODE COMPLIANCE PLAN

SHEET NUMBER

A900

KEYNOTES

9.15 CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.



RECESSED SLAB LEGEND

– 2" RECESS FOR CERAMIC TILE

NOTE:
CONTRACTOR SHALL COORDINATE DIMENSIONS ON THESE PLANS WITH FLOOR PLAN DIMENSIONS AND WALL TYPES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO POURING SLABS OR FOUNDATIONS

GENERAL NOTES

A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF FOUNDATION WALL OR STRUCTURAL SLAB.
B. SEE PLUBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
C. RECOMMEDATIONS FOUND IN GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
D. SEE STRUCTURAL SHEETS FOR FOUNDATION AND SLAB SIZES AND REINFORCING.
E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

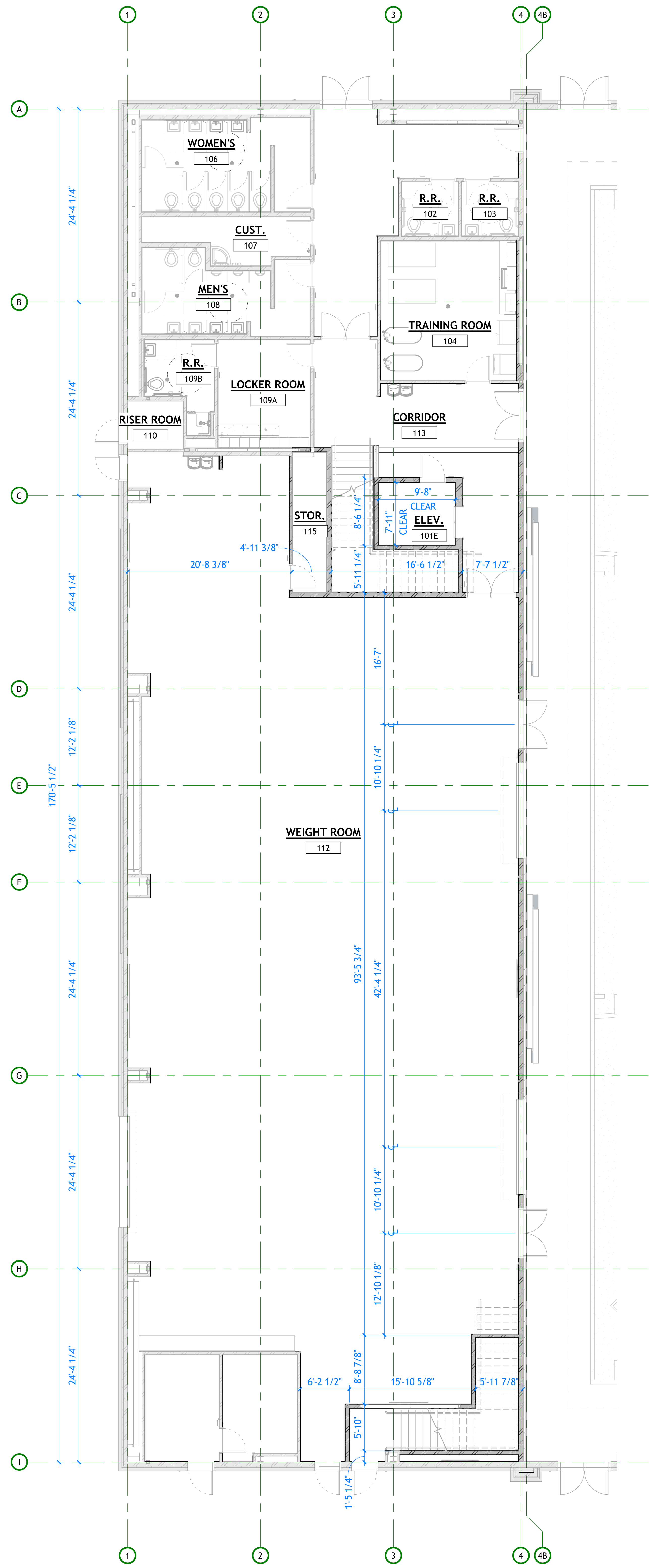
SHEET TITLE

ALTERNATE - SLAB PLAN

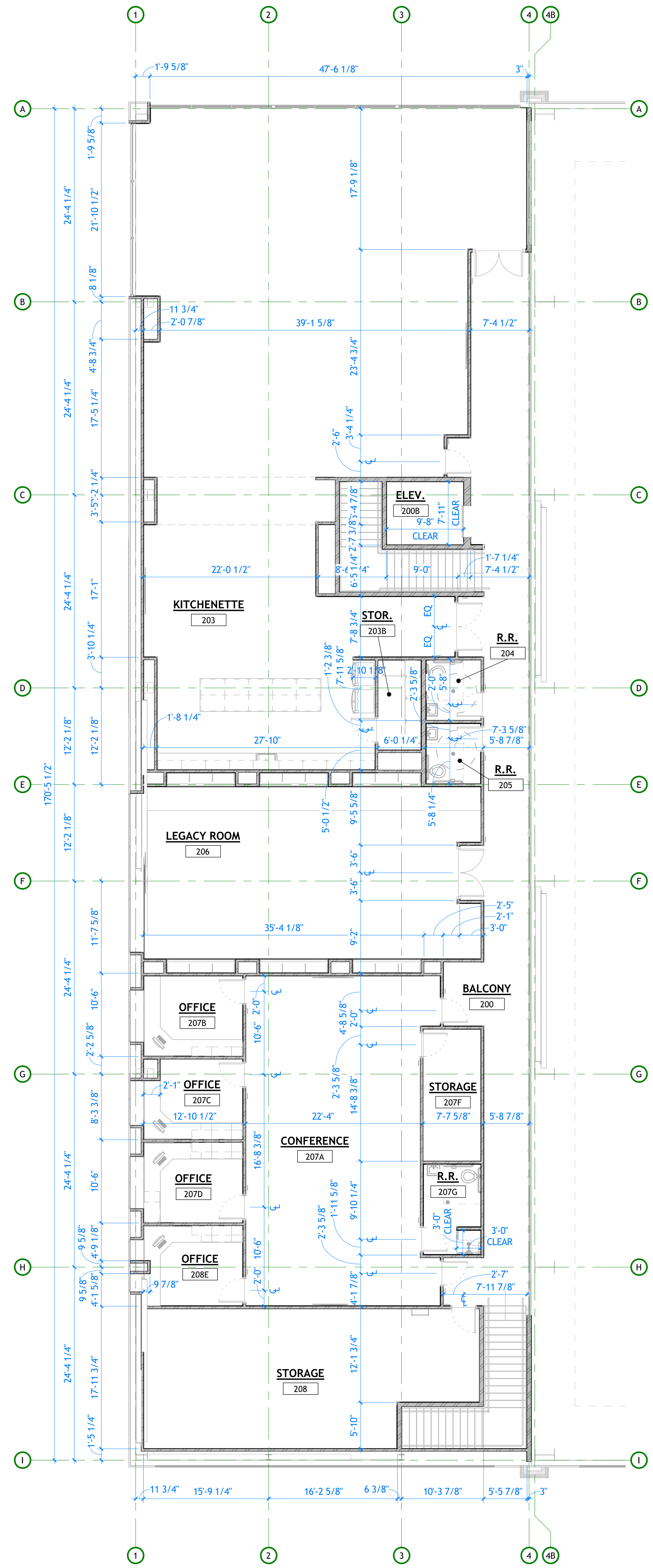
SHEET NUMBER

A905

KEYNOTES



FLOOR PLAN - DIMENSION MAIN FLOOR PLAN - ALTERNATIVE
A910 | SCALE: 1/8" = 1'-0"



FLOOR PLAN - DIMENSION UPPER FLOOR PLAN - ALTERNATIVE
A910 | SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
   - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE),
   - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
N. SEE A110 FOR WALL TYPES.
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDAM SPRAY INSULATION. SEE SPECS.
V. **FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.**
W. DO NOT SCALE DRAWINGS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

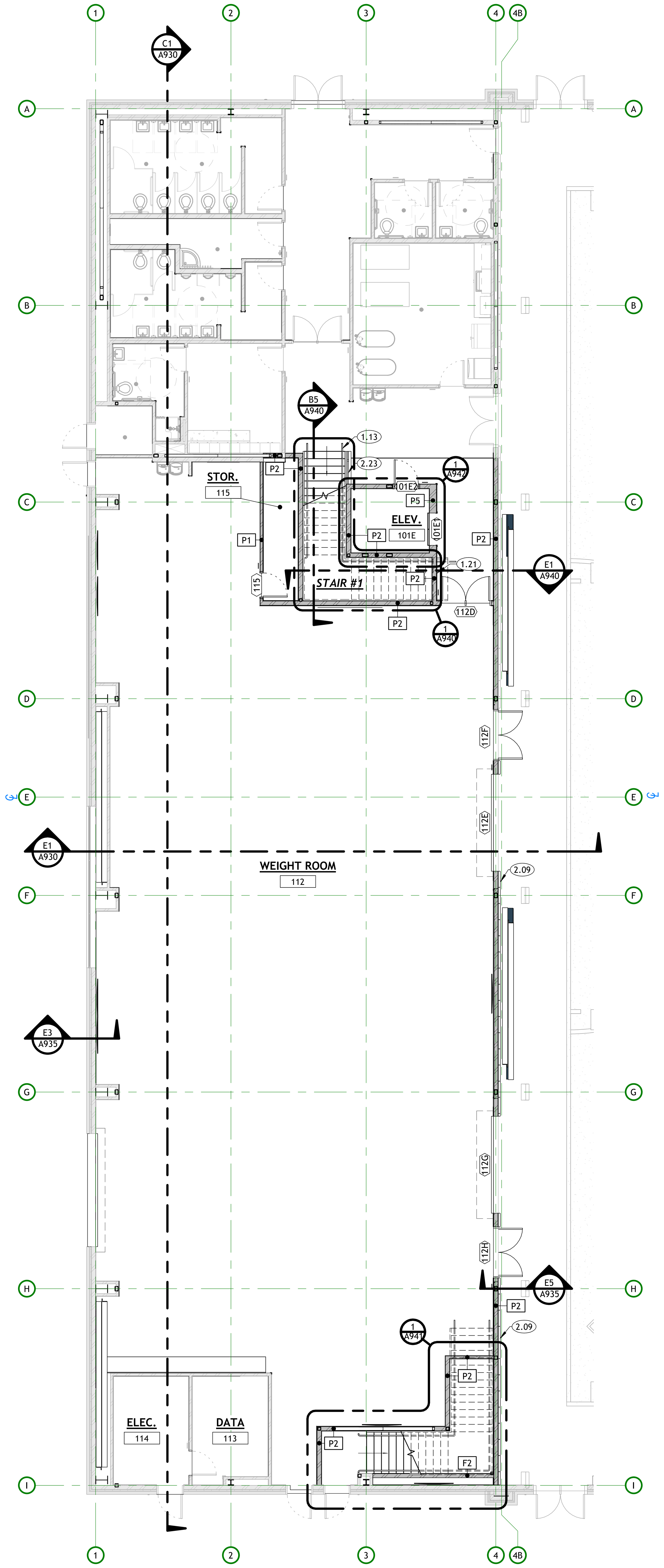
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - OVERALL DIMENSION PLAN

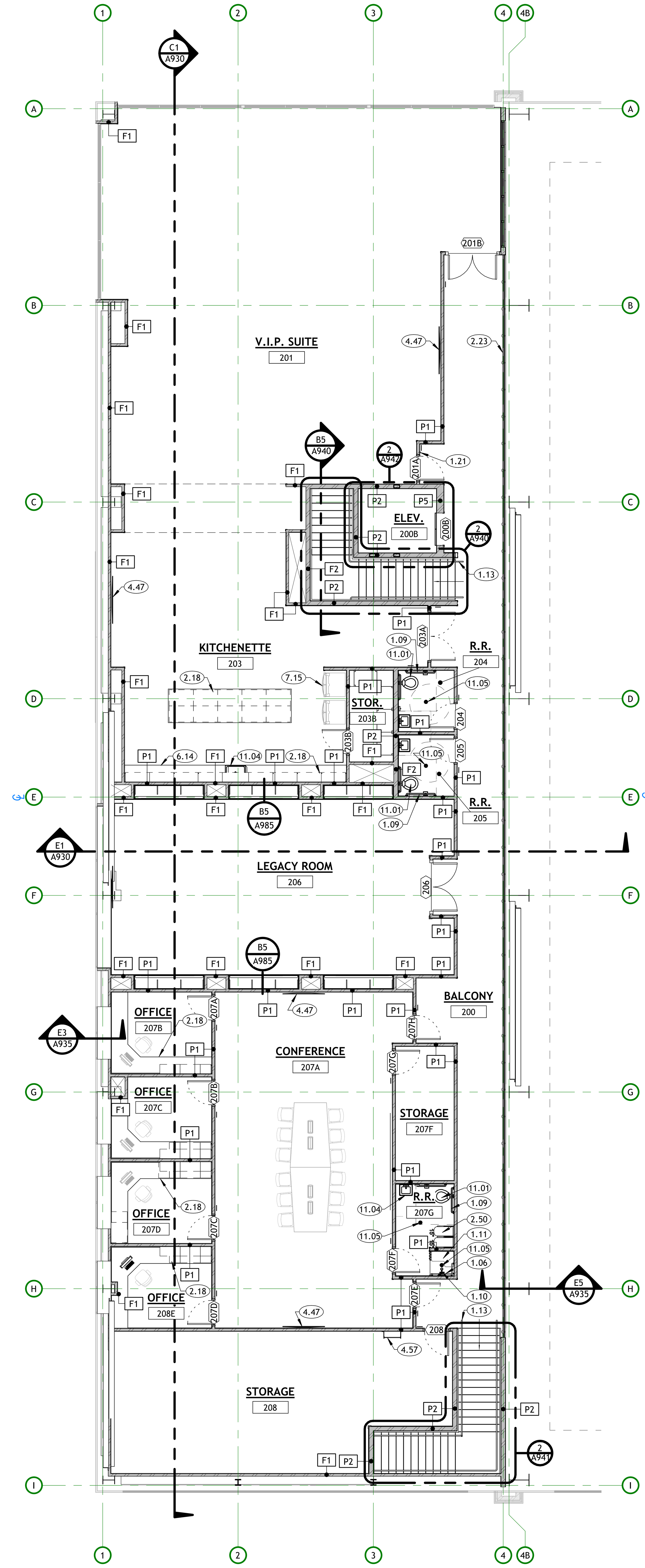
SHEET NUMBER

A910



FLOOR PLAN - OVERALL MAIN FLOOR PLAN - ALTERNATIVE

A911 | SCALE: 1/8" = 1'-0"



FLOOR PLAN - OVERALL UPPER MAIN FLOOR PLAN - ALTERNATIVE

A911 | SCALE: 1/8" = 1'-0"

KEYNOTES

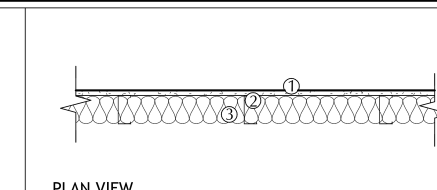
1.06	ADA COMPLIANT 36" HORIZONTAL GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.09	ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.10	ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
1.11	ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
1.13	ADA COMPLIANT HANDRAIL 36" ABOVE FINISHED FLOOR. SEE RAILING DETAILS.
1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.09	6'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
2.18	ARCHITECTURAL MILLWORK. SEE FURNISHING PLANS, INTERIOR ELEVATIONS AND SPECIFICATIONS.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
2.50	METAL GRID TEAM LOCKERS. SEE SPECIFICATIONS.
4.47	TELEVISION (CPCI). CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
4.57	ALTERNATE STEEL ACCESS LADDER SEE DETAILS.
6.14	SOLID SURFACE COUNTER TOPS. SEE SPECIFICATIONS.
7.15	REFRIGERATOR WITH FREEZER (N.I.C.)
11.01	TOILET. SEE PLUMBING.
11.04	SINK. SEE PLUMBING.
11.05	FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
   - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE),
   - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
N. SEE A110 FOR WALL TYPES.
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDAM SPRAY INSULATION. SEE SPECS.
V. **FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.**
W. DO NOT SCALE DRAWINGS.

WALL TYPE LEGEND

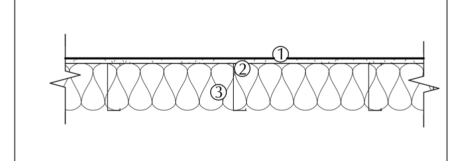
F1



WALL TYPE F1
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 3 5/8" METAL STUD
3. SOUND ATTENUATION BATTS

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

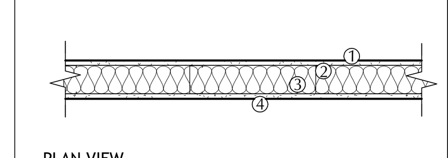
F2



WALL TYPE F2
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 6" METAL STUD
3. SOUND ATTENUATION BATTS

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

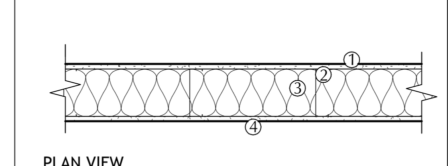
P1



WALL TYPE P1
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 3 5/8" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

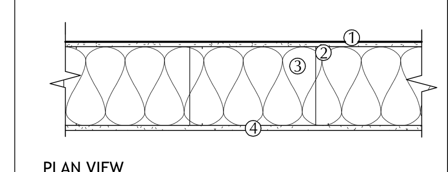
P2



WALL TYPE P2
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 6" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

P5



WALL TYPE P5
FROM EXTERIOR TO INTERIOR
1. 5/8" TYPE "X" GYPSUM BOARD
2. 10" METAL STUD
3. SOUND ATTENUATION BATTS
4. 5/8" TYPE "X" GYPSUM BOARD

*SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

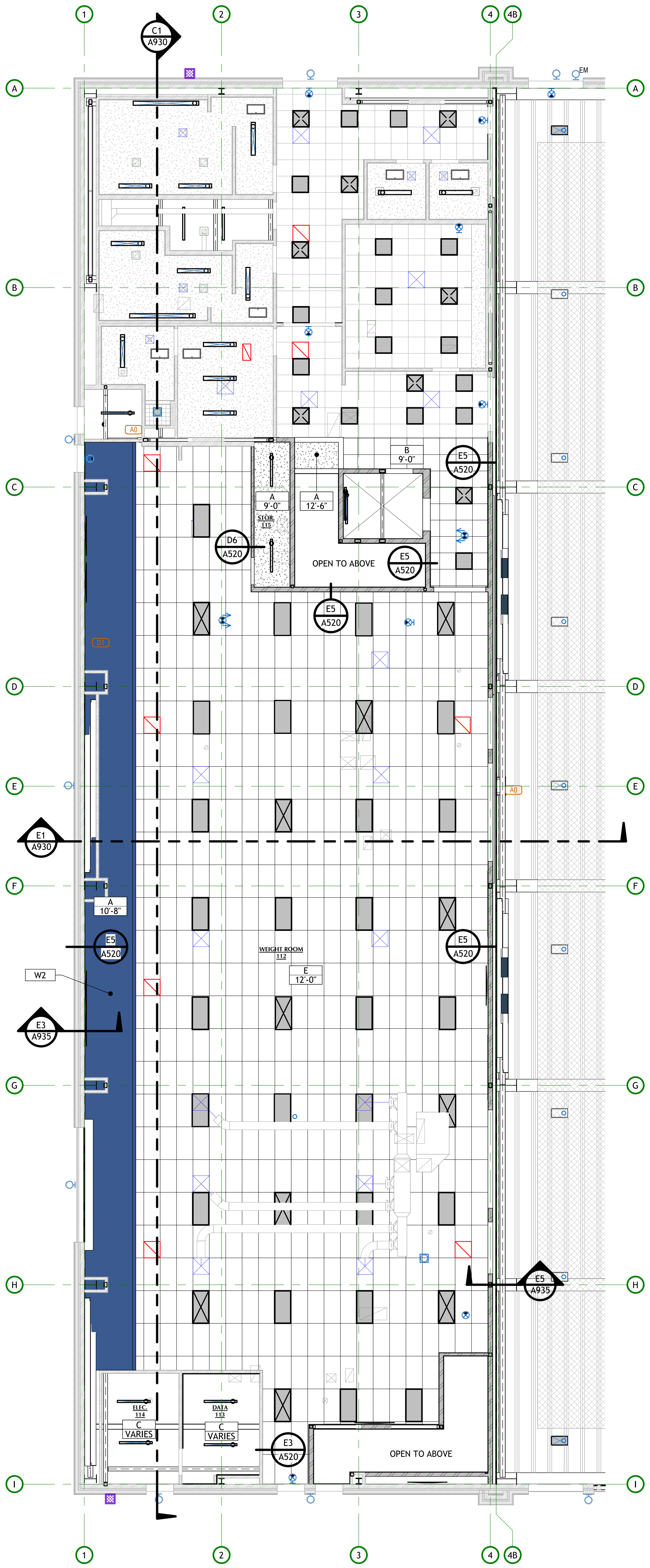
ALTERNATE - OVERALL FLOOR PLANS

SHEET NUMBER

A911

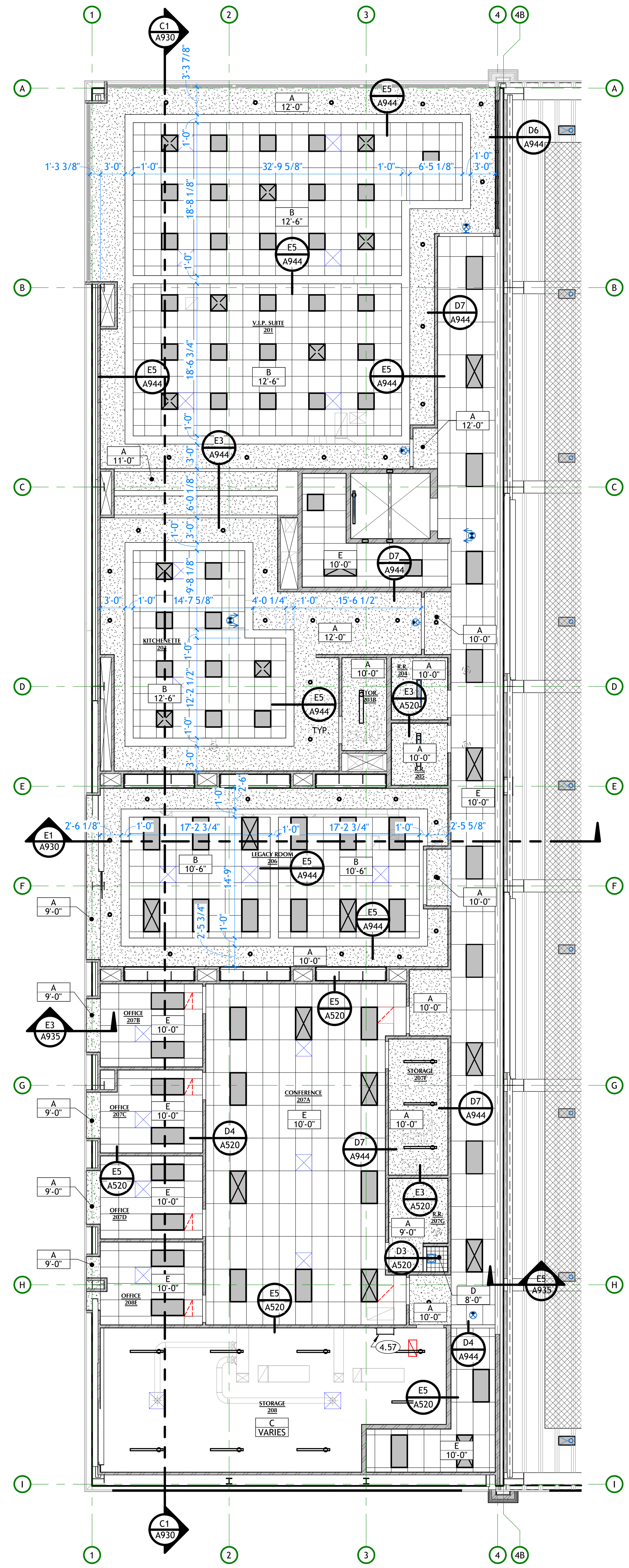
KEYNOTES

4.57 ALTERNATE STEEL ACCESS LADDER SEE DETAILS.



F.H. REFLECTED CEILING PLAN - LEVEL 1 - ALTERNATIVE

A912 | SCALE: 1/8" = 1'-0"



F.H. REFLECTED CEILING PLAN - LEVEL 2 - ALTERNATIVE

A912 | SCALE: 1/8" = 1'-0"

CEILING LEGEND

A	PAINTED 5/8" TYPE "X" GYPSUM BOARD.
B	2x2 SUSPENDED CEILING SYSTEM WITH GRID.
C	FIELD PAINTED EXPOSED DECK, DUCTWORK, PIPING, CONDUITS, ETC. ACCENT PAINTED STEEL STRUCTURE\., SEE SPECIFICATIONS
D	CERAMIC TILE
E	2x4 SUSPENDED CEILING SYSTEM WITH GRID.

GENERAL NOTES

A. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
B. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
C. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
D. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
E. WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
F. ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
G. PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
H. PAINT ALL EXPOSED STEEL JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, SUPPORTS, ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS, TYPICAL.
I. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDET OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
J. ALL CEILING SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

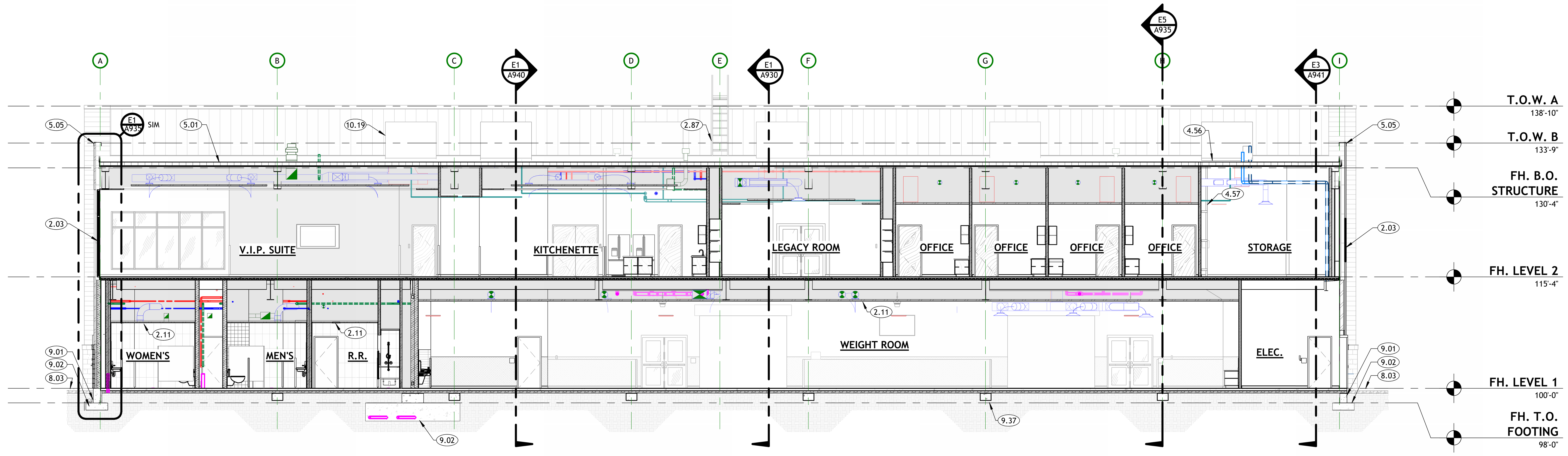
ALTERNATE - REFLECTED CEILING PLANS

SHEET NUMBER

A912

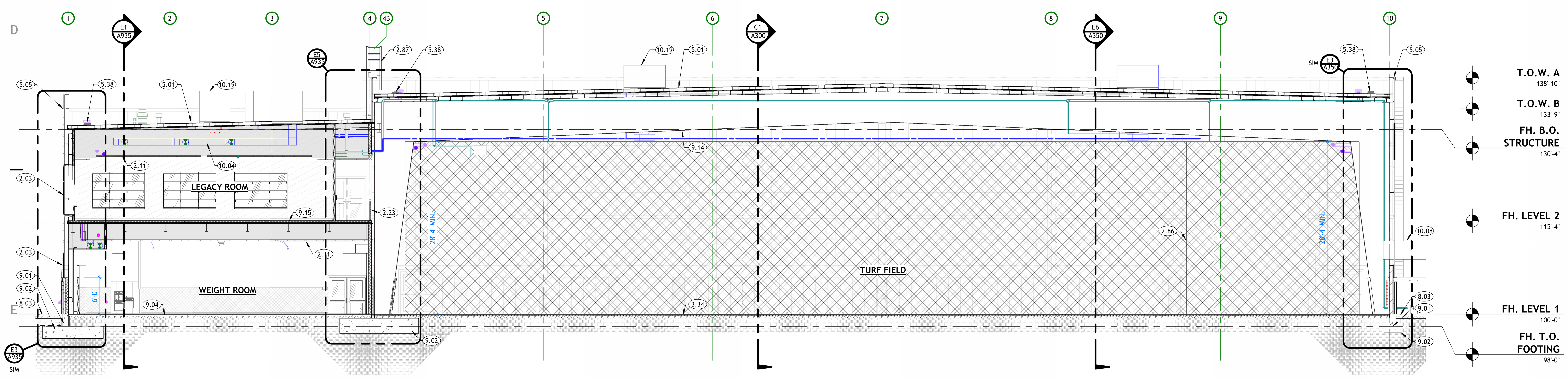
KEYNOTES

2.03	WINDOW. SEE WINDOW TYPES AND SCHEDULE.
2.11	SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
2.86	MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.
2.87	BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
3.34	NEW INDOOR ARTIFICIAL TURF, (NIC0. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
4.56	ALTERNATE ROOF HATCH LOCATION WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL. PATCH AND REPAIR BASE BID ROOF HATCH LOCATION.
4.57	ALTERNATE STEEL ACCESS LADDER SEE DETAILS.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.05	PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
5.38	PRIMARY AND OVERLFOW ROOF DRAIN (TYP.) - SEE MECHANICAL
8.03	CONCRETE SIDEWALK. SEE CIVIL.
9.01	CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.14	PAINTED EXPOSED STRUCTURAL STEEL. SEE STRUCTURAL FOR CONNECTION REQUIREMENTS.
9.15	CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.
9.37	CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.
10.04	DUCTWORK. COORDINATE WITH STRUCTURAL JOISTS TO AVOID CONFLICT WITH TRUNKS. SEE MECHANICAL.
10.08	MECHANICAL EQUIPMENT. SEE MECHANICAL.
10.19	ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



C1 BUILDING SECTION - ALTERNATIVE 2

A930 | SCALE: 1/8" = 1'-0"



BUILDING SECTION - ALTERNATIVE 1

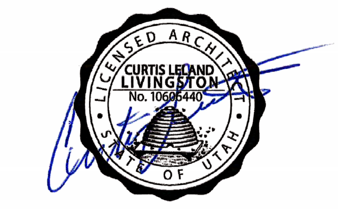
A930 | SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

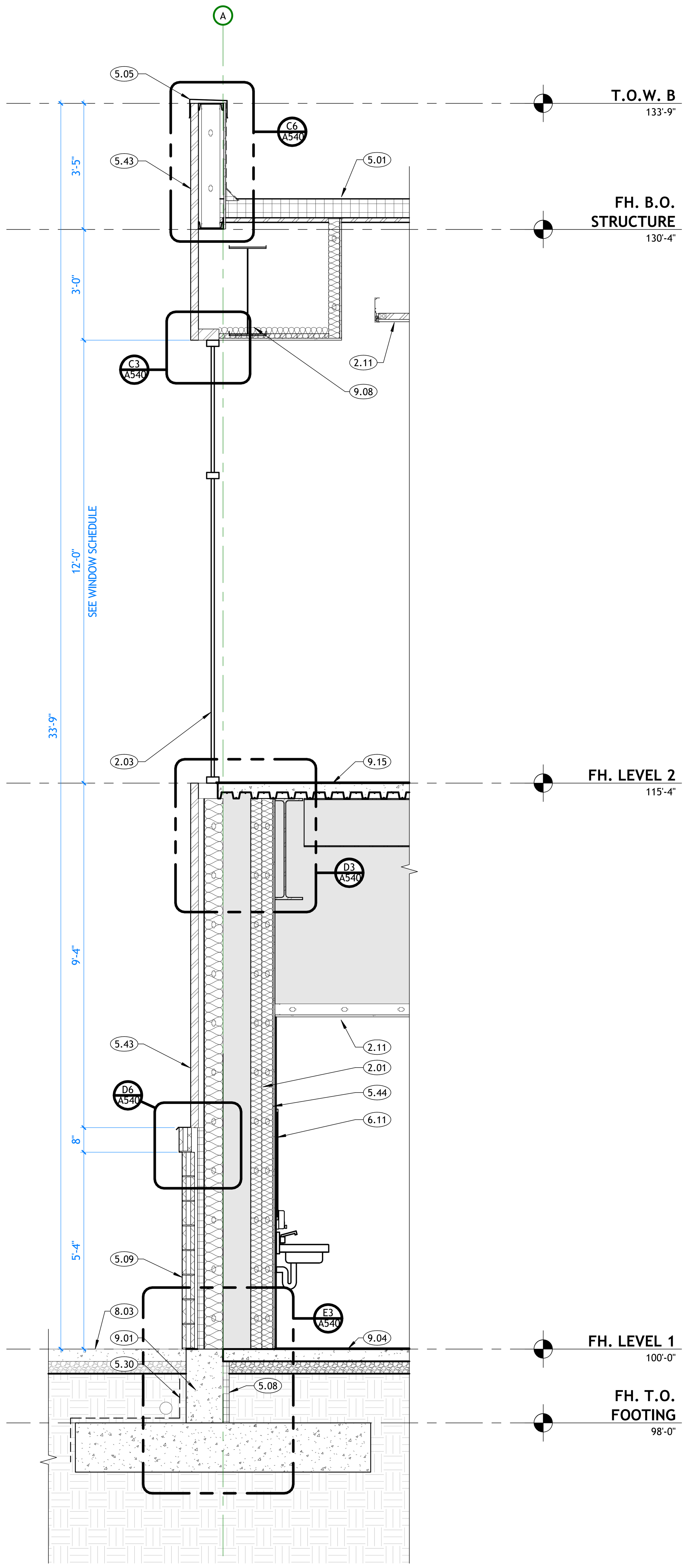
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

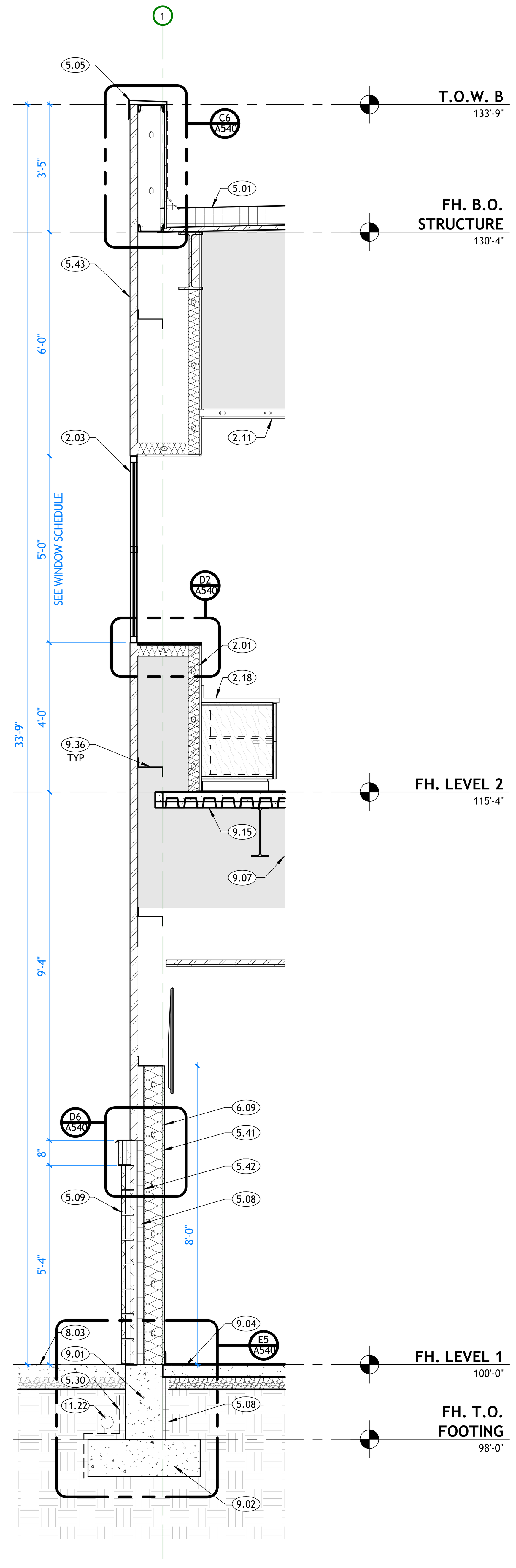
ALTERNATE - BUILDING SECTIONS

SHEET NUMBER

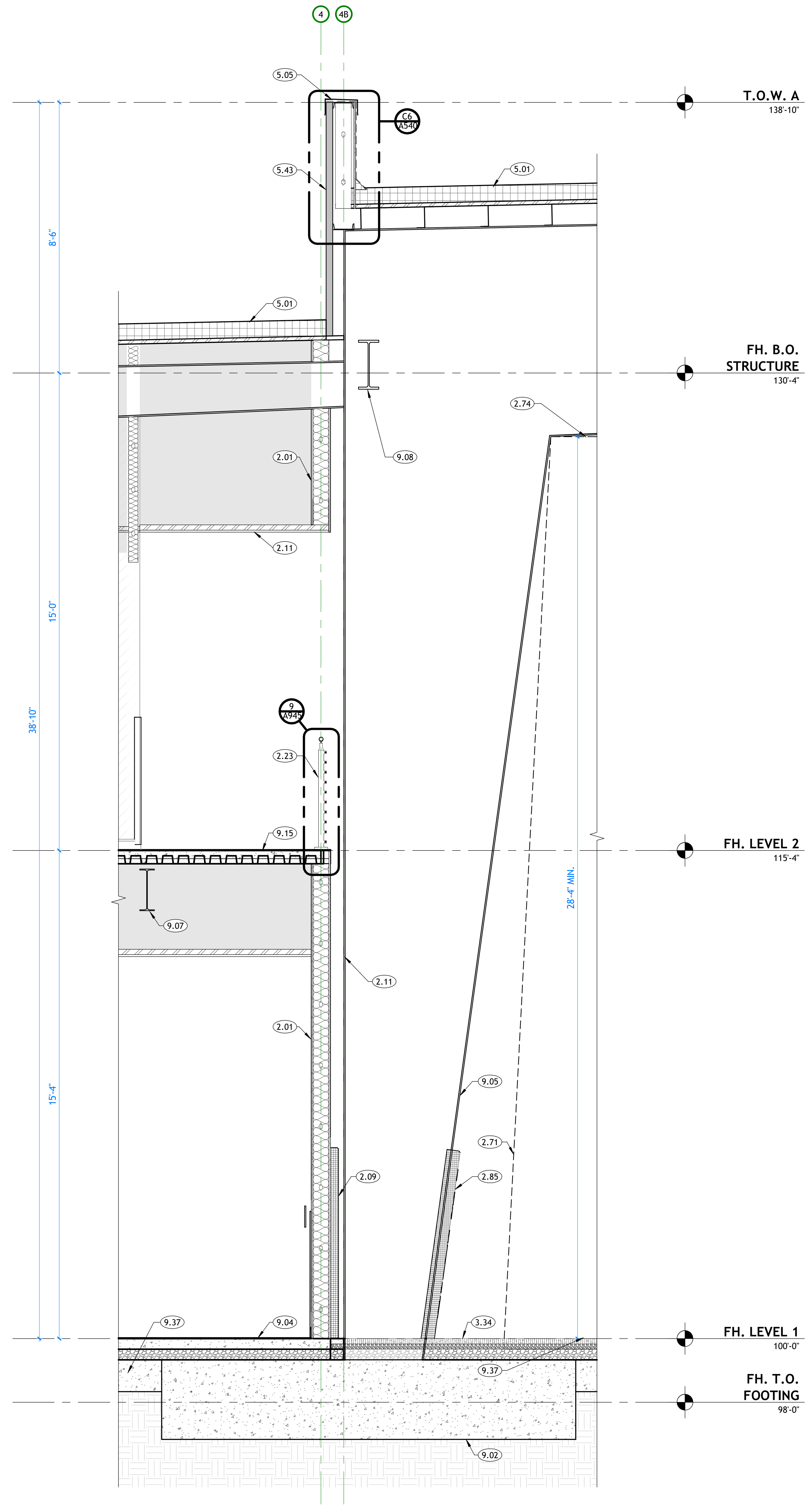
A930



E1 (ALT) WALL SECTION @ WOMEN'S RESTROOM
A935 | SCALE: 1/2" = 1'-0"



E3 (ALT) WALL SECTION @ WEIGHT ROOM
A935 | SCALE: 1/2" = 1'-0"



E5 (ALT) WALL SECTION - WIEGHTROOM & TURF FIELD
A935 | SCALE: 1/2" = 1'-0"

KEYNOTES

2.01	STUD WALL. SEE WALL TYPES.
2.03	WINDOW. SEE WINDOW TYPES AND SCHEDULE.
2.09	6'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
2.11	SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.
2.18	ARCHITECTURAL MILLWORK. SEE FURNISHING PLANS, INTERIOR ELEVATIONS AND SPECIFICATIONS.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
2.71	NETTING, WEIGHTED PERIMETER.
2.74	BATTING CAGE NETTING, FIXED PERIMETER CEILING (C.P.C.I.)
2.85	6'-0" TALL ATHLETIC STRUCTURAL COLUMN PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
3.34	NEW INDOOR ARTIFICIAL TURF, (NIC0. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
5.01	SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
5.05	PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
5.08	2" RIGID INSULATION.
5.09	4" CONCRETE MASONRY VENEER. SEE ELEVATIONS
5.30	WATER PROOFING TYP. AT CONCRETE WALLS. SEE DETAILS AND SPECIFICATIONS.
5.41	6" METAL STUD FRAMING
5.42	5/8" DENSGLASS SHEATHING.
5.43	VERTICAL FLUSH JOINT PANEL. SEE EXTERIOR ELEVATIONS FOR FINISH.
5.44	TYPE 'X' GYPSUM BOARD..
6.09	PAINTED GYP. BOARD. SEE INTERIOR ELEVATIONS AND FINISH PLANS. COLOR TO BE SELECTED BY ARCHITECT.
6.11	TYPICAL RESTROOM TILE PATTERN. SEE INTERIOR ELEVATIONS AND FINISH PLANS FOR PATTERN LAYOUT. FOR TYPE AND COLOR SEE SPECIFICATIONS.
8.03	CONCRETE SIDEWALK. SEE CIVIL.
9.01	CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.02	CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
9.04	CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
9.05	STEEL COLUMN. SEE STRUCTURAL.
9.07	STRUCTURAL STEEL FLOOR JOIST. SEE STRUCTURAL.
9.08	STRUCTURAL STEEL FRAMING. SEE STRUCTURAL.
9.15	CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.
9.36	ALUMINUM Z GIRT FRAMING. SPACING AND QUANITY TO BE DETERMINDED BY PRE-FABRICATION METAL BUILDING CONSULANT.
9.37	CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.
11.22	PERFORATED PERIMETER DRAIN

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

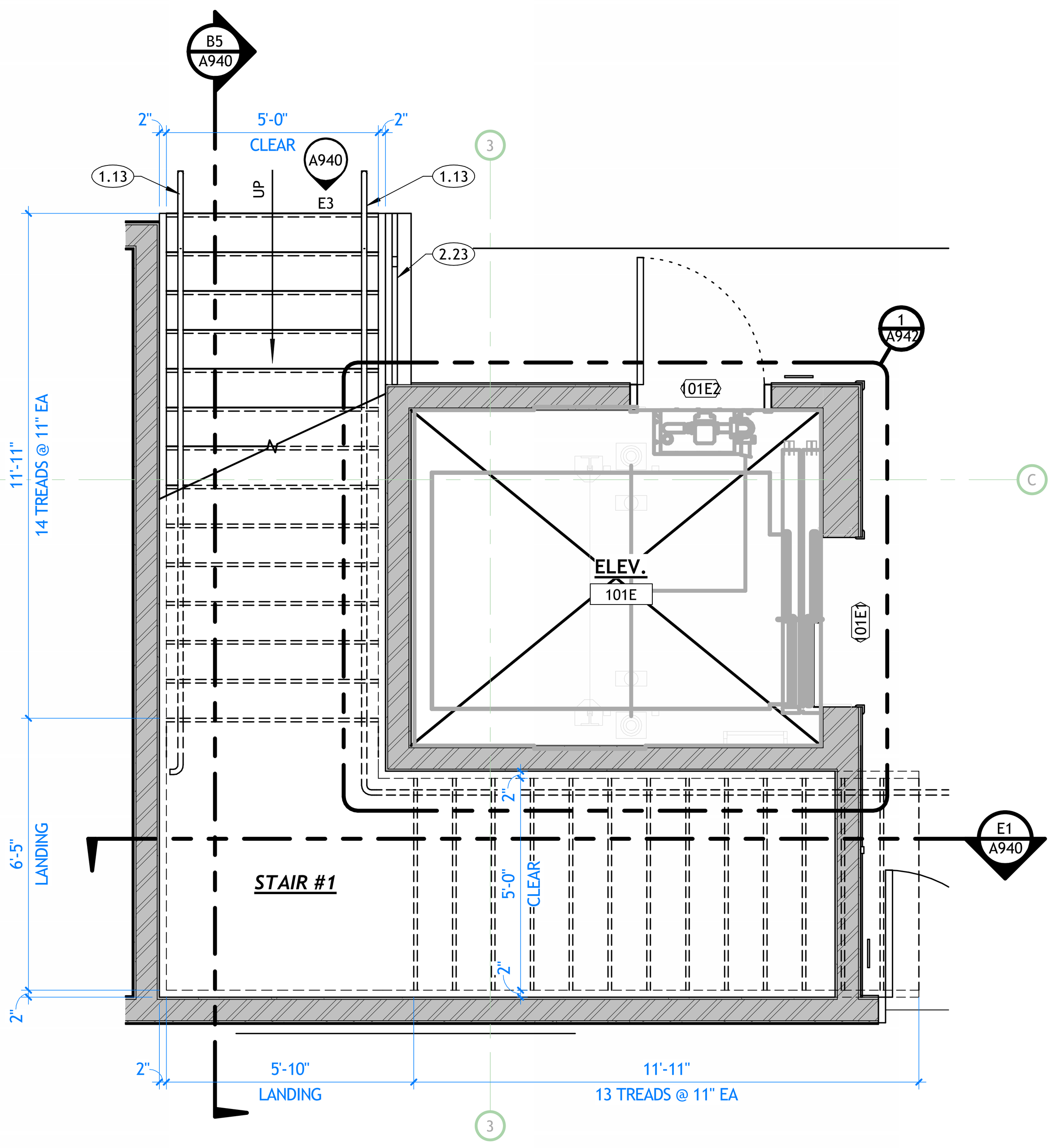
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

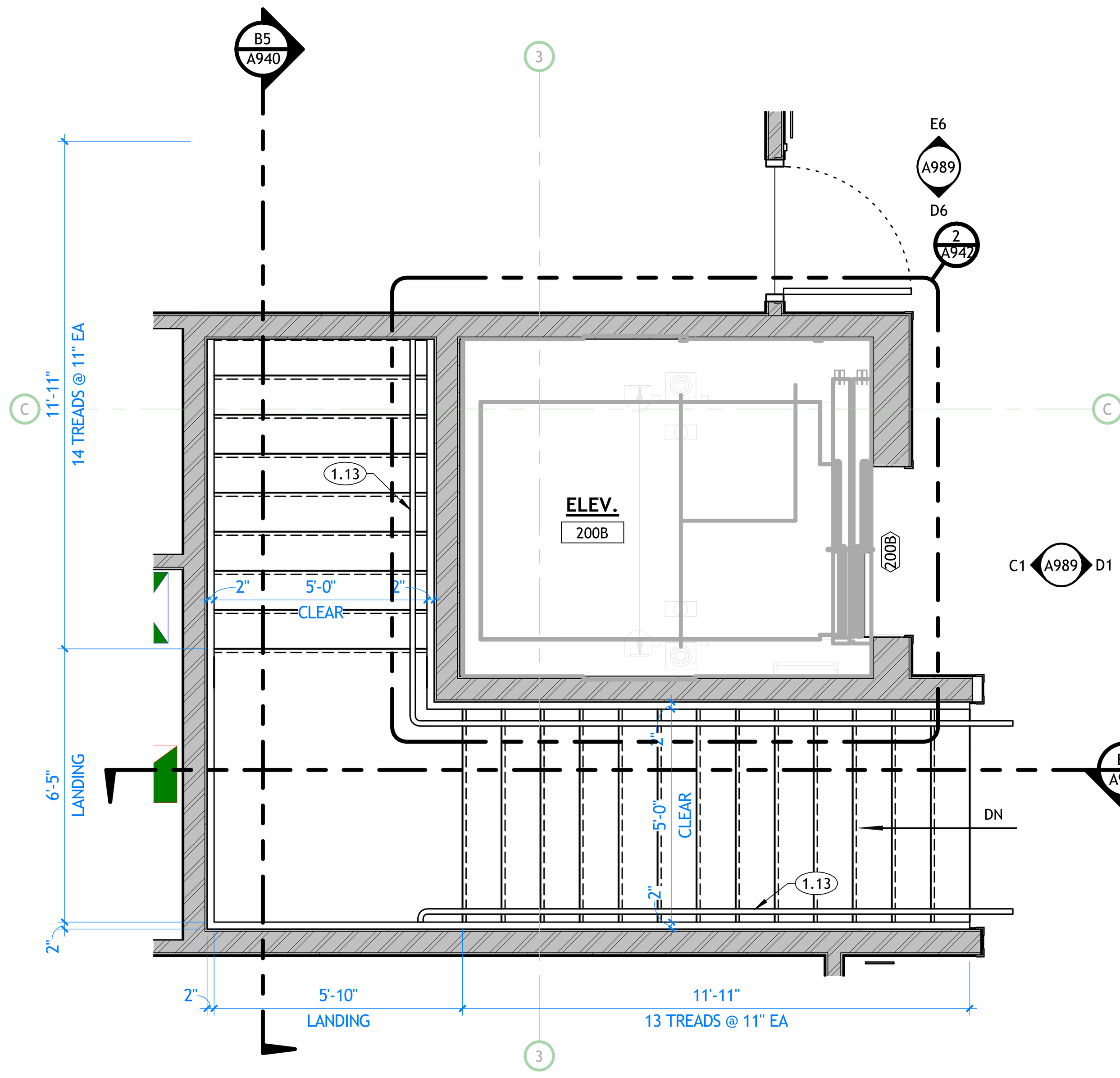
ALTERNATE - WALL SECTIONS

SHEET NUMBER

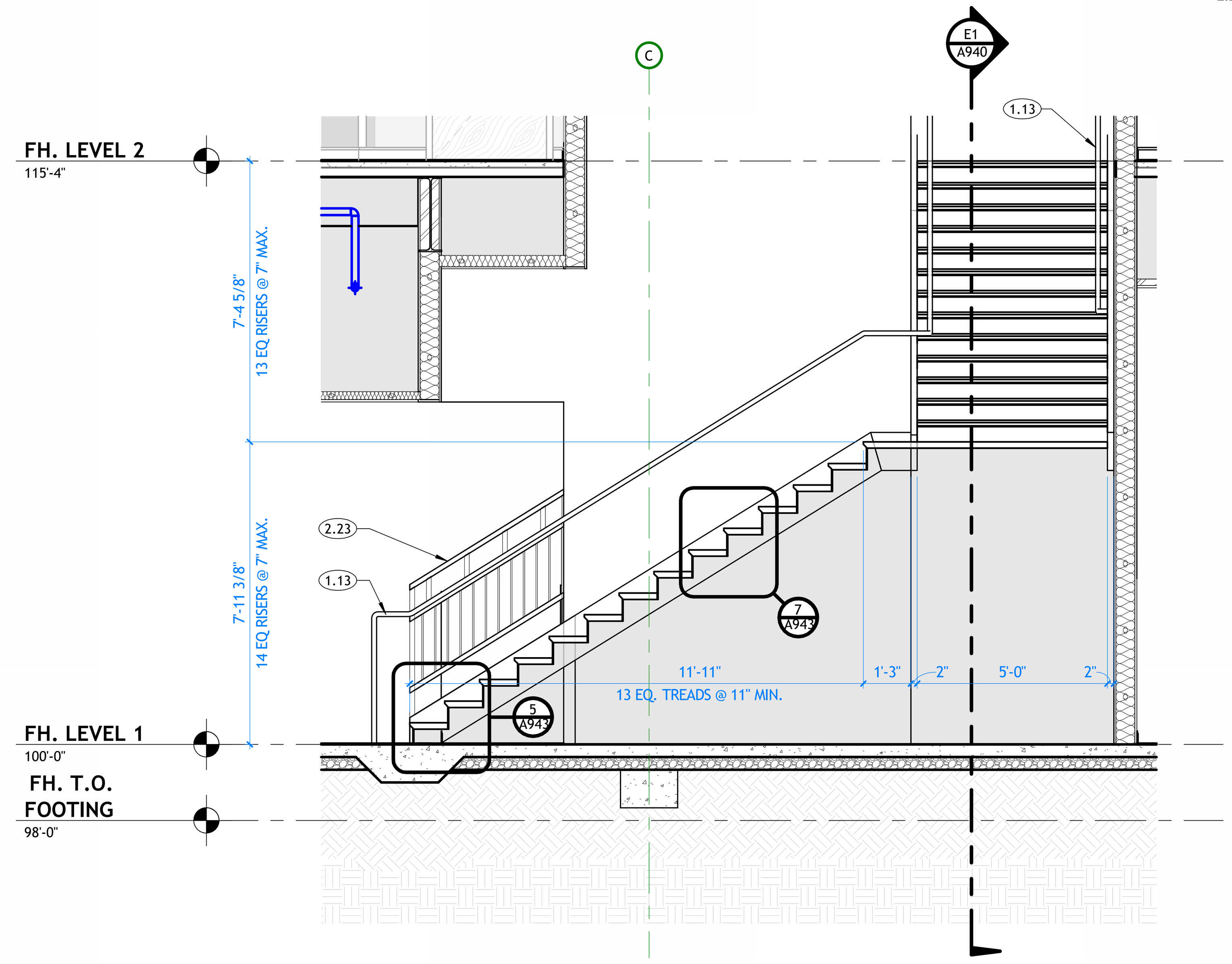
A935



STAIR #1 - MAIN FLOOR PLAN
A940 | SCALE: 3/8" = 1'-0"



STAIR #1 - UPPER FLOOR PLAN
A940 | SCALE: 3/8" = 1'-0"



B5 STAIR #1 - SECTION A
A940 | SCALE: 3/8" = 1'-0"

KEYNOTES

1.13	ADA COMPLIANT HANDRAIL 36" ABOVE FINISHED FLOOR. SEE RAILING DETAILS.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

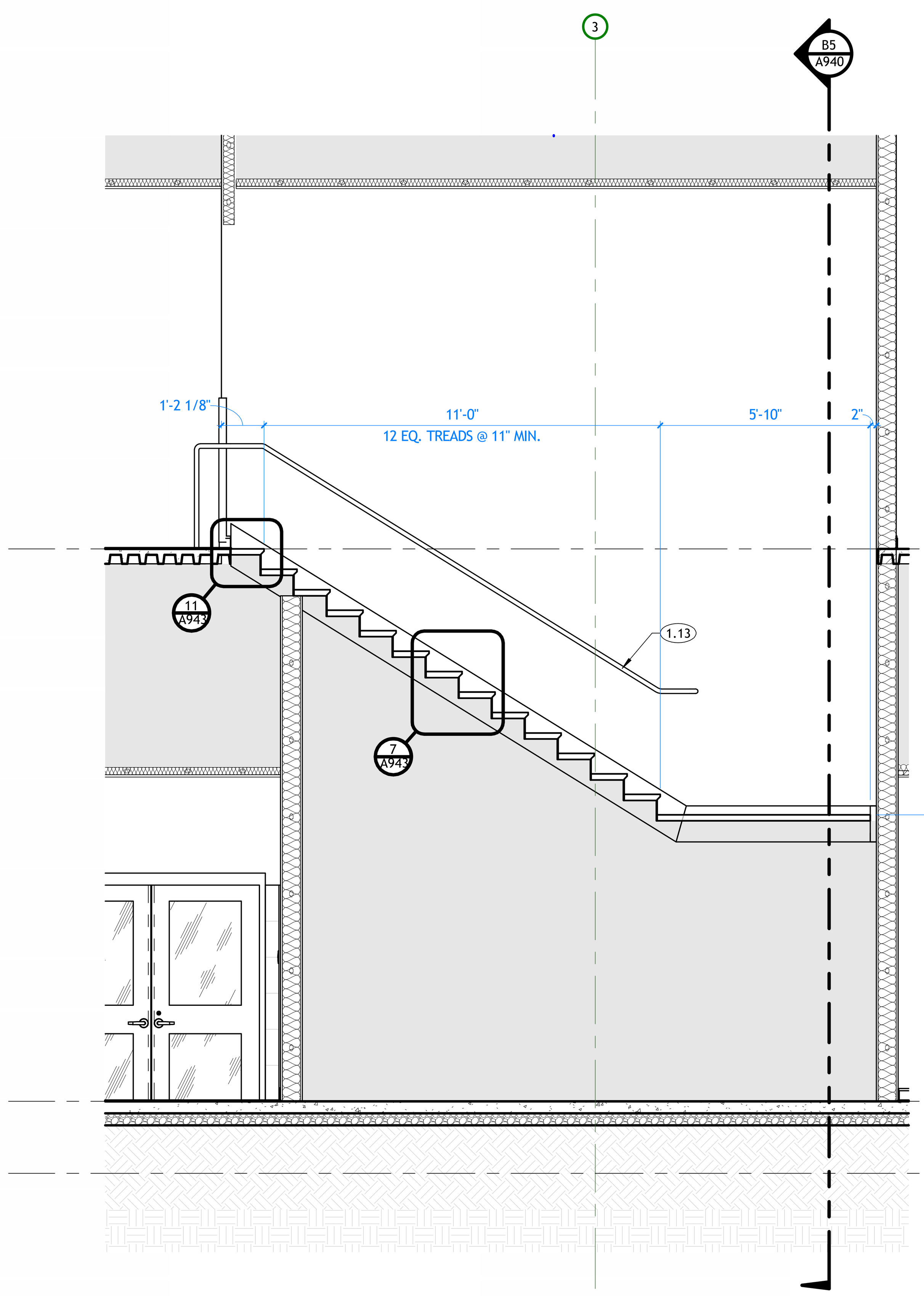
PROFESSIONAL STAMP

LICENSED ARCHITECT CURTIS LELAND LIVINGSTON No. 10606440 STATE OF UTAH

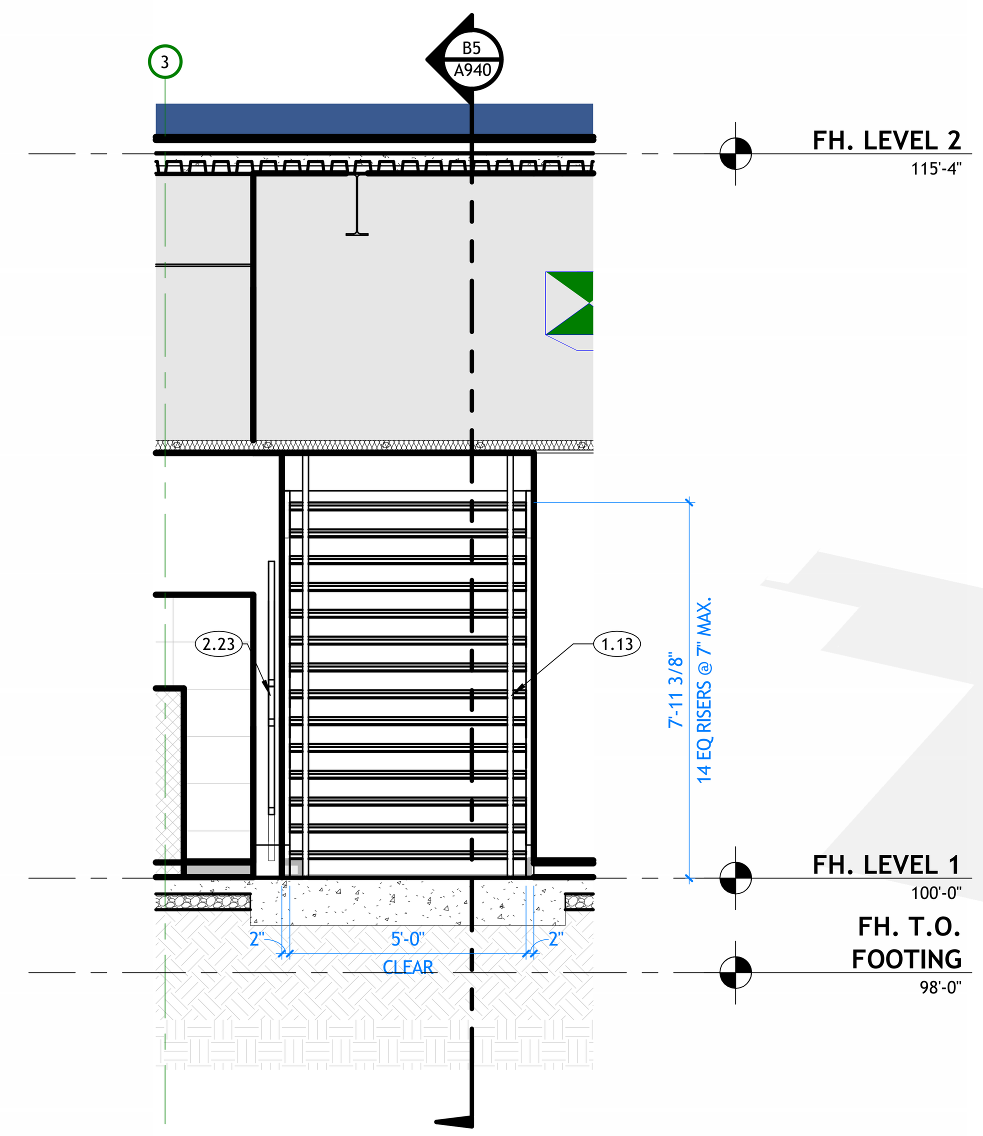
CONSULTANT INFORMATION

OWNER INFORMATION

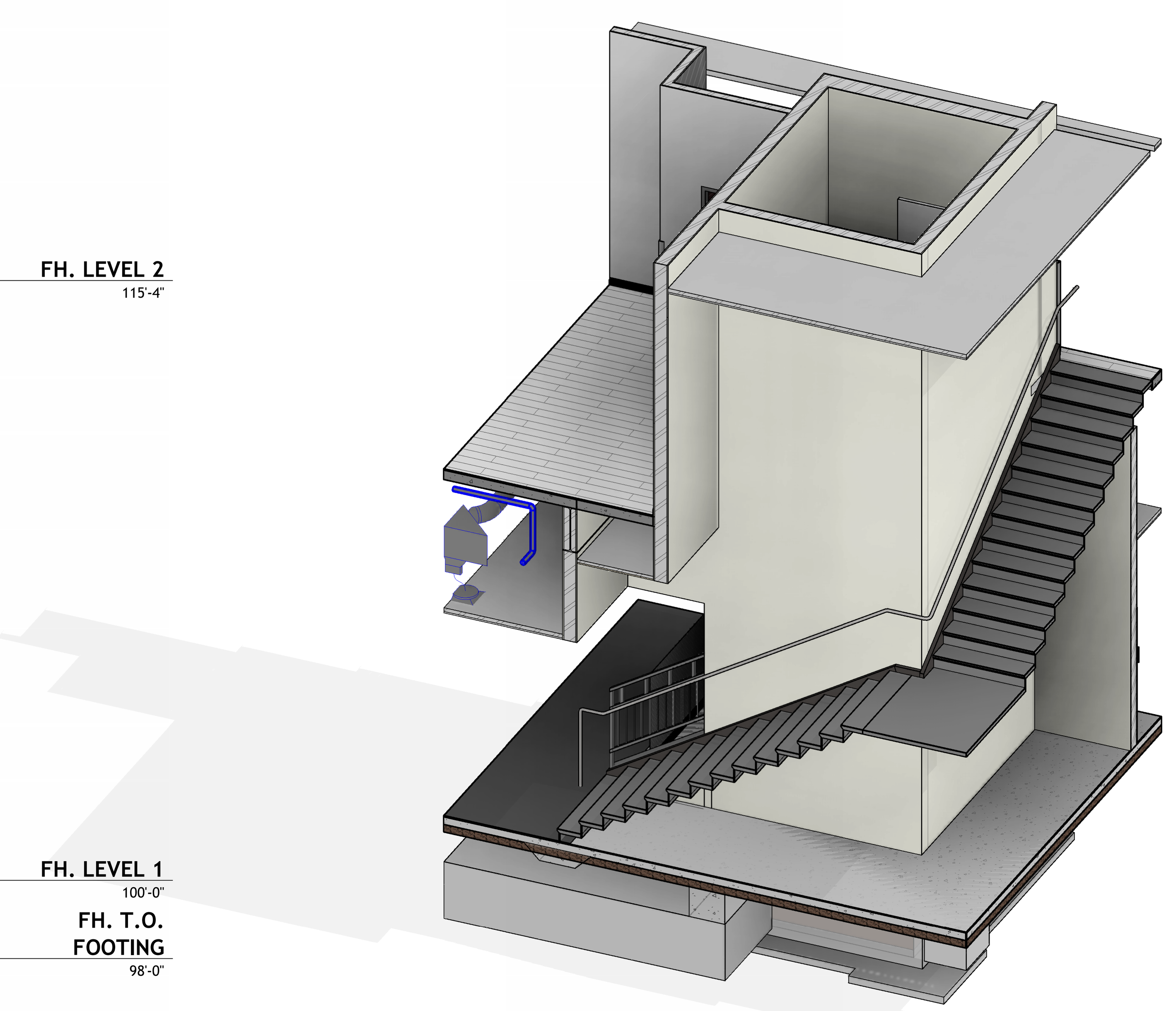
CANYONS SCHOOL DISTRICT



E1 STAIR #1 - SECTION B
A940 | SCALE: 3/8" = 1'-0"



E3 STAIR #1 - ELEVATION A
A940 | SCALE: 3/8" = 1'-0"



E5 STAIR #1 PERSPECTIVE
A940 | SCALE:

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C' AS NOTED ON THE CODE ANALYSIS
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE ABOVE ROOF DECKING.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30' O.C. MAXIMUM.
J. COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
K. PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
L. WALL TYPES ARE ON SHEET A110.
M. SEE A120 SHEETS FOR REFLECTED CEILING PLANS.
N. SEE A800 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
O. ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
P. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
Q. PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

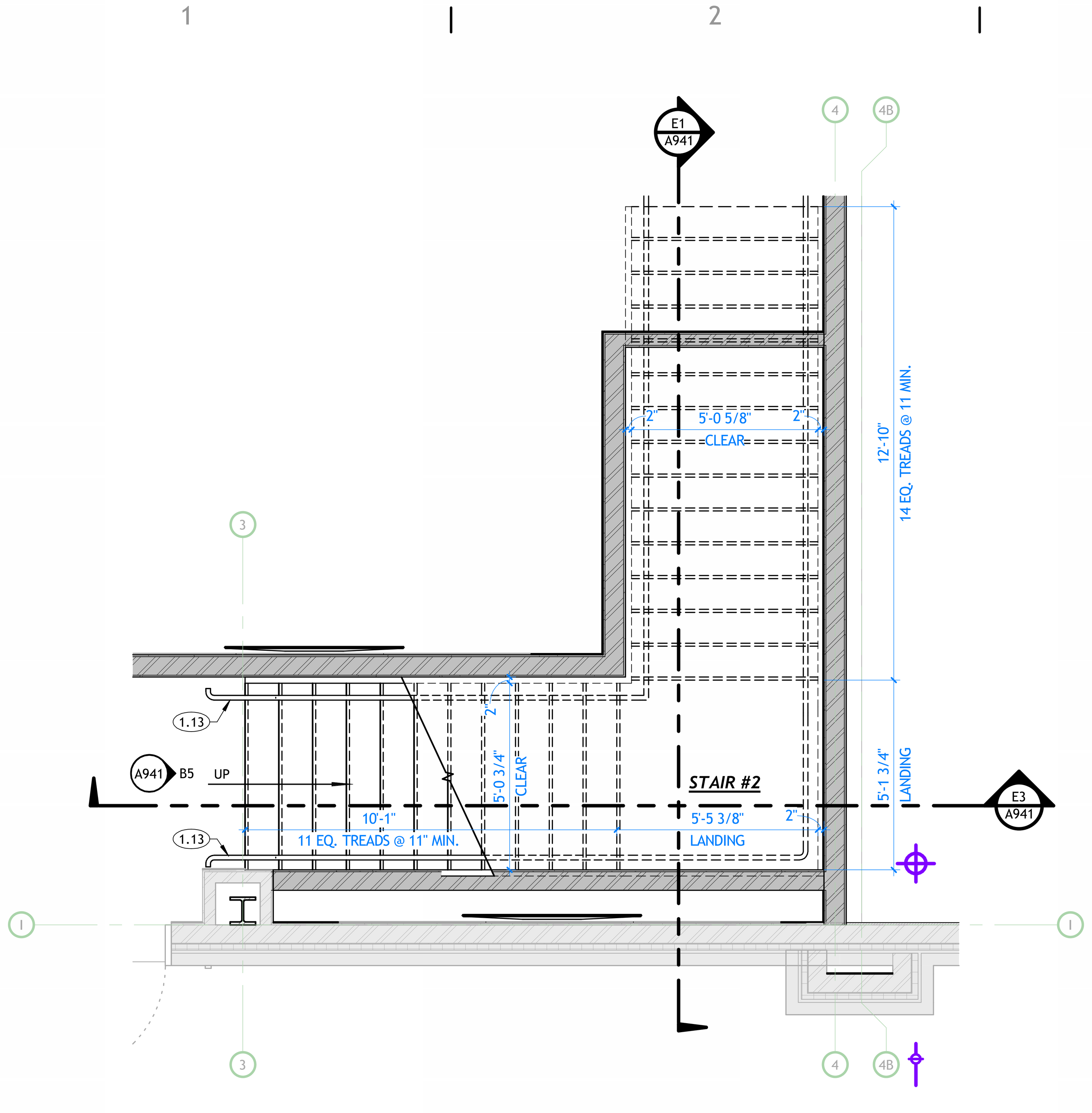
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

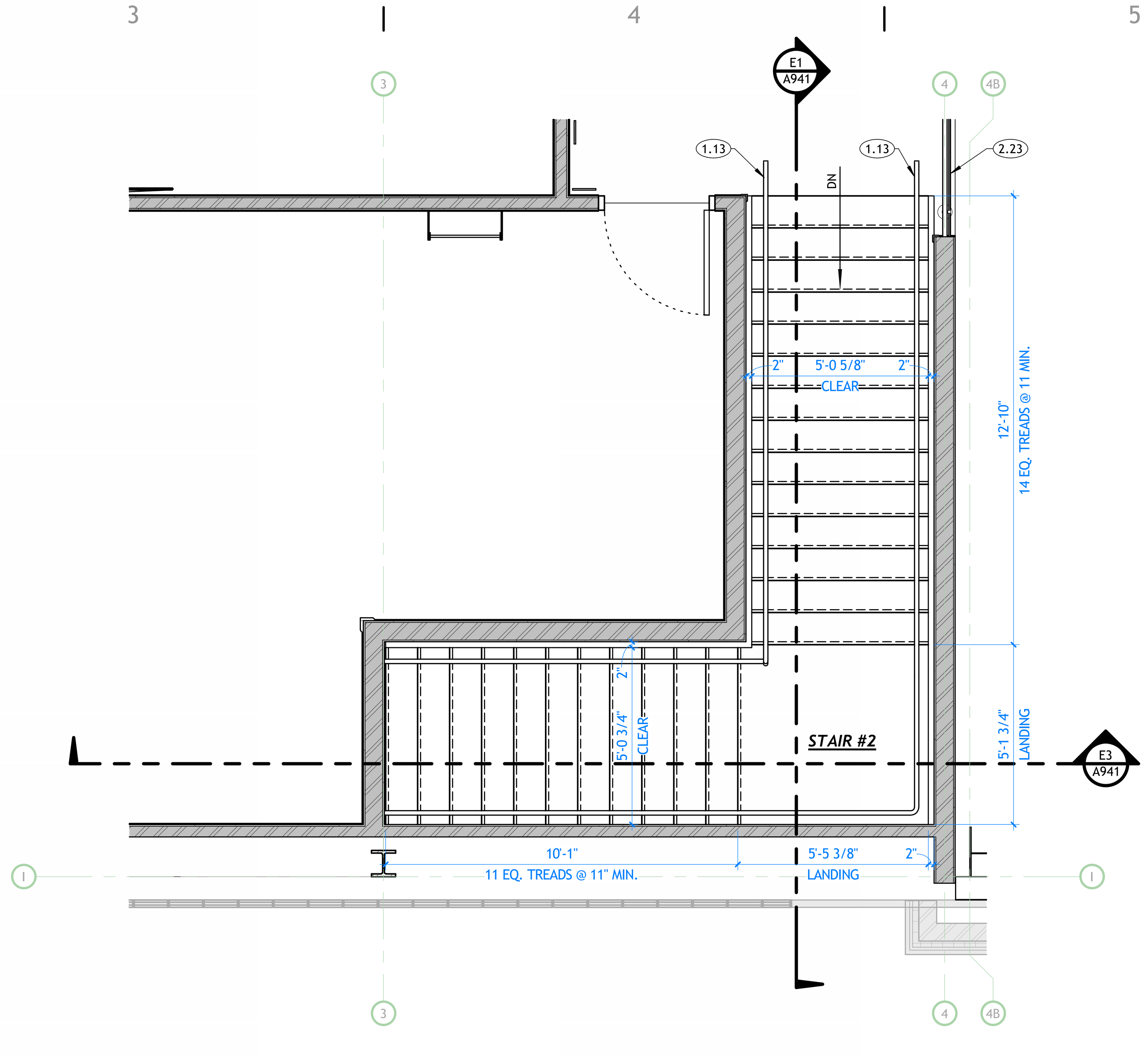
STAIR #1 - PLAN AND SECTIONS

SHEET NUMBER

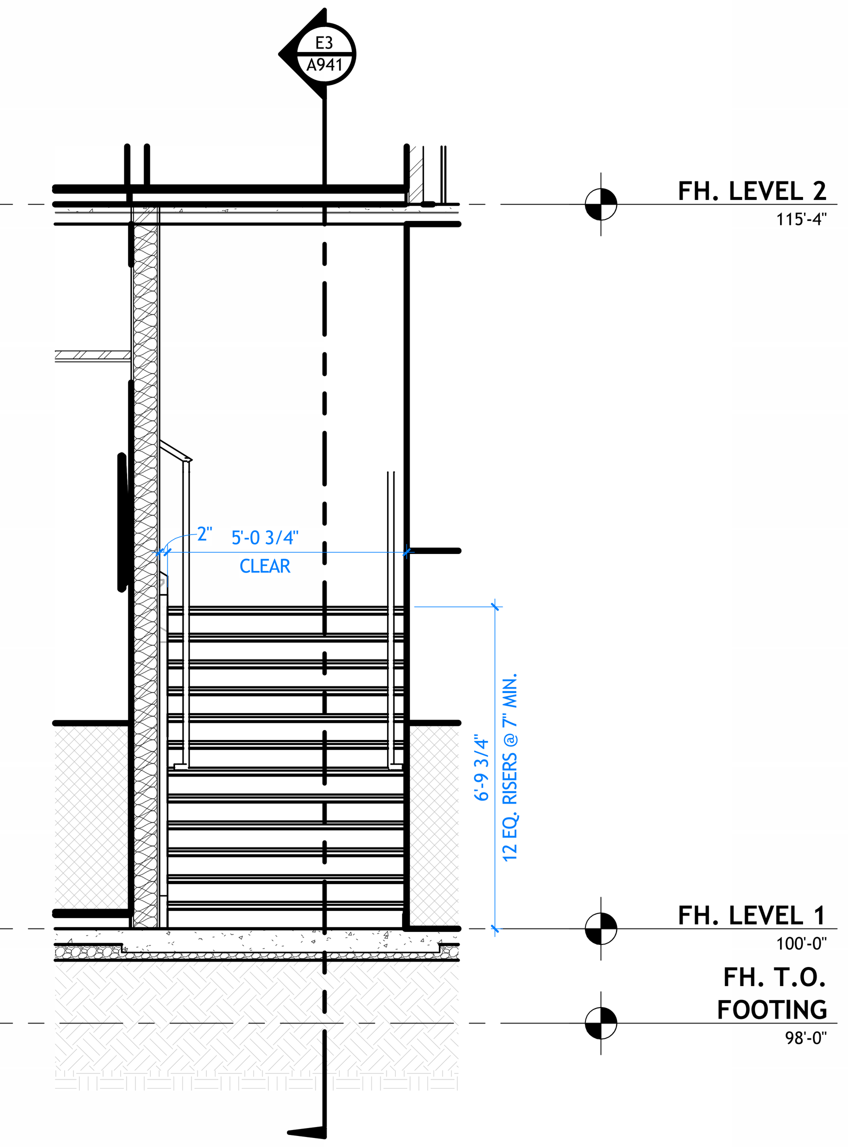
A940



STAIR #2 - MAIN FLOOR PLAN
A941 | SCALE: 3/8" = 1'-0"



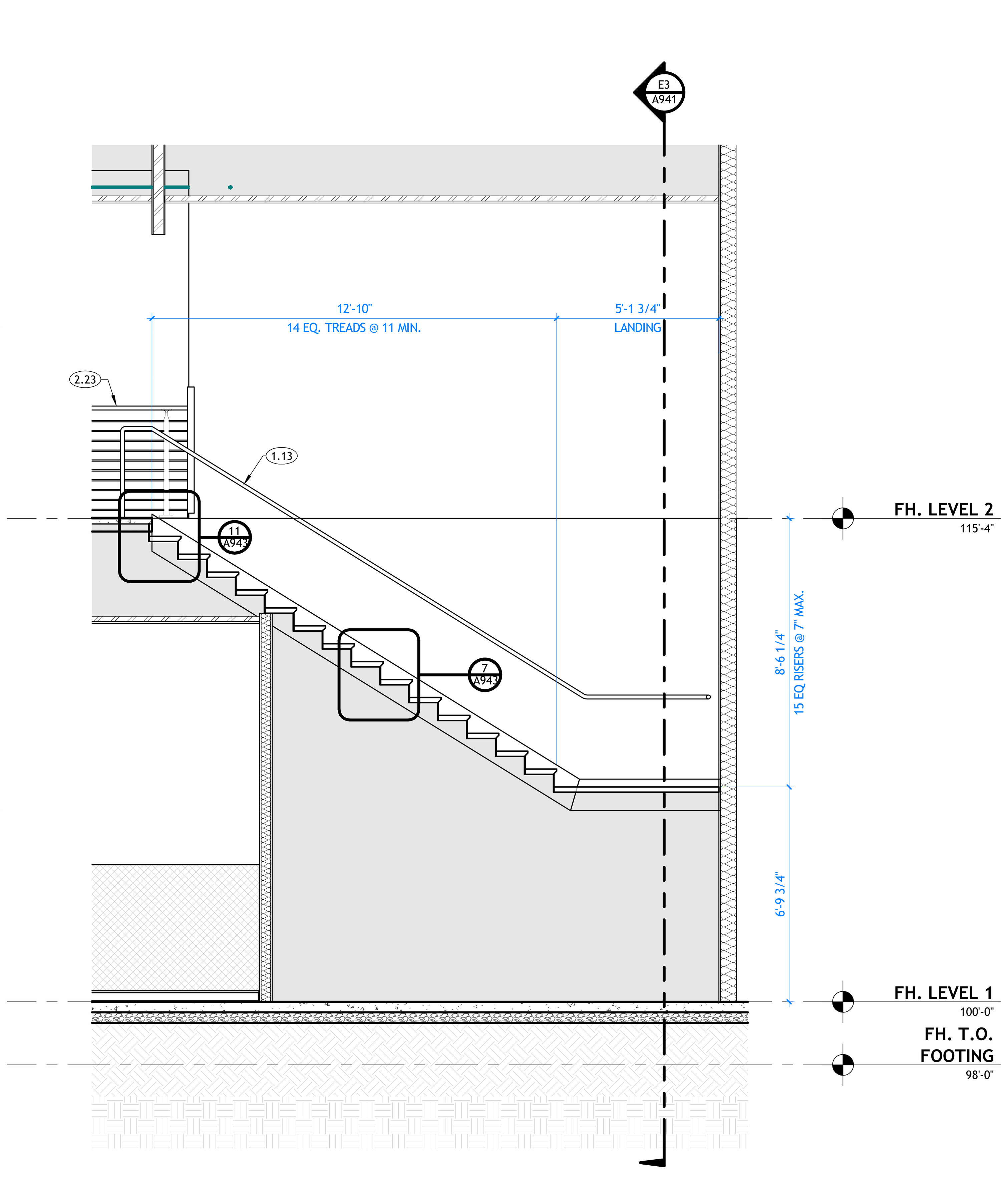
STAIR #2 - UPPER FLOOR PLAN
A941 | SCALE: 3/8" = 1'-0"



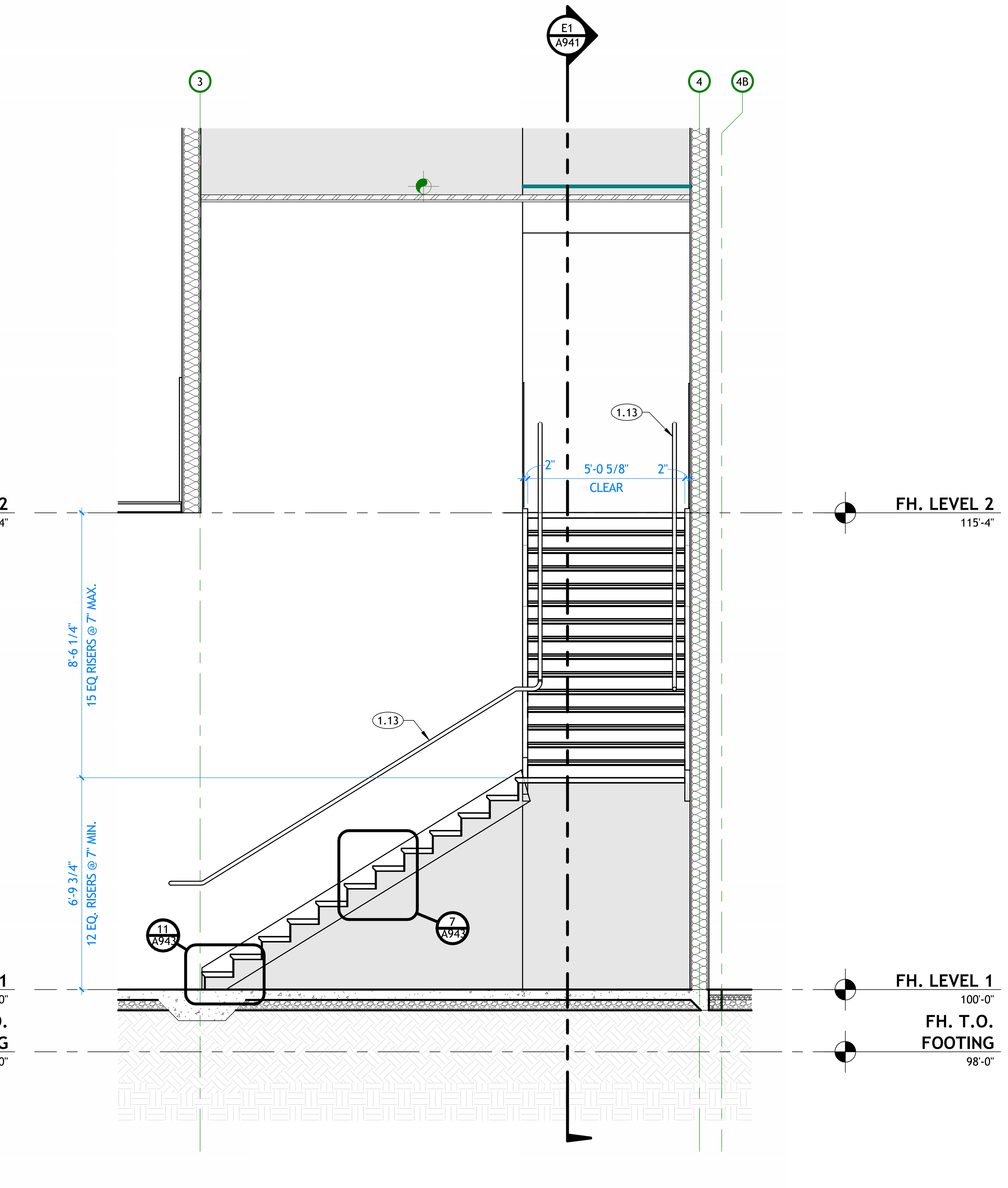
B5 STAIR #2 - ELEVATION B
A941 | SCALE: 3/8" = 1'-0"

KEYNOTES

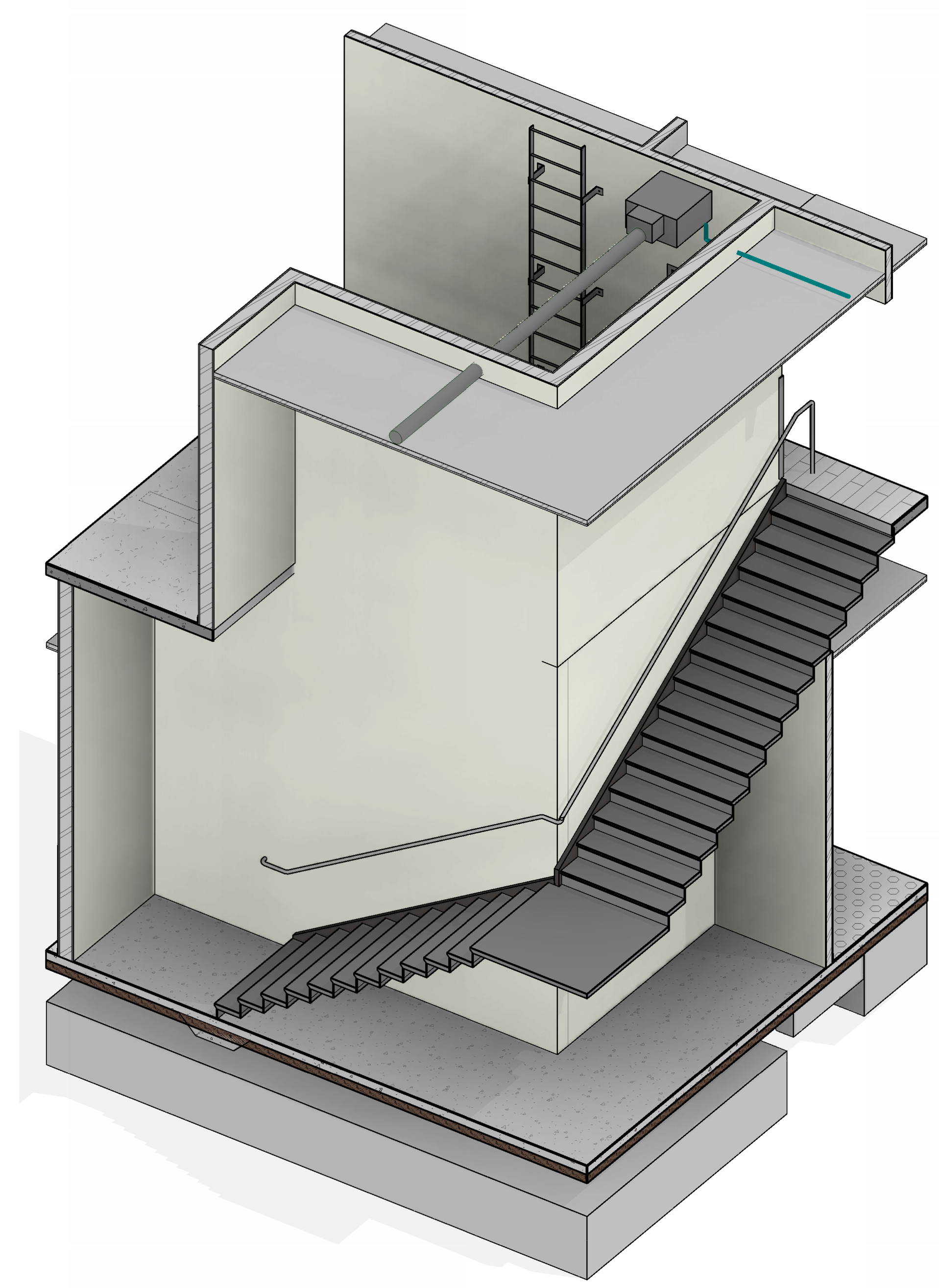
1.13	ADA COMPLIANT HANDRAIL 36" ABOVE FINISHED FLOOR. SEE RAILING DETAILS.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.



E1 STAIR #2 - SECTION A
A941 | SCALE: 3/8" = 1'-0"



E3 STAIR #2 - SECTION B
A941 | SCALE: 3/8" = 1'-0"



E5 STAIR #2 PERSPECTIVE
A941 | SCALE:

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C' AS NOTED ON THE CODE ANALYSIS
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE ABOVE ROOF DECKING.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30' O.C. MAXIMUM.
J. COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
K. PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
L. WALL TYPES ARE ON SHEET A110.
M. SEE A120 SHEETS FOR REFLECTED CEILING PLANS.
N. SEE A800 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
O. ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
P. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
Q. PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

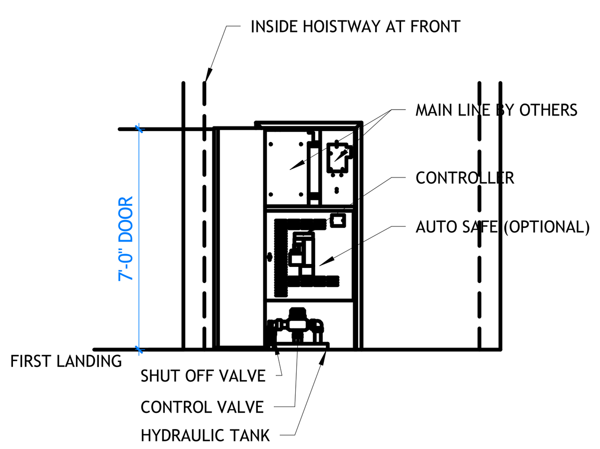
SHEET TITLE

STAIR #2 - PLAN AND SECTIONS

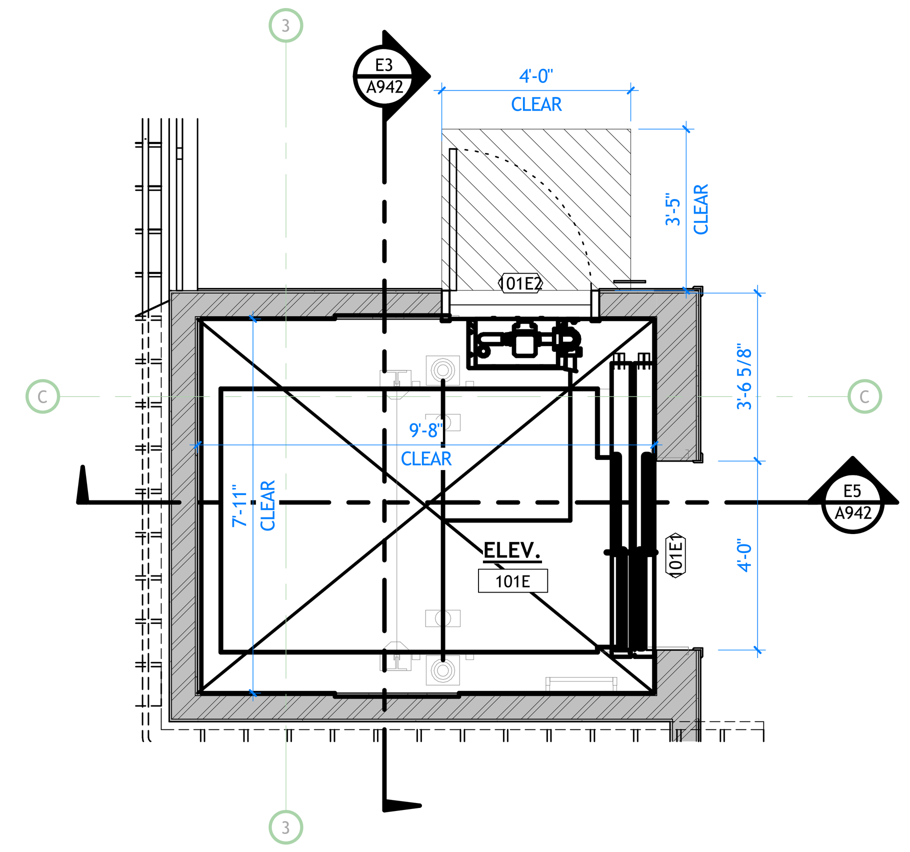
SHEET NUMBER

A941

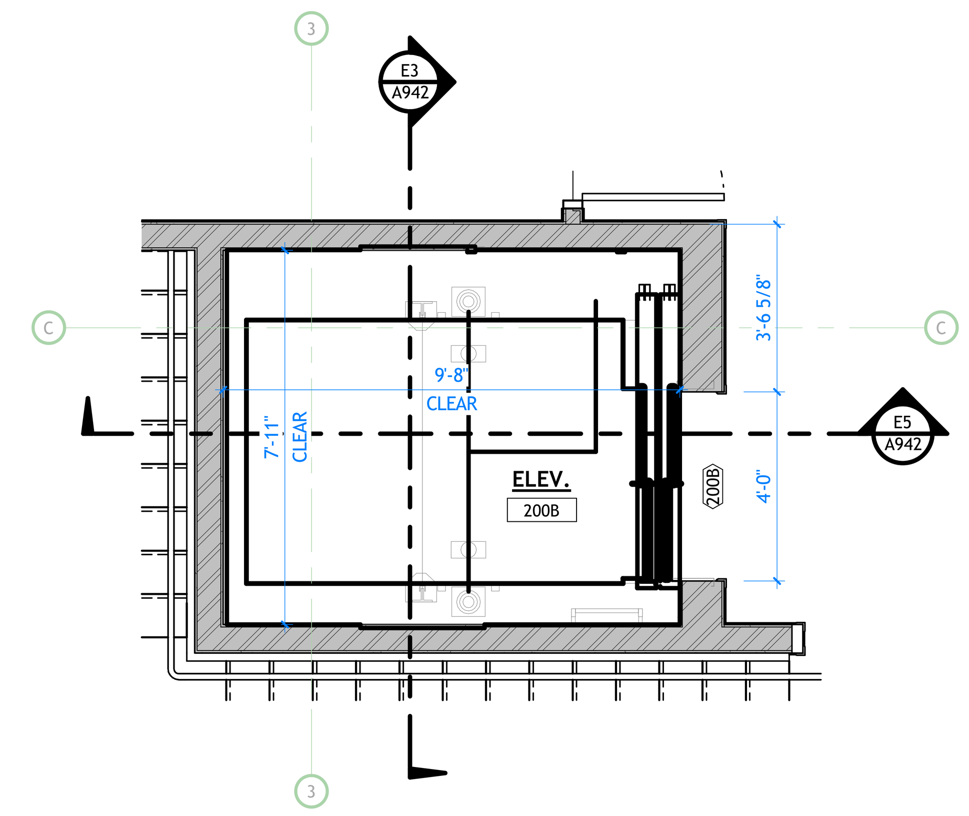
KEYNOTES



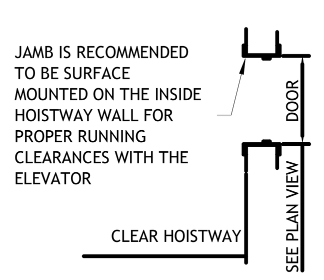
B1 CONTROLLER/MAIN LINE/TANK IN PIT @ BOTTOM LANDING REQUIREMENTS
A942 | SCALE: 1/4" = 1'-0"



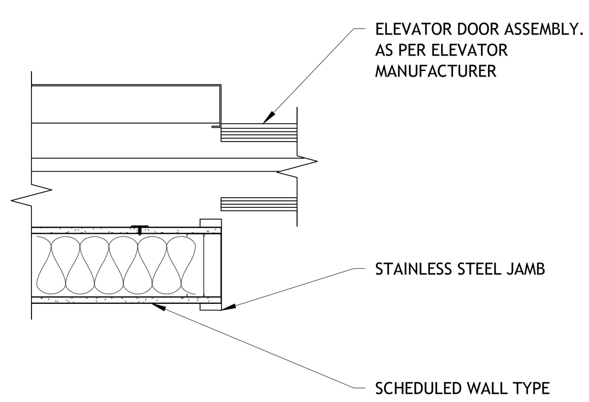
ELEVATOR #1 - MAIN FLOOR PLAN
A942 | SCALE: 3/8" = 1'-0"



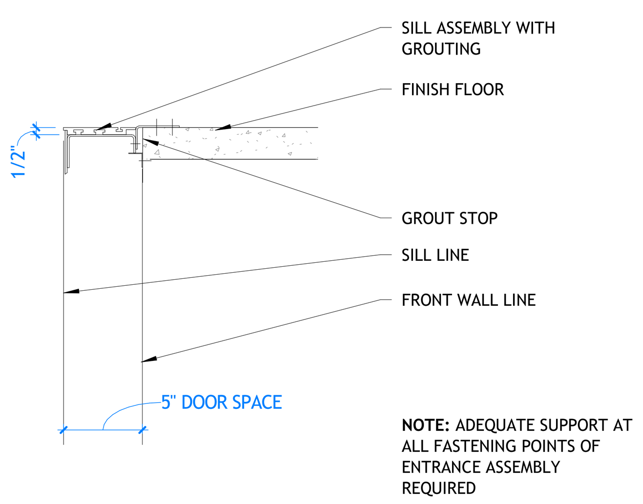
ELEVATOR #1 - UPPER FLOOR PLAN
A942 | SCALE: 3/8" = 1'-0"



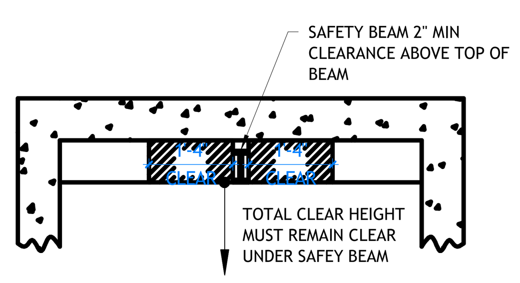
C1 ELEVATOR JAMB DETAIL
A942 | SCALE: 1/4" = 1'-0"



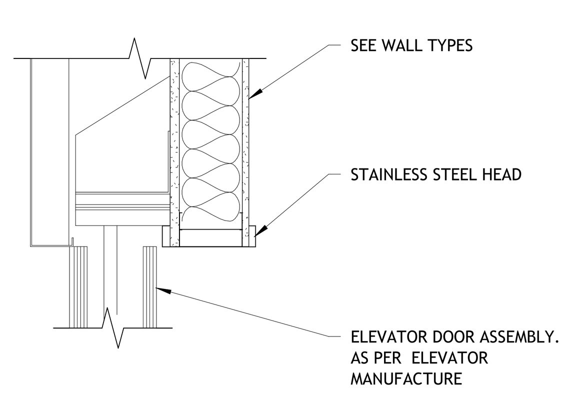
C2 ELEVATOR DOOR JAMB DETAIL
A942 | SCALE: 1" = 1'-0"



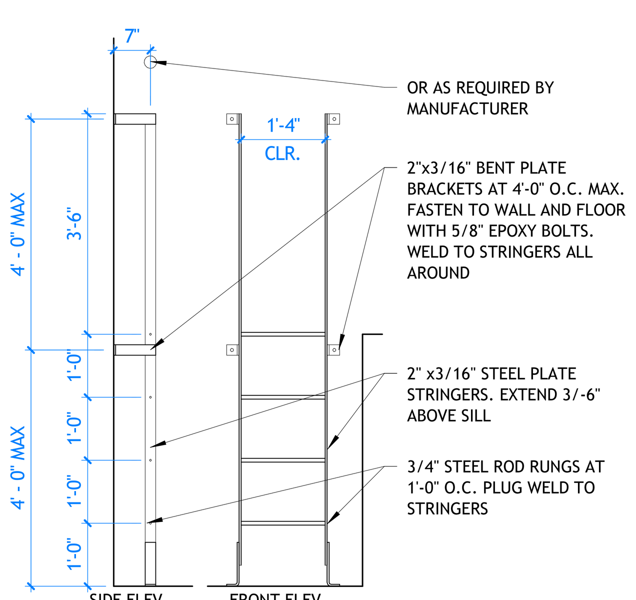
D1 ELEVATOR DOOR SILL DETAIL
A942 | SCALE: 1 1/2" = 1'-0"



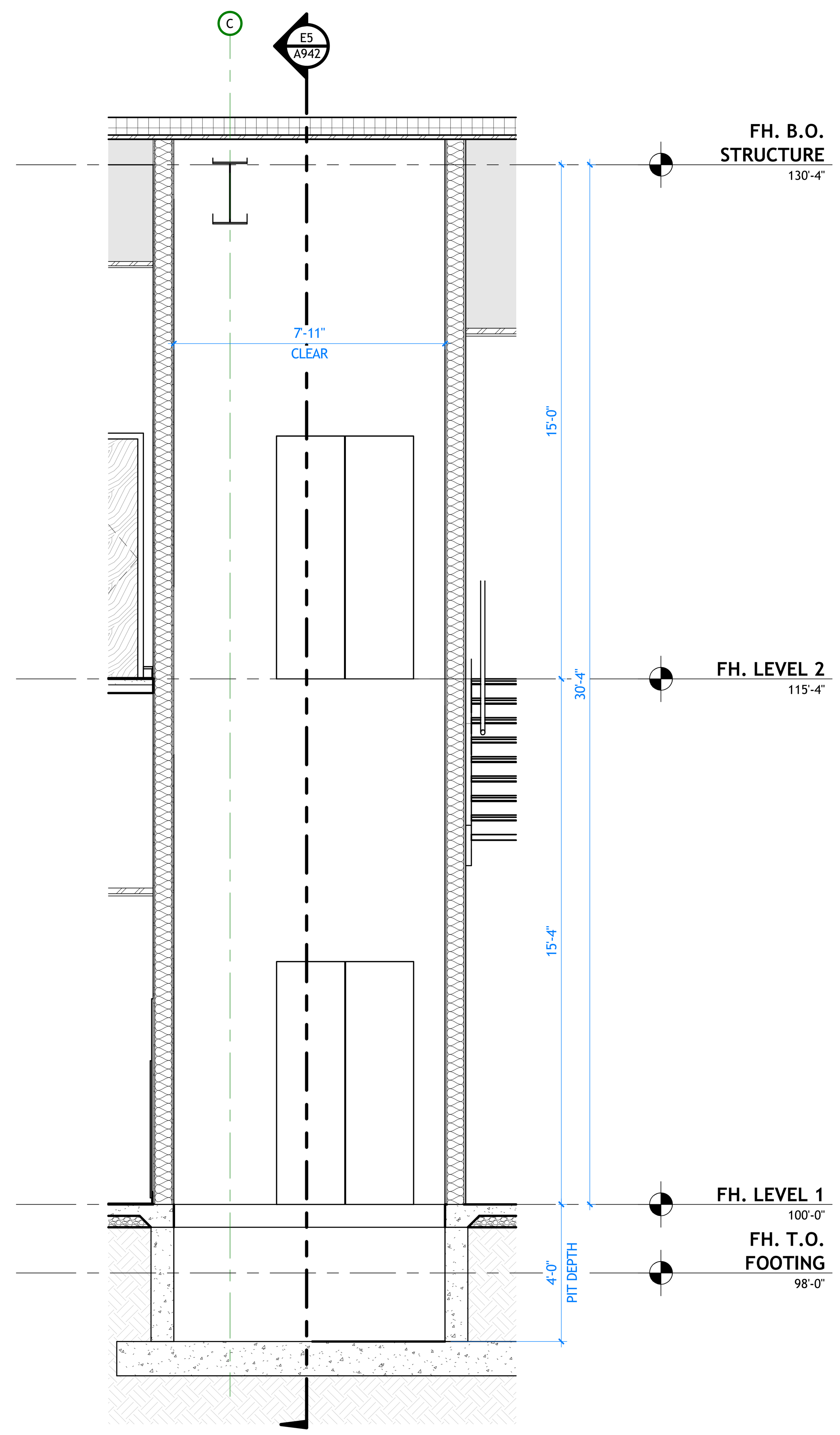
D2 OVERHEAD BEAM CLEARANCE
A942 | SCALE: 1/2" = 1'-0"



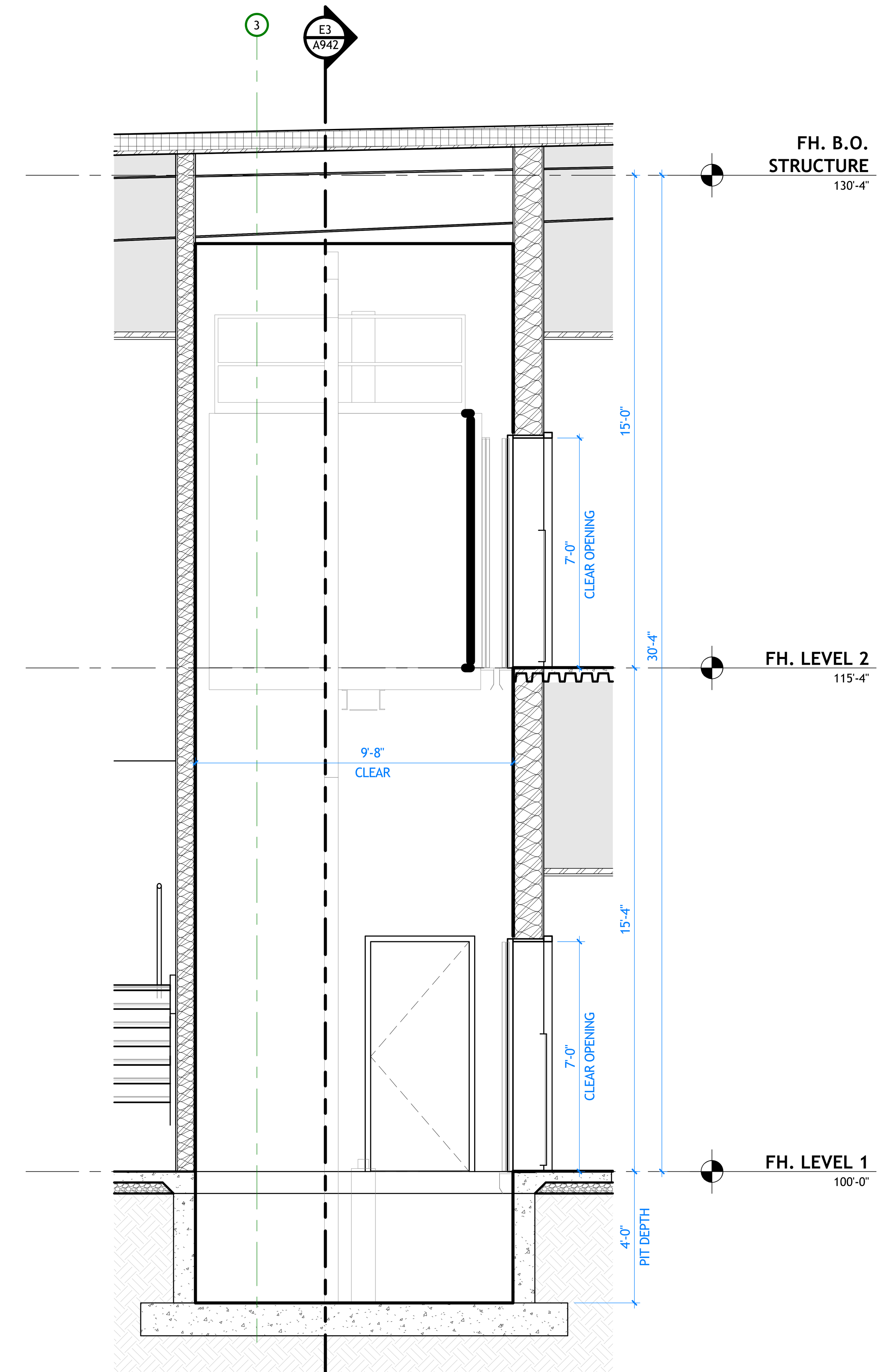
E1 ELEVATOR DOOR HEAD DETAIL
A942 | SCALE: 1" = 1'-0"



E2 ELEVATOR PIT LADDER DETAIL
A942 | SCALE: 1/2" = 1'-0"



E3 Section 4
A942 | SCALE: 3/8" = 1'-0"



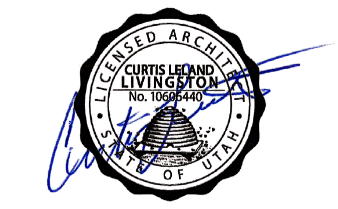
E5 Section 5
A942 | SCALE: 3/8" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C' AS NOTED ON THE CODE ANALYSIS
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE ABOVE ROOF DECKING.
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
I. MASONRY TO HAVE CONTROL JOINTS AT 30' O.C. MAXIMUM.
J. COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
K. PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
L. WALL TYPES ARE ON SHEET A110.
M. SEE A120 SHEETS FOR REFLECTED CEILING PLANS.
N. SEE A800 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
O. ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
P. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
Q. PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

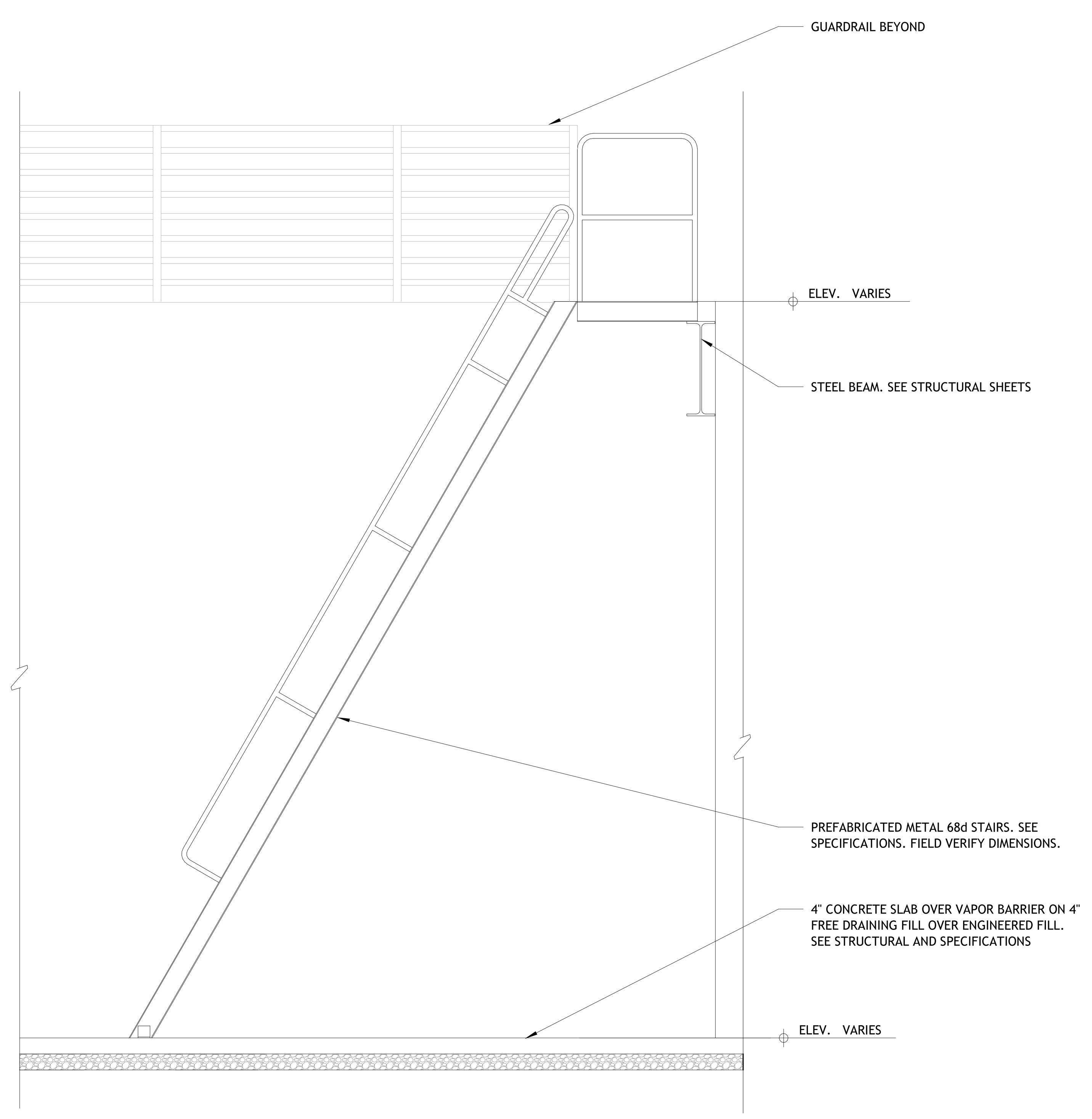
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

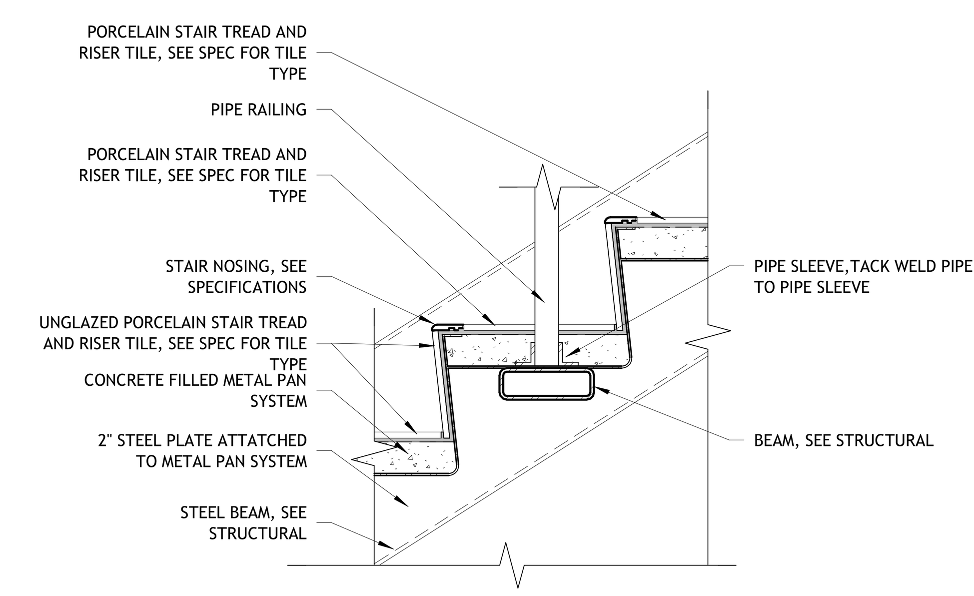
ELEVATOR #1 - PLAN AND SECTION

SHEET NUMBER

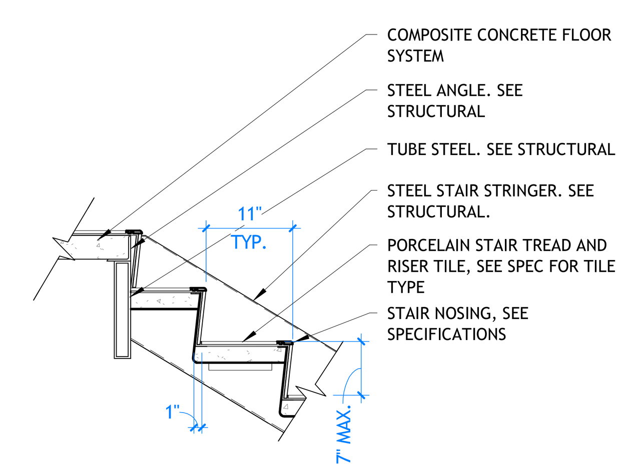
A942



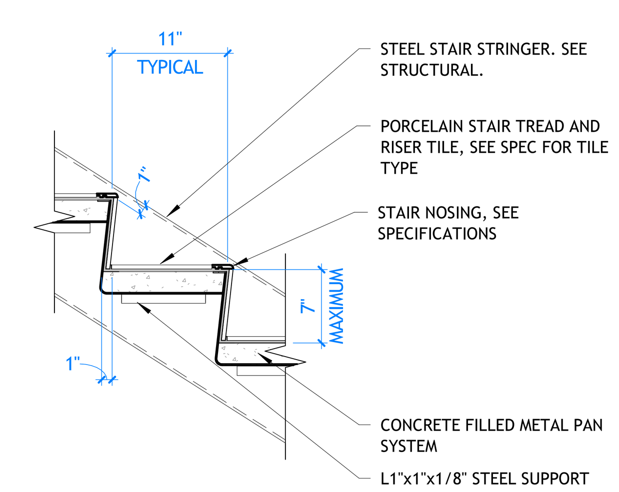
4 TYP. PREFABRICATED METAL STAIRS SECTION
A943 | SCALE: 1/2" = 1'-0"



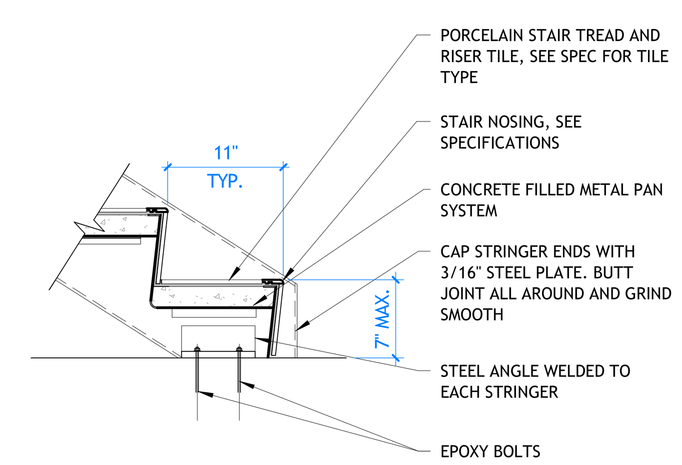
17 STAIR PAN DETAIL
A943 | SCALE: 1 1/2" = 1'-0"



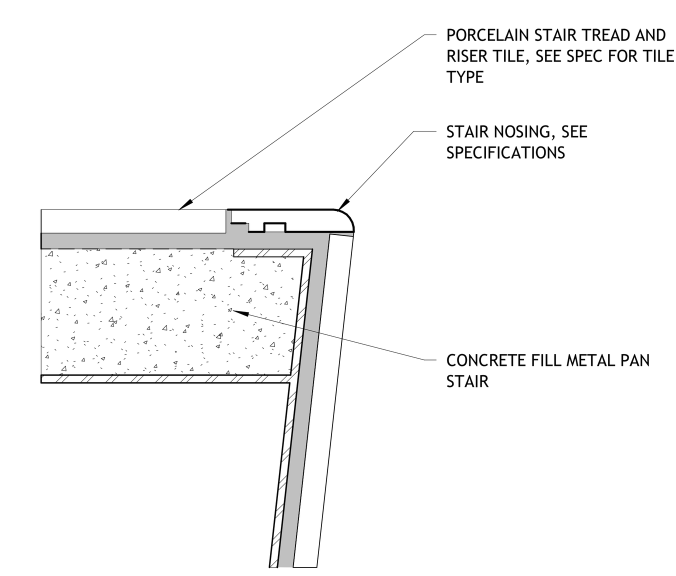
11 STAIR DETAIL
A943 | SCALE: 3/4" = 1'-0"



7 STAIR PAN DETAIL
A943 | SCALE: 1" = 1'-0"



5 STAIR BASE DETAIL
A943 | SCALE: 1" = 1'-0"



1 TREAD NOSING DETAIL
A943 | SCALE: 6" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

STAIR DETAILS

SHEET NUMBER

A943

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

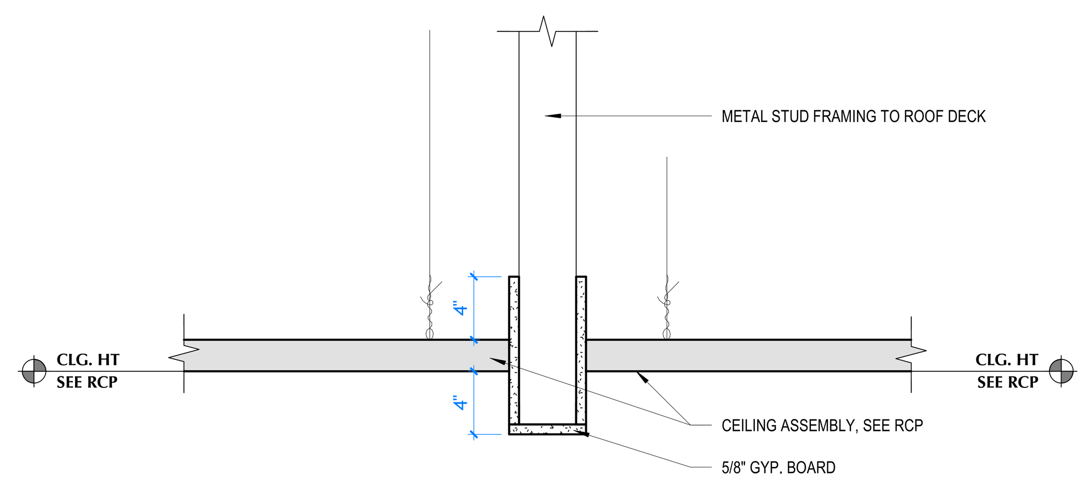
CONSULTANT INFORMATION

OWNER INFORMATION

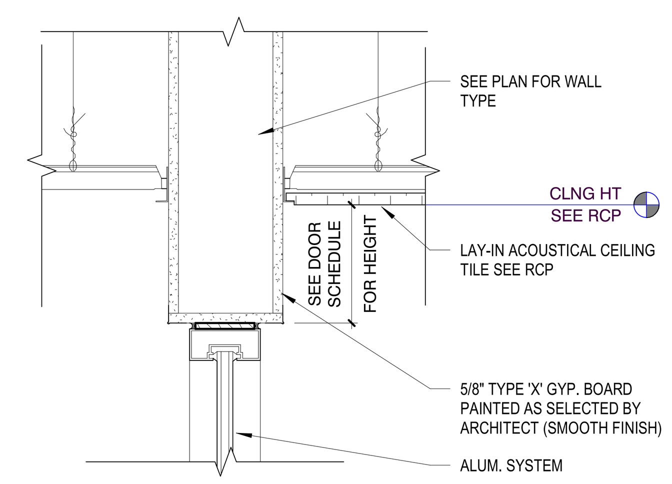
CANYONS SCHOOL DISTRICT

SUSPENDED CEILING SYSTEM NOTES:

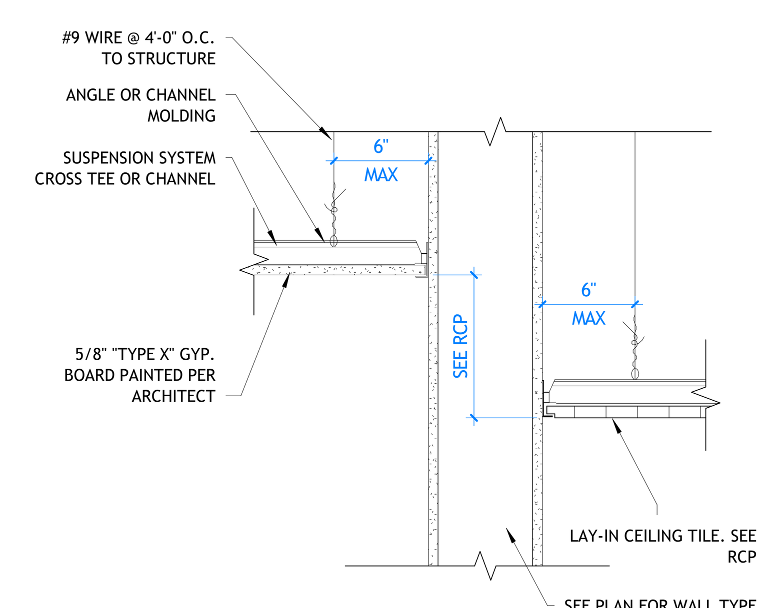
1. SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
2. ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
3. HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
4. SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
5. ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
6. SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
7. FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12'-0" O.C. EACH WAY.
8. PROVIDE CEILING HORIZONTAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
9. PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
10. CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
11. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
12. PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
13. SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.
14. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURAL ABOVE. SEE ELECTRICAL SHEETS.



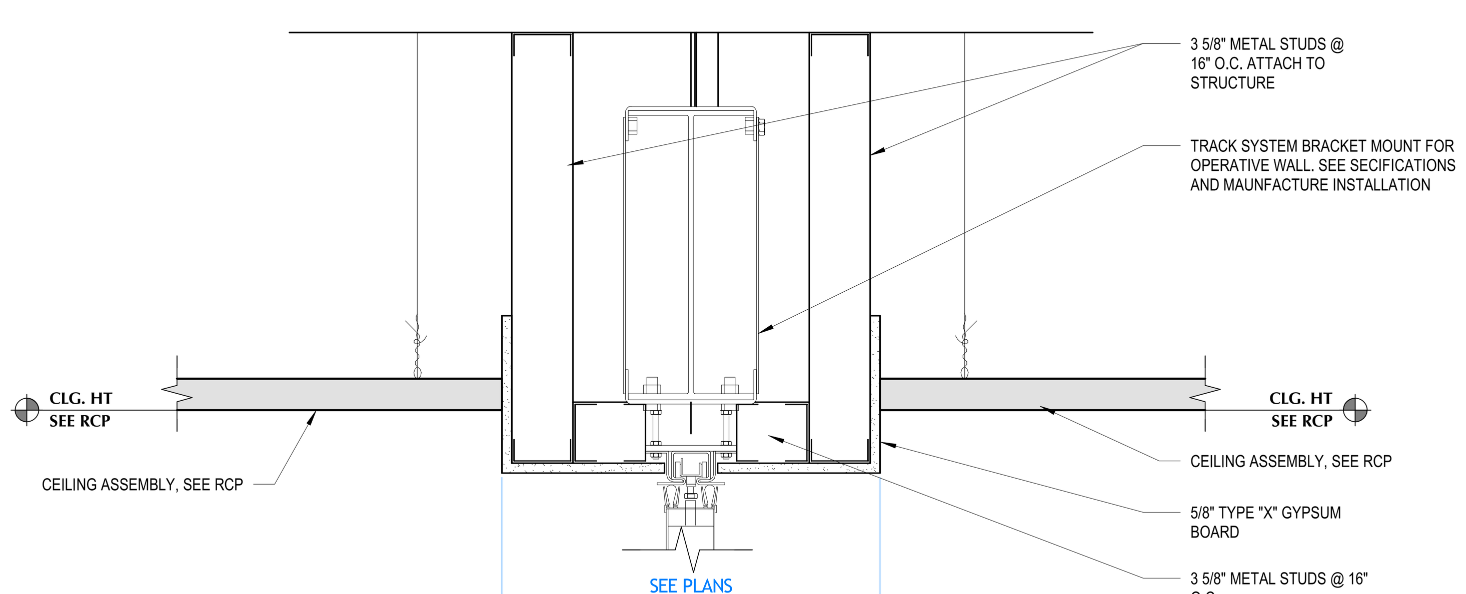
D4 CEILING DETAIL - FRAMED BULKHEAD
A944 | SCALE: 1 1/2" = 1'-0"



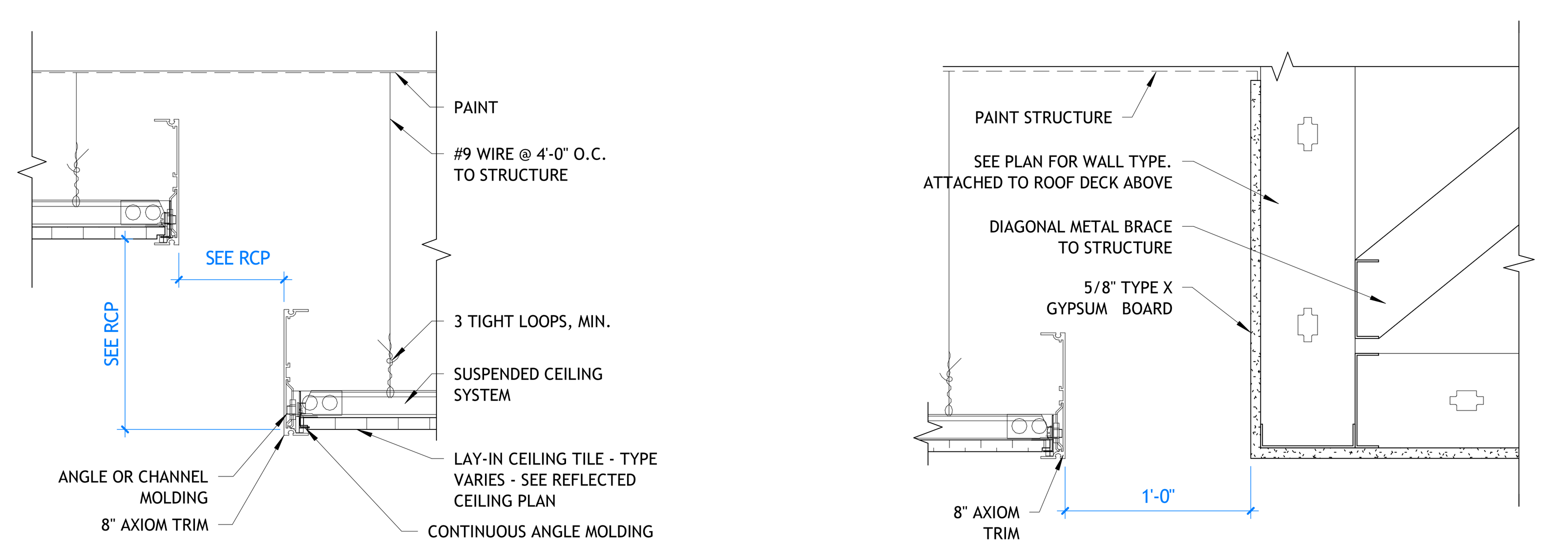
D6 HEAD DETAIL
A944 | SCALE: 1 1/2" = 1'-0"



D7 GYP. CEILING TO ACT DETAIL
A944 | SCALE: 1 1/2" = 1'-0"



E3 OPERATABLE WALL CEILING DETAIL
A944 | SCALE: 1 1/2" = 1'-0"



E5 AXIOM CEILING TRANSITION DETAIL
A944 | SCALE: 1 1/2" = 1'-0"

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

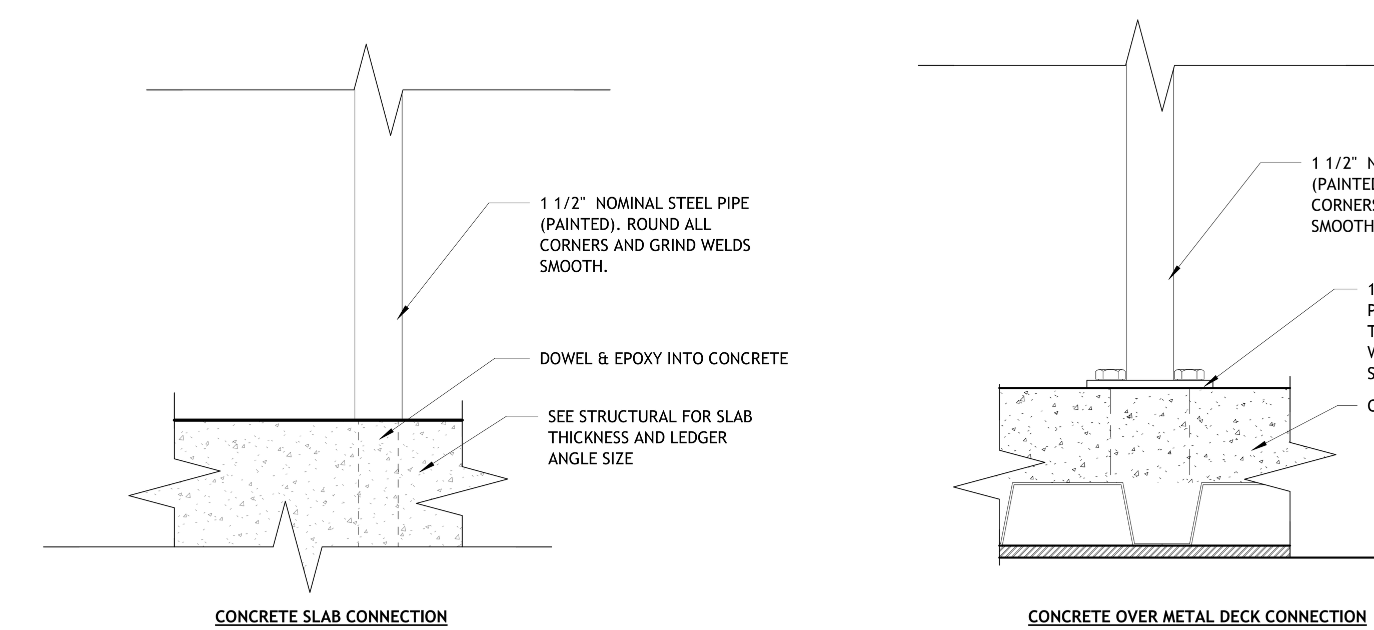
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

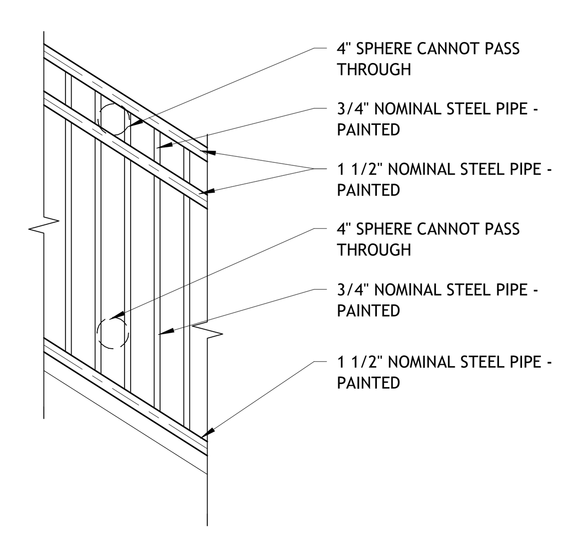
CEILING DETAILS

SHEET NUMBER

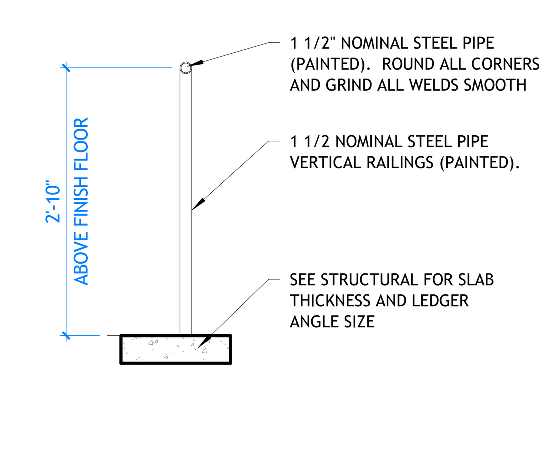
A944



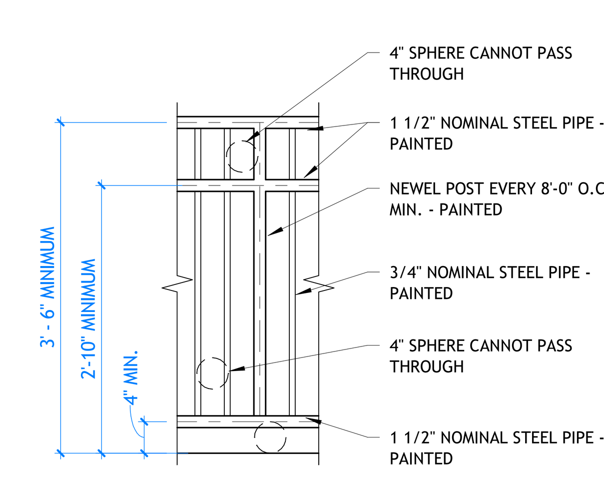
10 PIPE TO FLOOR CONNECTION SECTION DETAIL
A945 | SCALE: 3" = 1'-0"



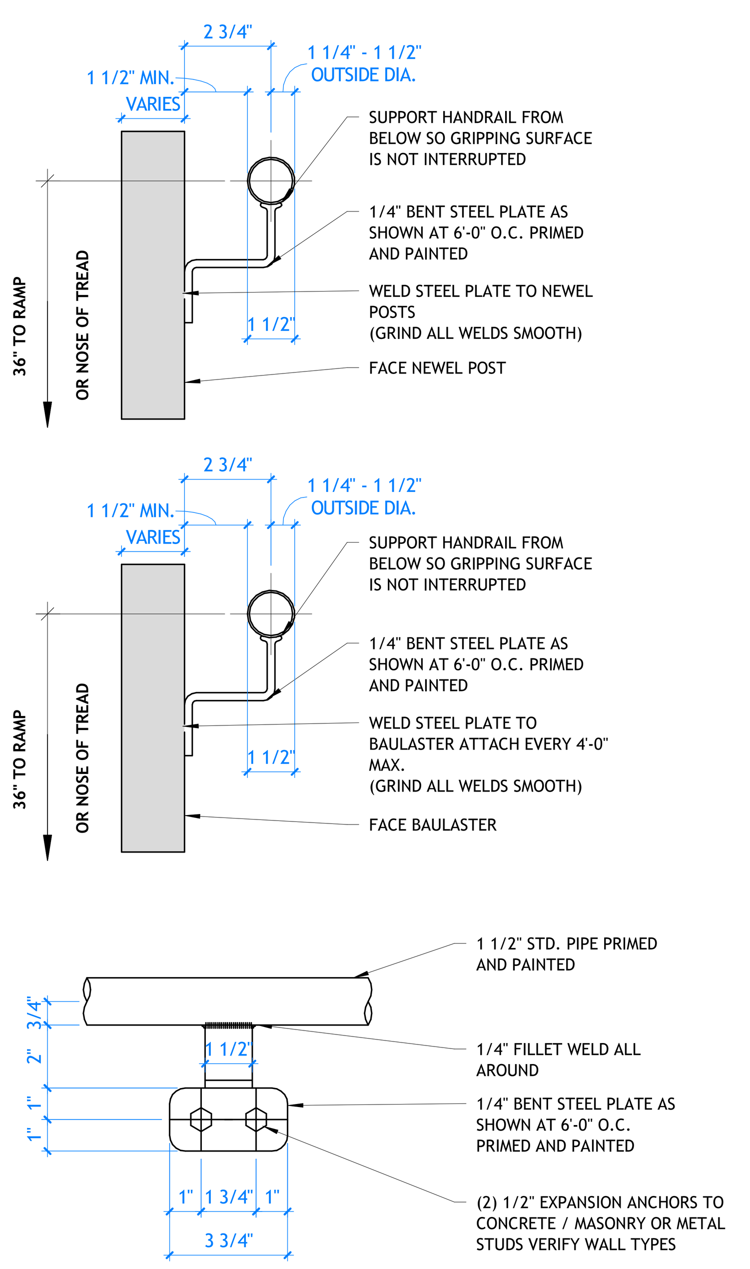
5 GUARDRAIL DETAIL
A945 | SCALE: 3/4" = 1'-0"



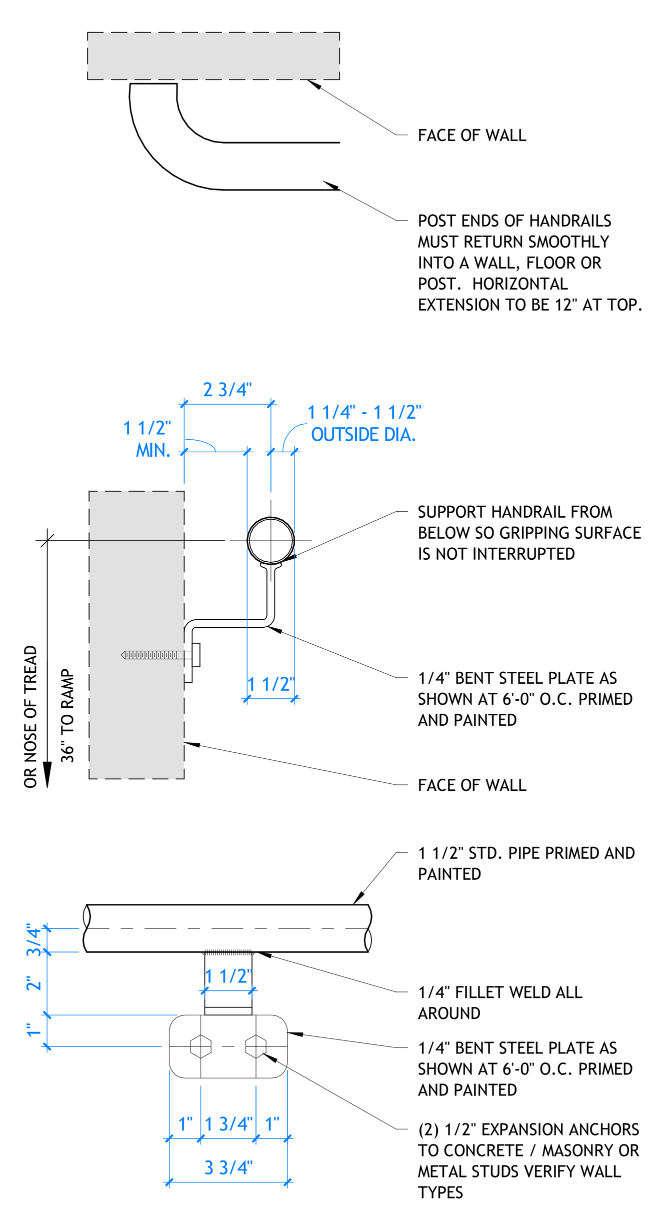
11 PIPE HANDRAIL DETAIL
A945 | SCALE: 3/4" = 1'-0"



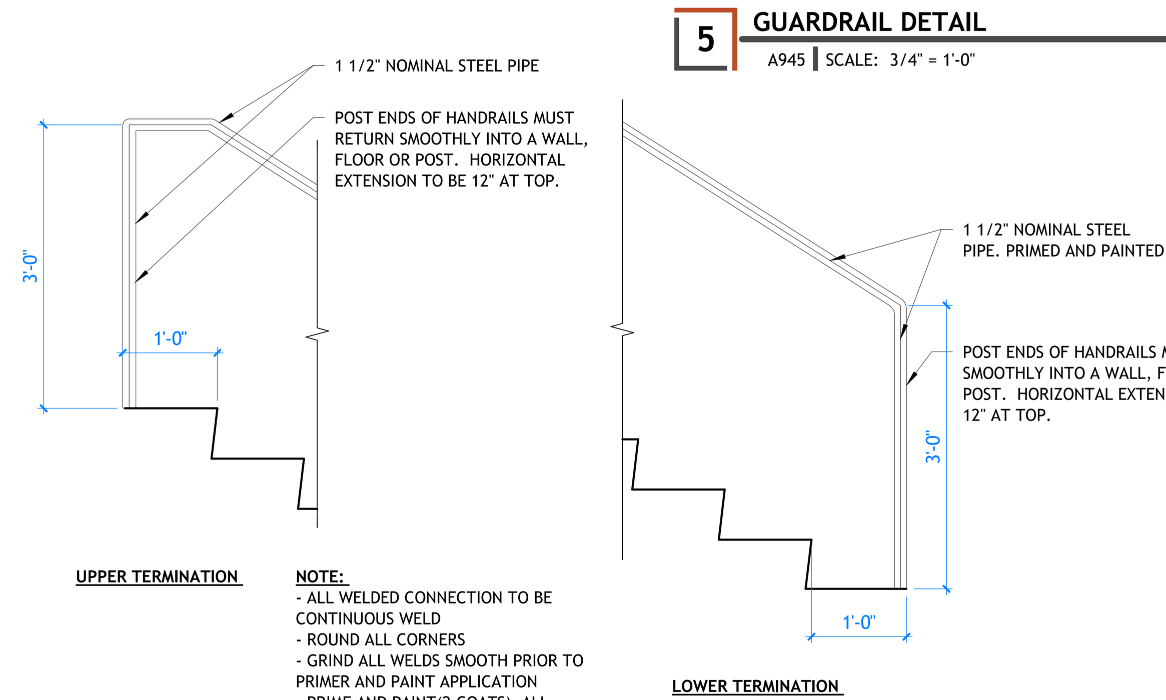
3 GUARDRAIL DETAIL
A945 | SCALE: 3/4" = 1'-0"



2 TYP. PIPE HANDRAIL DETAILS - GAURDRAIL MOUNT WELDED
A945 | SCALE: 3" = 1'-0"

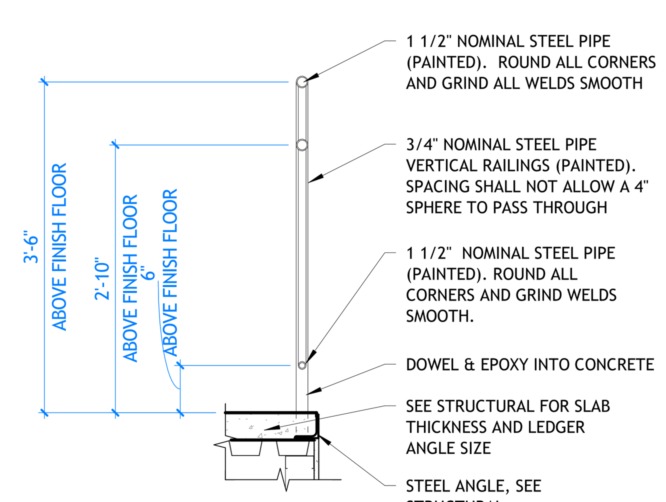


1 TYP. PIPE HANDRAIL WALL MOUNT DETAILS
A945 | SCALE: 3" = 1'-0"

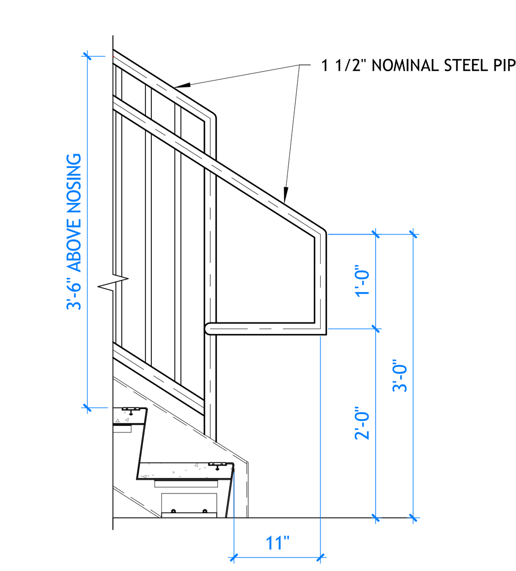


NOTE:
- ALL WELDED CONNECTION TO BE CONTINUOUS WELD
- ROUND ALL CORNERS
- GRIND ALL WELDS SMOOTH PRIOR TO PRIMER AND PAINT APPLICATION
- PRIME AND PAINT(2 COATS) ALL HANDRAIL/GUARDRAIL PIPE

13 PIPE HANDRAIL DETAIL
A945 | SCALE: 3/4" = 1'-0"



9 PIPE GUARDRAIL DETAIL
A945 | SCALE: 3/4" = 1'-0"



4 PIPE GUARDRAIL DETAIL
A945 | SCALE: 3/4" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

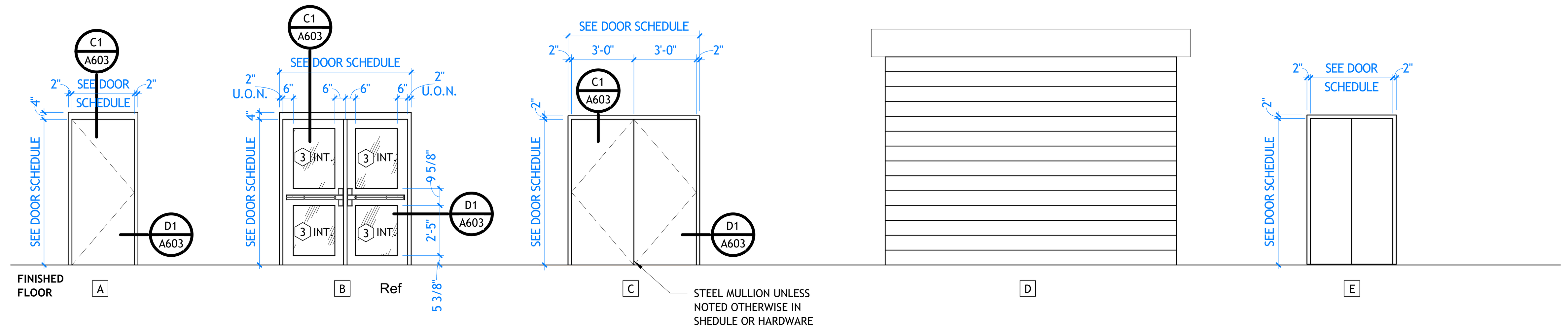
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

RAILING DETAILS

SHEET NUMBER

A945



A1 DOOR TYPES

A601 | SCALE: 1/4" = 1'-0"

KEYNOTES

DOOR SCHEDULE - FH ALTERNATE 1

MARK	TYPE	DOOR SIZE		MATERIAL		HARDWARE	RATING	COMMENTS
		WIDTH	HEIGHT	DOOR	FRAME			
FH. LEVEL 1								
101E1	E					E1		ELEVATOR DOOR PER MANUFACTURER
101E2	A	3'-0"	7'-0"	HM	HM	11		
112D	B	6'-0"	7'-0"	HM	HM	06		
112E	D	12'-0"	10'-0"	STL	STL	R1		
112F	B	6'-0"	7'-0"	HM	HM	18		
112G	D	12'-0"	10'-0"	STL	STL	R1		
112H	B	6'-0"	7'-0"	HM	HM	18		
115	A	3'-0"	7'-0"	HM	HM	11		
FH. LEVEL 2								
200B	E					E1		ELEVATOR DOOR PER MANUFACTURER
201A	A	3'-0"	7'-0"	WD	HM	09		
201B	B	6'-0"	7'-0"	WD	HM	08		
203A	C	6'-0"	7'-0"	WD	HM	07		
203B	A	3'-0"	7'-0"	WD	HM	12		
204	A	3'-0"	7'-0"	WD	HM	16		
205	A	3'-0"	7'-0"	WD	HM	16		
206	B	6'-0"	7'-0"	WD	HM	07		
207A	A	3'-0"	7'-0"	WD	HM	13		
207B	A	3'-0"	7'-0"	WD	HM	13		
207C	A	3'-0"	7'-0"	WD	HM	13		
207D	A	3'-0"	7'-0"	WD	HM	13		
207E	A	3'-0"	7'-0"	WD	HM	14		
207F	A	3'-0"	7'-0"	WD	HM	16		
207G	A	3'-0"	7'-0"	WD	HM	11		
207H	A	3'-0"	7'-0"	WD	HM	14		
208	A	3'-0"	7'-0"	WD	HM	11		

GLAZING SCHEDULE

1 1" INSULATED TEMPERED LOW-E GLASS

2 1" INSULATED ANNEALED CLEAR LOW-E GLASS

3 1/4" TEMPERED CLEAR GLASS

3 KALWALL WINDOW SYSTEM - SEE SPECS

NOTE:
- EXTERIOR DOORS & WINDOWS TO BE GLAZING TYPES 1 & 2
- INTERIOR DOORS & WINDOWS TO BE GLAZING TYPE 3
-TEMPERED GLASS WITHIN 4'-0" OF ANY DOOR/OPENING

GENERAL NOTES

A. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
B. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
C. ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
D. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
E. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
F. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
G. ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
H. CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
I. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
J. ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
K. SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

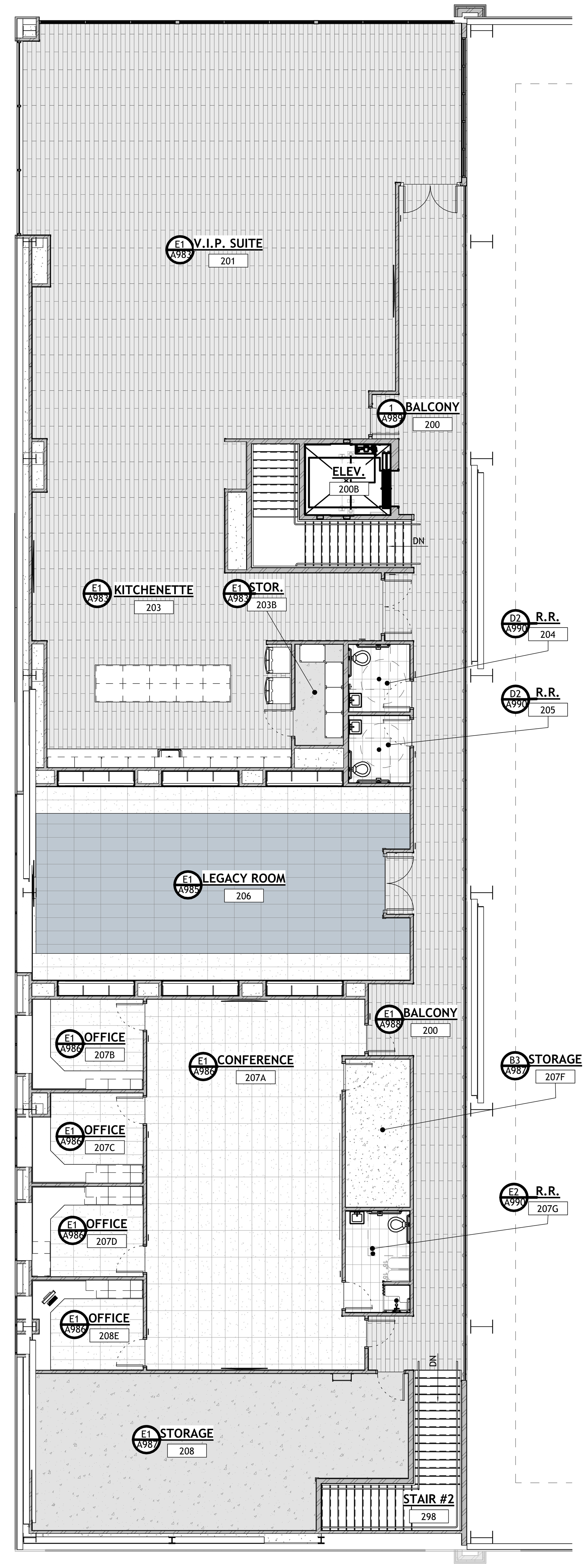
DOOR AND WINDOWS

SHEET NUMBER

A960

KEYNOTES

MAIN FLOOR FURNISHINGS PLAN - ALTERNATIVE
A980 | SCALE: 1/8" = 1'-0"



UPPER FLOOR FURNISHINGS PLAN - ALTERNATIVE
A980 | SCALE: 1/8" = 1'-0"

FINISH ROOM SCHEDULE ALTERNATE

Name	Number	Floor Finish	Base Finish	Wall Finish	Millwork Finishes	Ceiling Finish	Door Finish
TURF FIELD	100	F4, F5, F6, F7	B1	W7, W10, W11	-	CL3	D1
VESTIBULE	101	F2	B1	W1, W6	-	CL2	D1
R.R.	102	F1	B2	W3	-	CL1	D1
R.R.	103	F1	B2	W3	-	CL1	D1
TRAINING ROOM	104	F1	B1	W1, W3	M1, M2	CL2	D1
CORRIDOR	105	F2	B2	W1, W6	-	CL2	D1
WOMEN'S	106	F1	B2	W3	-	CL1	D1
CUST.	107	F3	B1	W1, W4	-	-	D1
MEN'S	108	F1	B2	W3	-	CL1	D1
LOCKER ROOM	109A	F1	B1	W1, W5		CL1	D1
R.R.	109B	F1	B2	W3	-	CL1	D1
RISER ROOM	110	F3	B1	W1	-	-	D1
OPEN WEIGHTS	112	F2	B1	W1, W2, W10, W11, W12	M1. M2	CL3	D1
DATA	113	F3	B1	W1	-	-	D1
ELEC.	114	F3	B1	W1	-	-	D1
MENS	115	F1	B1	W1	-	-	D1
BALCONY	200	F9	B1	W1	-		D2

INTERIOR FINISH SCHEDULE

CODE	MATERIAL	MANUFACTURER	PRODUCT NAME / NUMBER	COLOR / FINISH	SIZE	COMMENTS
1-FLOOR FINSHES						
F1	RUBBER TYPE 1	MONDO FLOORING	RAMFLEX	MARINE BLUE G986	ROLLS	CHEMICALLY WELDED
F2	RUBBER TYPE 2	MONDO FLOORING	SPORT IMPACT	DARK GREY S018	3' X 3' TILES	NO INTERLOCKING
F3	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
F4	TURF TYPE 1	-	-	-	-	NIC - OWNER PROVIDED
F5	TURF TYPE 2	-	-	-	-	NIC - OWNER PROVIDED
F6	TURF TYPE 3	-	-	-	-	NIC - OWNER PROVIDED
F7	TURF TYPE 4	-	-	-	-	NIC - OWNER PROVIDED
F8	EXISTING RUBBER	-	-	-	-	-
F9	LUXURY VINYL TILE	JJ FLOORING	STEP BY STEP 5MM	ALL PURPOSE	18" X 36"	INSTALLATION: ASHLAR
F10	LUXURY VINYL TILE ACCENT	JJ FLOORING	STEP BY STEP 5MM	DENIM 1134	18" X 36"	INSTALLATION: ASHLAR
F11	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	CONCRETE 00570	18" X 36"	INSTALLATION: STAGGARED
F12	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	HARBOR 00460	18" X 36"	INSTALLATION: STAGGARED
F13	PORCELAIN FLOOR TILE	DALTILE	-	-	-	-
2- BASE FINISHES						
B1	6" RUBBER BASE	JOHNSONITE BY TARKETT	MANDALAY	BURNT UMBER 63	6"	
B2	CORRESPONDING TILE BASE	-	-	-	-	
3- WALL FINISH						
W1	GENERAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	SHEEN: EGGSHELL
W2	ACCENT PAINT	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	SHEEN: EGGSHELL
W3	PORCELAIN WALL TILE	DALTILE	SYNCHRONIC	WHITE SY30 MATTE	12X24	GROUT: CBP, "ASH" #642 / INSTALLATION: VERTICAL STRAIGHT STACK
W4	CERAMIC WALL TILE	DALTILE	COLOR WHEEL LINEAR	MATTE SUEDE GRAY 0782	4X16	GROUT: CBP, "PEWTER" #19 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W5	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
W6	PORCELAIN WALL TILE	DALTILE	VOLUME 1.0	SONIC WHITE VL75	12x24	GROUT: CBP, "ASH" #642 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W7	WALL PADDING	-		-	2'X6' TYPICAL	COLOR TO BE SELECTED BY INTERIOR DESIGNER
W8	ACCENT PAINT 2	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	FINISH: EGGSHELL
W9	ACCENT PAINT 3	SHERWIN WILLIAMS	-	DOMINO SW6989	-	FINISH: EGGSHELL
W10	PAINTED METAL STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
W11	FIELD METAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: SEMI-GLOSS
W12	DIAMOND PLATE	INPRO	-	STAINLESS STEEL DIAMOND PLATE	-	FINISH WITH CORNER GUARDS IN SAME DIAMOND PLATE PATTERN
W13	PLASTIC LAMINATE WALL PANELS	FORMICA	-	WALNUT RIFTWOOD 9283-NG	-	USE FRY REGLET 1/2" MILLWORK REVEAL INBETWEEN MDF WRAPPED PANELS.
W14	TEXTILE WALLCOVERING	SBR TECHNOLOGIES	-	-	-	CUSTOM WALLCOVERING. BRANDING PROVIDED BY OWNER.
4- MILLWORK FINISHES						
M1	PLASTIC LAMINATE MILLWORK	FORMICA	-	STORM 912-58	-	-
M2	PLASTIC LAMINATE COUNTERTOP	WILSONART	-	GREY PAMPAS 4168-60	-	EASED EDGE
M3	SOLID SURFACE	FORMICA	EVERFORM	GAMMA GRAY 417	3CM	EASED EDGE.USED AS WINDOW SILLS AS WELL
M4	PLASTIC LAMINATE MILLWORK	FORMICA	-	WALNUT RIFTWOOD 9283-NG	-	-
5-CEILING FINISH						
CL1	PAINTED GYPSUM BOARD	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: FLAT
CL2	ACOUSTIC CEILING TILE	-	-	-	-	-
CL3	PAINTED STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
6-DOOR FINISHES						
D1	PAINTED METAL DOOR & TRIM	SHERWIN WILLIAMS	-	DOMINO SW6989	-	TRIM OF DOOR MATCH EXISTING, SHEEN - SEMI-GLOSS
D2	WOOD DOOR & PAINTED METAL TRIM	SHERWIN WILLIAMS	-	-	-	SHEEN: SEMI-GLOSS

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE
C. MILLWORK SHOWN FOR CLARITY. PROVIDE FLOORING UNDER EQUIPMENT, MILLWORK AND COUNTERTOPS.
D. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS
E. FINAL FINISH SELECTION TO BE COORDINATED WITH ARCHITECT, OWNER AND INTERIOR DESIGNER.
F. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS.
G. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISON, INTERCOMES, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
H. PROVIDE 3" DIAMETER HOLE THRU CONTER TOP AT ALL POWER AND DATE OUTLEST BELOW CABINET. PROVIDE 3MM PVC SLEEVE AROUND OPENING. COORDINATE WITH ELECTRICAL SHEETS. DRILL OPENING AFTER MILLWORK AS BEEN INSTALLED FOR ACCURATE LOCATION WITH ELECTRICAL.
I. FINAL LOCATION OF ALL RESTROOM EQUIPMENT TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION.
J. CHAMFER ALL EXPOSED CORNERS ON COUNTERTOPS.
K. ALL WINDOWS TO RECIEVE SOLID SURFACE SILLS. SEE A802 & SPECIFICATIONS FOR FINISH DETAILS.
L. PROVIDE STAINLESS STEEL CORNER GUARDS AT ALL DRYWALL CORNERS PER DETAIL D4/A560.
M. PROVIDE SCHULTER TRIM PIECE ON ALL EXPOSED TILE EDGES AND EXTERIOR CORNERS. SEE SPECIFICATIONS
N. ALL ROOMS TO RECIEVE ROOM SIGNS AT EACH ENTRY INTO SPACE. PLAN FOR APPROPRIATE AMOUNT PER ROOM.
O. A PREINSTALLTION MEETING IS TO BE SCHEDULED WITH THE OWNER, ARCHITECT, GENERAL CONTRACTOR, GYMNASIUM EQUIPMENT SUBCONTRACTOR, AND THE MULTI-PURPOSE ROOM FLOORING SUBCONTRACTOR TO COORDINATE THE LAYOUT AND INSTALLTION OF THE GYMNASIUM EQUIPMENT AND THE FLOOR GAME LINES.
P. PROVIDE FLOOR TRANSITION STRIPS AT ALL FLOOR MATERIAL TRANSITIONS PER DETAILS. SHEETS A550.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - FINISHINGS PLANS

SHEET NUMBER

A980

KEYNOTES

2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

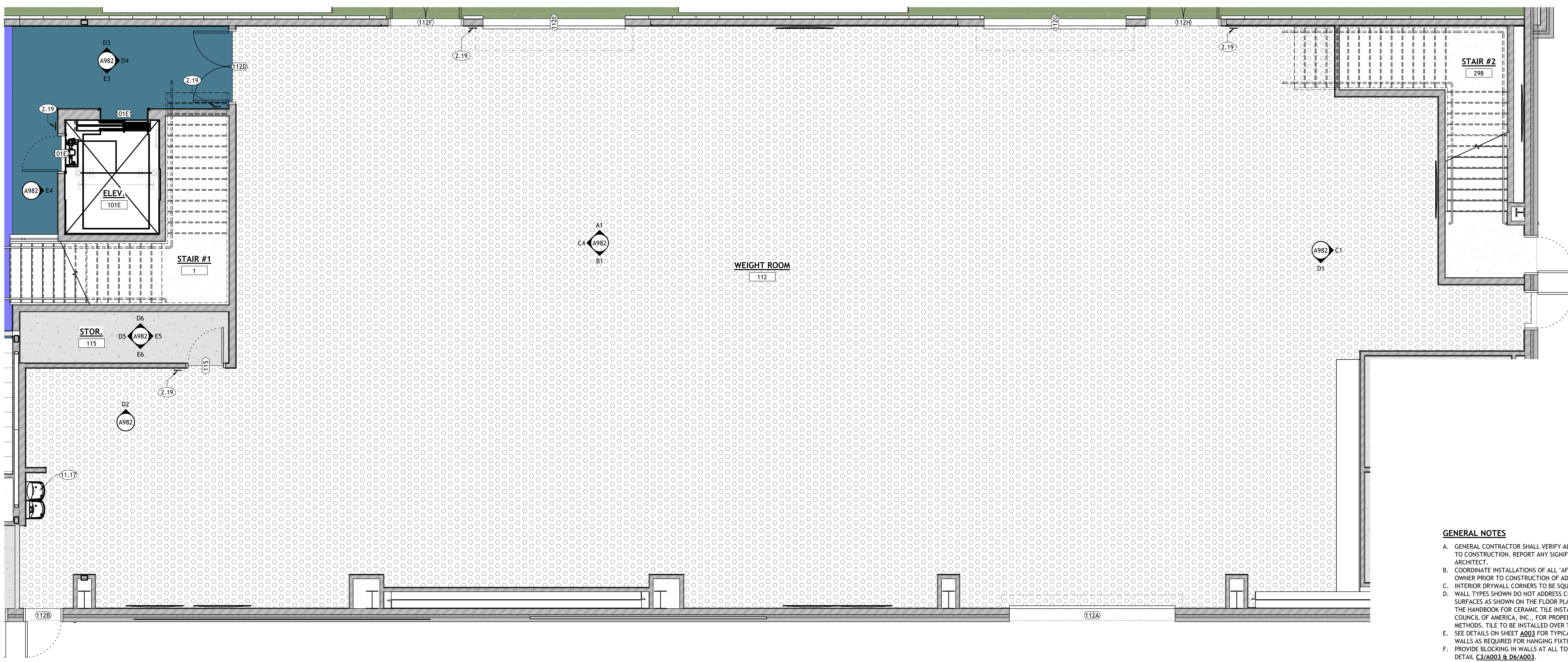
FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES



ENLARGED WEIGHT ROOM
A981 | SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET **A003** FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - ENLARGED WEIGHT ROOM

SHEET NUMBER

A981

A1 WEIGHT ROOM 109 - B — A982 | SCALE: 1/4" = 1'-0"

B1 WEIGHT ROOM 109 - D — A982 | SCALE: 1/4" = 1'-0"

C1 WEIGHT ROOM 112 - C — A982 | SCALE: 1/4" = 1'-0"

C4 WEIGHT ROOM 109 - A — A982 | SCALE: 1/4" = 1'-0"

D1 WEIGHT ROOM 112 - B — A982 | SCALE: 1/4" = 1'-0"

D2 WEIGHT ROOM 112 — A982 | SCALE: 1/4" = 1'-0"

D3 CORRIDOR 113 ALT. — A982 | SCALE: 1/4" = 1'-0"

D4 CORRIDOR 113 ALT. — A982 | SCALE: 1/4" = 1'-0"

D5 STORAGE 109B - A — A982 | SCALE: 1/4" = 1'-0"

D6 STORAGE 109B - B — A982 | SCALE: 1/4" = 1'-0"

E3 CORRIDOR 113 ALT. — A982 | SCALE: 1/4" = 1'-0"

E4 CORRIDOR 113 ALT. — A982 | SCALE: 1/4" = 1'-0"

E5 STORAGE 109B - C — A982 | SCALE: 1/4" = 1'-0"

E6 STORAGE 109B - D — A982 | SCALE: 1/4" = 1'-0"

KEYNOTES

2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD
6.57	4' TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
7.94	65" TV. COORDINATE WITH ELECTRICAL
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION

* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

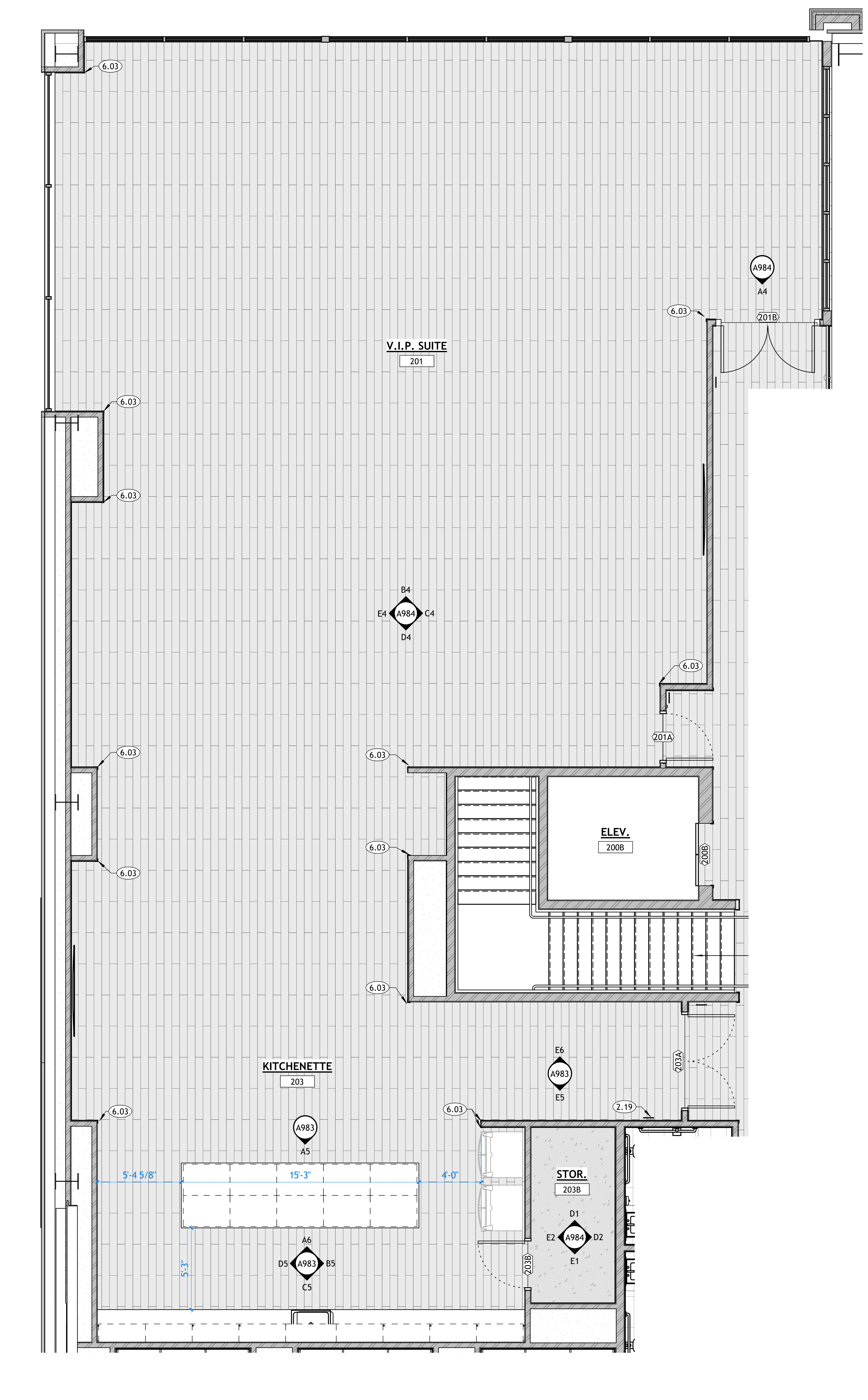
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

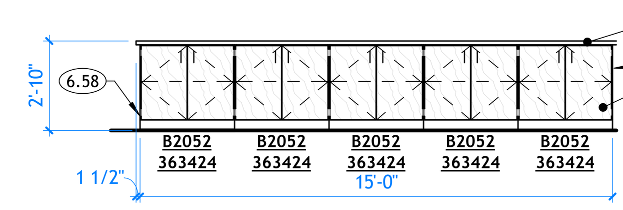
ALTERNATE - ENLARGED WIEGHT ROOM

SHEET NUMBER

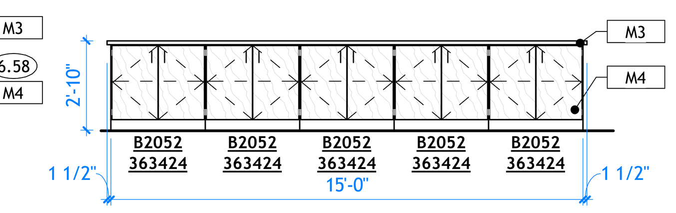
A982



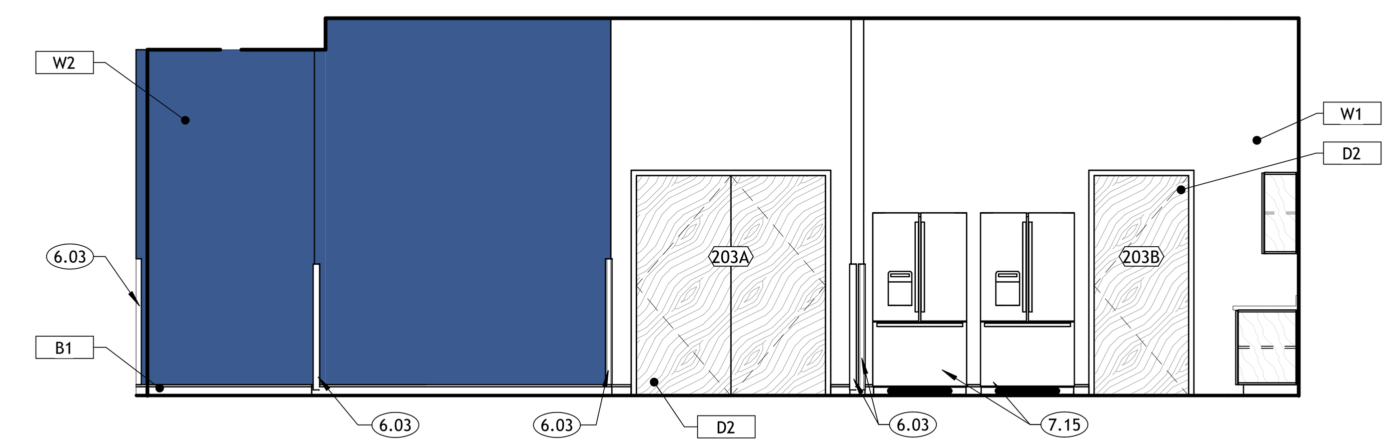
ENLARGED V.I.P. SUITE - ALTERNATIVE
A983 | SCALE: 1/4" = 1'-0"



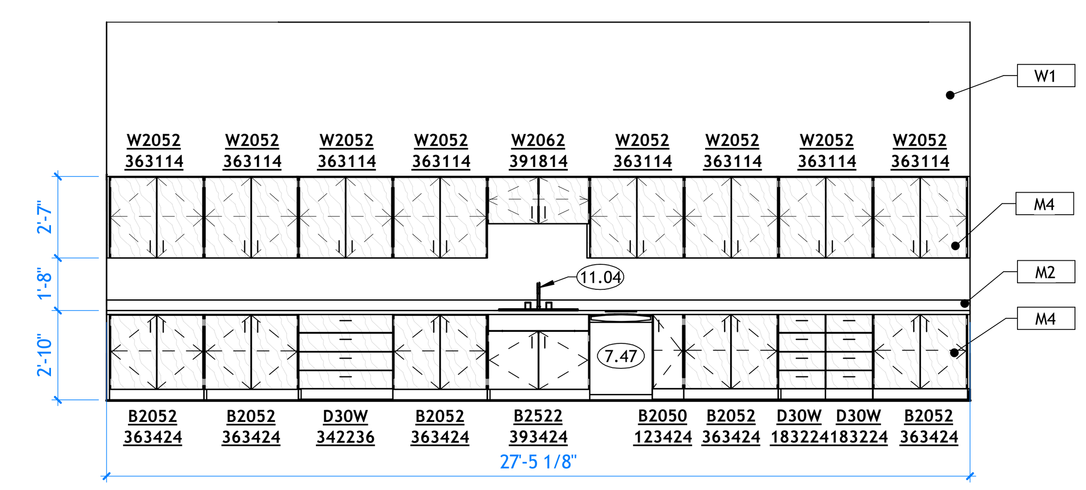
A5 KITCHENETTE 203 -
A983 | SCALE: 1/4" = 1'-0"



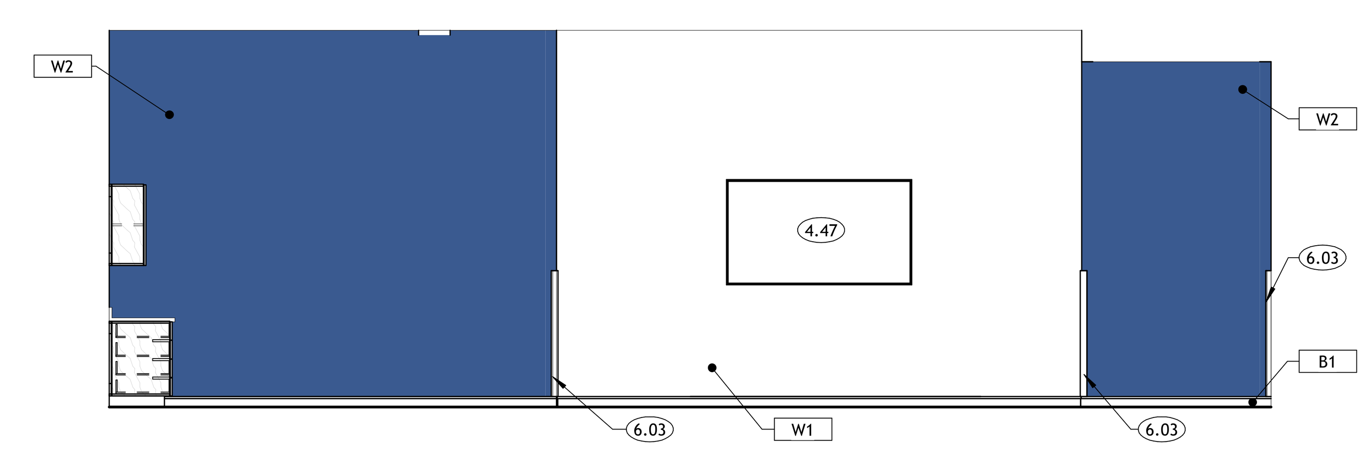
A6 KITCHENETTE 203 - A
A983 | SCALE: 1/4" = 1'-0"



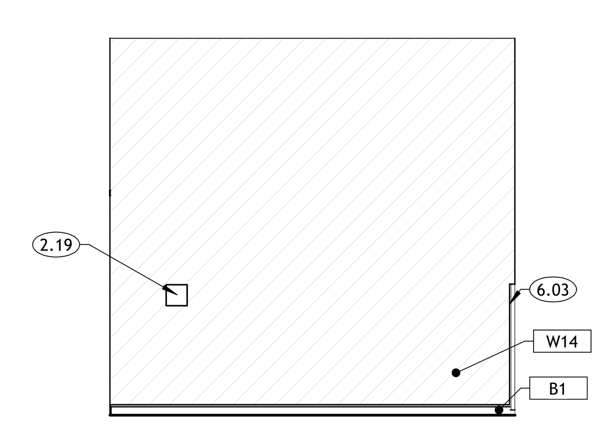
B5 KITCHENETTE 203 - B
A983 | SCALE: 1/4" = 1'-0"



C5 KITCHENETTE 203 - C
A983 | SCALE: 1/4" = 1'-0"



D5 KITCHENETTE 203 - D
A983 | SCALE: 1/4" = 1'-0"



E5 KITCHENETTE 203 - E
A983 | SCALE: 1/4" = 1'-0"

E6 KITCHENETTE 203 - F
A983 | SCALE: 1/4" = 1'-0"

KEYNOTES

2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
4.47	TELEVISION (CPCI). CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD
6.58	PROVIDE 3/4" END PANEL. TO MATCH SCHEDULED MILLWORK FINISH
7.15	REFRIGERATOR WITH FREEZER (N.I.C.)
7.47	ADA HEIGHT DISHWASHER (OFCI).
11.04	SINK. SEE PLUMBING.

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

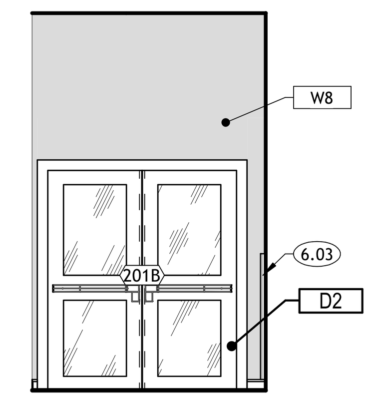
ALTERNATE - ENLARGED V.I.P. SUITE

SHEET NUMBER

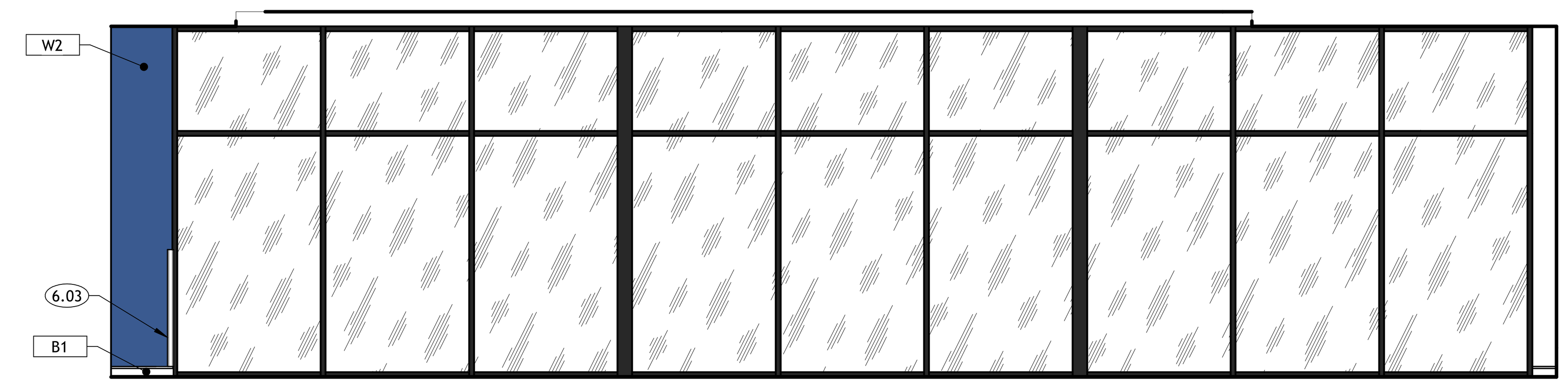
A983

1 2 3 4 5 6 7

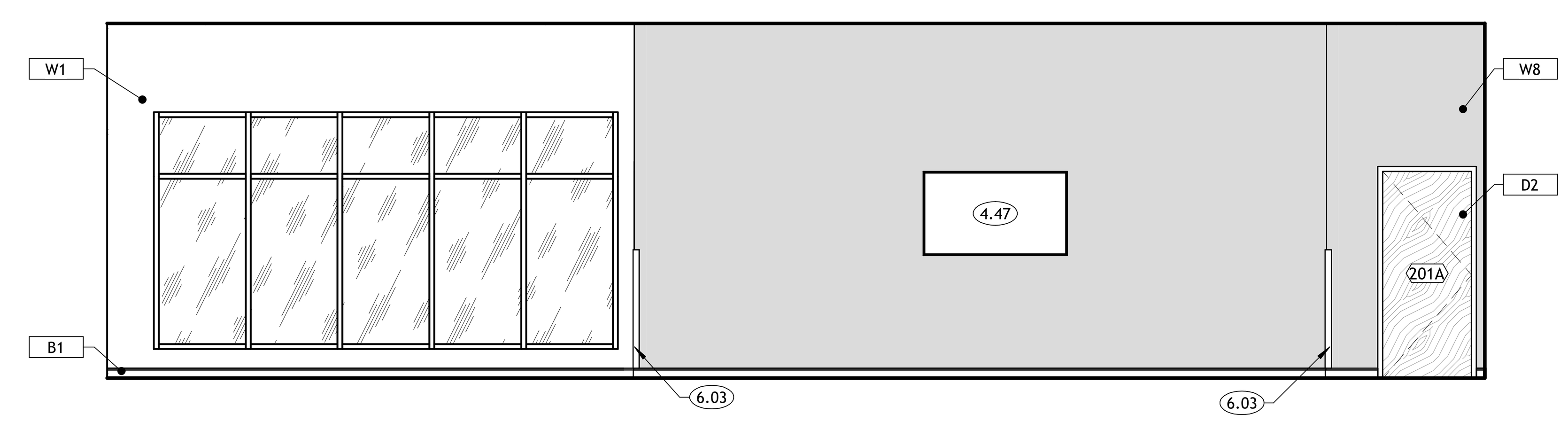
A B C D E



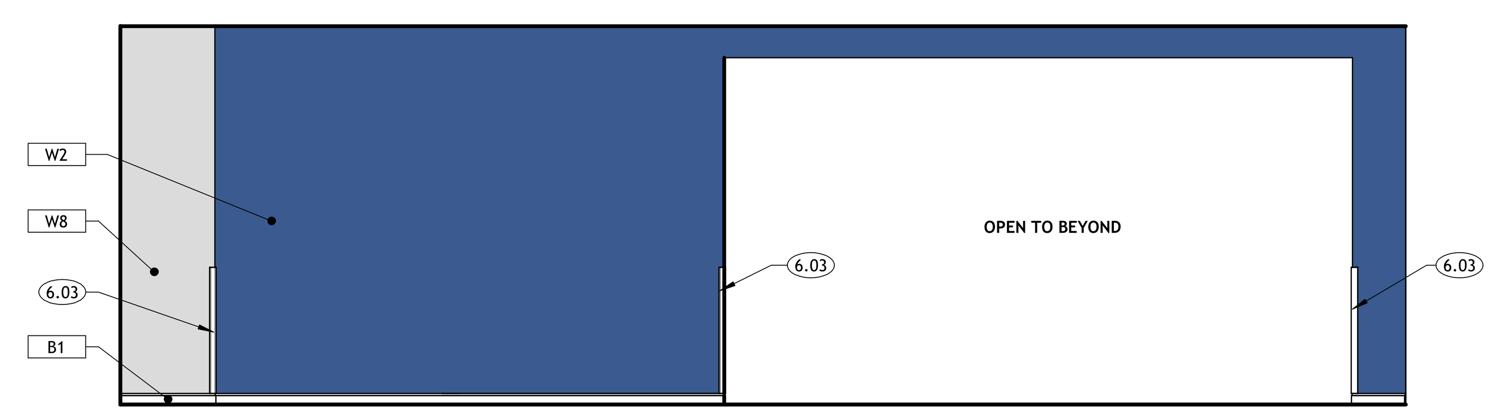
A4 2 - c
A984 | SCALE: 1/4" = 1'-0"



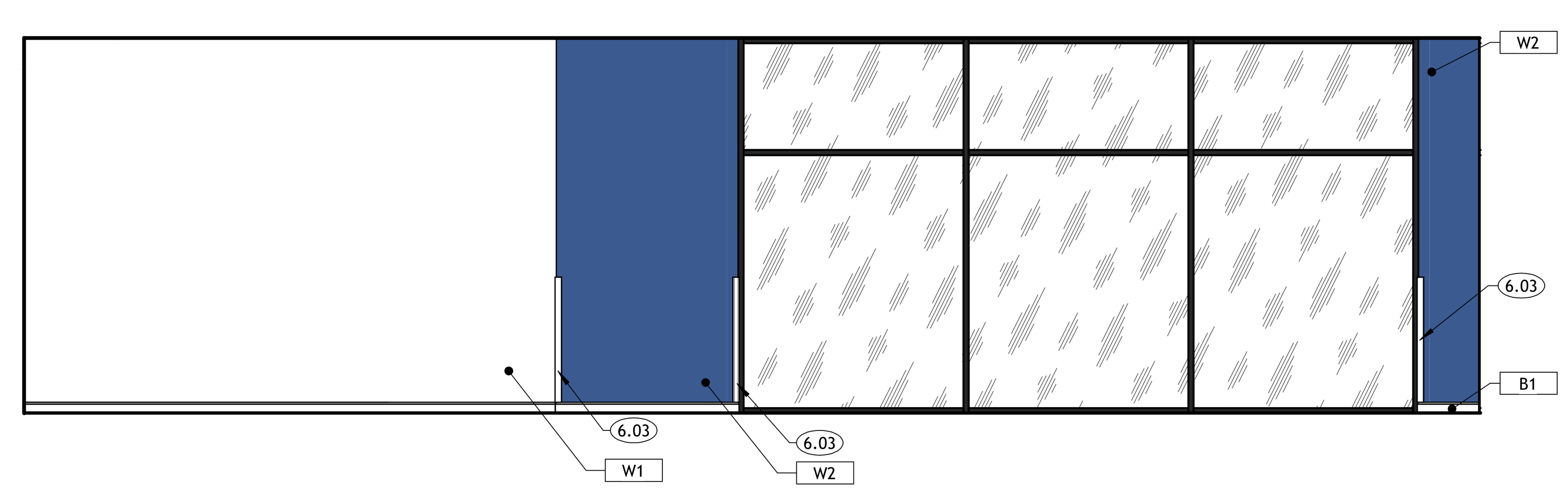
B4 V.I.P. SUITE 201 - A
A984 | SCALE: 1/4" = 1'-0"



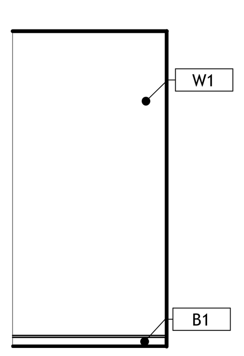
C4 V.I.P. SUITE 201 - B
A984 | SCALE: 1/4" = 1'-0"



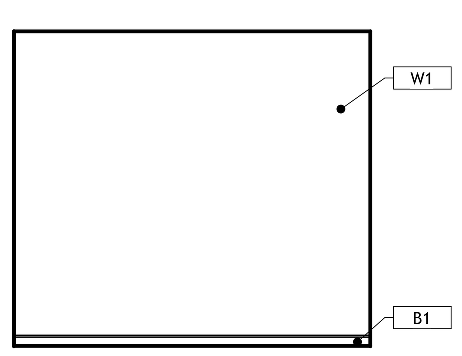
D4 V.I.P. SUITE 201 - C
A984 | SCALE: 1/4" = 1'-0"



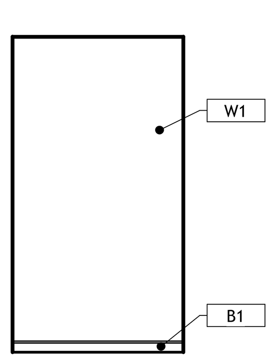
E4 V.I.P. SUITE 201 - D
A984 | SCALE: 1/4" = 1'-0"



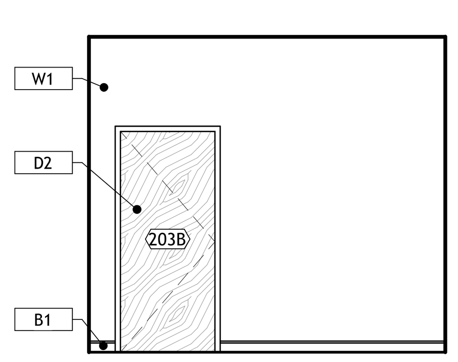
D1 STORAGE 203B - A
A984 | SCALE: 1/4" = 1'-0"



D2 STORAGE 203B - B
A984 | SCALE: 1/4" = 1'-0"



E1 STORAGE 203B - C
A984 | SCALE: 1/4" = 1'-0"



E2 STORAGE 203B - D
A984 | SCALE: 1/4" = 1'-0"

KEYNOTES

4.47	TELEVISION (CPCI). CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET **A003** FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - ENLARGED V.I.P. SUITE

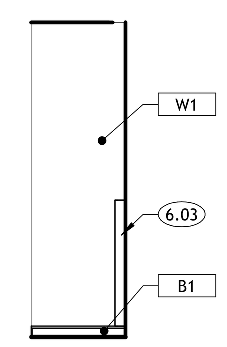
SHEET NUMBER

A984

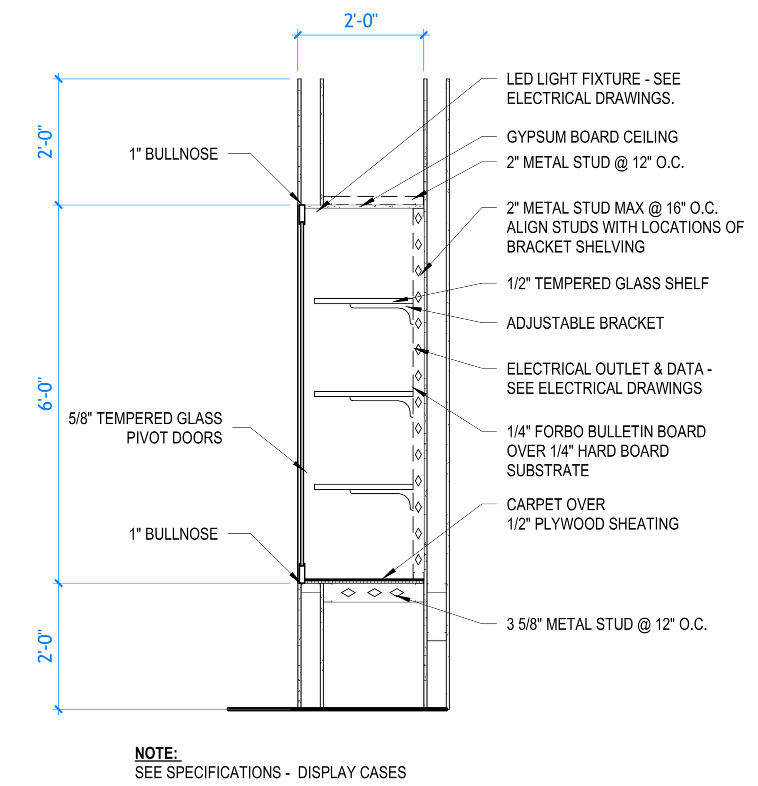
1 2 3 4 5 6 7

KEYNOTES

6.03	4' TALL STAINLESS STEEL CORNER GUARD
7.21	DISPLAY CASE. SEE SPECIFICATIONS.

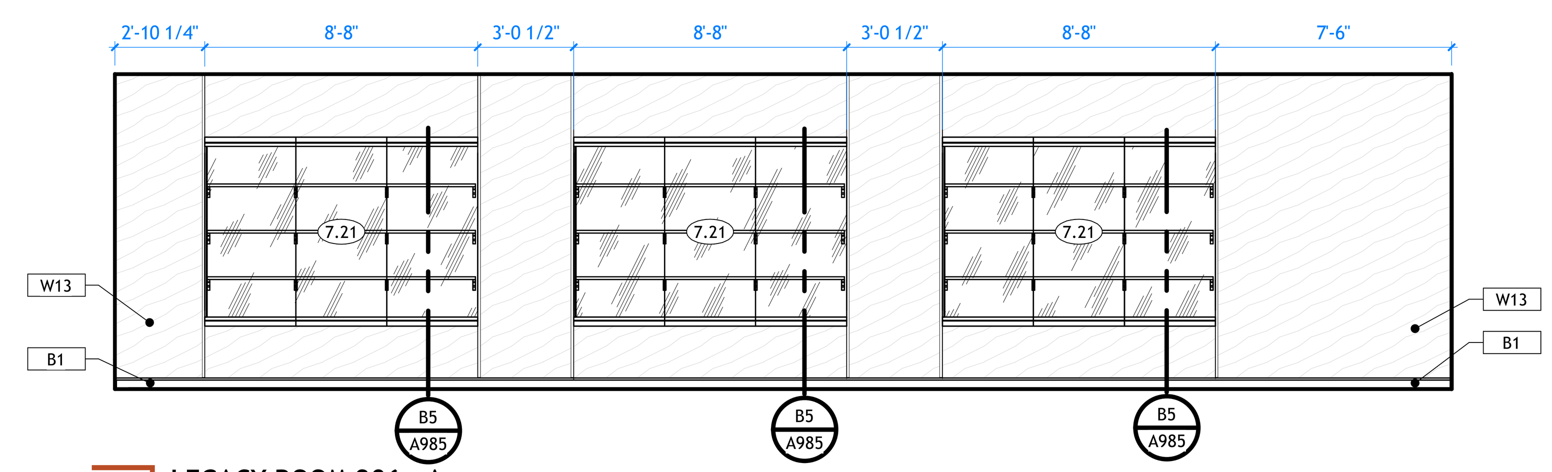


B4 LEGACY ROOM 206
A985 | SCALE: 1/4" = 1'-0"

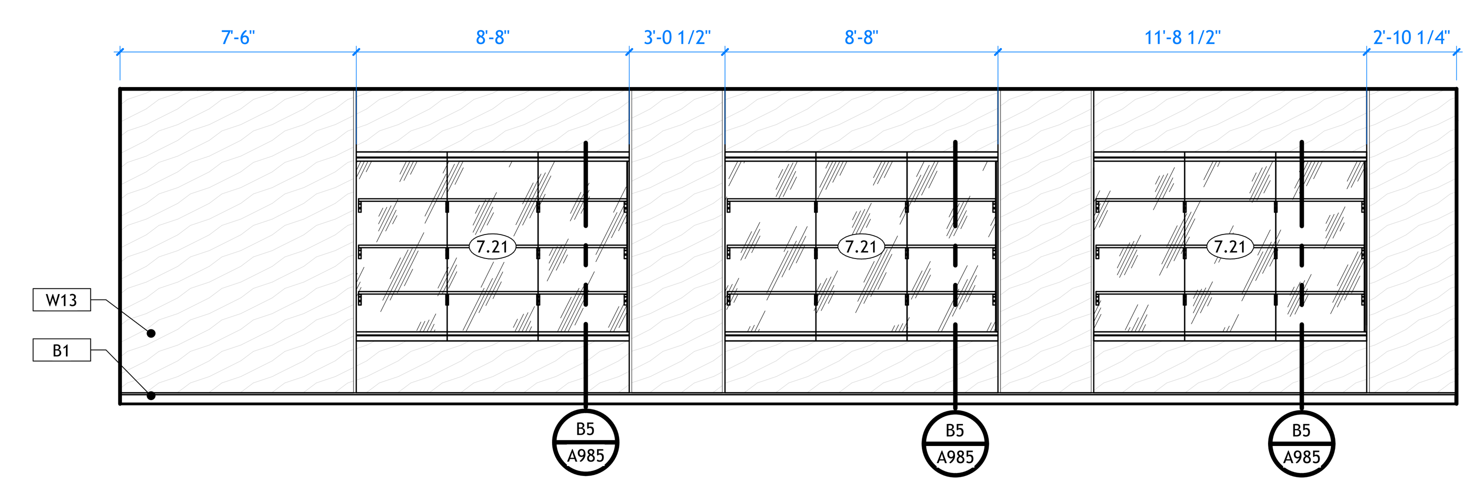


NOTE:
SEE SPECIFICATIONS - DISPLAY CASES

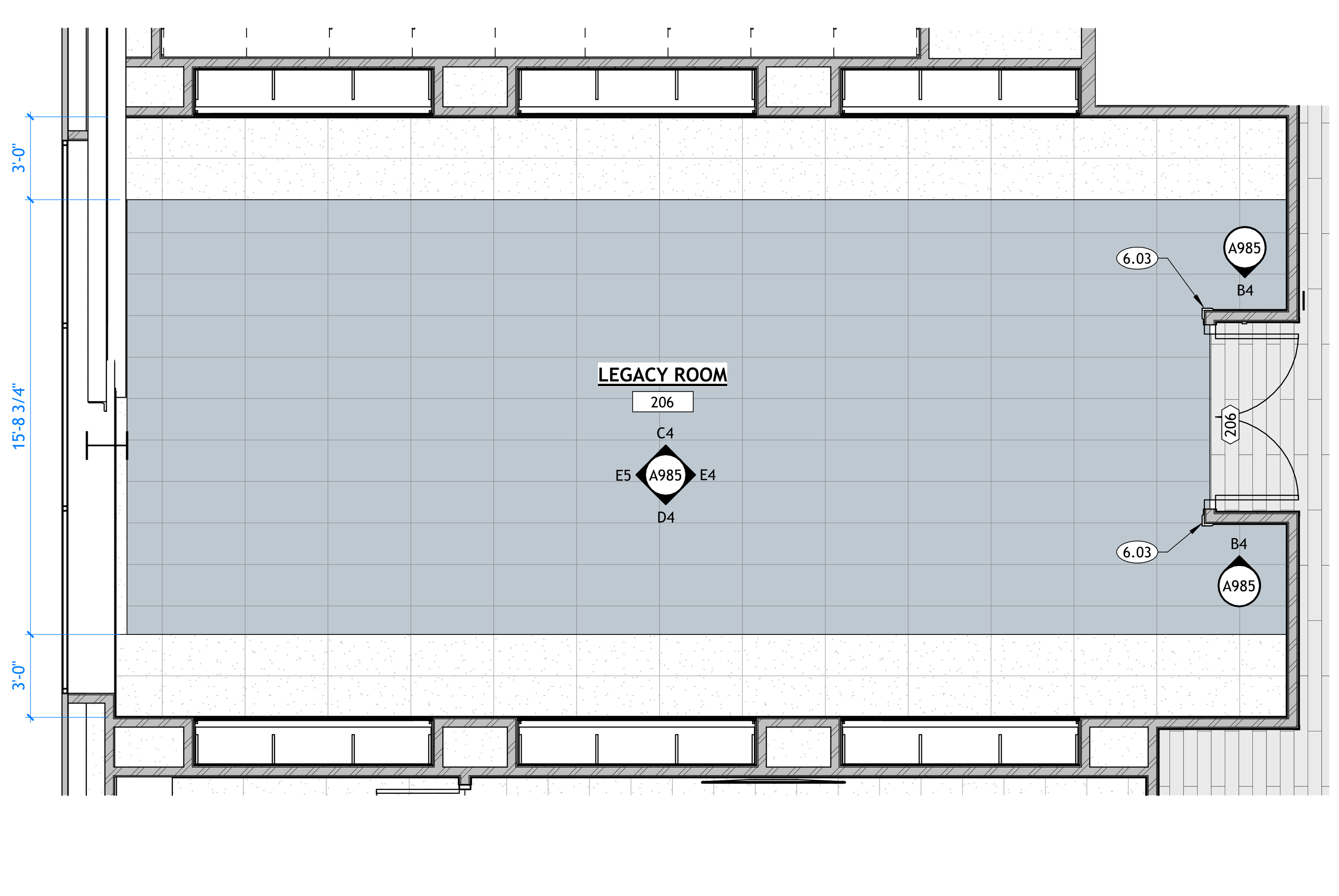
B5 LEGACY ROOM DISPLAY CASES
A985 | SCALE: 1/2" = 1'-0"



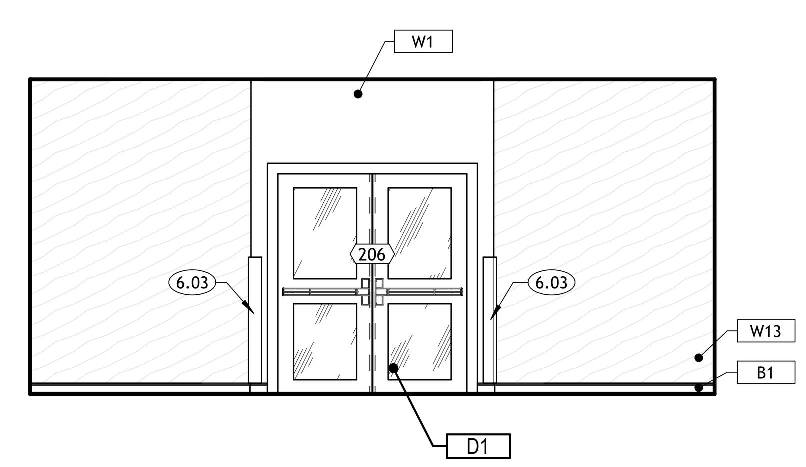
C4 LEGACY ROOM 206 - A
A985 | SCALE: 1/4" = 1'-0"



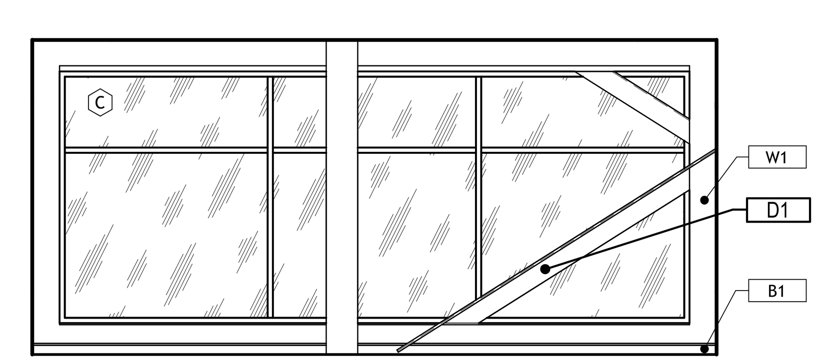
D4 LEGACY ROOM 206 - D
A985 | SCALE: 1/4" = 1'-0"



ENLARGED LEGACY ROOM - ALTERNATIVE
A985 | SCALE: 1/4" = 1'-0"



E4 LEGACY ROOM 206 - C
A985 | SCALE: 1/4" = 1'-0"



E5 LEGACY ROOM 206 - E
A985 | SCALE: 1/4" = 1'-0"

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET **A003** FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL **C3/A003 & D6/A003**.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

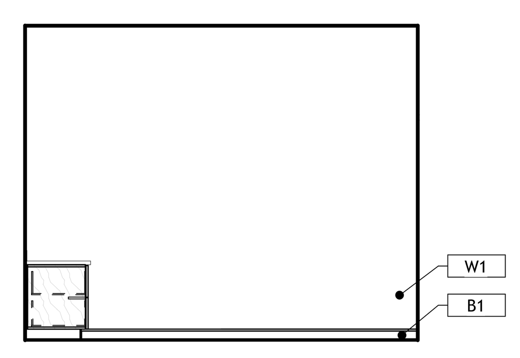
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

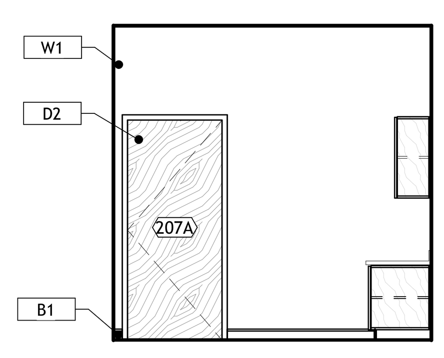
ALTERNATE - ENLARGED LEGACY ROOM

SHEET NUMBER

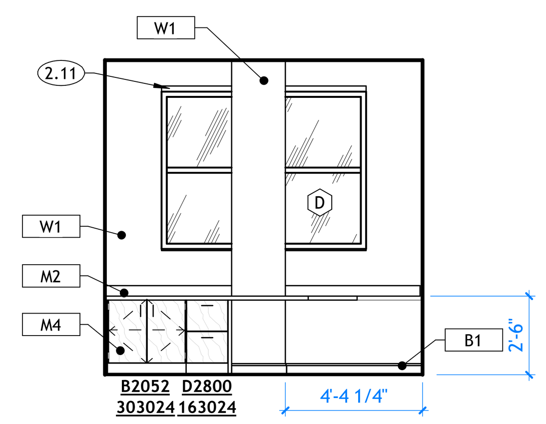
A985



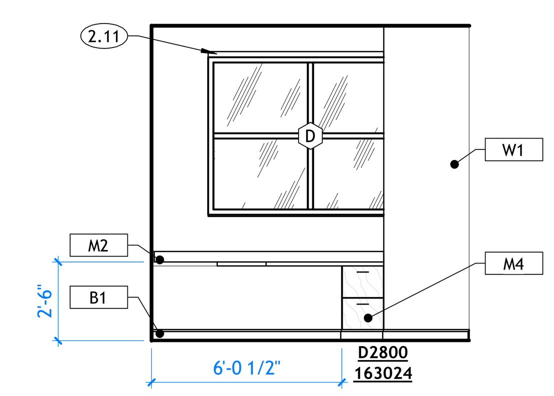
A1 TYPICAL OFFICE - A
A986 | SCALE: 1/4" = 1'-0"



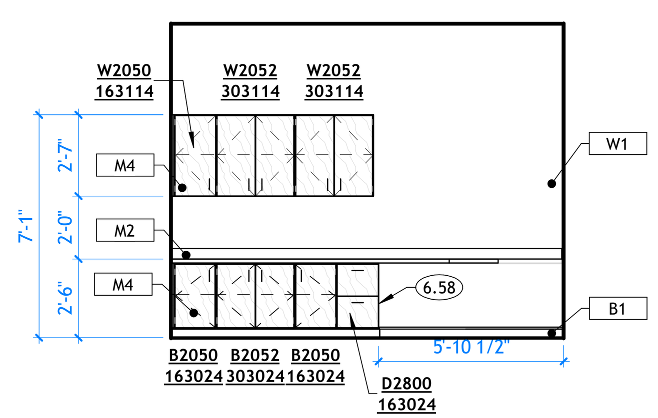
A2 TYPICAL OFFICE - B
A986 | SCALE: 1/4" = 1'-0"



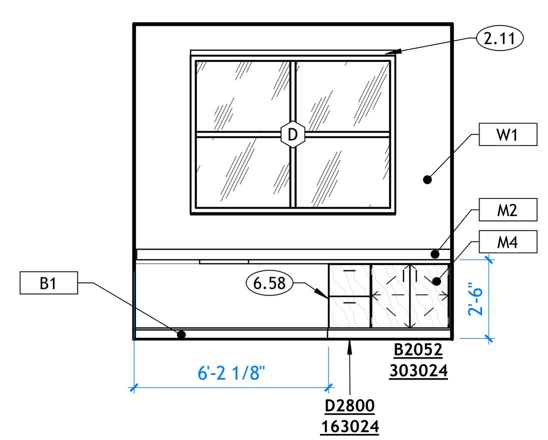
A4 OFFICE 208E - A
A986 | SCALE: 1/4" = 1'-0"



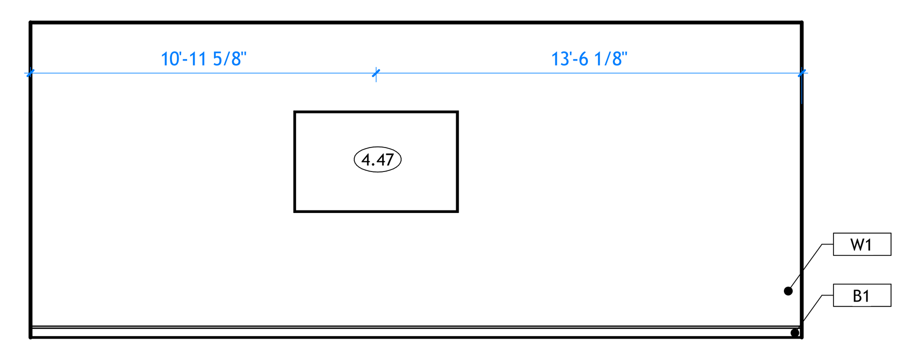
A5 OFFICE 207C - B
A986 | SCALE: 1/4" = 1'-0"



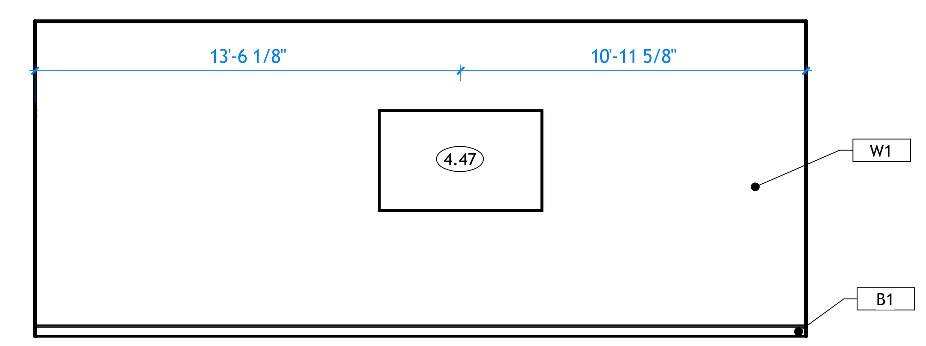
B1 TYPICAL OFFICE - C
A986 | SCALE: 1/4" = 1'-0"



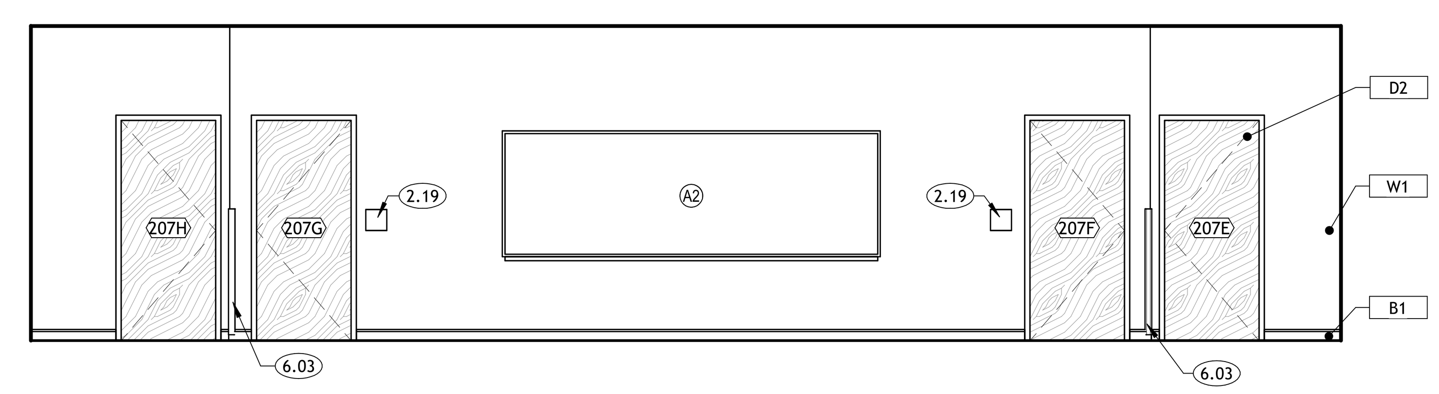
B2 TYPICAL OFFICE - D
A986 | SCALE: 1/4" = 1'-0"



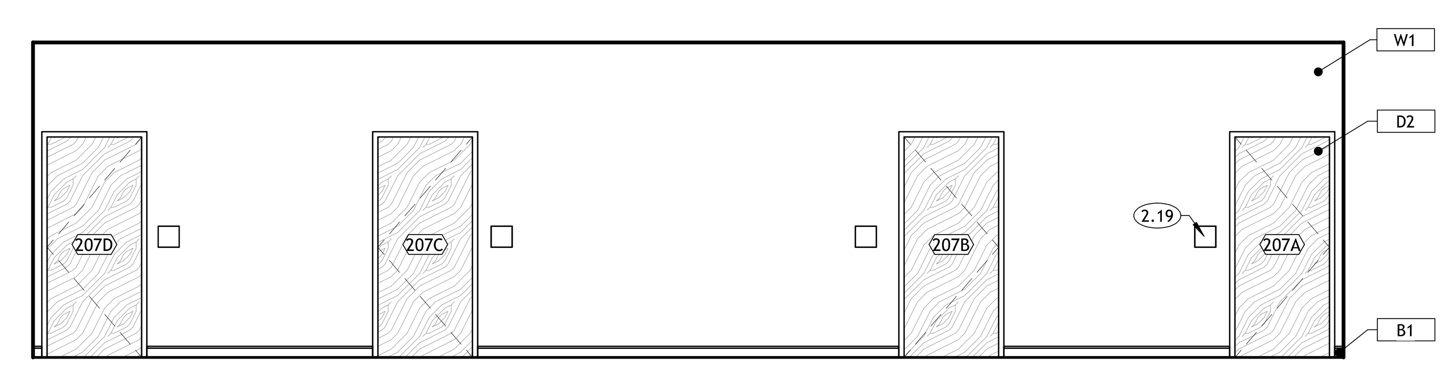
B4 CONFERENCE 207A - B
A986 | SCALE: 1/4" = 1'-0"



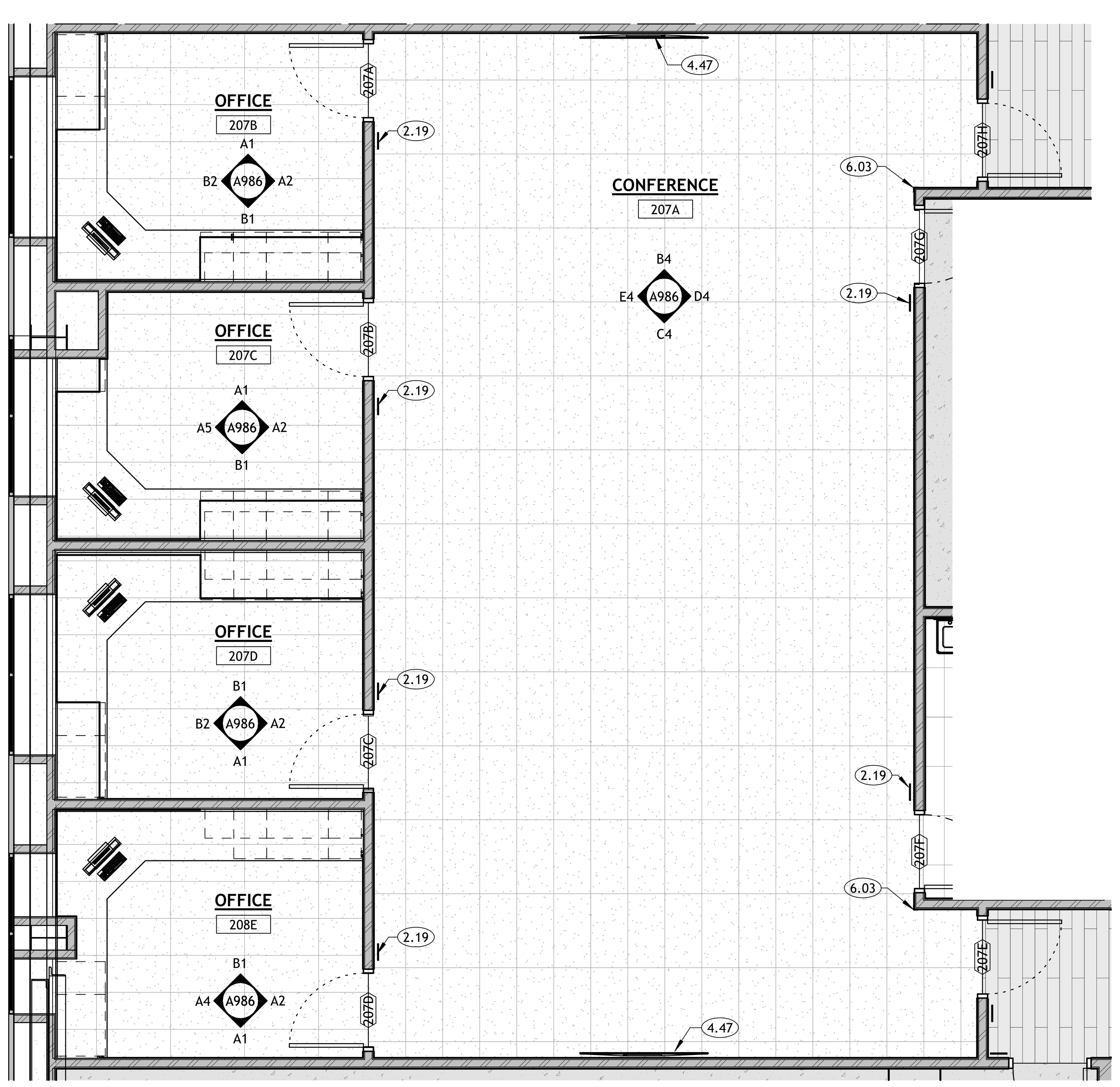
C4 CONFERENCE 207A - C
A986 | SCALE: 1/4" = 1'-0"



D4 CONFERENCE 207A - D
A986 | SCALE: 1/4" = 1'-0"



E4 CONFERENCE 207A - E
A986 | SCALE: 1/4" = 1'-0"



ENLARGED V.I.P. SUITE - CONFERENCE ROOM
A986 | SCALE: 1/4" = 1'-0"

KEYNOTES

2.11	SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.
2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
4.47	TELEVISION (CPCI). CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD
6.58	PROVIDE 3/4" END PANEL. TO MATCH SCHEDULED MILLWORK FINISH

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

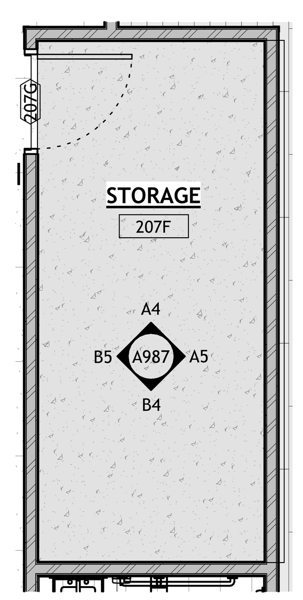
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

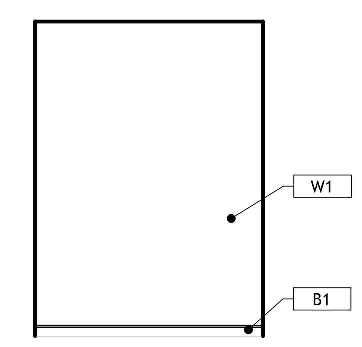
ALTERNATE - ENLARGED CONFERENCE ROOM

SHEET NUMBER

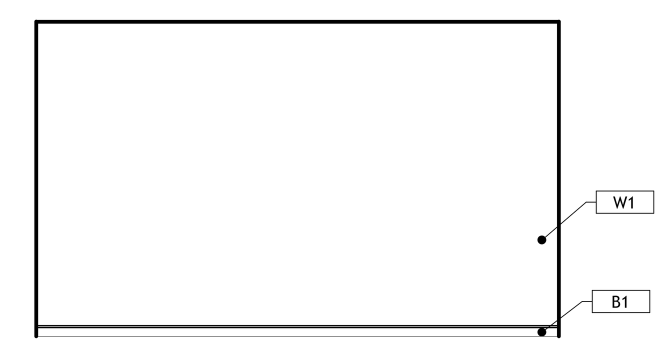
A986



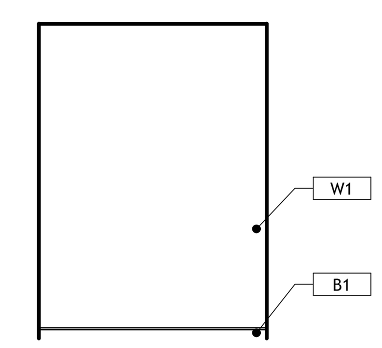
ENLARGED STORAGE 207F
A987 | SCALE: 1/4" = 1'-0"



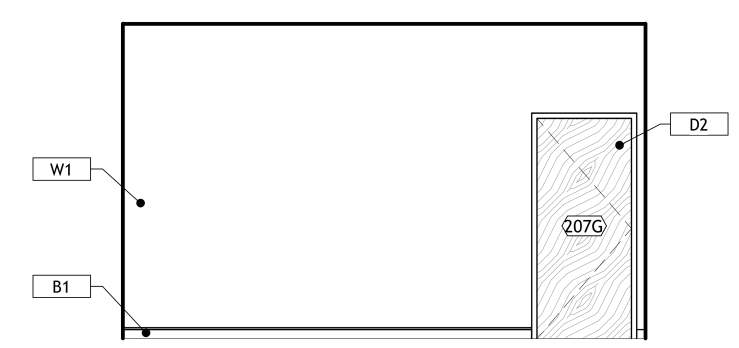
A4 STORAGE 207F - A
A987 | SCALE: 1/4" = 1'-0"



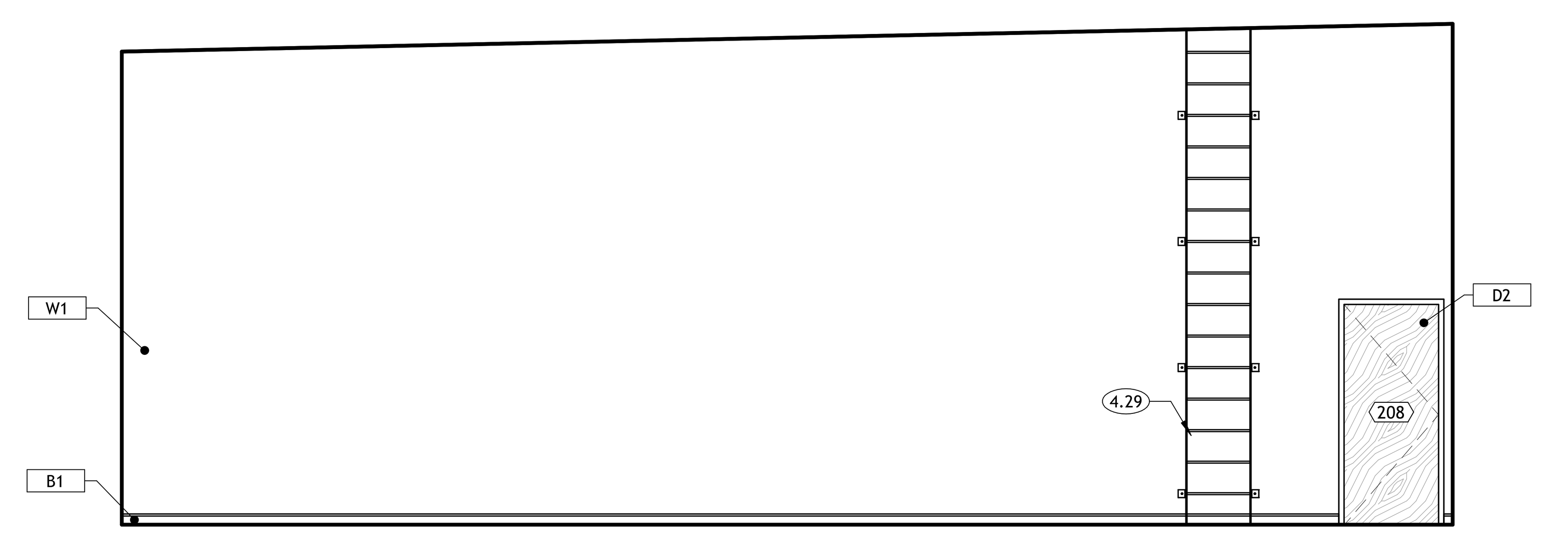
A5 STORAGE 207F - A5
A987 | SCALE: 1/4" = 1'-0"



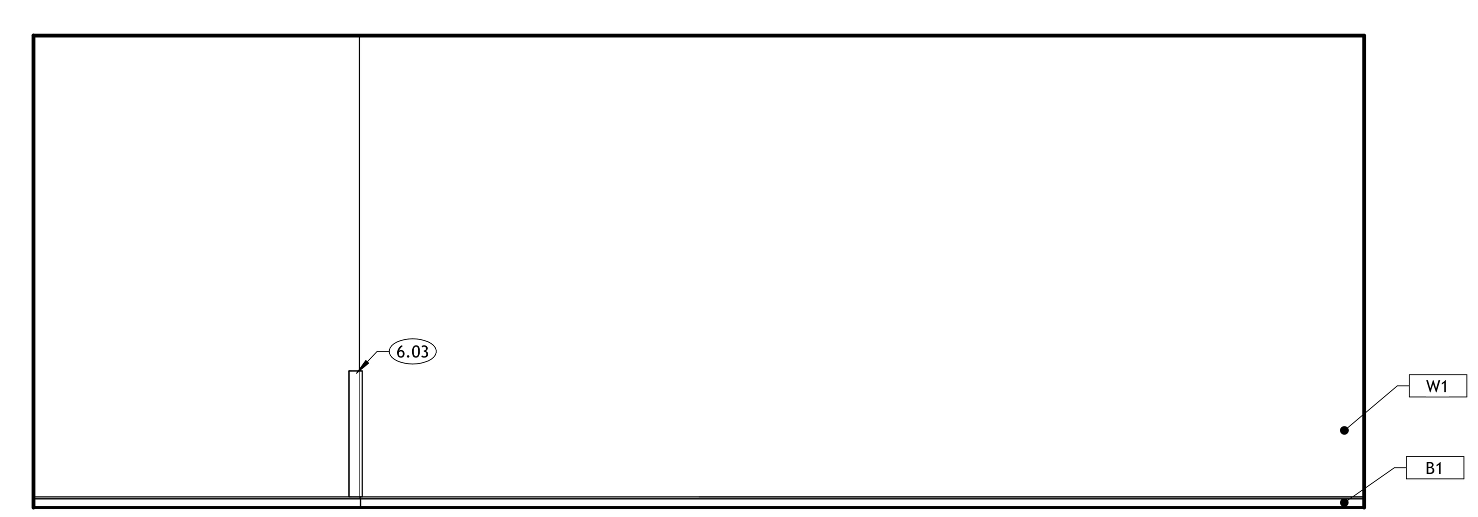
B4 STORAGE 207F - B4
A987 | SCALE: 1/4" = 1'-0"



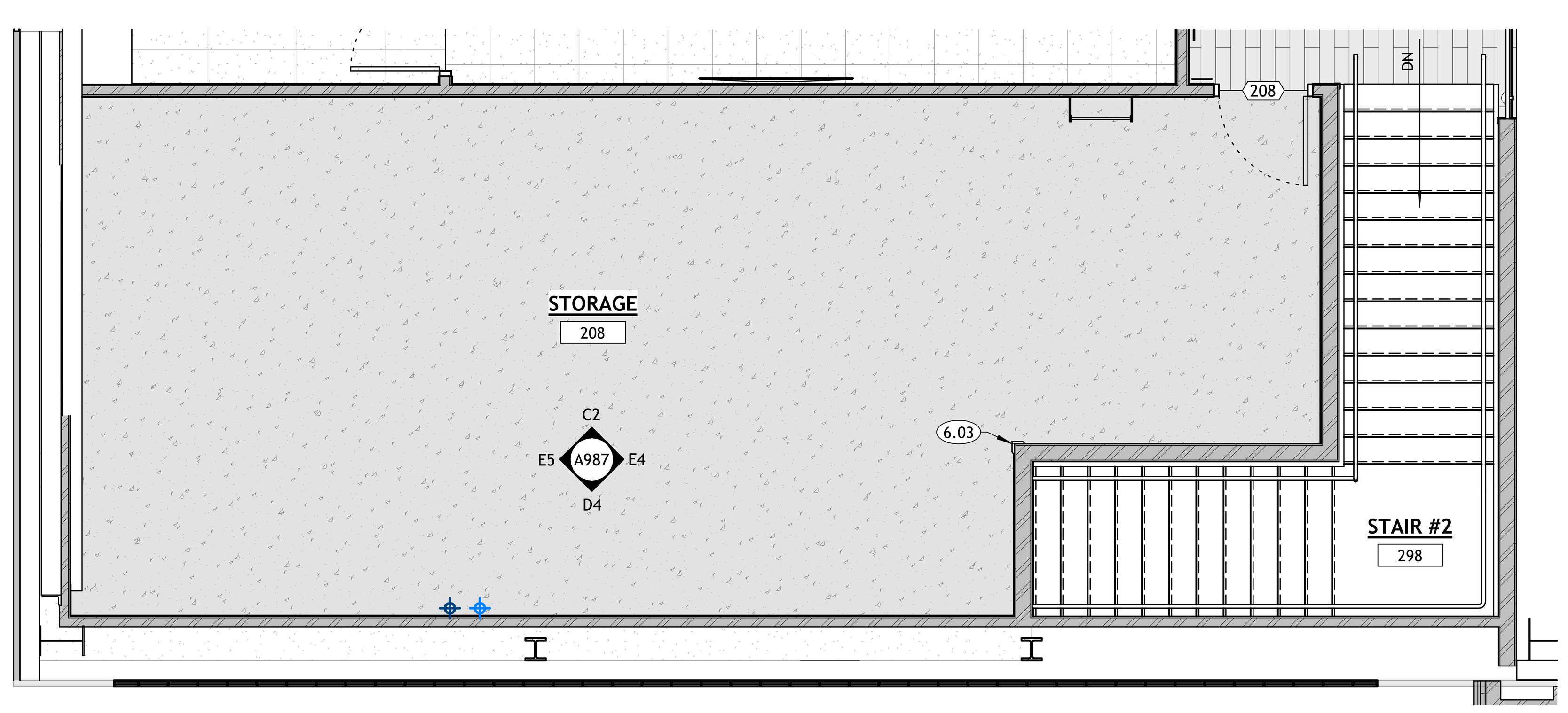
B5 STORAGE 207F - B
A987 | SCALE: 1/4" = 1'-0"



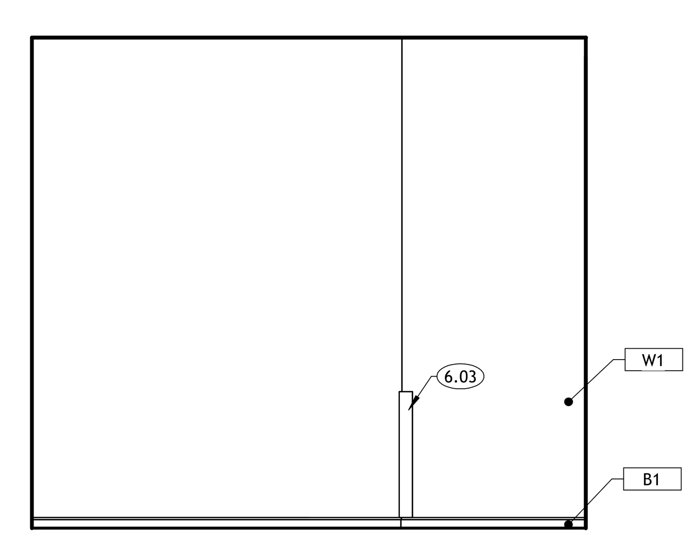
C2 STORAGE 208 - C
A987 | SCALE: 1/4" = 1'-0"



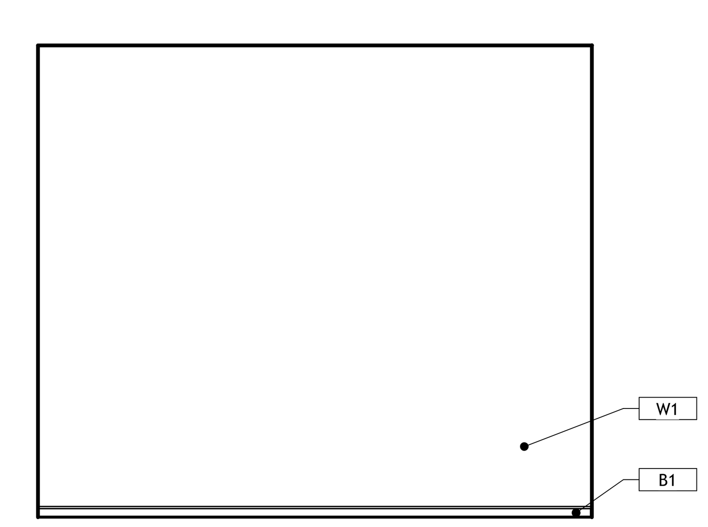
D4 STORAGE 208 - D
A987 | SCALE: 1/4" = 1'-0"



ENLARGED STORAGE 208
A987 | SCALE: 1/4" = 1'-0"



E4 STORAGE 208 - E
A987 | SCALE: 1/4" = 1'-0"



E5 STORAGE 208 - E
A987 | SCALE: 1/4" = 1'-0"

KEYNOTES

4.29	ROOF ACCESS LADDER AND HATCH
6.03	4' TALL STAINLESS STEEL CORNER GUARD

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

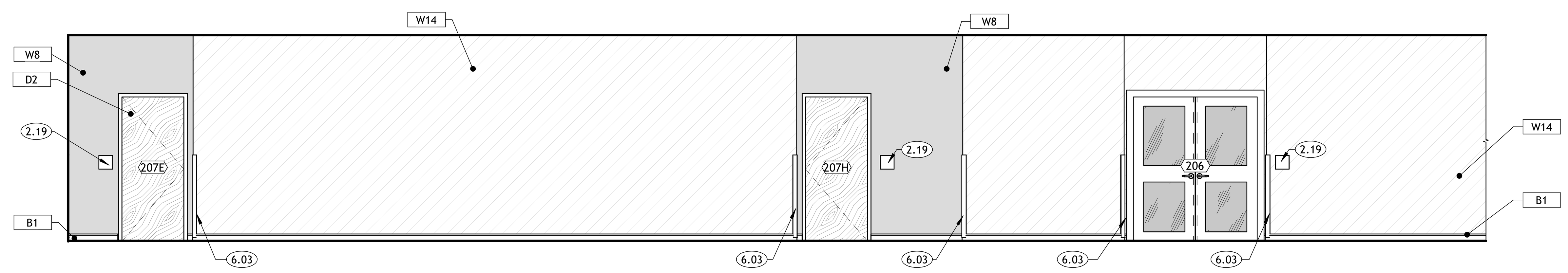
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

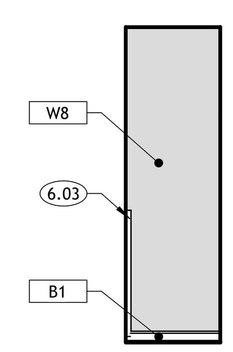
ALTERNATE - ENLARGED STORAGE

SHEET NUMBER

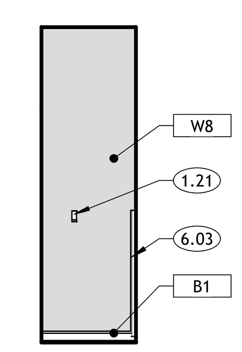
A987



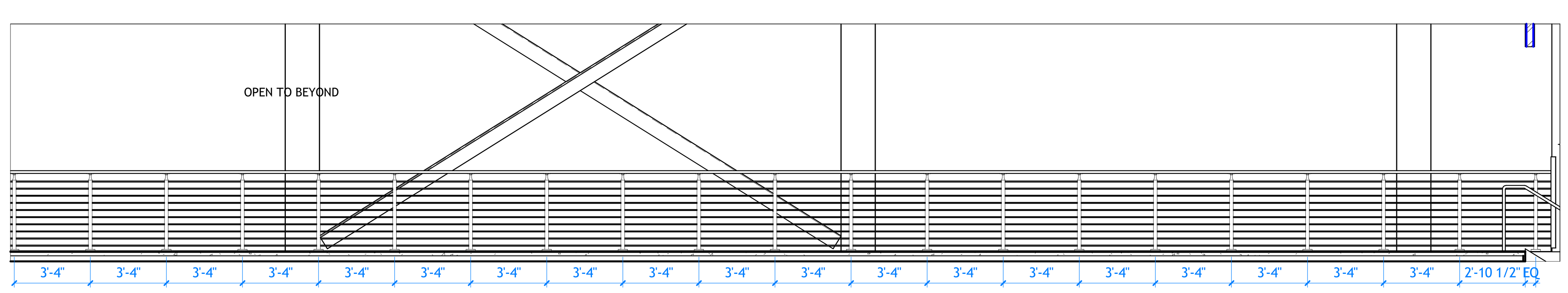
C1 **BALCONY 200 - C**
A988 | SCALE: 1/4" = 1'-0"



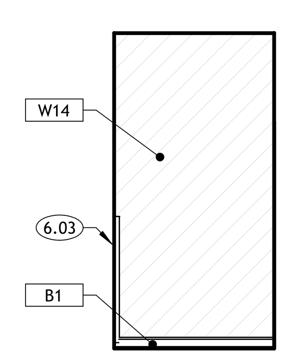
C5 **BALCONY**
A988 | SCALE: 1/4" = 1'-0"



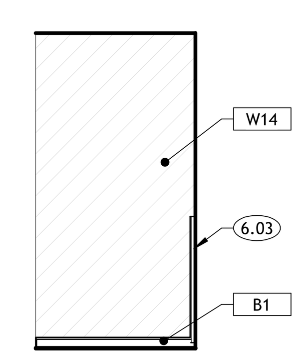
C6 **BALCONY**
A988 | SCALE: 1/4" = 1'-0"



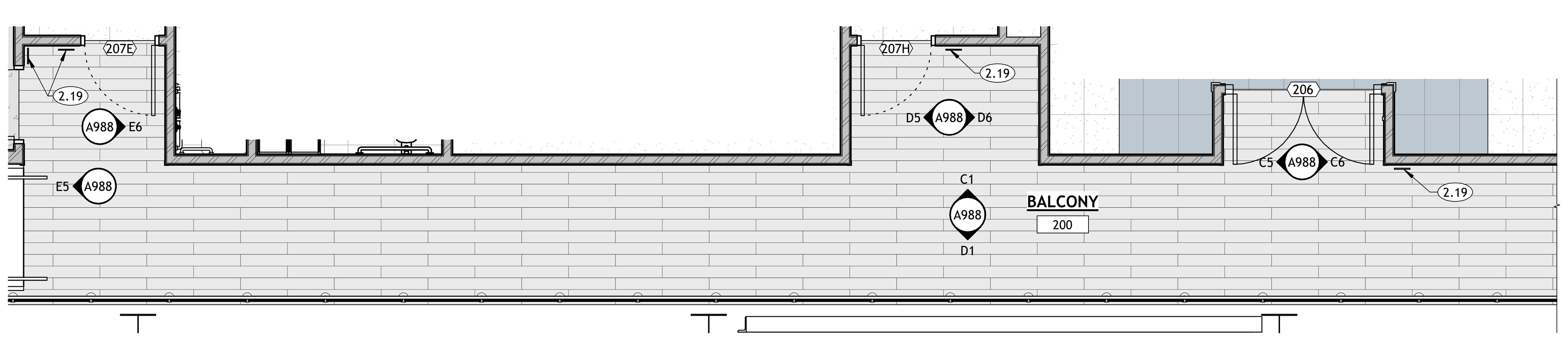
D1 **BALCONY 200 - D**
A988 | SCALE: 1/4" = 1'-0"



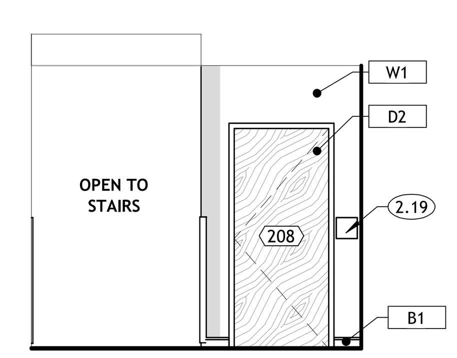
D5 **BALCONY**
A988 | SCALE: 1/4" = 1'-0"



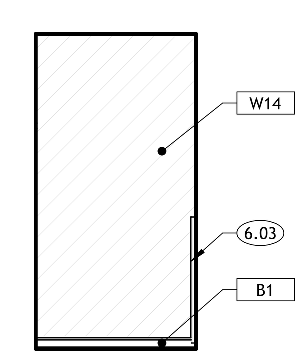
D6 **BALCONY**
A988 | SCALE: 1/4" = 1'-0"



ENLARGED BALCONY - ALTERNATIVE
A988 | SCALE: 1/4" = 1'-0"



E5 **BALCONY 200 - A**
A988 | SCALE: 1/4" = 1'-0"



E6 **BALCONY**
A988 | SCALE: 1/4" = 1'-0"

KEYNOTES

1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

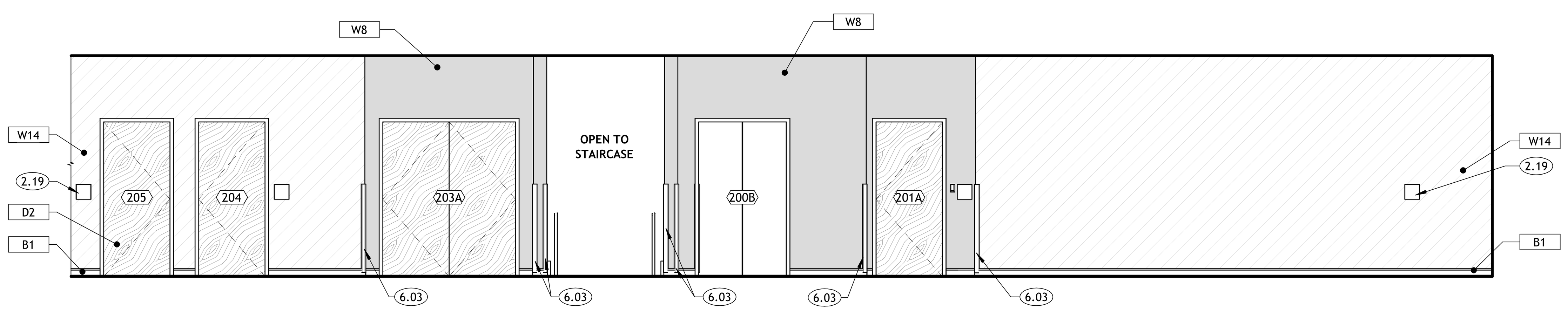
ALTERNATE - ENLARGED BALCONY

SHEET NUMBER

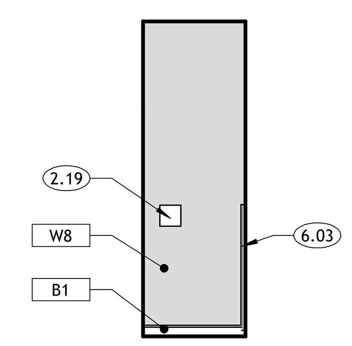
A988

1 2 3 4 5 6 7

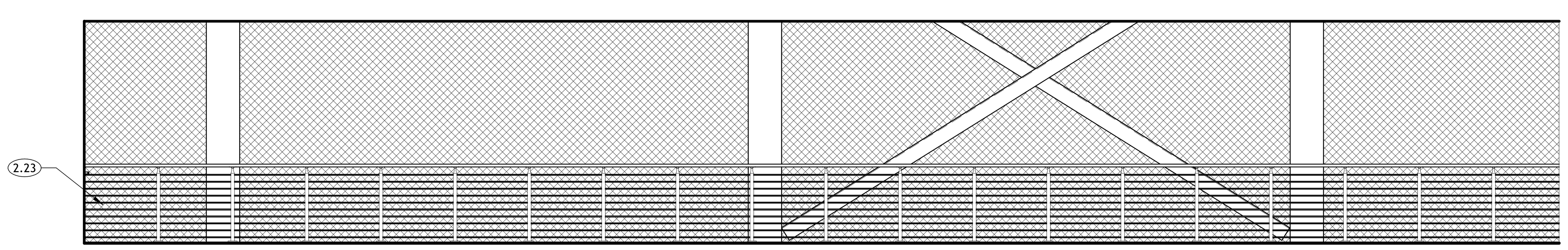
A B C D E



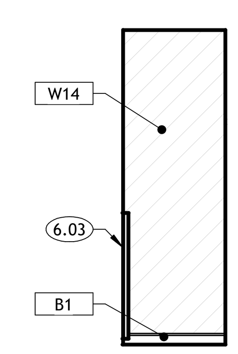
C1 1 - a
A989 | SCALE: 1/4" = 1'-0"



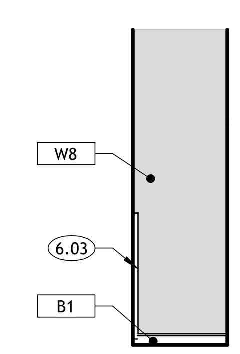
C6 ENLARGED BALCONY
A989 | SCALE: 1/4" = 1'-0"



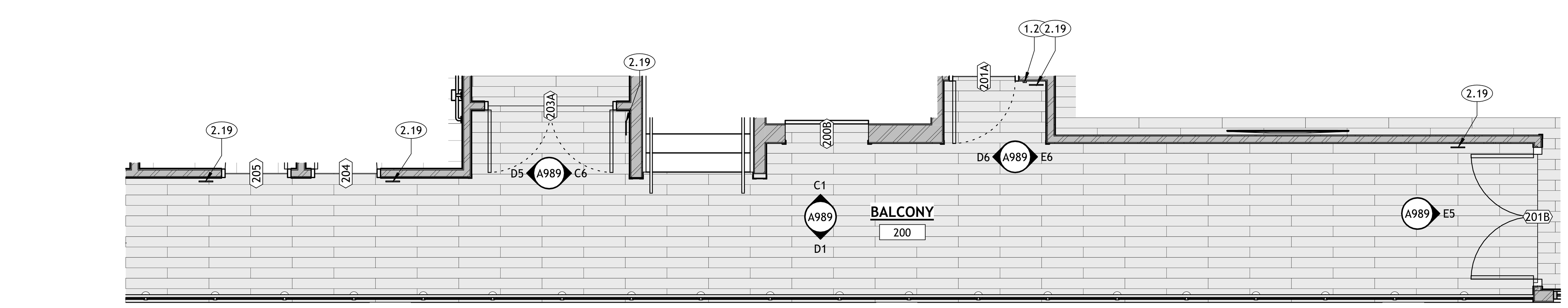
D1 3 - c
A989 | SCALE: 1/4" = 1'-0"



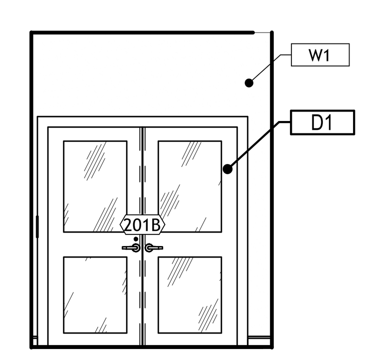
D5 BALCONY
A989 | SCALE: 1/4" = 1'-0"



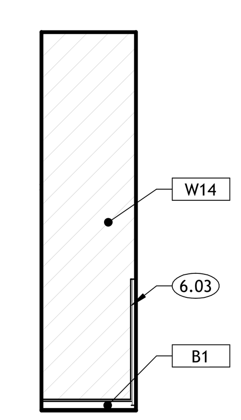
D6 BALCONY
A989 | SCALE: 1/4" = 1'-0"



UPPER FLOOR FURNISHINGS PLAN - ALTERNATIVE - 2
A989 | SCALE: 1/4" = 1'-0"



E5 BALCONY 200 - B
A989 | SCALE: 1/4" = 1'-0"



E6 BALCONY
A989 | SCALE: 1/4" = 1'-0"

KEYNOTES

1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
2.23	PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
6.03	4' TALL STAINLESS STEEL CORNER GUARD

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440

CONSULTANT INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - ENLARGED BALCONY

SHEET NUMBER

A989

1 2 3 4 5 6 7

A B C D E

KEYNOTES

1.06	ADA COMPLIANT 36" HORIZONTAL GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.09	ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
1.10	ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
1.11	ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
2.21	SHOWER CURTAIN AND ROD. SEE SPECIFICATIONS.
2.50	METAL GRID TEAM LOCKERS. SEE SPECIFICATIONS.
6.57	4' TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
7.01	TOILET PAPER DISPENSER. PORVIDED BY OWNER, INSTALLED BY CONTRACTOR. SEE A003 FOR MOUNTING HEIGHTS
7.55	SOAP DISPENSER. OWNER PROVIDED, CONTRACTOR INSTALLED.
11.01	TOILET. SEE PLUMBING.
11.04	SINK. SEE PLUMBING.
11.05	FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH

CONSULTANT INFORMATION

FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

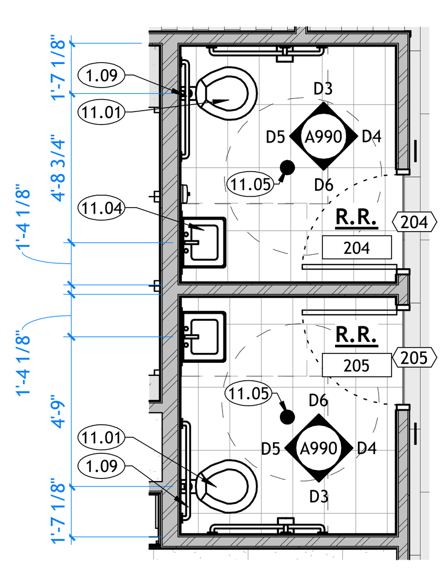
FINISH LEGEND

CODE	MATERIAL
2- BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3- WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4- MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

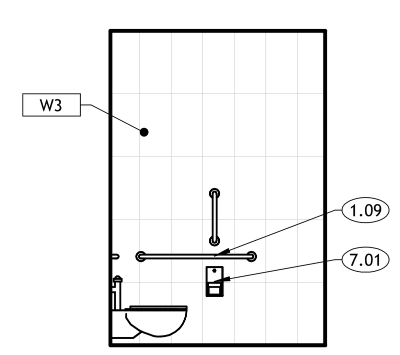
PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

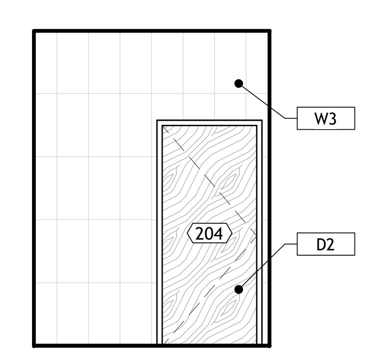
12943 SOUTH 700 EAST
DRAPER, UTAH 84020



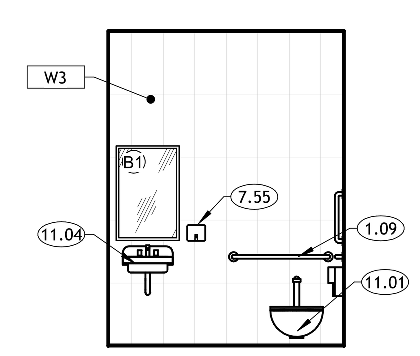
ENLARGED RESTROOM 204 & 205
A990 | SCALE: 1/4" = 1'-0"



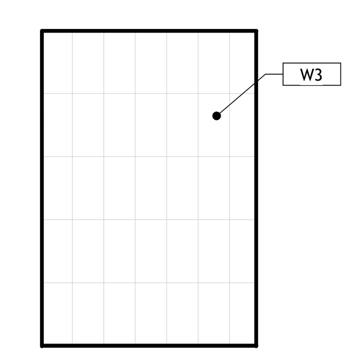
D3 RESTROOM 204 & 205 - A
A990 | SCALE: 1/4" = 1'-0"



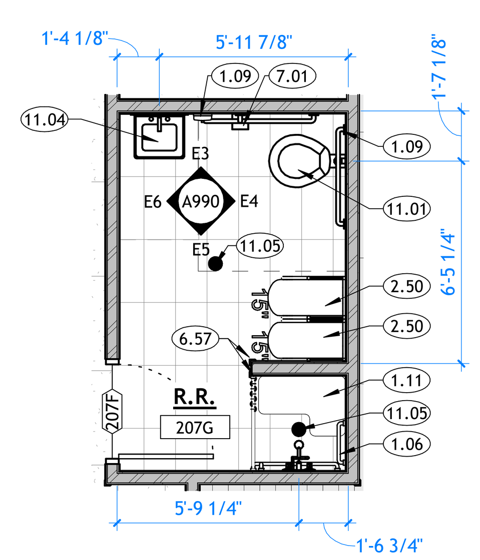
D4 RESTROOM 204 & 205 - B
A990 | SCALE: 1/4" = 1'-0"



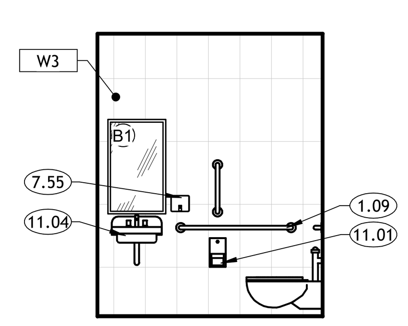
D5 RESTROOM 204 & 205 - C
A990 | SCALE: 1/4" = 1'-0"



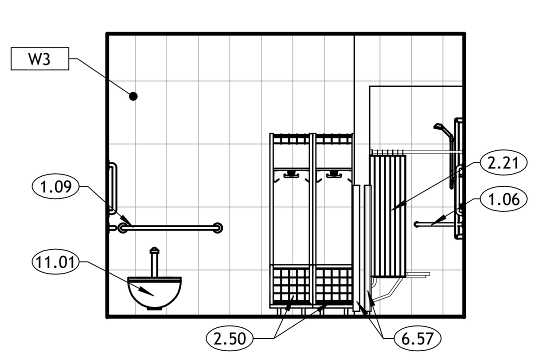
D6 RESTROOM 204 & 205 - D
A990 | SCALE: 1/4" = 1'-0"



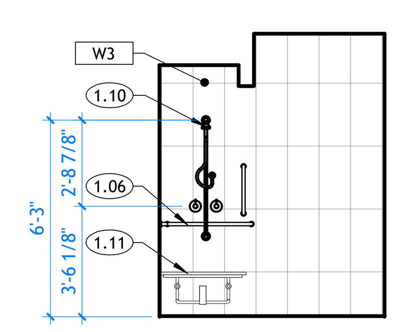
ENLARGED RESTROOM 207G
A990 | SCALE: 1/4" = 1'-0"



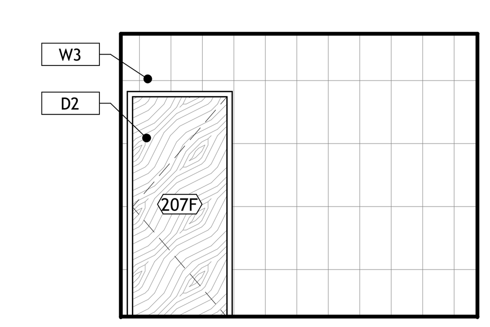
E3 RESTROOM 207G - A
A990 | SCALE: 1/4" = 1'-0"



E4 RESTROOM 207G - B
A990 | SCALE: 1/4" = 1'-0"



E5 RESTROOM 207G - C
A990 | SCALE: 1/4" = 1'-0"



E6 RESTROOM 207G - D
A990 | SCALE: 1/4" = 1'-0"

WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCHELANOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - ENLARGED RESTROOMS

SHEET NUMBER

A990

STRUCTURAL DESIGN CRITERIA

Risk Category: III

Mezzanine(s):
- Dead Load: DL = 65 PSF
- Live Load(s):
  - Corridors & Lobbies: LL = 80 PSF
  - Restrooms: LL = 60 PSF +15 PSF Partitions
  - Office: LL = 50 PSF +15 PSF Partitions
  - Light Storage: LL = 125 PSF
  - Assembly: LL = 100 PSF

Roof:
- Dead Load: DL = 5 PSF (Assumed & to be Verified by PEMB Designer)
  Collateral = 10 PSF
- Ground Snow Load: Pg = 32 PSF
- Flat Roof Snow Load: Pf = 25 PSF
- Snow Exposure Factor: Ce = 1.0
- Snow Importance Factor: I = 1.1
- Thermal Factor: Ct = 1.0
- Rain Intensity: i = 1.74 In/hr (9 PSF)

Wind:
- Basic Wind Speed: V = 109 MPH (3 Sec Gust)
- Importance Factor: I = 1.0
- Wind Exposure: "C"
- Internal Pressure Coeff: GCpi = 0.18(±)
- Component and Cladding Pressure: P = See Table Below

Components And Cladding Wind Pressures (PSF) Ultimate Design Loads				
	Typical Conditions		Corner Conditions	
Tributary Area	Positive Pressure	Negative Pressure	Positive Pressure	Negative Pressure
10 SF	+27 PSF	-29 PSF	+27 PSF	-36 PSF
50 SF	+24 PSF	-26 PSF	+24 PSF	-30 PSF
100 SF	+23 PSF	-25 PSF	+23 PSF	-28 PSF
500 SF	+20 PSF	-22 PSF	+20 PSF	-22 PSF

Seismic:
- Procedure: Equivalent Lateral Force
- Site Class: D
- Importance Factor: I = 1.25
- Seismic Design Category: D
- Spectral Response Accelerations: Ss = 1.49; S1 = 0.55
- Spectral Response Coeff: SDS = 0.99; SD1 = 0.64
- Basic Seismic-Force-Resisting System:
- Pre-Engineered Metal Building:
  - PEMB Design By Others
  - Steel Ordinary Moment Frames
  - R=3.5, Omega=3.0, Cd=3.0, Cs=0.354
  - Steel Ordinary Concentrically Braced Frames
  - R=3.25, Omega=2.0, Cd=3.25, Cs=0.381
- Mezzanine:
  - Steel Ordinary Concentrically Braced Frames
  - R=3.25, Omega=2.00, Cd=3.25, Cs=0.381
  - Seismic Base Shear = 249 KIPS

PERMITTED STORY DRIFTS OF PEMB STRUCTURE			
Level	Story Height	Elastic	Inelastic
MEZZANINE	15' - 4"	1.06"	3.45"
HIGH ROOF	19' - 8"	1.36"	4.43"

Soils:
Net Allowable Soil Pressure = 1500 PSF, per Soils Report by AGEC, Project Number 1240393, Dated July 30, 2024.

GENERAL
1. All details, sections, and notes shown on the drawings are intended to be typical and shall apply to similar situations elsewhere unless noted or shown otherwise. Notes and details on drawings shall take precedence over these General Notes. General Notes shall take precedence over the Specifications.
2. Refer to the Specifications for information not covered by these General Notes or the Structural Drawings.
3. See the Architectural Drawings for dimensions, doors, windows, non-bearing interior and exterior walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, etc.
4. All design, construction, and inspection shall be in conformance with the 2021 International Building Code (IBC) including all referenced standards therein.
5. The Contractor shall verify all dimensions and conditions at the site.
6. 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/or Structural Engineer before proceeding with any work involved.
7. The Structural Drawings shall be used in conjunction with the entire set of Construction Drawings. This means that detailing and shop drawing production for structural elements will require information that is contained on the Architectural and/or other consultants' drawings. The Structural Drawings may not show all dimensions, slopes, elevations, depressions, mechanical housekeeping pads, etc. The Contractor shall verify all dimensions that are shown on the Structural Drawings with the Architectural and/or other consultants' drawings. Any discrepancies shall be brought to the attention of the Architect and/or Structural Engineer before proceeding with any work involved.
8. Drawings indicate the finished product. They do not indicate a method of construction. Contractor shall take all precautions necessary to protect the structure during construction. Such precautions shall include, but not be limited to, bracing, shoring for construction equipment, etc.
9. The Contractor shall be responsible for compensating the Owner for any changes made as a result of a deviation from the Contract Documents, deviation from the Specifications, faulty materials, or faulty workmanship.
10. Options are for the Contractor's convenience. The Contractor shall be responsible for coordinating all required design changes. Cost associated with any design work initiated by the option shall be borne by the Contractor.
11. Contractor shall be responsible for safety and protection within and adjacent to the job site.
12. Temporary shoring and bracing shall be provided wherever necessary to support all loads to which the structure may be subjected including wind and soil loads. Such bracing shall be left in place as long as may be required for safety or until all structural elements are complete.
13. During and after construction the Contractor and/or Owner shall keep loads on the structure within the limits of the design loads.
14. Observation visits to the job site by field representatives of Calder Richards Consulting Engineers shall neither be construed as inspection nor approval of construction.
15. Sizes, locations, and anchorages of equipment shall be verified in the field with equipment manufacturers (suppliers) prior to placing concrete or fabricating steel.
16. Thermal or moisture protection, furnishings, doors, windows, equipment, mechanical, electrical, finishes, siding, paneling, and veneers are not part of the responsibility of the Structural Engineer.

STRUCTURAL DEFERRED SUBMITTALS

Contractor shall submit Drawings and Calculations for the following items bearing the seal of a Professional Engineer Licensed in the State of the project to Architect/Engineer before submitting to jurisdiction for review and permitting.

Items:
1. Design-Build Stairs, Ladders, and Railings
2. Attachment of Mechanical Unit to Support
3. Cold Formed Metal Studs
4. Pre-Engineered Metal Building

SHOP DRAWING SUBMITTALS
1. Contractor shall review and verify all Shop Drawings to ensure they comply with the requirements of the Contract Documents. Engineer will review the Shop Drawings for general conformance with the design concept. This review by the Engineer shall not be construed as approval. The Contractor shall verify all shop drawing dimensions with Structural and Architectural plans and details.
2. Provide Shop Drawings to the Engineer for review for the following, but not limited to:
   A. Concrete Foundation Reinforcement
   B. Wall Reinforcement
   C. Deck Reinforcement
   D. Steel Decking
   E. Concrete Mix Design
   F. Structural Masonry Elements
   G. Structural Steel
   H. Pre-Engineered Metal Building
   I. Design-Build Stairs, Ladders, and Railings
3. Refer to the Architectural Drawings for Shop Drawing submittals required for non-structural elements.

STRUCTURAL OBSERVATION

Calder Richards Consulting Engineers shall be notified by the Contractor 5 business days before the completion of the items listed in this section so that Structural Observation may be scheduled and performed in accordance with IBC Section 1704.6. The observations will be performed at the discretion of Calder Richards Consulting Engineers.

1. After forms, reinforcement, anchor bolts, and embeds in place for footings (before pouring).
2. After forms, reinforcement, anchor bolts, and embeds in place for foundation walls (before pouring).
3. After foundation walls poured and before placing masonry.
4. After masonry block and reinforcement in place for first lift (before grouting).
5. After steel floor framing and decking in place (before covering and pouring concrete over decking).
6. After steel roof framing and decking in place (before covering).
7. Steel connections of the lateral-force-resisting system.

FOOTINGS
1. All footings shall bear on original undisturbed earth or on engineered fill down to undisturbed earth compacted to 95% of maximum relative density based on ASTM D1557. Such fill shall be placed in layers not to exceed 6" in depth after compaction and shall extend down to in-situ granular soils. Unless noted otherwise, follow all recommendations in the soils report.
2. Footing elevations shown on plan are top of footings and are minimum depth. Different or unusual conditions shall be reported to the Architect and/or Engineer before proceeding.
3. Exterior wall footings shall bear at a minimum depth of *2'-6"* below finished exterior grade to achieve frost depth requirements.
4. NO footings shall be placed in water or on frozen ground.
5. Any soil condition encountered during excavation that is contrary to the conditions used for design of footings as outlined in the referenced Soils Report or on the drawings shall be brought to the attention of the Architect before proceeding.
6. DO NOT back fill behind foundation walls until top and bottom decks have been completed and attained their design strengths.
7. Back fill both sides of foundation walls at same time to prevent overturning.
8. Wall footings, where not shown otherwise, shall be 12" thick with an 8" spread each side of wall and provided with (1) #5 x continuous at bottom for each 8" of footing width.
9. Where a pipe passes through an interior or exterior foundation wall, step the footing down to pass below pipe and then step back up to indicated elevation. Provide pipe sleeve through foundation wall.
10. All footing excavations shall be examined by a Geotechnical Engineer for verification of adequate bearing conditions before placing concrete.

REINFORCING STEEL
1. All reinforcement shall be detailed and placed in accordance with ACI Detailing Manual 315R (Current Version) and ACI Standard 318 (Current Version).
2. Reinforcing steel shall be ASTM A615 Grade 60.
3. Welded wire fabric shall conform to ASTM A185. Lap one mesh tie.
4. All reinforcement shall be securely tied and held in place.
5. Provide accessories recommended by the CRSI necessary to properly support reinforcing at positions shown on plans.
6. Reinforcing bars that are to be welded, including Deformed Bar Anchors (DBA) shall comply with ASTM A706 or another weldable grade and shall be welded in accordance with the AWS recommendations.
7. All continuous reinforcement shall terminate with a 90 degree turn or a separate corner bar. All splices shall have a minimum lap or embedment per Reinforcing Schedule.
8. Where the length of a bar is given and it is to be hooked, the hook shall be in addition to the length given, unless shown otherwise.
9. Cover to main reinforcement from adjacent surfaces shall be as follows unless shown otherwise:
   A. Cast against and permanently in contact with ground .... 3"
   B. Exposed to weather or in contact with ground (#6 and larger) .... 2"
   C. Exposed to weather or in contact with ground (#5 and smaller) .... 1-1/2"
   D. Not exposed to weather or in contact with ground (slabs, joists, and walls #11 and smaller) .... 3/4"
   E. Not exposed to weather or in contact with ground (beams, columns, pedestals and tension ties)............ 1-1/2"
   F. In all cases minimum cover shall not be less than the diameter of adjacent bars.
10. Prior to fabrication and placement, Shop Drawings for all reinforcing steel shall be reviewed by the Structural Engineer.

CONCRETE
1. Concrete shall attain the following minimum compressive strengths at 28 days:
   - Footings .... 3500 PSI
   - Foundation Walls .... 4000 PSI
   - Interior Slabs on Grade .... 4000 PSI
   - Suspended Slabs .... 4000 PSI
2. The various concrete items are assigned to the following Exposure Categories and Classes per Section 19.3 of ACI 318 (Current Version):
   - Footings F1, S0, W0, C1
   - Foundation Walls F1, S0, W0, C1
   - Interior Slabs on Grade F0, S0, W0, C1
   - Suspended Slabs F0, S0, W0, C1

   See Table 19.3.1.1 of ACI 318 (Current Version) for explanations of Categories and Classes listed above.
3. A Statement of Mix Design for all concrete shall be submitted to and reviewed by the Structural Engineer prior to commencing work. All mix designs shall incorporate requirements and restrictions found in Section 19.3 & Tables 19.3.1.1, 19.3.2.1, and 19.3.3.1 of ACI 318 (Current Version). If two or more requirements are in conflict, the more restrictive requirement shall be followed.
4. All concrete work shall be placed, cured, stripped, and protected as directed by the specifications and ACI Standards and Practices.
5. Before concrete is poured, check with all trades to ensure proper placement of all openings, sleeves, curbs, conduits, bolts, inserts, etc, relative to work. NO aluminum conduit nor product containing aluminum nor any other material injurious to concrete shall be embedded in concrete.
6. Continuous top and bottom bars in walls over openings shall be spliced as follows:
   A. Top bars - At mid-span
   B. Bottom bars - Over support
7. Where openings larger than 16" in any direction occur in walls or slabs, provide same size additional, full length reinforcing at each side of opening equal to 1/2 the number of bars interrupted by the opening. Space additional bars at 4 x bar diameter.
8. Construction Joints and Control Joints:
   A. Refer to drawings for typical construction joint details.
   B. Provide a continuous tool-roughened surface at top of all walls and footings, unless noted otherwise.
   C. All horizontal and vertical construction joints shall have a continuous 2"x4" keyway along the joint, unless noted otherwise, see details.
   D. Provide reinforcing dowels to match the member reinforcing at the joint, unless noted otherwise.
   E. Slabs and beams shall not have joints in horizontal plane.
   F. Construction joints for slabs on steel deck shall not exceed a distance of 80'-0" in any direction.
   G. Control joints shall be complete within 12 hours of concrete placement.
9. All slabs on grade shall be placed in alternate panels with a maximum width of 90 times the slab thickness in any direction. Construction joints shall not exceed 125'-0" OC in any direction; refer to typical details on drawings. Unless otherwise noted, slabs on grade shall be 4" thick and shall be reinforced with 6x6-W1.4xW1.4 welded wire fabric, centered in slab.
10. Provide a #3 nosing bar in all stair treads.
11. Forms, screeds, and beams supporting suspended concrete shall be cambered 1/4 inch per 10 feet of span to compensate for Dead Load deflections.
12. Where exterior slabs on grade abut walls or columns, provide 3/8" pre-formed expansion joint with sealant.
13. Where interior masonry walls do not bear on a footing provide a typical thickened slab (12" thick x 16" wide) under wall. Reinforce with (2) #4 x continuous. Dowel wall reinforcing to slab.
14. Admixtures:
   A. Air-entraining admixtures (when used), shall comply with ASTM C260.
   B. Calcium chloride shall not be added to concrete mix.

MASONRY (CMU)
1. Concrete masonry units shall be mediumweight (105 PCF - 125 PCF), Grade N units conforming to ASTM Designation C90 and shall have a minimum compressive strength of 2000 PSI on the net section (Design strength, f'm = 2000 PSI).
2. Mortar shall conform to ASTM C270, Type "S" (Section 2103.2 of the International Building Code). Use Portland Cement, Type I or II. Follow the proportion method of ASTM C270.
3. All masonry shall be reinforced with both horizontal and vertical reinforcement. All grouted block cells or brick cavities with reinforcement shall be grouted full using *2500* PSI grout. Grout shall conform to the requirements of ASTM C476. Cells shall be aligned to preserve unobstructed vertical cavities of 2"x3" minimum. **DO NOT SOLID GROUT WALLS UNLESS SPECIFICALLY NOTED ON THE PLANS.**
4. Grout shall have 3/8" maximum size coarse aggregate with a slump between 8 and 11 inches so the concrete will flow into the block cells without leaving voids.
5. All horizontal reinforcing at ends of walls shall terminate with a hook around vertical reinforcing.
6. Reinforcement Protection (Cover):
   A. Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.
   B. Other reinforcement shall have a minimum coverage between the face shell and the bar of one bar diameter over all the bars, but not less than 3/4" when masonry is exposed to weather or soil. Minimum coverage shall be 2" from the outside face of masonry.
7. Continue vertical reinforcing bars in masonry columns through foundation wall into footings with matching bars and dowels. Enclose these bars with same size ties at same spacing as in masonry column. Provide matching dowels for vertical bars in masonry walls to structure below.
8. Continue horizontal reinforcement in walls through masonry columns and pilasters. This reinforcement shall have matching dowels, corner bars, at corners and at intersections of the walls with required lap lengths.
9. Unless noted otherwise, hollow cells at all four (4) sides of openings in walls shall be grouted and reinforced with (2) #5, minimum, with 2'-10" projection beyond edges of openings at each end.
10. Horizontal bars shall be placed in bond beams filled with grout at the top of all walls and at 48" OC maximum between top of wall and foundation. Bond beam units and reinforcing shall continue uninterrupted around all corners and wall intersections. Where structural steel columns or beams interrupt the continuity of a bond beam, dowels matching bond beam reinforcement shall be welded to the structural steel to provide continuity.
11. In addition ladder-type reinforcing consisting of #9 wire for each face shell of each wythe shall be used at 16" OC horizontally in all masonry walls. Reinforcement shall be for total width of cavity walls.
12. All vertical reinforcing bars shall lap with bars of the same size and spacing that extend down to structure below. Place all bars securely prior to grouting.
13. Stop grout pours 1/2" below top of block units between grout lifts.
14. All anchor bolts must be placed in grouted cells.
15. Where beams bear on concrete block walls, block cells shall be filled with grout 1'-4" wide to foundation and reinforced with a #5 each cell, unless otherwise shown.
16. An additional vertical bar (matching wall reinforcement) shall be placed at each corner, end of wall, and jamb of all openings.
17. All steel joist, joist girder, and steel beam pockets in masonry shall be grouted solid unless otherwise indicated on the drawings.
18. No masonry shall be laid when the temperature of the outside air is below 40 degrees Fahrenheit, unless approved methods are used during construction to prevent damage to the masonry. Such methods shall include protection of the masonry for a period of at least 48 hours.
19. All reinforcing shall be in place prior to grouting. Vertical reinforcing bars shall be held in position at the top, bottom and at intervals not farther apart than 200 bar diameters. Provide wire ties at all lap splices.
20. All masonry walls shall have vertical control joints at: Major changes in wall height, at changes in wall thickness, and at building construction joints. Provide matching control joints for brick veneer. Consult Architectural Drawings for locations. Where joint locations are not shown on the drawings the Contractor shall submit proposed locations to Architect / Engineer for review.

STRUCTURAL STEEL
1. All structural steel and structural steel work shall comply with the AISC "Steel Construction Manual" (Current Version) containing the specifications for the design, fabrication and erection of structural steel buildings, including the "Code of Standard Practices".
2. All wide flange structural steel shall be ASTM A992 and all miscellaneous shapes shall be ASTM A36, unless noted otherwise.
3. Structural steel tubing shall conform to ASTM A500 Grade C; Yield Stress = 50 KSI.
4. Structural steel pipe columns shall conform to ASTM A53, Grade B; Yield Stress = 35 KSI.
5. Use A325 Bolts for steel-to-steel connections, F1554 GR36 for Anchor Bolts, and A307 Bolts for all other connections (unless specified otherwise on drawings). Use 3/4" diameter minimum.
6. All welds shall be made with E70XX electrodes and by welders certified by AWS Standards within the past 12 months; provide written certification if requested. All welds shall have a minimum Charpy V-Notch toughness of 20 foot-pound at 0° F, unless noted otherwise on the plans.
7. All high-strength bolts shall be tightened to the appropriate minimum bolt tension in accordance with AISC "Specifications for Structural Joints using ASTM A325 or A490 Bolts." The preferred method of tightening is by use of "Twist off type tension control bolt assemblies." "Direct Tension Indicator" and the Turn-of-Nut method may also be used.
8. Connections indicated as slip critical shall comply with AISC "Specification for Structural Joints using ASTM A325 or A490 Bolts." Bolts in a slip critical connection shall be pre-tensioned to at least the minimum tension in this specification. Contact surface of bolted parts shall be a minimum of Class A.
9. All moment connections (shown on plans by a solid triangle at the end of the beam) shall conform to the IBC Requirements for Special Moment Resisting Space Frames (SMRSF).
10. All beam connections, not shown to be moment connections and not detailed otherwise shall be made using AISC Steel Construction Manual "Single Plate Connections" Table with the maximum number of rows shown for that beam.
11. Unless noted otherwise, composite beams longer than 30'-0" supporting floor systems shall be cambered 1/4 inch per 10 feet of span.
12. Unless shown otherwise provide 3/4" x 7 1/2" x 12" Bearing Plates on 1" grout with (2) 3/4" diameter Anchor Bolts under all steel beams that bear on masonry walls.
13. All Headed Stud Anchors (HSA) shall comply with ASTM A108 and be welded with automatically timed stud welding equipment with arc shields per AWS D1.1, Section 7. **FILLET WELDING OF HEADED STUDS IS NOT PERMITTED.**
14. Where steel deck is perpendicular to beams, studs shall be welded through deck to beam.
15. Numbers that are shown in parentheses at beams are the number of headed stud connectors that are to be spaced equally between intersection beams or lines shown on plan. Where deck is perpendicular to beams, studs shall not be spaced closer than 12" OC. When number of studs exceeds length of beam in feet, one half of additional studs shall be placed with (2) per row beginning at each end of beam. Where beams are parallel to deck, studs shall not be spaced closer than 6" OC. Provide (2) rows of studs beginning at each end where required to maintain the 6" minimum spacing.
16. Mechanical roof top units shall be placed over additional or special joists as shown on drawings. The weight, size and location of all proposed units and curbs shall be submitted to the Architect / Engineer for verification before fabrication of steel.
17. Frames for roof openings and supports for roof mounted mechanical equipment are indicated on drawings for bid purposes only. Upon receipt of mechanical submittals, the contractor shall furnish steel supplier supplementary drawings or other information necessary to layout and detail this portion of the work. Other steel work shall not be delayed by this portion of the work. Shop drawings shall be submitted to engineer for review.

COMPOSITE METAL FLOOR DECK
1. Steel floor deck shall comply with the latest requirements of the Steel Deck Institute, SDI. Submit Evaluation Report with shop drawings.
2. Steel floor deck shall be 2" deep x 20 gage minimum Galvanized (G60, where indicated) composite Type "W" deck with interlocking side seams. The following minimum properties must be satisfied:
   - Fy = 50 KSI
   - I = 0.422 in^4/ft
   - Sp = 0.323 in^3/ft
   - Sn = 0.333 in^3/ft
3. The typical floor slab is 3" thick (5" overall) normalweight concrete. Reinforce slab with 6x6-W2.9xW2.9 welded wire fabric minimum, unless noted otherwise. Provide chairs to ensure indicated placement of welded wire fabric above deck. Place welded wire fabric 1" below top of concrete, unless noted otherwise.
4. Attach deck to supporting framing members with 3/4" diameter puddle welds spaced as follows:
   12" OC to supports perpendicular to deck corrugations (4 welds per sheet).
   12" OC to all supports parallel to deck corrugations.
5. Headed stud welds may take the place of puddle welds where studs are welded through the deck to the top flange of beams.
6. Attach interlocking seams with button punch at 36" OC between adjacent pieces of deck.
7. Where possible, all deck shall be (3) span continuous minimum. In areas where (3) span conditions are not possible, the deck shall meet the loading criteria for the span condition. The Contractor shall provide heavier gage deck and/or shoring as required.
8. Deck shall have a minimum bearing length of 2".
9. Conduits are permitted in deck slabs provided they do not hinder any required fire rating and comply with the following requirements per the SDI Floor Deck Design Manual:
   Conduit shall not exceed 1" diameter, or 1/3 the concrete thickness over the top of the deck flutes.
   Conduit shall not be placed within the ribs of the composite deck or within 6" of headed stud anchors.
   No crossovers are allowed.
   Conduit spacing shall be at least 18" apart with 3/4" minimum cover above and below.
   Conduit shall not be made of or coated with aluminum.

LIGHT GAGE METAL FRAMING
1. Design, fabrication, and erection of light-gage metal framing shall comply with requirements of: AISC "Manual of Steel Construction", AWS "Structural Welding Code", AISI "Specification for the Design of Cold Formed Steel Structural Members", and ICC-ES Report ESR-3064P.
2. Framing shown on plans are minimum sizes and conditions. Substitution of framing members shall be approved by Architect and Engineer. They shall have capacity for gravity loads and lateral loads equal to or better than specified framing members and shall be ICC-ES approved.
3. All components shall be galvanized according to requirements of ASTM A-653 for minimum G-60 coating.
4. All 16 and 18 gage studs, and all track, bridging, end closures and accessories shall be formed from steel that corresponds to the minimum requirements of ASTM A-653, with a minimum yield of 33 KSI for 18 gage and 50 KSI for 16 gage, for studs and 33 KSI for runners, bridging, end closures and accessories.
5. All welds shall be accomplished using 1/8" AWS Type 6013 or 7014 rod with a welding heat of 60 to 110 amperes depending on the gage of material and the fit of the parts. Wire tying of framing components is not permitted.
6. Adequate lateral bracing must be provided during construction.
7. Unless noted otherwise, metal framing members at load bearing, shear walls and exterior walls shall be 18 gage for studs, 16 gage for top and bottom runner. 16 gage for studs at holdowns.
8. Runner Tracks: Install continuous tracks sized to match studs. Align tracks accurately to layout at base and tops of studs. Unless indicated otherwise, secure tracks as recommended by stud manufacturer for type of construction involved, except do not exceed 24" OC spacing for nail or powder-driven fasteners, or 16" OC for other types of attachment. Provide fasteners at corners and ends of track.
9. Fastenings: Fastening of components shall be with self-drilling screws or by welding. Screws and welds shall be of sufficient size to ensure the strength of the connection. Wire tying of components shall not be permitted. All welds shall be touched up with a zinc-rich paint. Fastening of plywood diaphragms and sill plates shall be as indicated in structural notes and details.
10. Stud sections used as rafters or joists shall be unpunched.
11. All non-load bearing walls shall be erected so as to allow for proper deflection of structure above. The tops of all such walls shall be horizontally braced to the structure above at a maximum of 8'-0" OC.

PRE-ENGINEERED METAL BUILDING FRAME
1. The complete design of Pre-Engineered Metal Building (PEMB) including all components shown or not shown on the drawings shall be accomplished by the Building Manufacturer.
2. The design shall be made by a Professional Engineer registered in the State where the project is constructed and they shall affix their Registration Number and Seal to all shop drawings and calculations. They shall submit shop drawings and calculations to Architect / Engineer for review. Calculations shall include all building reactions on the foundations. These reactions shall be reviewed for compliance with the foundation design. Design of the building shall be in accordance with the Recommended Design Practices Manual of the Metal Building Manufacturers Association (MBMA) and in accordance with MBMA Specifications.
3. The building and all of its components shall be designed for the following Dead and Live Loads:
   A. Actual weight of steel structure.
   B. 10 PSF Dead Load (Collateral Load) in addition to actual weight.
   C. Roof Snow Load indicated in the Design Criteria Section + Drift on the Low Roof and other applicable areas and/or unbalanced loading as per IBC.
   D. Any additional loads and reactions that are shown or noted on the drawings, see Plan Notes.
   E. Wind Loads as required by the IBC and per the stated Design Criteria.
   F. Seismic Loads as required by the IBC and per the stated Design Criteria.
   G. Thru-wall fan and other equipment, see MEP Drawings and Details.
   H. Suspended unit heaters and other equipment, see MEP Drawings and Details.
4. See plan for additional design notes (i.e. future expansion loads, suspended loads, etc.).
5. Provide braced bays only where indicated. Submit proposed locations to Architect for approval before fabrications. Rigid frame column bases shall be designed for a pinned base condition unless noted otherwise. No diagonal bracing shall be used at endwalls unless indicated. Provide portal frames as required. Provide turnbuckles on all rod "X" bracing.
6. Where rigid frames are indicated at endwalls, design frames for clear span condition with no intermediate supports. Interior endwall columns shall be for lateral load only.
7. No live load reduction shall be taken for the design of the rigid frames.
8. Where member sizes and gages are shown they shall be considered a minimum size. The manufacturer shall not use smaller or lighter gages, or omit framing where indicated. They shall use only larger size and heavier gages if their design indicates these are required to meet the loading criteria.
9. The vertical deflection of girts and purlins shall be limited to 1/240 of the span. Deflection of rigid frames shall be limited to 1/360 of the span. Deflections shall be based on Total Load (Dead Load plus Live Load). Horizontal drift deflections due to wind and seismic loading shall be limited as per the IBC.

PRE-ENGINEERED STEEL STAIRS
1. All steel stairs are Design-Build unless specifically designed and detailed on the Structural Drawings. The notes below apply to pre-engineered steel stairs only.
2. Design stairs, including framing members, connections (including those to building structure), treads, handrails, and landings, and provide for lateral restraint complying with the Contract Documents and Governing Code. The building lateral resisting system may be utilized for stair lateral restraint provided load paths to the building lateral resisting system are indicated in the calculations and connections shown on the shop drawings.
3. At connections to the structure, provide stabilizing elements such as braces and stiffener plates. Do not impose eccentric loading, twisting, or warping to the structural members. Provide material and install stabilizing elements at no additional cost to the owner.
4. Submit shop drawings and structural calculations stamped and signed by a Professional Engineer registered in the State where the project is constructed for review by the project Architect, Engineer and Building Official.

MASONRY VENEER ANCHORAGE
1. Brick veneer shall be anchored to the structural wall by one of the following anchors:
   A. Corrugated sheet metal anchors shall be at least 7/8" wide, have a base metal thickness of at least 0.03", and shall have corrugations with a wavelength of 0.3" to 0.5" and an amplitude of 0.06" to 0.10".
   B. Sheet metal anchors shall be at least 7/8" wide, have a base metal thickness of at least 0.06" and shall have corrugations of corrugated sheet metal anchors or be bent, notched, or punched to provide equivalent performance in pull-out and push-through.
   C. Wire anchors shall be at least wire size W1.7 and have ends bent to form an extension from the bend at least 2" long.
   D. Adjustable anchors shall consist of sheet metal anchors and/or wire components as listed above and shall have a maximum of 1/16" clearance between connected parts, detailed to prevent disengagement, and where pintle anchors are used the legs shall have a minimum wire size of W2.8 with no more than a 1 1/4" offset.
2. Embed anchors in the mortar joint or grout and extend into the veneer a minimum of 1.5", with at least 5/8" mortar cover to the outside face.
3. Space anchors as follows: Provide at least one corrugated anchor, wire, or adjustable two-piece for each 2 sq ft of veneer and for other anchors provide one anchor for each 2.63 sq ft. Space anchors at a maximum of 32" OC horizontally and 18" OC vertically. Provide additional anchors around all openings larger than 16". Space anchors around perimeter of opening at a maximum of 36" OC. Place anchors within 12" of openings.
4. Provide continuous single-wire horizontal joint reinforcement of W1.7 wire (minimum) at 18" on center maximum. Provide wire reinforcing at each anchor bed joint.
5. Mortar bed joint thickness shall be at least twice the thickness of the embedded anchor.
6. All veneer ties and joint reinforcement must be hot dip galvanized.
7. Attach each anchor to wood framing with a corrosion-resistant 8d common nail or alternate fastener with equivalent or greater pullout strength. For corrugated sheet metal anchors, locate the nail or fastener within 1/2" of the 90 degree bend in the anchor. Maintain a maximum distance between the inside face of the veneer and the outside face of the solid sheathing of 1" when corrugated anchors are used. Maintain a maximum distance between the inside face of the veneer and the wood stud or wood framing of 4.5" when other anchors are used. Maintain a 1" minimum air space.
8. Attach each anchor to steel framing with Hohmann & Barnard, Inc (HB) HB-213 SI Connector with (2) screws to metal studs at 16" OC each way. Pintle section shall be as noted above. HB-213 seismic pintle may be substituted for the wire pintle at the contractor's option.
9. Attach each anchor to masonry backup with HB 220 Ladder Mesh Reinforcement Adjustable Wall Tie Assembly by Hohmann & Barnard, Inc with 9 GA joint reinforcement in mortar joint of CMU and a HB-213 SIS pintle section with Seismic Clip in brick mortar joint spaced 16" OC horizontally.
10. Attach each anchor to concrete backup with HB-213 SIS with (2) screws spaced 16" OC each way, pintle section shall be as noted above.

DRILL & EPOXY ANCHORS
1. Use HILTI HIT-HY 200 adhesive system or approved equivalent for concrete and solid grouted masonry connections.
2. Use HILTI HIT-HY 270 adhesive system or approved equivalent for all hollow unit CMU connections and unreinforced masonry walls, including multi-wythe walls.
3. Anchor rods shall be ASTM F1554 Grade 36 (unless noted otherwise in drawings) with diameter indicated, threaded and galvanized.
4. Provide screen tubes for ungrouted masonry units or unreinforced masonry walls.
5. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
6. Substitution requests for alternate products must be approved in writing by the Structural Engineer prior to use. The contractor shall provide calculations demonstrating the substituted product is capable of achieving the performance values of the specified product. Substitutions will be evaluated by the product having an ICC-ES report showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions.
7. The contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all of their anchoring products specified. The contractor shall provide the engineer with documentation showing their personnel have received training prior to commencement of work.
8. Ten percent of all anchors placed shall be randomly tested to 100% of manufacturer's specified allowable load. If any anchor fails it shall be replaced and retested at no additional cost to the owner. If an anchor fails, 100% of all other anchors installed by that same crew shall be tested at no additional cost to the owner.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

HENNING T. UNGERMAN
STATE OF UTAH
09/12/2024

CONSULTANT INFORMATION

CALDER RICHARDS CONSULTING ENGINEERS
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

STRUCTURAL NOTES PART 1

SHEET NUMBER

S001

Special Inspection - Steel Construction (IBC 1705.2)

Item	C/P ◄(A)
INSPECTION TASKS PRIOR TO WELDING (AISC 360-16, TABLE N5.4-1; AISC 341-16, TABLE J6.1)	
Welder qualification records and continuity records	C
Welding procedure specifications (WPSs) available	C
Manufacturer's certification for welding consumables available	C
Material identification (Type / Grade)	P
Welder identification system ◄(B)	P
Fit-up of groove welds (including joint geometry)	P
Fit-up of CJP groove welds of HSS, T-, Y-, and K- joints	C
Configuration and finish of access holes	P
Fit-up of fillet welds	P
Checking welding equipment	P
INSPECTION TASKS DURING WELDING (AISC 360-16, TABLE N5.4-2; AISC 341-16, TABLE J6.2)	
Control and handling of welding consumables	P
No welding over cracked tack welds	P
Environmental conditions	P
Welding procedure specification followed	P
Welding techniques	P
Placement and installation of HSAs	C
INSPECTION TASKS AFTER WELDING (AISC 360-16, TABLE N5.4-3; AISC 341-16, TABLE J6.3)	
Welds cleaned	P
Size, length, and location of welds	C
Welds must meet visual acceptance criteria	C
Arc strikes	C
k-Area ◄(C)	C
Weld access holes in rolled heavy shapes and built-up heavy shapes ◄(D)	C
Backing removed and weld tabs removed (if required)	C
Repair activities	C
Document acceptance or rejection of welded joint or member	C
No prohibited welds have been added without approval of the EOR	P
INSPECTION TASKS PRIOR TO BOLTING (AISC 360-16, TABLE N5.6-1; AISC 341-16, TABLE J7.1)	
Manufacturer's certifications available for fastener materials	C
Fasteners marked in accordance with ASTM requirements	P
Correct fasteners selected for the joint detail (Grade / Type / Bolt Length / If threads are to be excluded from shear plane)	P
Correct bolting procedure selected for joint detail	P
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	P
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	P
Protected storage provided for bolts, nuts, washers, and other fastener components	P
INSPECTION TASKS DURING BOLTING (AISC 360-16, TABLE N5.6-2; AISC 341-16, TABLE J7.2)	
Fastener assemblies, placed in all holes and washers and nuts are positioned as required	P
Joint brought to the snug-tight conditions prior to the pre-tensioning operations	P
Fastener component not turned by the wrench prevented from rotating	P
Fasteners are pre-tensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward free edges	P
INSPECTION TASKS AFTER BOLTING (AISC 360-16, TABLE N5.6-3; AISC 341-16, TABLE J7.3)	
Document acceptance or rejection of bolted connection	C

Special Inspection - Steel Construction (IBC 1705.2)

Item	C/P ◄(A)
INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL (IBC 1705.2.2 - 1705.2.4, AND TABLE 1705.2.3)	
Cold-formed steel deck:	
- A. Special inspections and qualifications of welding special inspections for cold-formed steel floor and roof deck shall be in accordance with the quality assurance inspection requirements of SDI QA/QC	C
Installation of open-web steel joists and girders:	
- A. End connections - Welding or bolted	P
- B. Bridging-horizontal or diagonal:	
- 1) Standard bridging	P
- 2) Bridging that differs from SJI specifications listed in section 2207.1 of IBC	P
NON-DESTRUCTIVE TESTING OF WELDS (AISC 360-16, SECTION N5.5)	
Ultrasonic testing (UT), magnetic particle testing (MT), penetrant testing (PT), and radiographic testing (RT), where required shall be performed by QA in accordance with AWS D1.1	-
CJP welds (Risk Category II)	P
CJP welds (Risk Category III or IV)	C
Welded joints subject to fatigue	C
OTHER STEEL INSPECTIONS (AISC 360-16, SECTION N5.7 AND N5.8)	
Inspect galvanized structural steel main members for cracks subsequent to galvanizing	P
Structural steel details	P
Anchor rods and other embedments supporting structural steel	P
TABLE NOTES:	
► (A) Continuous or periodic (C/P) refers to the frequency of inspection, which may be continuous during the task listed or periodically during the listed task, as defined in the table.	
► (B) 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 low-stress type.	
► (C) 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" of the weld.	
► (D) After heavy shapes are welded, visually inspect the weld access hole for cracks.	

Special Inspection - Masonry Construction (IBC 1705.4, TMS402, 602)

Item	R/C/P ◄(A) Level 2
QUALITY ASSURANCE (TMS 602-16, TABLE 3, TABLE 4)	
MINIMUM VERIFICATION	
Prior to construction, verification of compliance of submittals.	R
Prior to construction, verification of f'm and f'AAC, except where specifically exempted by the Code.	R
During construction, verification of slump flow and Visual Stability Index (VSI) when self consolidating grout is delivered to the project site.	R
MINIMUM INSPECTION	
As masonry construction begins, verify that the following are in compliance:	
- A. Proportions of site-prepared mortar	P
- B. Grade and size of prestressing tendons and anchorages	P
- C. Grade, type, and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages	P
- D. Prestressing technique	P
- E. Properties of thin-bed mortar for AAC masonry	C ◄(B) / P ◄(C)
- F. Sample panel construction	P
Prior to grouting, verify that the following are in compliance:	
- A. Grout space	P
- B. Placement of prestressing tendons and anchorages	P
- C. Placement of reinforcement, connectors, and anchor bolts	P
- D. Proportions of site-prepared grout and prestressing grout for bonded tendons	P
Verify compliance of the following during construction:	
- A. Materials and procedures with the approved submittals	P
- B. Placement of masonry units and mortar joint construction	P
- C. Size and location of structural members	P
- D. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other constructions	P
- E. Welding of reinforcement	C
- F. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F (4.4°C)) or hot weather (temperature above 90°F (32.2°C))	P
- G. Application and measurement of prestressing force	C
- H. Placement of grout and prestressing grout for bonded tendons is in compliance	C
- I. Placement of AAC masonry units and construction of thin-bed mortar joints	C ◄(B) / P ◄(C)
Observe preparation of grout specimens, mortar specimens, and/or prisms	P
TABLE NOTES:	
► (A) R denotes required. Continuous or periodic (C/P) refers to the frequency of inspection, which may be continuous during the task listed or periodically during the listed task, as defined in the table.	
► (B) Continuous inspection is required for the first 5,000 sq ft of AAC masonry.	
► (C) Periodic inspection is required after the first 5,000 sq ft of AAC masonry.	

TERMS AND ABBREVIATIONS

ABBRV	TERM
(#)	Numerical quantities when enclosed in parentheses
A/E	Architect / Engineer
AB	Anchor Bolt
ABV	Above
ADDM	Addendum
AFF	Above Finished Floor
ALUM	Aluminum
APPROX	Approximately
ARCH	Architect (Architectural)*
ASTM	American Society for Testing and Materials
B PL	Base Plate
B/B	Back to Back
bf	Beam Flange Width
BLKG	Blocking
BLW	Below
BM	Beam
BOS	Bottom of Steel
BOT	Bottom
BRG	Bearing
BTWN	Between
C TO C	Center to Center
CD	Contract Documents
CIP	Cast-In-Place
CJ	Construction Joint (Control Joint)*
CL	Centerline
CMU	Concrete Masonry Unit
COL	Column
CONC	Concrete
CONN	Connection
CONT	Continuous (Continue)*
CONTR	Contractor
COORD	Coordinate
CTR	Center
D	Depth
d	Pennyweight Nail
DB	Deck Bearing
DBA	Deformed Bar Anchor
DBL	Double
DFS	Douglas Fir - South
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DL	Dead Load
DTL	Detail
DWG	Drawing

TERMS AND ABBREVIATIONS

ABBRV	TERM
(E)	Existing
E	Modulus of Elasticity
EA	Each
EJ	Expansion Joint
EL	Elevation
ELEV	Elevator
ENGR	Engineer
EQ	Equal
EQL SP	Equally Spaced (Equal Spaces)*
EQUIP	Equipment
EQUIV	Equivalent
EST	Estimate
ETC	And so forth
EW	Each Way
EXCL	Exclude
EXP	Expansion
EXT	Exterior
(F)	Future
FDTN	Foundation
FFE	Finished Floor Elevation
FIN	Finish (Finished)*
FLR	Floor
FRMG	Framing
FSE	Finished Slab Elevation
FTG	Footing
FV	Field Verify
GA	Gage / Gauge
GALV	Galvanized
GLB	Glued Laminated Wood Beam
HGR	Hanger
HORIZ	Horizontal (Horizontally)*
HSA	Headed Stud Anchor
HSS	Hollow Structural Section
I	Moment of Inertia
ID	Inside Diameter
INT	Interior
JST	Joist
KIP (K)	Thousand Pounds
KIP FT	Thousand Foot/Pounds
KLF	KIPs per Lineal Foot

TERMS AND ABBREVIATIONS

ABBRV	TERM
LB	Pound
LHS	Left Hand Shoe
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LONG	Longitudinal
LSL	Laminated Strand Lumber
LTWT	Lightweight
LVL	Laminated Veneer Lumber
MAX	Maximum
MECH	Mechanical
MFR	Manufacturer
MIN	Minimum
MISC	Miscellaneous
N/A	Not Applicable
NTS	Not to Scale
OC	On Center
OD	Outside Diameter
OPNG	Opening
OPP	Opposite
OPT	Optional
OSB	Oriented Strand Board
P/T	Pressure Treated
PEMB	Pre-Engineered Metal Building
PERP	Perpendicular
PLF	Pounds per Lineal Foot
PSL	Parallel Strand Lumber
PT	Post Tensioned
QA	Quality Assurance
QC	Quality Control
(RE)	Remove Existing
REINF	Reinforce (Reinforced, Reinforcing)*
REQD	Required
RFI	Request for Information
RS	Rough Sawn
RTU	Roof Top Unit

TERMS AND ABBREVIATIONS

ABBRV	TERM
SCHED	Schedule
SECT	Section
SF	Square Foot (Feet)*
SGL	Single
SHTHG	Sheathing
SIM	Similar
SL	Snow Load
SOG	Slab on Grade
SPCL	Special
SPEC	Specification
SQ	Square
SSH	Short Slotted Holes
STD	Standard
STIF	Stiffener
STRUCT	Structure (Structural)*
SYMM	Symmetrical
T&B	Top & Bottom
T&G	Tongue and Groove
THRU	Through
TO FDTN	Top of Foundation
TOB	Top of Beam
TOC	Top of Concrete
TOF	Top of Footing
TOJ	Top of Joist
TOM	Top of Masonry
TOP	Top of Parapet
TOS	Top of Steel
TOW	Top of Wall
TWS	Threaded Welded Stud
TYP	Typical
UNO	Unless Noted Otherwise
VERT	Vertical (Vertically)*
W/	With
W/O	Without
WL	Wind Load
WLD	Weld (Welded)*
WWF	Welded Wire Fabric
XS	Extra Strong
XXS	Double Extra Strong

NOTES

1. * CONTEXT INDICATES WHICH ABBREVIATION TERM IS IMPLIED. CONTACT ENGINEER IF MEANING IS NOT OBVIOUS.
2. NOT ALL ABBREVIATIONS ARE USED.
3. MANY ABBREVIATIONS MAY BE MADE PLURAL BY ADDING AN S SUFFIX.
4. FOR ABBREVIATIONS NOT LISTED, REFER TO **US NATIONAL CAD STANDARD, VERSION 3.1, TERMS AND ABBREVIATIONS SECTION**, OR CONTACT ENGINEER.

A5 **TERMS & ABBREVIATIONS**
NO SCALE

1717_01

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
PROFESSIONAL STRUCTURAL ENGINEER
9-12-2024
HENNING T. UNGERMAN
#7801713
STATE OF UTAH
09/12/2024

CONSULTANT INFORMATION
CALDER RICHARDS
CONSULTING ENGINEERS
1805 SOUTH REDWOOD RD, SUITE 102, SALT LAKE CITY, UT 84104
T: 801.466.1699 F: 801.467.2495
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

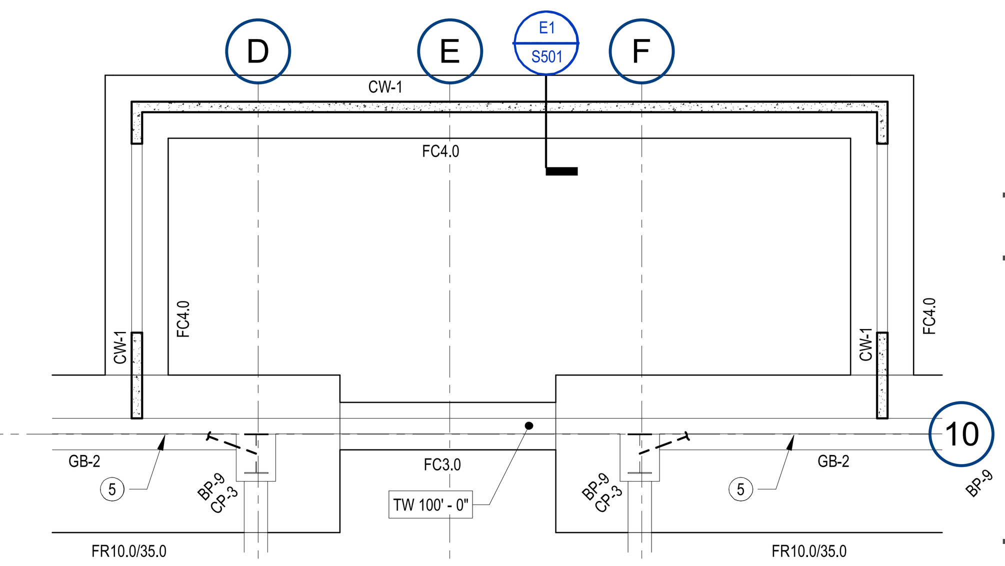
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

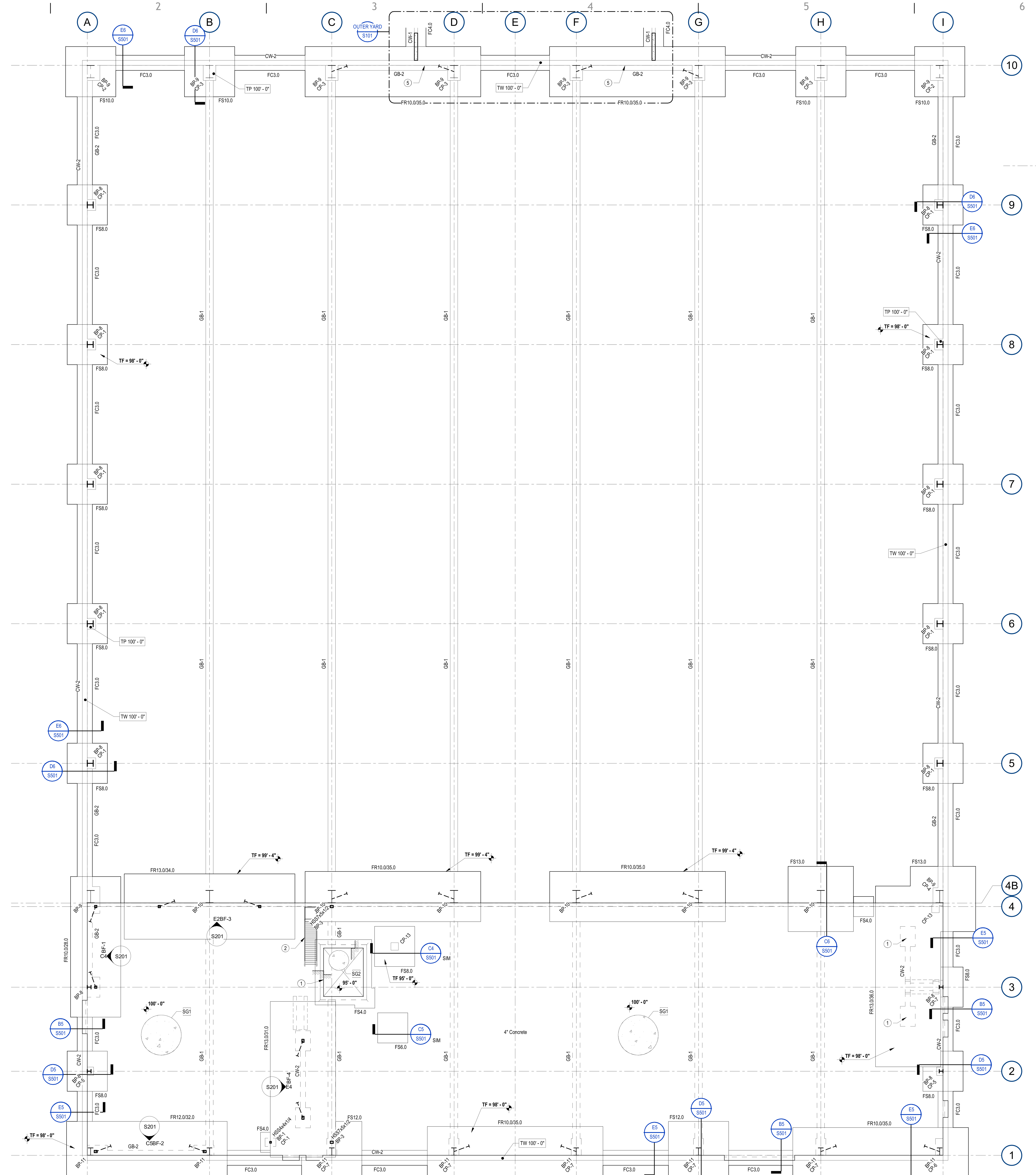
SHEET TITLE
STRUCTURAL NOTES PART 2

SHEET NUMBER
S002



Footing & Foundation Plan - Outer Yard

1/8" = 1'-0"



Footing & Foundation Plan

1/8" = 1'-0"

NOTE: FOOTING & FOUNDATION DESIGN IS BASED ON INITIAL ESTIMATES OF PEMB COLUMN REACTIONS. STRUCTURAL FOOTINGS & FOUNDATION TO BE VERIFIED AND FINALIZED UPON COMPLETION OF PEMB DESIGN.

PLAN NOTES - FOOTING & FDTN

- \# NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- R# DENOTES REINFORCING KEYED ON PLAN.
- SG# DENOTES SLAB TYPES KEYED ON PLAN, SEE SCHEDULE B4/S602.
- * SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- ** NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B TOP OF CONCRETE SLAB ELEVATION = 100'-0", UNLESS NOTED THUS: xxx'-x" SLOPE UNIFORMLY TO FLOOR DRAINS.
- C PLACE CONTROL JOINTS AND CONSTRUCTION JOINTS IN SLAB PER STRUCTURAL NOTES. SEE DETAIL A6/S501.
- D CENTER FOOTINGS ON WALLS AND COLUMNS UNLESS DIMENSIONED OTHERWISE ON PLANS.
- E SEE STRUCTURAL NOTES ON SHEET S001 FOR MINIMUM FROST COVER FOR ALL EXTERIOR FOOTINGS.
- F FOOTING ELEVATIONS SHOWN ARE BASED ON A UNIFORM GRADE 6" BELOW SLAB PLUS 2'-6" FROST COVER. COORDINATE ELEVATIONS SHOWN WITH CIVIL AND SITE PLANS FOR ANY ADDITIONAL DEPTH THAT MAY BE REQUIRED TO MAINTAIN MINIMUM FROST COVER OVER FOOTINGS.
- G SEE PLAN AND SECTIONS FOR TOP OF FOUNDATION WALL ELEVATIONS.
- H SEE DETAIL A5/S501 AN A3/S501 FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCEMENT AT CORNERS AND INTERSECTIONS.
- J DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING FLOOR IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.

PLAN NOTES - FOOTING & FDTN

- K SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- L SEE ARCHITECTURAL / SITE DRAWINGS FOR INFORMATION AND LOCATION OF SITE WALLS, STEPS, PLANTERS, RAMPS, ETC.
- M COORDINATE FOOTING W/ MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL PENETRATIONS NEAR FOOTINGS. SEE A1/S501 FOR ADDITIONAL INFORMATION.
- N PROVIDE HOUSEKEEPING PADS FOR MECHANICAL/ELECTRICAL UNITS AS REQUIRED BY THE MECHANICAL/ELECTRICAL DRAWINGS. PADS TO BE POURED MONOLITHICALLY WITH THE SLAB ON GRADE OR ANCHORED WITH REBAR PER DETAIL C2/S501.
- P SEE SHEET S901 FOR BID ALTERNATE INFORMATION.
- 1 CONTRACTOR TO PROTECT AND COVER ELEVATOR PIT AND BRACED FRAME ANCHORAGE BETWEEN BASE BID AND BID ALT PHASES OF CONSTRUCTION.
- 2 SEE ARCHITECTURAL DRAWINGS FOR DETAILED ELEVATIONS AND CONFIGURATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK, TYPICAL. SEE DETAIL D4/S511 FOR TYPICAL FRAMING SIZES & REQUIREMENTS.
- 3 ELEVATOR RAIL SUPPORT COLUMNS SHOWN FOR BID PURPOSES ONLY, COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL C1/S501 FOR TYPICAL FRAMING REQUIREMENTS.
- 4 CONTRACTOR OPTION TO POST-INSTALL GRAVITY COLUMNS. SUBMIT RFI FOR POST-INSTALLATION OPTIONS. MAY ONLY UTILIZE FOR MEZZANINE COLUMNS NOT CONNECTED TO BRACED FRAMES.
- 5 DO NOT ROUTE MECHANICAL / ELECTRICAL DISTRIBUTION LINES BELOW OR THROUGH FOUNDATION WALLS WITH GRADE BEAMS.

FTG/FDTN PLAN LEGEND

FCx.x, FSx.x, FRx.x	CONTINUOUS FOOTING, SPOT FOOTING, RECTANGULAR FOOTING TYPES RESPECTIVELY, SEE SCHEDULE **A3/S601**	FCx.x	CONCRETE FOOTING, SEE SCHEDULE **A3/S601**
		CW-#	CONCRETE FDTN WALL TYPE, SEE SCHEDULE **A5/S601**
	CHANGE IN ELEVATION		RECESS IN CONCRETE FDTN WALL
xxx'-xx"	TOP OF CONCRETE SLAB ELEVATION	CP-#	CONCRETE PIER IN WALL, SEE SCHEDULE **B4/S601**
TW xxx'-xx"	TOP OF WALL ELEVATION		SITE WALL, COORD W/ ARCH / CIVIL DWGS
TP xxx'-xx"	TOP OF PIER ELEVATION		
TF xx'-xx"	TOP OF FTG ELEVATION		STEEL STUD WALL
SG#	CONCRETE SLAB ON GRADE, SEE SCHEDULE **B4/S602**	BP-#	STEEL COLUMNS: WIDE FLANGE, HSS, BASE PLATE TYPE, SEE SCHEDULE **B1/S601**

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STRUCTURAL ENGINEER 9-12-2024 HENNING T. UNGERMAN #7801713 STATE OF UTAH

09/12/2024

CONSULTANT INFORMATION
CALDER RICHARDS CONSULTING ENGINEERS
1805 SOUTH REDWOOD RD, SUITE 102, SALT LAKE CITY, UT 84104
T: 801.466.1699 F: 801.467.2495
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

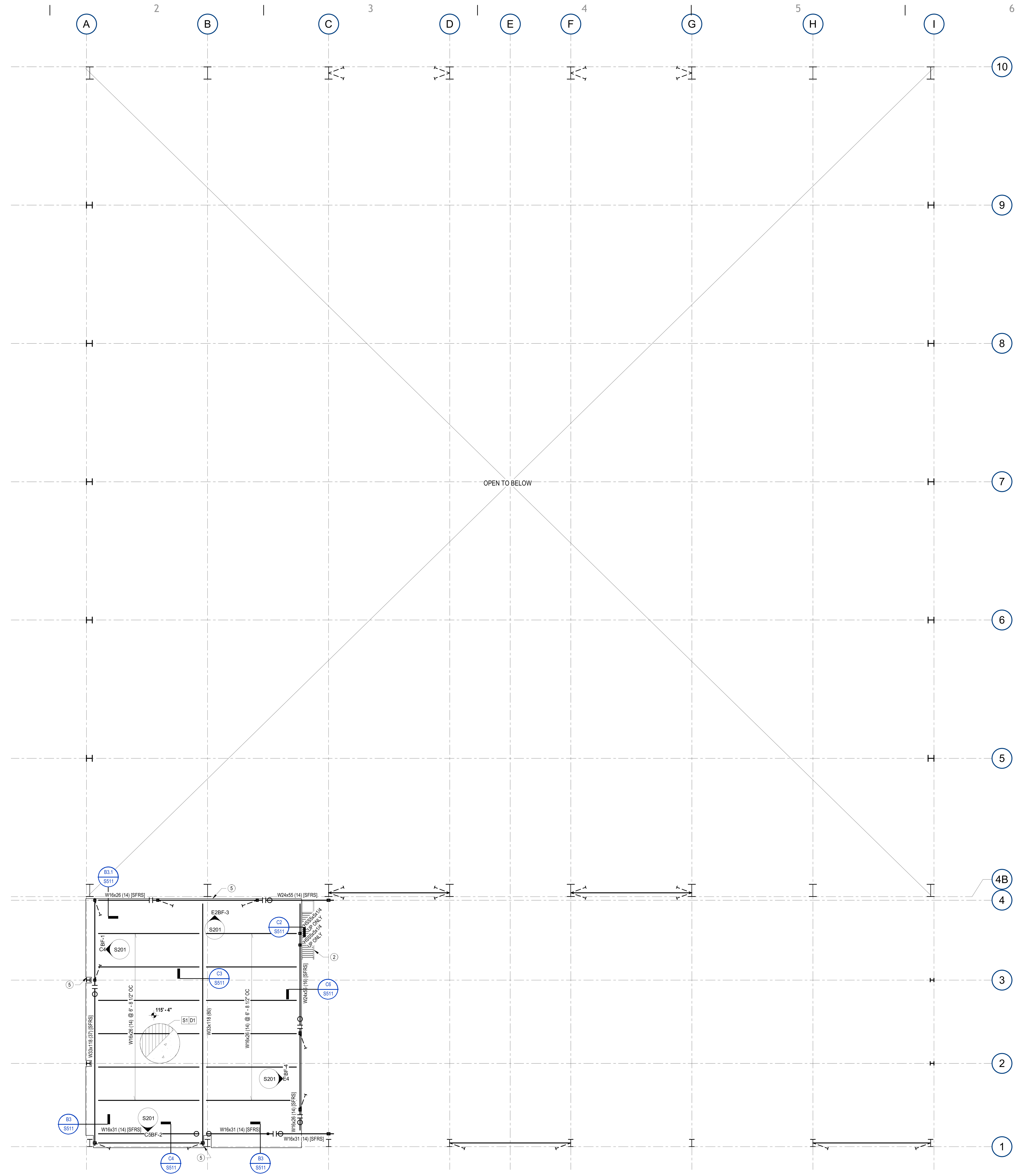
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

FOOTING AND FOUNDATION

SHEET NUMBER

S101



Level 2 Framing Plan

1/8" = 1'-0"

PLAN NOTES - FLOOR FRAMING

- # NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- D# DENOTES DECK TYPES KEYED ON PLAN, SEE SCHEDULE B2/602.
- S# DENOTES SLAB TYPES KEYED ON PLAN, SEE SCHEDULE B4/S602.
- * SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- ** NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B TOP OF CONCRETE SLAB ELEVATION = 115'-4", UNLESS NOTED THUS: xxx'-x"
- C SEE DETAIL A3/S602 FOR TYPICAL BEAM TO BEAM CONNECTIONS.
- D COORDINATE OPENINGS THROUGH FLOOR DECK WITH MECHANICAL DRAWINGS. FLOOR PENERATIONS SHALL HAVE ANGLE FRAMING PER DETAIL A2/S511.
- E ALL CONTINUOUS DECK ANGLES TO BE SPLICED PER DETAIL B4/S511.
- F SEE ARCHITECTURAL DRAWINGS FOR TOP OF CMU WALL ELEVATIONS.
- G SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- H SEE STEEL ANGLE LINTEL SCHEDULE D5/S602 FOR BRICK VENEER SUPPORT OVER OPENINGS, TYP, UNO.

PLAN NOTES - FLOOR FRAMING

- J (#) FOLLOWING STEEL BEAM CALLOUT DENOTES HEADED STUD ANCHOR QUANTITY FOR COMPOSITE BEAM, SEE DETAIL A3/S511 FOR SIZE AND SPACING REQUIREMENTS.
- K SEE SHEET S901 FOR BID ALTERNATE INFORMATION.
- 1 STEP IN SLAB, SEE DETAILS B5/S511 & B6/S511. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF STEPS.
- 2 SEE ARCHITECTURAL DRAWINGS FOR DETAILED ELEVATIONS AND CONFIGURATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK, TYPICAL. SEE DETAIL D4/S511 FOR TYPICAL FRAMING SIZES & REQUIREMENTS.
- 3 ELEVATOR RAIL SUPPORT COLUMNS (ABOVE & BELOW) SHOWN FOR BID PURPOSES ONLY, COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL D3/S511 & D2/S511 FOR TYPICAL FRAMING REQUIREMENTS.
- 4 PROVIDE SHORING BELOW SINGLE SPAN DECKING PRIOR TO POURING CONCRETE.
- 5 PROVIDE 3" EXPANSION GAP BETWEEN PEMB AND MEZZANINE STRUCTURE, TYPICAL.

FLOOR FRMG PLAN LEGEND

xxx'-xx"	TOP OF CONCRETE SLAB ELEVATION		MASONRY WALL
	CHANGE IN ELEVATION		STEEL STUD WALL
S# D#	CONCRETE SLAB ON STEEL DECK W/ SPAN DIRECTION INDICATED, SEE SCHEDULES **B4/S602** & **B2/S602** RESPECTIVELY		BEAM SPLICE, SEE DETAIL **A5/S511**
			COLLECTOR BEAM CONNECTION, SEE SCHEDULE **E3/S602**
	STEEL COLUMNS: WIDE FLANGE, TUBE, PIPE		COLLECTOR BEAM SPLICE, SEE SCHEDULE **E3/S602**
	DEPRESSED SLAB AREAS, COORD W/ ARCHITECTURAL DRAWINGS	[SFRS]	SEISMIC FORCE RESISTING SYSTEM
		xx K	ADDITIONAL POINT LOAD

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STRUCTURAL ENGINEER 9-12-2024 HENNING T. UNGERMAN 9780713 STATE OF UTAH

09/12/2024

CONSULTANT INFORMATION

CALDER RICHARDS
CONSULTING ENGINEERS
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

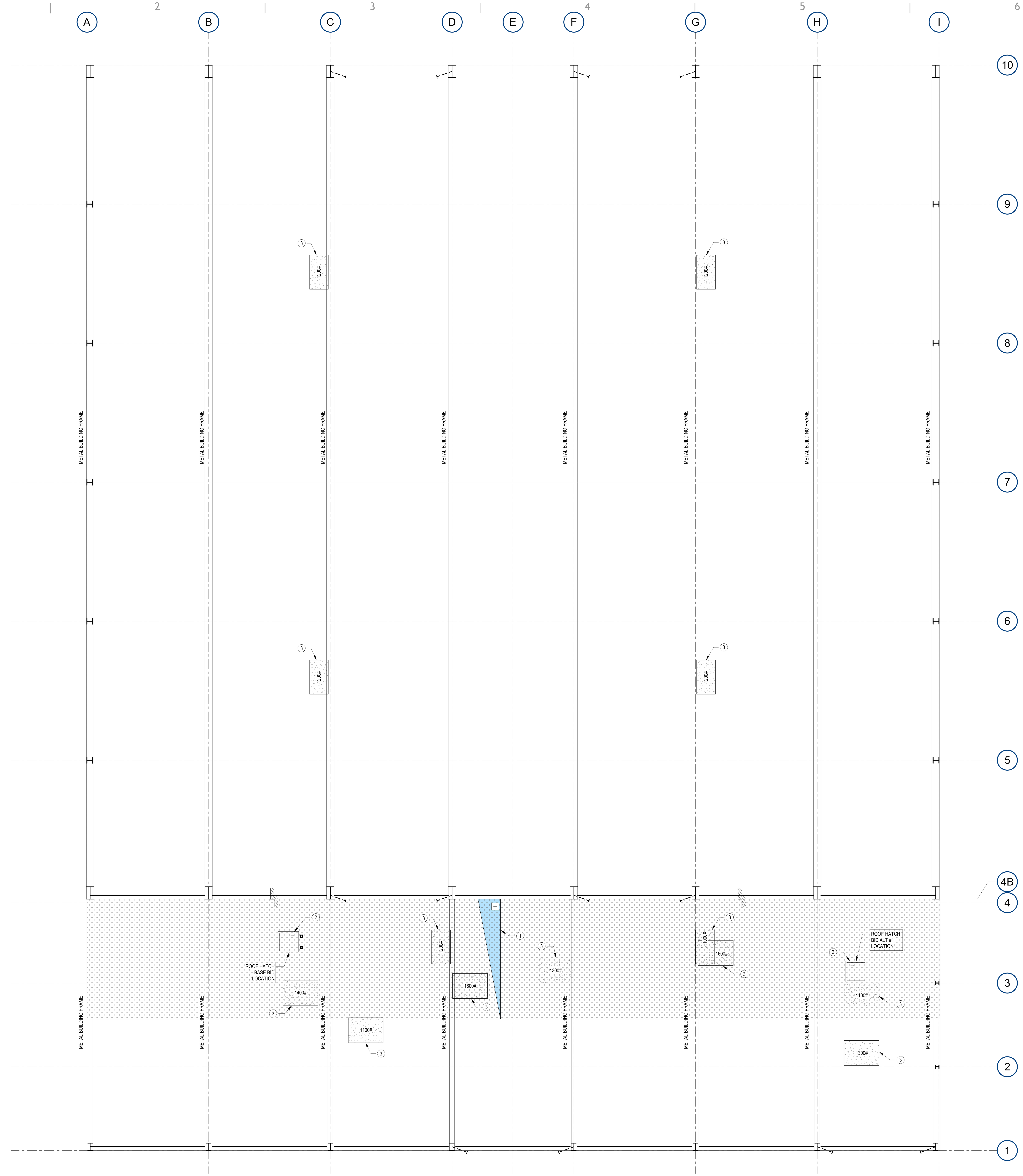
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

LEVEL 2 FRAMING PLAN

SHEET NUMBER

S102



Roof Framing Plan
1/8" = 1'-0"

PLAN NOTES - ROOF FRAMING

- # NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- * SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- ** NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.

- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B SEE ARCHITECTURAL DRAWINGS FOR TOP OF CMU WALL ELEVATIONS.
- C SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- D PEMB DESIGNER TO PROVIDE SUPPORT FOR ALL OPENINGS IN ROOF DECK, INCLUDING HATCHES, SKYLIGHTS, ETC.
- E PEMB DESIGNER TO PROVIDE SUPPORT FOR ALL WALLS, PARAPETS, CLADDING, SIGNS, ETC.

PLAN NOTES - ROOF FRAMING

- F PEMB DESIGNER TO COORDINATE WITH ARCHITECTURAL DRAWINGS AND PROVIDE SUPPORT FOR ALL ELEMENTS TO HANG FROM ROOF STRUCTURE, SUCH AS NETTING WALLS.

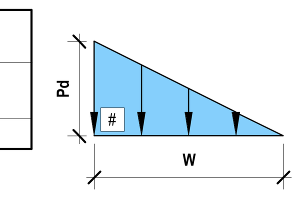
1. SNOW DRIFT LOAD DIAGRAM. DESIGN JOISTS FOR SNOW DRIFT LOAD IN ADDITION TO UNIFORM AND MECHANICAL LOADS.
2. ROOF HATCH OPENING, COORDINATE WITH ARCHITECTURAL DRAWINGS.
3. MECHANICAL ROOFTOP UNIT (SHOWN SCHEMATICALLY ONLY). DUCT PENETRATIONS BELOW UNITS NOT SHOWN. ROOF JOISTS / PURLINS AND GIRDERS SUPPORTING MECHANICAL UNITS SHALL BE DESIGNED FOR ADDITIONAL LOADS OF THE UNITS. COORDINATE WEIGHTS, SIZES AND LOCATIONS WITH MECHANICAL DRAWINGS. PEMB DESIGNER TO PROVIDE FRAMES TO SUPPORT EQUIPMENT.

ROOF FRMG PLAN LEGEND

Symbol	Description
	CHANGE IN ELEVATION
xx K	ADDITIONAL POINT LOAD
	SNOW DRIFT AREA
#	SNOW DRIFT DIAGRAM, SEE SCHEDULE **THIS SHEET**
	STEEL STUD WALL
	STEEL COLUMNS: WIDE FLANGE, TUBE, PIPE

SNOW DRIFT

Mark	Pd - (PSF)	W - (Feet)	Notes
1	54	24	-



NOTES
1. ALL DRIFT LOADS TO RUN FULL LENGTH ALONG A WALL LINE, UNO.
2. DRIFT LOADS ON JOISTS THAT OCCUR 90° TO EACH OTHER SHALL BE APPLIED CONCURRENTLY EXCEPT THE TWO LOADS NEED NOT BE SUPERIMPOSED (REFER TO FIGURE 7.7-3 OF ASCE 7-16).
3. DRIFT LOAD IS IN ADDITION TO BASE REQUIRED SNOW LOAD.
4. THE DRIFT LENGTH **W** SHALL BE THE LESSER OF THAT SHOWN IN THE SCHEDULE AND THE ACTUAL LENGTH OF THE ROOF. IN EITHER CASE, THE MAGNITUDE SHALL TAPER TO 0 PSF AT THE END OF THE DRIFT LENGTH.

A6 SNOW LOAD
NO SCALE
1777_01

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
PROFESSIONAL STRUCTURAL ENGINEER
9-12-2024
HENNING T. UNGERMAN
#7801713
STATE OF UTAH
09/12/2024

CONSULTANT INFORMATION
CALDER RICHARDS
CONSULTING ENGINEERS
1805 SOUTH REDWOOD RD, SUITE 102, SALT LAKE CITY, UT 84104
T: 801.466.1699 F: 801.467.2495
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

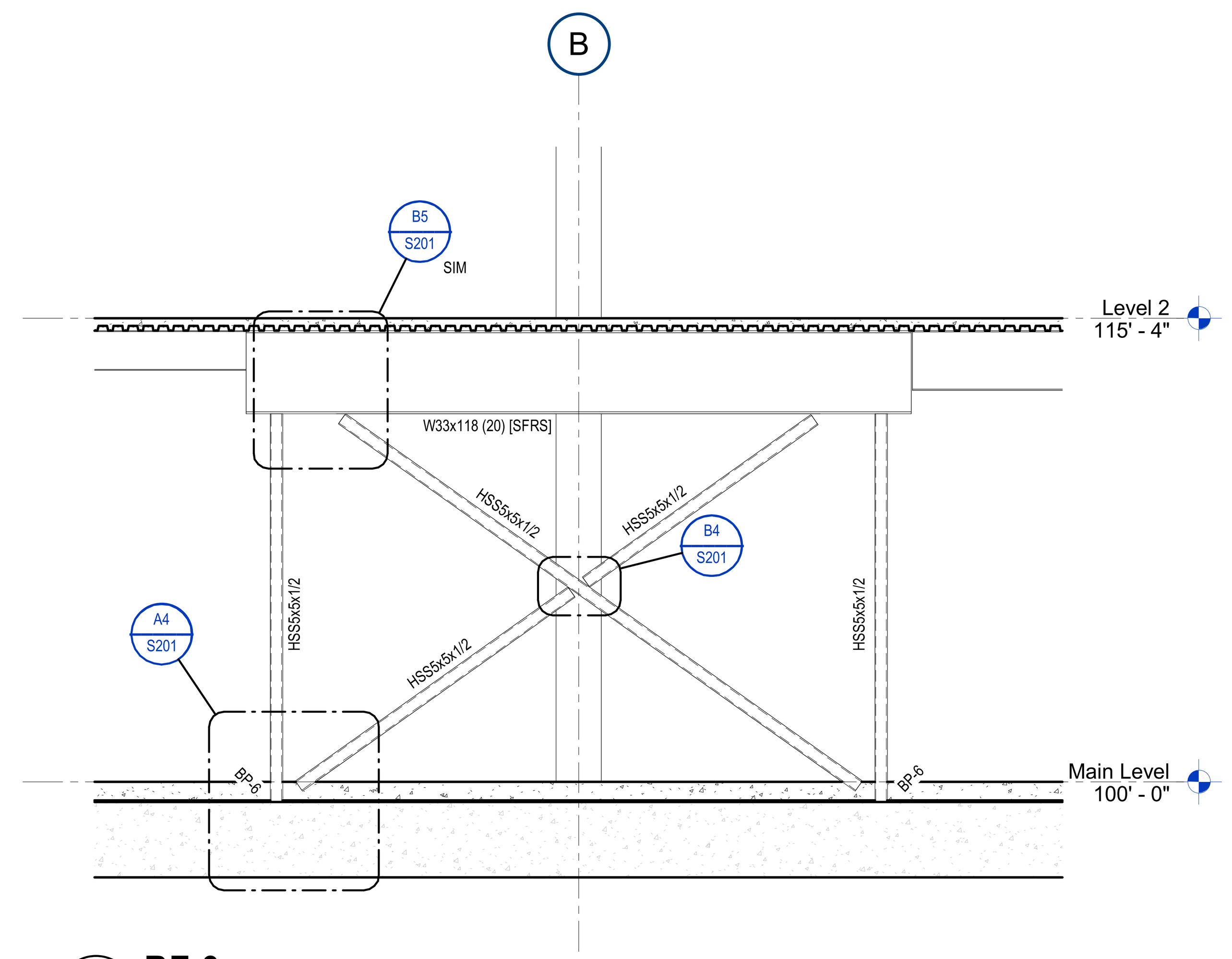
DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

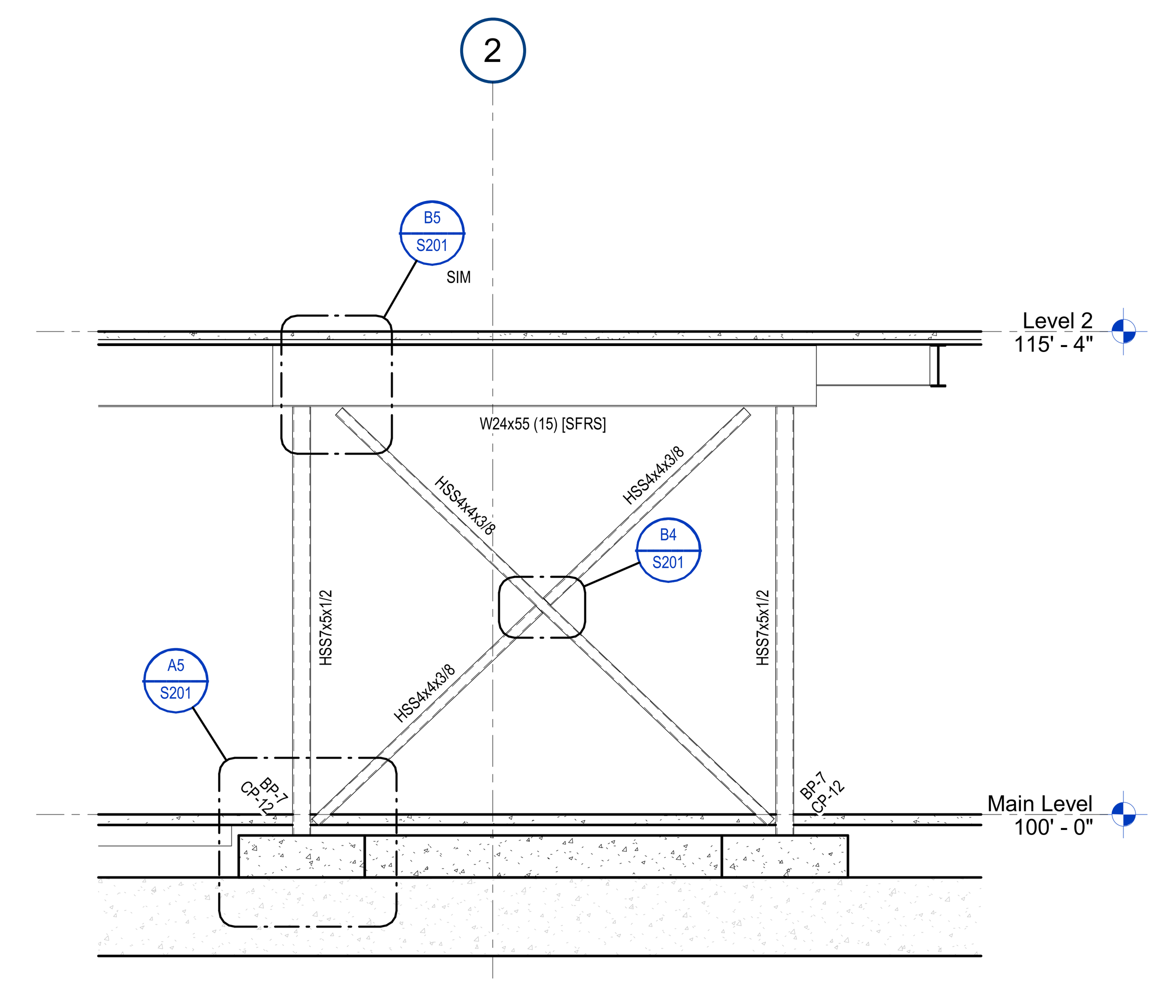
SHEET TITLE
ROOF FRAMING PLAN

SHEET NUMBER
S103

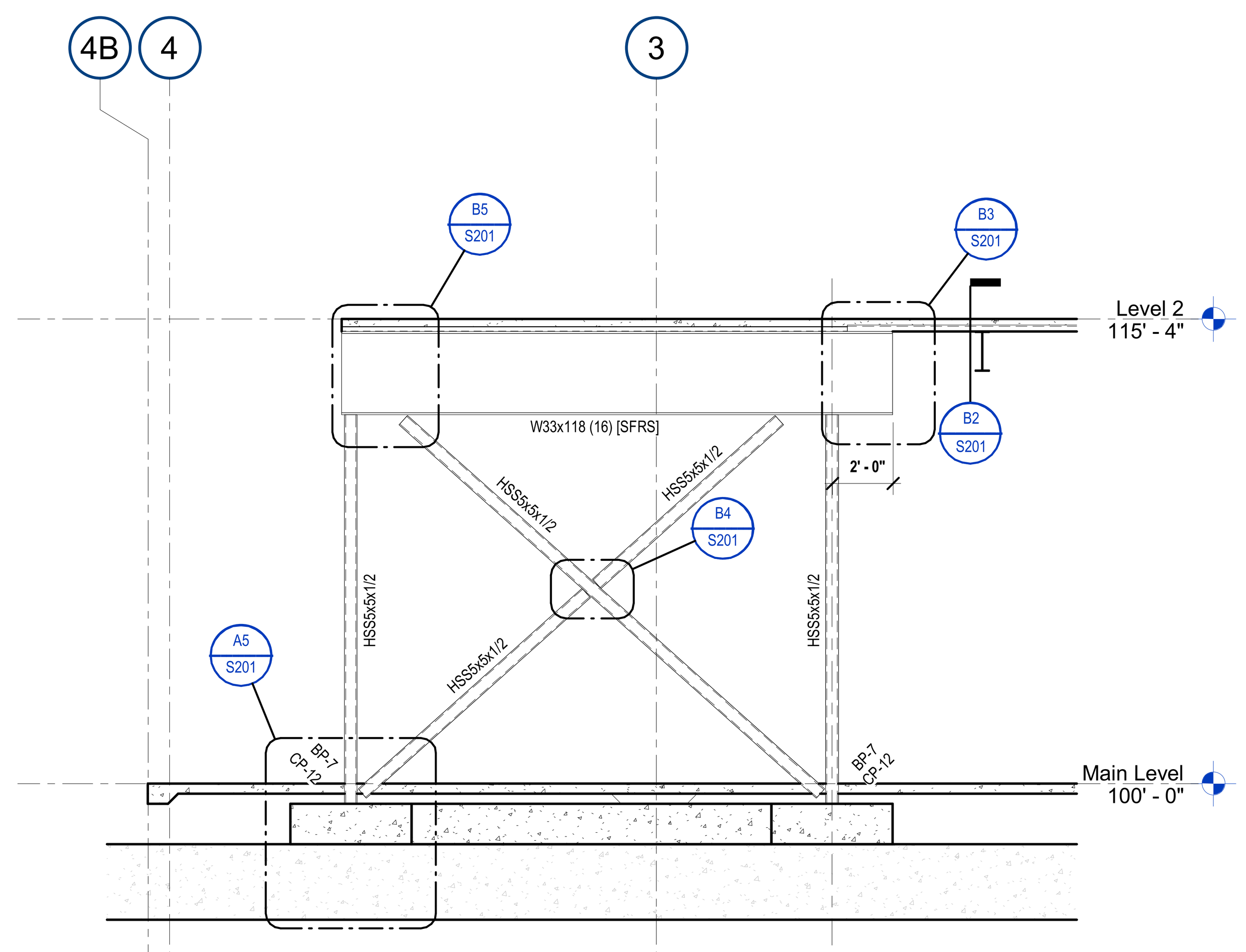
Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field - S23.rvt
9/12/2024 3:21:01 PM



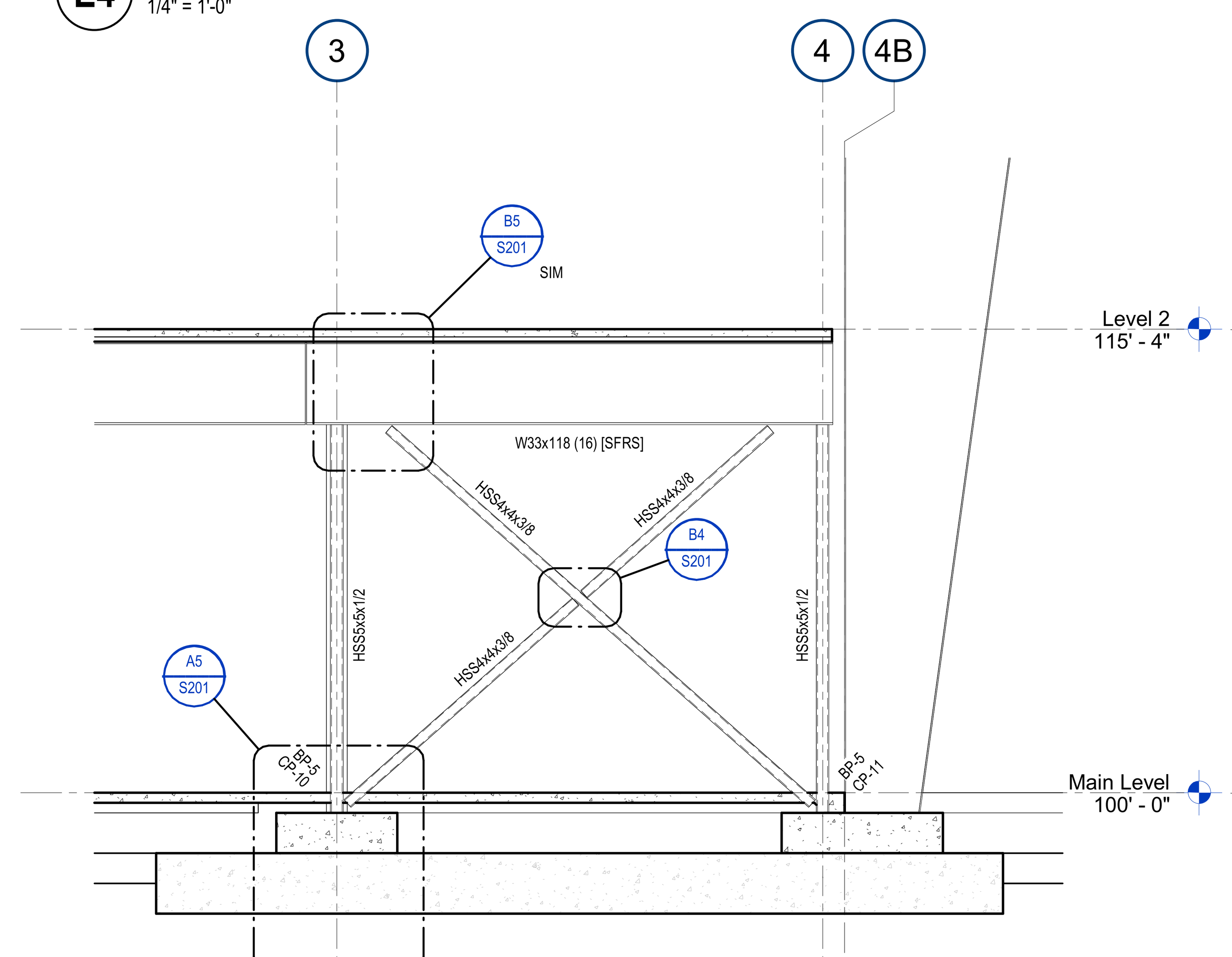
E2 BF-3
1/4" = 1'-0"



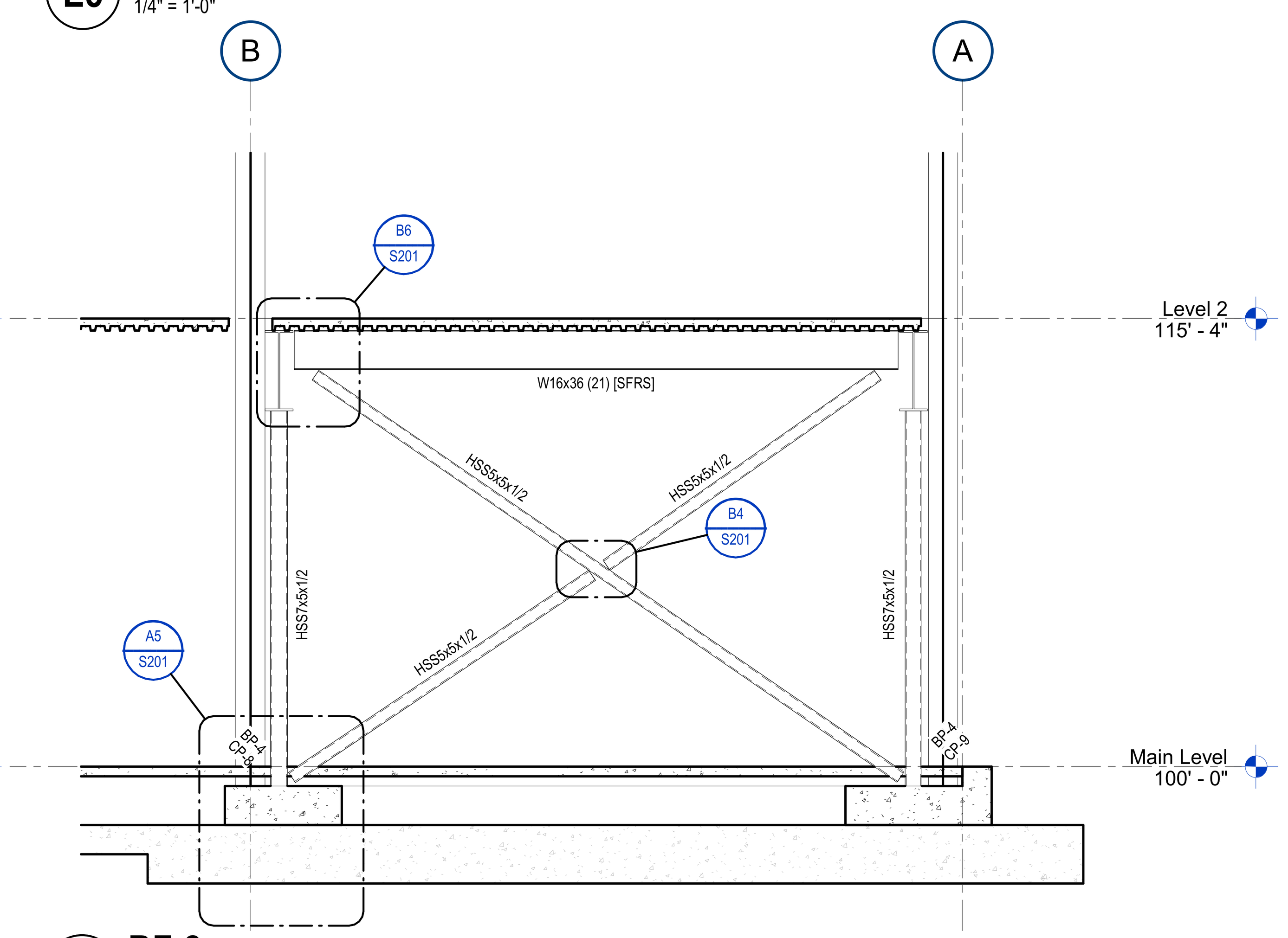
E4 BF-4
1/4" = 1'-0"



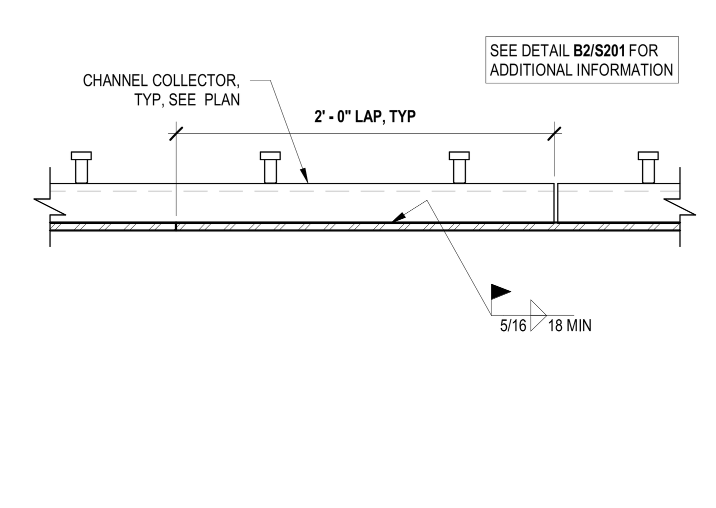
E5 BF-5 (BID ALT #1)
1/4" = 1'-0"



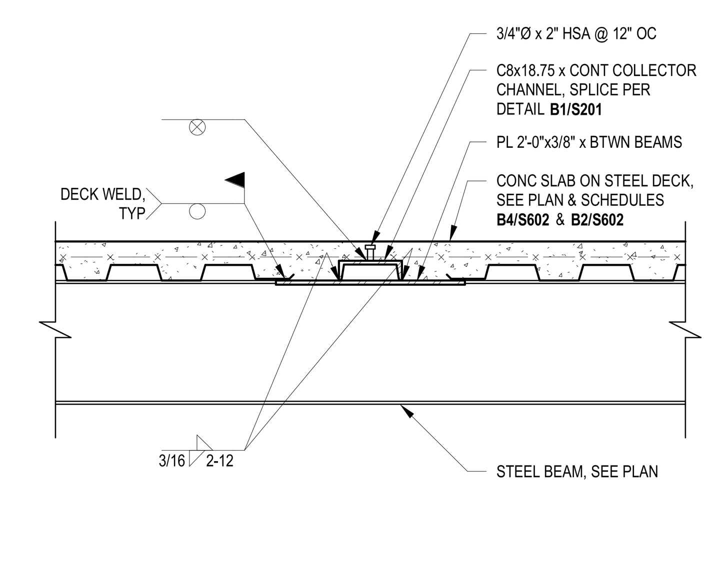
C4 BF-1
1/4" = 1'-0"



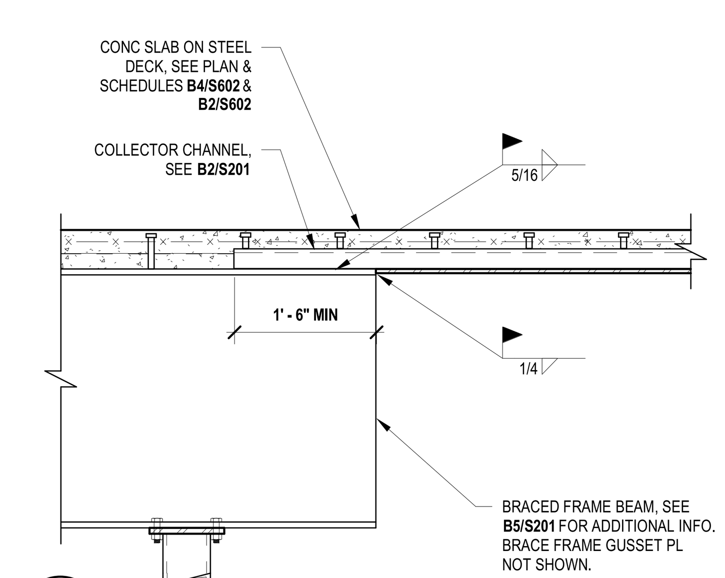
C5 BF-2
1/4" = 1'-0"



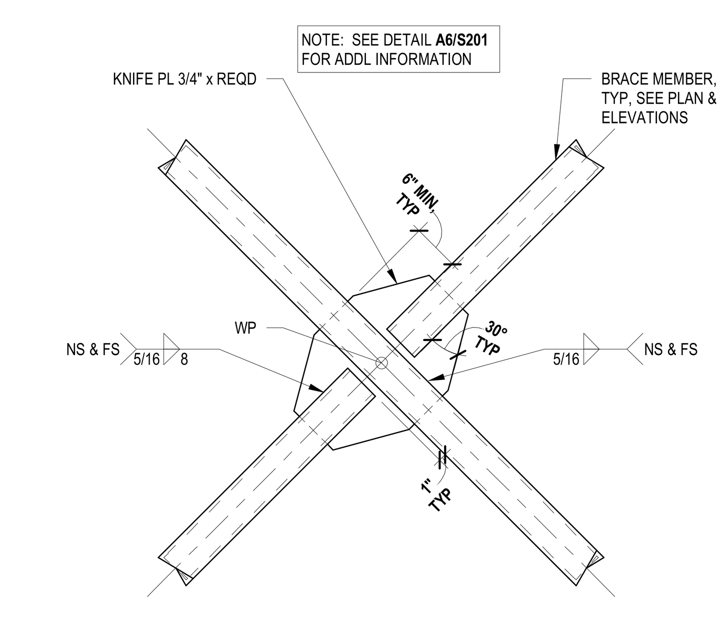
B1
1 1/2" = 1'-0"



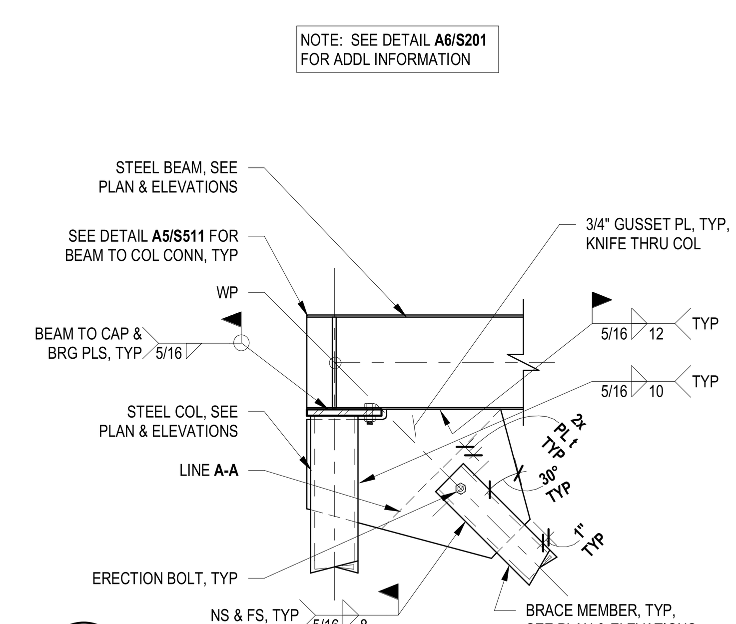
B2
3/4" = 1'-0"
SC4436_S



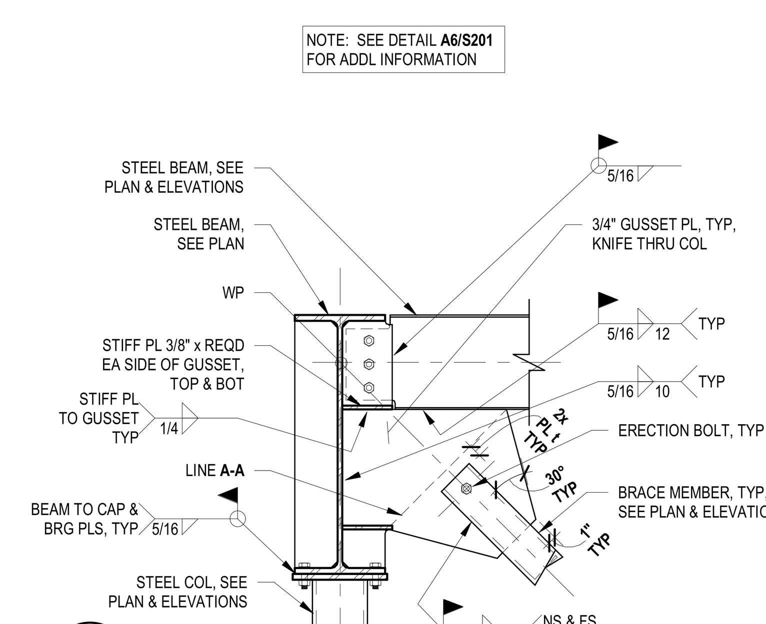
B3
3/4" = 1'-0"
SC4436_S



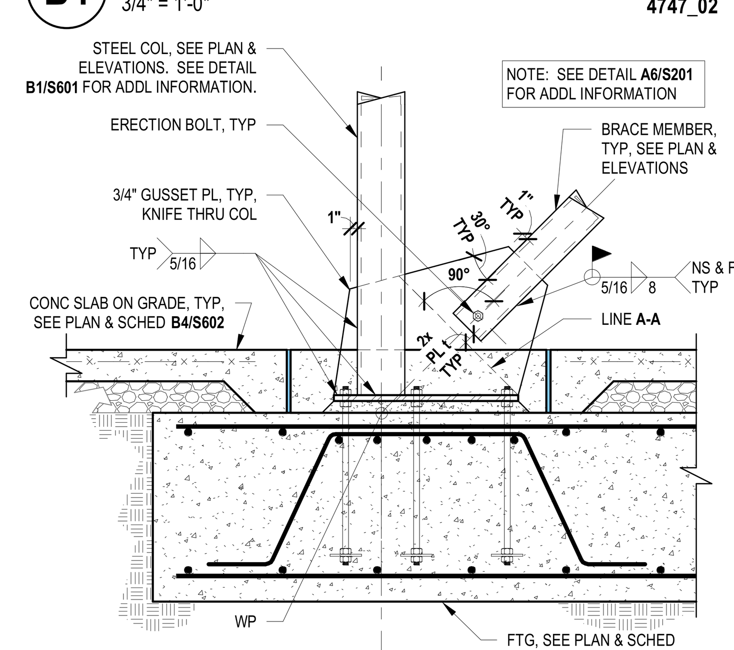
B4
3/4" = 1'-0"
4747_02



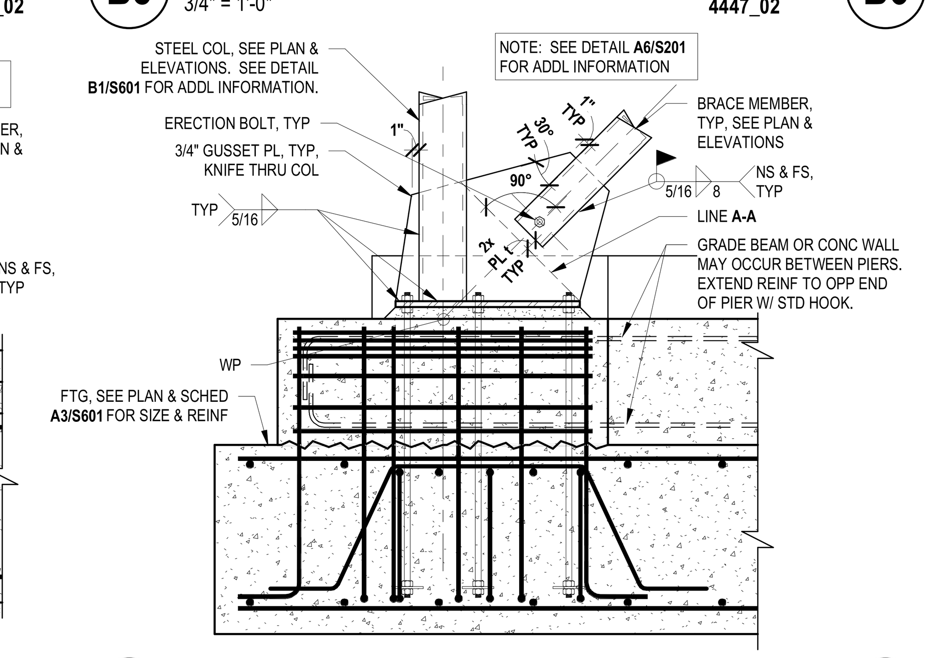
B5
3/4" = 1'-0"
4447_02



B6
3/4" = 1'-0"
4447_02



A4
3/4" = 1'-0"
3147_02



A5
3/4" = 1'-0"
3147_01

NOTES:

1. GUSSET PLATE DIMENSIONS MAY BE INCREASED WITH ENGINEER'S APPROVAL WHERE REQD DUE TO CONNECTION GEOMETRY AND TO ACHIEVE WELD LENGTH SPECIFIED.
2. WHERE MEMBER SIZE ALLOWS FOR ADDITIONAL WELD LENGTH, PROVIDE FULL WELDING OF ALL CONNECTIONS.
3. WELD LENGTH SHOWN IS MINIMUM REQUIRED. BEAMS, BRACES AND GUSSET PLATES SHALL BE CENTERED ON COLUMNS.
4. TUBE TO GUSSET WELDS OCCUR ON EACH SIDE OF EACH SLOT (4 PLACES).
5. ALL FIELD WELDS TO BE SPECIAL INSPECTED.
6. LINE **A-A** TO BE PERPENDICULAR TO BRACE CENTER LINE & OFFSET AS SHOWN. LINE **A-A** SHALL INTERSECT POINT OF GUSSET/ CONCRETE INTERSECTION OR GUSSET/BEAM INTERSECTION. LINE **A-A** SHALL BE SHOWN ON THE SUBMITTED SHOP DWGs.

A6
3/4" = 1'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
PROFESSIONAL STRUCTURAL ENGINEER
9-12-2024
HENNING T. UNGERMAN
#7801713
STATE OF UTAH
09/12/2024

CONSULTANT INFORMATION
CALDER RICHARDS
CONSULTING ENGINEERS
1805 SOUTH REDWOOD RD, SUITE 102, SALT LAKE CITY, UT 84104
T: 801.466.1699 F: 801.467.2495
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

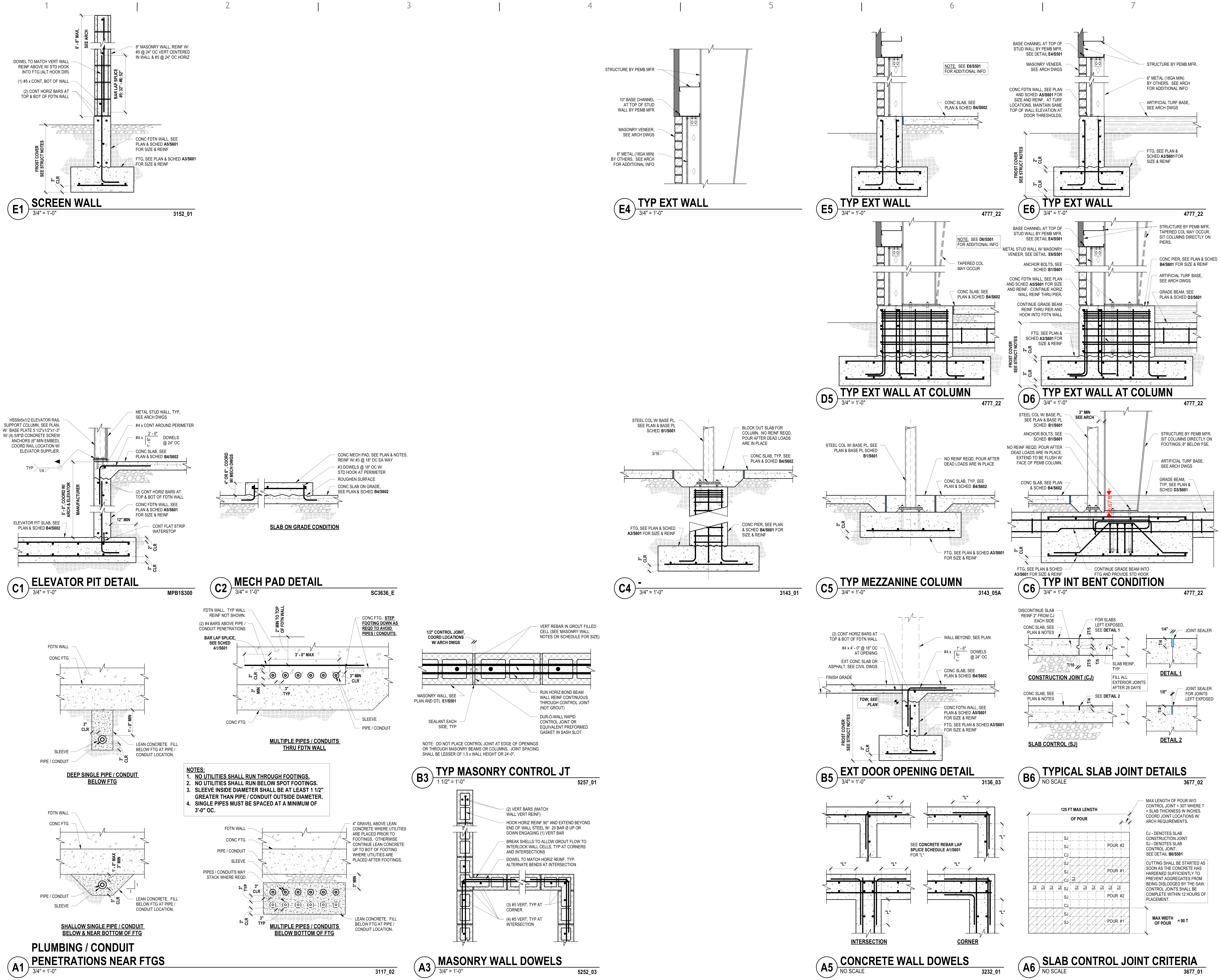
PROJECT INFORMATION
DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
BRACE FRAME ELEVATIONS AND DETAILS

SHEET NUMBER
S201



NOTES:

1. NO UTILITIES SHALL RUN THROUGH FOOTINGS.
2. NO UTILITIES SHALL RUN BELOW SPOT FOOTINGS.
3. SLEEVE INSIDE DIAMETER SHALL BE AT LEAST 1 1/2" GREATER THAN PIPE / CONDUIT OUTSIDE DIAMETER.
4. SINGLE PIPES MUST BE SPACED AT A MINIMUM OF 3'-0" OC.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

HENNING T. UNGERMAN 7801713 STATE OF UTAH 12-2024

09/12/2024

CONSULTANT INFORMATION

CALDER RICHARDS CONSULTING ENGINEERS

www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

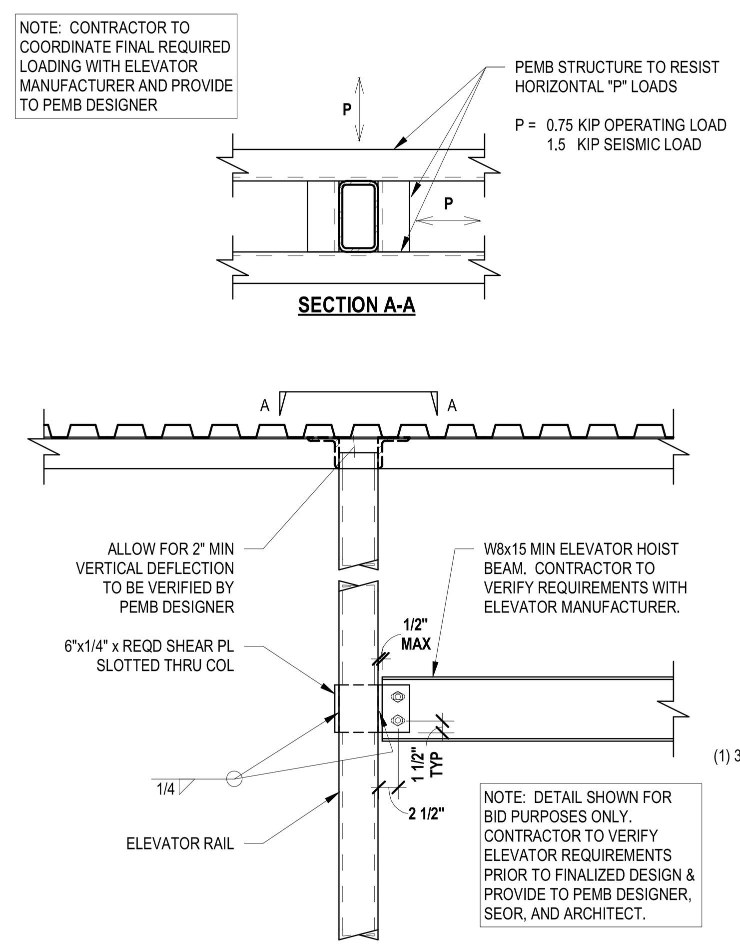
STRUCTURAL DETAILS

SHEET NUMBER

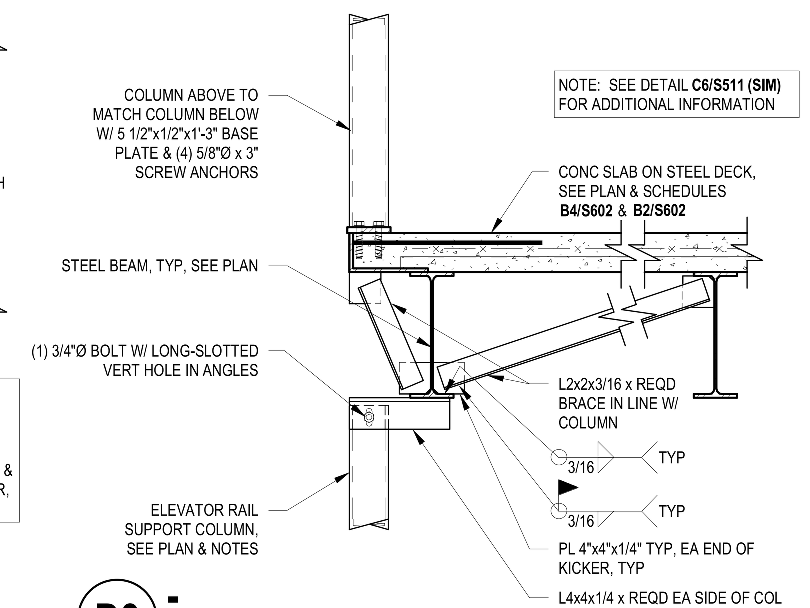
S501

1 2 3 4 5 6 7

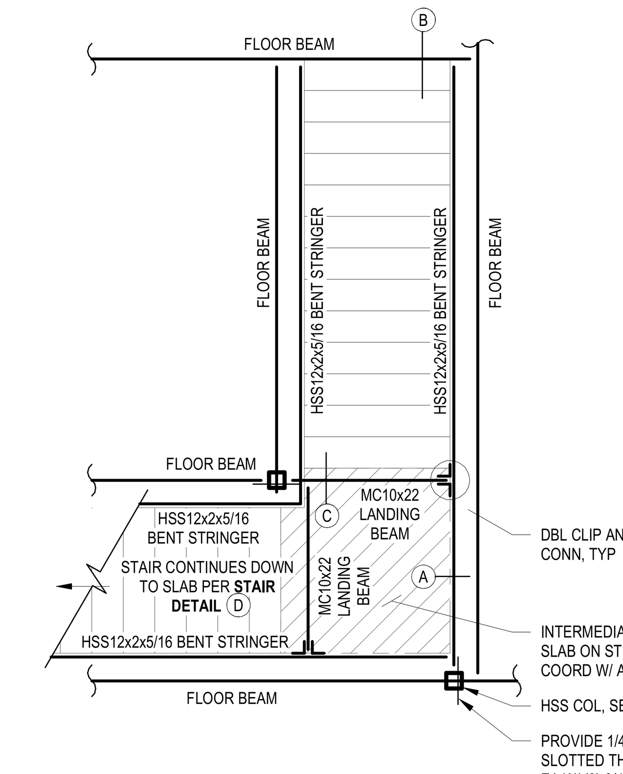
A B C D E



D2 **ELEVATOR RAIL SUPPORT**
3/4" = 1'-0" SC4436_N



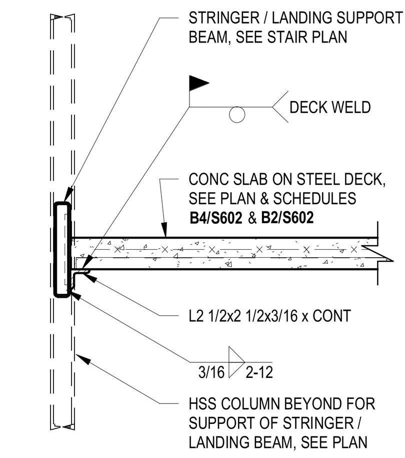
D3 -
3/4" = 1'-0" SC4436_N



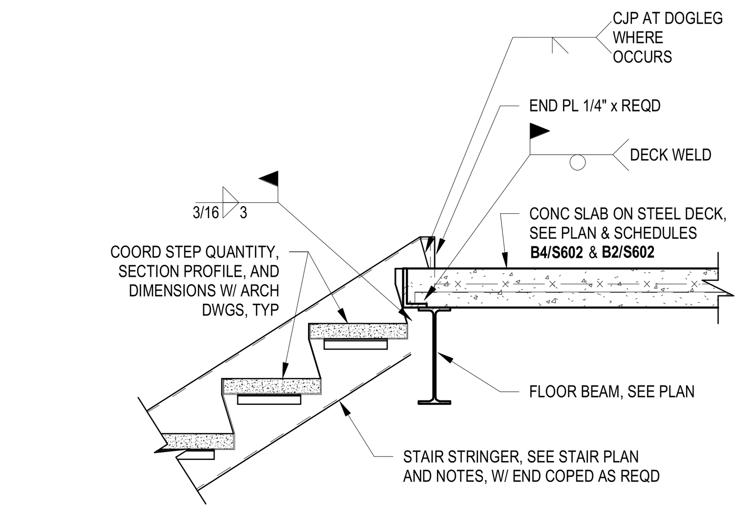
NOTES
1. SCHEMATIC STAIR PLAN DEPICTS TYPICAL MEMBER SIZES AND CONNECTIONS REQUIRED.
2. SEE ARCH PLANS AND SECTIONS FOR ALL SPECIFIC STAIR DIMENSIONS, LAYOUT, UP/DOWN RUN DIRECTIONS, AND OTHER GEOMETRY.
3. SEE STRUCTURAL FRAMING PLANS FOR FLOOR BEAM SIZES.
4. STRINGERS SHALL BE HSS12x2x5/16, UNO.
5. AT CONTRACTOR'S OPTIONS, SHOP DRAWINGS MAY BE PROVIDED SHOWING A DIFFERENT TYPE OF STAIR LAYOUT FOR REVIEW.

SCHEMATIC STAIR PLAN

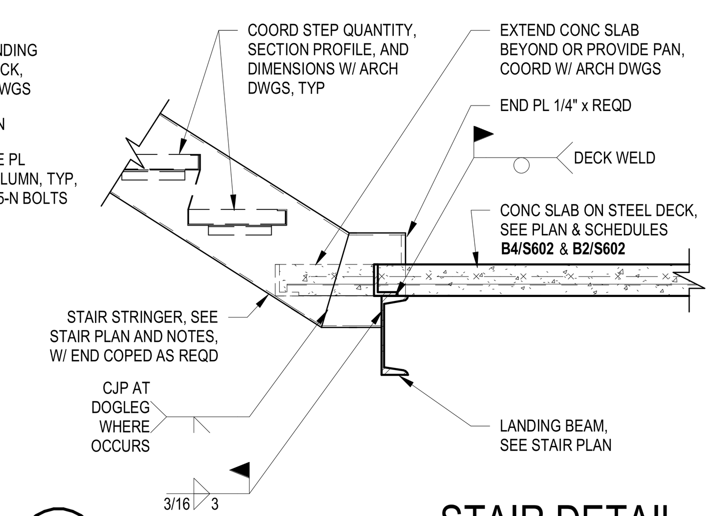
D4 **SCHEMATIC STAIR FRAMING AND DETAILS**
NO SCALE 4444_02



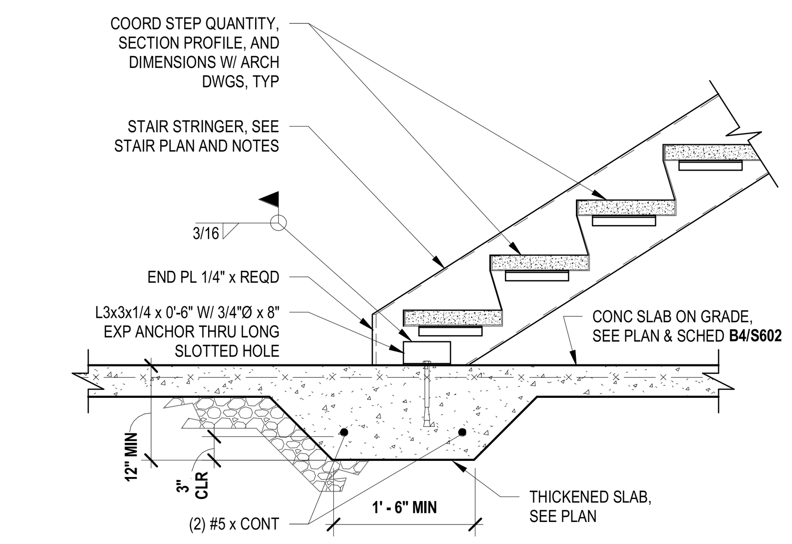
A LANDING SUPPORT DETAIL



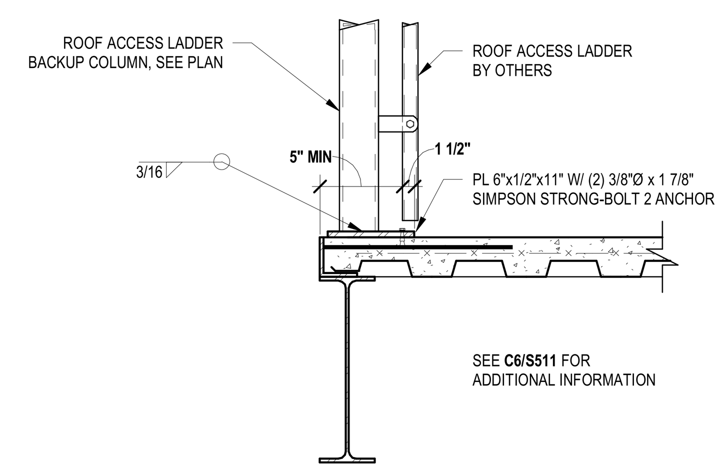
B STAIR DETAIL



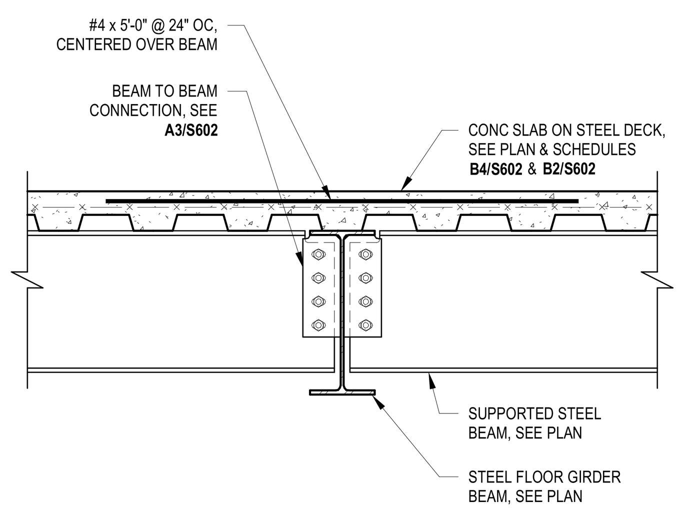
C STAIR DETAIL



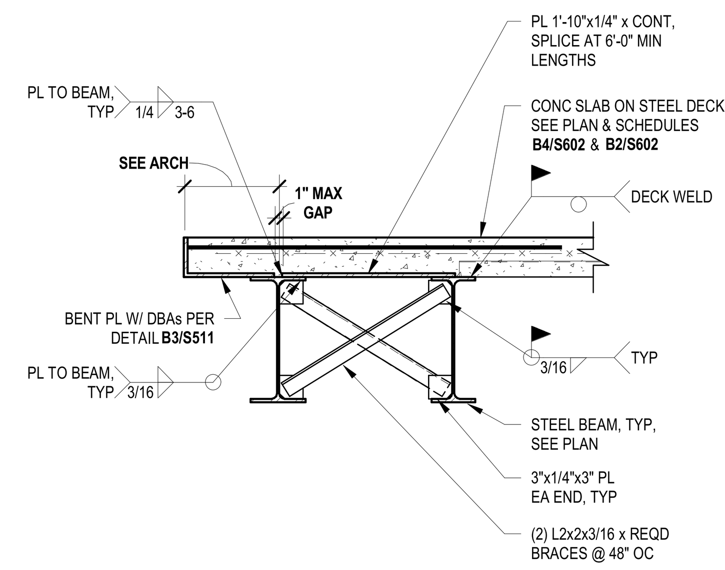
D STAIR DETAIL



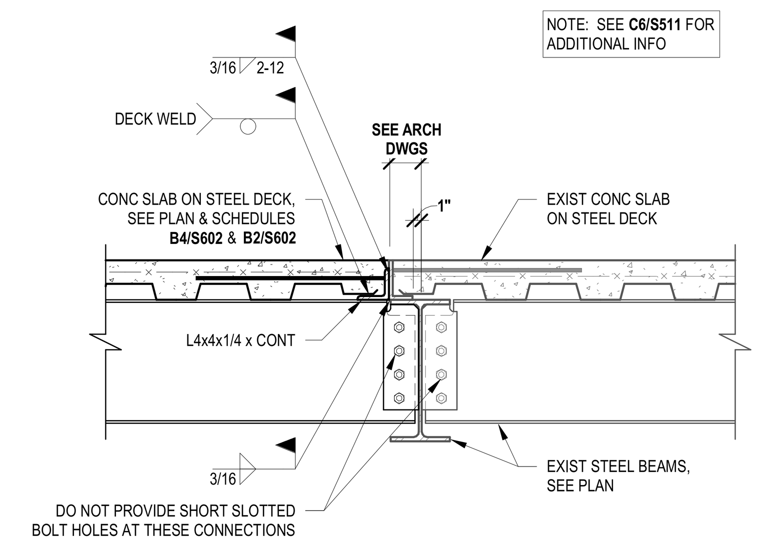
C2 -
3/4" = 1'-0"



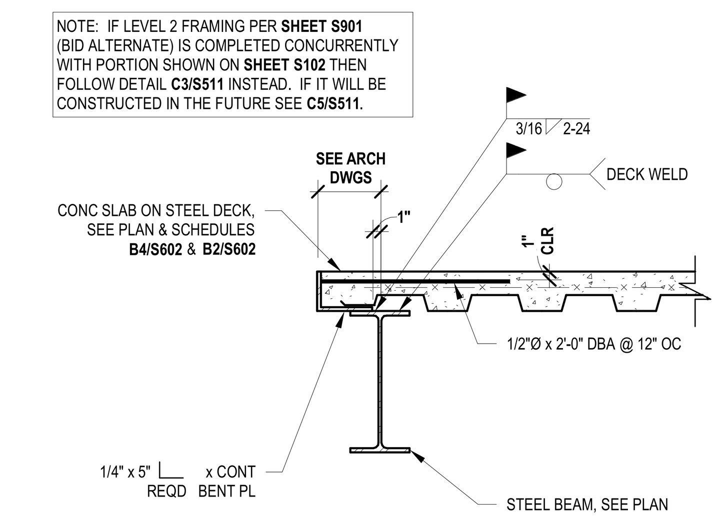
C3 -
3/4" = 1'-0" SC4436_S



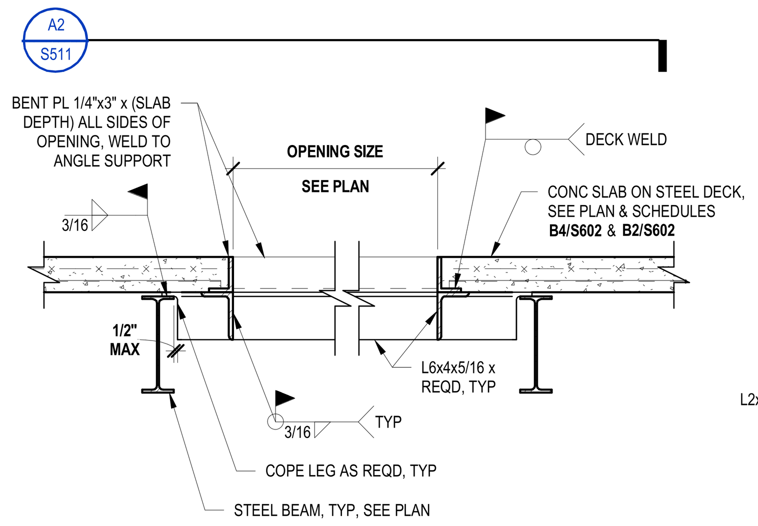
C4 -
3/4" = 1'-0" SC4436_T



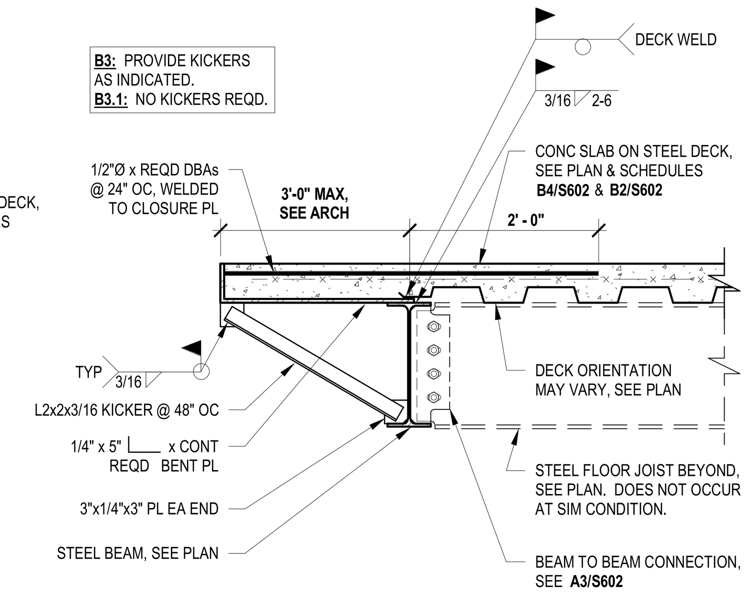
C5 **SLAB EDGE DETAIL (FUTURE FRAMING COND)**
3/4" = 1'-0" SC4436_G



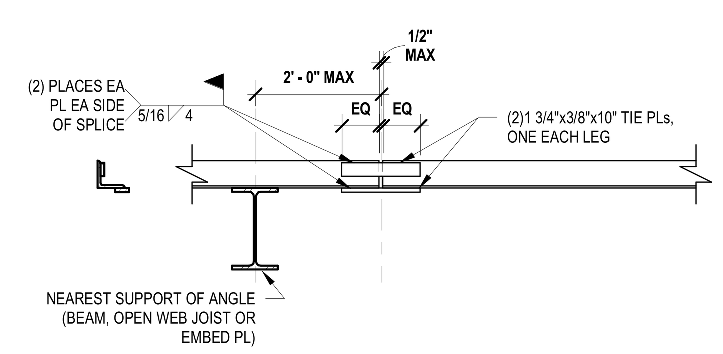
C6 **SLAB EDGE DETAIL**
3/4" = 1'-0" SC4436_G



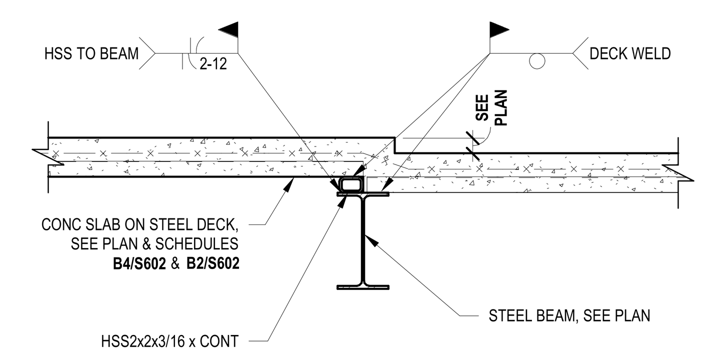
B2 -
NO SCALE 4546_01



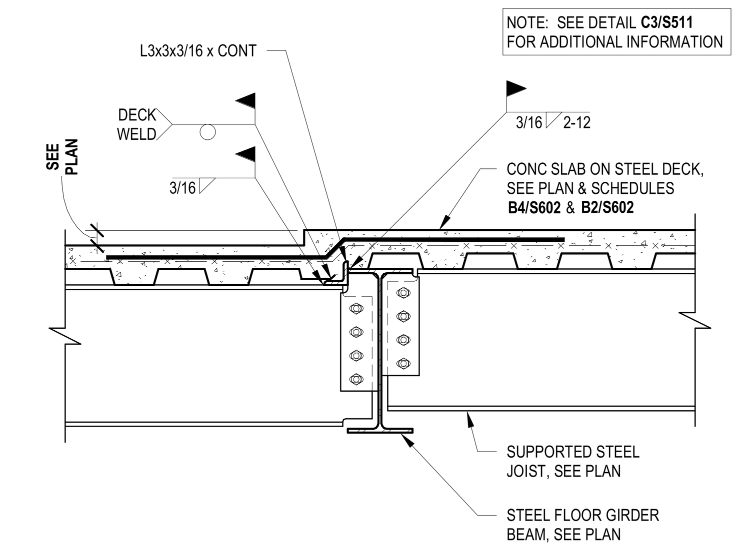
B3 B3.1 -
3/4" = 1'-0" SC4436_T



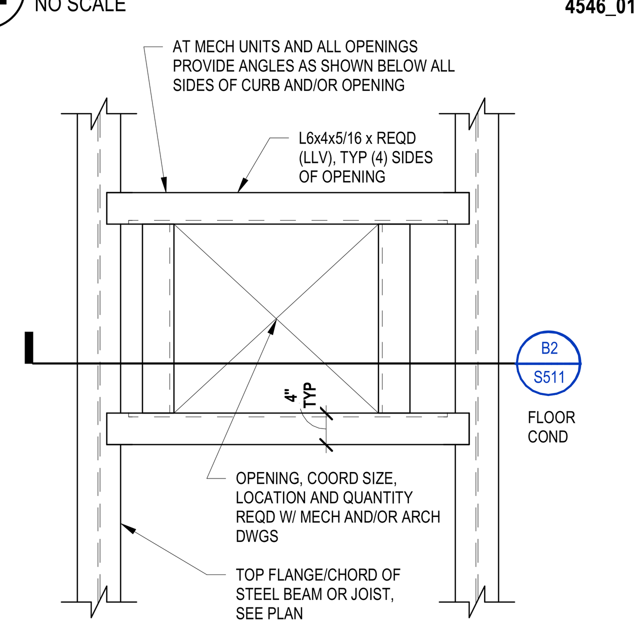
B4 **LEDGER ANGLE SPLICE**
NO SCALE 4646_01



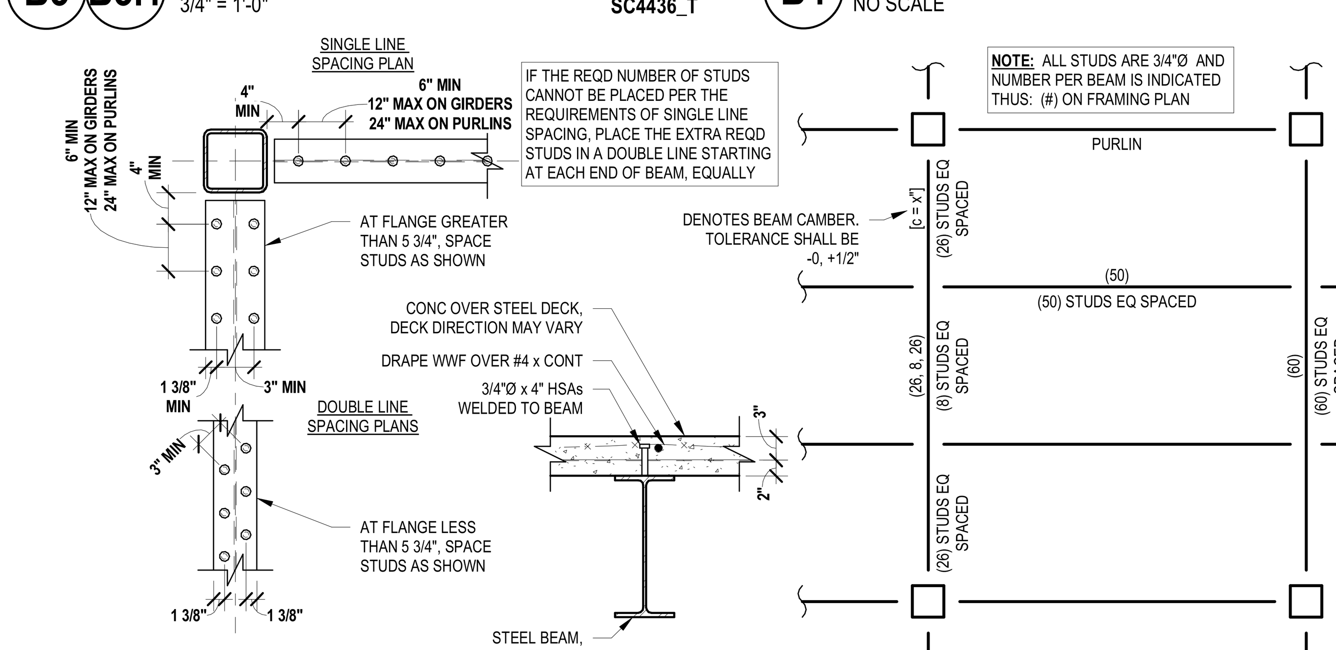
B5 -
3/4" = 1'-0" SC4436_D



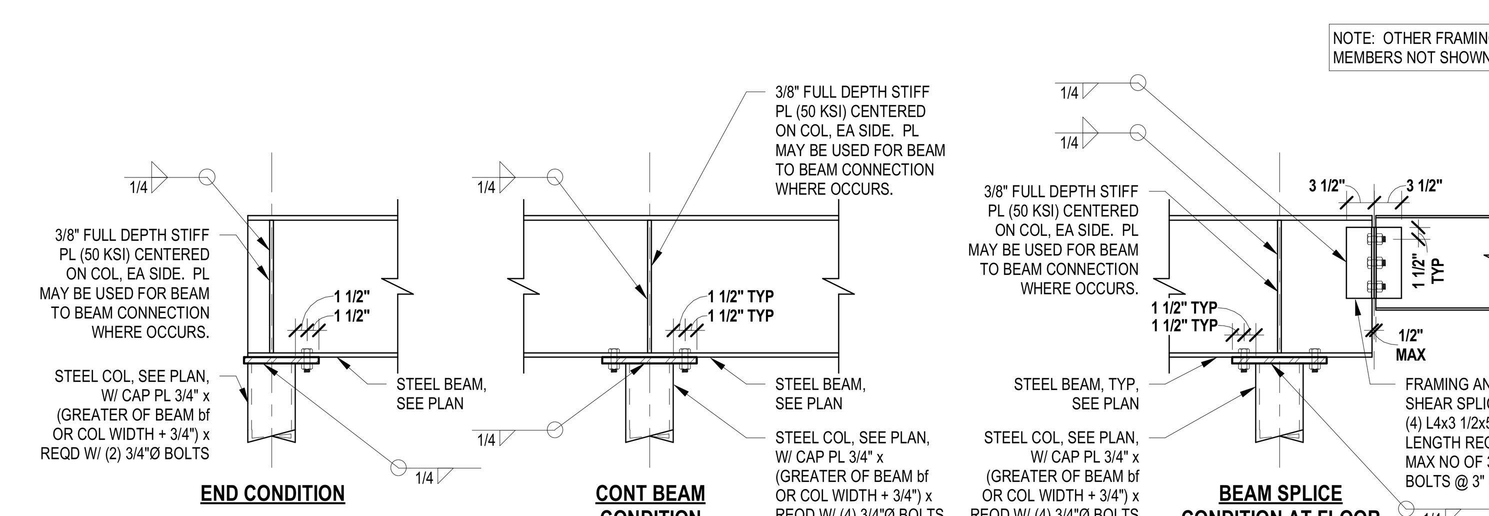
B6 -
3/4" = 1'-0" SC4436_R



A2 -
NO SCALE 4546_03



A3 -
NO SCALE 4436_01 COMPBM1



A5 -
NO SCALE 4344_05

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
HENNING T. UNGERMAN 8801713 STATE OF UTAH
09/12/2024

CONSULTANT INFORMATION
CALDER RICHARDS CONSULTING ENGINEERS
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION
DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS
BID SET
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

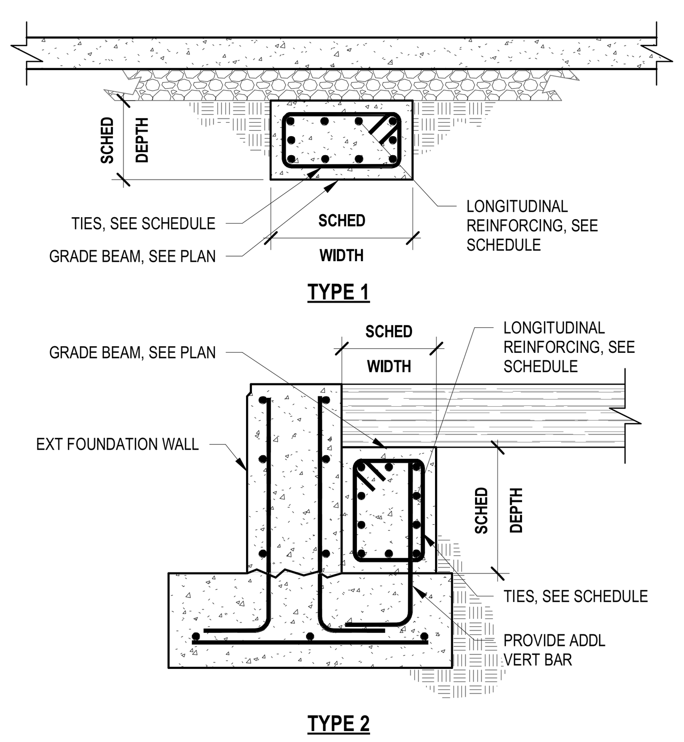
SHEET TITLE
STRUCTURAL DETAILS

SHEET NUMBER
S511

Mark	Depth	Width	Longitudinal Reinf	Ties	Configuration
GB-1	1' - 6"	1' - 6"	(10) #6 x Cont	#3 @ 9" OC	Type 1
GB-2	1' - 4"	1' - 0"	(6) #5 x Cont	#3 @ 8" OC	Type 2

SCHEDULE - CONCRETE GRADE BEAMS

GRADE BEAM NOTES:
1. REINFORCING SHALL BE CONTINUOUS THROUGH ANY INTERSECTION WALL OR FOOTING.
2. GRADE BEAMS SHALL BE IN PLACE PRIOR TO METAL BUILDING ERECTION.
3. SEE CONCRETE REINFORCING LAP LENGTH SPLICE SCHEDULE THIS SHEET FOR BAR LAP REQUIREMENTS.



D3 CONCRETE GRADE BEAM SCHEDULE

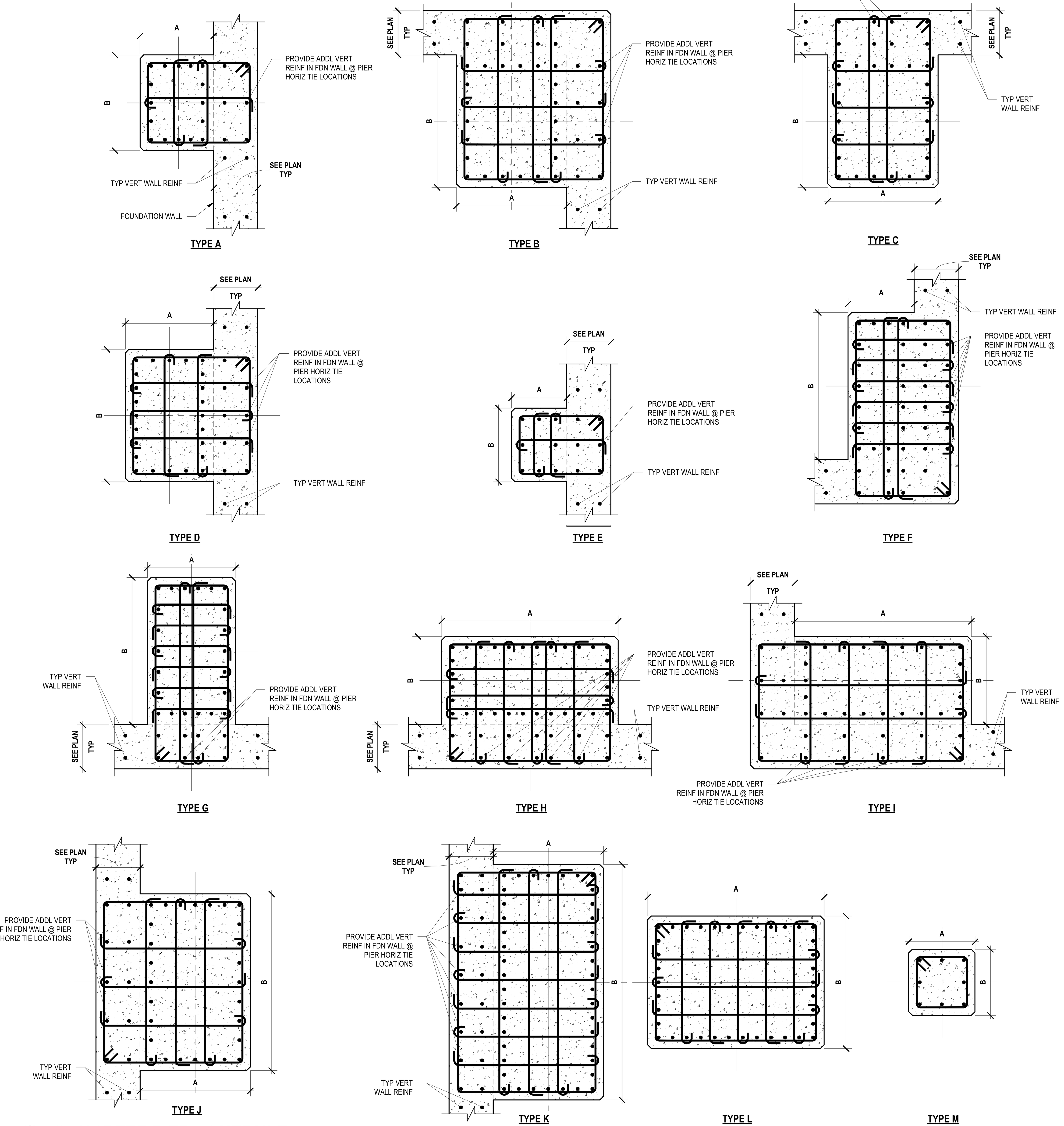
3/4" = 1'-0"

4777_27

SCHEDULE - CONCRETE PIERS

Mark	Size A	Size B	Size C	Size D	Reinforcing Vertical	Reinforcing Ties	Configuration	Comments
CP-1	1'-8"	2'-2"	-	-	(16) #5	#3 @ 4" OC	Type A	
CP-2	2'-6"	3'-0"	-	-	(22) #6	#3 @ 4" OC	Type B	
CP-3	2'-6"	3'-0"	-	-	(22) #6	#3 @ 4" OC	Type C	
CP-4	2'-0"	3'-6"	-	-	(24) #6	#3 @ 4" OC	Type D	
CP-5	1'-3"	1'-8"	-	-	(8) #5	#3 @ 4" OC	Type E	
CP-6	1'-6"	3'-4"	-	-	(16) #6	#3 @ 4" OC	Type F	
CP-7	2'-0"	3'-4"	-	-	(22) #6	#3 @ 4" OC	Type G	
CP-8	4'-0"	2'-0"	-	-	(26) #6	#3 @ 4" OC	Type H	
CP-9	4'-0"	2'-0"	-	-	(26) #6	#3 @ 4" OC	Type I	
CP-10	2'-6"	4'-0"	-	-	(28) #6	#3 @ 4" OC	Type J	
CP-11	2'-6"	5'-4"	-	-	(42) #6	#3 @ 4" OC	Type K	
CP-12	4'-0"	3'-0"	-	-	(38) #6	#3 @ 4" OC	Type L	
CP-13	1'-6"	1'-6"	-	-	(8) #6	#3 @ 4" OC	Type M	

NOTES:
1. PROVIDE (4) SETS OF TIES IN TOP 5" OF PIER IN ADDITION TO TIE SPACING SHOWN.
2. EMBED COLUMN ANCHOR BOLTS PER ANCHOR BOLT OR BASE PLATE SCHEDULE.
3. NOT ALL BAR CONFIGURATIONS ARE SHOWN. PROVIDE CROSS TIES WHERE VERT REINF IS SPACED MORE THAN 6" APART OR AT EVERY OTHER VERT BAR.
4. CROSS TIES SHALL HAVE ONE END WITH A 90° HOOK AND ONE END WITH A 135° HOOK. ALTERNATE ENDS OF HOOKS ALONG VERT BARS.
5. TOP OF PIER AND TOP OF WALL MAY BE AT DIFFERENT ELEVATIONS. COORDINATE ELEVATIONS WITH PLANS AND DETAILS.



B4 CONCRETE PIER SCHEDULE

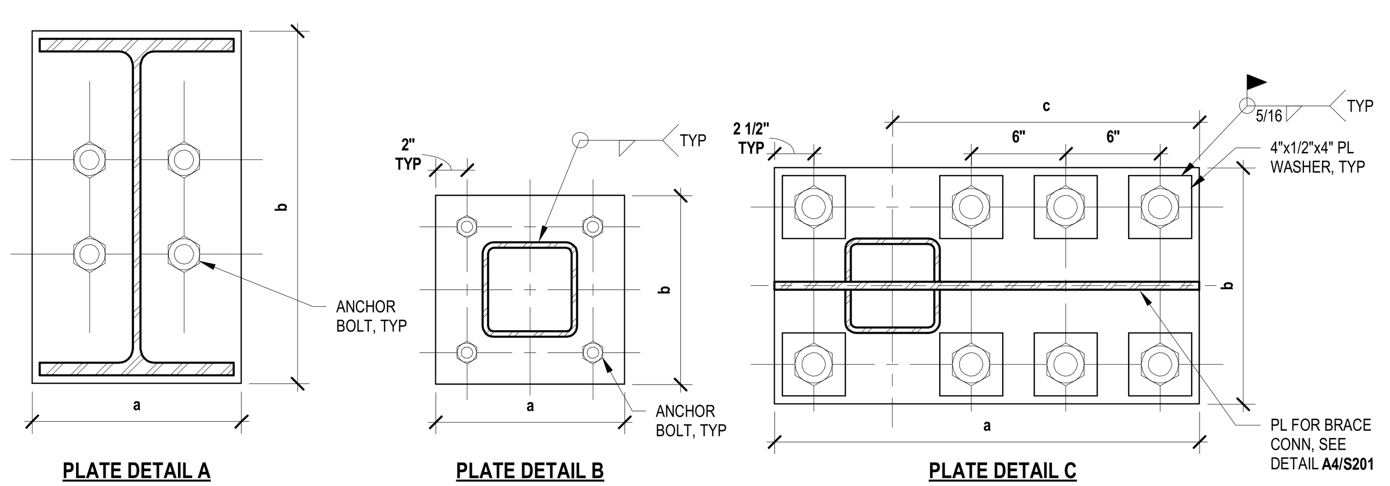
NO SCALE

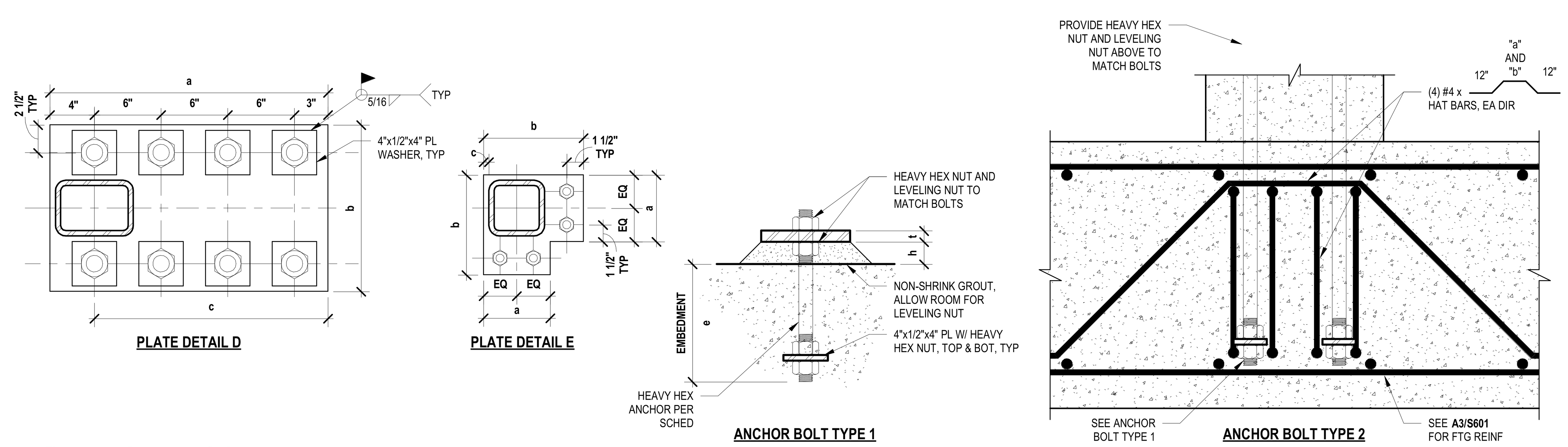
3733_02

SCHEDULE - BASE PLATE

Mark	Plate Detail	Plate Dimensions "t"	"a"	"b"	"c"	Anchor Bolts Number	Diameter	Embed "e"	Type	Grade	Grout Depth "h"	Notes
BP-1	B	3/4"	10"	10"	-	(4)	3/4"	8 1/2"	1	F1554 GR36	1 1/2"	
BP-2	B	3/4"	11"	11"	-	(4)	3/4"	8 1/2"	1	F1554 GR36	1 1/2"	
BP-3	B	7/8"	13"	11"	-	(4)	3/4"	8 1/2"	1	F1554 GR36	1 1/2"	
BP-4	D	1"	25"	16"	21"	(8)	1 1/2"	44"	2	F1554 GR55	2 1/2"	
BP-5	C	1"	24"	14"	18"	(8)	1 1/4"	44"	2	F1554 GR55	2"	
BP-6	C	1"	28"	14"	20"	(8)	1 1/2"	26"	2	F1554 GR55	2 1/2"	
BP-7	C	1"	26"	14"	19"	(8)	1 1/2"	44"	2	F1554 GR55	2 1/2"	
BP-8	A	-	-	-	-	(4)	1"	18"	-	F1554 GR36	-	SEE NOTES 9 & 10
BP-9	A	-	-	-	-	(10)	1 1/4"	44"	-	F1554 GR55	-	SEE NOTES 9 & 10
BP-10	A	-	-	-	-	(10)	1"	20"	-	F1554 GR55	-	SEE NOTES 9 & 10
BP-11	A	-	-	-	-	(4)	1"	44"	-	F1554 GR36	-	SEE NOTES 9 & 10
BP-12	E	3/4"	6"	12"	1/2"	(4)	3/4"	8 1/2"	1	F1554 GR36	1 1/2"	

BASE PLATE NOTES:
1. ALL PLATES ARE A36 STEEL, UNO.
2. NON-SHRINK GROUT SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4,000 PSI.
3. ALL BOLTS SHALL BE THREADED FOR FULL HEIGHT ABOVE TOP OF CONCRETE AND HAVE DOUBLE NUTS WITH WASHERS AT BOTTOM.
4. CENTER ALL COLUMNS ON PLATES, UNO.
5. ALL COLUMNS SHALL BE WELDED TO BASE PLATES WITH FILLET WELDS, UNO. ALL FILLET WELDS SHALL BE AS PER AISC TABLE J2.4, 3/16" MINIMUM.
6. ALL ANCHOR BOLTS ARE 3/4"Ø, TYPE 1, UNO.
7. COLUMN SHAPES SHOWN ON DETAILS MAY NOT CORRESPOND WITH ACTUAL COLUMN SHAPE. SEE STRUCTURAL PLANS FOR COLUMN TYPE.
8. SEE PLAN AND DETAILS FOR SPECIAL BASE PLATE CONDITIONS, WHERE OCCUR.
9. PEMB MANUFACTURER TO PROVIDE BASE PLATE SIZES, THICKNESSES AND LAYOUTS.
10. ANCHORAGE IS BASED OFF OF ASSUMPTIONS MADE PRIOR TO COMPLETION OF PEMB DESIGN. ANCHOR BOLT SIZING, SPACING, AND CONFIGURATION SUBJECT TO CHANGE.





B1 BASE PL SCHEDULE

NO SCALE

SCHEDULE - REINFORCING SPLICE LAP LENGTHS - f'c 3000 - 5000 PSI

Bar Size	f'c = 3000psi Regular Class A	Regular Class B	Top Class A	Top Class B	f'c = 4000psi Regular Class A	Regular Class B	Top Class A	Top Class B	f'c = 5000psi Regular Class A	Regular Class B	Top Class A	Top Class B
#3	17"	22"	22"	28"	15"	19"	19"	24"	13"	17"	17"	22"
#4	22"	29"	29"	38"	18"	25"	26"	33"	17"	22"	23"	30"
#5	28"	36"	37"	48"	24"	31"	32"	42"	21"	28"	24"	37"
#6	33"	43"	45"	58"	29"	37"	39"	50"	26"	33"	35"	45"
#7	48"	63"	63"	82"	42"	55"	55"	71"	37"	48"	48"	62"
#8	55"	72"	72"	93"	48"	63"	63"	81"	42"	55"	55"	71"
#9	62"	81"	81"	105"	54"	71"	71"	92"	48"	62"	62"	80"
#10	70"	91"	91"	118"	61"	79"	79"	103"	54"	70"	70"	90"
#11	78"	101"	101"	131"	68"	88"	88"	114"	60"	77"	77"	100"

NOTES:
1. THE SCHEDULE SHOWN APPLIES TO REGULAR WEIGHT CONCRETE WITH 60ksi GRADE REINFORCING BARS.
2. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF FRESH CONCRETE CAST BELOW THE BARS.
3. CLASS "A" SPLICES SHALL BE USED WHEN 50% (OR LESS) OF BARS SPLICED WITHIN LAP.
4. CLASS "B" SPLICES SHALL BE USED FOR ALL ELSE, TYPICALLY WITH SHEARWALLS, COLUMNS, BEAMS AND SLABS.
5. FOR EPOXY COATED BARS, INCREASE LAP LENGTHS AS FOLLOWS:
   TOP BARS: Ld x 1.7
   REGULAR BARS: Ld x 1.5
6. FOR BUNDLED BARS, INCREASE LAP LENGTHS AS FOLLOWS:
   BUNDLED BARS, THREE OR LESS: Ld x 1.2
   BUNDLED BARS, FOUR OR MORE: Ld x 1.33
   INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP.
7. LAP SPLICES ARE NOT ALLOWED FOR TIES AND STIRRUPS.

A1 -

NO SCALE

3747_01

SCHEDULE - FOOTINGS

Mark	Width	Length	Thickness	Crosswise Reinforcing	Crosswise Spacing	Lengthwise Reinforcing	Lengthwise Spacing	Notes
FC3.0	3' - 0"	CONT	12"	-	-	(4) #5 x CONT	EQ	
FC4.0	4' - 0"	CONT	12"	-	-	(5) #5 x CONT	EQ	
FR10.0/28.0	10' - 0"	28' - 0"	24"	(25) #7 x 9' - 6"	EQ	(10) #7 x 27' - 6"	EQ	TOP & BOTTOM
FR10.0/35.0	10' - 0"	35' - 0"	24"	(31) #7 x 9' - 6"	EQ	(10) #7 x 34' - 6"	EQ	TOP & BOTTOM
FR12.0/32.0	12' - 0"	32' - 0"	24"	(28) #7 x 11' - 6"	EQ	(12) #7 x 31' - 6"	EQ	TOP & BOTTOM
FR13.0/31.0	13' - 0"	31' - 0"	30"	(34) #7 x 12' - 6"	EQ	(16) #7 x 30' - 6"	EQ	TOP & BOTTOM
FR13.0/34.0	13' - 0"	34' - 0"	30"	(37) #7 x 12' - 6"	EQ	(16) #7 x 34' - 6"	EQ	TOP & BOTTOM
FR13.0/36.0	13' - 0"	36' - 0"	30"	(40) #7 x 12' - 6"	EQ	(16) #7 x 35' - 6"	EQ	TOP & BOTTOM
FS4.0	4' - 0"	4' - 0"	12"	(4) #5 x 3' - 6"	EQ	(4) #5 x 3' - 6"	EQ	
FS6.0	6' - 0"	6' - 0"	12"	(4) #6 x 5' - 6"	EQ	(4) #6 x 5' - 6"	EQ	
FS8.0	8' - 0"	8' - 0"	16"	(5) #7 x 7' - 6"	EQ	(5) #7 x 7' - 6"	EQ	TOP & BOTTOM
FS10.0	10' - 0"	10' - 0"	24"	(9) #7 x 9' - 6"	EQ	(9) #7 x 9' - 6"	EQ	TOP & BOTTOM
FS12.0	12' - 0"	12' - 0"	24"	(11) #7 x 11' - 6"	EQ	(11) #7 x 11' - 6"	EQ	TOP & BOTTOM
FS13.0	13' - 0"	13' - 0"	30"	(14) #7 x 12' - 6"	EQ	(14) #7 x 12' - 6"	EQ	TOP & BOTTOM

FOOTING NOTES:
1. PLACE CROSSWISE REINFORCING 3" CLEAR FROM GRADE.
2. WHERE TOP REINFORCING IS INDICATED, PLACE TOP CROSSWISE REINFORCING 2" CLEAR FROM TOP OF FOOTING AND LENGTHWISE REINFORCING UNDER CROSSWISE REINFORCING.
3. REINFORCE FOOTINGS MARKED WITH AN ASTERISK (*) EQUALLY, TOP & BOTTOM.
4. REINFORCE FOOTINGS MARKED WITH A PLUS SIGN (+), W/ #4 @ 12" OC, EACH WAY AT TOP MAT AND BOTTOM MAT AS SCHEDULED.
5. ALL CONTINUOUS FOOTINGS SHALL BE FC2.0, AND SQUARE FOOTINGS SHALL BE FS3.0, MINIMUM, UNLESS NOTED OTHERWISE ON PLANS.

A3 FOOTING SCHEDULE

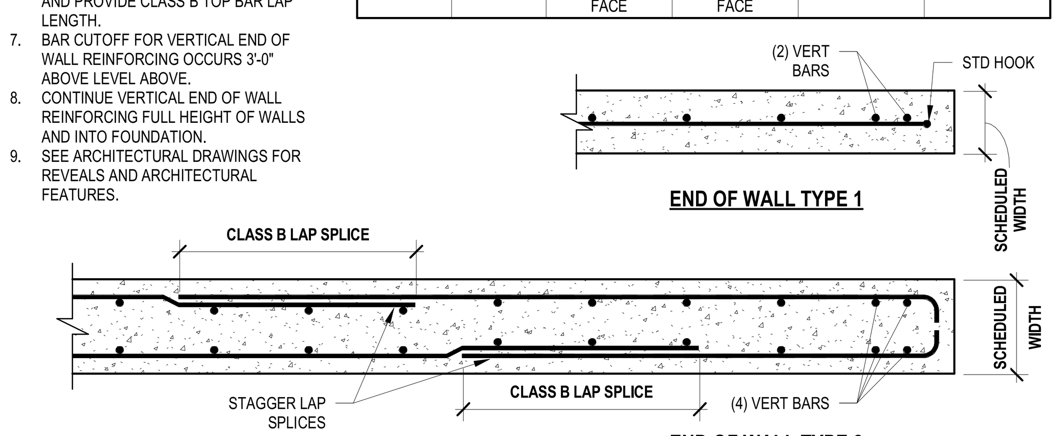
NO SCALE

3731_01

NOTES:
1. LOCATE VERTICAL REINFORCING EACH SIDE OF ALL OPENINGS, EACH SIDE OF CONTROL JOINTS AND AT ALL ENDS AND CORNERS IN ADDITION TO SCHEDULED SPACING. SEE PLAN WHERE SPECIAL COLUMNS OCCUR AT JAMBS. DOWEL VERTICAL REINFORCING TO FOOTING OR THICKENED SLAB WHERE OCCURS W/ STD HOOK.
2. PLACE HORIZONTAL REINFORCING AT ALL SUSPENDED LEVELS. SEE PLANS, SECTIONS AND SCHEDULES FOR SPECIAL HORIZONTAL REINFORCING AT ROOFS AND OVER OPENINGS. SEE A5/S501 FOR CORNER BAR DETAILS AND AT INTERSECTING WALLS.
3. WHERE NO MARK IS SHOWN ON PLANS, USE TYPE CW-1 FOR 8" CONC WALLS, AND TYPE CW-2 FOR 12" WALLS.
4. WHERE ONLY ONE (1) VERTICAL REINFORCING BAR IS SCHEDULED, THE BAR SHALL BE CENTERED IN THE WALL. WHERE TWO (2) BARS ARE SCHEDULED, LOCATE FACE OF REBAR AT 3A1/S601M EACH FACE. SEE SCHEDULE FOR BAR LAP REQUIREMENTS. MINIMUM COVER REQUIREMENTS ARE IN ADDITION TO ANY ARCHITECTURAL REVEALS OR FEATURES.
5. PROVIDE 90° HOOKS AT ALL HORIZONTAL REINFORCEMENT AND AT ALL WELD ENDS, CORNERS AND INTERSECTIONS. HOOKS SHALL ENGAGE VERTICAL REINFORCING.
6. STAGGER ALL SPLICES IN REINFORCING AND PROVIDE CLASS B TOP BAR LAP LENGTH.
7. BAR CUTOFF FOR VERTICAL END OF WALL REINFORCING OCCURS 3'-0" ABOVE LEVEL ABOVE.
8. CONTINUE VERTICAL END OF WALL REINFORCING FULL HEIGHT OF WALLS AND INTO FOUNDATION.
9. SEE ARCHITECTURAL DRAWINGS FOR REVEALS AND ARCHITECTURAL FEATURES.

SCHEDULE - CONCRETE WALLS

Mark	Thick	Reinforcing Horizontal	Reinforcing Vertical	End of Wall Reinf Type	Comments
CW-1	8"	#5 @ 15" OC	#5 @ 12" OC	1	
CW-2	12"	#5 @ 16" OC EA FACE	#5 @ 16" OC EA FACE	2	



A5 CONCRETE WALL SCHEDULE

NO SCALE

3732_01

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STRUCTURAL ENGINEER
HENNING T. UNGERMAN
#7801713
STATE OF UTAH
09/12/2024

CONSULTANT INFORMATION

CALDER RICHARDS CONSULTING ENGINEERS
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 23-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

STRUCTURAL DETAILS AND SCHEDULES

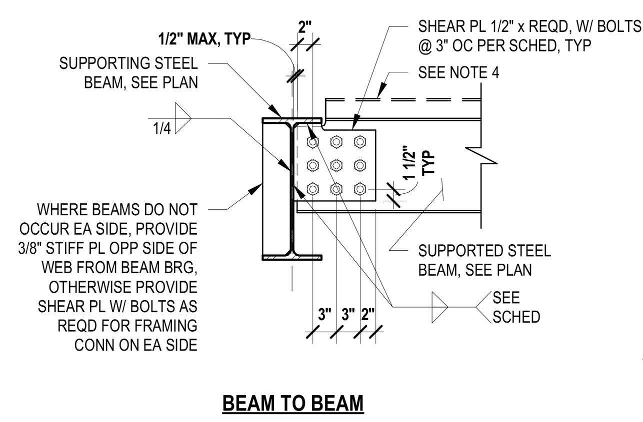
SHEET NUMBER

S601

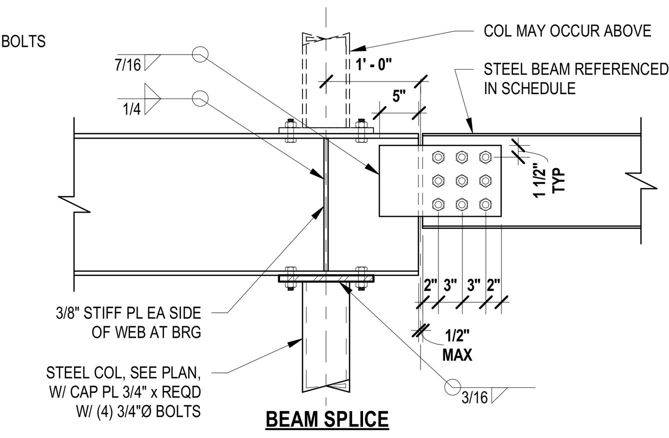
SCHEDULE - BOLTED COLLECTOR CONNECTIONS

Beam Size	Shear Bolts	Col x Row Bolt Layout	Weld Size
W16, W18	(12) 7/8"Ø	3x4	3/8"
W24	(15) 7/8"Ø	3x5	3/8"
W33	(18) 7/8"Ø	3x6	3/8"

NOTES:
1. SEE FRAMING PLANS FOR BEAM AND/OR COLUMN SIZES.
2. ALL BOLTS SHALL BE A325-N, TYP, UNO.
3. DECK AND JOISTS NOT SHOWN IN CONNECTION DETAILS BELOW.
4. BEAM MAY OCCUR HIGHER FOR DECK BEARING, COORD W/ PLAN.
5. COPE BEAM FLANGE AS REQD FOR CONNECTION.
6. ALL BOLTED CONNECTIONS SHALL USE STANDARD HOLES.
7. ALL SHEAR PLATES SHALL BE GRADE 50 STEEL (Fy = 50 KSI, Fu = ## KSI).
8. NOT ALL BEAM SIZES IN SCHEDULE ARE USED.



BEAM TO BEAM



BEAM SPLICE

E3 COLLECTOR CONNECTIONS

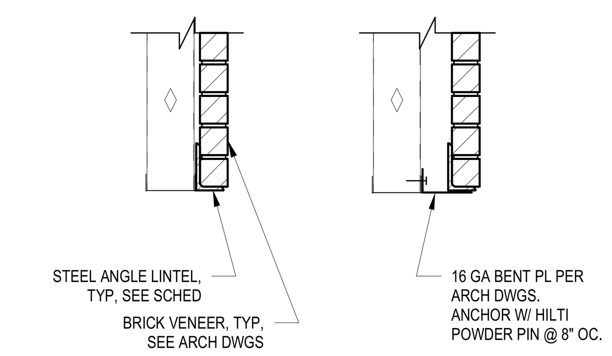
NO SCALE

4744_03A

SCHEDULE - BRICK VENEER LOOSE STEEL ANGLE LINTEL

Rough Opening (RO) Width	Steel Angle Lintel Size
RO WIDTH <= 4'-0"	L3 1/2x3 1/2x1/4
4'-0" < RO WIDTH <= 6'-0"	L4x4x1/4
6'-0" < RO WIDTH <= 8'-0"	L6x4x5/16 (LLV)
8'-0" < RO WIDTH <= 10'-0"	L6x4x3/8 (LLV)
10'-0" < RO WIDTH	CONTACT STRUCTURAL ENGINEER

NOTES:
1. PROVIDE 6" MINIMUM BEARING AT EACH END.



D5 STEEL ANGLE LINTEL SCHEDULE

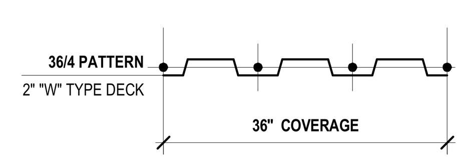
NO SCALE

4757_01 - VENEER LINTEL ANGLE SCHEDULE

STEEL DECK SCHEDULE

MARK	PROFILE	DEPTH	MIN I (in^4/ft)	MIN S (in^3/ft)	SUPPORTS		SIDE LAP		MIN ALLOWABLE DIAPHRAGM SHEAR CAPACITY (ASD)	NOTES
					PERPENDICULAR	PARALLEL	WELDED	MECHANICAL		
D1	20 GA "W2"	2"	0.422	0.323	3/4"Ø PW @ 36/4	3/4"Ø PW @ 12" OC	-	BUTTON PUNCH @ 36" OC	2400 PLF @ 7'-0" SPAN	
DL	20 GA "W2"	2"	0.422	0.323	3/4"Ø PW @ 36/4	3/4"Ø PW @ 12" OC	-	BUTTON PUNCH @ 36" OC	2400 PLF @ 7'-0" SPAN	TYP STAIR LANDING DECK, SEE DETAIL D4/S511

NOTES:
1. SUPPORTS SHALL BE ANY STRUCTURAL STEEL ELEMENT IN CONTACT WITH STEEL DECK.
2. PW = PUDDLE WELD - 1/2" EFFECTIVE DIAMETER MINIMUM ARC SPOT WELD AT INTERIOR FLUTES, 1" x 3/8" EFFECTIVE ARC SEAM WELD AT SUPPORTS ADJACENT TO SIDELAP.
3. TSW = TOP SEAM WELD - 1 1/2" LONG TOP SEAM WELDS BETWEEN ADJACENT PIECES OF DECKING. CRIMP SIDE SEAMS BEFORE WELDING INTERLOCKING SEAMS.
4. BP = BUTTON PUNCH - 3/16" BUTTON PUNCH BETWEEN ADJACENT PIECES OF DECK. CRIMP SEAMS BEFORE BUTTON PUNCHING INTERLOCKING SEAMS.
5. PAF = POWDER ACTUATED FASTENER:
   - HILTI X-HSN 24 AT SUPPORTS 3/16" THROUGH 3/8" THICK
   - HILTI X-ENP-19 L15 AT SUPPORTS 1/4" THICK AND GREATER
   - PNEUTEK SDK61075 AT SUPPORTS 0.113" THROUGH 0.155" THICK
   - PNEUTEK SDK63075 AT SUPPORTS 0.155" THROUGH 0.250" THICK
   - PNEUTEK K64062 AT SUPPORTS 0.187" THROUGH 0.312" THICK
   - PNEUTEK K66062 OR K66075 AT SUPPORTS 0.281" THICK AND GREATER
6. SDS = SELF-DRILLING SCREW. WHERE SIDELAPS HAVE SCREWED CONNECTION, THE DECK PROVIDED SHALL HAVE A SCREWABLE SIDE SEAM, UNO.
7. PSC = PROPRIETARY SIDELAP CONNECTION - VERCO SIDELAP CONNECTION 2 FOR VERCO PUNCHLOK II SYSTEM, ASC DELTA GRIP FOR ASC DECKS.
8. SPACING AT SUPPORTS IS NOTED AS (DECK PANEL WIDTH)(ATTACHMENTS PER PANEL). FOR EXAMPLE: PW @ 36/4 INDICATES A 36" WIDE DECK SHEET WITH 4 PUDDLE WELDS AT EACH SUPPORT.
9. HEADED STUD ANCHORS WELDED THROUGH DECK WITH 1" MINIMUM COVER FROM EDGE OF DECK TO STUD CENTERLINE MAY BE SUBSTITUTED ONE FOR ONE FOR PW.
10. SEE PLANS FOR ADDITIONAL FASTENERS REQUIRED AT MEMBERS DENOTED AS SFRS. OMIT ATTACHMENTS WHERE DENOTED AS PROTECTED ZONES IN SFRS.
11. ALL WELDED SURFACES SHALL BE DRY BEFORE WELDING DECK OR STUDS TO SUPPORTS.
12. ALIGN AND SECURE DECK IN POSITION BEFORE WELDING OR INSTALLING FASTENERS OR STUDS.
13. ALTERNATE MEANS OF DECK ATTACHMENT ARE PERMITTED WITH APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED ATTACHMENT SYSTEM AND THE CODE EVALUATION REPORT DEMONSTRATING THE SYSTEM HAS THE STRENGTH TO MEET THE SPECIFIED DECK SHEAR. IF THE ALTERNATE METHOD IS APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DECK TYPE AND PROFILE IS COMPATIBLE WITH THE FASTENING SYSTEM.
14. STEEL DECK SHALL COMPLY WITH LATEST REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI).
15. SUBMIT CURRENT CODE EVALUATION REPORT (ICC OR IAPMO) WITH LOAD AND LATERAL SHEAR CAPACITIES WITH SHOP DRAWINGS.
16. ALL DECK SHALL BE 3-SPAN CONTINUOUS MINIMUM WHERE POSSIBLE. IN AREAS WHERE 3-SPAN CONDITIONS ARE NOT POSSIBLE THE CONTRACTOR SHALL VERIFY UN-SHORED DECK IS PERMITTED BY THE DECK MANUFACTURER FOR THE SPAN CONDITION, SPAN LENGTH, AND DECK GAUGE. WHERE DECK DOES NOT MEET THE REQUIREMENTS FOR UN-SHORED DECK, THE CONTRACTOR SHALL EITHER PROVIDE HEAVIER GAUGE DECK TO ALLOW FOR UN-SHORED DECK OR PROVIDE SHORING.
17. STEEL DECK WITHOUT CONCRETE FILL SHALL NOT BE USED TO SUPPORT LOADS FROM PLUMBING, HVAC DUCTS, LIGHT FIXTURES, ARCHITECTURAL ELEMENTS OR EQUIPMENT OF ANY KIND, UNLESS SPECIFICALLY NOTED OTHERWISE. LIGHTWEIGHT SUSPENDED ACOUSTICAL CEILINGS WITH A TOTAL WEIGHT PER WIRE NOT EXCEEDING 50# MAY BE HUNG FROM THE STEEL ROOF DECK. THE HANGERS SHOULD BE STAGGERED TO DISTRIBUTE THE LOAD OVER MULTIPLE DECK FLUTES.
18. DECK SHALL HAVE 2" MINIMUM BEARING ON ALL SUPPORTING MEMBERS (MEMBERS PERPENDICULAR TO DECK), UNO. DECKS SHALL HAVE 1 1/2" MINIMUM BEARING AT PARALLEL MEMBERS.
19. SEE TYPICAL DETAILS FOR SUPPORT STEEL REQUIRED AT OPENINGS THROUGH STEEL DECK. OPENING SUPPORT STEEL SHALL BE INSTALLED PRIOR TO SAW CUTTING OPENINGS.
20. ROOF DECKS TO BE GALVANIZED. FLOOR DECKS TO BE PHOSPHATIZED / PAINTED, EXCEPT ABOVE AND BELOW RESTROOMS, LOCKER ROOMS, AND MECHANICAL ROOMS, PROVIDE GALVANIZED DECK.



3/4"Ø PUDDLE WELD LAYOUT

B2 STEEL DECK SCHEDULE

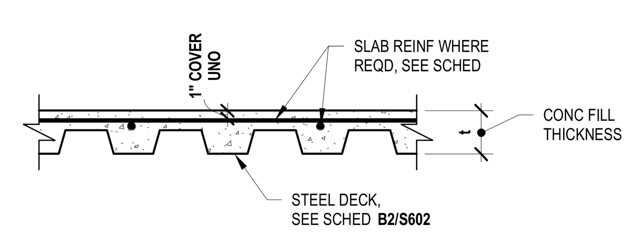
NO SCALE

4677_03

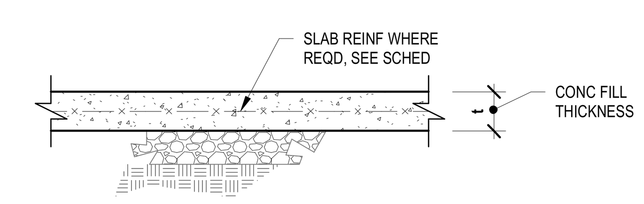
CONCRETE SLAB SCHEDULE

MARK	THICKNESS (t)	TYPE	REINFORCEMENT	FIRE RATING	NOTES
S1	5"	NORMAL WEIGHT	6x6 - W2.9xW2.9 WWF	1 HR	
SG1	4"	NORMAL WEIGHT	6x6 - W1.4xW1.4 WWF	-	
SG2	12"	NORMAL WEIGHT	#5 @ 12" OC EACH WAY, TOP & BOT	-	ELEVATOR PIT SLAB
SL	4"	LIGHTWEIGHT	6x6 - W1.4xW1.4 WWF	-	TYP STAIR LANDING SLAB, SEE DETAIL D4/S511

NOTES:
1. FIBER REINFORCEMENT, WHEN REQUIRED IN SCHEDULE, SHALL BE MACROSYNTHETIC FIBER REINFORCEMENT PER THE CONCRETE MATERIALS SECTION OF THE GENERAL STRUCTURAL NOTES.
2. DO NOT EMBED CONDUITS OR PIPES IN CONCRETE FILL OVER STEEL DECKS WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
3. SEE PLANS AND DETAILS FOR LOCATIONS WHERE ADDITIONAL SLAB REINFORCEMENT IS REQUIRED.



CONCRETE SLAB OVER STEEL DECK PROFILE



CONVENTIONAL CONCRETE SLAB PROFILE

B4 CONCRETE SLAB SCHEDULE

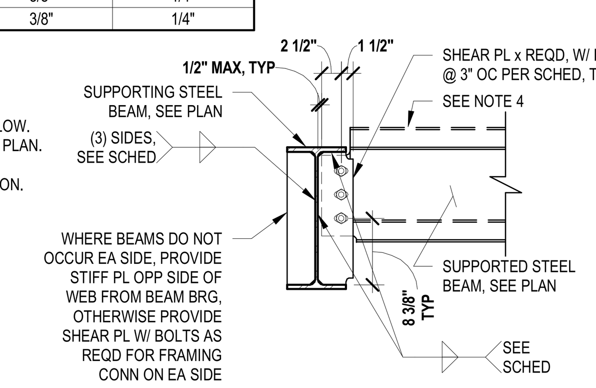
NO SCALE

3677_06

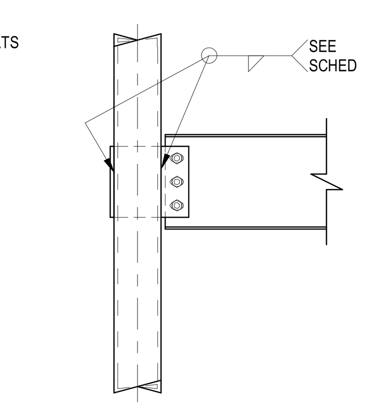
SCHEDULE - BOLTED CONNECTION

Beam Size	Shear Bolts	Shear Plate	Web Stiffener	Weld Size
W12	(3) 3/4"Ø	3/8"	3/8"	1/4"
W16	(4) 3/4"Ø	3/8"	3/8"	1/4"
W18	(5) 3/4"Ø	3/8"	3/8"	1/4"
W24	(6) 3/4"Ø	3/8"	3/8"	1/4"
W33	(9) 3/4"Ø	3/8"	3/8"	1/4"

NOTES:
1. SEE FRAMING PLANS FOR BEAM AND/OR COLUMN SIZES.
2. ALL BOLTS SHALL BE A325-N, TYP, UNO.
3. DECK AND JOIST NOT SHOWN IN CONNECTION DETAILS BELOW.
4. BEAM MAY OCCUR HIGHER FOR DECK BEARING, COORD W/ PLAN.
5. COPE BEAM FLANGE AS REQD FOR CONNECTION.
6. PROVIDE HORIZ SSHs IN SHEAR PL FOR BOLTED CONNECTION.
7. DIMENSIONS SHOWN ON BEAM TO BEAM ARE TO BE CONSIDERED TYPICAL FOR ALL CONDITIONS SHOWN.



BEAM TO BEAM



BEAM TO HSS COL

A3 TYPICAL BOLTED CONNECTIONS

NO SCALE

4744_03

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STRUCTURAL ENGINEER
9-12-2024
HENNING T. UNGERMAN
#7801713
STATE OF UTAH

09/12/2024

CONSULTANT INFORMATION
CALDER RICHARDS
CONSULTING ENGINEERS
1805 SOUTH REDWOOD RD, SUITE 102, SALT LAKE CITY, UT 84104
T: 801.466.1699 F: 801.467.2495
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

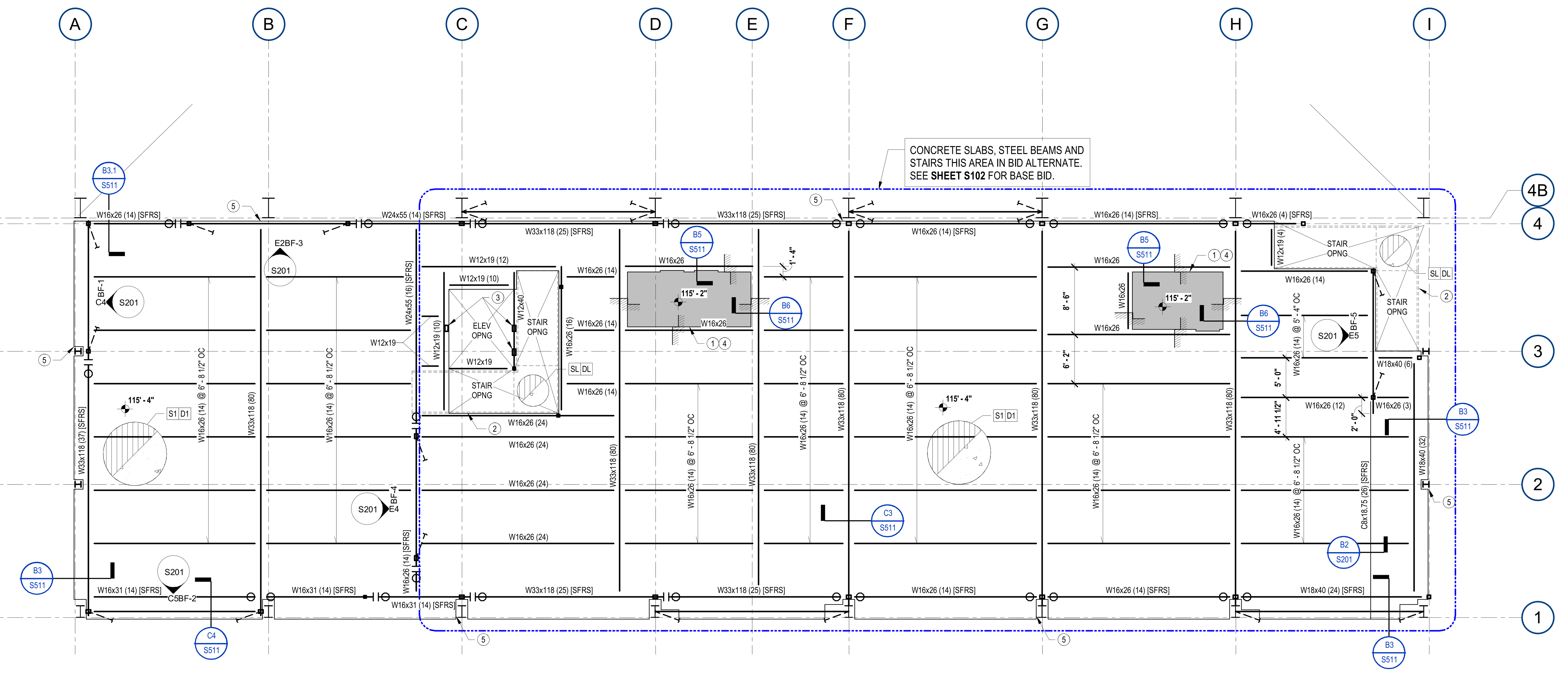
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

STRUCTURAL DETAILS AND SCHEDULES

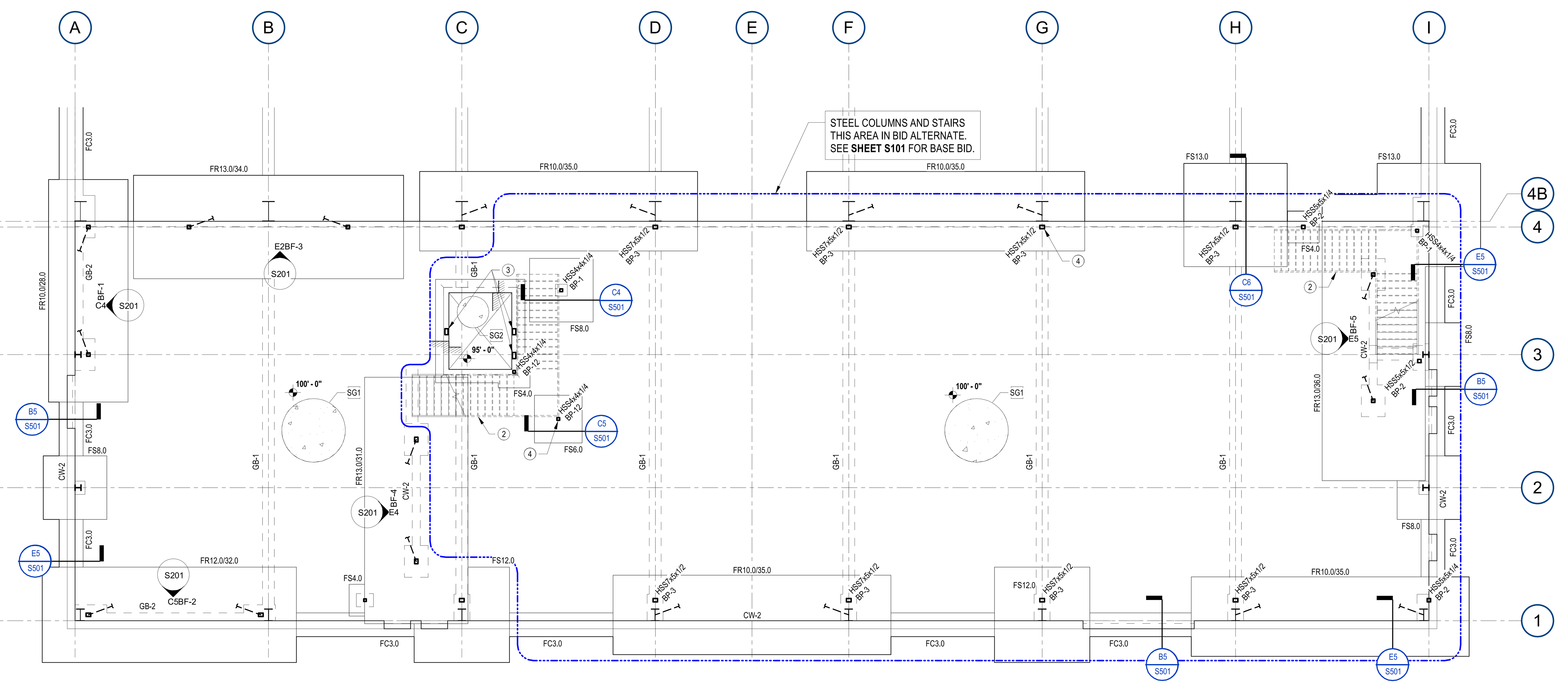
SHEET NUMBER

S602



Level 2 Framing Plan - Bid Alternate

1/8" = 1'-0"



Footing & Foundation Plan - Bid Alternate

1/8" = 1'-0"

PLAN NOTES - FLOOR FRAMING

- \# NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- D# DENOTES DECK TYPES KEYED ON PLAN, SEE SCHEDULE B2/602.
- S# DENOTES SLAB TYPES KEYED ON PLAN, SEE SCHEDULE B4/S602.
- * SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- ** NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B TOP OF CONCRETE SLAB ELEVATION = 115'-4", UNLESS NOTED THUS: xxx'-x"
- C SEE DETAIL A3/S602 FOR TYPICAL BEAM TO BEAM CONNECTIONS.
- D COORDINATE OPENINGS THROUGH FLOOR DECK WITH MECHANICAL DRAWINGS. FLOOR PENERATIONS SHALL HAVE ANGLE FRAMING PER DETAIL A2/S511.
- E ALL CONTINUOUS DECK ANGLES TO BE SPLICED PER DETAIL B4/S511.
- F SEE ARCHITECTURAL DRAWINGS FOR TOP OF CMU WALL ELEVATIONS.
- G SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- H SEE STEEL ANGLE LINTEL SCHEDULE D5/S602 FOR BRICK VENEER SUPPORT OVER OPENINGS, TYP, UNO.
- J (#) FOLLOWING STEEL BEAM CALLOUT DENOTES HEADED STUD ANCHOR QUANTITY FOR COMPOSITE BEAM, SEE DETAIL A3/S511 FOR SIZE AND SPACING REQUIREMENTS.
- K SEE SHEET S901 FOR BID ALTERNATE INFORMATION.
- 1 STEP IN SLAB, SEE DETAILS B5/S511 & B6/S511. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF STEPS.
- 2 SEE ARCHITECTURAL DRAWINGS FOR DETAILED ELEVATIONS AND CONFIGURATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK, TYPICAL. SEE DETAIL D4/S511 FOR TYPICAL FRAMING SIZES & REQUIREMENTS.
- 3 ELEVATOR RAIL SUPPORT COLUMNS (ABOVE & BELOW) SHOWN FOR BID PURPOSES ONLY, COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL D3/S511 & D2/S511 FOR TYPICAL FRAMING REQUIREMENTS.
- 4 PROVIDE SHORING BELOW SINGLE SPAN DECKING PRIOR TO POURING CONCRETE.
- 5 PROVIDE 3" EXPANSION GAP BETWEEN PEMB AND MEZZANINE STRUCTURE, TYPICAL.

FLOOR FRMG PLAN LEGEND

Symbol	Description	Symbol	Description
xxx'-xx"	TOP OF CONCRETE SLAB ELEVATION		MASONRY WALL
	CHANGE IN ELEVATION		STEEL STUD WALL
S# D#	CONCRETE SLAB ON STEEL DECK W/ SPAN DIRECTION INDICATED, SEE SCHEDULES **B4/S602** & **B2/S602** RESPECTIVELY		BEAM SPLICE, SEE DETAIL **A5/S511**
			COLLECTOR BEAM CONNECTION, SEE SCHEDULE **E3/S602**
	STEEL COLUMNS: WIDE FLANGE, TUBE, PIPE		COLLECTOR BEAM SPLICE, SEE SCHEDULE **E3/S602**
	DEPRESSED SLAB AREAS, COORD W/ ARCHITECTURAL DRAWINGS	[SFRS]	SEISMIC FORCE RESISTING SYSTEM
		xx K	ADDITIONAL POINT LOAD

PLAN NOTES - FOOTING & FDTN

- \# NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- R# DENOTES REINFORCING KEYED ON PLAN.
- SG# DENOTES SLAB TYPES KEYED ON PLAN, SEE SCHEDULE B4/S602.
- * SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- ** NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B TOP OF CONCRETE SLAB ELEVATION = 100'-0", UNLESS NOTED THUS: xxx'-x" SLOPE UNIFORMLY TO FLOOR DRAINS.
- C PLACE CONTROL JOINTS AND CONSTRUCTION JOINTS IN SLAB PER STRUCTURAL NOTES. SEE DETAIL A6/S501.
- D CENTER FOOTINGS ON WALLS AND COLUMNS UNLESS DIMENSIONED OTHERWISE ON PLANS.
- E SEE STRUCTURAL NOTES ON SHEET S001 FOR MINIMUM FROST COVER FOR ALL EXTERIOR FOOTINGS.
- F FOOTING ELEVATIONS SHOWN ARE BASED ON A UNIFORM GRADE 6" BELOW SLAB PLUS 2'-6" FROST COVER. COORDINATE ELEVATIONS SHOWN WITH CIVIL AND SITE PLANS FOR ANY ADDITIONAL DEPTH THAT MAY BE REQUIRED TO MAINTAIN MINIMUM FROST COVER OVER FOOTINGS.
- G SEE PLAN AND SECTIONS FOR TOP OF FOUNDATION WALL ELEVATIONS.
- H SEE DETAIL A5/S501 AN A3/S501 FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCEMENT AT CORNERS AND INTERSECTIONS.
- J DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING FLOOR IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.
- K SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- L SEE ARCHITECTURAL / SITE DRAWINGS FOR INFORMATION AND LOCATION OF SITE WALLS, STEPS, PLANTERS, RAMPS, ETC.
- M COORDINATE FOOTING W/ MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL PENETRATIONS NEAR FOOTINGS. SEE A1/S501 FOR ADDITIONAL INFORMATION.
- N PROVIDE HOUSEKEEPING PADS FOR MECHANICAL/ELECTRICAL UNITS AS REQUIRED BY THE MECHANICAL/ELECTRICAL DRAWINGS. PADS TO BE POURED MONOLITHICALLY WITH THE SLAB ON GRADE OR ANCHORED WITH REBAR PER DETAIL C2/S501.
- P SEE SHEET S901 FOR BID ALTERNATE INFORMATION.
- 1 CONTRACTOR TO PROTECT AND COVER ELEVATOR PIT AND BRACED FRAME ANCHORAGE BETWEEN BASE BID AND BID ALT PHASES OF CONSTRUCTION.
- 2 SEE ARCHITECTURAL DRAWINGS FOR DETAILED ELEVATIONS AND CONFIGURATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK, TYPICAL. SEE DETAIL D4/S511 FOR TYPICAL FRAMING SIZES & REQUIREMENTS.
- 3 ELEVATOR RAIL SUPPORT COLUMNS SHOWN FOR BID PURPOSES ONLY, COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL C1/S501 FOR TYPICAL FRAMING REQUIREMENTS.
- 4 CONTRACTOR OPTION TO POST-INSTALL GRAVITY COLUMNS. SUBMIT RFI FOR POST-INSTALLATION OPTIONS. MAY ONLY UTILIZE FOR MEZZANINE COLUMNS NOT CONNECTED TO BRACED FRAMES.
- 5 DO NOT ROUTE MECHANICAL / ELECTRICAL DISTRIBUTION LINES BELOW OR THROUGH FOUNDATION WALLS WITH GRADE BEAMS.

FTG/FDTN PLAN LEGEND

Symbol	Description	Symbol	Description
FCx.x, FSx.x, FRx.x	CONTINUOUS FOOTING, SPOT FOOTING, RECTANGULAR FOOTING TYPES RESPECTIVELY, SEE SCHEDULE **A3/S601**	FCx.x	CONCRETE FOOTING, SEE SCHEDULE **A3/S601**
		CW-#	CONCRETE FDTN WALL TYPE, SEE SCHEDULE **A5/S601**
	CHANGE IN ELEVATION		RECESS IN CONCRETE FDTN WALL
xxx'-xx"	TOP OF CONCRETE SLAB ELEVATION	CP-#	CONCRETE PIER IN WALL, SEE SCHEDULE **B4/S601**
TW xxx'-xx"	TOP OF WALL ELEVATION		SITE WALL, COORD W/ ARCH / CIVIL DWGS
TP xxx'-xx"	TOP OF PIER ELEVATION		
TF xx'-xx"	TOP OF FTG ELEVATION		STEEL STUD WALL
SG#	CONCRETE SLAB ON GRADE, SEE SCHEDULE **B4/S602**	BP-#	STEEL COLUMNS: WIDE FLANGE, HSS, BASE PLATE TYPE, SEE SCHEDULE **B1/S601**

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL STRUCTURAL ENGINEER 9-12-2024 HENNING T. UNGERMAN #7801713 STATE OF UTAH

09/12/2024

CONSULTANT INFORMATION

CALDER RICHARDS
CONSULTING ENGINEERS
1805 SOUTH REDWOOD RD, SUITE 102, SALT LAKE CITY, UT 84104
T: 801.466.1699 F: 801.467.2495
www.calderrichards.com

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

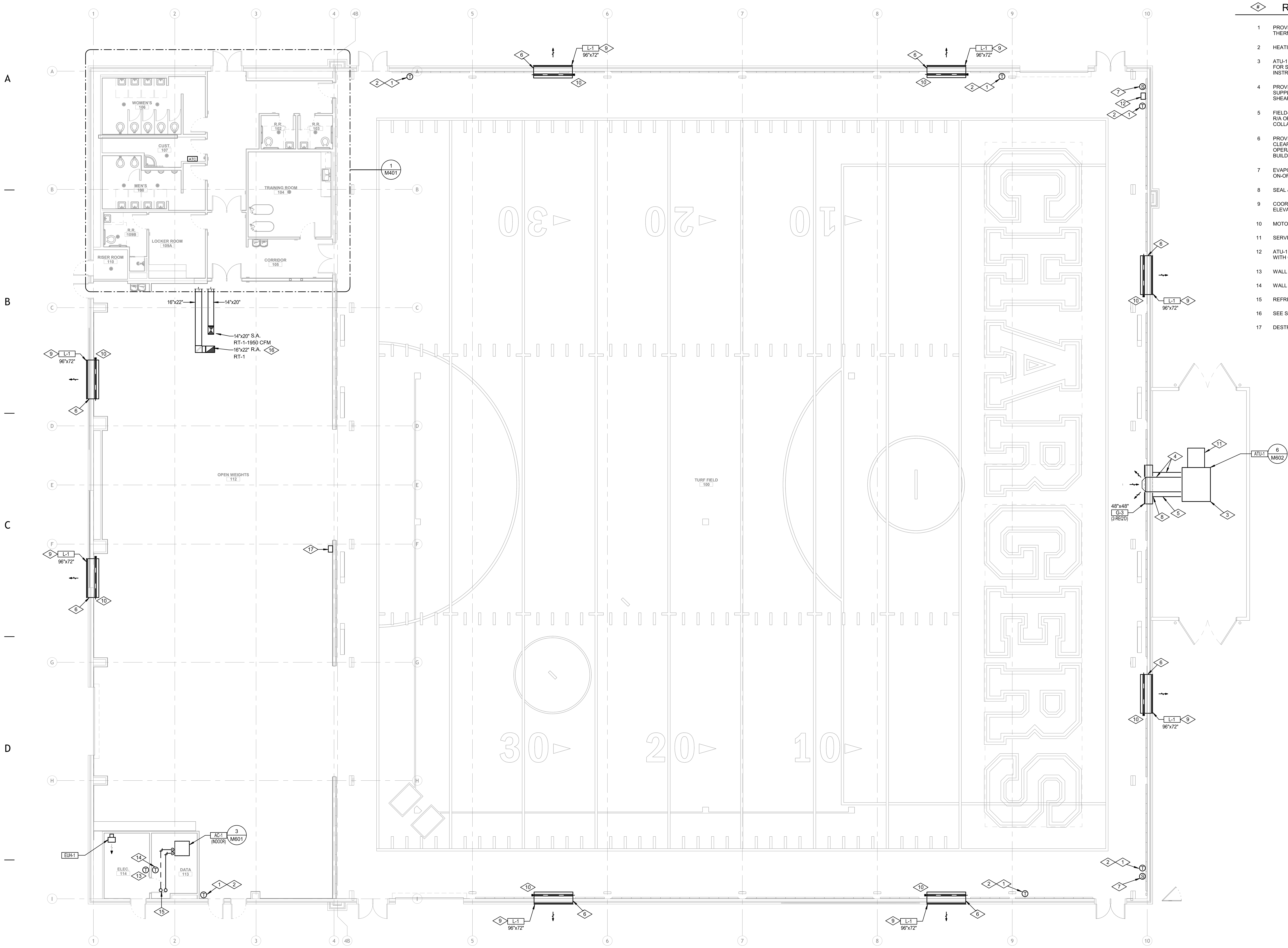
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

BID ALT #1 - FOOTING & FOUNDATION & LEVEL 2 FRAMING PLANS

SHEET NUMBER

S901



LEVEL 1 OVERALL MECHANICAL PLAN

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

REFERENCE NOTES

1 PROVIDE LOCKING, VENTED, HEAVY DUTY COVER FOR THERMOSTAT

2 HEATING ONLY THERMOSTAT FOR GAS FIRED HEATER.

3 ATU-1 AIR TURNOVER UNIT. PROVIDE 4" CONCRETE CURB FOR STAND AND UNIT; SEE DETAIL 6/M602 SHEET FOR INSTRUCTION.

4 PROVIDE SHEET METAL "SNOWBREAK" OVER BOTH SUPPLY AND RETURN AIR DUCTS TO SHIELD FROM SNOW SHEAR; SEE DETAIL 6/M602.

5 FIELD-BUILT RETURN AIR DUCT; MATCH SIZE WITH UNIT R/A OPENING. PROVIDE TRANSITION TO COLLAR-THROUGH-WALL AS REQUIRED.

6 PROVIDE SHEET METAL COLLAR LONG ENOUGH TO CLEAR BUILDING INNER WALL TO INSTALL MOTOR OPERATED DAMPER. COORDINATE WITH METAL BUILDING VENDOR.

7 EVAPORATIVE COOLER CONTROL & 7 POSITION SWITCH. ON-OFF, VENT-COOL-PUMP, HIGH-LOW.

8 SEAL & FLASH PENETRATIONS WATERTIGHT. (TYPICAL)

9 COORDINATE HEIGHT WITH ARCHITECTURAL ELEVATIONS.

10 MOTORIZED CONTROL DAMPER INTERLOCK WITH EC-1.

11 SERVICE PLATFORM & LADDER.

12 ATU-1 CONTROL PANEL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.

13 WALL MOUNTED HEATING THERMOSTAT.

14 WALL MOUNTED HARD WIRED COOLING THERMOSTAT.

15 REFRIGERANT LINES UP TO ABOVE. SEE M102.

16 SEE SHEET M102. COORDINATE WITH STRUCTURE.

17 DESTRATIFICATION FAN CONTROL BOX.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL LICENSED ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

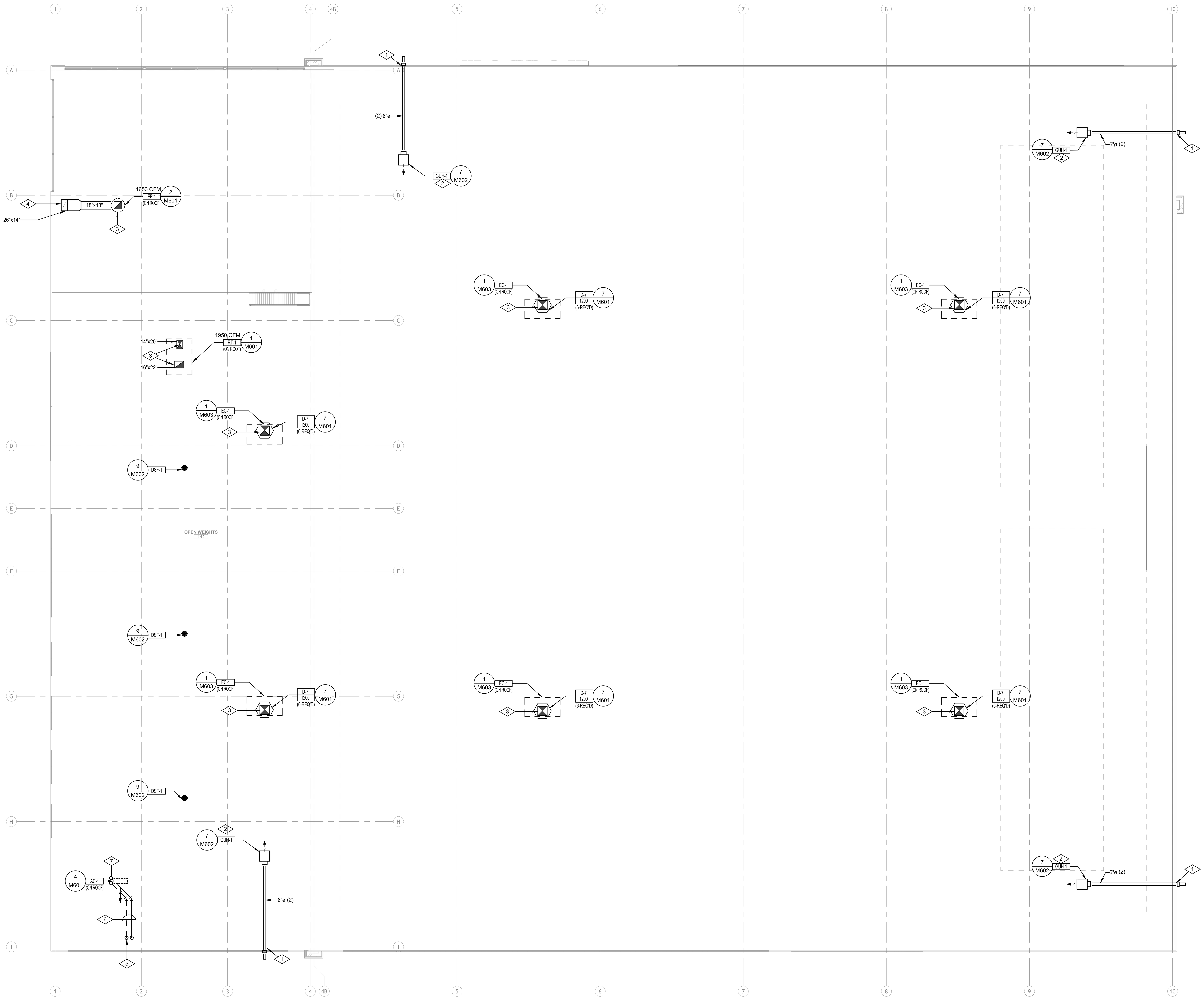
SHEET TITLE

Level 1 Mechanical Plan

SHEET NUMBER

M101

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:30:23 AM



LEVEL 2 OVERALL MECHANICAL PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. COMBUSTION AIR AND EXHAUST FLUES TO CONCENTRIC SIDEWALL KIT, INSTALL AS PER MANUFACTURERS INSTRUCTIONS.
2. GUH-1 MOUNTED AS PER MANUFACTURER'S INSTRUCTIONS. FIELD COORDINATE EXACT MOUNTING HEIGHT WITH G.C.
3. DUCT THRU ROOF. COORDINATE WITH STRUCTURE.
4. DUCT UP FROM BELOW. SEE M101.
5. REFRIGERANT LINES UP FROM BELOW. SEE M101.
6. RUN TIGHT BELOW ROOF DECK.
7. REFRIGERANT LINES UP THRU ROOF TO AC-1 OUTDOOR UNIT.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES
AUSTIN
BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

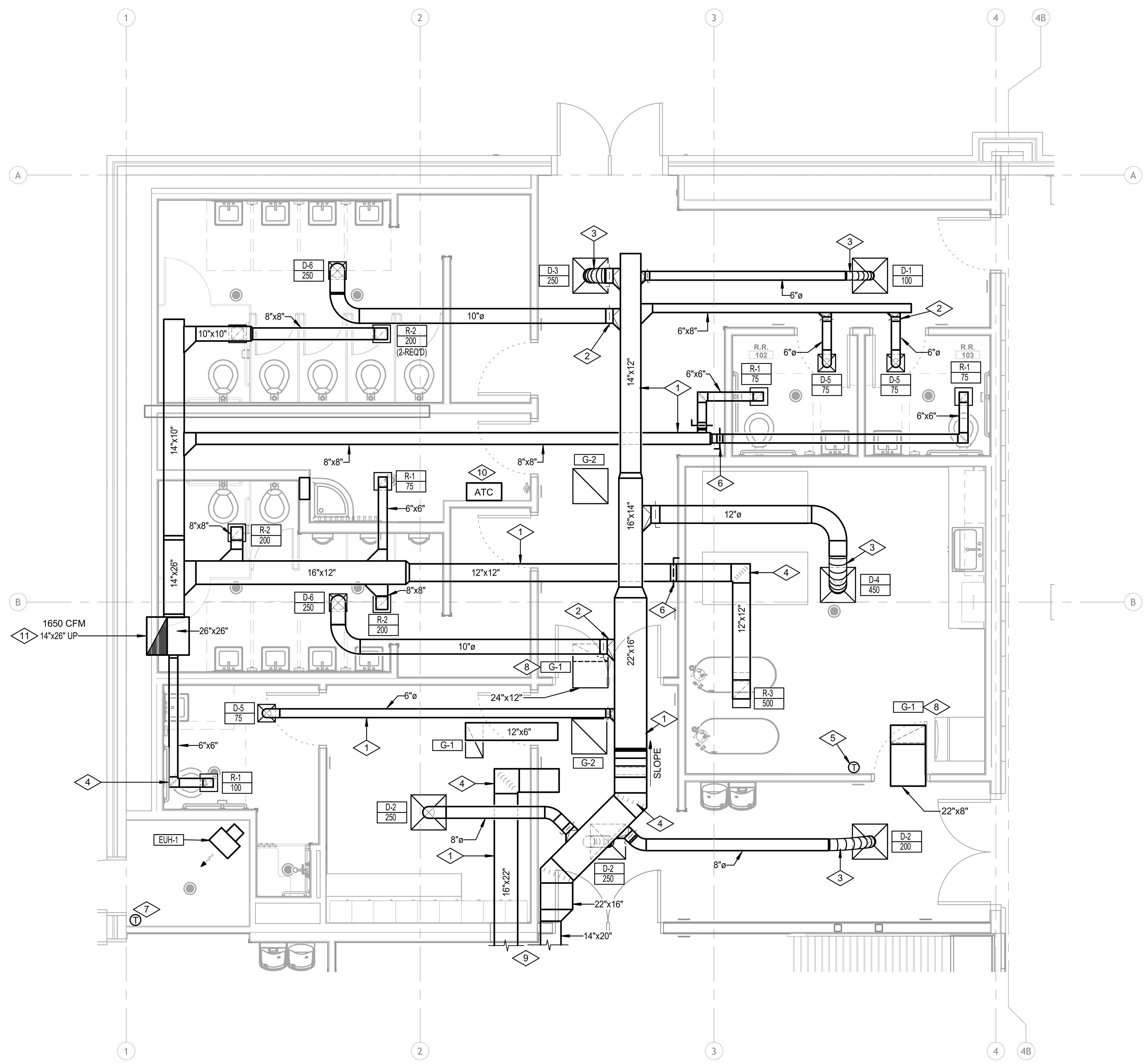
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 2 Mechanical Plan

SHEET NUMBER

M102



1 LEVEL 1 ENLARGED MECHANICAL PLAN

0 2'-0" 4'-0" 8'-0"

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

REFERENCE NOTES

1 DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.

2 H.E.T. FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)

3 FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0"

4 TURNING VANES. (TYPICAL)

5 WALL MOUNTED HEATING & COOLING THERMOSTAT (TYPICAL) MOUNT AT 48" AFF.

6 MANUAL BALANCING DAMPER. (TYPICAL)

7 WALL MOUNTED HEATING THERMOSTAT.

8 SOUND BOOT AT GRILLE. (TYPICAL) SEE DETAIL 5/M601.

9 SEE SHEET M101 FOR CONTINUATION.

10 ATC PANEL. 120/1/60 POWER REQUIRED.

11 DUCT UP TO ABOVE. SEE M102.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER LICENSED #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Enlarged Mechanical Plan

SHEET NUMBER

M401

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:30:27 AM

ROOFTOP UNIT SCHEDULE

	SYMBOL	ROOM	CFM	ESP	FAN MOTOR B.H.P.	MIN O.A.	HEATING CAPACITY (5) TYPE	MBH 1ST STAGE	MBH 2ND STAGE	STAGES	COOLING CAPACITY (2)(5) EAT	OAT	TOTAL MBH	SENSIBLE MBH	STAGES	IEER	POWER	MCA 460/3/60	MOCP 460/3/60	UNIT DIMENSIONS	WEIGHT LBS.	MODEL & MANUFACTURER (1)(3)(4)
(BASE BID)	RT-1	TRAINING ROOMS	1950	.65	1.0	150	NATURAL GAS	40	53.6	2	78.6	98	44.26	31.69	1	16.0	480/3/60	12.0	15	74.4 L x 46.6 W x 33.4 H	700	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	RT-2	VIP & KITCHENETTE	2400	.80	1.51	250	NATURAL GAS	88	-	1	80.0	98	68.00	47.00	-	15.0	460/3/60	16.0	20	74.4 L x 46.6 W x 41.4 H	1000	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	RT-3	LEGACY RM.	1200	.80	0.67	150	NATURAL GAS	88	-	1	80.0	98	44.00	47.00	-	14.0	460/3/60	13.0	15	74.4 L x 46.6 W x 33.4 H	900	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	RT-4	CONFERENCE ROOM	800	.80	0.67	150	NATURAL GAS	88	-	1	80.0	98	30.00	17.00	-	14.0	460/3/60	11.0	15	74.4 L x 46.6 W x 33.4 H	715	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	RT-5	WEIGHT ROOM	3000	.80	1.48	450	NATURAL GAS	144	-	1	78.6	98	85.00	55.00	-	11.2	460/3/60	21.0	25	88.1 L x 59.5 W x 41.3 H	1205	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	RT-6	WEIGHT ROOM	3000	.80	1.48	450	NATURAL GAS	144	-	1	78.6	98	85.00	55.00	-	11.2	460/3/60	21.0	25	88.1 L x 59.5 W x 41.3 H	1205	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	RT-7	OFFICES	1200	.80	0.67	150	NATURAL GAS	88	-	1	80.0	98	44.00	47.00	-	14.0	460/3/60	13.0	15	74.4 L x 46.6 W x 33.4 H	900	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL

NOTES:

(1) ROOFTOP UNIT TO BE COMPLETE WITH HINGED ACCESS DOORS, FACTORY POWER EXHAUST, 100% OUTDOOR AIR ECONOMIZER PACKAGE WITH BUILT-IN 100% RELIEF AIR, 12" HIGH FACTORY ROOF CURB, WEATHERPROOF GFI CONVENIENCE OUTLET AND ALL CONTROLS FOR AUTOMATIC OPERATION. UNIT SHALL BE U.L. LISTED, ARI CERTIFIED AND AGA APPROVED.
(2) COOLING CAPACITY BASED ON 45 DEG. F. S.S.T., 80 DEG. F. db TEMP, 67 DEG. F. wb TEMP. AND 95 DEG. F.O.A. TEMP.
(3) UNITS SHALL BE COMPLETE WITH 2" MERV 8 FILTERS.
(4) UNITS SHALL USE R-410A REFRIGERANT.
(5) CAPACITIES BASED ON 4200 FT. ELEVATION.

EVAPORATIVE COOLER SCHEDULE

SYMBOL	CFM	E.S.P. IN.	H.P.	NOMINAL SIZE L x W x H	WEIGHT	MAKE & MODEL	VOLTAGE
EC-1	7225	0.20	1 1/2	82" L x 45" W x 44" H	800 lbs.	MASTERCOOL AD 1000B	480V/3/60 (1)

NOTES:
1. EVAPORATIVE COOLERS SHALL HAVE WEATHER PROOF ENCLOSURE, 8" CELL-DEK TYPE EVAPORATIVE MEDIA, PUMP(S), FLOAT, SWITCH AND GFI RECEPTACLE.
2. THESE COOLERS REQUIRE 2 CIRCUITS EACH. 480V-3 PHASE, FOR COOLER ON ONE CIRCUIT, 0.75 AMPS AT 120V 1 PHASE FOR THE PUMP CIRCUIT. (THIS AMPERAGE IS FOR 2 PUMPS PER COOLER.)

ELECTRIC UNIT HEATER SCHEDULE

SYMBOL	TYPE	CFM	BTUH	AMPS	VOLTAGE	MAKE & MODEL (1)
EUH-1	HORIZONTAL	400	11,200	15.9	208/1/60	MARKEL 5100 - F1F5103N

NOTES:
(1) PROVIDE MOUNTING BRACKET, DISCONNECT, SUMMER FAN SWITCH AND THERMOSTAT.

DIFFUSER SCHEDULE

SYMBOL	TYPE	NECK SIZE	LOCATION	AIR PATTERN	FACE SIZE	MAKE & MODEL
D-1 CFM	SUPPLY	6" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
D-2 CFM	SUPPLY	8" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
D-3 CFM	SUPPLY	10" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
D-4 CFM	SUPPLY	6" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
D-5 CFM	SUPPLY	10" DIA.	GYP. BD. CEILING	4-WAY	12" x 12"	TITUS OMNI (1)(2)
D-6 CFM	SUPPLY	12" DIA.	LAY-IN CEILING	4-WAY	12" x 12"	TITUS OMNI (1)(2)
D-7 CFM	SUPPLY	20"x12"	SEE 7/M601	2-WAY	--	TITUS DL (3)

NOTES:

(1) DIFFUSER SUPPLIER SHALL COORDINATE W/ REFLECTED CEILING PLANS TO DETERMINE TYPE OF FRAMES.
(2) COLOR & FINISH TO MATCH CEILING GRID. COORDINATE WITH ARCHITECT.
(3) PROVIDE MANUAL DAMPERS

EXHAUST FAN SCHEDULE

	SYMBOL	TYPE	AREA SERVED	CFM	S.P.	RPM	MOTOR	DRIVE	WEIGHT LBS.	MAKE & MODEL (1)
(BASE BID)	EF-1	ROOF	RR 106/108	1650	1.0"	1171	1-1/2 HP 120/1/60	BELT	224	TWIN CITY BCRD 180D
(ALT. #1)	EF-2	CEILING	KITCHEN 203	400	1.0"	1350	3/4 HP 120/1/60	DIRECT	192	TWIN CITY BCRD 160D
(ALT. #1)	EF-3	CEILING	RR 204	75	0.75"	1194	1/3 HP 120/1/60	DIRECT	178	TWIN CITY BCRD 140D
(ALT. #1)	EF-4	CEILING	RR 205	75	0.75"	1559	1/3 HP 120/1/60	DIRECT	85	TWIN CITY DCRD 120B
(ALT. #1)	EF-5	CEILING	RR 207G	100	0.75"	1559	1/3 HP 120/1/60	DIRECT	85	TWIN CITY DCRD 120B

NOTES:
(1) EXHAUST FANS TO BE ROOF-MOUNTED CENTRIFUGAL TYPE, COMPLETE WITH SPUN ALUMINUM HOOD, BIRDSCREEN, DISCONNECT SWITCH UNDER HOOD, PREFAB CURB AND BACKDRAFT DAMPER.

LOUVER SCHEDULE

SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL (1)(2)(3)(5)
L-1	96" x 72"	HIGH SIDE WALL	RELIEF	AIROLITE K609A (6)

NOTES:

(1) PROVIDE 1/2" MESH BRONZE BIRDSCREEN.
(2) PROVIDE KYNAR 500 COATING. PROVIDE COLOR SELECTIONS WITH SUBMITTALS.
(3) COORDINATE EXACT MOUNTING LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
(4) SHEET METAL CONTRACTOR TO PROVIDE FRAME @ EXPOSED WALL WITH INSIDE FLANGE.
(5) LOUVER FRAME TO BE RECESSED TYPE.
(6) MOTORIZED DAMPER AND BACKDRAFT DAMPER REQUIRED.

ATHLETICS BUILDING MECHANICAL EQUIPMENT SCHEDULES

ATU-1

AIR TURNOVER UNIT: OUTDOOR UNIT @ 17,860 CFM AT 0.125" S.P., DIRECT GAS FIRED, 1,660 MBH, PREMIUM EFFICIENCY 15 H.P. MOTOR, 460/3/60 POWER, FACTORY THERMOSTAT AND CONTROL PANEL. 80/20 30% 2" PLEATED FILTER SECTION, DISCHARGE DAMPER AND ACTUATOR, HEAVY DUTY DISCHARGE DIFFUSER, AND RETURN GRILLE GAS PRESSURE SWITCH, DOOR INTERLOCKED NON-FUSED DISCONNECT SWITCH, INTERRUPTED IGNITION, LON CARD FOR BMS INTERFACE. FACTORY STAND WITH EXTENSION AS REQUIRED FOR BUILDING HEIGHT. FACTORY SERVICE PLATFORM WITH SAFETY RAIL AND ACCESS LADDER. MOTOR FLA = 21, UNIT FLA = 22
WEIGHT: 3,373 LBS
MANUFACTURER: TITAN AIR, OR APPROVED EQUAL
MODEL: TA-122 NG VRH AR/80

AC-1

INDOOR UNIT: HEATING/COOLING, CEILING CASSETTE, 230-265-300CFM, 3,600-9,000 BTUH TOTAL COOLING CAPACITY AT 95°F O.A. TEMP, 80°F D.B. & 67°F W.B., 6,900 BTUH TOTAL HEATING CAPACITY AT 17°F O.A. TEMP, 70°F D.B. & 60°F W.B., MCA=1.0, 208/230/1/60 MOTOR TO BE UL LISTED. UNIT TO BE COMPLETE WITH CLEANABLE FILTER, CONDENSATE PUMP, CHECK & EXPANSION VALVE KIT, PRE-CHARGED LINE SET, DRIP PAN AND DRAIN CONNECTION. PROVIDE WALL MOUNTED THERMOSTAT WITH NIGHT SET BACK. THERMOSTAT SHALL BE HARD WIRED TO UNIT.
UNIT DIM: 22 7/16" L x 22 7/16" W x 9 21/32" H.
WEIGHT: 31 LBS.
SEER : 22.4
MANUFACTURER: MITSUBISHI
MODEL: SLZ-KF09NA

OUTDOOR UNIT: AIR COOLED, HORIZONTAL DISCHARGE, INVERTER COMPRESSOR, UNIT TO BE MOUNTED ON ROOF. 3,600-9,000 BTUH TOTAL COOLING CAPACITY AT 95°F O.A. TEMP, 80°F D.B. & 67°F W.B., 6,900 BTUH TOTAL HEATING CAPACITY AT 17°F O.A. TEMP, 70°F D.B. & 60°F W.B., MCA=9.0, 208/230/1/60. UNIT TO BE COMPLETE WITH CRANKCASE HEATER, AMBIENT CONTROL KIT TO 0°F, AND ALL CONTROLS FOR AUTOMATIC OPERATION. CONTRACTOR TO PROVIDE A ROOF CURB 12" ABOVE FINISHED ROOF LEVEL.
UNIT DIM: 31 1/2" L x 11 1/4" W x 21 5/8" H.
WEIGHT: 81 LBS.
MANUFACTURER: MITSUBISHI
WEIGHU: SUZ-KA09NA2

DSF-1

DE-STRAT FAN: MIXED AIR TYPE FOR EXPOSED MOUNTING. MULTI-VANE STATOR AND VENTURI NOZZLE, 6'-0" STEEL SEISMIC SAFETY LEASH, BACNET/IP CONTROL PACKAGE, FACTORY SMART CONTROLLER WITH HIGH/LOW TEMPERATURE SENSORS AND FACTORY INLET GRILLE.
ELECTRICAL: 120/1/60, 0.4 AMPS
MANUFACTURER: AIRIUS FANS OR APPROVED EQUAL
A: AIR PEAR 25. 'OFF-WHITE'

REGISTER & GRILLE SCHEDULE

SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL (1)
R-1 CFM	8"x8"	CEILING	EXHAUST	TITUS 4FL (2)(5)
R-2 CFM	12"x12"	CEILING	EXHAUST	TITUS 4FL (2)(5)
R-3 CFM	24"x24"	CEILING	EXHAUST	TITUS 4FL
G-1	24"x12"	CEILING	RETURN	TITUS 4FL
G-2	24"x24"	CEILING	RETURN	TITUS 4FL

NOTES:

(1) COLOR AND FINISH TO MATCH CEILING GRID, COORDINATE WITH ARCHITECT. SUPPLIER OF REGISTERS AND GRILLES SHALL COORDINATE WITH REFLECTED CEILING PLANS TO DETERMINE PROPER FRAMES.
(2) ALL REGISTERS TO BE C/W OPPOSED BLADE VOLUME CONTROL DAMPER.
(3) GRILLE SHALL HAVE BRIGHT WHITE FINISH AND FLANGE FOR SURFACE MOUNTING.
(4) GRILLE SHALL BE HEAVY DUTY GYMNASIUM TYPE WITH CONTINUOUS LOUVER BLADES.
(5) REGISTER TO BE OF ALUMINUM CONSTRUCTION.

GAS FIRED UNIT HEATER SCHEDULE

SYMBOL	TYPE	MBH INPUT	MBH OUTPUT	FLUE	CFM	MOTOR	MAKE & MODEL (1)(2)(3)
GUH-1	HORIZONTAL	300	249	6" DIA.	3843	1/4 HP, 115/60/1, 11.0 AMPS	REZNOR MODEL UDAS-300

NOTE:
(1) WITH THERMOSTAT & OUTLET LOUVERS EQUIPPED FOR HIGH ALTITUDE.
(2) TWO-STAGE GAS CONTROL.
(3) PROVIDE VERTICAL VENTILATION/COMBUSTION AIR ARRANGEMENT KIT.

SYMBOL LIST

- SUPPLY DIFFUSER
- RETURN OR EXHAUST GRILLE
- SUPPLY DROP THRU ROOF OR FLOOR ABOVE
- RETURN OR EXHAUST RISER THRU ROOF OR FLOOR ABOVE
- FLEXIBLE DUCTWORK
- TURNING VANES
- HIGH EFFICIENCY FITTING WITH VOLUME CONTROL DAMPER
- EQUIPMENT ON ROOF
- T WALL MOUNTED THERMOSTAT

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

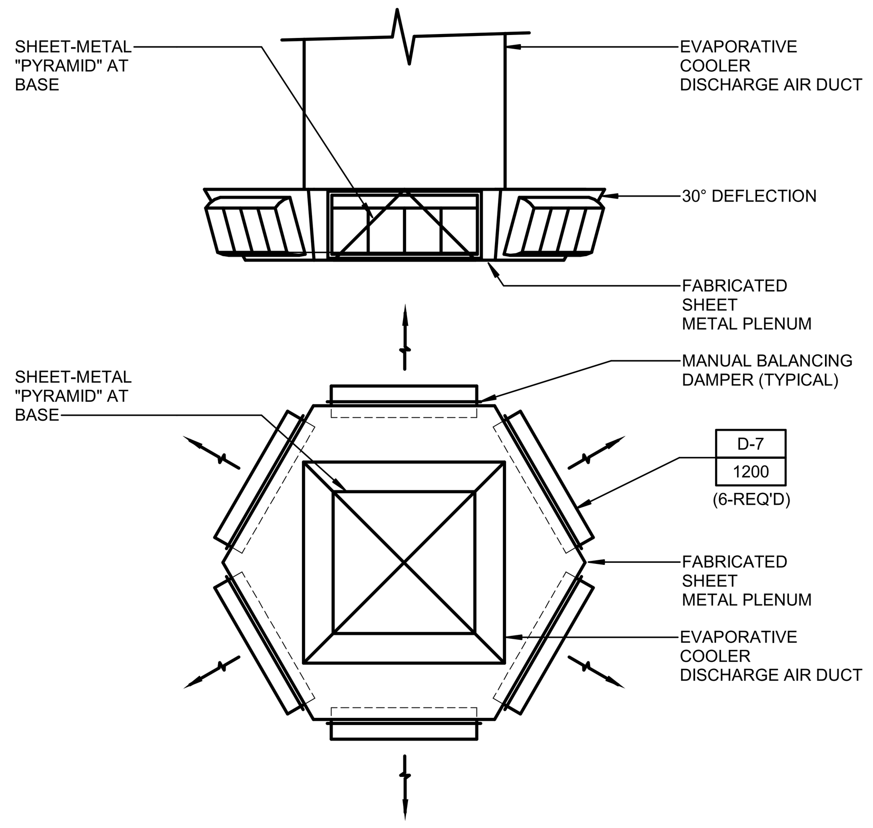
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Mechanical Schedules

SHEET NUMBER

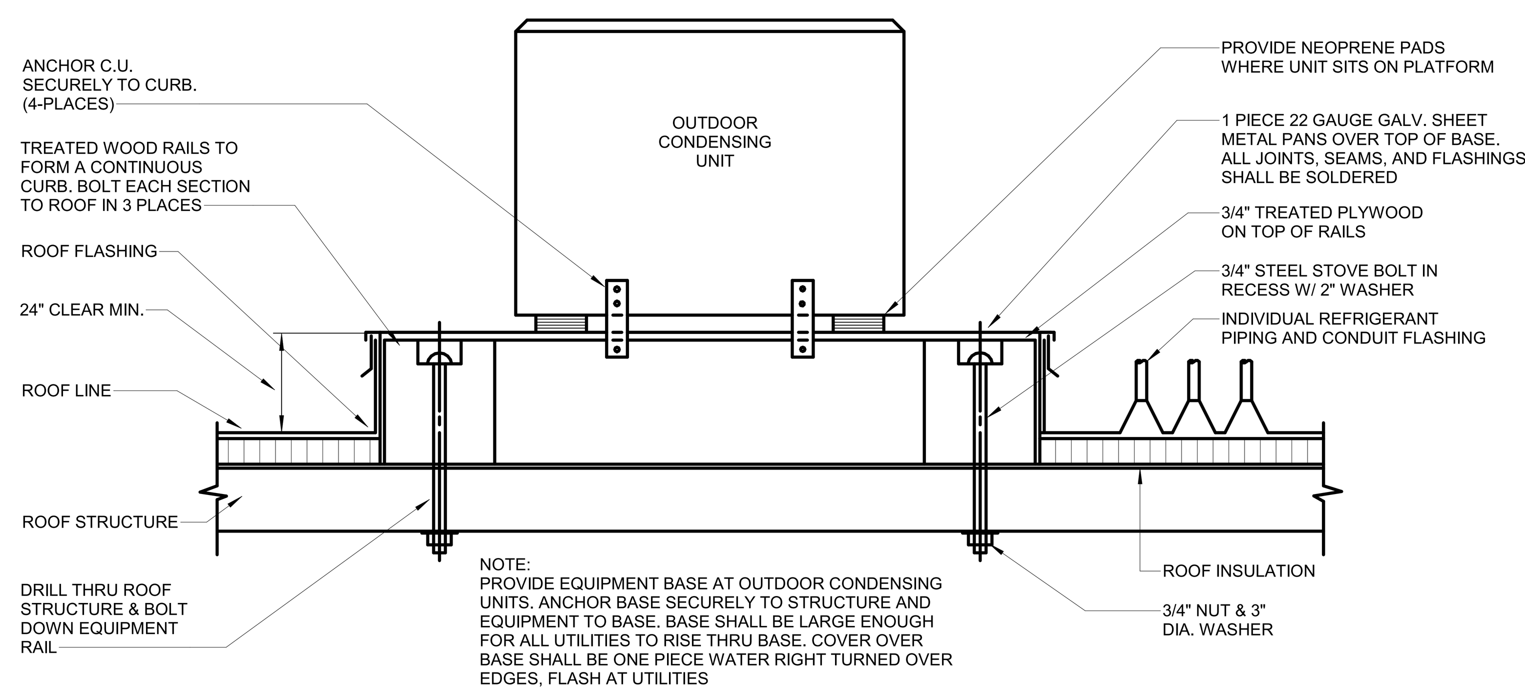
M501



EVAP COOLER DIFFUSER DETAIL

SCALE: NTS

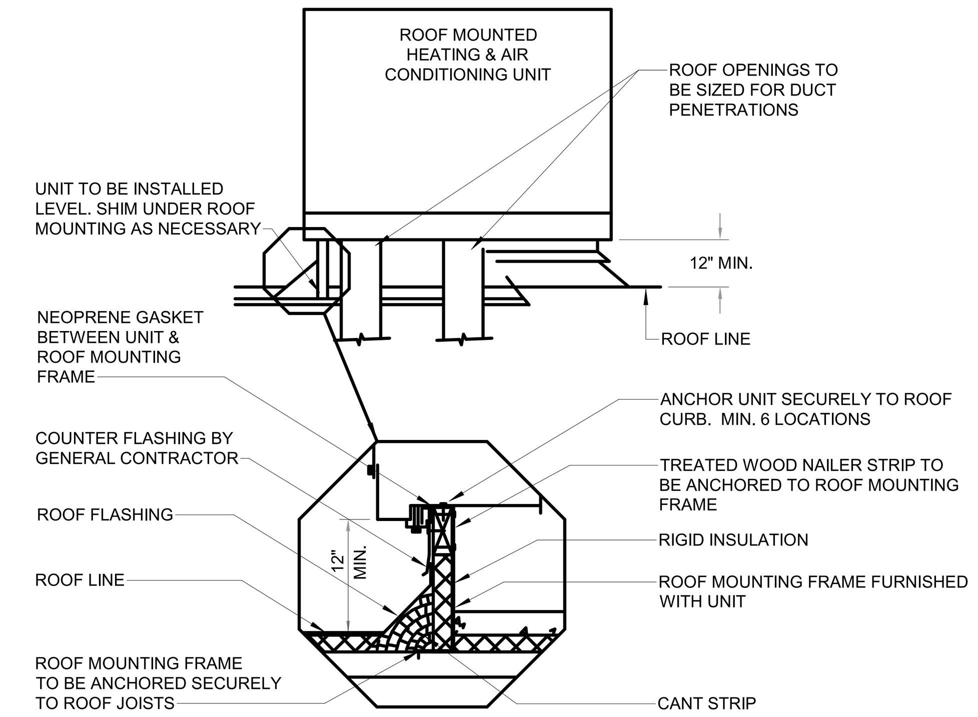
7
M601



AC OUTDOOR UNIT DETAIL

SCALE: NTS

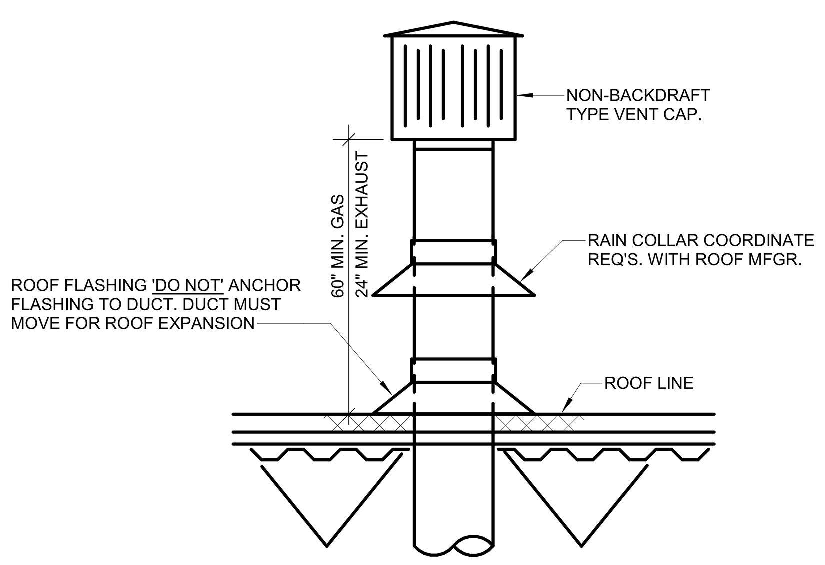
4
M601



ROOF MOUNTED ROOFTOP DETAIL

SCALE: NTS

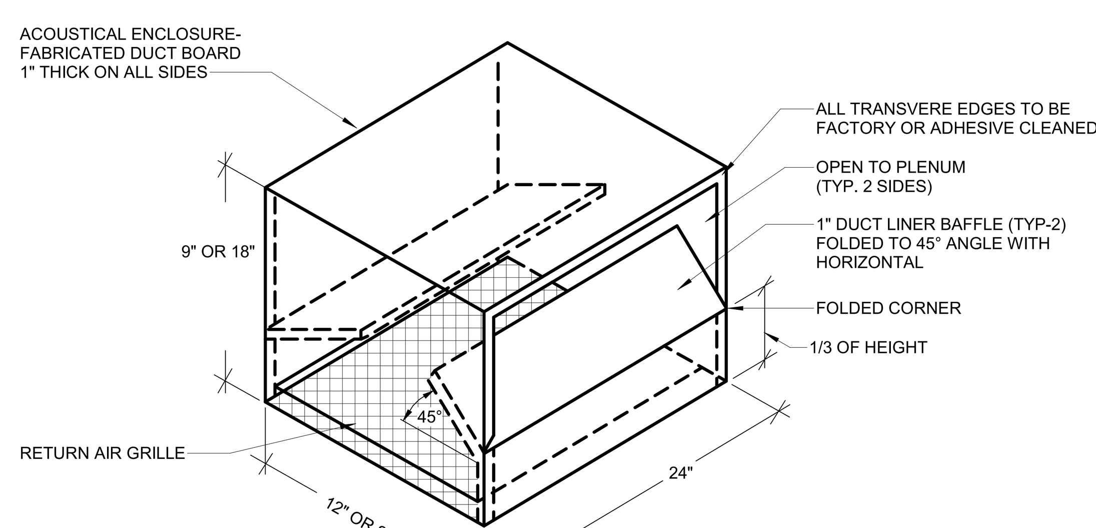
1
M601



TYPICAL DUCT PENETRATION AT ROOF DETAIL

SCALE: NTS

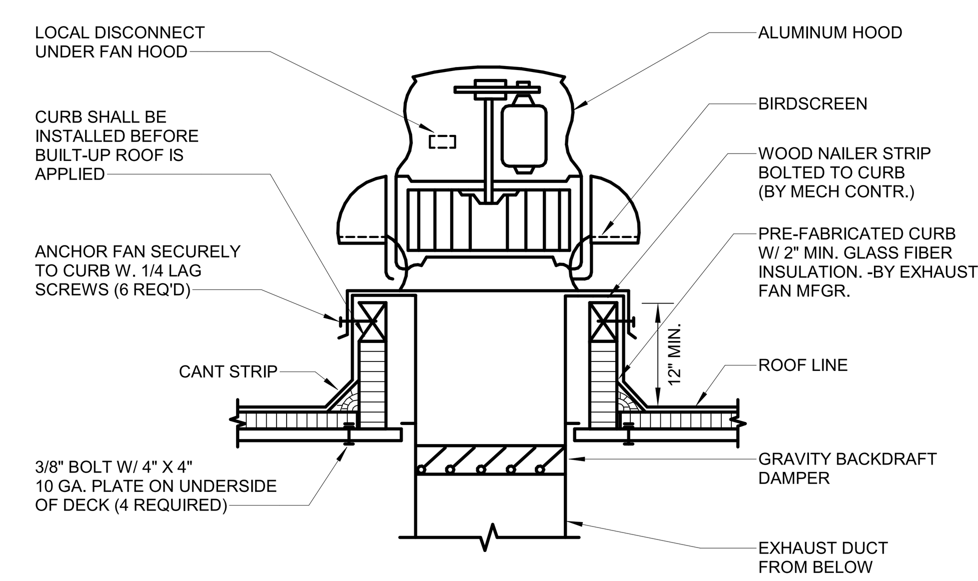
8
M601



RETURN AIR BOOT DETAIL

SCALE: NTS

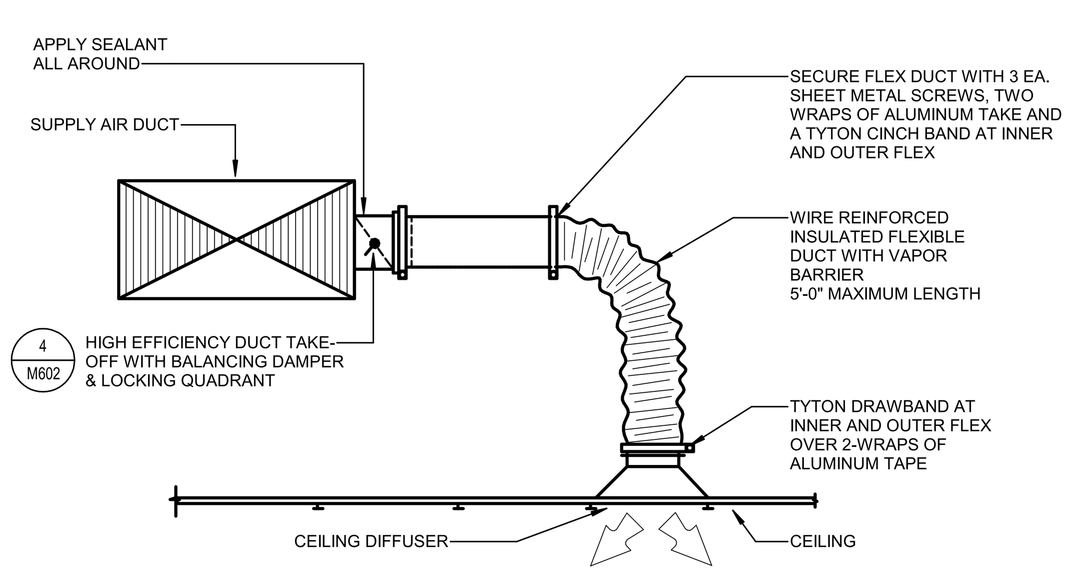
5
M601



ROOF MOUNTED EXHAUST FAN DETAIL

SCALE: NTS

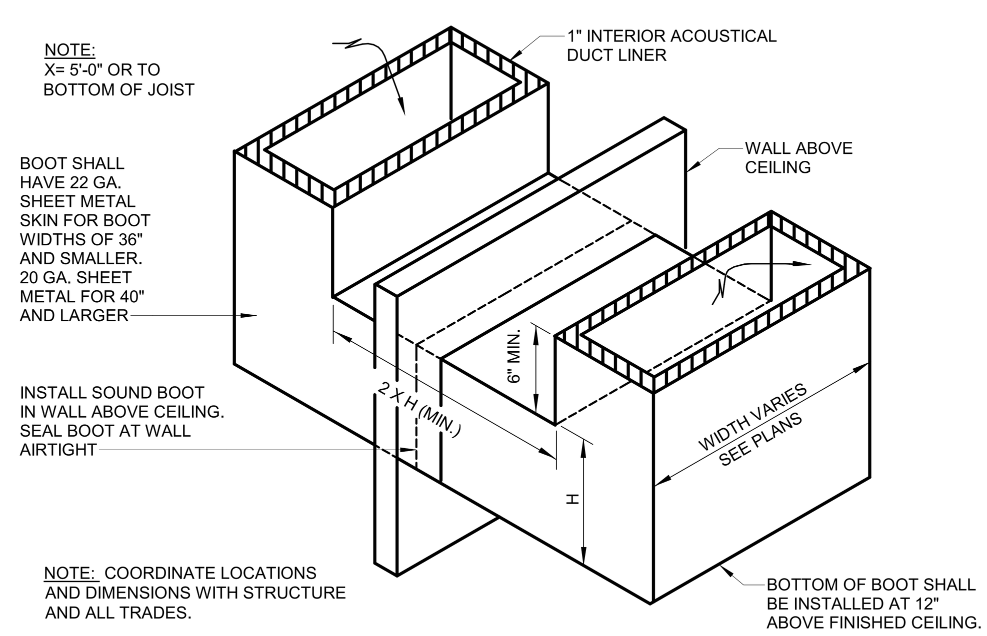
2
M601



CEILING DIFFUSER DETAIL

SCALE: NTS

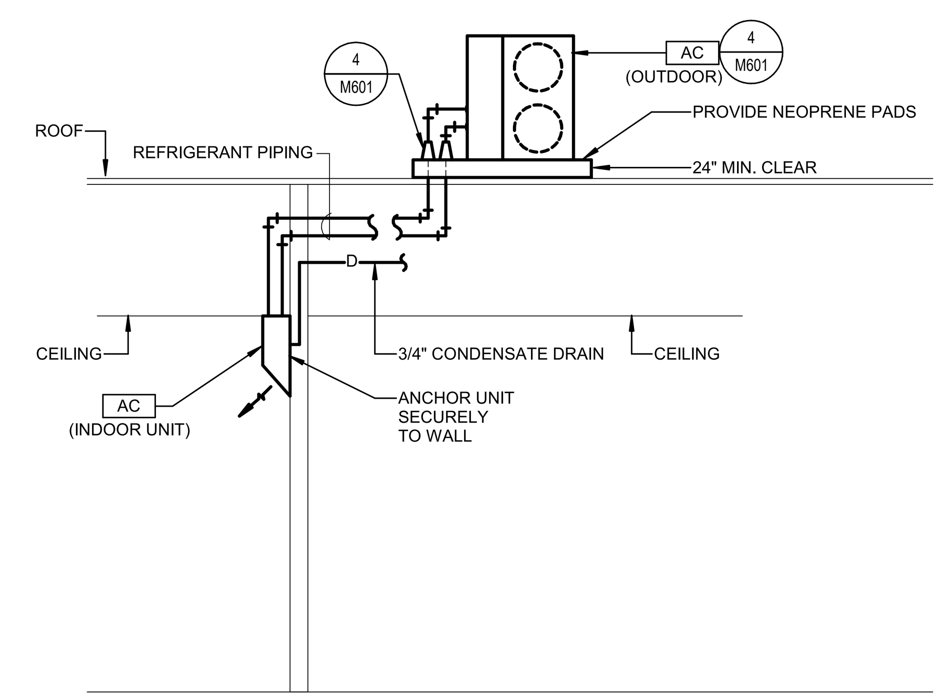
9
M601



RETURN AIR SOUND BOOT DETAIL

SCALE: NTS

6
M601



A/C UNIT DETAIL

SCALE: NTS

3
M601

A B C D E

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:30:29 AM

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES AUSTIN BERRETT
9/12/2024
STATE OF UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

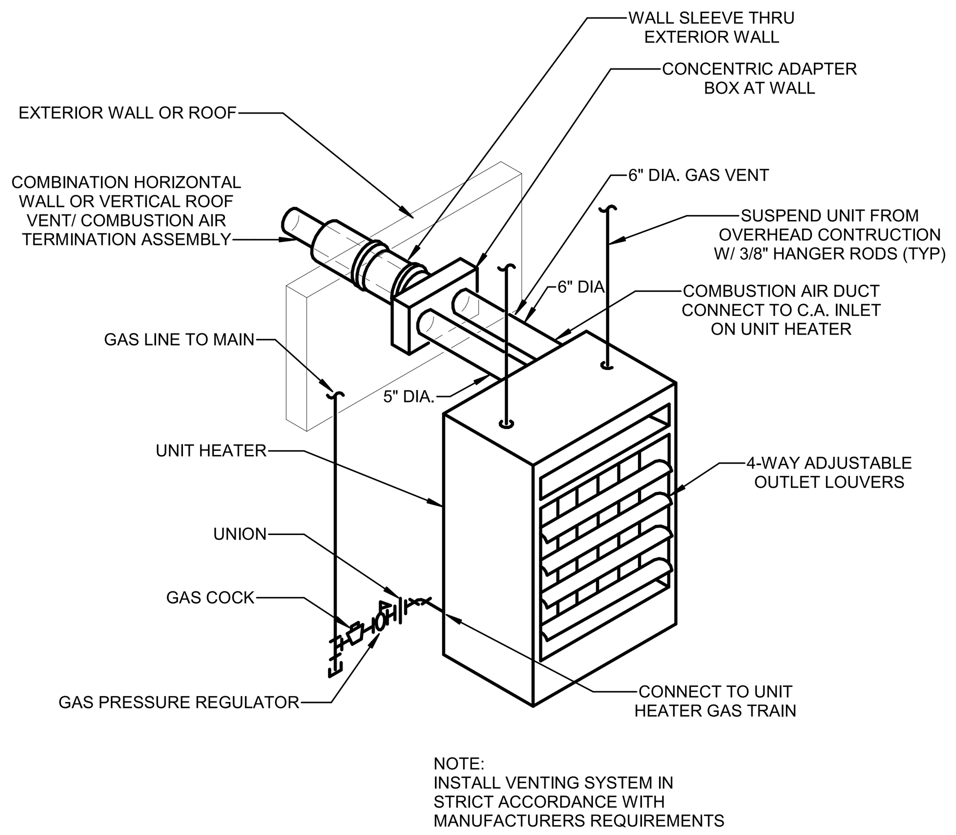
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Mechanical Details

SHEET NUMBER

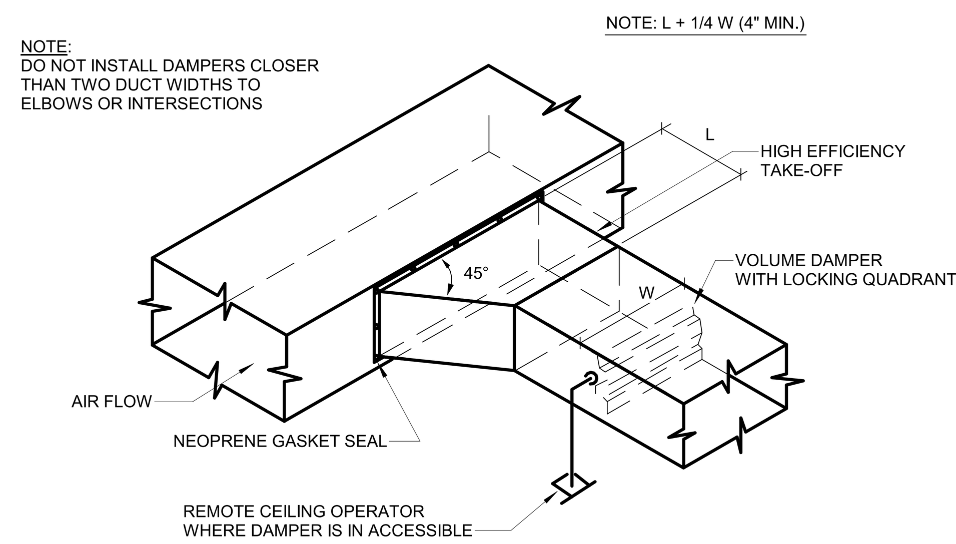
M601



GAS FIRED UNIT HEATER PIPING SCHEMATIC

7 / M602

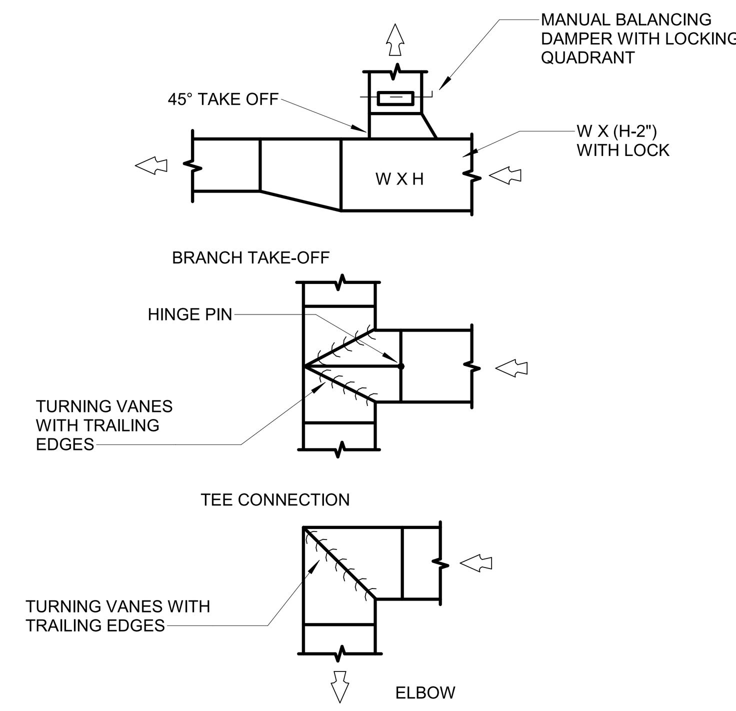
SCALE: NTS



BRANCH DUCT TAKE-OFF DETAIL

4 / M602

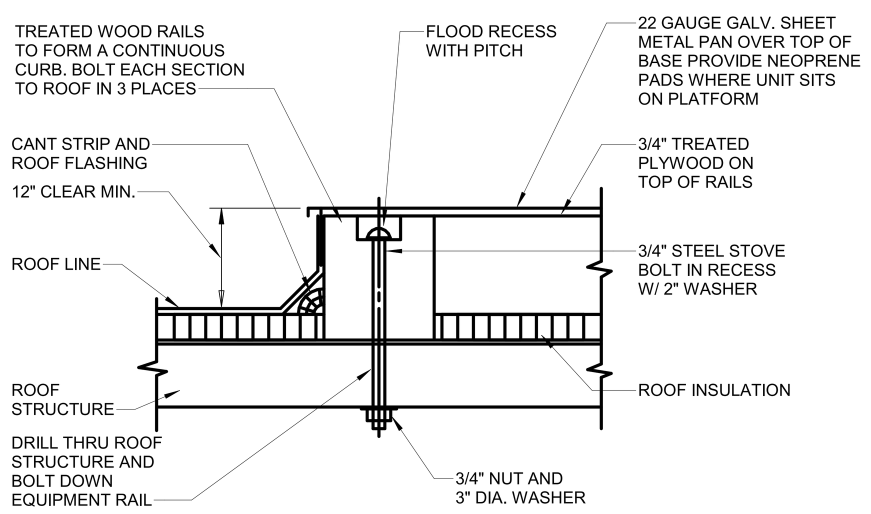
SCALE: NTS



LOW PRESSURE DUCT DETAIL

1 / M602

SCALE: NTS

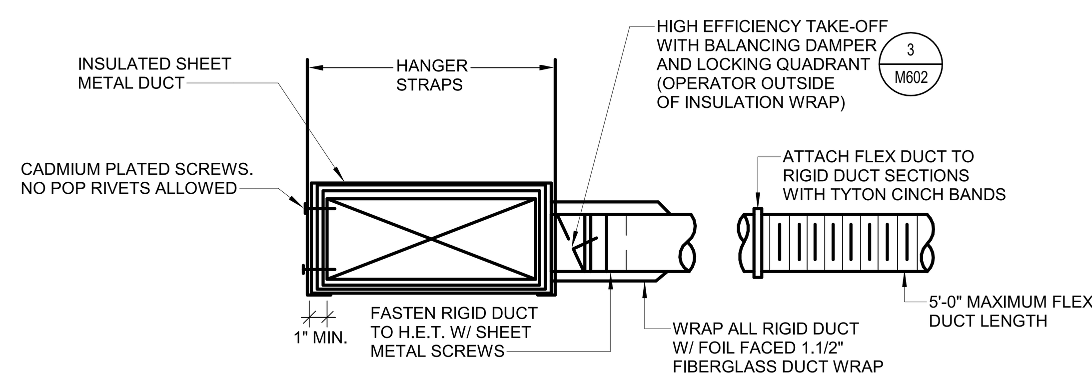


NOTE:
PROVIDE EQUIPMENT BASE AT MAKE-UP AIR UNITS IF REQUIRED. ANCHOR BASE SECURELY TO STRUCTURE AND EQUIPMENT TO BASE. BASE SHALL BE LARGE ENOUGH FOR ALL UTILITIES TO RISE THRU BASE. COVER OVER BASE SHALL BE ONE PIECE WATER TIGHT TURNED OVER EDGES, FLASH AT UTILITIES.

ROOFTOP EQUIPMENT BASE DETAIL

8 / M602

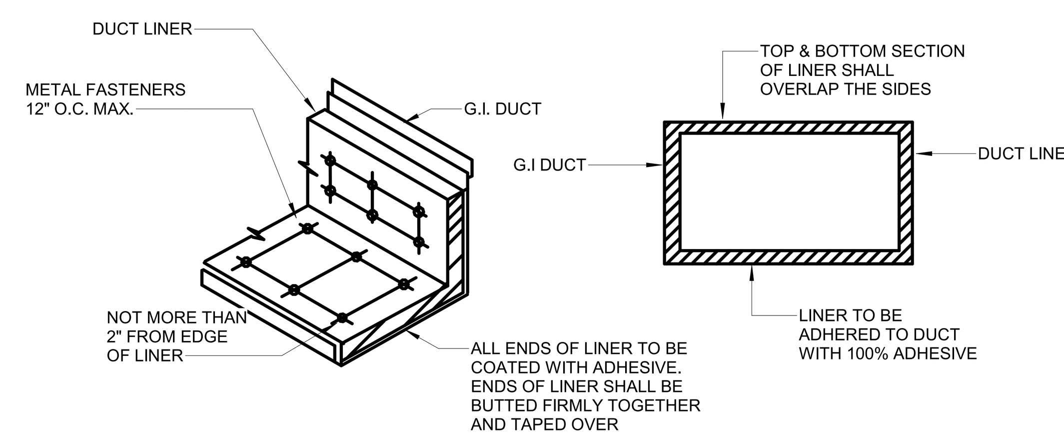
SCALE: NTS



FLEX DUCT TAKE-OFF FITTING DETAIL

5 / M602

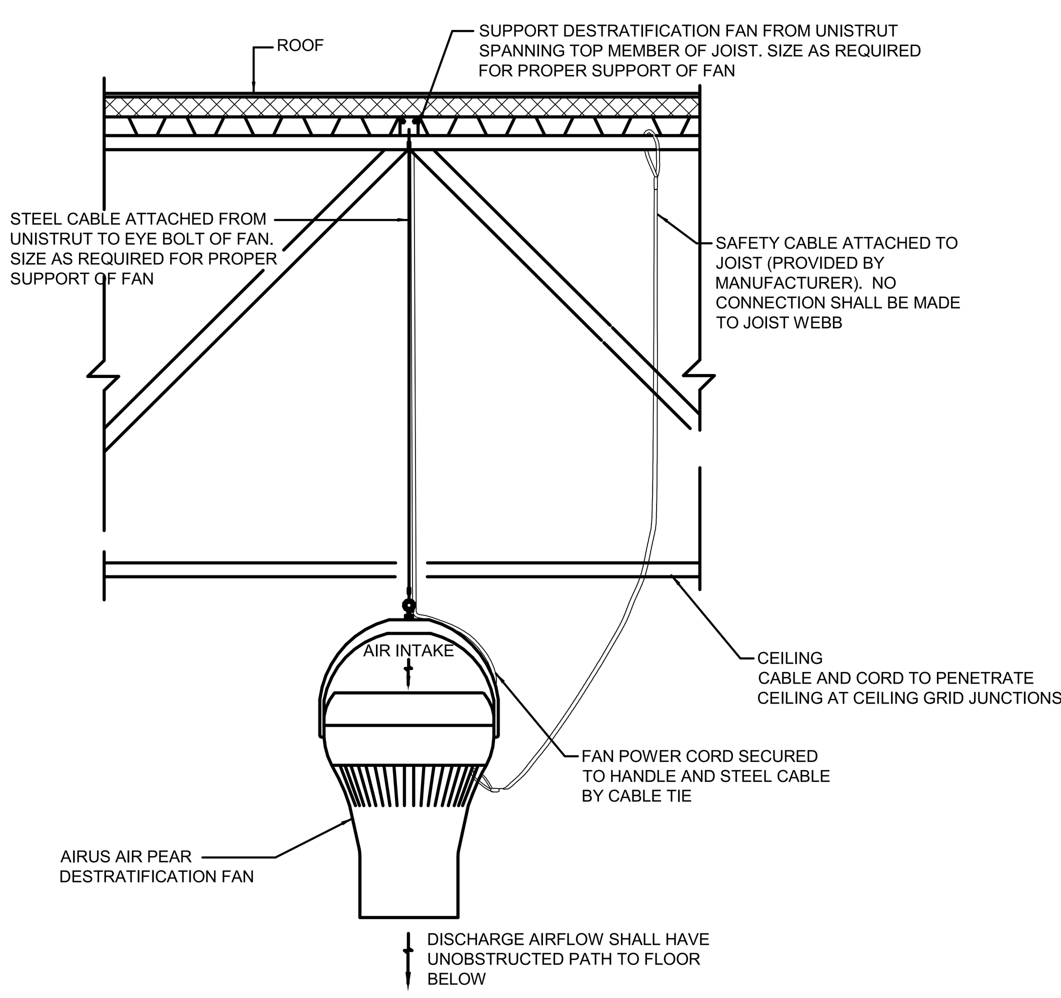
SCALE: NTS



DUCT LINER DETAIL

2 / M602

SCALE: NTS

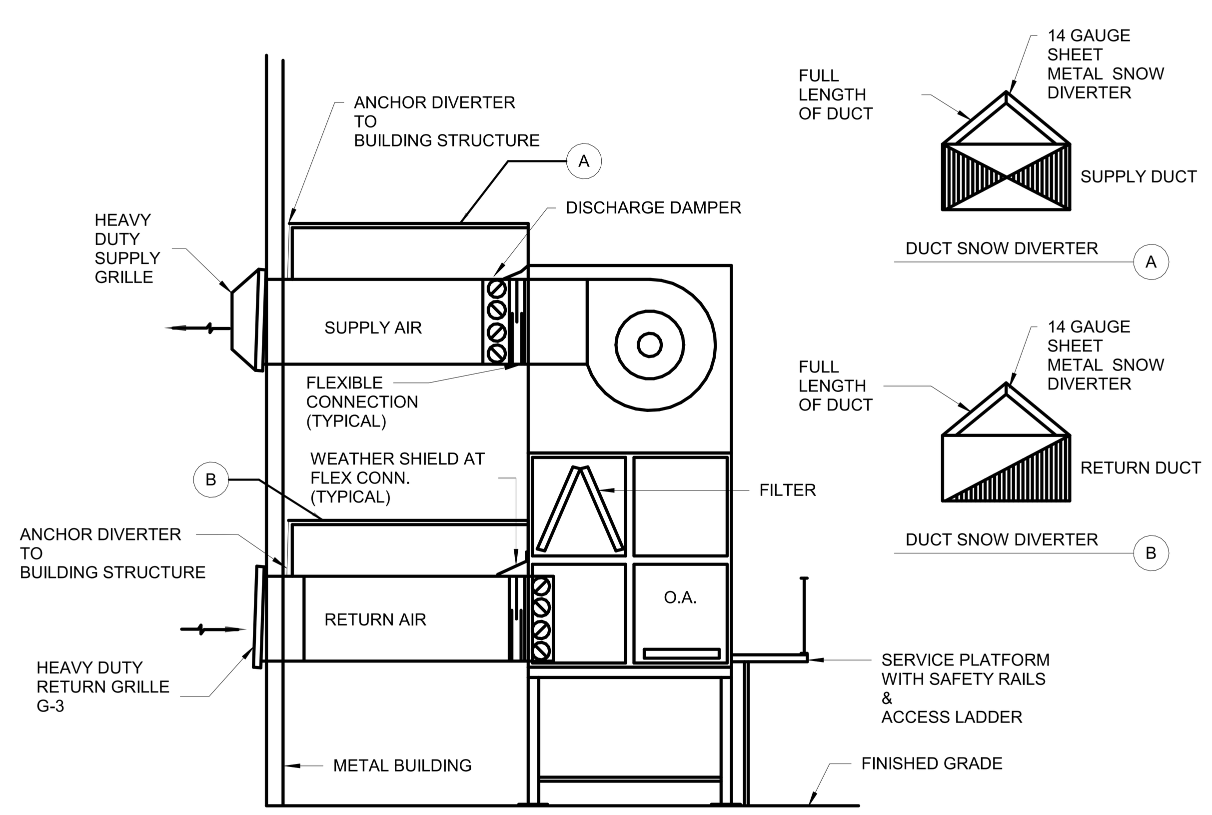


NOTES:
1. INSTALL FAN AS CLOSE AS POSSIBLE TO TOP OF CEILING. (TYP. 0'-6" TO 1'-0")
2. OPTIONAL HANGING METHODS INCLUDE: BEAM CLAMP/ BRIDLE RING, CHAIN LINK/ CARABINER, THREADED ROD/ LOCKNUTS ETC.
3. CONTRACTOR TO PROVIDE POWER FEED IN CONDUIT. THE ELECTRICAL CONNECTION CAN BE MADE IN A J-BOX (HARD WIRED) OR PLUG CONNECTION (J-BOX RECEPTACLE).

DESTRATIFICATION FAN DETAIL

9 / M602

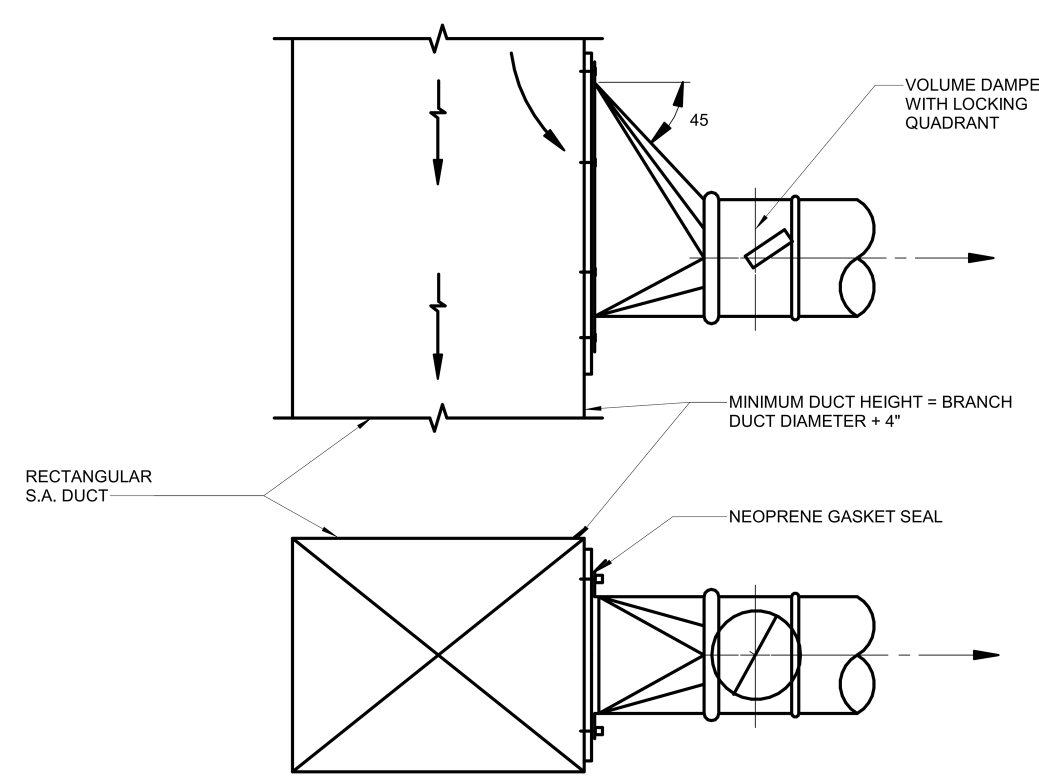
NOT TO SCALE



AIR TURNOVER UNIT ATU-1 DETAIL

6 / M602

SCALE: NTS



45 DEG. HIGH EFFICIENCY TAKE-OFF

3 / M602

SCALE: NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

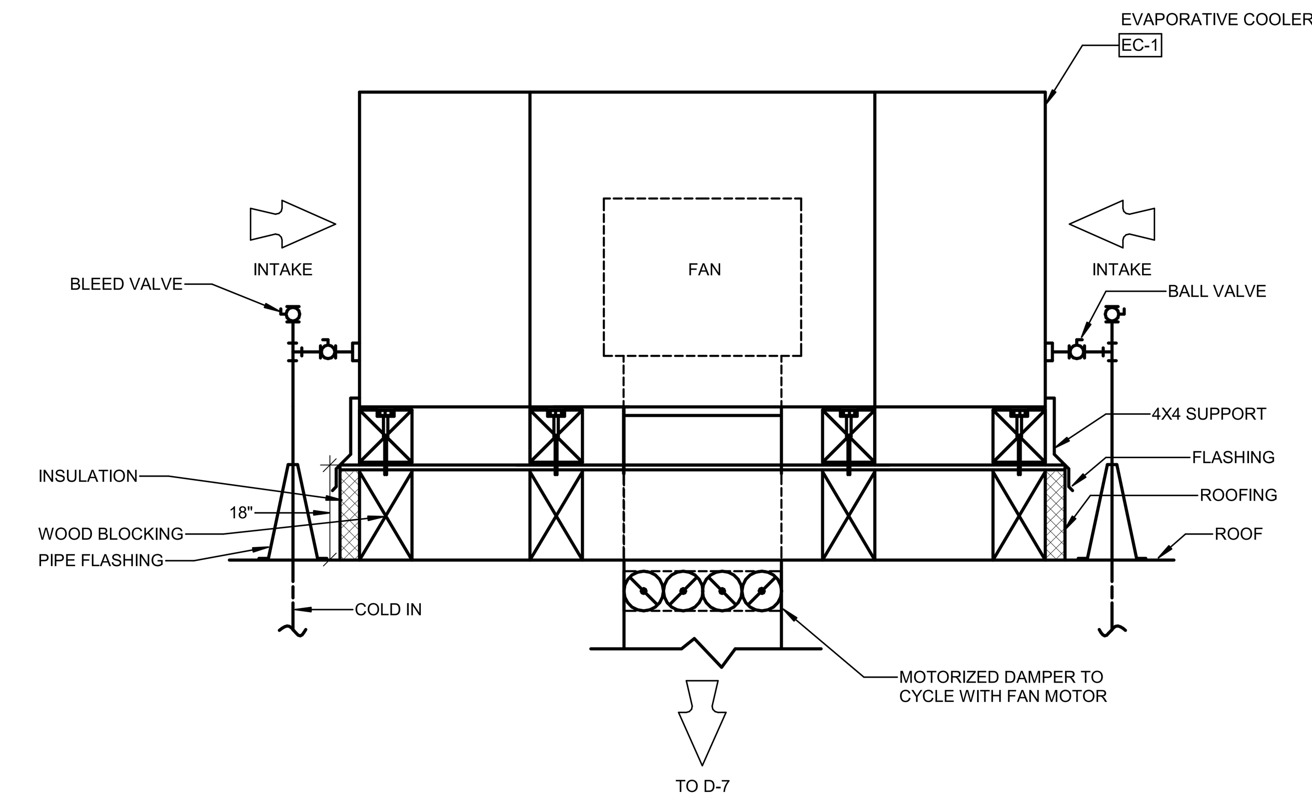
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Mechanical Details

SHEET NUMBER

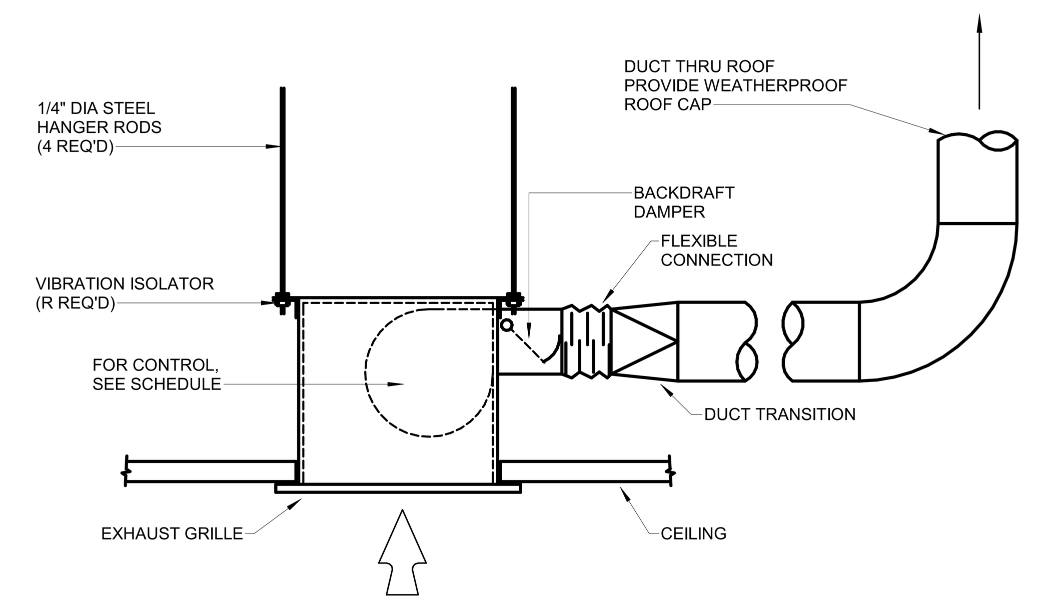
M602



EVAPORATIVE COOLER DETAIL

SCALE: NTS

1
M603



CEILING EXHAUST FAN DETAIL

SCALE: NTS

2
M603

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES
AUSTIN
BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.

CANYONS
SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

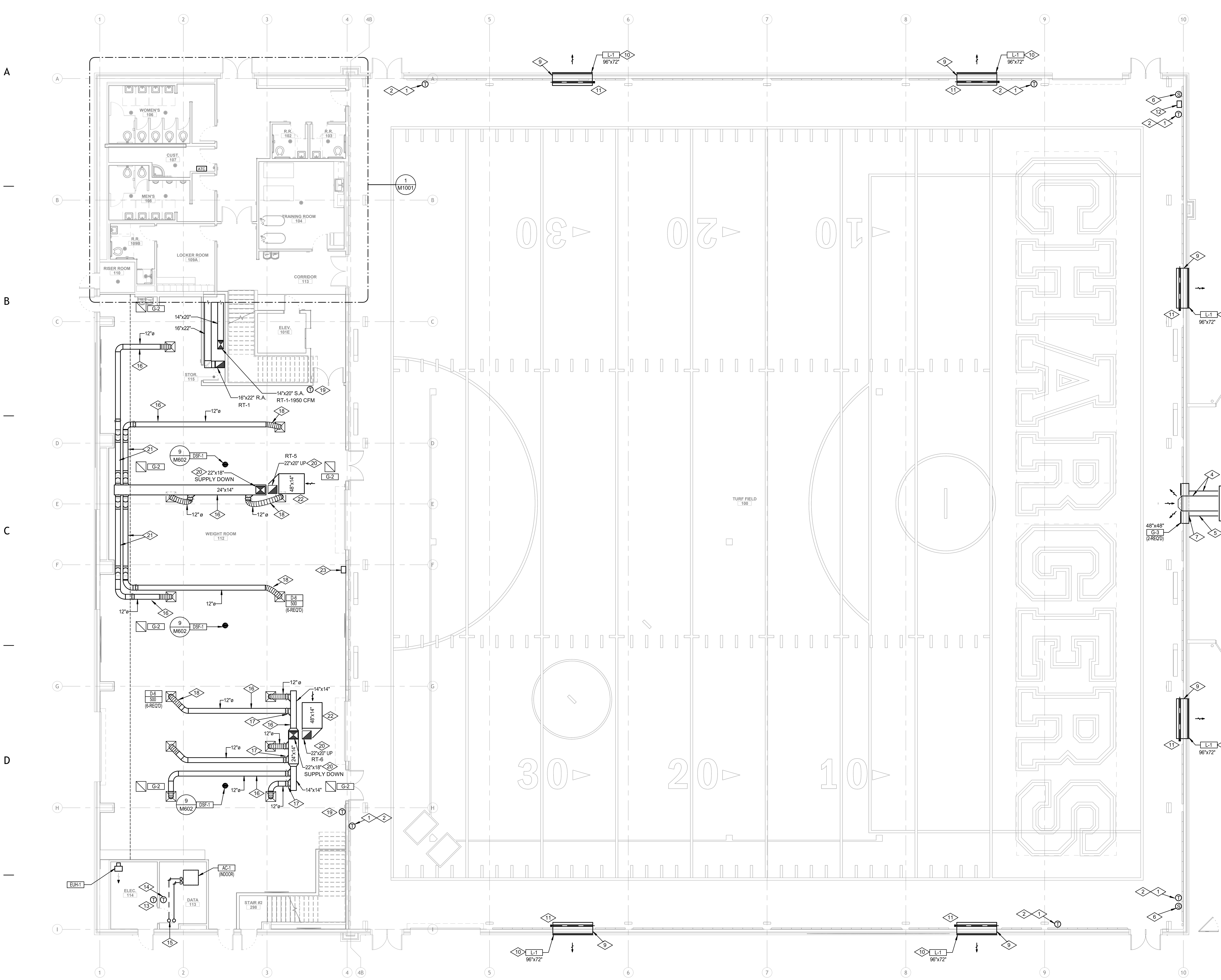
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Mechanical Details

SHEET NUMBER

M603



LEVEL 1 ALTERNATE - OVERALL MECHANICAL PLAN

0 4'-0" 8'-0" 16'-0"

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

REFERENCE NOTES

1. PROVIDE LOCKING, VENTED, HEAVY DUTY COVER FOR THERMOSTAT
2. HEATING ONLY THERMOSTAT FOR GAS FIRED HEATER.
3. ATU-1 AIR TURNOVER UNIT. PROVIDE 4" CONCRETE CURB FOR STAND AND UNIT; SEE DETAIL 6/M602 SHEET FOR INSTRUCTION.
4. PROVIDE SHEET METAL "SNOWBREAK" OVER BOTH SUPPLY AND RETURN AIR DUCTS TO SHIELD FROM SNOW SHEAR; SEE DETAIL 6/M602.
5. FIELD-BUILT RETURN AIR DUCT; MATCH SIZE WITH UNIT R/A OPENING. PROVIDE TRANSITION TO COLLAR-THROUGH-WALL AS REQUIRED.
6. EVAPORATIVE COOLER CONTROL & 7 POSITION SWITCH. ON-OFF, VENT-COOL-PUMP, HIGH-LOW.
7. SEAL & FLASH PENETRATIONS WATERTIGHT. (TYPICAL)
8. SERVICE PLATFORM & LADDER.
9. PROVIDE SHEET METAL COLLAR LONG ENOUGH TO CLEAR BUILDING INNER WALL TO INSTALL MOTOR OPERATED DAMPER. COORDINATE WITH METAL BUILDING VENDOR.
10. COORDINATE HEIGHT WITH ARCHITECTURAL ELEVATIONS.
11. MOTORIZED CONTROL DAMPER INTERLOCK WITH EC-1.
12. ATU-1 CONTROL PANEL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.
13. WALL MOUNTED HEATING THERMOSTAT.
14. WALL MOUNTED HARD WIRED COOLING THERMOSTAT.
15. REFRIGERANT LINES UP TO ABOVE. SEE M902.
16. DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
17. HET FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
18. FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0".
19. WALL MOUNTED HEATING COOLING THERMOSTAT. (TYPICAL) MOUNT AT 4'-0" AFF.
20. DUCTS FROM ABOVE. SEE M902. COORDINATE WITH STRUCTURE.
21. DUCT TO DROP BELOW STRUCTURAL GIRDERS IN ARCHITECTURAL SOFFIT. COORDINATE WITH STRUCTURE & ALL TRADES.
22. LINED RETURN AIR DUCT.
23. DESTRATIFICATION FAN CONTROL BOX.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

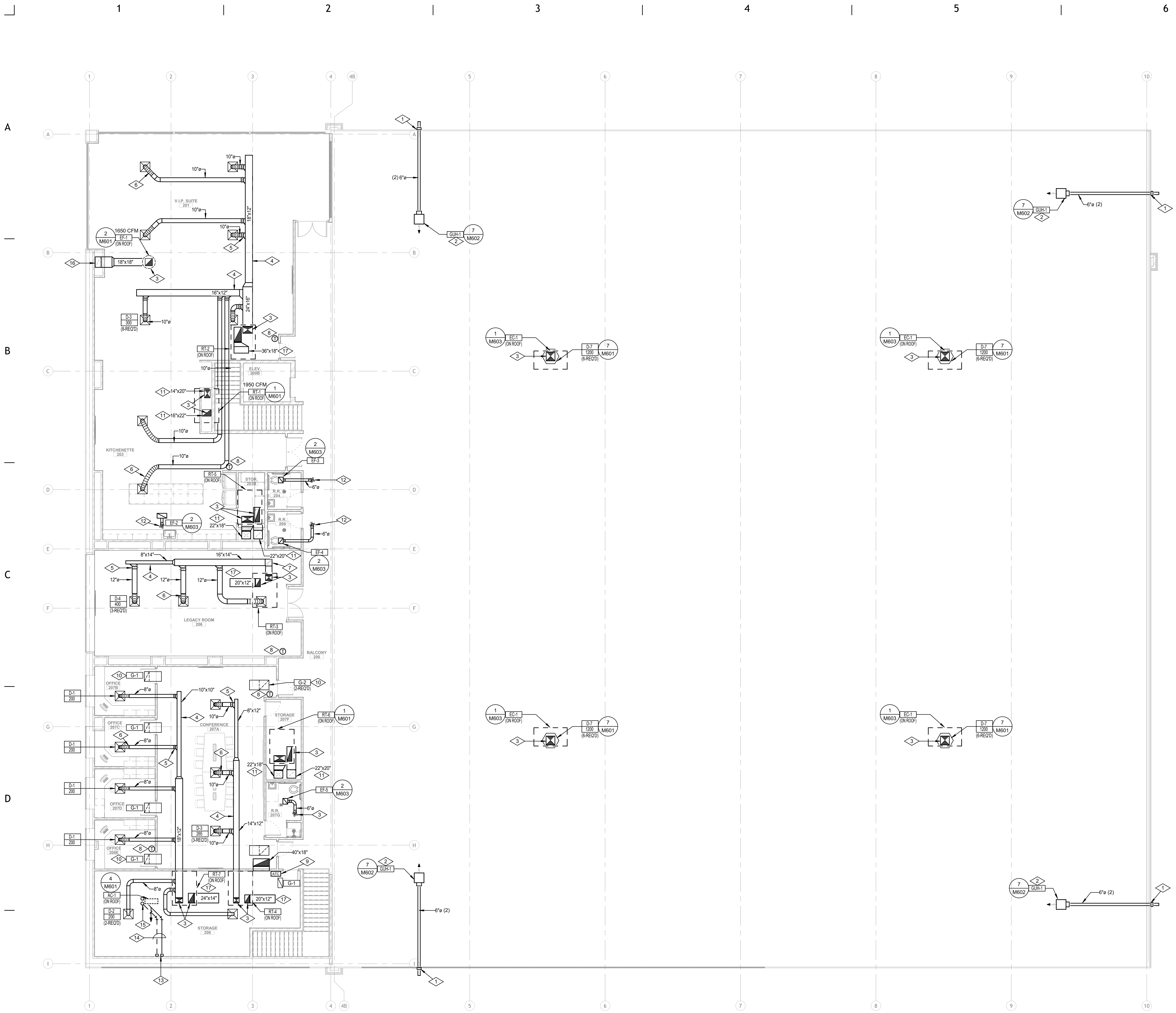
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Alternate Mechanical Plan

SHEET NUMBER

M901



LEVEL 2 ALTERNATE - OVERALL MECHANICAL PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. COMBUSTION AIR AND EXHAUST FLUES TO CONCENTRIC SIDEWALL KIT, INSTALL AS PER MANUFACTURERS INSTRUCTIONS.
2. GUH-1 MOUNTED AS PER MANUFACTURER'S INSTRUCTIONS. FIELD COORDINATE EXACT MOUNTING HEIGHT WITH G.C.
3. DUCT THRU ROOF. COORDINATE WITH STRUCTURE.
4. DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
5. HET FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
6. FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0".
7. TURNING VANES. (TYPICAL)
8. WALL MOUNTED HEATING COOLING THERMOSTAT. (TYPICAL) MOUNT AT 4'-0" AFF.
9. ATC PANEL. 120/1/60 POWER REQUIRED.
10. SOUND BOOT AT GRILLE. (TYPICAL) SEE DETAIL 5/M601.
11. DUCT DOWN TO BELOW. SEE M901. COORDINATE WITH STRUCTURE.
12. EXHAUST DUCT THRU ROOF. MAINTAIN 10'-0" FROM ALL O.A. INTAKES. SEE DETAIL 8/M601.
13. REFRIGERANT LINE UP FROM BELOW. SEE M901.
14. RUN TIGHT BELOW ROOF DECK.
15. REFRIGERANT LINES UP THRU ROOF TO AC-1 OUTDOOR UNIT.
16. DUCT UP FROM BELOW. SEE M901.
17. LINED RETURN AIR DUCT.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES AUSTIN BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

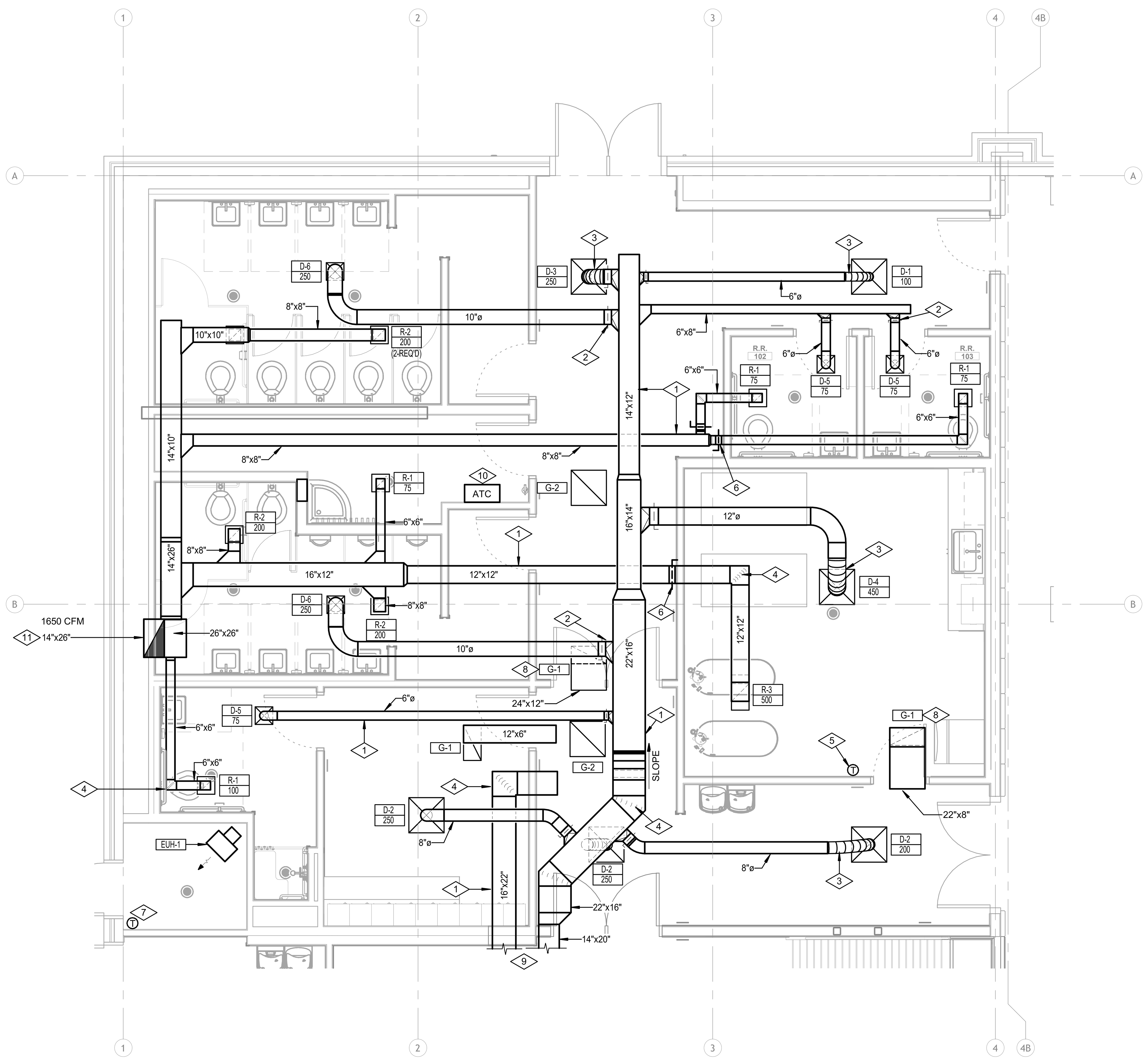
Level 2 Alternate Mechanical Plan

SHEET NUMBER

M902

REFERENCE NOTES

1. DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
2. H.E.T. FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
3. FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0"
4. TURNING VANES. (TYPICAL)
5. WALL MOUNTED HEATING & COOLING THERMOSTAT (TYPICAL) MOUNT AT 48" AFF.
6. MANUAL BALANCING DAMPER. (TYPICAL)
7. WALL MOUNTED HEATING THERMOSTAT.
8. SOUND BOOT AT GRILLE. (TYPICAL) SEE DETAIL 5/M601.
9. SEE SHEET M901 FOR CONTINUATION.
10. ATC PANEL. 120/1/60 POWER REQUIRED.
11. DUCT UP TO ABOVE. SEE SHEET M902.



1 LEVEL 1 ALTERNATE - ENLARGED MECHANICAL PLAN

0 2'-0" 4'-0" 8'-0"

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER LICENSED #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

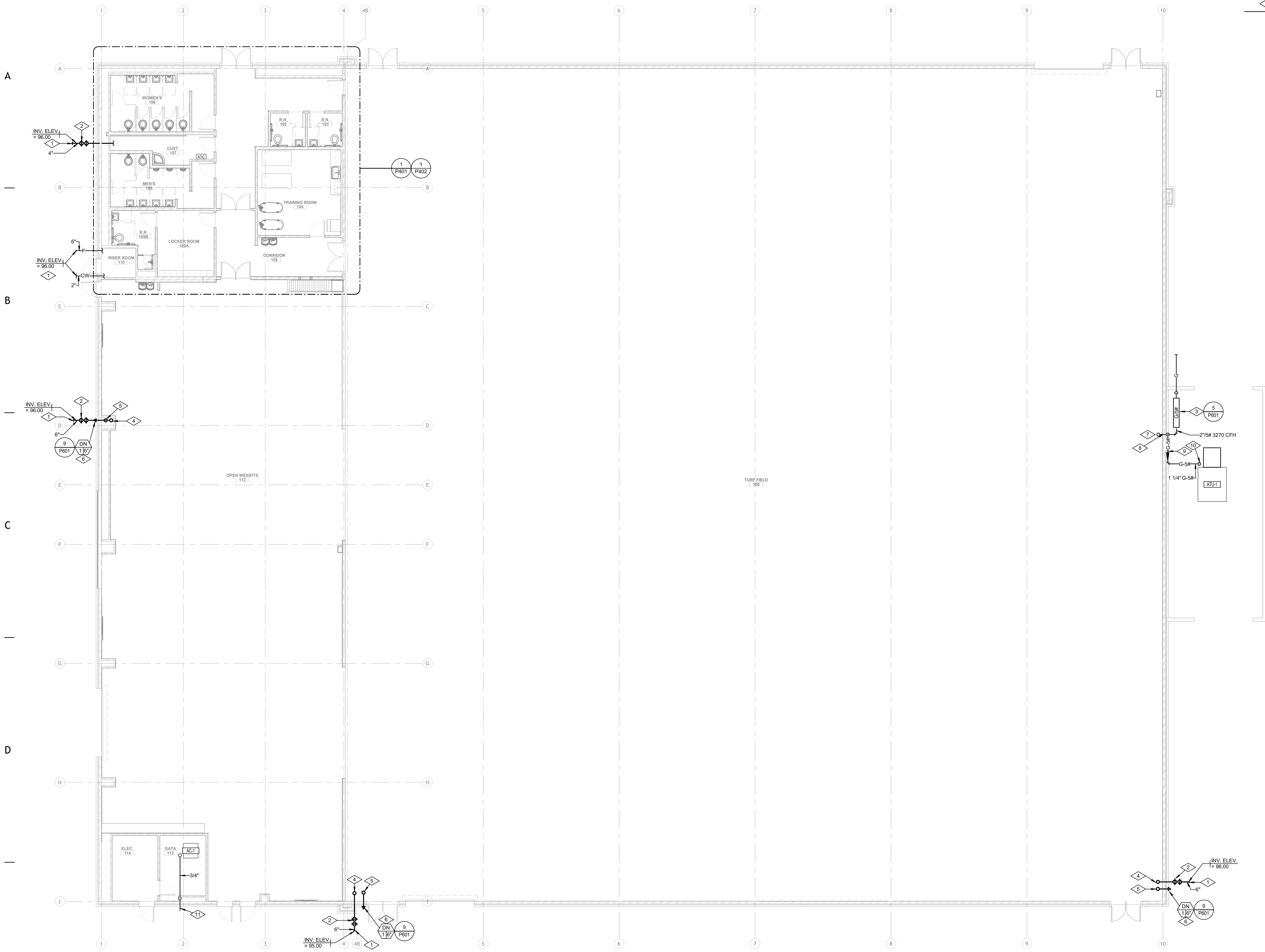
SHEET TITLE

Level 1 Alternate Enlarged Mechanical Plan

SHEET NUMBER

M1001

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:30:39 AM



LEVEL 1 OVERALL PLUMBING PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. TERMINATE PIPING 5'-0" BEYOND BUILDING LINE. DIVISION 22 TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE EXACT LOCATION & INVERT WITH SITE UTILITY CONTRACTOR.
2. DOUBLE CLEANOUT TO GRADE. SEE DETAIL 2/P602
3. GAS METER. COORDINATE WITH DOMINION ENERGY.
4. PRIMARY ROOF DRAIN DOWN FROM ABOVE TO BELOW FLOOR.
5. SECONDARY ROOF DRAIN DOWN FROM ABOVE TO 30" ABOVE GRADE.
6. MOUNT D.N. 1 AT 30" ABOVE GRADE. COORDINATE WITH WALL TYPE.
7. 1 1/4" 5 LB GAS UP TO ABOVE. (1380 CFH)
8. GAS FROM METER THRU BUILDING WALL SEAL WATERTIGHT.
9. RUN TIGHT AT WALL.
10. 1 1/4" 5 LB GAS TO ATU-1. SEE DETAIL 6/P601
11. PIPE 3/4" CONDENSATE FROM AC-1 DOWN AT WALL & DISCHARGE THRU EXTERIOR WALL AT 32" ABOVE GRADE IN TURNED DOWN ELBOW.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER LICENSED #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

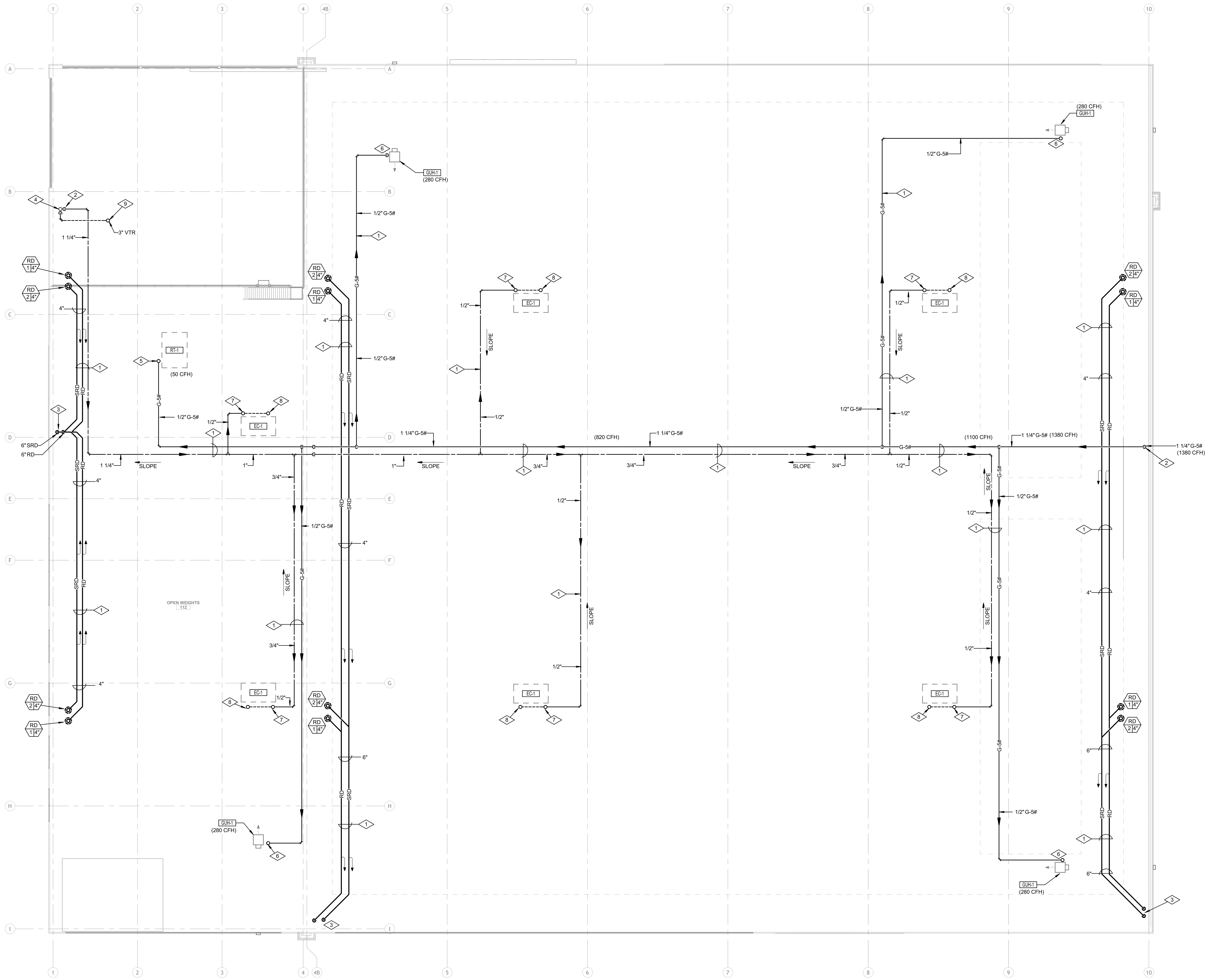
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Plumbing Plan

SHEET NUMBER

P101



LEVEL 2 OVERALL PLUMBING PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. PIPING TO RUN HIGH & TIGHT AT STRUCTURE.. COORDINATE WITH STRUTURE & ALL TRADES.
2. PIPING UP FROM BELOW.
3. PIPING DOWN TO BELOW.
4. FIRE LINE UP FROM BELOW. SEE FP101
5. GAS UP THRU ROOF TO EQUIPMENT. COORDINATE LOCATION WITH EQUIPMENT PROVIDED. SEE DETAIL 7/P601
6. GAS TO UNIT HEATER. SEE DETAIL 6/P601
7. WATER UP THRU ROOF TO EC-1. COORDINATE LOCATION WITH UNIT PROVIDED. SEE DETAILS 7/P602, 1/M603.
8. WATER RUNS ON ROOF TO EC-1 WATER CONNECTIONS. COORDINATE WITH UNIT PROVIDED. PROVIDE DRAIN VALVE & SUPPORT PIPING.
9. VENT THRU ROOF. (VTR) SEE DETAIL 4/P602.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES AUSTIN BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 2
Plumbing Plan

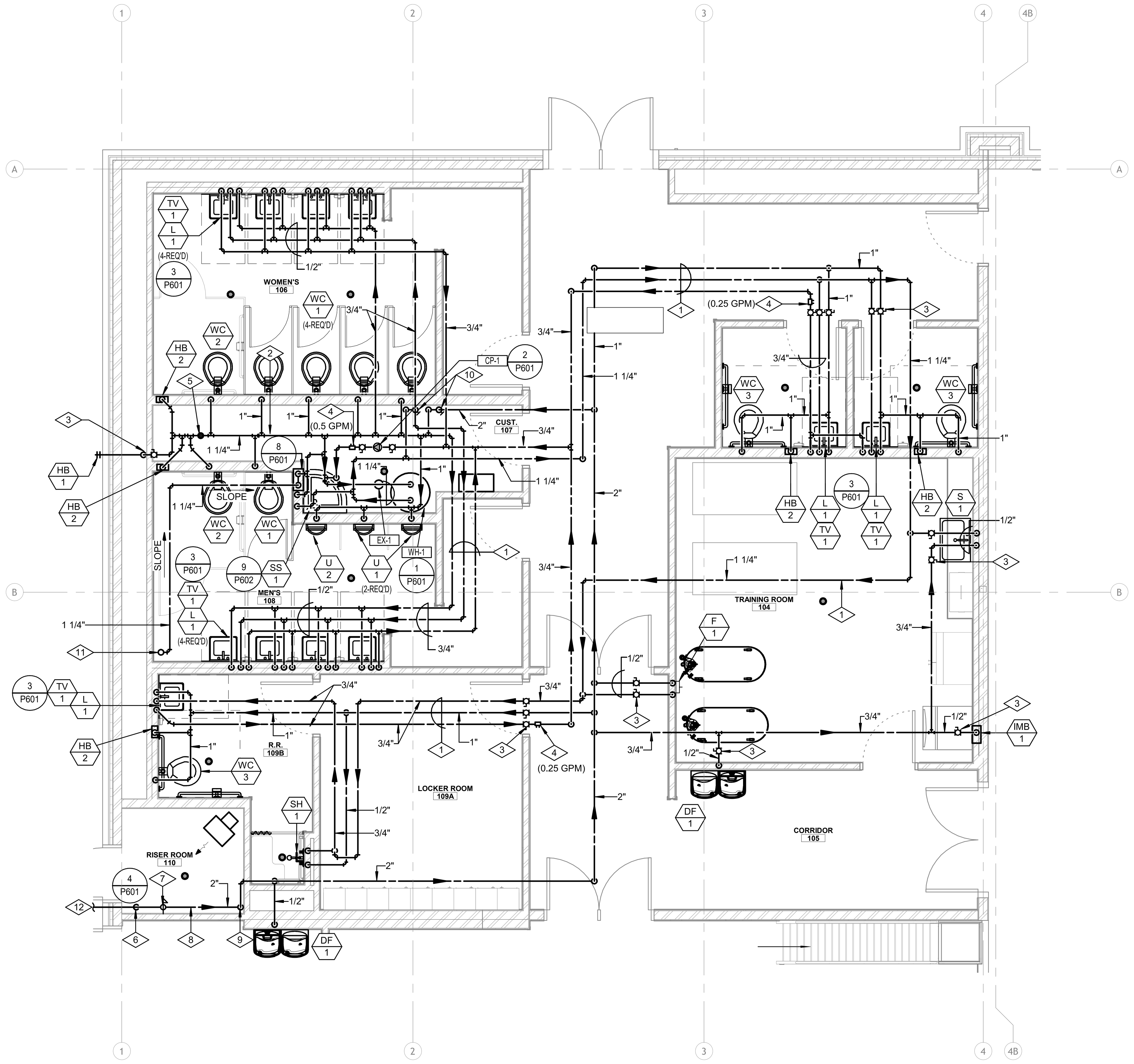
SHEET NUMBER

P102

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:30:42 AM

REFERENCE NOTES

1. PIPING TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
2. PIPE TO BE AT 72" MINIMUM HEIGHT IN CHASE.
3. LINE SIZE BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.
4. CIRCUIT SETTER IN HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN. CIRCUIT SETTER MUST BE ACCESSIBLE.
5. WATER HAMMER ARRESTOR.
6. PIPE UP THRU FLOOR TO PRV.
7. MAIN WATER PRESSURE REDUCING STATION. COORDINATE WITH FIRE RISER.
8. PIPING RUNS EXPOSED.
9. RISE UP TO RUN HIGH.
10. BALL VALVES AT 72" FOR TOILET ROOMS.
11. 1 1/4" WATER UP TO ABOVE.
12. SEE P101 FOR CONTINUATION.



1 LEVEL 1 ENLARGED PLUMBING PLAN

WATER SUPPLY

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

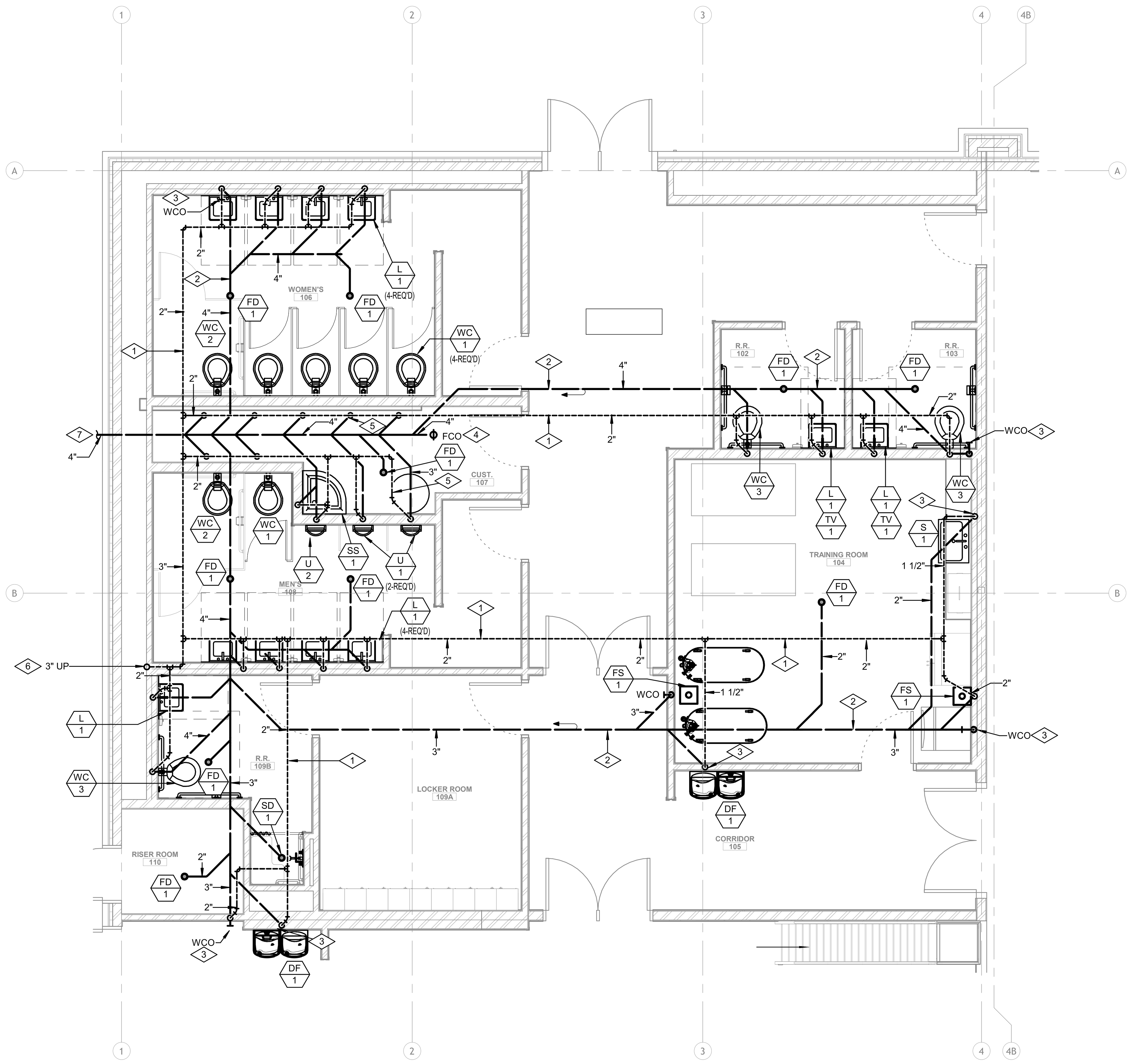
Level 1 Enlarged Plumbing Plan

SHEET NUMBER

P401

REFERENCE NOTES

1. PIPING TO RUN ABOVE CEILING (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
2. PIPING TO RUN BELOW FLOOR. (TYPICAL)
3. WALLCLEANOUT (WCO) SEE DETAIL 3/P602.
4. FLOOR CLEANOUT (FCO) SEE DETAIL 10/P601.
5. PIPING IN CHASE TO BE 72" MINIMUM HEIGHT.
6. VENT UP TO ABOVE.
7. SEE SHEET P101 FOR CONTINUATION.



1 LEVEL 1 ENLARGED PLUMBING PLAN

0 2' - 0" 4' - 0" 8' - 0"

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

WASTE & VENT

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 STATE OF UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Enlarged Waste & Vent Plan

SHEET NUMBER

P402

PLUMBING EQUIPMENT SCHEDULE

WH-1 WATER HEATER: ELECTRIC, PACKAGED TYPE, 74 GALLONS PER HOUR RECOVERY THRU 100°F TEMP. RISE. HEATER SHALL BE 50 GALLON, FACTORY INSULATED HOT WATER STORAGE TANK WITH ASME RATED GLASS LINED TANK. COMPLETE WITH P & T RELIEF VALVE, FACTORY WIRED AND TESTED. UPPER AND LOWER LIMIT OPERATING THERMOSTATS, COMBINATION HIGH AND LOW PRESSURE SAFETY CONTROLS AND ALL CONTROLS FOR AUTOMATIC OPERATION. SET AT 120°F. POWER: 480/3/60, 2 ELEMENTS AT 4500 WATTS EACH. TOTAL FLA @ 480/3/60 = 16.2 A
DIMENSIONS: 47-1/2"H x 22" DIA.
WEIGHT: 140 LBS
MANUFACTURER: BRADFORD WHITE
MODEL: E32-50S-3

CP-1 PUMP: IN-LINE RECIRCULATING, 120 DEG. F. WATER, 2.0 GPM AT 15 FT. HEAD, 1/6 H.P., 120/1/60, 1750 RPM, 3/4" CONNECTIONS. ALL BRONZE CONSTRUCTION.
MANUFACTURER: BELL & GOSSETT
MODEL: SERIES PR

EX-1 EXPANSION TANK: BLADDER TYPE, DOMESTIC 120° HOT WATER, 12.5 GAL. TOTAL VOLUME, 10.0 GALLONS ACCEPTANCE VOLUME. FACTORY AIR CHARGE 55 PSI, 16-1/4" DIA. x 17-1/4" HIGH. COMPLETE WITH STEEL SHELL AND HEAVY DUTY BUTYL DIAPHRAGM.
MANUFACTURER: AMTROL
PUMP: AST-30

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	TEMP. W.	NOTES (1)
WC 1	WATER CLOSET	4"	2"	1"	--	--	WALL MOUNTED - FLUSH VALVE
WC 2	WATER CLOSET	4"	2"	1"	--	--	WALL MOUNTED - FLUSH VALVE (ADA)
WC 3	WATER CLOSET	4"	2"	1"	--	--	FLOOR MOUNTED - SENSOR FLUSH (ADA)
U 1	URINAL	3"	2"	1"	--	--	WALL MOUNTED - SENSOR FLUSH
U 2	URINAL	3"	2"	1"	--	--	WALL MOUNTED - SENSOR FLUSH (ADA)
L 1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	WALL MOUNTED - (ADA) W/ASSE TV-1
S 1	SINK	1-1/2"	1-1/2"	1/2"	1/2"	--	COUNTER MOUNTED
SH 1	SHOWER	--	--	1/2"	1/2"	--	WALL MOUNTED W/ SLIDE BAR (ADA)
SS 1	SERVICE SINK	3"	2"	3/4"	3/4"	--	FLOOR MOUNTED
DF 1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	--	--	WALL MOUNTED - BI-LEVEL WITH BOTTLE FILLER ON LOW SIDE 120/1/60
HB 1	HOSE BIBB	--	--	3/4"	--	--	EXTERIOR NON-FREEZE (2)
HB 2	HOSE BIBB	--	--	3/4"	--	--	INTERIOR WALL BOX (TOILET ROOMS)
TV 1	TEMPERING VALVE	--	--	1/2"	1/2"	1/2"	SINGLE LAV. ASSE 1070 MOUNT UNDER LAVATORY
IMB 1	ICE MAKER BOX	--	--	1/2"	--	--	SEE DETAIL 8/P602
FD 1	FLOOR DRAIN	2"	1-1/2"	--	--	--	W/DEEP SEAL TRAP AND ASSE TRAP GUARD
SD 1	SHOWER DRAIN	2"	2"	--	--	--	W/DEEP SEAL TRAP AND ASSE TRAP GUARD
FS 1	FLOOR SINK	2"	2"	--	--	--	12"x12" PROVIDE GRATE
RD 1	ROOF DRAIN PRIMARY	--	--	--	--	--	SEE PLANS FOR SIZE
RD 2	ROOF DRAIN SECONDARY	--	--	--	--	--	SEE PLANS FOR SIZE
DN 1	DOWN SPOUT NOZZLE	--	--	--	--	--	SEE PLANS FOR SIZE

NOTES:

(1) CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN OR INSTALLATION.
(2) 12" LENGTH. CENTER BASIN IN BLOCK COURSE.

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
URINAL	5	--	1	2	3	6	20
LAVATORY	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
WALL HYDRANT	3	--	1	3	5	10	33
TOTAL FIXTURE UNITS SERVED BY PIPE SIZE		2	6	10	15	30	100

NOTE:
MINIMUM PIPE SIZE TO ANY FIXTURE TO BE 1/2". WHERE PIPE SIZE IS SHOWN ON DRAWINGS, IT SHALL BE FOLLOWED. IN THE EVENT PIPE SIZES ARE NOT SHOWN, THE SIZE OF ANY BRANCH LINE SHALL BE DETERMINED BY USING THIS TABLE. FIND SUM OF TOTAL FIXTURE UNITS ON BRANCH LINE, THEN REDUCE TOTAL BY SUBTRACTING OFF INDIVIDUAL FIXTURE UNITS FOR EACH SUCCESSIVE FIXTURE ALONG THE BRANCH LINE.

PLUMBING PIPING LEGEND

DESCRIPTION	SYMBOL
WASTE (BELOW GRADE)	
VENT	
COLD WATER	
HOT WATER (120 DEG.F.)	
HOT WATER RECIRCULATING (120 DEG.F.)	
TEMPERED WATER	T
GAS 4 OUNCE)	G 4oz
GAS (5LB)	G 5#
DRAIN	D
PRIMARY ROOF DRAIN	RD
SECONDARY ROOF DRAIN	SRD

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER LICENSED #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

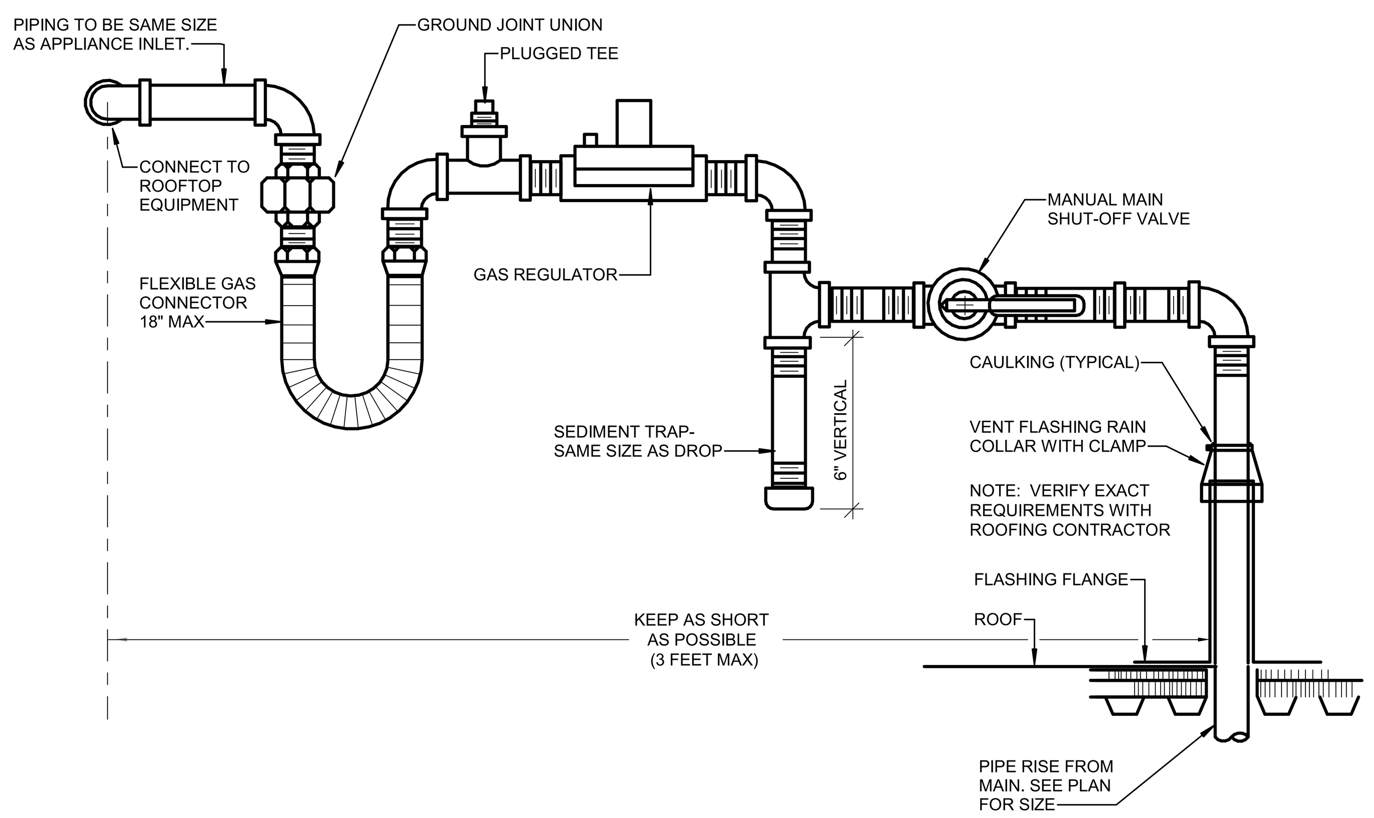
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Plumbing Schedules

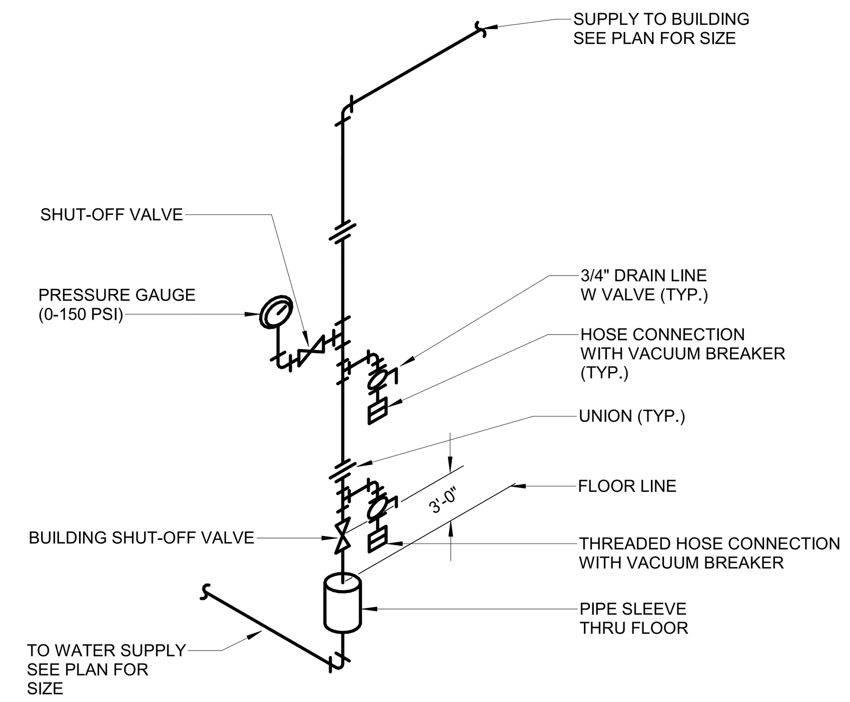
SHEET NUMBER

P501



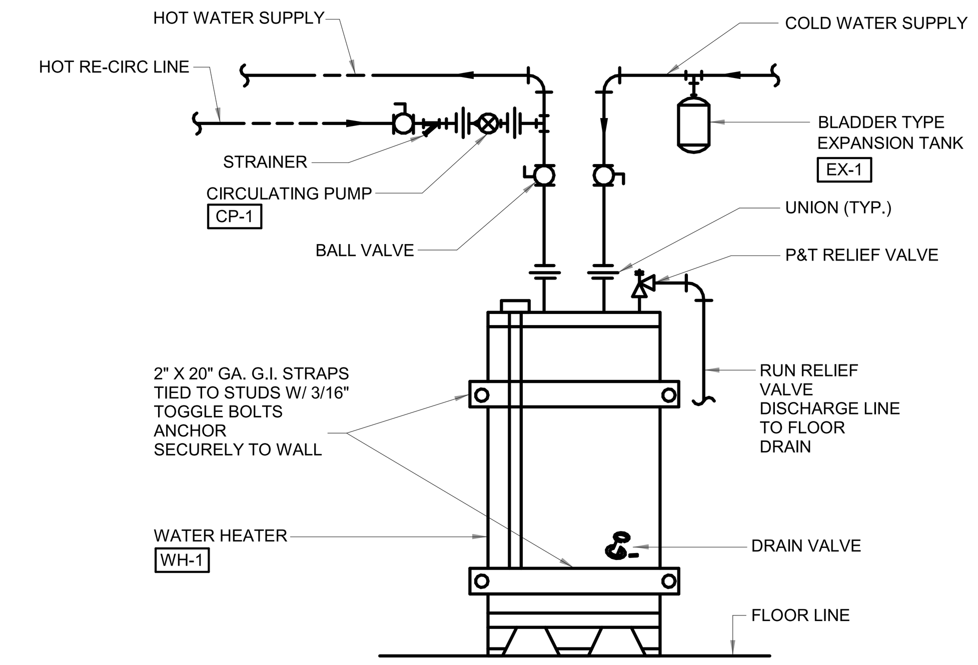
ROOFTOP GAS LINE CONNECTION DETAIL 7 P601

SCALE: NTS



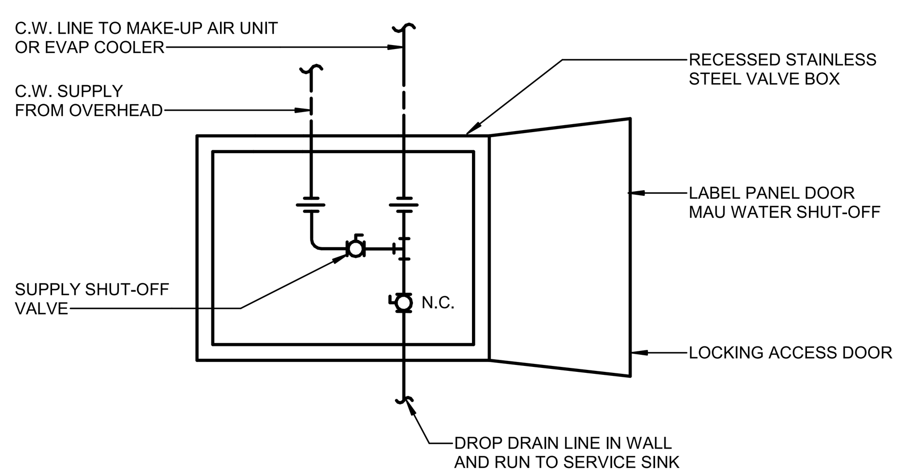
BUILDING WATER CONTROL VALVE 4 P601

SCALE: NTS



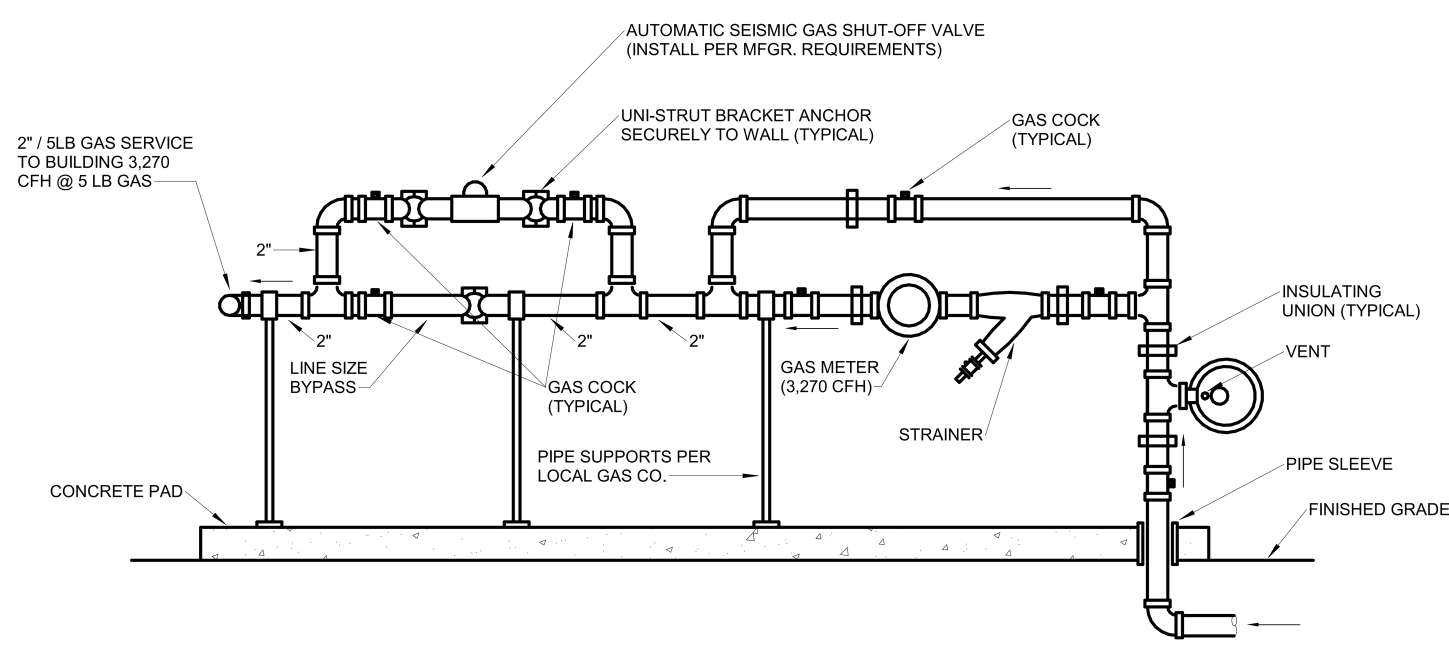
ELECTRIC WATER HEATER PIPING DETAIL 1 P601

SCALE: NTS



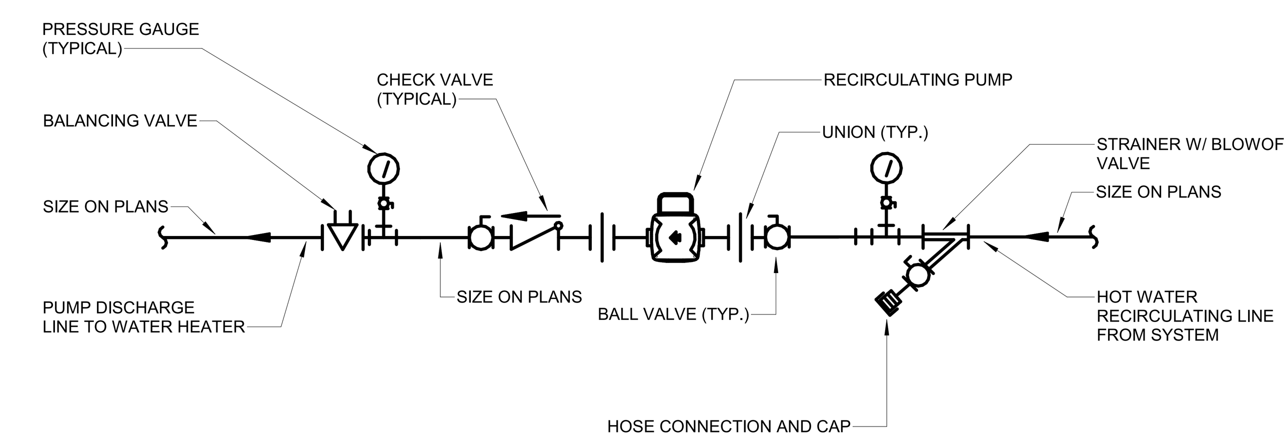
M.A.U. OR EVAP COOLER WATER SUPPLY & DRAIN DETAIL 8 P601

SCALE: NTS



GAS METER SERVICE CONNECTION DETAIL 5 P601

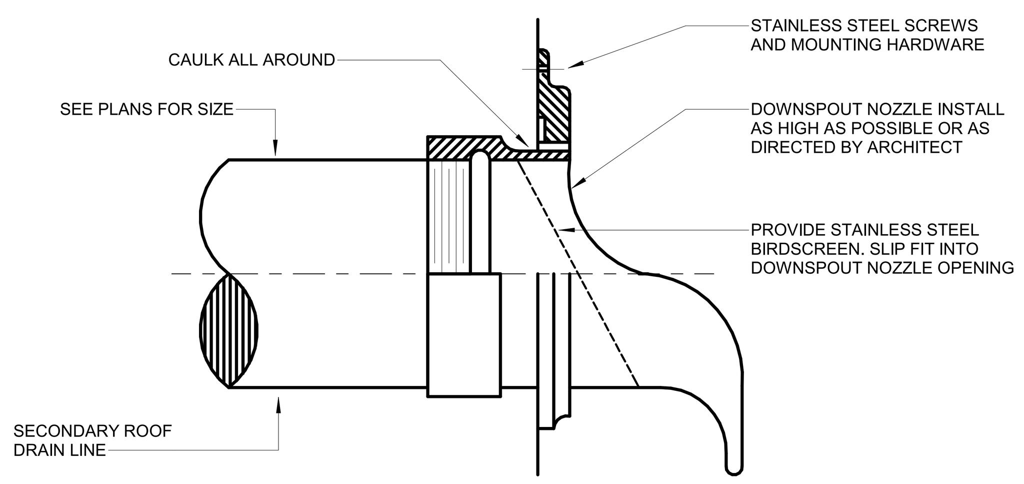
SCALE: NTS



MOUNT ASSEMBLY AT 60" ABOVE FINISHED FLOOR

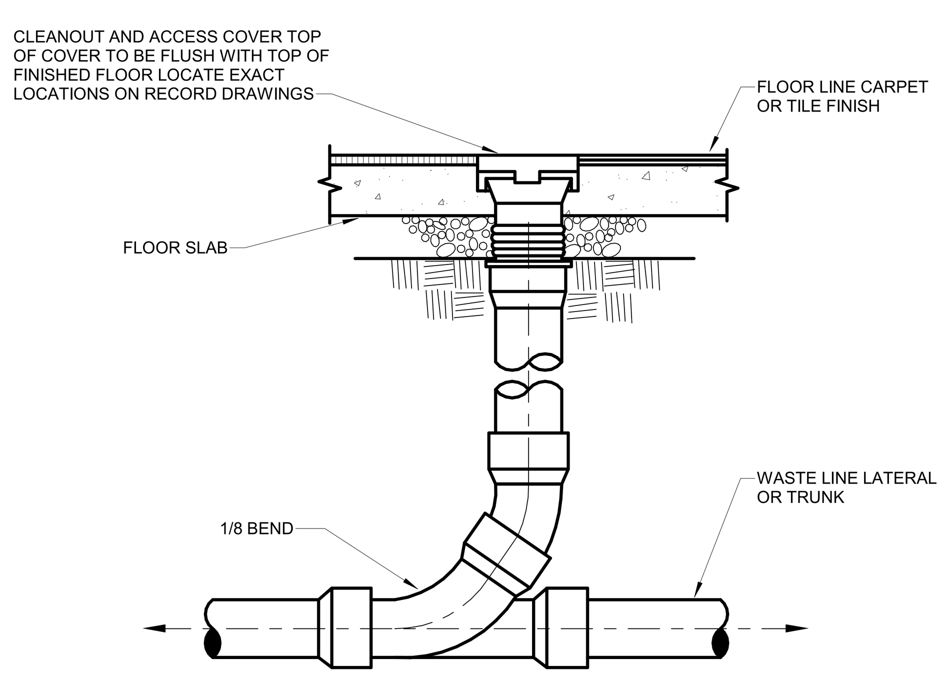
CIRCULATING PUMP DETAIL 2 P601

SCALE: NTS



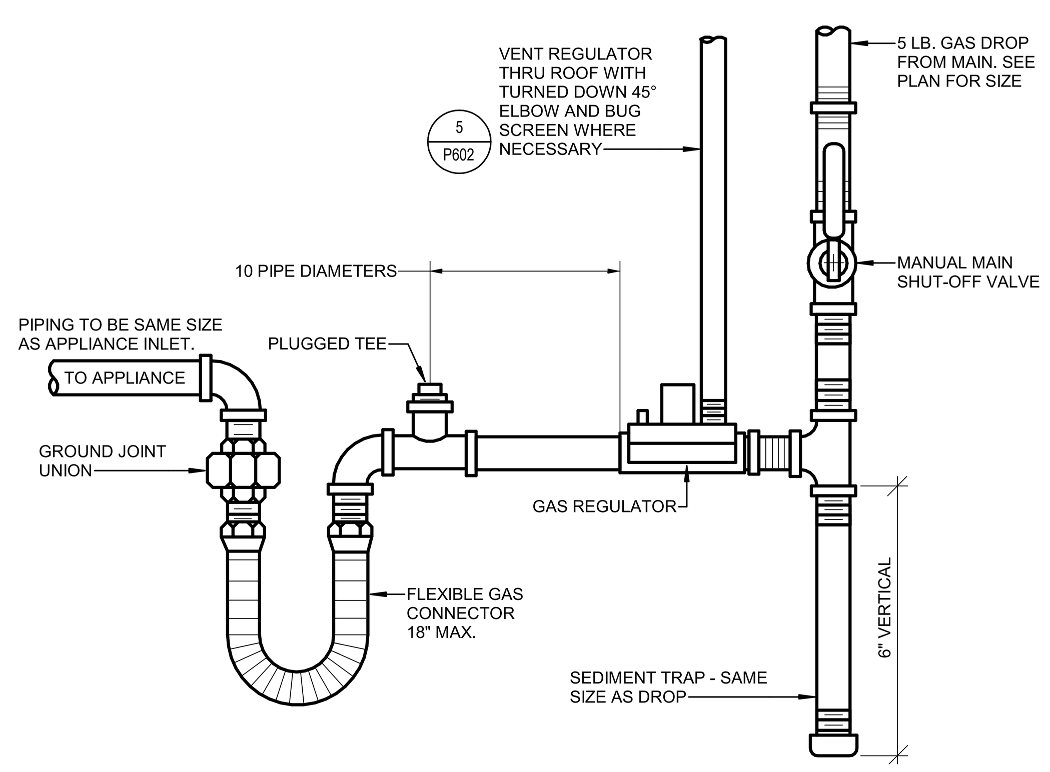
DOWNSPOUT NOZZLE DETAIL 9 P601

SCALE: NTS



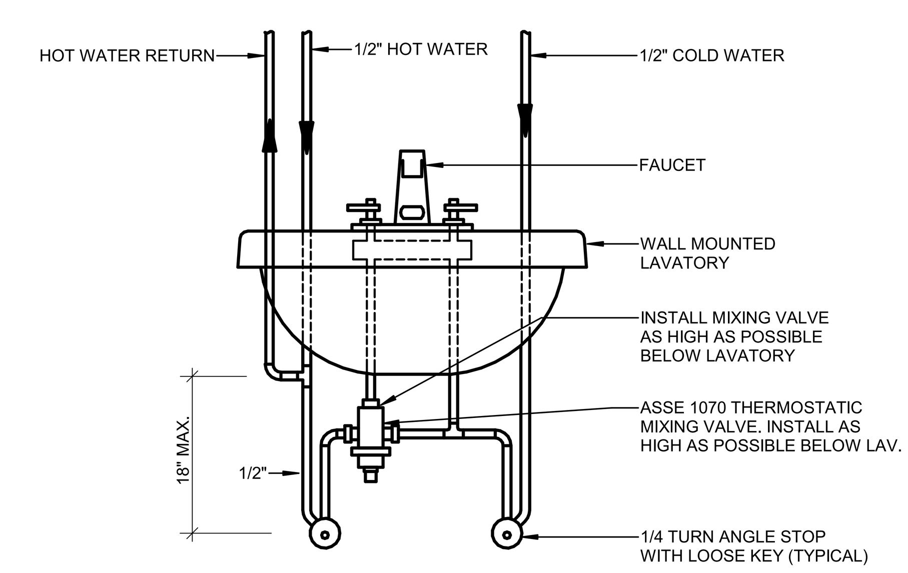
FLOOR CLEANOUT DETAIL 10 P601

SCALE: NTS



TYPICAL GAS CONNECTION TO EQUIPMENT 6 P601

SCALE: NTS



PUBLIC LAVATORY HANDWASH SINK PIPING DETAIL 3 P601

SCALE: NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 STATE OF UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: KJM
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

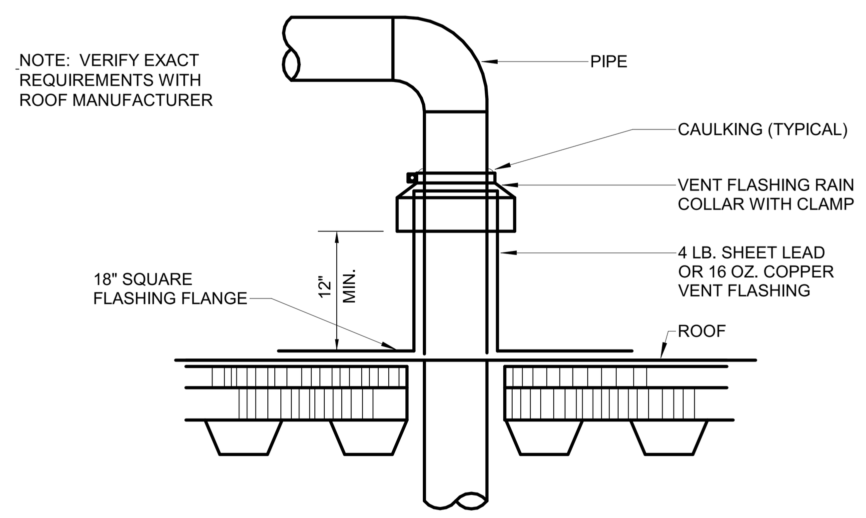
Plumbing Details

SHEET NUMBER

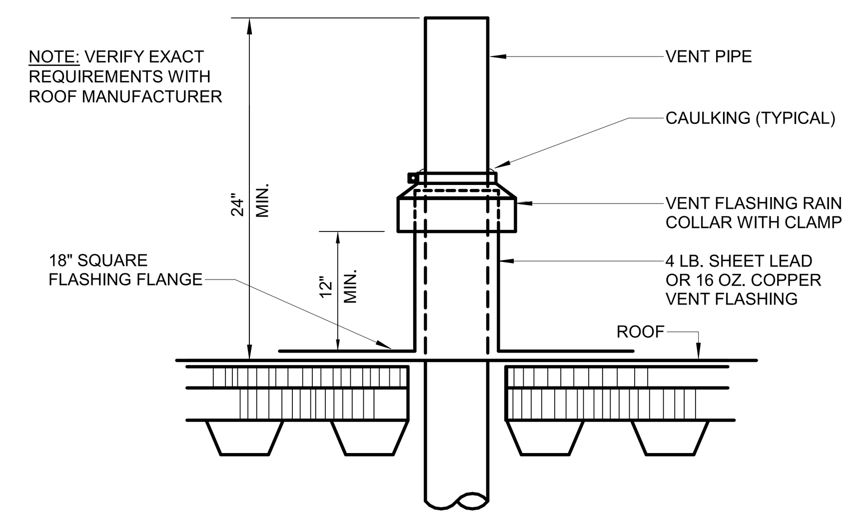
P601

1 2 3 4 5 6 7

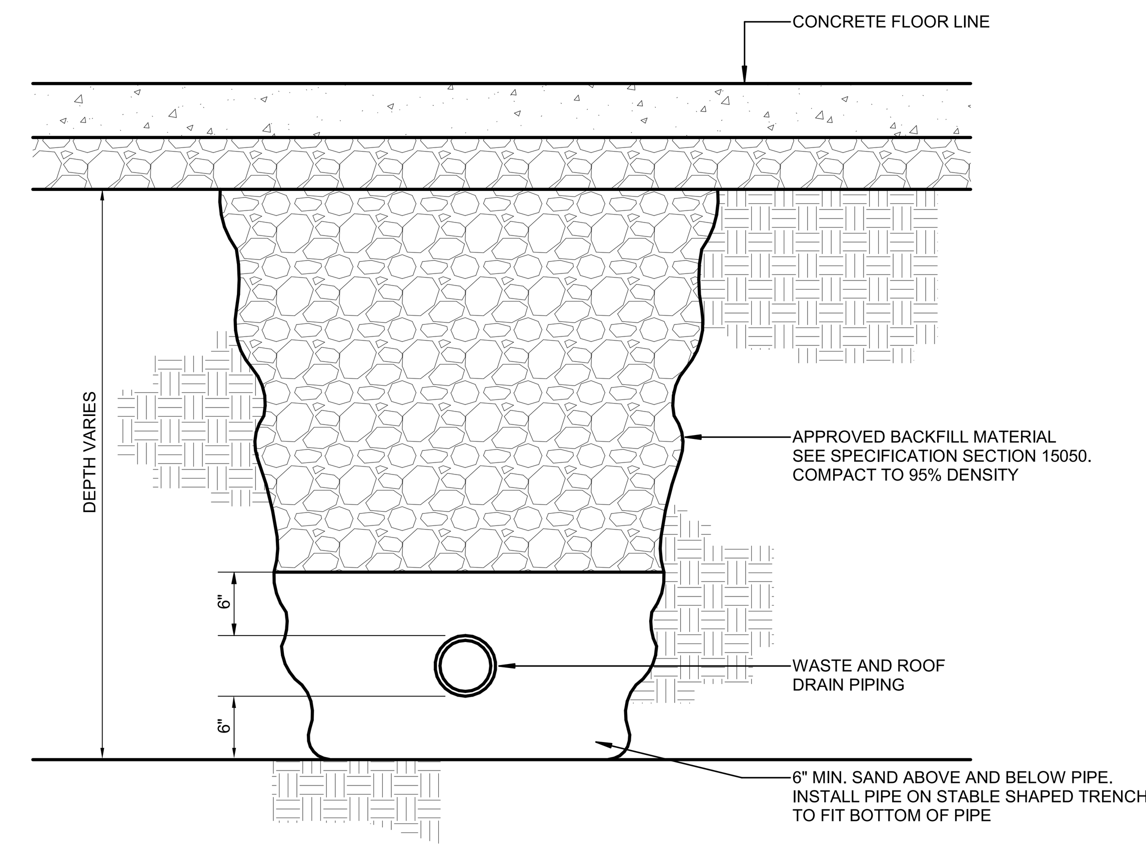
A B C D E



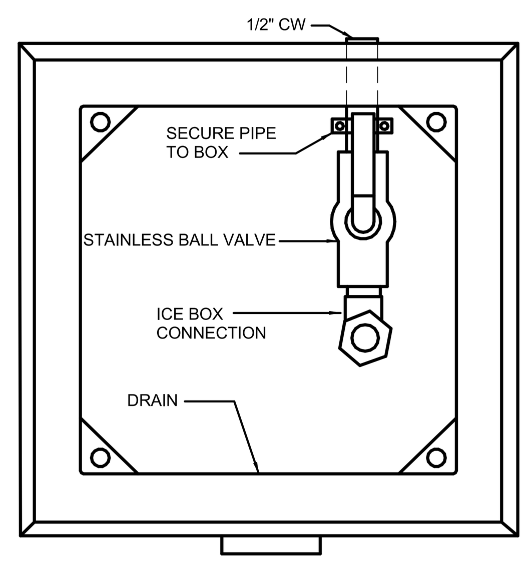
PIPE THRU ROOF PENETRATION DETAIL
7 P602
SCALE: NTS



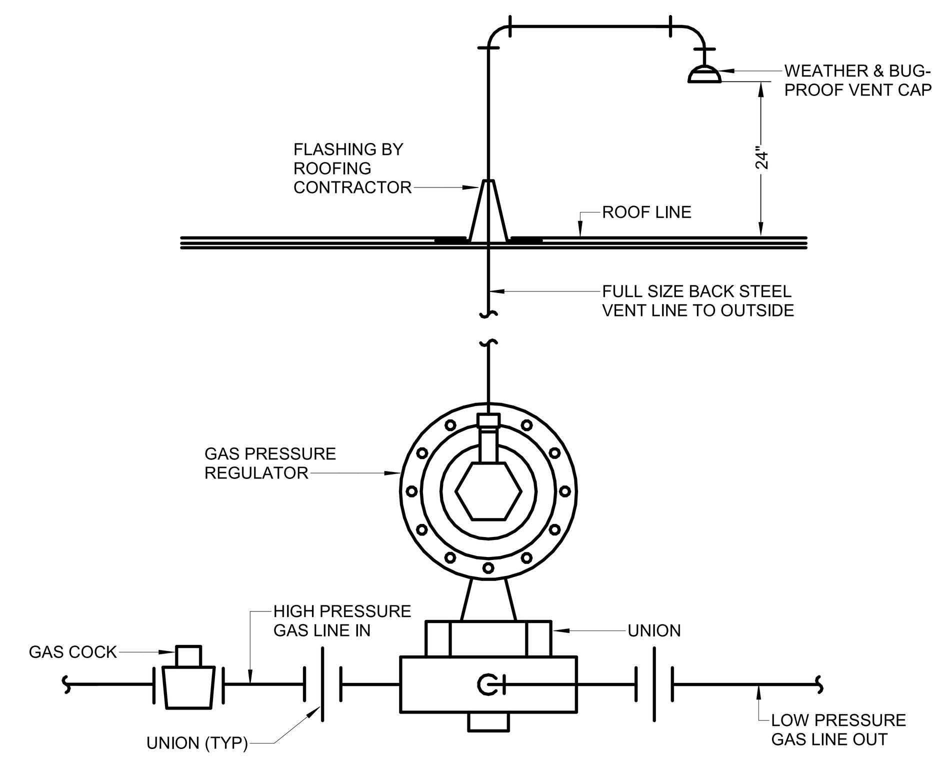
VENT THRU ROOF DETAIL
4 P602
SCALE: NTS



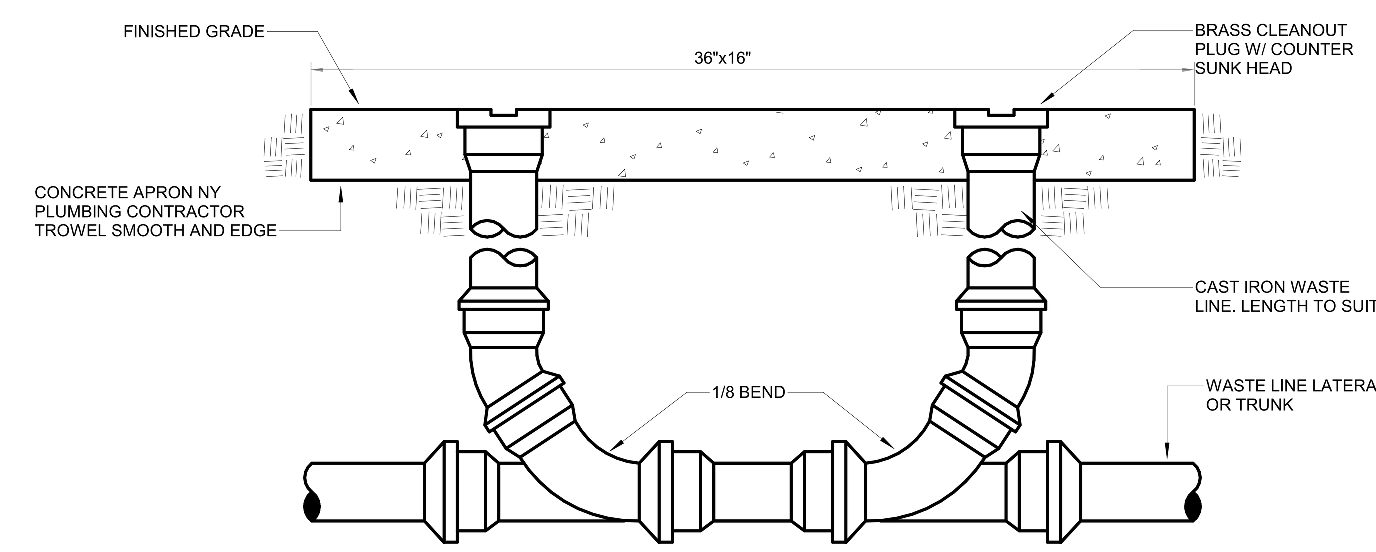
TYPICAL WASTE & ROOF DRAIN TRENCH DETAIL
1 P602
SCALE: NTS



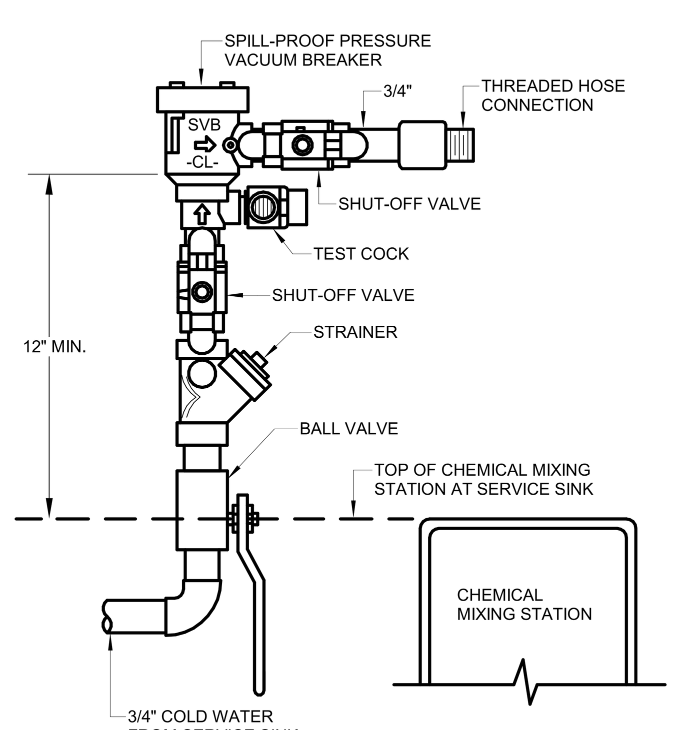
ICE MAKER BOX PIPING DETAIL
8 P602
SCALE: NTS



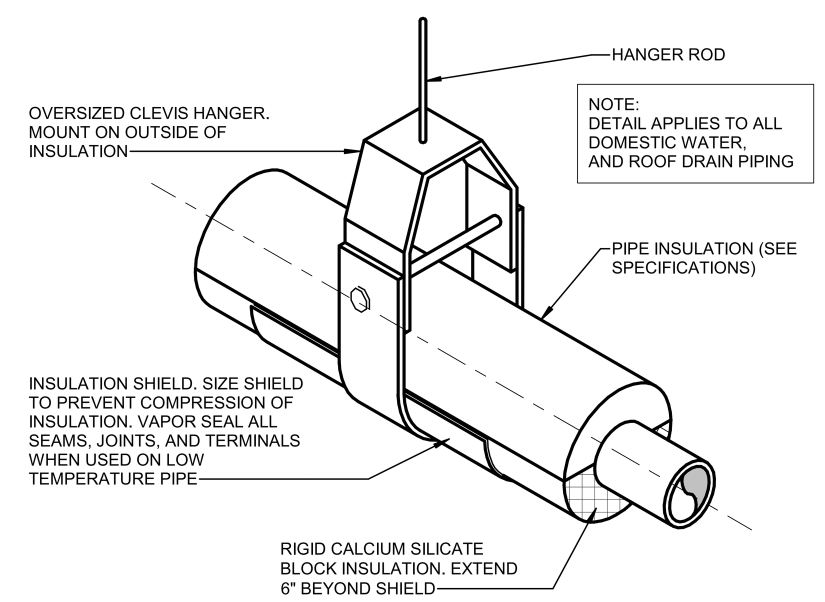
GAS PRESSURE REGULATOR DETAIL
5 P602
SCALE: NTS



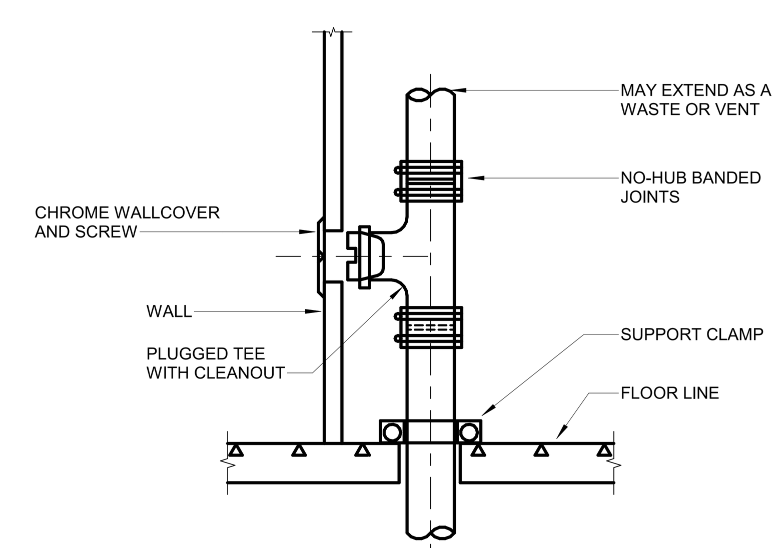
DOUBLE CLEANOUT TO GRADE DETAIL
2 P602
SCALE: NTS



SPILL-PROOF VACUUM BREAKER AT SS-1 DETAIL
9 P602
SCALE: NTS



PIPE SUPPORT DETAIL (PLUMBING)
6 P602
SCALE: NTS



WALL CLEANOUT DETAIL
3 P602
SCALE: NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 STATE OF UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

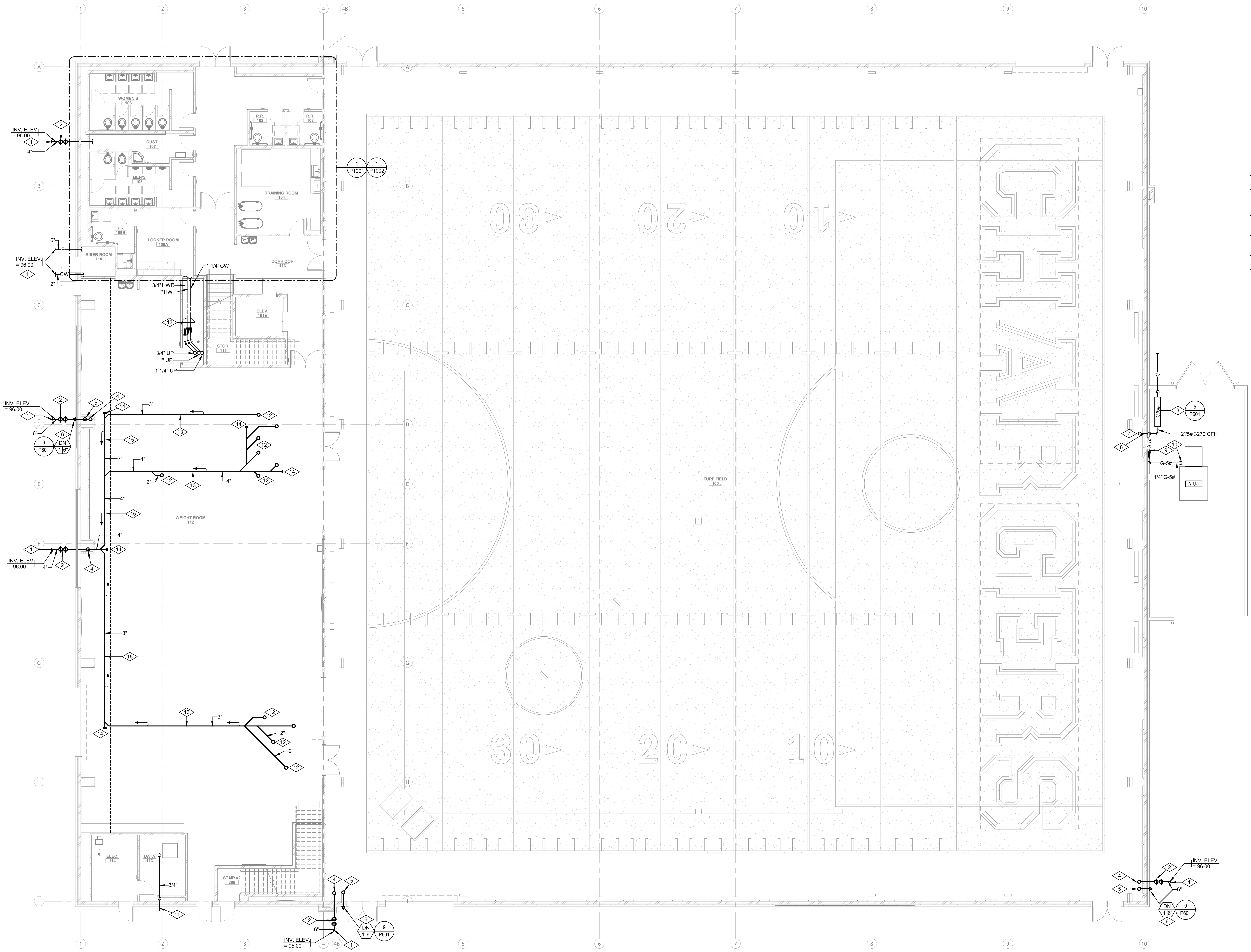
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Plumbing Details

SHEET NUMBER

P602



LEVEL 1 ALTERNATE - OVERALL PLUMBING PLAN

0 4'-0" 8'-0" 16'-0"

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

REFERENCE NOTES

1. TERMINATE PIPING 5'-0" BEYOND BUILDING LINE. DIVISION 22 TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE EXACT LOCATION & INVERT WITH SITE UTILITY CONTRACTOR.
2. DOUBLE CLEANOUT TO GRADE. SEE DETAIL 2/P602
3. GAS METER. COORDINATE WITH DOMINION ENERGY.
4. PRIMARY ROOF DRAIN DOWN FROM ABOVE TO BELOW FLOOR.
5. SECONDARY ROOF DRAIN DOWN FROM ABOVE TO 30" ABOVE GRADE.
6. MOUNT D.N. 1 AT 30" ABOVE GRADE. COORDINATE WITH WALL TYPE.
7. 1 1/4" 5 LB GAS UP TO ABOVE. (1720 CFH)
8. GAS FROM METER THRU BUILDING WALL SEAL WATERTIGHT.
9. RUN TIGHT AT WALL.
10. 1 1/4" 5 LB GAS TO ATU-1. SEE DETAIL 6/P601
11. PIPE 3/4" CONDENSATE FROM AC-1 DOWN AT WALL & DISCHARGE THRU EXTERIOR WALL AT 32" ABOVE GRADE IN TURNED DOWN ELBOW.
12. WASTE TO SERVE FIXTURES ABOVE. (TYPICAL) SEE SHEET P902.
13. PIPING TO RUN ABOVE CEILING HIGH & TIGHT TO STRUCTURE. COORDINATE WITH ALL TRADES. (TYPICAL)
14. CLEANOUT. (TYPICAL)
15. WASTE TO RUN IN ARCHITECTURAL SOFFIT. COORDINATE WITH STRUCTURE AND ALL TRADES.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 STATE OF UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

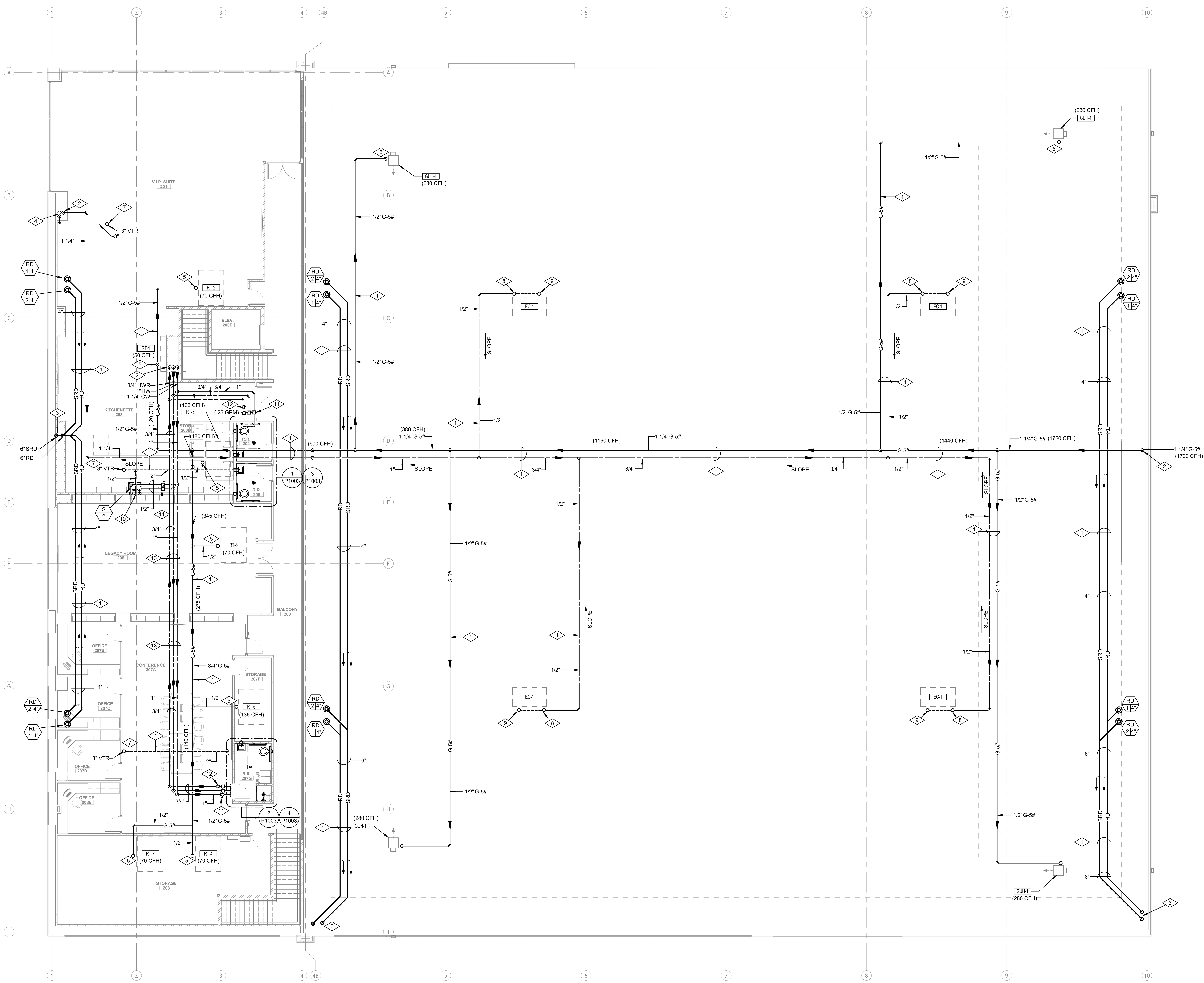
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Alternate Plumbing Plan

SHEET NUMBER

P901



LEVEL 2 ALTERNATE - OVERALL PLUMBING PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1 PIPING TO RUN HIGH & TIGHT AT STRUCTURE.. COORDINATE WITH STRUTURE & ALL TRADES.

2 PIPING UP FROM BELOW.

3 PIPING DOWN TO BELOW.

4 FIRE LINE UP FROM BELOW. SEE FP101

5 GAS UP THRU ROOF TO EQUIPMENT. COORDINATE LOCATION WITH EQUIPMENT PROVIDED. SEE DETAIL 7/P601

6 GAS TO UNIT HEATER. SEE DETAIL 6/P601

7 VENT THRU ROOF. (VTR) SEE DETAIL 4/P602.

8 WATER UP THRU ROOF TO EC-1. COORDINATE LOCATION WITH UNIT PROVIDED. SEE DETAILS 7/P602, 1/M603.

9 WATER RUNS ON ROOF TO EC-1 WATER CONNECTIONS. COORDINATE WITH UNIT PROVIDED. PROVIDE DRAIN VALVE & SUPPORT PIPING.

10 WATERS UP, WASTE DOWN. SEE P901.

11 BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.

12 CIRCUIT SETTER ON HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN.

13 PIPING TO RUN ABOVE CEILING HIGH & TIGHT TO STRUCTURE. COORDINATE WITH ALL TRADES. (TYPICAL)

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 2 Alternate Plumbing Plan

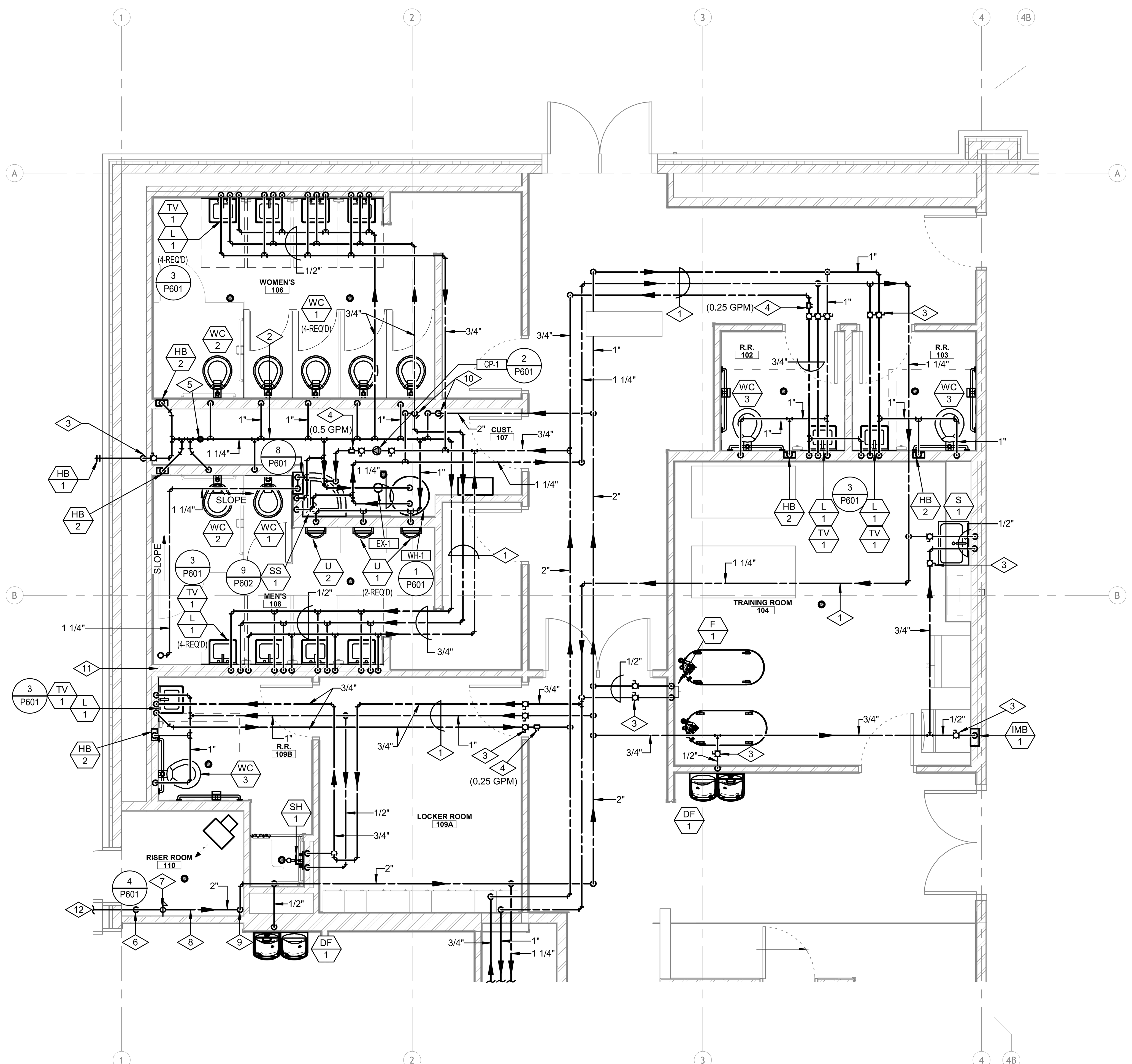
SHEET NUMBER

P902

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:30:57 AM

REFERENCE NOTES

1. PIPING TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
2. PIPE TO BE AT 72" MINIMUM HEIGHT IN CHASE.
3. LINE SIZE BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.
4. CIRCUIT SETTER IN HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN. CIRCUIT SETTER MUST BE ACCESSIBLE.
5. WATER HAMMER ARRESTOR.
6. PIPE UP THRU FLOOR TO PRV.
7. MAIN WATER PRESSURE REDUCING STATION. COORDINATE WITH FIRE RISER.
8. PIPING RUNS EXPOSED.
9. RISE UP TO RUN HIGH.
10. BALL VALVES AT 72" FOR TOILET ROOMS.
11. 1 1/4" WATER UP TO ABOVE.
12. SEE P101 FOR CONTINUATION.



1 LEVEL 1 ALTERNATE - ENLARGED PLUMBING PLAN

WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Alternate Enlarged Plumbing Plan

SHEET NUMBER

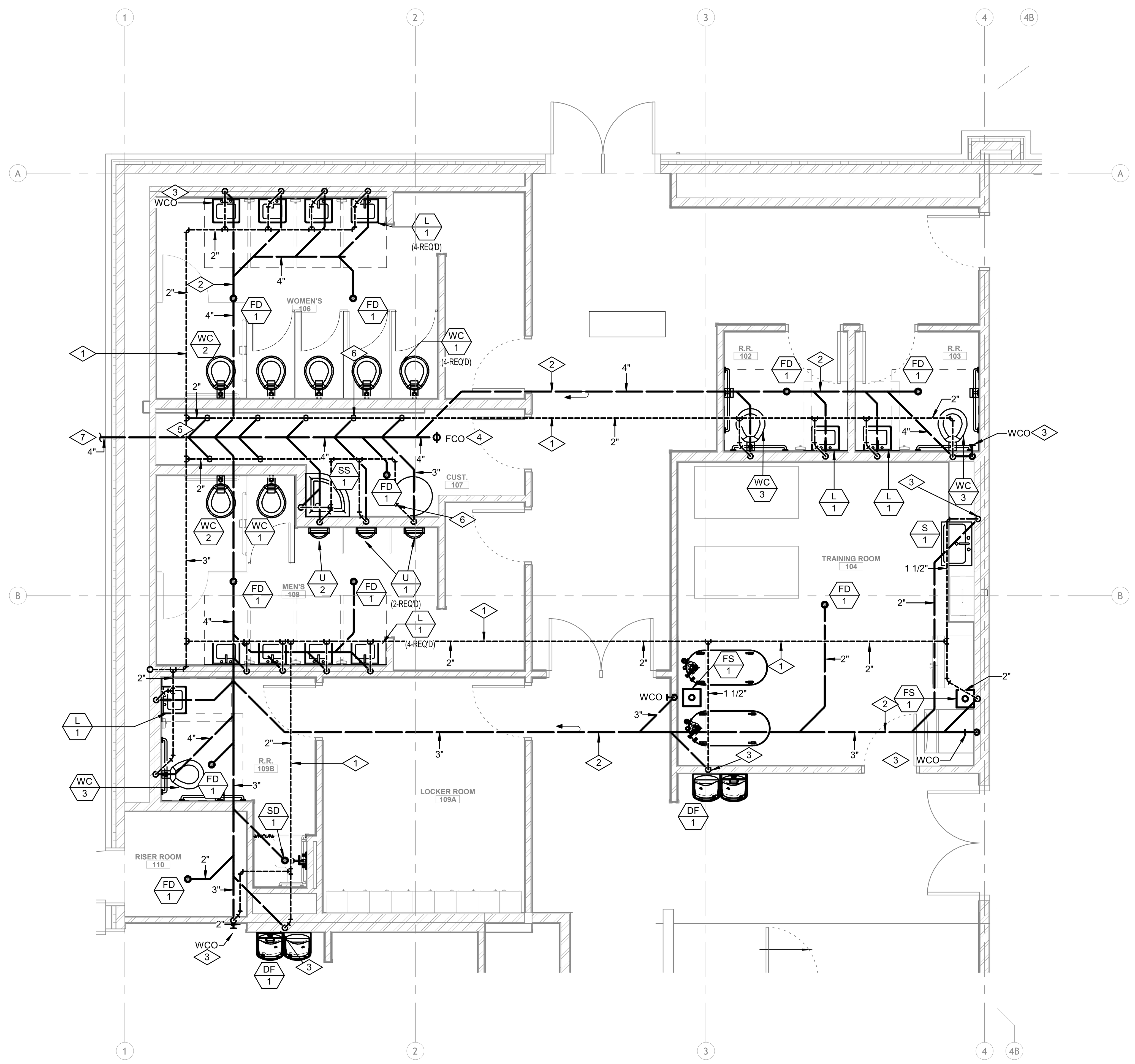
P1001

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:31:00 AM

1	2	3	4	5	6	7

REFERENCE NOTES

1. PIPING TO RUN ABOVE CEILING (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
2. PIPING TO RUN BELOW FLOOR. (TYPICAL)
3. WALLCLEANOUT (WCO) SEE DETAIL 3/P602.
4. FLOOR CLEANOUT (FCO) SEE DETAIL 10/P601.
5. WATER HAMMER ARRESTOR.
6. PIPING IN CHASE TO BE 72" MINIMUM HEIGHT.
7. SEE SHEET P901 FOR CONTINUATION.



1 LEVEL 1 ALTERNATE - ENLARGED PLUMBING PLAN

WASTE & VENT

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES AUSTIN BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Alternate Enlarged Waste & Vent Plan

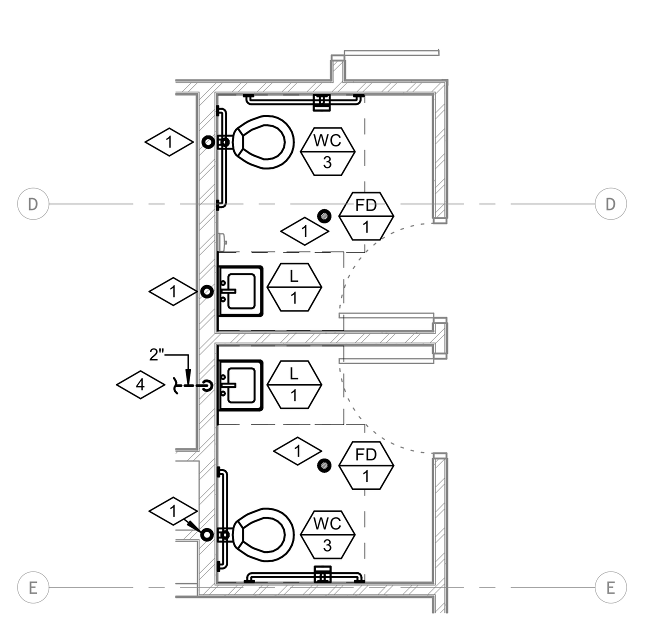
SHEET NUMBER

P1002

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:31:03 AM

REFERENCE NOTES

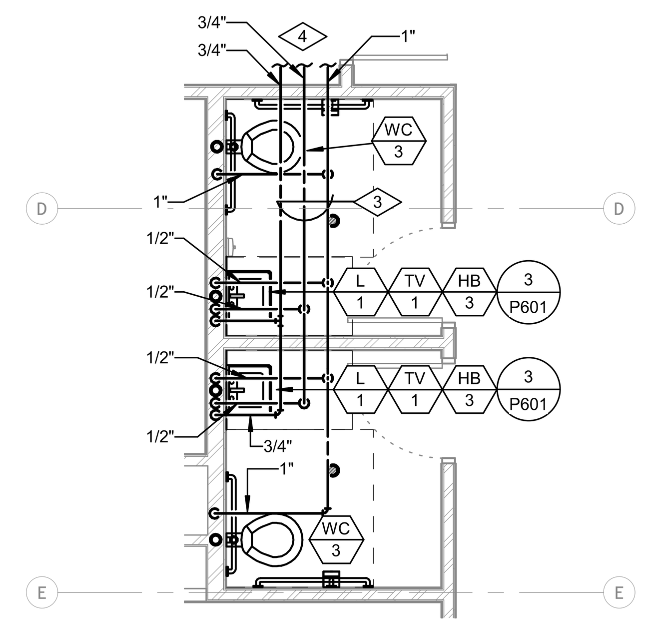
1. WASTE DOWN TO BELOW. SEE P901
2. PIPING UP TO ABOVE CEILING.
3. PIPING TO RUN ABOVE CEILING.
4. SEE SHEET P902 FOR CONTINUATION.



3 LEVEL 2 ALTERNATE - R.R. 205 ENLARGED PLUMBING PLAN

WASTE & VENT

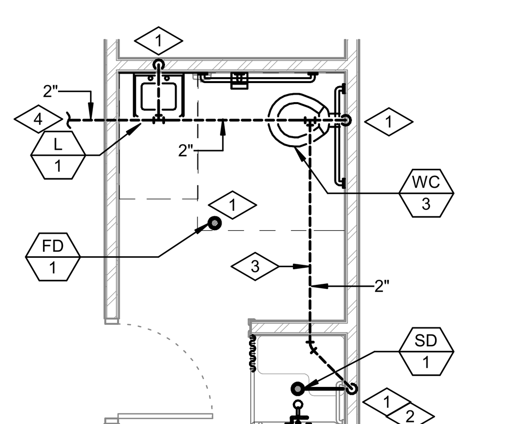
SCALE: 1/4" = 1'-0"



1 LEVEL 2 ALTERNATE - R.R. 205 ENLARGED PLUMBING PLAN

WATER SUPPLY

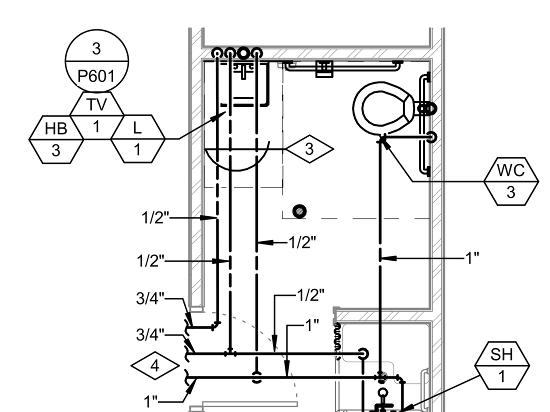
SCALE: 1/4" = 1'-0"



4 LEVEL 2 ALTERNATE - R.R. 207G ENLARGED PLUMBING PLAN

WASTE & VENT

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



2 LEVEL 2 ALTERNATE - R.R. 207G ENLARGED PLUMBING PLAN

WATER SUPPLY

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

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

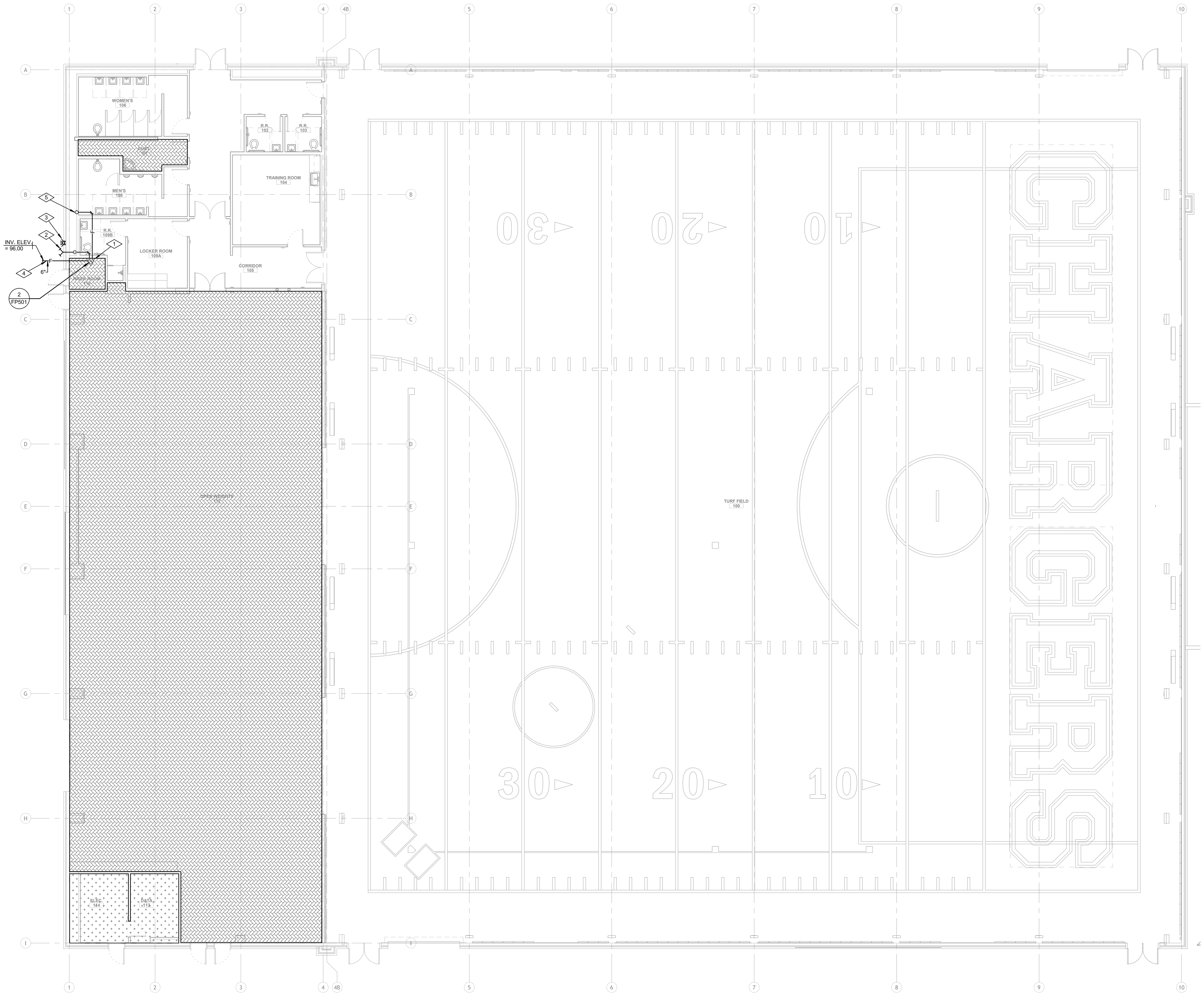
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 2 Alternate Enlarged Plumbing Plans

SHEET NUMBER

P1003



LEVEL 1 OVERALL FIRE PROTECTION PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. FIRE RISER. SEE DETAIL 2/FP501.
2. SIAMESE FIRE DEPARTMENT CONNECTION.PROVIDE BRASS CAPS PAINTED RED.
3. HORN / STROBE.
4. COORDINATE FINAL CONNECTION TO SITE UTILITIES.
5. RISE TO 2ND LEVEL.

FIRE PROTECTION LEGEND

NO MARK
- LIGHT HAZARD
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE

- LIGHT HAZARD
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

- ORDINARY HAZARD, GROUP 1
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILINGF)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

FIRE SPRINKLER RISER

SPRINKLER ALARM BELL

WALL MOUNTED SIAMESE FIRE DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMNTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES
AUSTIN
BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

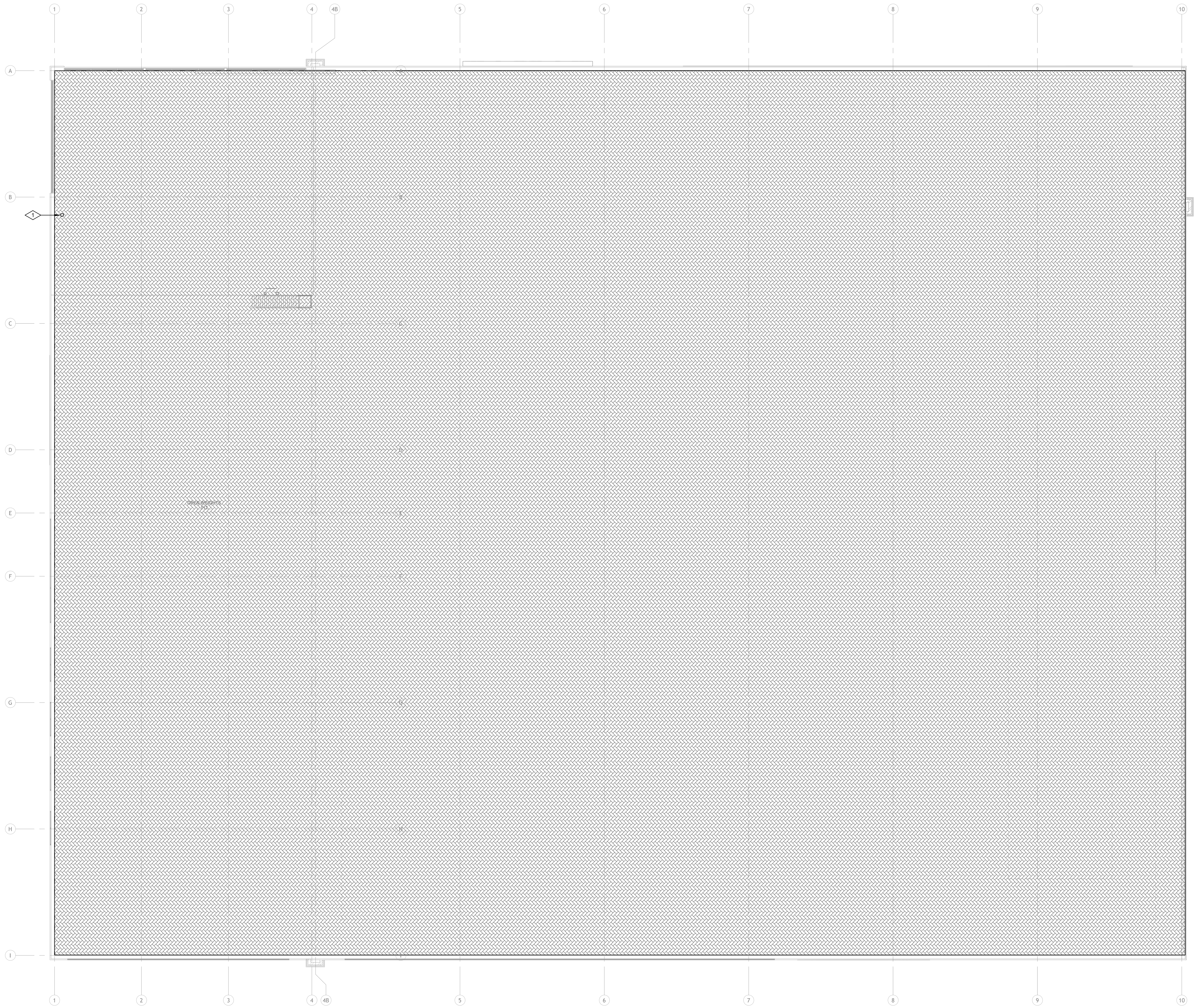
SHEET TITLE

Level 1 Fire Protection Plan

SHEET NUMBER

FP101

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/M23 - CCHS Fieldhouse & Soccer Field.rvt
9/12/2024 10:31:06 AM



LEVEL 2 OVERALL FIRE PROTECTION PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1 MAIN UP FROM LEVEL 1.

FIRE PROTECTION LEGEND

NO MARK
- LIGHT HAZARD
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE

- LIGHT HAZARD
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

- ORDINARY HAZARD, GROUP 1
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILINGF)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

FIRE SPRINKLER RISER

SPRINKLER ALARM BELL

WALL MOUNTED SIAMESE
FIRE
DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMNTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES
AUSTIN
BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS
SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

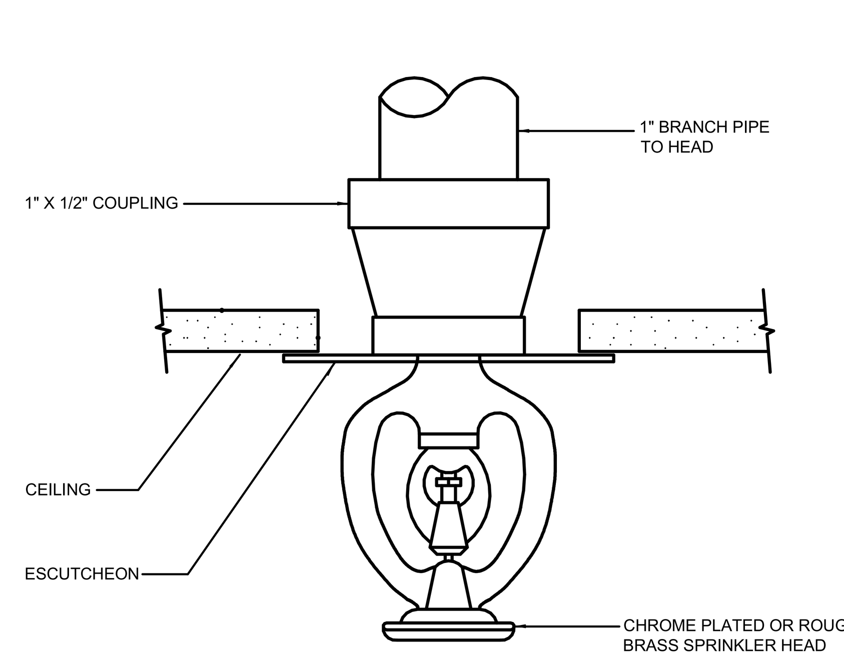
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

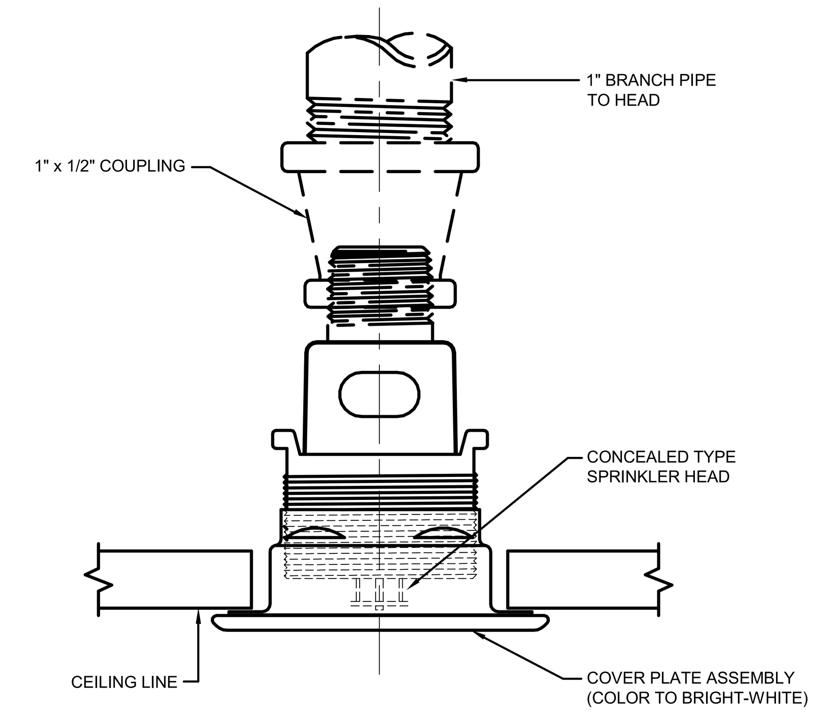
Level 2 Fire Protection Plan

SHEET NUMBER

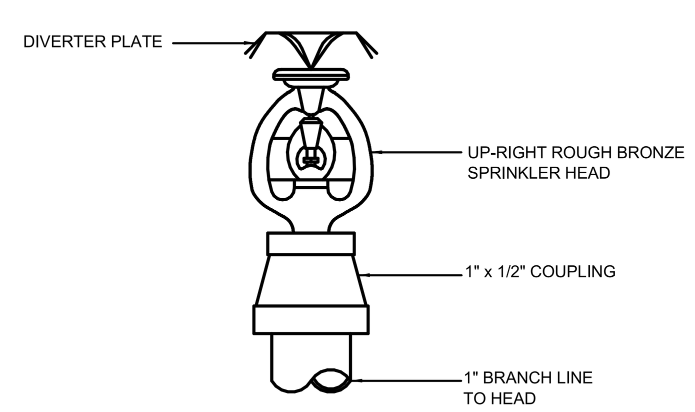
FP102



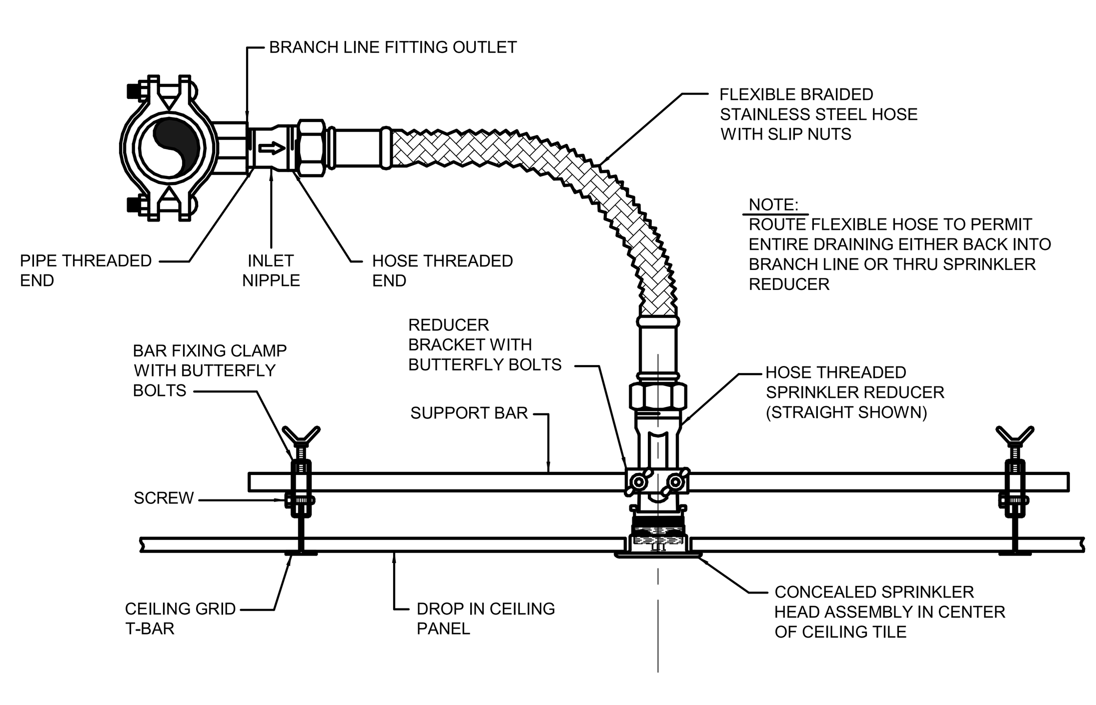
SPRINKLER HEAD DETAIL 3 FP501
NOT TO SCALE



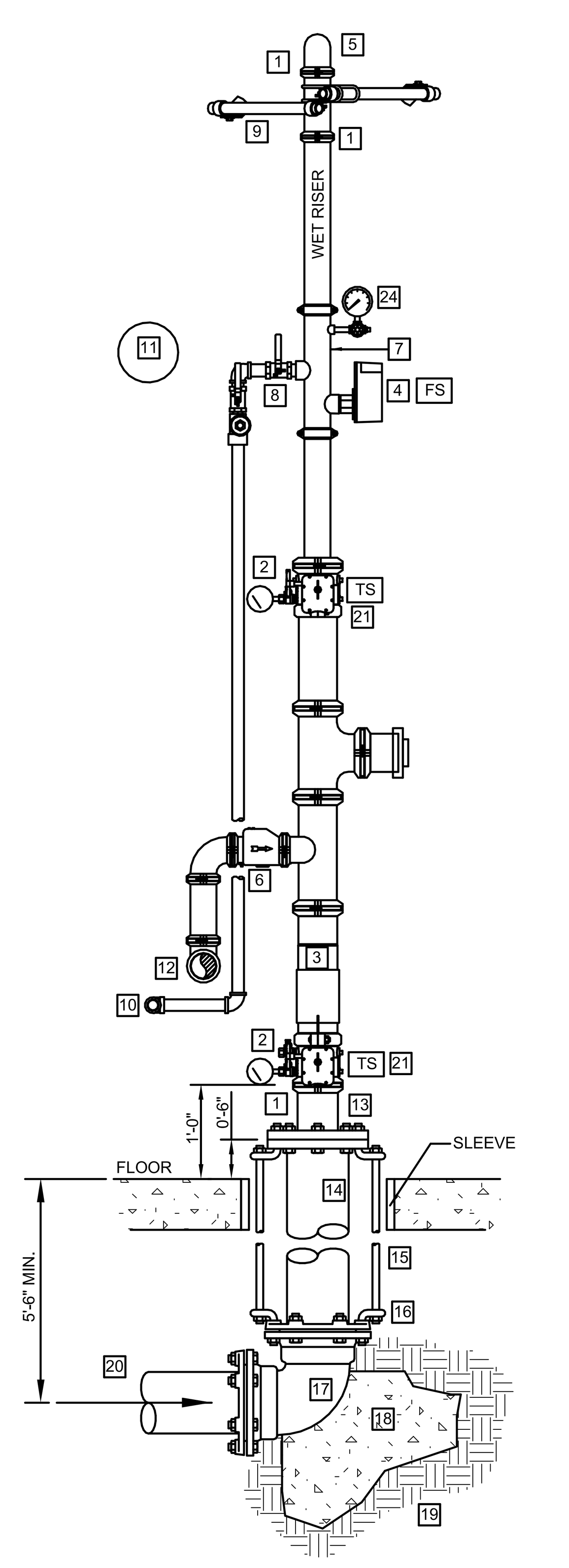
FLUSH SPRINKLER HEAD DETAIL 1 FP501
NOT TO SCALE



UPRIGHT ROUGH BRONZE, WHITE OR CHROME SPRINKLER HEAD DETAIL 4 FP501
NOT TO SCALE



SPRINKLER HOSE DETAIL 5 FP501
NOT TO SCALE



FIRE SPRINKLER RISER DETAIL 2 FP501
NOT TO SCALE

RISER DETAIL NOTES

1. USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS REQUIRED. SEE NOTE #12.
2. GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH
3. DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES
4. VANE TYPE WATER FLOW SWITCH
5. SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM
6. SWING CHECK VALVE
7. RISER MANIFOLD - INCLUDES PRESSURE GAUGE, FLOW SWITCH, AND TEST AND MAIN DRAIN DEVICE.
8. TEST & MAIN DRAIN DEVICE - PIPE TO OUTSIDE.
9. SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F. SEE DESIGN CRITERIA SCHEDULE ON SHEET S001.
10. PIPE TO DRAIN OUTSIDE
11. WEATHERPROOF ELECTRIC HORN AND STROBE (OUTSIDE)
12. OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING- PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED.
13. GALVANIZED FLANGE AND SPOOL PIECE
14. CLASS 53 D.I. FLANGED SPIGOT
15. 3/4" A.T.R.
16. 3/4" BENT EYE BOLT
17. MECHANICAL JOINT 90° ELL
18. CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
19. UNDISTURBED EARTH
20. IN FROM SUPPLY
21. WIRING FOR ELECTRIC ALARM - BY ELECTRICIAN TO FIRE ALARM.

NOTE:
PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND AND RESTRAIN FLANGE SPIGOT.

GENERAL FIRE PROTECTION NOTES

1. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ELECTRICAL, SHEET METAL, PLUMBING, AND CEILING CONTRACTORS TO AVOID ANY CONFLICTS IN PIPE ROUTING OR HEAD LOCATIONS.
2. RUN SPRINKLING PIPING AS HIGH AS POSSIBLE IN JOIST SPACE ABOVE CEILING AND COORDINATE WITH DUCTWORK.
3. FIRE SPRINKLER PLANS SHALL BE APPROVED BY ALL GOVERNING AGENCIES PRIOR TO SUBMITTING PLANS TO THE ARCHITECT.
4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE COMPLETE FIRE SPRINKLER SYSTEMS, INCLUDING ALL ITEMS AS REQUIRED OR RECOMMENDED BY ALL GOVERNING AGENCIES.
5. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH N.F.P.A. 13, AND ALL GOVERNING AGENCIES.
6. PIPE SLEEVES THROUGH FIRE-RATED WALLS, PARTITIONS, AND CEILINGS SHALL BE OF FIRE RATED CONSTRUCTION. SPACE BETWEEN PIPE AND SLEEVE SHALL BE PACKED WITH FIREPROOF MATERIAL, U.L. LISTED. (FIRE SHIELDS, INC. MODEL DFB-CS)
7. FIRE SPRINKLER HEADS IN INDIVIDUAL ROOMS TO BE RUN IN STRAIGHT LINES AND COORDINATED WITH CEILING AND LIGHTS.
8. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS LOCATION OF PIPING VERY CAREFULLY WITH THE ARCHITECTURAL AND STRUCTURAL PLANS AND AS APPROVED BY THE ARCHITECT.
9. HEAD GUARDS TO BE PROVIDED IN ACCORDANCE WITH N.F.P.A.
10. FIRE SPRINKLER TEST VALVES TO BE LOCATED IN AREAS CONVENIENT TO MAINTENANCE PERSONNEL, BUT AWAY FROM PUBLIC ACCESS.
11. THE UTAH STATE FIRE MARSHALS OFFICE SHALL BE NOTIFIED (IN WRITING) AT LEAST THREE DAYS IN ADVANCE OF THE FOLLOWING:
    A. HYDROSTATIC TEST AND FINAL INSPECTION OF OVERHEAD SYSTEMS PRIOR TO INSTALLATION OF CEILINGS.
    B. FLUSHING OF UNDERGROUND PRIOR TO CONNECTION OF OVERHEAD.
    C. HYDROSTATIC TEST AND FINAL INSPECTION OF UNDERGROUND PRIOR TO BACKFILLING.
12. CONTRACTOR SHALL FIELD VERIFY ALL PIPE LOCATIONS PRIOR TO FABRICATION OF PIPE SYSTEMS.
13. FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC ONLY.
14. FIRE PROTECTION CONTRACTOR SHALL COORDINATE ROUTING, HANGING AND BRACING WITH ROOF STRUCTURE. ALL FIRE SPRINKLER PIPING SHALL COMPLY WITH THE FOLLOWING.
    A. ALL PIPING CONCENTRATED LOADS GREATER THAN 100 POUNDS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6 INCHES OF JOIST OR GIRDER PANEL POINTS OR THE JOIST OR GIRDER SHALL BE REINFORCED WITH AN ADDITIONAL WEB MEMBER. REFER TO GENERAL STRUCTURAL NOTES AND THE "TYPICAL DETAIL AT ADDITIONAL CONCENTRATED POINT LOAD" ON THE STRUCTURAL DRAWINGS.
    B. CONCENTRATED POINT LOADS, SINGLE OR MULTIPLE, TOTALING 100 POUNDS OR LESS CAN BE LOCATED AT ANY POINT ALONG THE BOTTOM CHORD OF AN OPEN WEB JOIST OR GIRDER BETWEEN ADJACENT PANEL POINTS WITHOUT MEETING THE REQUIREMENTS ABOVE. A LIMIT OF (4) CONCENTRATED 100# MAXIMUM POINT LOADS PER JOIST OR GIRDER SHALL BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
    C. JOIST BRIDGING SHALL NEVER BE USED TO SUPPORT HANGING LOADS.
    D. BRACING OF FIRE SPRINKLER PIPING TO THE BOTTOM CHORD OF JOISTS OR GIRDERS WILL NOT BE ALLOWED IN ANY INSTANCE. ALL LATERAL BRACES MUST CONNECT CONNECT TO THE TOP FLANGE/TOP CHORD OF THE FRAMING MEMBER ABOVE UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
15. STEEL ROOF DECKING SHALL NOT BE USED TO SUPPORT LOADS FROM FIRE SPRINKLER ELEMENTS OR EQUIPMENT OF ANY KIND.
16. ALL FIRE SPRINKLER PIPING RUNNING IN OCCUPIED AREAS WITH EXPOSED STRUCTURE SHALL RUN WITH SLOPE OF ROOF DECK.
17. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ANY CROSSOVERS OR DROPS AT MAIN CORRIDOR TO AVOID CONFLICTS WITH CLEARSTORY. DROPS & CROSSOVER LOCATIONS SHALL BE VERIFIED WITH PROJECT ARCHITECT PRIOR TO INSTALLATION.
18. ALL FIRE MAINS SHALL RUN ABOVE AREAS WITH CEILINGS. NO MAINS WILL BE ALLOWED IN OCCUPIED AREAS EXPOSED TO ROOF DECK.
19. IN EXPOSED AREAS THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE PIPING & HEAD LOCATIONS WITH HVAC ARCHITECTURAL REFLECTED CEILING PLANS, DUCTWORK, DIFFUSERS AND ALL LIGHTING LAYOUTS.
20. FIRE SPRINKLER HEADS IN ALL CORRIDORS SHALL BE INSTALLED DOWN THE CENTERLINE OF THE CORRIDOR.
21. ALL PIPE PENETRATIONS OF CONCRETE, CMU OR BRICK WALLS SHALL BE SLEEVED OR CORE CUT.
22. ALL PIPE PENETRATIONS OF SHEETROCK WALLS SHALL BE SAWCUT.
23. ALL PENETRATIONS AT 1 HOUR AND 2 HOUR WALLS SHALL BE FIRE CAULKED PER RATING REQUIRED. COORDINATE WITH LIFE SAFETY PLAN.
24. **ALL FIRE HEADS AT CORRIDORS SHALL BE LOCATED AT CENTER OF TILE.**
25. **ALL FIRE HEADS AT CLASSROOM AND ADMINISTRATION AREAS SHALL BE LOCATED AT CENTER OF TILE AND 1/4 POINTS.**

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON consulting engineers, inc.

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

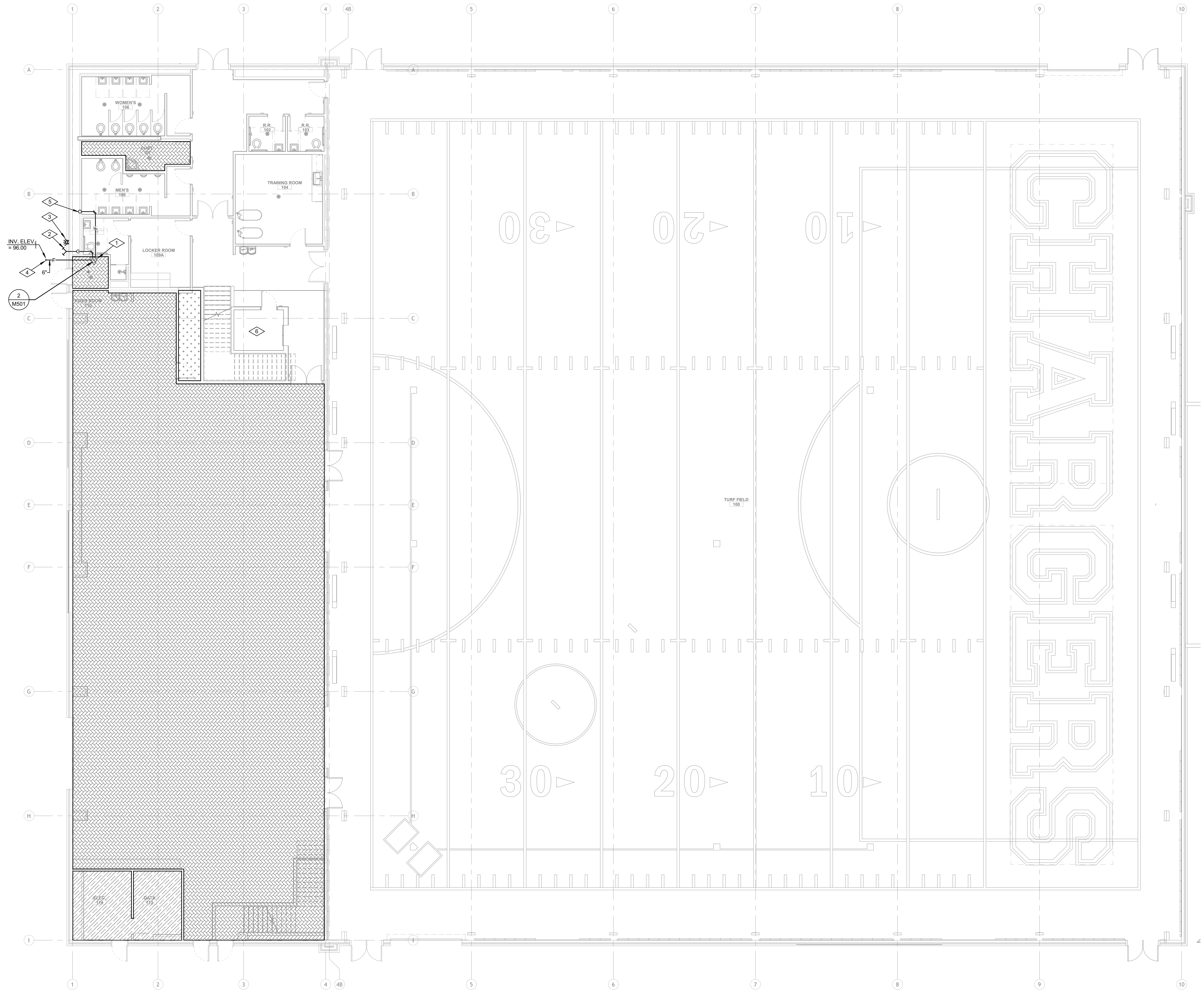
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Fire Protection Notes & Details

SHEET NUMBER

FP501



LEVEL 1 ALTERNATE - OVERALL FIRE PROTECTION PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. FIRE RISER. SEE DETAIL 2/FP501.
2. SIAMESE FIRE DEPARTMENT CONNECTION.PROVIDE BRASS CAPS PAINTED RED.
3. HORN / STROBE.
4. COORDINATE FINAL CONNECTION TO SITE UTILITIES.
5. RISE TO 2ND LEVEL.
6. ELEVATOR SHAFT.

FIRE PROTECTION LEGEND

NO MARK
- LIGHT HAZARD
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE

- LIGHT HAZARD
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

- ORDINARY HAZARD, GROUP 1
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILINGF)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

FIRE SPRINKLER RISER

SPRINKLER ALARM BELL

WALL MOUNTED SIAMESE
FIRE
DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMNTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES
AUSTIN
BERRETT
9/12/2024
UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS
SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

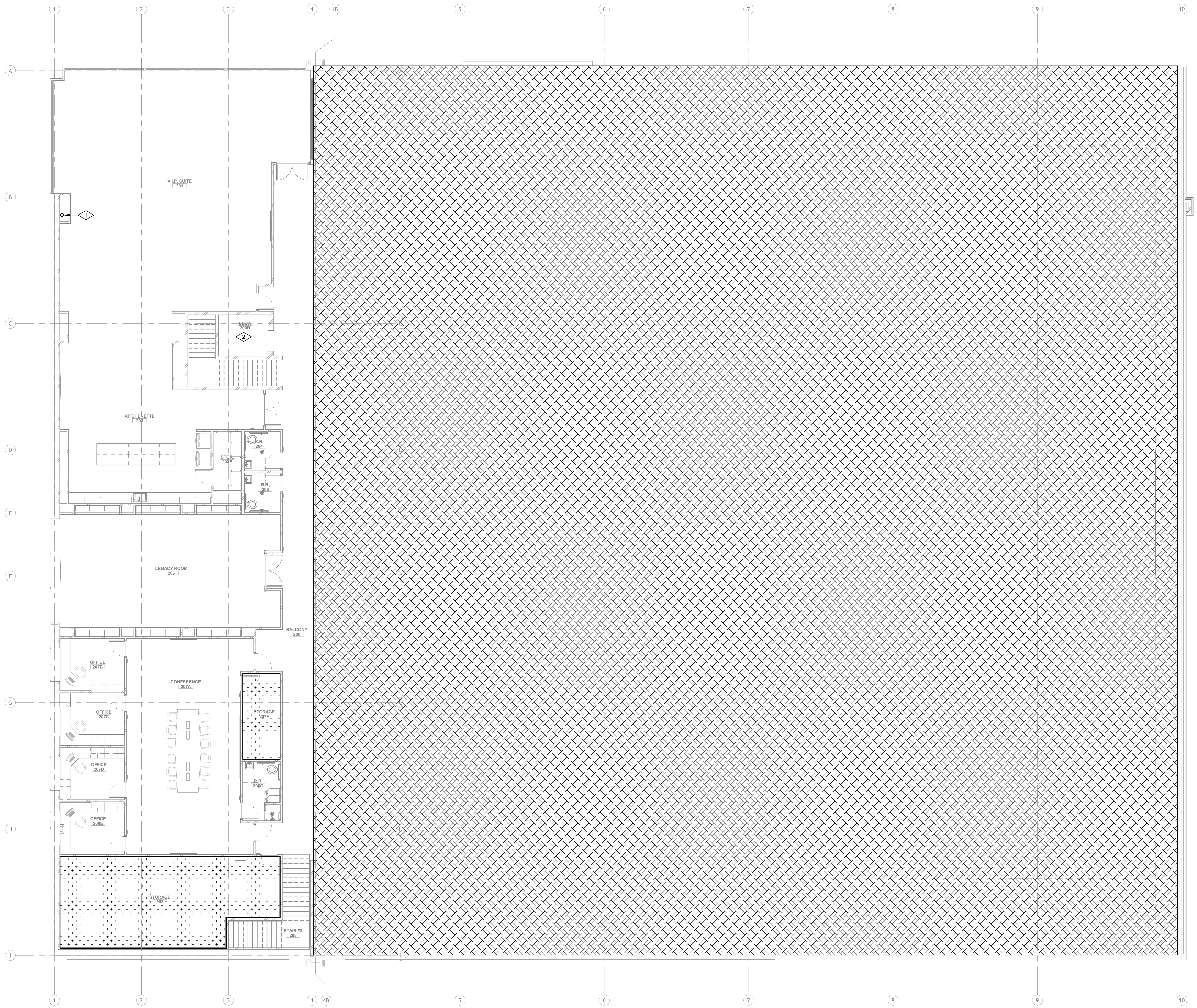
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1 Alternate Fire Protection Plan

SHEET NUMBER

FP901



LEVEL 2 ALTERNATE - OVERALL FIRE PROTECTION PLAN

0 4' - 0" 8' - 0" 16' - 0"

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

REFERENCE NOTES

1. FIRE MAIN UP FROM BELOW TO SERVE LEVEL 2. COORDINATE WITH ALL TRADES.
2. ELEVAOR SHAFT.

FIRE PROTECTION LEGEND

NO MARK
- LIGHT HAZARD
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE

- LIGHT HAZARD
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

- ORDINARY HAZARD, GROUP 1
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILINGF)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

FIRE SPRINKLER RISER

SPRINKLER ALARM BELL

WALL MOUNTED SIAMESE FIRE DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMNTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER LICENSED #334524-2202 JAMES AUSTIN BERRETT 9/12/2024 UTAH

CONSULTANT INFORMATION

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 2 Alternate Fire Protection Plan

SHEET NUMBER

FP902

ELECTRICAL SITE UTILITY COORDINATION

ELECTRICAL SITE UTILITY INFORMATION HAS BEEN COORDINATED WITH THE FOLLOWING UTILITY COMPANY REPRESENTATIVES. VERIFY ALL LOCATIONS, DIMENSIONS, CLEARANCES, REGULATIONS, ETC., PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY REVISIONS REQUIRED.

POWER COMPANY	ROCKY MOUNTAIN POWER (RMP)
CONTACT	BRENT BEDKE
PHONE NO.	(801) 220-6149
EMAIL	brent.bedke@rockymountainpower.net
WORK ORDER NO.	7269740

TELEPHONE/DATA LEGEND

DIVISION 26000, 27, AND 28 ELECTRICAL CONTRACTORS ARE RESPONSIBLE TO READ, UNDERSTAND AND ABIDE TO THE SPECIFICATIONS OF DIVISION 27 1500 CONTRACTOR'S RESPONSIBILITY AND THE SCOPE OF THE WORK THAT IS BEING REQUIRED. REFER TO DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIRED DROPS AND FURTHER INFORMATION.

Symbol	Description
X	CEILING MOUNTED OUTLET: REFER TO LETTER FOR CABLE QUANTITY
WAP	WIRELESS ACCESS POINT: (2) CAT6A DATA CABLES WITH 2 PORT SURFACE BOX (15' COIL ABOVE CEILING) (OFCI).
FB PT	FLOOR BOX: REFER TO DESCRIPTION FOR # CABLES REQUIRED AT EACH FLOOR BOX
DP	FLAT PANEL DISPLAY BOX: PROVIDE (2) DATA DROP UNLESS NOTED OTHERWISE.
	IP CAMERA: 1 DATA (REFER TO SYSTEMS SHEETS)
INT	ACCESS CONTROL SYSTEM TWO-WAY AUDIO/VIDEO INTERCOM DOOR STATION. (REFER TO THE MANUFACTURES (AIPHONE) SPECIFICATIONS FOR THE NECESSARY CABLING).
CP (L-X)	PROJECTOR CEILING MOUNT AND RECESSED EQUIPMENT RACK LOCATION. REFER TO ET SERIES SHEETS FOR LOCATION OF PROJECTOR AND/OR EQUIPMENT RACK. PROVIDE SURGE PROTECTED OUTLET AND DATA AS INDICATED. (# CABLES PER "X" e.g. (L-1) = 1 DATA)
IC4 Z-ID	AV IP INTERCOM SPEAKER: 1 DATA (REFER TO INTERCOM TA400 SHEETS)
CSA	IP CLASSROOM SOUND AMPLIFICATOIN SYSTEM: 1 DATA (REFER TO AV TA300 SHEETS)

1. ALL CABLE PATHWAYS (CONDUIT, CABLE BASKET/TRAY ETC.) TO BE INSTALLED BY DIVISION 26000 CONTRACTORS WHEN INDICATED ON THE DRAWINGS AND/OR IN THIS SPECIFICATION. CABLE TRAY IS NOT TO BE ANY LESS THAN 18" WIDE AND 4" HIGH THROUGH MAIN CORRIDOR PATHWAYS. CONTRACTORS TO INSTALL A 4-11/16" SQUARE DEEP BOX WITH A SINGLE 1" CONDUIT ENTRY TO EACH NETWORK DROP
2. PROVIDE A 10' SERVICE LOOP TO EACH DATA DROP, IP SURVEILLANCE, AND WAP LOCATION.
3. ANY PATHWAYS IN OR UNDER THE SLAB OR ANY OTHER POTENTIALLY WET LOCATIONS SHALL USE THE APPROPRIATE OSP CABLING AND CONDUIT SHALL RUN TO THE NEAREST NETWORK CLOSET WHERE CABLES WILL BE TERMINATED WITHIN 50' OF EXITING THE CONDUIT. ANY PIPING OF THESE LOCATIONS TO THE CABLE TRAY SO THAT OSP CABLES WOULD RUN FREELY THROUGH A PLENUM AIR SPACE IS PROHIBITED.

SYMBOL SCHEDULE

NOTES:

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT.
9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT INDICATES NEMA CONFIGURATION.
11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
12. COORDINATE WITH DOOR HARDWARE SUPPLIER.
13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
14. ARROWS SHOWN ON DEVICE INDICATE SENSOR AIMING DIRECTION.
15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.

*TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
GENERAL							
	ONE CIRCUIT, HOME RUN TO PANEL				EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
	2 CIRCUIT, HOME RUN TO PANEL				CABLE TRAY	AS NOTED	
	3 CIRCUIT, HOME RUN TO PANEL				GROUND BUS BAR	+18"	6.
	CONDUIT RUN CONCEALED IN WALL OR CEILING			X	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND			X X	EQUIPMENT NUMBER		
	CONDUIT UP			X	ARCHITECTURAL ROOM NUMBER		
	CONDUIT DOWN			X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
	CONDUIT STUB LOCATION	CAP CONDUIT		X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		
	CONDUIT / CIRCUIT CONTINUATION						
MULTIPLE SYSTEM SYMBOLS							
R	RECEPTACLE SWITCH PACK	ABOVE CEILING		J F	JUNCTION BOX ('F' IN FLOOR)	AS NOTED	
	DUPLEX RECEPTACLE — UPPER OUTLET SWITCH CONTROLLED	+18" OR AS NOTED	2. 9.		MOTOR OUTLET	TO SUIT EQUIP.	2.
	SIMPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		PUSHBUTTON	+46"	2.
	DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
A	DUPLEX RECEPTACLE		9.	F	FUSED DISCONNECT SWITCH	+60"	5. 6.
G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.	B	BREAKER DISCONNECT SWITCH	+60"	5. 6.
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.	$	SINGLE POLE SWITCH	+46"	2. 4.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	$T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.		MAGNETIC STARTER	+60"	6. 7.
	FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED	2. 9.	VFD	VARIABLE FREQUENCY DRIVE	+66"	6.
LIGHTING							
	CEILING LIGHT FIXTURE	CEILING	1.	PP	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
	WALL LIGHT FIXTURE	AS NOTED	1.	RC X	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	ABOVE CEILING	SEE DIAGRAM, SPEC.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.	EP	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
	RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.	$3	THREE-WAY SWITCH	+46"	2. 4.
	LIGHT FIXTURE	AS NOTED	1.	$4	FOUR-WAY SWITCH	+46"	2. 4.
	EGRESS LIGHT FIXTURE	AS NOTED	1.	$K	KEY OPERATED SWITCH	+46"	2. 4.
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	1. SEE DIAGRAM	$P	SWITCH WITH PILOT LIGHT	+46"	2. 4.
	BOLLARD	CONCRETE BASE	1.	$D	VARIABLE INTENSITY SWITCH	+46"	2. 4.
	STEP LIGHT FIXTURE	AS NOTED	1.	$TM	TIMER SWITCH	+46"	2. 4.
	IN-GRADE LIGHT FIXTURE	CONCRETE BASE	1.	$	MOMENTARY CONTACT SWITCH	+46"	2. 4.
	FLOOD OR TRACK FIXTURE	AS NOTED	1.	X	LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE)	+46"	2. SEE DIAGRAM, SPEC.
	CEILING / WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1. 3. 8.		DUAL TECH. CEILING MOUNTED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	CEILING	SEE DIAGRAM, SPEC.
	EMERGENCY LIGHT FIXTURE	AS NOTED	1.		DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCIPT D = DIMMING AND DAYLIGHT CONTROL)	+46"	2. 4. SEE DIAGRAM, SPEC.
	COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.	P	PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH)	AS NOTED	MOUNT AS PER MFR.
TC	TIME CLOCK	+60"	2.		DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM, SPEC.
TELECOMMUNICATIONS							
W	WALL PHONE	+60" OR AS NOTED	2.	WAP WAP	WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING	WALL / CEILING	11.
	DATA OUTLET, ONE CABLE	+18" OR AS NOTED	2. 9. 11.	SPL	SPLITTER	ABOVE CEILING	
	DATA OUTLET, TWO CABLES	+18" OR AS NOTED	2. 9. 11.	VIA	VIA	ABOVE CEILING	
	DATA OUTLET, THREE CABLES	+18" OR AS NOTED	2. 9. 11.	BDA	FIBER BDA	ABOVE CEILING	
X	DATA OUTLET, "X" INDICATES QUANTITY	+18" OR AS NOTED	2. 9. 11.	ANT XX	ANTENNA — PS = PUBLIC SAFETY, COM = CELLULAR/COMMERCIAL	CEILING	
	TELEVISION OUTLET	+18" OR AS NOTED	9. 11.				
POWER - ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF							
	DUPLEX RECEPTACLE — UPPER OUTLET SWITCH CONTROLLED	+18" OR AS NOTED	2. 9.	R	RECEPTACLE SWITCH PACK	ABOVE CEILING	
	SIMPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		POWER POLE		
	DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.	J	PLUGMOLD	+46" OR AS NOTED	2. SEE SPEC.
U	DUPLEX RECEPTACLE WITH USB OUTLET	+18" OR AS NOTED	2. 9.	DP	FLAT PANEL DISPLAY WALL BOX TVSS RECEPT., DATA AND OTHER DEVICES, REFER TO DIAGRAMS	AS NOTED	SEE DIAGRAM, SPEC. 26 2726
	CONTROLLED DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	CP	CEILING PROJECTION SYSTEM CEILING BOX	ABOVE CEILING	SEE DIAGRAM, SPEC.
A	DUPLEX RECEPTACLE		9.	C	CLOCK OUTLET	+90"	2.
G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.		DOORBELL CHIME	+90"	2.
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.	FB	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
IG	ISOLATED GROUND RECEPTACLE	+18" OR AS NOTED	2. 9.	PT	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		MOTOR OUTLET	TO SUIT EQUIP.	
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.		PUSHBUTTON	+46"	2.
	FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED	2. 9.	F	FUSED DISCONNECT SWITCH	+60"	5. 6.
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.	B	BREAKER DISCONNECT SWITCH	+60"	5. 6.
	CONTROLLED FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	$T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
	TVSS PROTECTED RECEPTACLE	+18" OR AS NOTED	2. 9.		MAGNETIC STARTER	+60"	6. 7.
	SPECIAL PURPOSE OUTLET	+18" OR AS NOTED	2. 10. W/ CAP.		MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
	CORD DROP		SEE DIAGRAM	VFD	VARIABLE FREQUENCY DRIVE	+66"	6.
	CORD REEL		SEE DIAGRAM		PANEL BOARD	+72"	6.
	TOMBSTONE RECEPTACLE				MAIN DISTRIBUTION PANEL		
T	THERMOSTAT			M	UTILITY METER / CT CABINET	+72"	6.
POWER							
'ACS'	ACCESS CONTROL PANEL		12.		EQUIPMENT RACK / CABINET	AS NOTED	18. SEE SPEC.
'IDS'	INTRUSION DETECTION PANEL		12.		EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
'PSP'	POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE EQUIPMENT		12.		EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
SECURITY							
####	IP SURVEILLANCE CAMERA - SEE CAMERA SURVEILLANCE TYPE SCHEDULE	AS NOTED	9. 10. 12.	DH	MAGNETIC DOOR HOLD OPENER	AS NOTED	8. 12.
NVR	NETWORK VIDEO RECORDER / SERVER		12.	ES	ELECTRIFIED DOOR STRIKE	DOOR JAMB	8. 12.
DC 1	ACCESS CONTROL DOOR / WINDOW SWITCH / CONTACT	DOOR JAMB	12.	DP	INTRUSION DETECTION DOOR / WINDOW CONTACT	DOOR JAMB	12.
DC 2	SPECIALIZED SWITCH / CONTACT (GARAGE DOOR, ROOF ACCESS DOOR / HATCH)		12.	EL	ELECTRIFIED DOOR LOCK	DOOR JAMB	8. 12.
XX X	DR=DOOR RELEASE, LD=LOCKDOWN, PE=PUSH TO EXIT, DB=DURESS / PANIC: T=TRANSMITTER, R=RECEIVER, H=HARDWIRED		12.	RX	ACCESS CONTROL REQUEST TO EXIT MOTION		8. 12.
				EC	ELECTRIFIED EXIT RIM DEVICE (CRASH BAR)		8. 12.
MD MD	INTRUSION MOTION DETECTOR SOLID - WALL MOUNTED, DASHED = CEILING		12.	CR	ACCESS CONTROL CREDENTIAL CARD READER	+46"	1. 12.
GB GB	GLASS BREAK DETECTOR: SOLID = WALL MOUNTED, DASHED = CEILING		12.	BR	ACCESS CONTROL BIOMETRIC READER	+46"	1. 12.
AS AS	INTRUSION DETECTION ALARM SIREN AND/OR STROBE		12.	KS	KEY OVERRIDE SWITCH	+46"	1. 12.
PI	INTRUSION DETECTION POP-IT MODULE		12.	ICR	INTEGRATED LOCKSET WITH CREDENTIAL CARD READER		8. 12.
KP	INTRUSION DETECTION KEYPAD (ARM/DISARM)		12.	KCR	ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD	+46"	1. 12.
INT	IP TWO-WAY AUDIO & VIDEO INTERCOM (ANSWERING BASE STATION & DOOR STATION)		12.	WS	SECURITY WORKSTATION		12.
ML	ELECTROMAGNETIC LOCK (MAG LOCK)		8. 12.	'ACS'	ACCESS CONTROL PANEL		12.
SC SC	SMOKE & C/O DETECTOR COMBO: SOLID = WALL MOUNTED, DASHED = CEILING		12.	'IDS'	INTRUSION DETECTION PANEL		12.
SH SH	SMOKE & HEAT DETECTOR COMBO: SOLID = WALL MOUNTED, DASHED = CEILING		12.	'PSP'	POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE EQUIPMENT		12.

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BC	BARE COPPER	N.I.C.	NOT IN CONTRACT
BFG	BELOW FINISH GRADE	NO	NORMALLY OPENED
C	CONDUIT	NTS	NOT TO SCALE
CAB	CABINET	OS & Y	OUTSIDE SCREW & YOKE
CATB	COMMUNITY ANTENNA TELEVISION	PB	PUSHBUTTON
CATV	CABLE TELEVISION	PF	POWER FACTOR
CKT	CIRCUIT	PFR	PHASE FAILURE RELAY
CLG	CEILING	PNL	PANEL
CNTR	CONTRACTOR	PT	POTENTIAL TRANSFORMER
C.O.	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CRT	COMPUTER TERMINAL	(R)	RELOCATE
CT	CURRENT TRANSFORMER	RECEP	RECEPTACLE
CU	COPPER	REQ	REQUIREMENT
C/W	COMPLETE WITH	RLA	RATED LOAD AMPS
DB	DECIBEL	RMP	ROCKY MOUNTAIN POWER
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	EXISTING	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UPS	UNINTERRUPTED POWER SUPPLY
HZ	HERTZ	V	VOLT (KV-KILOVOLT)
IFC	INTERNATIONAL FIRE CODE	VA/R	VOLT-AMPS/REACTIVE
IG	ISOLATED GROUND	VM	VOLT METER
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATTS
IN	INCH	W/	WITH
J-BOX	JUNCTION BOX	WH	WATTHOUR METER
KV	KILOVOLT	W/O	WITHOUT
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KVAR	KILOVARS	XFMR	TRANSFORMER
KW	KILOWATT	XFMR SW	TRANSFER SWITCH
LRA	LOCKED ROTOR AMPS	XP	EXPLOSION PROOF
LTG	LIGHTING	1P	SINGLE-PHASE
MNF	MANUFACTURER	2P	TWO-POLE
MAX	MAXIMUM	3P	THREE-POLE
MB	MAIN BUS	4P	FOUR-POLE
MCC	MOTOR CONTROL CENTER	∅	PHASE
MCM	1000 CIRCULAR MILLS		

SHEET INDEX

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
4. SEE SECTION 26 5100 OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
7. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
8. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
9. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
10. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.
11. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING		
MAXIMUM LENGTH	BRANCH CIRCUIT VOLTAGE	
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #6 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.

B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.

C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY,CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.

13. ALL CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES PARALLEL TO, OR AT RIGHT ANGLES TO, THE STRUCTURE OR ADJACENT BUILDING ELEMENTS. SEPARATIONS BETWEEN CONDUITS AND FASTENINGS OF CONDUITS SHALL BE NEAT AND CONSISTENT. CONDUIT SHALL BE INSTALLED AS TIGHT TO THE BOTTOM OF STRUCTURAL ELEMENTS WHEN PARALLEL TO JOISTS AS CODE WILL ALLOW. OVERALL INSTALLATION SHALL BE ACCOMPLISHED IN AN AESTHETIC AND WORKMANLIKE MANNER. NO CONDUITS SHALL BE ALLOWED TO RUN PERPENDICULAR TO THE BOTTOM CHORD OF THE JOISTS.
14. DIVISION 26 SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL ELECTRICAL EQUIPMENT.
15. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM.
16. ELECTRICAL CONTRACTOR SHALL COORDINATE PROJECT PHASING WITH GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO GENERAL CONTRACTOR EXPECTATIONS.
17. COORDINATE ELECTRICAL DEMOLITION WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR.
18. CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH HEAD CUSTODIAN AND OWNER.
19. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OF INSTALLATION OR NATURE OF WORK REQUIRED, THE CONTRACTOR WILL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE OWNER.
20. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF ELECTRICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING-IN THE BUILDING. COORDINATE THE CUTTING AND PATCHING OF BUILDING COMPONENTS TO ACCOMMODATE INSTALLATION OF ELECTRICAL EQUIPMENT AND MATERIALS.
21. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
22. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.
23. CONTRACTOR MUST CONCEAL ALL RACEWAY THROUGHOUT THE PROJECT. SURFACE MOUNT RACEWAY IS UNACCEPTABLE EXCEPT WHERE THE USE OF PAINTED SURFACE METAL RACEWAYS (EMT) IS APPROVED SOLEY BY THE ARCHITECT. PAINT TO MATCH SURROUNDING SURFACE.
24. ALL CONCRETE CUT AND PATCH WORK REQUIRED FOR FLOOR BOXES INSTALLATION AND/OR RELOCATION OF ELECTRICAL DEVICES AND PANELS THAT REQUIRE WORK WITHIN THE FLOORS SHALL BE DONE BY ELECTRICAL CONTRACTOR. ALL CORE CUTTING FOR NEW SERVICE SHALL ALSO BE COVERED UNDER ELECTRICAL CONTRACTORS REQUIRED WORK.
25. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ALL WASTE, SURPLUS MATERIALS, RUBBISH OR DEBRIS WHICH IS CAUSED BY HIS EMPLOYEES OR RESULTING FROM HIS WORK. AFTER ALL EQUIPMENT AND DEVICES HAVE BEEN INSTALLED, REMOVE ALL LABELS, STICKERS, STAINS, TEMPORARY COVERS, ETC. IDENTIFICATION PLATES ON ALL EQUIPMENT.
26. IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR.
27. PROVIDE GFCI CIRCUIT BREAKERS SERVING RECEPTACLES PROVIDING POWER TO DRINKING FOUNTAINS, REFRIGERATORS, VENDING MACHINES, DISPOSALS, AND WASHING MACHINES.
28. CAREFULLY REVIEW THE ENTIRE DRAWING PACKAGE PRIOR TO PROVIDING BID, INCLUDING THE ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT REVIEWING THE ENTIRE SET IS NOT ACCEPTABLE.
29 PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
30 PROVIDE WEATHERPROOF, NEMA 3R RATED EQUIPMENT FOR ALL EXTERIOR APPLICATIONS.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
FIRE ALARM							
	BELL	+94"	2.	S	SMOKE DETECTOR	CEILING	
C	CHIME / STROBE	+94" / CEILING	2.	SC	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
F	FIRE ALARM MANUAL STATION	+46"	2.	C	CARBON MONOXIDE DETECTOR	CEILING	
H	FIRE ALARM SIGNAL HORN / STROBE	+94" / CEILING	2.	H	HEAT DETECTOR	CEILING	
H CLG	CONCEALED FIRE ALARM HORN / STROBE	CEILING		D	DUCT SMOKE DETECTOR		MTD. IN DUCT
H	CONCEALED FIRE ALARM HORN / STROBE WALL	+94"	2.	D	FIRE/SMOKE DAMPER		
E	FIRE ALARM SPEAKER / STROBE	+94" / CEILING	2.		DOOR HOLDER	AS NOTED	
E CLG	CONCEALED FIRE ALARM SPEAKER / STROBE	CEILING		FS	FLOW SWITCH		
E	CONCEALED FIRE ALARM SPEAKER / STROBE WALL	+94"	2.	TS	TAMPER SWITCH		
S	FIRE ALARM STROBE	+94" / CEILING	2.	WF	WATER FLOOD INDICATOR		
S CLG	CONCEALED FIRE ALARM STROBE	CEILING			O.S. & Y. VALVE		SEE DIAGRAM
S	CONCEALED FIRE ALARM STROBE WALL	+94"	2.	R	FIRE ALARM RELAY OR SECURITY RELAY		
K	FIRE ALARM SPEAKER ONLY	+94" / CEILING	2.	CM	FIRE ALARM CONTROL MODULE		
B	FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	+94" / CEILING	2.	MM	FIRE ALARM MONITOR MODULE		
ANN	FIRE ALARM ANNUNCIATOR PANEL	+58"	2. SEE DIAGRAM	TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
V	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.	TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.
B	BEAM DETECTOR		MOUNT AS PER MFR.	R	FIRE ALARM RELAY		

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037-2202 STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SYMBOLS, SCHEDULES, AND NOTES

SHEET NUMBER

E001

FLOOR BOX SCHEDULE

TYPE	DESCRIPTION	MFR.	CATALOG NUMBER
FB01	MULTI-SERVICE RECESSED EIGHT-COMPARTMENT FLOOR BOXES WITH (3) 1-GANG COMPARTMENTS FOR POWER, (1) 1-GANG COMPARTMENT FOR DATA, (2)-GANG FOR SPARE, (2) 1-GANG COMPARTMENTS FOR AV WHERE INDICATED. INCLUDE MUDCAP, DEVICE PLATES, BLANK PLATES, MOUNTING BRACKETS, SPACERS AND COVER ASSEMBLIES. PROVIDE FLUSH TILE ASSEMBLIES. SEE SECTION 26 2726, WIRING DEVICES AND 27 1500 TELEPHONE/DATA SYSTEM. PROVIDE NUMBER OF DEVICES INDICATED IN DRAWINGS WITH A MINIMUM OF (3) DUPLEX RECEPTACLES, MINIMUM OF TYPE "L-2" DATA OUTLET UNLESS OTHERWISE NOTED, AND CONDUITS REQUIRED FOR AV INFRASTRUCTURE IN EACH FLOOR BOX; STUB (2) SPARE 1-1/4" CONDUIT FROM BOX TO ACCESSIBLE CEILING WITHIN ROOM AND LABEL "SPARE FLOOR BOX CONDUIT"	WIREMOLD	EFB8S-OG-SCBA-XX-XX

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM WITH THE FEATURES NECESSARY AND MUST BE CAPABLE OF MEETING THE INTENT. THE MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO FURNISH EXHAUSTIVE SHOP DRAWINGS, ELUCIDATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING.

GENERAL PRINCIPLES:
- ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT, MEETING IECC 2021 REQUIREMENTS.
- LIGHTING WILL PRIMARILY FOLLOW A MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINAIRES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES) AFTER PERIODS OF INACTIVITY (15 MINUTES).
- TYPICAL ROOM CONTROLLER STYLE BASED LIGHTING CONTROLLER (NON-NETWORKED). PROVIDE REQUIRED RELAYS AND END DEVICES AS NEEDED E.G. OCCUPANCY SENSORS, DAYLIGHT SENSORS, WALLSTATIONS, ETC.

SPECIFIC AREAS:

CORRIDORS:
- LIGHTS AUTOMATICALLY TURN ON TO 100% WHEN USER ENTERS, WITH 50% DIM LEVEL TRIGGERED BY OCCUPANCY SENSORS AFTER 15 MINUTES OF INACTIVITY.

EGRESS CORRIDORS:
- LIGHTS AUTOMATICALLY TURN ON TO 100% WHEN USER ENTERS, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

WASHROOMS:
- OCCUPANCY: LIGHTS AUTOMATICALLY TURN OFF AFTER VACATED 15 MINUTES.

OFFICES:
- ROOM CONTROLLER BASED SYSTEM WITH OCCUPANCY THAT MANAGE OFFICE LIGHTING. LIGHTS AUTOMATICALLY TURN ON TO DAYLIGHT LEVEL WHEN USER ENTERS, AND LIGHTS WILL AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACATED.
- TOGGLE CONTROL BETWEEN ON/OFF. 0-10V DIMMING, RAISE AND LOWER.

BUILDING ENTRY SOFFITS:- RELAY CONTROLLED.
- FOLLOWS THE MASTER CLOCK SCHEDULE WITH ASTRONOMICAL OVERRIDE (DUSK ON AND DAWN OFF) AND ADDITIONAL OVERRIDE (DUSK ON/11:00 PM OFF, 6 AM ON/DAWN OFF).

BUILDING FACADE/WALL PACKS:- RELAY CONTROLLED:
1. FOLLOWS THE MASTER CLOCK SCHEDULE WITH TOUCH PANEL OVERRIDE AND ASTRONOMICAL OVERRIDE (DUSK ON).
2. LIGHTS DIM TO 50% AFTER 10 PM AND TURN OFF AT DAWN.
3. **RC1 WALLSTATION:**
   - A. ALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
   - B. RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
   - C. ALL OFF: TURNS OFF ALL LIGHTING LOADS.
   - D.

LOCAL WALLSTATION CONTROLS:

1. **LC1 WALLSTATION (FIELD):**
   - A. ALL ON: BUTTON SHALL TURN ALL LIGHTING RELAYS ON. ALL DIMMING ZONES TO 100%
   - B. RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES
   - C. ALL OFF: BUTTON SHALL TURN ALL LIGHTING LOADS OFF.
2. **LC2 WALLSTATION (FIELD):**
   - A. N FIELD ON: BUTTON SHALL TOGGLE ON ALL RELAYS FOR GENERAL NORTH PRACTICE FIELD LIGHTING.
   - B. N RAISE/LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF DIMMING ZONES WITHIN THE NORTH PORTION OF THE FIELD.
   - C. S FIELD ON: BUTTON SHALL TOGGLE ON ALL RELAYS FOR GENERAL SOUTH PRACTICE FIELD LIGHTING.
   - D. S RAISE/LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF DIMMING ZONES WITHIN THE SOUTH PORTION OF THE FIELD.
3. **LC3 WALLSTATION (WEIGHT ROOM):**
   - A. ALL ON: BUTTON SHALL TURN ALL LIGHTING RELAYS ON. ALL DIMMING ZONES TO 100%
   - B. RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES
   - C. ALL OFF: BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

COMPLIANCE:
THIS NARRATIVE OUTLINES A LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE LATEST IECC 2021 REQUIREMENTS, EMPHASIZING AUTOMATED CONTROLS, DAYLIGHT HARVESTING, AND ENERGY-EFFICIENT DIMMING BASED ON OCCUPANCY AND AMBIENT LIGHT LEVELS. THIS APPROACH HELPS MINIMIZE ENERGY CONSUMPTION WHILE ENSURING ADEQUATE LIGHTING FOR OCCUPANT SAFETY AND COMFORT.

EMERGENCY LIGHTING AND IBC/IECC COMPLIANCE IN ADDITION TO THE STANDARD LIGHTING CONTROL SYSTEM, THE PROJECT WILL INCLUDE AN EMERGENCY LIGHTING SYSTEM DESIGNED TO MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). THIS SYSTEM PRIORITIZES OCCUPANT SAFETY AND EGRESS DURING POWER OUTAGES.

EMERGENCY LIGHTING FEATURES:
- AUTOMATIC ACTIVATION: UPON DETECTION OF A POWER FAILURE, EMERGENCY LIGHTS WILL AUTOMATICALLY SWITCH ON TO 100% BRIGHTNESS WITHIN THE FACILITY.
- EXIT PATH ILLUMINATION: EMERGENCY LIGHTING WILL BE STRATEGICALLY PLACED TO EFFECTIVELY TO ILLUMINATE ALL DESIGNATED. EXIT PATHS AND STAIRWELLS, FACILITATING SAFE EVACUATION.
- COMPLIANCE AND INSPECTION: THE EMERGENCY LIGHTING SYSTEM WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IBC AND IECC REQUIREMENTS, AND WILL BE SUBJECT TO REGULAR INSPECTIONS TO ENSURE PROPER FUNCTIONALITY.

ADDITIONAL NOTES:
- THE SPECIFIED TIME DELAYS AND LIGHT LEVELS CAN BE ADJUSTED TO SUIT THE SPECIFIC NEEDS OF THE BUILDING AND OCCUPANTS. AFTER 2 MONTHS OF OCCUPANCY, LIGHTING PROGRAMMER SHALL RETURN TO MAKE ADJUSTMENTS PER THE OWNERS REQUEST.

GENERAL NOTES

1. PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IECC 2018 OR CURRENT ENERGY CODE.
2. CONFIRM SWITCHING AND PROGRAMMING SCHEME WITH OWNER PRIOR TO PROGRAMMING.
3. PROGRAM SYSTEM TO INCORPORATE AUTO DAYLIGHT SAVINGS ADJUSTMENTS, ASTRONOMICAL CLOCK WITH OFFSETS, HOLIDAY DATES, AND NETWORK OVERRIDE.
4. REFER TO WALLSTATION DIAGRAMS FOR FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND COVERPLATE COLORS SELECTED BY ARCHITECT.
5. SUBMIT ALL WALLSTATION LAYOUTS, ENGRAVING AND CONTROL SEQUENES DURING THE SHOP DRAWINGS REVIEW PROCESS.
6. PROVIDE RELAY BARRIER FOR VOLTAGE AND POWER SOURCE SEPARATION (EMERGENCY AND NORMAL CIRCUITS, VOLTAGE DIFFERENCES).
7. SYSTEM MUST INTERFACE WITH NEW OR EXISTING ENERGY MANAGEMENT SYSTEM/BMS. PROVIDE SYSTEM CONSISTING WITH MONITOR(S), COMMUNICATIONS EQUIPMENT, A CONTROLLER(S), TIMER(S), OR OTHER DEVICE(S) THAT MONITOR AND/OR CONTROL AN ELECTRICAL LOAD OR POWER PRODUCTION OR STORAGE SOURCE. COORDINATE EXACT TIE-IN POINTS AND COMMUNICATION PROTOCOL/MODULES REQUIRED. PROGRAM ACCORDINGLY AND PER OWNERS REQUIREMENTS.

CONTROL ROUGH-IN NOTES

1. DIVISION-26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. REFER TO DIVISION 21-23 DRAWINGS AND COORDINATE WITH CONTROLS CONTRACTOR TO VERIFY EXACT LOCATION OF ALL THERMOSTATS. PROVIDE ELECTRICAL BOXES, METAL CONDUIT, TUBING, AND FITTINGS OF TYPES, GRADES, SIZES, AND WEIGHTS (WALL THICKNESS) AS INDICATED; WITH MINIMUM TRADE SIZE OF 3/4". SURFACE MOUNTED RACEWAY IN FINISH AREAS IS NOT ALLOWED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY ALL CONDUIT AND ROUGH-IN REQUIREMENTS PRIOR TO ANY ROUGH-IN OF THERMOSTAT PATHWAYS, AND ELECTRICAL CONTRACTOR SHALL HAVE THE FINAL RESPONSIBILITY FOR PROPERLY COORDINATING THE ELECTRICAL WORK, INCLUDING THE EXACT LOCATION OF THE THERMOSTATS. OBTAIN SUBMITTALS OF ALL WALL MOUNTED THERMOSTATS FROM CONTROLS CONTRACTOR AND DIVISION 21 THROUGH 23 CONTRACTOR(S).
3. NOTIFY ENGINEER OF ANY MODIFICATIONS BETWEEN CONTRACT DOCUMENTS AND SUBMITTALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE DOCUMENTS.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL THEIR OWN BLOCKOUTS AND COORDINATING THEIR SPACE OF A SHARED BLOCKOUT.
5. COORDINATE ALL INTERFACES BETWEEN MECHANICAL/TEMPERATURE CONTROLS AND ELECTRICAL/COMMUNICATIONS/SECURITY DIVISIONS BEFORE SUBMITTING ANY EQUIPMENT FOR REVIEW OR BEGINNING INSTALLATION.

EQUIPMENT SCHEDULE

CONNECTION TYPE NOTES:

1. NON-FUSED DISCONNECT SWITCH
2. FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER WITH THERMAL OVERLOAD
5. MAGNETIC STARTER
6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
8. MAGNETIC STARTER/BREAKER COMBINATION
9. VARIABLE FREQUENCY DRIVE
10. REDUCED VOLTAGE STARTER
11. DIRECT CONNECTION
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. TWO-SPEED STARTER. COORDINATE WITH MOTOR TYPE
14. SOLID STATE SOFT-STARTER

RESPONSIBILITY LEGEND:

A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. REQUIRED CONNECTION UNDER DIVISION 26(16)
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION

CB = CIRCUIT BREAKER

NOTE 1: PER 250.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR
NOTE 2: OVERCURRENT PROTECTION DEVICE (OCPD) SHOWN IS LOCATED AT POWER PANEL. ALL FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATING.
NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.

UNIT	#	DESCRIPTION	ELECTRICAL EQUIPMENT INFORMATION							CONDUIT SIZE	WIRE				OCPD		STARTER/ DISC/ VFD OTHER (SEE NOTES)	REMARKS
			LOAD															
			HP	FLA	MCA	VA	VOLTAGE	PHASE	FULL LOAD AMPS		SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS		
		SCORE BOARD CONNECTION	0.00	93 A	0 A	0 VA	208 V	1	93.0 A	1 1/2"	1	2	1/0	6	CB	150 A	2 A	do not used
		SCORE BOARD CONNECTION	0.00	0 A	0 A	0 VA	208 V	3	0.0 A	0"	0	3	Error	Error	CB	0 A	11 A	do not used
			0.00	0 A	0 A	0 VA	120 V	1	0.0 A	0"	0	2	Error	Error	CB	0 A	0 A	do not used
AC	1	AC OUTDOOR UNIT	0.00	0 A	10 A	0 VA	208 V	1	8.0 A	3/4"	1	2	12	12	CB	15 A	2 A	
ACI	1	AC DOOR UNIT	0.00	0 A	0 A	0 VA	208 V	1	0.0 A	0"	0	2	Error	Error	CB	0 A	0 A	do not used
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A	
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A	
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A	
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A	
ATU	1	AIR TURNOVER UNIT	15.00	0 A	0 A	0 VA	480 V	3	21.0 A	3/4"	1	3	10	10	CB	35 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO ATH CONTROL PANEL. REFER TO DIV. 23 FOR LOCATION
CP	1	RECIRCULATING PUMP	0.25	0 A	0 A	0 VA	120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	11 A	
CP	1	RECIRCULATING PUMP	0.25	0 A	0 A	0 VA	120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	11 A	
DF	1	DE-STRAT FAN	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
DF	1	DE-STRAT FAN	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
DF	1	DE-STRAT FAN	0.00	0.4 A	0 A	0 VA	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	4 A	
EC	1	EVAPORATIVE COOLER	1.50	0 A	0 A	0 VA	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.
EC	1	EVAPORATIVE COOLER	1.50	0 A	0 A	0 VA	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.
EC	1	EVAPORATIVE COOLER	1.50	0 A	0 A	0 VA	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.
EC	1	EVAPORATIVE COOLER	1.50	0 A	0 A	0 VA	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.
EC	1	EVAPORATIVE COOLER	1.50	0 A	0 A	0 VA	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.
EC	1	EVAPORATIVE COOLER	1.50	0 A	0 A	0 VA	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.
ECP	1	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	1	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	1	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	1	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	1	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	1	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	2	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	2	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	2	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	2	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	2	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ECP	2	EVAPORATIVE COOLER PUMP	0.00	0.8 A	0 A	0 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	1	EXHAUST FAN	1.50	0 A	0 A	0 VA	120 V	1	20.0 A	3/4"	1	2	10	10	CB	30 A	4 A	
EF	1	EXHAUST FAN	1.50	0 A	0 A	0 VA	120 V	1	20.0 A	3/4"	1	2	10	10	CB	30 A	4 A	
EF	2	EXHAUST FAN	0.75	0 A	0 A	0 VA	120 V	1	13.8 A	3/4"	1	2	12	12	CB	25 A	4 A	
EF	3	EXHAUST FAN	0.50	0 A	0 A	0 VA	120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	4	EXHAUST FAN	0.50	0 A	0 A	0 VA	120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
EF	5	EXHAUST FAN	0.50	0 A	0 A	0 VA	120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
EUH	1	ELECTRIC UNIT HEATER	0.00	15.9 A	0 A	0 VA	208 V	1	15.9 A	3/4"	1	2	12	12	CB	25 A	2 A	
EUH	1	ELECTRIC UNIT HEATER	0.00	15.9 A	0 A	0 VA	208 V	1	15.9 A	3/4"	1	2	12	12	CB	25 A	2 A	
EUH	1	ELECTRIC UNIT HEATER	0.00	15.9 A	0 A	0 VA	208 V	1	15.9 A	3/4"	1	2	12	12	CB	25 A	2 A	
GUH	1	GAS FIRED UNIT HEATER	0.00	11 A	0 A	0 VA	120 V	1	11.0 A	3/4"	1	2	12	12	CB	20 A	4 A	
GUH	1	GAS FIRED UNIT HEATER	0.00	11 A	0 A	0 VA	120 V	1	11.0 A	3/4"	1	2	12	12	CB	20 A	4 A	
GUH	1	GAS FIRED UNIT HEATER	0.00	11 A	0 A	0 VA	120 V	1	11.0 A	3/4"	1	2	12	12	CB	20 A	4 A	
GUH	1	GAS FIRED UNIT HEATER	0.00	11 A	0 A	0 VA	120 V	1	11.0 A	3/4"	1	2	12	12	CB	20 A	4 A	
GUH	1	GAS FIRED UNIT HEATER	0.00	11 A	0 A	0 VA	120 V	1	11.0 A	3/4"	1	2	12	12	CB	20 A	4 A	
M	1	BASEBALL NET	1.50	0 A	0 A	0 VA	208 V	3	6.6 A	3/4"	1	3	12	12	CB	15 A	7 A	
M	1	BASEBALL NET	1.50	0 A	0 A	0 VA	208 V	3	6.6 A	3/4"	1	3	12	12	CB	15 A	7 A	
RT	1	ROOFTOP UNIT	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	7 A	
RT	2	ROOFTOP UNIT	0.00	0 A	16 A	0 VA	480 V	3	12.8 A	3/4"	1	3	12	12	CB	20 A	7 A	
RT	3	ROOFTOP UNIT	0.00	0 A	13 A	0 VA	480 V	3	10.4 A	3/4"	1	3	12	12	CB	15 A	7 A	
RT	4	ROOFTOP UNIT	0.00	0 A	11 A	0 VA	480 V	3	8.8 A	3/4"	1	3	12	12	CB	15 A	7 A	
RT	5	ROOFTOP UNIT	0.00	0 A	21 A	0 VA	480 V	3	16.8 A	3/4"	1	3	10	10	CB	25 A	7 A	
RT	6	ROOFTOP UNIT	0.00	0 A	21 A	0 VA	480 V	3	16.8 A	3/4"	1	3	10	10	CB	25 A	7 A	
RT	7	ROOFTOP UNIT	0.00	0 A	13 A	0 VA	480 V	3	10.4 A	3/4"	1	3	12	12	CB	15 A	7 A	
WH	1	WATER HEATER	0.00	0 A	0 A	13500 VA	480 V	3	16.2 A	3/4"	1	3	10	10	CB	25 A	2 A	

LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE — PROJECT MANAGER: SERENA CUMMINGS

A.F.F.	ABOVE FINISH FLOOR	SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING	CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT

LIGHT FIXTURE GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE...
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.

TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
A44	2'X4' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (MEDIUM, 4000K)	ILP	VPAN24-33L/44L/55L-U-40	277 V	35 VA	LED	4,600	4000 K	80
A75	2'X4' HIGH PERFORMANCE FLAT PANEL LUMINAIRE; EXTRUDED ALUMINUM FRAME WITH DIFFUSED, GLARE-FREE LENS; 3" FIXTURE DEPTH; EASY TO CLEAN; 90,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; DLC PREMIUM LISTED;	DAY-BRITE	2FPZ-80L-840-4-DS-UNV-DIM	277 V	60 VA	LED	8,000	4000 K	80
B33	2'X2' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (LOW, 4000 K)	ILP	VPAN22-22L/33L/44L-U-40	277 V	31 VA	LED	3,500	4000 K	80
D4A	4" LED RECESSED ROUND DOWNLIGHT IN INACCESSIBLE CEILING; FRAME + TRIM KIT; SELF-FLANGED; 55,000 HOUR (L90); 5 YR WARRANTY; 0-10 DIMMING; SCBA; MEDIUM DISTRIBUTION	PRESCOLITE	LTR-4RD-H-SL75L-DM1-UNV/LTR-4RD-T-SL40 K8MD-SCBA-SCBA-SCBA	277 V	10 VA	LED	750	4000 K	80+
EH	4' LED WALL MOUNTED GASKETED LINEAR STRIPLIGHT; RUGGED ENCLOSED FROSTED ACRYLIC LENS; 60,000 HOUR (L80); 5YR WARRANTY	COLUMBIA LIGHTING	LXEM4-40HL-RFA-E-U-GLR-SSL	277 V	50 VA	LED	6,222	4000 K	80+
HB1	HIGH EFFICIENT HIGH BAY LED LUMINAIRE; DIE-CAST ALUMINUM HOUSING; PRECISION 120 DEGREE BEAM ANGLE; DIFFUSED LENS FOR GLARE REDUCTION; IMPACT RESISTANT LENS WITH WIREGUARD; FIXTURE MOUNTED TO BOTTOM OF TRUSS; SCBA; 5 YR WARRANTY; 0-10 DIMMING; 250,000 HOUR (L70)	GE LIGHTING	ABV4-0-48-48-WD-QV-XX-XX-XX-WHTE	277 V	271 VA	LED	48,000	4000 K	80+
L2RM	2" WIDE LINEAR LED; RECESSED INTO ARCHITECTURAL CEILING GRID; BATWING HIGH EFFICIENCY LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH (SEE PLANS); 50,000 HOUR (DRIVER), 146,500 HOUR (L70); 0-10 DIMMING; COORDINATE MOUNTING DETAILS WITH CEILING MANUFACTURER; CUSTOM COLOR BY ARCHITECT; 8W/FT, 1000 LUMEN/FT; 4000K, 80+ CRI	PINNACLE	EV2D-BW-840HO-(SEE PLANS)-XX-U-0-10V-1-0-CCBA	277 V	7 VA	LED			80+
L4H100	6"X4' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	4RBG6-100D-UNV-L840+DF-64W-U	277 V	38 VA	LED	4,195	4000 K	80+
L8H100	6"X8' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	8RBG6-100D-UNV-L840+DF-68W-U	277 V	75 VA	LED	8,428	4000 K	80+
OW1	ARCHITECTURAL WALL MOUNTED LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE IV DISTRIBUTION, FULL CUTOFF; IP66 RATED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; INTEGRAL PHOTOCELL	HE WILLIAMS	VWPV-L60/L735-T4-SCBA-SDGL-UNV-PC	277 V	70 VA	LED	6,376	4000 K	70+
S7R	7" ROUND SURFACE MOUNTED LED LUMINAIRE; LOW-PROFILE; MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX; PROVIDE JUNCTION BOX/HOUSING AS REQUIRED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING	LIGHTOLIER	S7R-8-40K-10-SCBA-Z10U	277 V	14 VA	LED	1,000	4000 K	80+
SL2	4' LED SURFACE MOUNTED LINEAR STRIPLIGHT; RUGGED ENCLOSED FULLY FROSTED ACRYLIC LENS; 303,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	4SNLED-LD5-56SL-LW-UNV-L840-CD1-U	277 V	30 VA	LED	5,000	4000 K	80+
SL2C	4' LED CHAIN MOUNTED LINERA STRIPLIGHT; RUGGED ENCLOSED FULLY FROSTED ACRYLIC LENS; 303,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	4SNLED-LD5-56SL-LW-UNV-L840-CD1-U-AYC-CHAIN/SET	277 V	30 VA	LED	5,000	4000 K	80+
X1	UNIVERSAL EDGE-LIT EXIT SIGN; BRUSHED ALUMINUM HOUSING AND BLACK PLASTIC END-CAPS, WITH HIGH GRADE ACRYLIC PANEL; UNIVERSAL FACE, SINGLE, DOUBLE; UNIVERSAL MOUNTING, SURFACE, RECESSED OR END-MOUNT; AC ONLY	EMERGI-LITE	PAG6	277 V	5 VA	LED, 4100K CCT, 82+ CRI	100	4000 K	80+
X2	THIN DIE-CAST ALUMINUM SLIM PROFILE LED EXIT SIGN, MATTE BLACK WITH BRUSHED ALUM. FACES; AC ONLY; UNIVERSAL MOUNTING - WALL, SIDE, OR CEILING; AC ONLY; SEE PLANS FOR ARROWS AND MOUNTING; PROVIDE WIRE GUARD AS INDICATED = "WG"	EMERGI-LITE	BA-TX-UNV-G	277 V	5 VA	LED, 4100K CCT, 82+ CRI	100	4000 K	80+

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER — BRIAN HICKS — No. 7709037-2202 — 9/12/24 — STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SYMBOLS, SCHEDULES, AND NOTES

SHEET NUMBER

E002

SECURITY GENERAL NOTES

1. (ACCESS CONTROL SYSTEM) PRIOR TO STARTING ANY WORK OR ROUGH-IN THE DIV.28 INSTALLATION CONTRACTOR SHALL COORDINATE A MEETING WITH THE SCHOOL DISTRICT, THE DIV.8 DOOR HARDWARE CONTRACTOR, AND THE DIV.26 ELECTRICAL CONTRACTOR TO REVIEW AND DISCUSS:
A. THE DIV. 8 DOOR HARDWARE SPECIFICATIONS AND DOOR ROUGH IN REQUIREMENTS.
B. WHAT ELECTRIFIED DOOR HARDWARE IS GETTING INSTALLED ON EACH DOOR
C. THE SPECIFIED ACCESS CONTROL CABLING, AND IT'S OUTER JACKETING COLOR.
D. THE SPECIFIED RACEWAY TO BE INSTALLED.
E. THE FAIL-SAFE OR FAIL-SECURE OPERATION FOR THE ELECTRIFIED DOOR HARDWARE EQUIPMENT.
F. HOW ADA EQUIPMENT WILL NEED TO FUNCTION AND OPERATE WITH THE ACCESS CONTROL SYSTEM AND EQUIPMENT.
G. THE POWER REQUIREMENTS FOR ALL OF THE ELECTRIFIED HARDWARE EQUIPMENT.
H. HOW EACH DOOR THAT HAS ELECTRIFIED DOOR HARDWARE WILL NEED TO BE PROGRAMMED TO FUNCTION DURING BUSINESS HOURS, AFTER HOURS, SCHEDULED TIMES, LOCKDOWNS, EMERGENCY SITUATIONS, FIRE ALARMS, ETC.
I. THE FIRE ALARM INTERFACE WITH THE ACCESS CONTROL SYSTEM, AND THE EQUIPMENT THAT IS NEEDED.
J. CONFIRM WHICH WALLS IN THE TELE/DATA ROOM #113 THE ACCESS CONTROL HEAD-END PANEL, THE ELECTRIFIED DOOR HARDWARE POWER SUPPLY PANEL, AND THE INTRUSION DETECTION HEAD-END PANEL SHOULD BE MOUNTED ON .
K. CONFIRM WHICH EMERGENCY ELECTRICAL CIRCUIT THE ACCESS CONTROL HEAD-END PANELS AND ELECTRIFIED DOOR HARDWARE POWER SUPPLIES ARE CURCUITED TO.
L. CONFIRM WITH THE OWNER AND THE DIV.8 CONTRACTOR THAT THE DIV.28 CONTRACTOR WILL BE PROVIDING THE DOOR POSITION CONTACTS FOR THE ACCESS CONTROL SYSTEM AND THE INTRUSION DETECTION SYSTEM.

2. (IP VIDEO SURVEILLANCE SYSTEM) PRIOR TO STARTING ANY WORK OR ROUGH-IN THE DIV.28 INSTALLATION CONTRACTOR SHALL COORDINATE A MEETING WITH THE SCHOOL DISTRICT AND THE DIV.26 ELECTRICAL CONTRACTOR TO REVIEW & DISCUSS:
A. THE ROUGH-IN REQUIREMENTS FOR EACH IP SURVEILLANCE CAMERA.
B. EACH IP SURVEILLANCE CAMERA LOCATION, HEIGHT, ORIENTATION, AND VIEW.
C. THE SPECIFIED CATEGORY CABLING, AND IT'S OUTER JACKETING COLOR.
D. THE SPECIFIED RACEWAY TO BE INSTALLED.
E. WHICH TELECOMMUNICATIONS EQUIPMENT RACKS WILL ALL OF THE SPECIFIED CATEGORY CABLING AND THE VIDEO SURVEILLANCE EQUIPMENT WILL NEED TO BE INSTALLED INTO.
F. ALL OF THE CORRECT AND NECESSARY HARDWARE AND MOUNTING EQUIPMENT FOR EACH IP SURVEILLANCE CAMERA AND VIDEO SURVEILLANCE EQUIPMENT.

3. PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS IN ORDER TO PROVIDE A COMPLETE AND A FULLY FUNCTIONAL ACCESS CONTROL, VIDEO SURVEILLANCE, AND INTRUSION DETECTION SYSTEMS.

4. THE DIV.28 CONTRACTOR(S) SHALL CAREFULLY REVIEW THE REFLECTED CEILING PLANS, MILLWORK PLANS, AND ARCHITECTURAL ELEVATIONS FOR COMPONENT INSTALLATION.

5. THE DIV.28 ACCESS CONTROL CONTRACTOR SHALL CAREFULLY REVIEW THE DIV.8 DOOR HARDWARE SPECIFICATION AND SUBMITTALS AND SUMMARIZE ANY DISCREPANCIES IN WRITING TO THE TEAM.

6. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTORS RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID.

7. PROVIDE FIRE ALARM INTERFACE TO UNLOCK ALL INDICATED LOCKS UPON ANY FIRE ALARM INITIATION.

8. THE SECURITY CONTRACTORS SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO STARTING ANY WORK TO ENSURE A COMPLETE RACEWAY INSTALLATION IS PROVIDED AND CORRECTLY INSTALLED.

9. ALL CABLING TO END DEVICES THAT ARE INSTALLED WITHIN THE DOOR OR ON A DOOR FRAME MULLION SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE INSTALLATION WITH THE DOOR/WINDOW SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNTED CREDENTIAL CARD READERS DO NOT REQUIRE A BACK BOX.

10. THE ACCESS CONTROL SYSTEM SHALL INCLUDE ANY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES, AND INPUT/OUTPUT MODULES REQUIRED TO SUPPORT THE SPECIFIED DOOR TYPES, ENSURING A COMPLETE AND FUNCTIONING CARD READER AND DOOR CONTROL SYSTEM.

11. ALL FINAL CAMERA VIEWS SHALL BE APPROVED BY THE OWNER PRIOR TO PROJECT COMPLETION.

12. ALL PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIALS TO MAINTAIN THE FIRE RATING OF THE PENETRATED SURFACE.

13. COORDINATE WITH THE OWNER AND REFERENCE EACH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND THE CODE REQUIREMENTS FOR THE SETUP, PROGRAMMING, AND THE INTEGRATION BETWEEN THE VIDEO SURVEILLANCE SYSTEM, ACCESS CONTROL SYSTEM, INTRUSION DETECTION SYSTEM, FIRE ALARM SYSTEM, ADA EQUIPMENT, ETC.

14. THE DIV.28 VIDEO SURVEILLANCE CONTRACTOR SHALL PROVIDE AN INTERACTIVE MAP IN THE VIDEO SURVEILLANCE SYSTEM OPERATING/MANAGEMENT SOFTWARE WITH CAMERAS AND ACCESS CONTROL DEVICES.

15. THE INSTALLATION CONTRACTORS SHALL PROMPTLY NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK IF ANY OF THE SECURITY DEVICE LOCATIONS THAT ARE SHOWN IN THE SECURITY DRAWINGS SHEET ARE OBSTRUCTED.

16. EQUIPMENT LISTS ARE PROVIDED TO SET EQUIPMENT EXPECTATIONS AND MAY NOT BE COMPLETE. COORDINATE WITH DEVICES SHOWN ON DRAWINGS, SYSTEM RISERS, SPECIFICATIONS, AND EQUIPMENT LIST FOR SYSTEM INTENT. PROVIDE COMPLETE AND FULLY FUNCTIONAL SYSTEMS AS DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS.

17. INSTALL AND PROGRAM THE ACCESS CONTROL SYSTEM, THE IP VIDEO SURVEILLANCE SYSTEM, AND THE INTRUSION DETECTION SYSTEM TO THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, TO INDUSTRIES STANDARDS, AND TO THE OWNER'S REQUIREMENTS.

ACCESS CONTROL TYPE SCHEDULE

CR: ACCESS CONTROL CREDENTIAL CARD READER
KCR: ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD
DC: ACCESS CONTROL DOOR CONTACT
PE: PUSH TO EXIT BUTTON
BR: ACCESS CONTROL BIOMETRIC READER
ICR: INTEGRATED LOCKSET WITH CREDENTIAL CARD READER
DP: INTRUSION DETECTION DOOR CONTACT
RX: REQUEST TO EXIT MOTION

TYPE	DOOR DESCRIPTION	CREDENTIAL				DOOR CONTACT		EXIT DEVICES		NOTES
		CR	BR	KCR	ICR	DC	DP	PE	RX	
A	SINGLE DOOR	1	0	0	0	1	1	0	0	REFER TO THE SECURITY GENERAL NOTES #1
B	SINGLE DOOR	1	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
C	SINGLE DOOR	0	0	0	0	0	1	0	0	REFER TO THE SECURITY GENERAL NOTES #1
F	DOUBLE DOOR	1	0	0	0	2	2	0	0	REFER TO THE SECURITY GENERAL NOTES #1
G	DOUBLE DOOR	1	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
H	ELEVATOR	1	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
J	GARAGE DOOR	0	0	0	0	0	1	0	0	REFER TO THE SECURITY GENERAL NOTES #1
K	ROOF ACCESS DOOR/HATCH	0	0	0	0	0	1	0	0	REFER TO THE SECURITY GENERAL NOTES #1

CAMERA SURVEILLANCE TYPE SCHEDULE

TYPE	DESCRIPTION	MANFR.	CAT NO.	NOTES
F01C	INDOOR DAY/NIGHT VARIFOCAL FIXED DOME CAMERA - CEILING MOUNTED	AXIS	P3265-LV	REFER TO THE SECURITY GENERAL NOTES #2
F01W	INDOOR DAY/NIGHT VARIFOCAL FIXED DOME CAMERA - WALL MOUNTED	AXIS	P3265-LV	REFER TO THE SECURITY GENERAL NOTES #2
M01C	MULTI-LENS (4) OUTDOOR/INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - CEILING MOUNTED	AXIS	P3737-PLE	REFER TO THE SECURITY GENERAL NOTES #2
M01N	MULTI-LENS (4) OUTDOOR/INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - CORNER MOUNTED	AXIS	P3737-PLE	REFER TO THE SECURITY GENERAL NOTES #2

CAMERA SURVEILLANCE TAG LEGEND

CHARACTERISTICS: REFER TO SCHEDULE

TYPE:
F = FIXED
M = MULTI-LENS
P = PTZ
T = THERMAL

MOUNTING TYPE:
C = CEILING
D = PENDANT
G = WALL GOOSE-NECK
L = POLE
N = CORNER
P = PARAPET
R = RECESSED
S = INSIDE CORNER MOUNT
W = WALL

F01R

SEE THE "CAMERA SURVEILLANCE SCHEDULE" FOR CAMERA TYPES

ACCESS CONTROL TAG LEGEND

DOOR TYPE
DOOR NUMBER

######-X

SEE THE "ACCESS CONTROL TYPE SCHEDULE" FOR DOOR TYPES

SECURITY SHEET INDEX

LOW VOLTAGE SCOPE OF WORK

NOTES:...

1. RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK THEY ARE RESPONSIBLE FOR.
2. ADDITIONAL NOTES MAY BE PRESENT WITHIN THE CONTRACT DOCUMENTS INDICATING SPECIFIC EQUIPMENT PROVIDED BY OTHERS OR REQUIRE INSTALLATION BY SPECIFIC DIVISIONS.
3. INSTALLER PROVIDING THE SYSTEM CABLING SHALL PROVIDE THE CABLING, TERMINATION AND CERTIFICATION FOR A COMPLETE SYSTEM INSTALLATION, UNLESS OTHERWISE SPECIFICALLY NOTED WITHIN THE CONTRACT DOCUMENTS.
4. INSTALLER TO VERIFY WITH CONTRACT DOCUMENTS FOR THE CONNECTION TYPE (MALE OR FEMALE) REQUIRED FOR EACH SYSTEM.
5. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LEGEND

AC	ACCESS CONTROL CONTRACTOR
AV	AUDIOVISUAL CONTRACTOR
DC	DOOR HARDWARE CONTRACTOR
EC	ELECTRICAL CONTRACTOR
FR	FURNITURE CONTRACTOR
GC	GENERAL CONTRACTOR
IC	INTRUSTION DETECTION
LVC	CONTRACTOR TELEPHONE/DATA CABLING
NIC	CONTRACTOR
OWNER	NOT IN CONTRACT
SC	OWNER
SPEC	VIDEO SURVEILLANCE CONTRACTOR SEE SPECIFICATIONS

DESCRIPTION	FURNISHED BY	INSTALLED BY
_GENERAL		
EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V)	EC	EC
ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION	GC	GC
STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT	GC	GC
SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES.	EC	EC
ACCESS CONTROL SYSTEM		
ACCESS CONTROL OPERATING SOFTWARE	AC	AC
ACCESS CONTROL SERVER	OWN	OWN
ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL(S), AND POWER SUPPLY(S)	AC	AC
CREDENTIALS (E.G. CARDS, FOBS, TAGS, MOBILE CREDENTIALS)	AC	AC
INSTALLATION OF ACCESS CONTROL CABLING	AC	AC
TERMINATING AND TESTING THE ACCESS CONTROL CABLES	AC	AC
INDIVIDUAL ACCESS CONTROL DOOR CONTROLLERS (IF APPLICABLE)	AC	AC
END DEVICES (E.G., CREDENTAIL CARD READERS, DOOR POSITION CONTACTS, REQUEST TO EXIT MOTIONS, PUSH TO EXIT BUTTONS, DESK DOOR RELEASE BUTTONS, DESK PANIC / DURESS/LOCKDOWN BUTTONS, ETC.)	AC	AC
RECHARGABLE SEALED LEAD ACID BACK-UP BATTERIES	AC	AC
CREDENTIAL CARD/BADGE PRINTER	AC	AC
ELECTRIFIED LOCKING DOOR HARDWARE	DC	DC
EXTERIOR EQUIPMENT PEDESTALS AND ENCLOSURES	EC	EC
IP TWO-WAY AUDIO VIDEO INTERCOM SYSTEM (EXTERIOR STATIONS, ANSWERING BASE STATIONS, IP LICENSES)	AC	AC
NETWORK EQUIPMENT SPECIFICALLY FOR THE ACCESS CONTROL SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	AC	AC
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVER, MONITOR, KEYBOARD, MOUSE)	OWN	OWN
POWER SUPPLIES FOR ELECTRIFIED LOCKING DOOR HARDWARE	AC	AC
AUDIOVISUAL		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.)	AV	AV
CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF) TERMINATED IN PATCH PANEL	LVC	LVC
CATEGORY CABLING FROM DEVICE TO DEVICE, NOT TERMINTATED IN PATCH PANELS WITHIN THE ER(MDF/TR(IDF)	AV	AV
COAXIAL CABLE	LVC	LVC
LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER	EC	EC
MOTORIZED SHADE CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM	AV	AV
CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	AV	AV
EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	AV	AV
FURNITURE BOX TABLE CUTTING	GC	GC
FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER	AV	AV
PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD)	GC	GC
FLAT PANEL MONITOR MOUNTS	AV	AV
FLAT PANEL MONITORS	AV	AV
INSTRUCTOR'S LECTERNS/CONSOLES WITH INTEGRATED AUDIOVISUAL SYSTEMS COMPONENTS	AV	AV
INTERACTIVE FLAT PANEL MONITORS AND MOUNTS	AV	AV
NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO	OWNER	OWNER
VIDEO PROJECTOR	AV	AV
VIDEO PROJECTOR MOUNTS	AV	AV
INTRUSION DETECTION SYSTEM (BURGLAR ALARM)		
ANY INTRUSION DETECTION WIRELESS EQUIPMENT (RECEIVERS, REPEATERS, TRANSMITTERS, ETC.)	IC	IC
CELLULAR BACKUP COMMUNICATOR	IC	IC
END DEVICES (E.G; DOOR, WINDOW, GARAGE CONTACTS. MOTION, GLASS BREAK DETECTORS. SMOKE, HEAT DETECTORS. TEMPERATURE, MOISTURE, LEAK SENSORS, ETC.)	IC	IC
INTERIOR/EXTERIOR SIRENS AND/OR STROBES	IC	IC
INTRUSION DETECTION (ARM/DISARM) ALPHA KEYPAD(S)	IC	IC
INTRUSION DETECTION HEAD-END CONTROL PANEL & SLAVE PANELS	IC	IC
INTRUSION DETECTION LOW VOLTAGE CABLING	IC	IC
RECHARGABLE BACK UP BATTERY(S)	IC	IC
TERMINATING AND TESTING LOW VOLTAGE CABLES	IC	IC
IP CAMERAS AND VIDEO SURVEILLANCE SYSTEM		
NETWORK VIDEO RECORDER (NVR)	SC	SC
VIDEO MANAGEMENT SYSTEM (VMS) OPERATING SOFTWARE	SC	SC
VIDEO ANALYTIC SOFTWARE AND LICENSING	SC	SC
IP SURVEILLANCE CAMERA MOUNTS, MOUNTING HARDWARE AND EQUIPMENT	SC	SC
IP SURVEILLANCE CAMERA SOFTWARE LICENSES	SC	SC
IP SURVEILLANCE CAMERAS	SC	SC
MICRO SDXC MEMORY CARD(S) FOR IP SURVEILLANCE CAMERAS	SC	SC
IN-LINE CAT6 CATEGORY CABLE SURGE PROTECTORS, POWER SURGE & SUPRPESSION EQUIPMENT, AND UNINTERRUPTIBLE POWER SUPPLY (UPS)	SC	SC
IP SURVEILLANCE CAMERA ETHERNET EXTENDERS, POE INJECTORS, AND POWER SUPPLIES	SC	SC
NETWORK EQUIPMENT SPECIFICALLY FOR THE IP VIDEO SURVEILLANCE SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	OWNER	OWNER
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVERS, MONITORS, KEYBOARDS, MOUSES)	OWNER	OWNER
SPECIFIED CATEGORY CABLE AND FIBER OPTIC CABLE	LVC	LVC
TERMINATING AND TESTING THE SPECIFIED CATEGORY CABLING AND FIBER OPTIC CABLING	LVC	LVC
TELEPHONE / DATA		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE	LVC	LVC
PATCH CABLES FOR DEVICES WITHIN THE TR/ER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES	LVC	LVC
TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING	LVC	LVC
CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	EC	EC
DATA SWITCHES, SERVERS, FIREWALL, ETC	OWNER	OWNER
EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	LVC	LVC
RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU)	LVC	LVC
WIRELESS ACCESS POINTS	OWNER	OWNER

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
BNA Proj. No. #####
SALT LAKE ST. GEORGE

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVIEWS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SYMBOLS,SCHEDULES AND NOTES

SHEET NUMBER

E003

GENERAL SITE PLAN NOTES

1. DIVISION 26 SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTIONS AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM. DIVISION 26 SHALL COORDINATE PROJECT PHASING WITH GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO CONTRACT EXPECTATIONS.
2. MAINTAIN AND PROTECT EXISTING UTILITY SERVICES AND ELECTRIFIED EQUIPMENT FOR EXISTING FACILITIES. COORDINATE REQUIRED DISRUPTION OF THESE SERVICES WITH OWNER PRIOR TO DISCONNECTING. PROVIDE TEMPORARY UTILITY SERVICES TO KEEP FACILITIES IN OPERATION DURING UTILITY RELOCATION INCLUDING BUT NOT LIMITED TO FIRE WATCHES, ELECTRICAL GENERATORS, ETC.
3. ANY ELECTRICAL ROUGH-IN, EQUIPMENT AND CONDUIT PATHWAYS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR. DIVISION 26 SHALL BLUE STAKE THE AREA OF NEW CONSTRUCTION PRIOR TO EXCAVATION FOR FOOTINGS, ETC. IDENTIFY BURIED ELECTRICAL SYSTEMS(UTILITIES, POWER, COMMUNICATIONS, ETC.) AND COORDINATE LOCATIONS WITH THE GENERAL CONTRACTOR. IF EXISTING ELECTRICAL SYSTEMS ARE DISTURBED (POWER,AUXILIARY, ETC.) E.C. SHALL MAKE NECESSARY REPAIRS (AS APPROVED BY DISTRICT REPRESENTATIVE) AS PART OF THIS CONTRACT.
4. CONTRACTOR TO CLOSELY COORDINATE ALL NEW AND EXISTING DEVICE LOCATIONS WITH CIVIL DRAWINGS. CONTRACTOR TO VERIFY ALL FINAL GRADE REQUIREMENTS WITH CIVIL DRAWINGS.
5. CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH THE GENERAL, HEAD CUSTODIAN, AND OWNER.
6. ELECTRICAL UTILITY SERVICE FROM ROCKY MOUNTAIN POWER (RMP) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH RMP PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL SFCP CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH LATEST SFCP ELECTRICAL SERVICE REQUIREMENTS AND CONTACT PERSON PROVIDED ON PLAN ALL NEW DEVELOPMENTS WILL BE SERVICED UNDERGROUND; CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL UNDERGROUND CONDUIT, SECONDARY CONDUCTORS, TRANSFORMER PADS, AND SECONDARY BOXES. THE UNDERGROUND ELECTRICAL DISTRIBUTION LAYOUT SHALL BE COMPLETED OR APPROVED BY RMP ENGINEERING DIVISION.
7. TELCO UTILITY SERVICE FROM LUMENS NETWORK (LN) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 IS RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH PROVIDERS AND OWNERS PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH CONTACT PERSON PROVIDED ON PLANS. VERIFY ALL EQUIPMENT LOCATIONS ON AND OFF THE SITE NECESSARY FOR SERVICE CONNECTION.

GENERAL SITE PLAN NOTES

8. TRENCHING AND BACKFILL: LOCATE AND PROTECT EXISTING UTILITIES AND OTHER UNDERGROUND WORK IN A MANNER THAT WILL ENSURE THAT NO DAMAGE OR SERVICE INTERRUPTIONS WILL RESULT FROM EXCAVATING AND BACKFILLING. PERFORM EXCAVATION IN A MANNER THAT PROTECTS WALLS, FOOTINGS, AND OTHER STRUCTURAL MEMBERS FROM BEING DISTURBED OR DAMAGED IN ANY WAY. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 (OR STATE OF UTAH REQUIREMENTS, WHICHEVER IS MORE STRINGENT), UNLESS NOTED OTHERWISE. PATCH AND REPAIR ROADS, PARKING AREAS, SIDEWALKS, CURBS, OTHER PAVED AREAS, PLANTING AND ANY OTHER DISTURBED AREAS CAUSED BY THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION.
9. BORING, TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
10. CABLE RUNS SHALL BE MARKED WITH RED PLASTIC MARKING TAPE INSTALLED IN THE TRENCH ONE FOOT BELOW SURFACE. BACKFILL SHALL BE FREE OF ROCKS AND OTHER OBJECTS WHICH MIGHT DAMAGE THE CABLE.
11. TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING AND INSTALLATION OF CABLE SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
12. INSPECT ALL CONDUIT(S) WITH CAMERA TO CONFIRM THAT CONDUIT(S) HAVE NOT BEEN CRUSHED OR BROKEN. CAP OPEN ENDS OF CONDUITS AND INSTALL A 200 LB. NYLON PULL CORD IN EACH EMPTY CONDUIT RUN.
13. PROVIDE PLANS, PHOTO DOCUMENTATION AND GPS COORDINATES INDICATING THE LOCATION OF ANY AND ALL CONDUITS INTENDED FOR FUTURE USE BY OWNER. SUBMIT DOCUMENTATION WITH O&Ms.
14. VERIFY LOCATION OF LIGHT POLES WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE HAND-RUBBED FINISHES FOR ALL SITE POLES. REFER TO DIAGRAM C003/E102 FOR ADDITIONAL INFORMATION.
15. CONTRACTOR TO PROVIDE PULL BOXES AS REQUIRED PER NEC AND NECESSARY TO PROVIDE SUCCESSFUL CABLE PULLS.
16. PROVIDE TEMPORARY POWER FOR PROJECT AS REQUIRED BY GENERAL CONTRACTOR.
17. LABEL ALL ELECTRICAL GEAR WITH BOTH CONSTRUCTION DRAWING-ROOM #S AND FINAL CONSUMER ROOM #'S.

ELECTRICAL SITE UTILITY COORDINATION

ELECTRICAL SITE UTILITY INFORMATION HAS BEEN COORDINATED WITH THE FOLLOWING UTILITY COMPANY REPRESENTATIVES. VERIFY ALL LOCATIONS, DIMENSIONS, CLEARANCES, REGULATIONS, ETC., PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY REVISIONS REQUIRED.

POWER COMPANY	ROCKY MOUNTAIN POWER
CONTACT	BRENT BEDKE
PHONE NO.	(801) 220-6149
EMAIL	Brent.Bedke@rockymountainpower.net
WORK ORDER NO.	#7269740

SHEET KEYNOTES

S3 PROVIDE (1) 4" CONDUIT FOR ROCKY MOUNTAIN POWER. DIV. 26 TO PROVIDE ALL TRENCHING, CONDUIT, BACKFILL, ETC. RMP TO PROVIDE CONDUCTORS. COORDINATE ALL INSTALLATION REQUIREMENTS AND FINAL ROUTING CLOSELY WITH RMP.

S4 COORDINATE LOCATION OF NEW RMP PULL VAULT WITH RMP PRIOR TO ROUGH-IN. DIV. 26 TO PROVIDE AND INSTALL PULLVAULT (GV 501) AND ALL ASSOCIATED INSTALLATION AND PREP TO MAKE READY FOR RMP'S USE. DO NOT EXCEED 800 LINEAR FEET. COORDINATE PATH WITH RMP.

S5 COORDINATE LOCATION OF NEW RMP TRANSFORMER WITH RMP PRIOR TO ROUGH-IN. DIV. 26 TO PROVIDE PAD/VAULT, COORDINATE INSTALLATION REQUIREMENTS WITH RMP.

S6 PROVIDE (1) 4" C. WITH (3) 1-Â¼" SMOOTHWALL INNERDUCT BETWEEN NEW DATA ROOM AND EXISTING DATA ROOM NETWORK G06 WITHIN THE EXISTING BUILDING. FIELD VERIFY ROUTING. PROVIDE 12 STRAND OM4 FIBER WITH (2) CAT6 COPPER CABLING BETWEEN THE EXISTING AND NEW DATA ROOMS.

S7 TRANSITION UNDERGROUND CONDUIT TO SURFACE MOUNT CONDUIT TO RISE UP BEFORE TRANSITIONING TO ACCESSIBLE CEILING. DIV. 26 TO FIELD VERIFY SURFACE MOUNT CONDUIT LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. CONDUIT TO BE PAINTED TO MATCH SURFACES.

S8 PROVIDE (1) 4" CONDUIT WITH (3) 1-Â¼" SMOOTHWALL INNERDUCT ABOVE CEILING THROUGH EXISTING BUILDING TO NETWORK G06. FIELD VERIFY ROUTE AND ROUTE CONDUIT THROUGH ACCESSIBLE CEILINGS. DIV. 26 SHALL PROVIDE ALL CONDUIT, CABLING, SUPPORTS, CORE DRILLING, FIRE PENETRATIONS, AND INSTALLATION AS NECESSARY. PROVIDE 12 STRAND OM4 FIBER WITH (2) CAT6 COPPER CABLING BETWEEN THE EXISTING AND NEW DATA ROOMS.

S9 EXISTING SOCCER AND SOFTBALL SCOREBOARDS TO BE RELOCATED. REFER TO DEMOLITION SHEETS FOR ADDITIONAL INFORMATION. DIV. 26 TO INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION. PROVIDE NEW CONCRETE JUNCTION BOX. VERIFY NEW SCOREBOARD LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.

S10 APPROXIMATE LOCATION OF EXISTING SCOREBOARDS FOR REFERENCE ONLY. DIV. 26 TO PROVIDE ALL WORK ASSOCIATED WITH RELOCATING SCOREBOARD POWER AND DATA CONDUITS TO NEW LOCATIONS INDICATED BY NOTE S9.

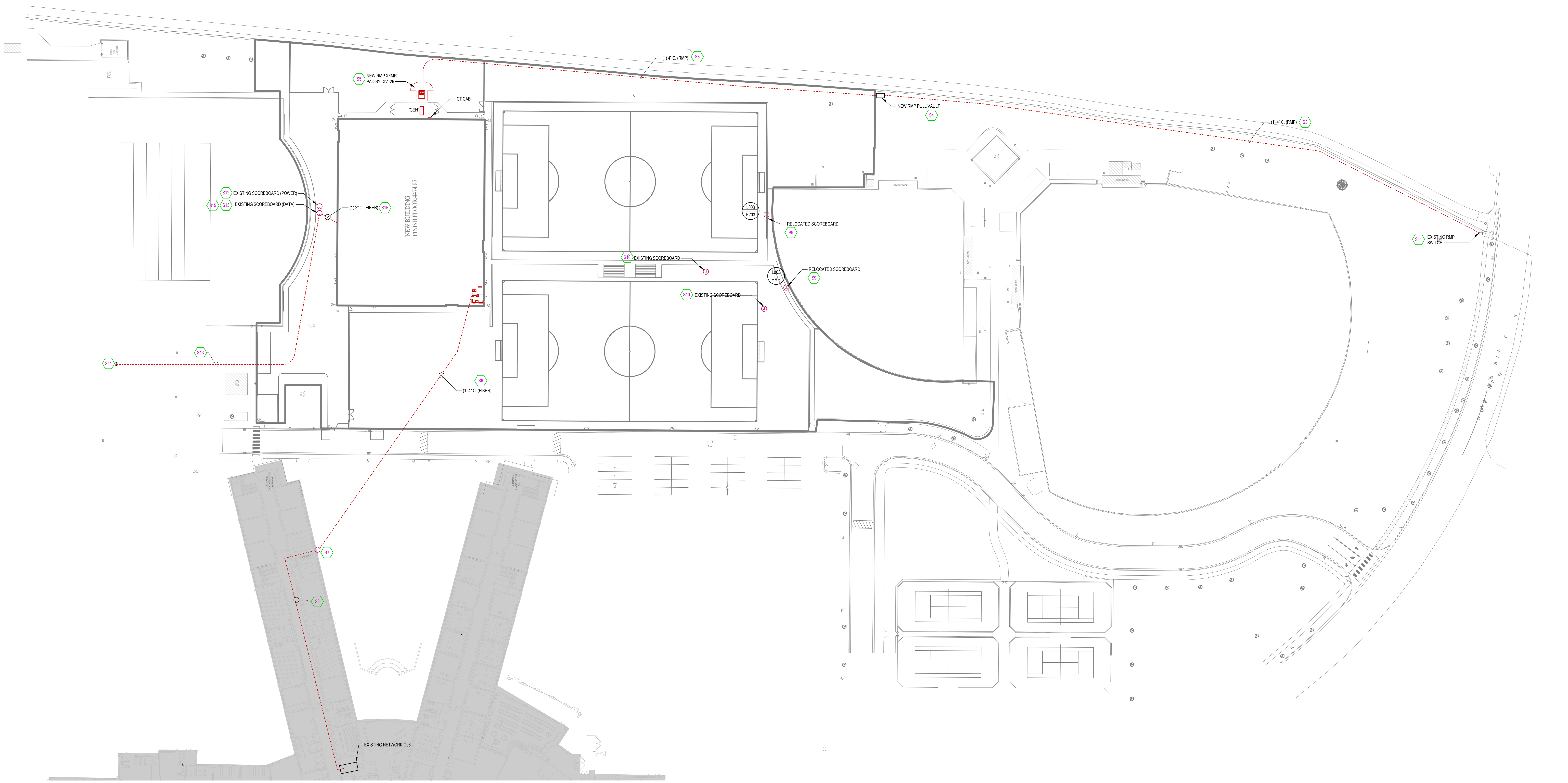
S11 EXISTING RMP SECTIONALIZER. DIV. 26 TO COORDINATE ALL REQUIREMENTS AND TIMELINES WITH RMP.

S12 EXISTING SCOREBOARD TO BE DEMOLISHED. DIV. 26 TO DISCONNECT POWER AND MAKE SAFE FOR DEMOLITION. DIV. 26 TO REMOVE CONDUCTORS BACK TO SOURCE AND RELABEL EXISTING BREAKER AS "SPARE".

S13 EXISTING SCOREBOARD DATA/SIGNAL CONDUIT TO REMAIN, BE PROTECTED IN PLACE, AND REUSED. DIV. 26 TO REMOVE EXISTING DATA/SIGNAL CABLING BETWEEN EXISTING SCOREBOARD AND PRESS BOX. RE-USE EXISTING CONDUIT TO PULL NEW FIBER CABLING (FIBER CABLING FURNISHED BY SCOREBOARD MANUFACTURER, INSTALLED BY DIV. 27) FROM THE EXISTING PRESS BOX THROUGH THE EXISTING CONDUIT TO NEW CONCRETE HANDHOLE LOCATED AT THE BASE OF DEMOLISHED SCOREBOARD BEFORE CONTINUING TO NEW, WALL MOUNTED SCOREBOARD.

S14 APPROXIMATE ROUTING OF EXISTING CONDUIT BETWEEN EXISTING SCOREBOARD AND EXISTING PRESS BOX. DIV. 26 TO FIELD VERIFY ROUTING AND PULL NEW FIBER CABLING THROUGHOUT, REFER TO NOTE S13.

S15 PROVIDE NEW CONCRETE HANDHOLE AT THE BASE OF THE DEMOLISHED SCOREBOARD TO INTERCEPT EXISTING SCOREBOARD DATA CONDUIT FROM THE EXISTING PRESS BOX. PROVIDE (1) 2" CONDUIT FROM CONCRETE HANDHOLE TO NEW, WALL MOUNTED SCOREBOARD AND INSTALL FIBER CABLING THROUGHOUT. REFER TO NOTE S13 AND SHEET E301 FOR ADDITIONAL REQUIREMENTS. COORDINATE STUB UP LOCATION TO NEW SCOREBOARD WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN, NO EXTERIOR SURFACE MOUNT RACEWAY ACCEPTABLE, ROUTE CONDUIT UP INTERIOR WALL.



SITE PLAN
SCALE = 1" = 50'-0"

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037-2202 9/12/24 STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

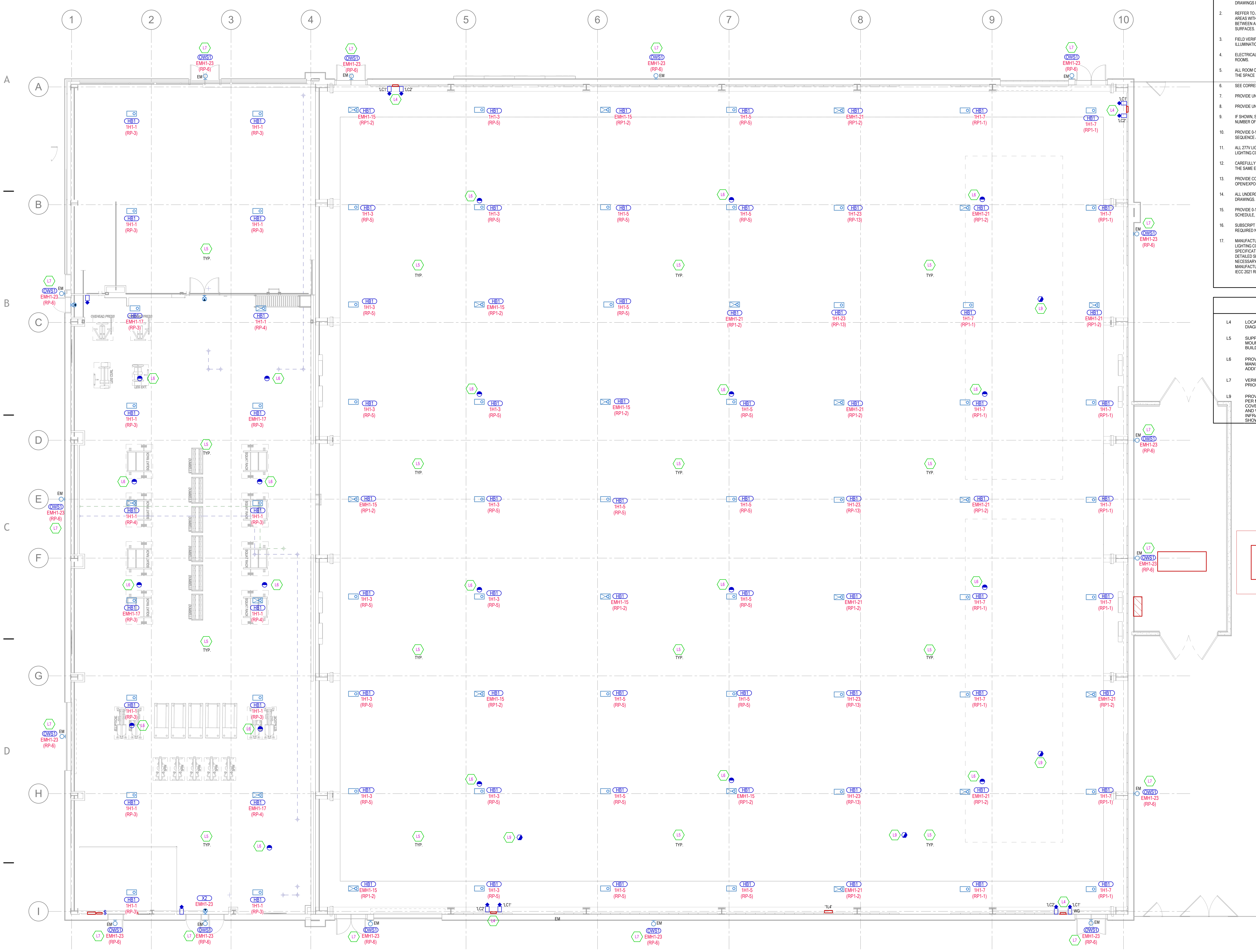
SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NUMBER

E101

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BP2.rvt
9/11/2024 6:16:10 PM



OVERALL BUILDING LIGHTING PLAN
SCALE = 1/8" = 1'-0"

LIGHTING GENERAL NOTES

1. DEVICE HEIGHTS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL ROUGH-IN ELEVATION HEIGHTS WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. ROUGH-IN DEVICES 6" ABOVE DESKTOPS,COUNTERS, ETC.
2. REFFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS.. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
3. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION, REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED
10. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
11. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.
12. CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTING FIXTURE SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES. COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
13. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
14. ALL UNDERCABINET LIGHTS MUST BE COORDINATED WITH MILLWORK FOR EXACT LENGTHS. COORDINATE WITH MILLWORK SHOP DRAWINGS.
15. PROVIDE 0-10V DIMMER CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE, WALL STATION CONTROL SEQUENCE., OR REQUIRED BY IECC 2021.
16. SUBSCRIPT ADJACENT TO LIGHT FIXTURE INDICATES INTENDED CONTROL GROUPING, PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS REQUIRED.
17. MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 LIGHTING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND SPECIFICATIONS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURE'S REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS.

SHEET KEYNOTES

L4 LOCATE WALLSTATION WITHIN SWITCHING CABINET. SEE DIAGRAM P004 FOR MORE INFORMATION. SEE DIAGRAM S002 FOR WALLSTATION LAYOUT AND CONFIGURATION.

L5 SUPPORT FIXTURE FROM METAL BUILDING PURLINS. UTILIZE UNISTRUT TO PROVIDE A SECURE AND RIGID MOUNTING BRACKET FOR LIGHT FIXTURES. COORDINATE FINAL FIXTURE LOCATIONS WITH METAL FRAME BUILDING SHOP DRAWINGS PRIOR TO ROUGH-IN.

L6 PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.

L7 VERIFY EXACT MOUNTING HEIGHT OF LIGHT FIXTURE(S). COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-N.

L9 PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2021 C405.2.3.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE SPACE FOR PROPER COVERAGE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE WITH DAYLIGHT SENSOR (PHOTODIODE) AND WIRE THE FIXTURES 0-10V DRIVERS ACCORDINGLY. PROVIDE LLLC OR PROVIDE ALL ADDITIONAL INFRASTRUCTURE TO MEET NEW IECC 2021 REQUIREMENTS WITH DAYLIGHT ZONES AND CONTROL ZONES SHOWN.

BASE BID

1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

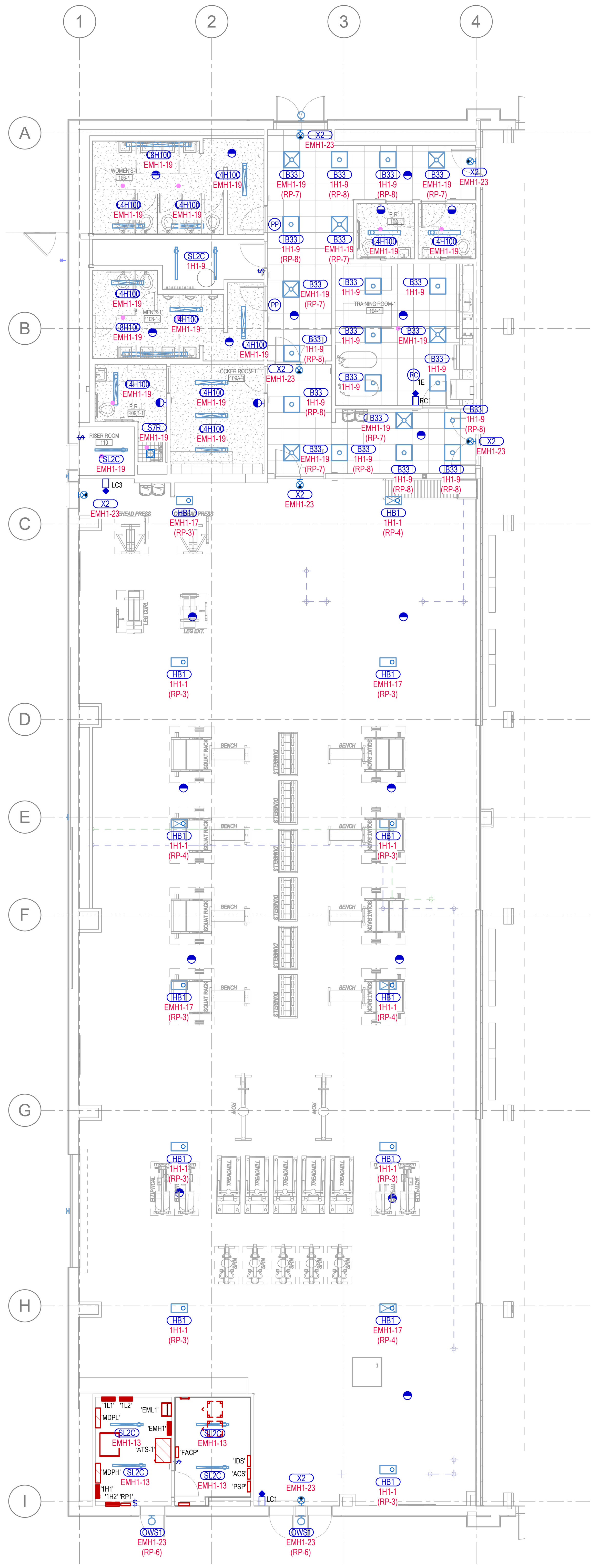
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

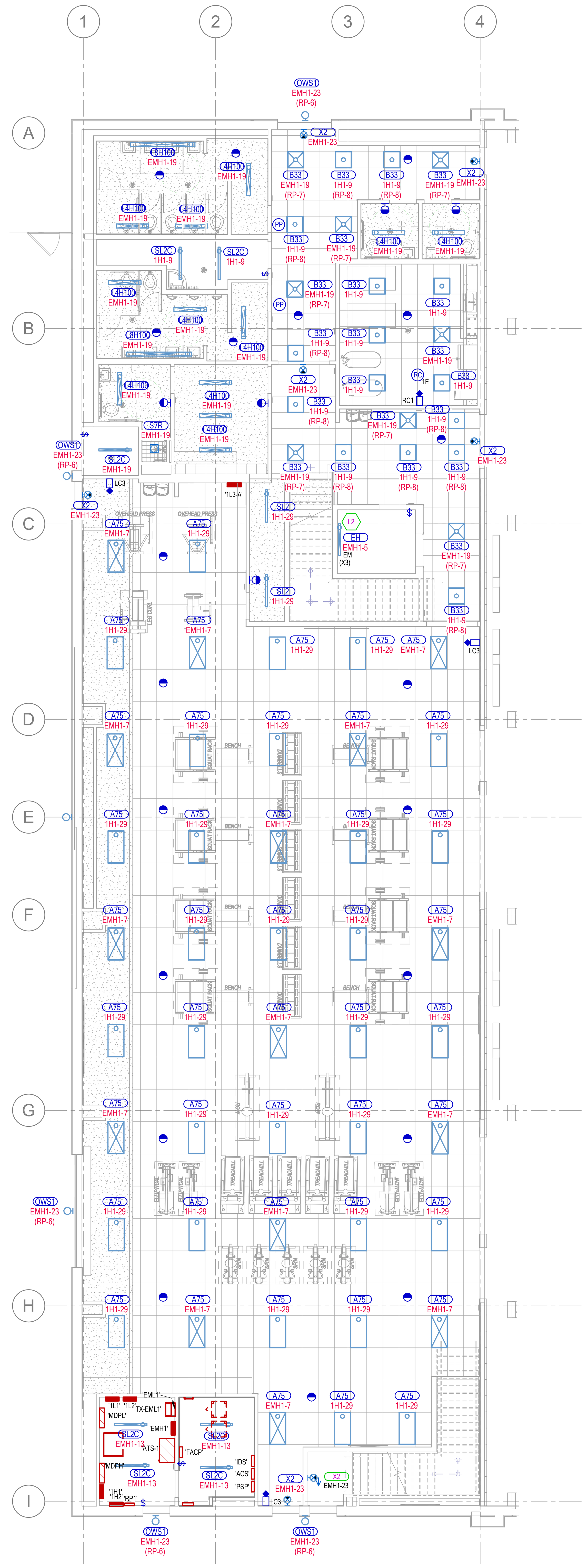
PRIMARY LIGHTING RCP

SHEET NUMBER

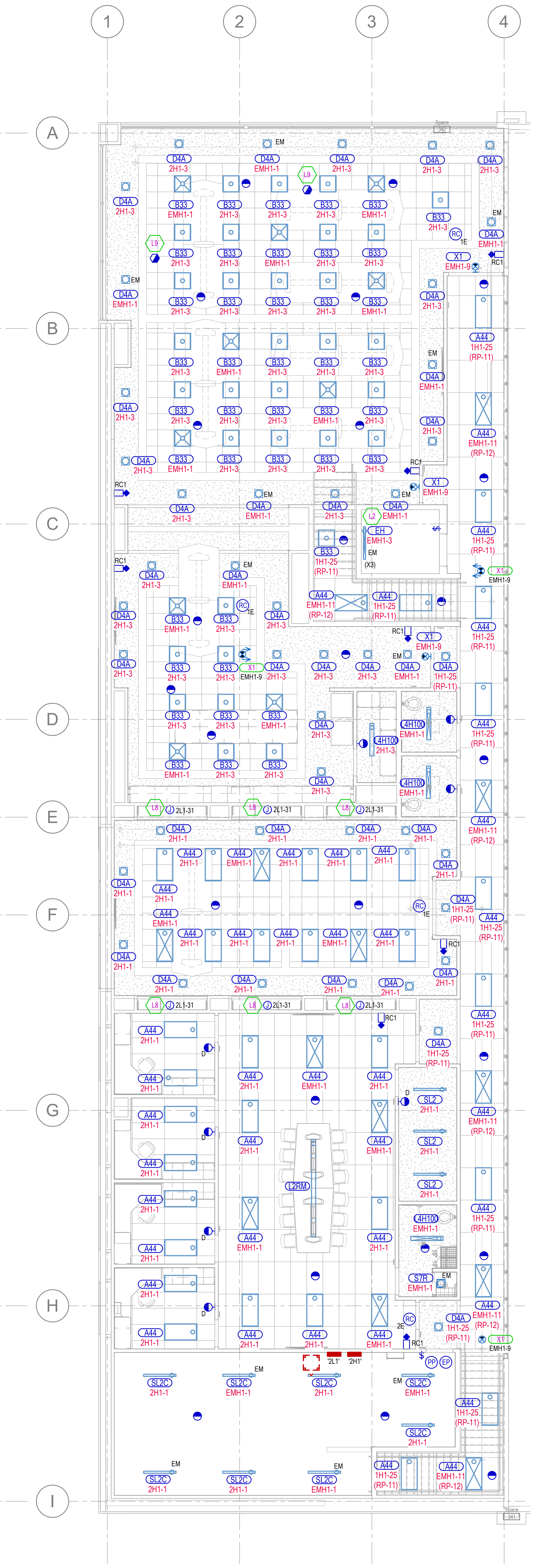
E201



1 MAIN FLOOR LIGHTING PLAN - PRIMARY
SCALE = 1/8" = 1'-0"



2 MAIN FLOOR LIGHTING PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"



3 SECOND FLOOR LIGHTING PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"

LIGHTING GENERAL NOTES

1. DEVICE HEIGHTS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL ROUGH-IN ELEVATION HEIGHTS WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. ROUGH-IN DEVICES 6" ABOVE DESKTOPS,COUNTERS, ETC.
2. REFFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS.. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
3. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION, REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED
10. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
11. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.
12. CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTING FIXTURE SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES. COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
13. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
14. ALL UNDERCABINET LIGHTS MUST BE COORDINATED WITH MILLWORK FOR EXACT LENGTHS. COORDINATE WITH MILLWORK SHOP DRAWINGS.
15. PROVIDE 0-10V DIMMER CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE, WALL STATION CONTROL SEQUENCE., OR REQUIRED BY IECC 2021.
16. SUBSCRIPT ADJACENT TO LIGHT FIXTURE INDICATES INTENDED CONTROL GROUPING, PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS REQUIRED.
17. MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 LIGHTING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND SPECIFICATIONS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURE'S REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS.

SHEET KEYNOTES

L2 PROVIDE A TOTAL OF 3 EH FIXTURES. MOUNT AND SPACE EVENLY THROUGHOUT THE ELEVATOR SHAFT. PROVIDE SWITCH CONTROL AS SHOWN.

L8 COORDINATE CONNECTION REQUIREMENTS TO ILLUMINATED/INTEGRATED OUTLET DISPLAY CASE UNIT WITH MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGH-IN.

L9 PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2021 C405.2.3.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE SPACE FOR PROPER COVERAGE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE WITH DAYLIGHT SENSOR (PHOTODIODE) AND WIRE THE FIXTURES 0-10V DRIVERS ACCORDINGLY. PROVIDE LLLC OR PROVIDE ALL ADDITIONAL INFRASTRUCTURE TO MEET NEW IECC 2021 REQUIREMENTS WITH DAYLIGHT ZONES AND CONTROL ZONES SHOWN.

ALTERNATE #1

1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

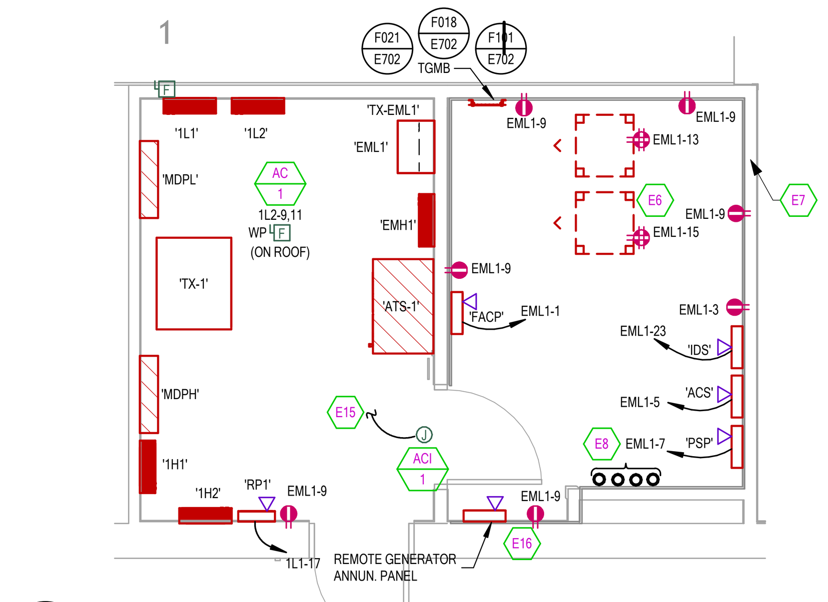
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE LIGHTING RCP

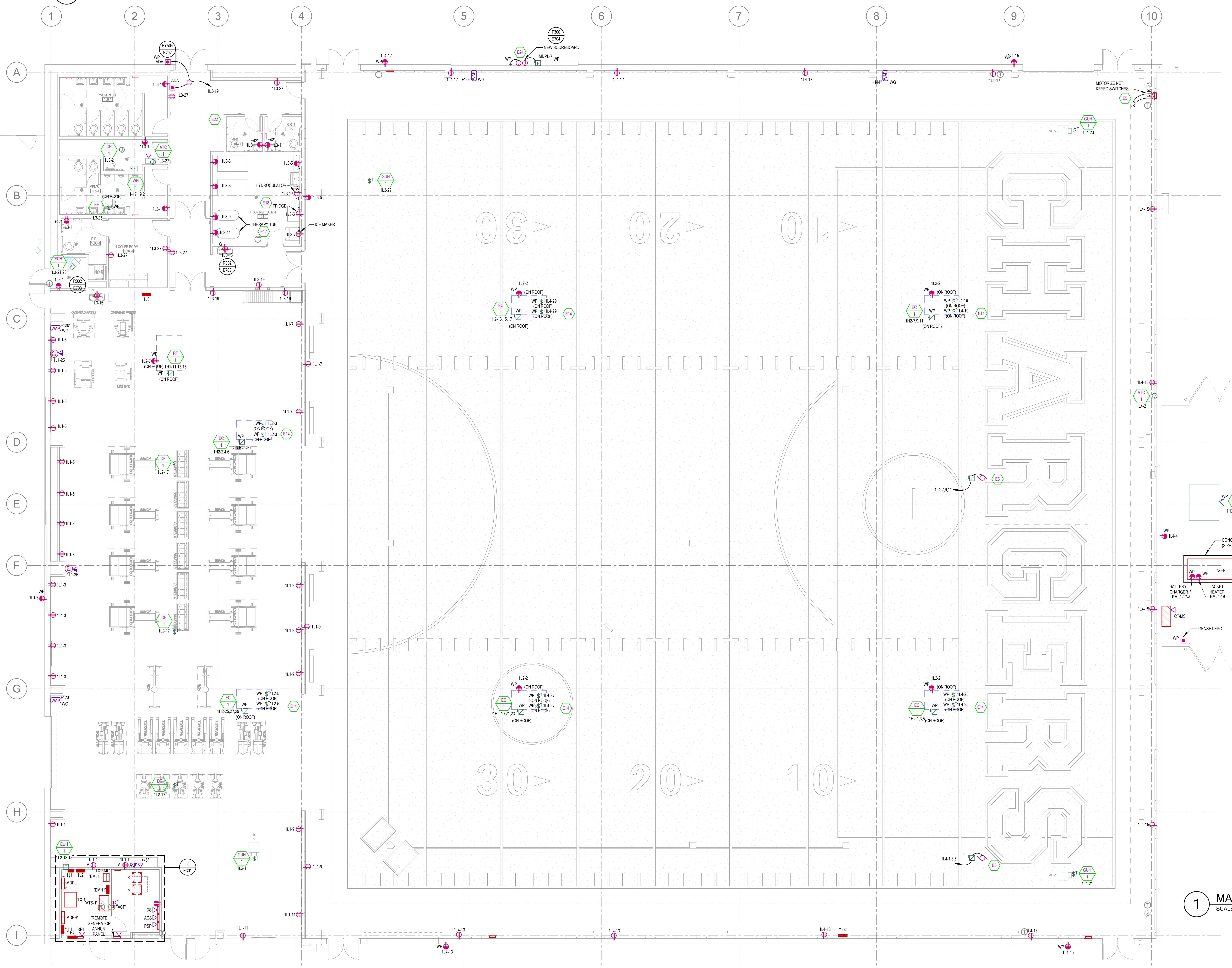
SHEET NUMBER

E202



2 ENLARGED ELECTRICAL AND TDR ROOM

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



1 MAIN LEVEL ELECTRICAL FLOOR PLAN

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

POWER GENERAL SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGH VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIOVISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND, AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUXTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDED GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANHY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6 ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATINO OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM THE NEAREST PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012 ON SHEET E701.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
10. DIVISION-26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. COORDINATE WITH THE CONTROLS CONTRACTOR AND VERIFY EXACT LOCATION OF ALL THERMOSTATS.

SHEET KEYNOTES

E5	COORDINATE POWER REQUIREMENTS FOR SPORTS NETTING MOTORS PRIOR TO ROUGH-IN AND ADJUST CIRCUIT WIRING AND OCPD AS REQUIRED. LOCATE AND TERMINATE COMPLETELY THE CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK, #OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. LOCATE MOMENTARY TOGGLE SWITCH IN SWITCHING CABINET. SEE DIAGRAM P004/E2.42 FOR MORE INFORMATION.
E6	ROUTE CONDUIT DOWN ALONG RACK POST AND MOUNT +18 INCH A.F.F.
E7	PROVIDE 3/4 INCH FIRE-TREATED PLYWOOD ON WALLS. REFER TO SPECIFICATIONS (SECTION 27 1500) FOR REQUIREMENTS.
E8	PROVIDE A MINIMUM OF (4) 4â€ CONDUIT STUBS BETWEEN FLOORS. ASSURE THAT THERE ARE AT LEAST (2) SPARE/EMPTY CONDUITS AVAILABLE. PROVIDE FIRE CAULKING AS REQUIRED PER SPECIFICATIONS.
E14	DIV. 26 2 ELECTRICAL CONNECTIONS FOR 2 PUMPS PER COOLER. VERIFY WITH MECHANICAL PRIOR TO ROUGH-IN.
E15	SPLIT AC SYSTEM. PROVIDE 3/4" CONDUIT AND REQUIRED UNIT WIRING BETWEEN OUTDOOR AND INDOOR UNIT. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL CONDUIT AND WIRING. COORDINATE LOCATION TERMINATION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
E16	CONFIRM LOCATION OF REMOTE GENERATOR ANNUNCIATOR PANEL WITH OWNER PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURER'S REQUIREMENTS.
E17	VERIFY LOCATION OF OUTLET WITH THERAPY TUB MANUFACTURER PRIOR TO ROUGH-IN TO ENSURE OUTLET REMAINS ACCESSIBLE.
E18	DIV. 26 TO VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITHIN THE TRAINING ROOM WITH MANUFACTURER SHOP DRAWINGS DURING CONSTRUCTION. REVISE BREAKERS AND CONDUCTORS AS NEEDED.
E22	HAND DRYER LOCATION. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE GFCI BREAKER WITHIN PANELBOARD.
E24	DIV. 26 TO COORDINATE POWER AND FIBER ROUGH-IN LOCATIONS AND REQUIREMENTS CLOSELY WITH MANUFACTURER'S SHOP DRAWINGS. REFER TO SITE PLAN FOR FIBER REQUIREMENTS FROM THE PRESS BOX.

BASE BID

1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

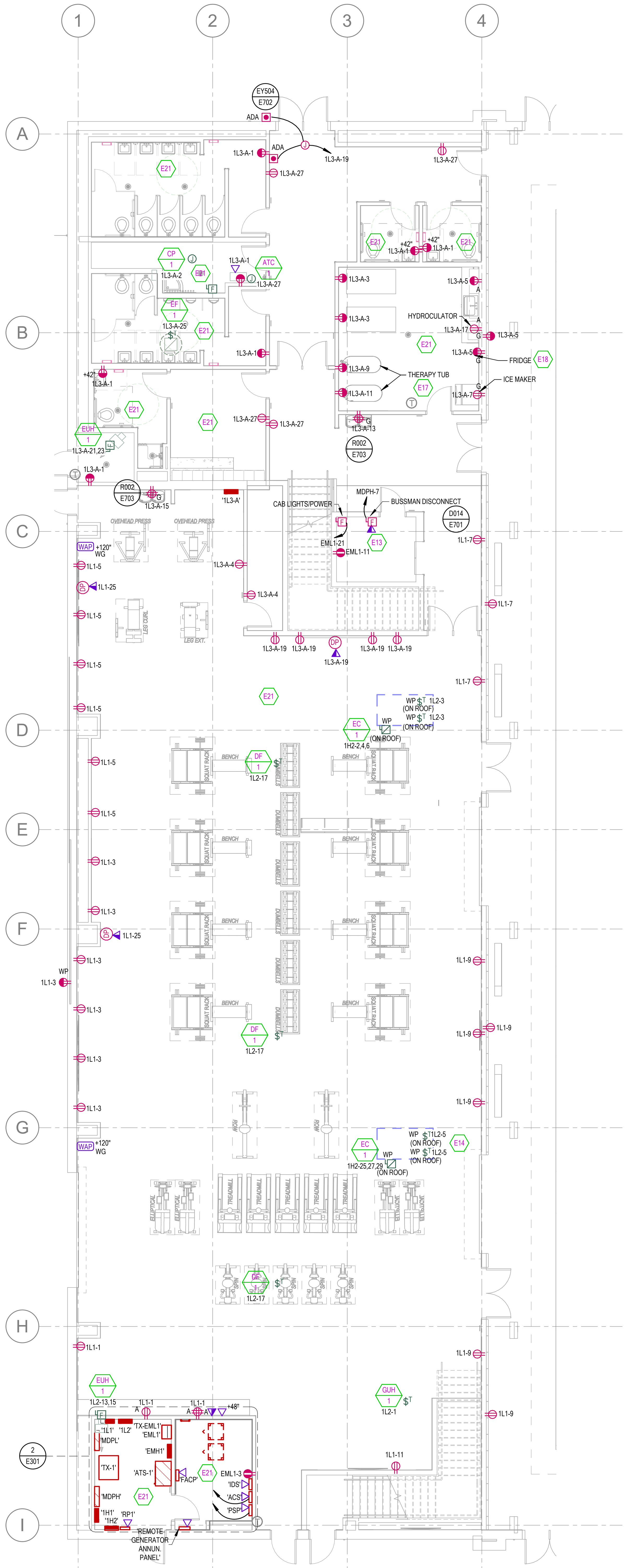
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

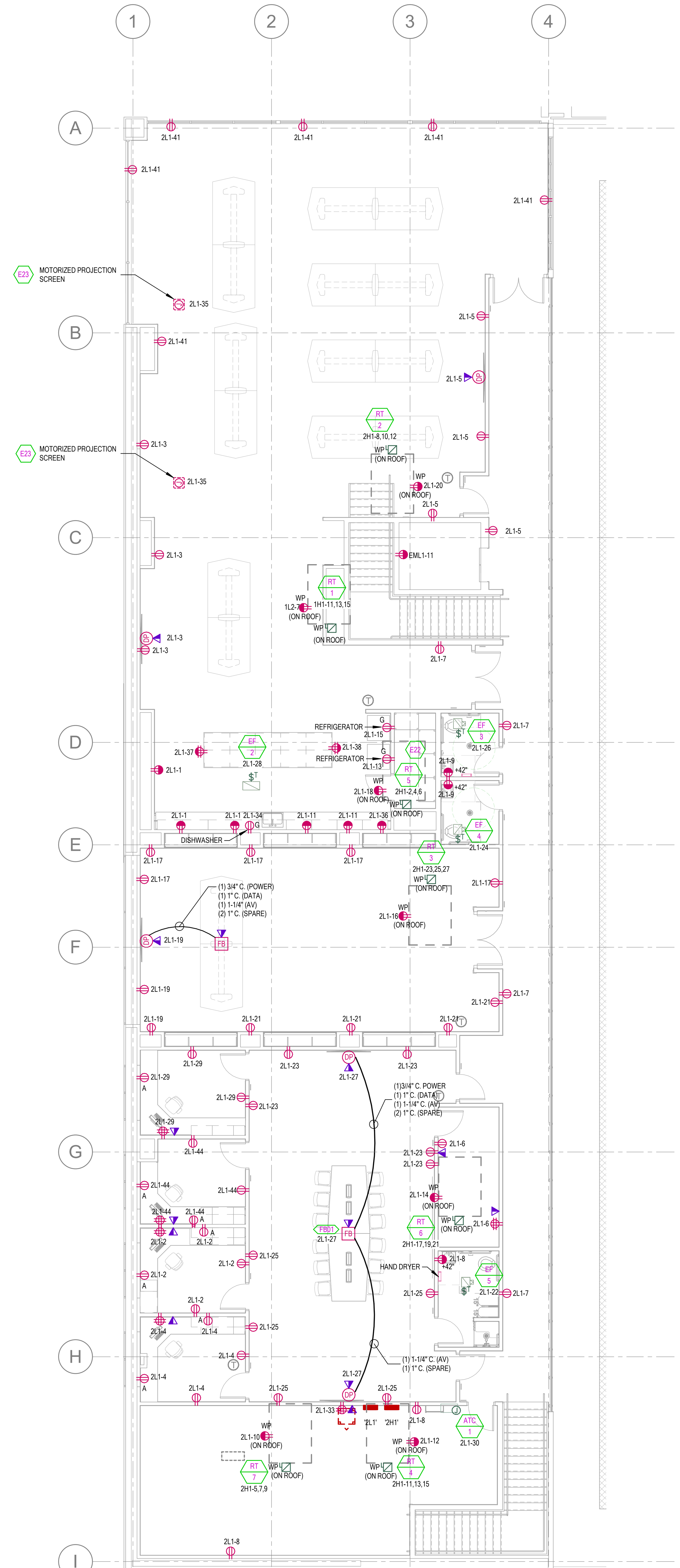
MAIN LEVEL ELECTRICAL FLOOR PLAN

SHEET NUMBER

E301



MAIN LEVEL POWER FLOOR PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"



UPPER LEVEL POWER FLOOR PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"

POWER GENERAL SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGH VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIOVISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND, AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUXTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDED GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANHY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6 ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATINO OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM THE NEAREST PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012 ON SHEET E701.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
10. DIVISION-26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. COORDINATE WITH THE CONTROLS CONTRACTOR AND VERIFY EXACT LOCATION OF ALL THERMOSTATS.

SHEET KEYNOTES

E13	DIV. 26 TO VERIFY ELEVATOR CONTROL PANEL WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.EXTEND POWER AND CONTROL WIRING FROM DISCONNECT TO CONTROL PANEL LOCATED AT TOP FLOOR LANDING IN RECESSED ELEVATOR DOOR PANEL.
E14	DIV. 26 2 ELECTRICAL CONNECTIONS FOR 2 PUMPS PER COOLER. VERIFY WITH MECHANICAL PRIOR TO ROUGH-IN.
E17	VERIFY LOCATION OF OUTLET WITH THERAPY TUB MANUFACTURER PRIOR TO ROUGH-IN TO ENSURE OUTLET REMAINS ACCESSIBLE.
E18	DIV. 26 TO VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITHIN THE TRAINING ROOM WITH MANUFACTURER SHOP DRAWINGS DURING CONSTRUCTION. REVISE BREAKERS AND CONDUCTORS AS NEEDED.
E21	DEVICES SHOWN FOR REFERENCE ONLY. REFER TO BASE BID SHEETS FOR THIS AREA AND INCLUDE ALL DEVICES SHOWN. INDICATED PLAN SHOWS REVISED WORK PERTAINING TO THE ADDITION OF THE ELEVATOR IN ALTERNATE #1.
E22	HAND DRYER LOCATION. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE GFCI BREAKER WITHIN PANELBOARD.
E23	PROVIDE POWER CIRCUIT IN JUNCTION BOX FOR MOTORIZED PROJECTION SCREEN. CONNECT TO SCREEN JUNCTION BOX / MOTOR HOUSING WITH FLEXIBLE WHIP. COORDINATE EXACT LOCATION WITH PROJECTION SCREEN CASE AND SUPPORT ASSEMBLY.

ALTERNATE #1

1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

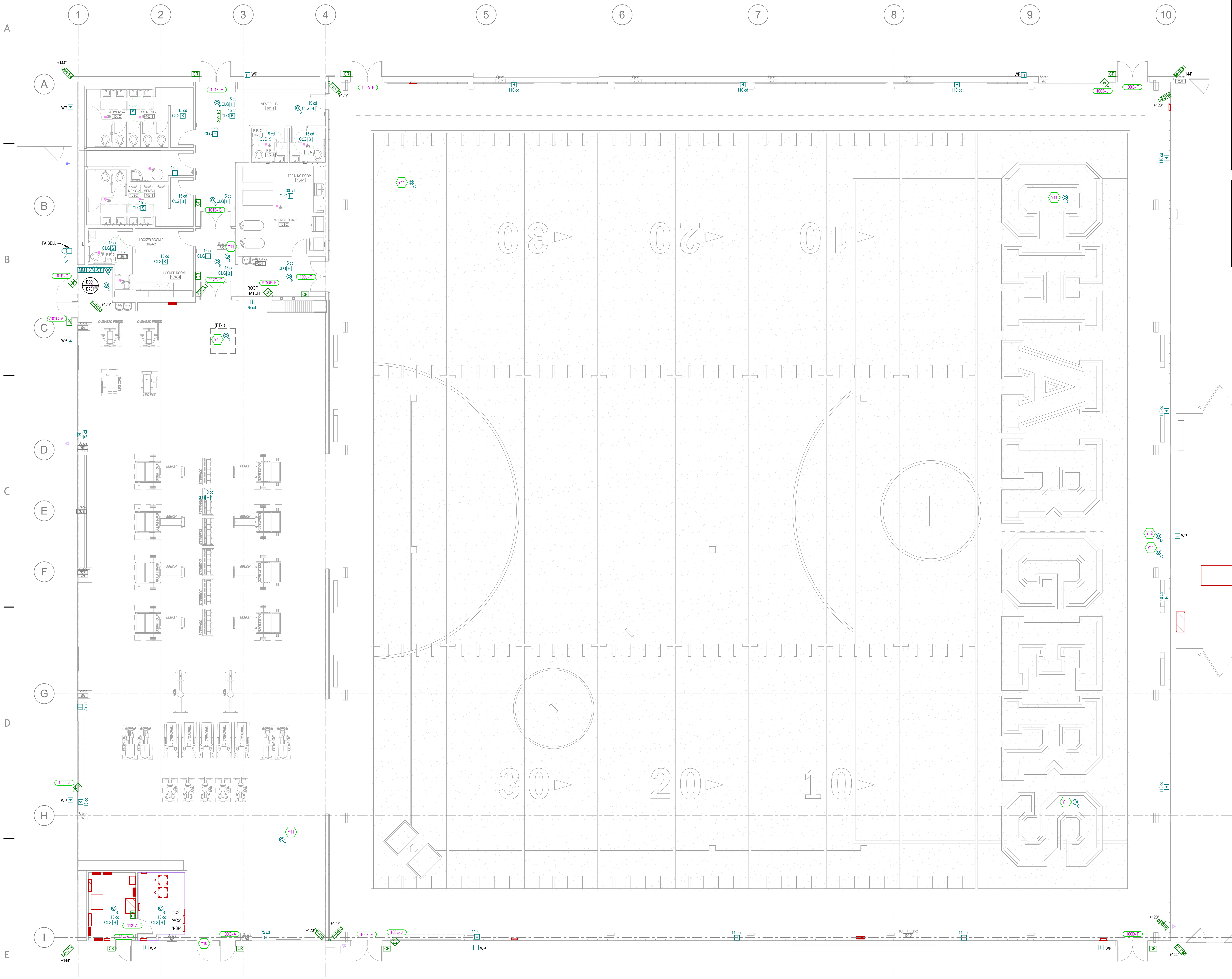
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE ELECTRICAL FLOOR PLAN

SHEET NUMBER

E302



MAIN FLOOR SYSTEMS PLAN
SCALE = 1/8" = 1'-0"

SYSTEMS GENERAL NOTES

1. FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. ALL NEW EQUIPMENT/DEVICE QUANTITIES, LOCATION, AND ALL NATIONAL & LOCAL CODE COMPLIANCE TO BE PROVIDED AND STAMPED BY A LICENSED FIRE ALARM ENGINEER AND INCLUDED IN THE FIRE ALARM CONTRACTORS BID. IN NO WAY ARE THE DEVICES SHOWN ON THESE DRAWINGS TO BE IMPLEMENTED AS FINAL DESIGN DOCUMENTS.
2. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, PRECAST CONCRETE, MASONRY AND GYP WALLS.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT QUANTITY AND LOCATIONS OF ALL FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES WITH FIRE SPRINKLER DRAWINGS. CONNECT ALL TAMPER AND FLOW SWITCHES TO FIRE ALARM SYSTEM.
4. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF ALL DUCT TYPE SMOKE DETECTORS WITH MECHANICAL CONTRACTOR. HARD WIRE TO RELAY STARTER.
5. PROVIDE FIRE ALARM RELAY MODULES FOR ALL DOORS WITH ACCESS CONTROL DEVICES.
6. PROVIDE (2) DUCT TYPE SMOKE DETECTOR FOR EACH FAN COIL UNIT, AHU, SUPPLY FAN AND HEAT PUMP OF 2000 CFM OR GREATER.
7. PROVIDE 120V CIRCUIT FROM THE NEAREST EQUIPMENT BRANCH PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5'-0" OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012.
8. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS NEEDED FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
9. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS NEEDED FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.

SHEET KEYNOTES

Y10	ROUGH-IN AND PREWIRE THIS DOOR TO HAVE A CREDENTIAL CARD READER ON THE EXTERIOR LATCHING SIDE OF THE DOOR, A DOOR POSITION CONTACT, AND A OSDP ACCESS CONTROL COMPOSITE CABLE. REFER TO THE "TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRA" #EY101 FOR MORE INFORMATION.
Y11	PROVIDE A CO DETECTOR WITH CONTROL MODULE FOR UNIT SHUTDOWN WITHIN EVERY SPACE SERVED BY A PACKAGED ROOFTOP UNIT. CONTROL MODULE WITH FAN SHUT DOWN RELAY FOR LOCAL CARBON-MONOXIDE DETECTOR ACTIVATION AND SHUTDOWN OF RTU. TIE TO FIRE ALARM SYSTEM AS REQUIRED. LOCATE DETECTOR AT FIRST SUPPLY DIFFUSER IN THE SPACE.
Y12	PROVIDE FIRE ALARM SYSTEM DUCT DETECTOR(S) AS REQUIRED. COORDINATE WITH DIVISION 23 CONTRACTOR FOR THE QUANTITY AND FOR MOUNTING IN MECHANICAL UNIT DUCT WORK.

BASE BID

1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP
PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

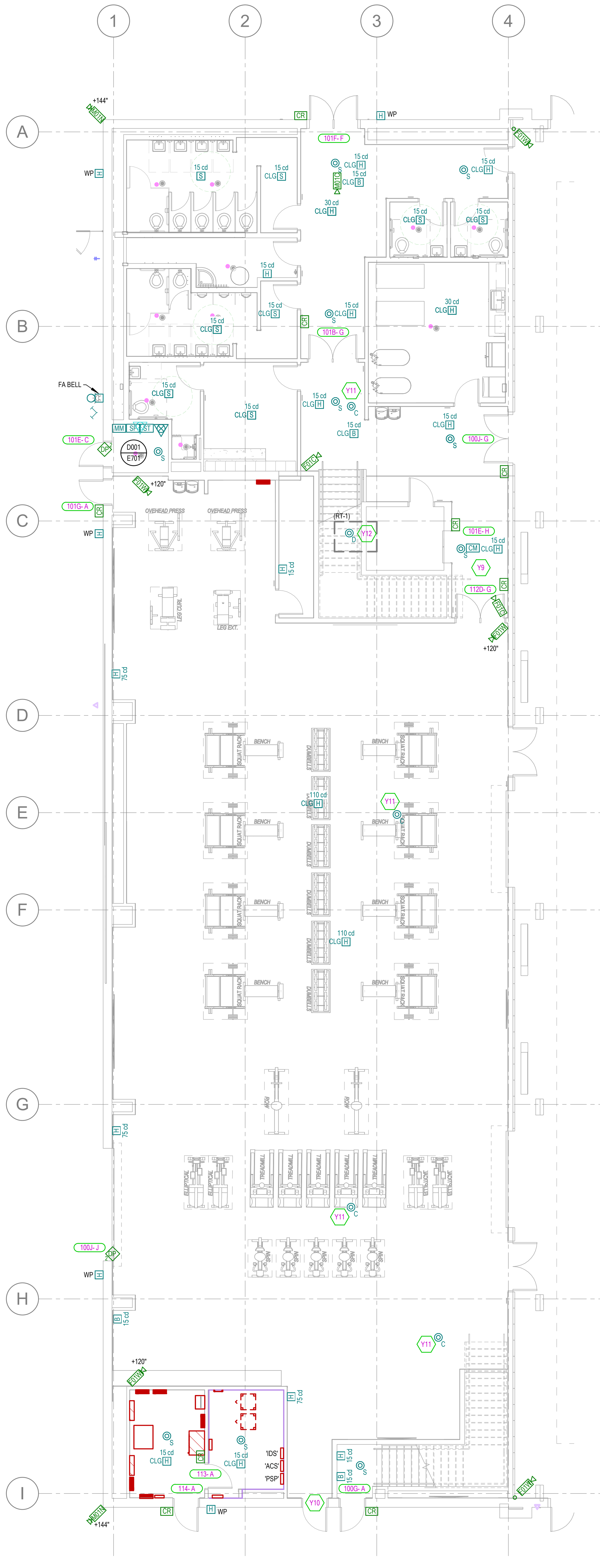
DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

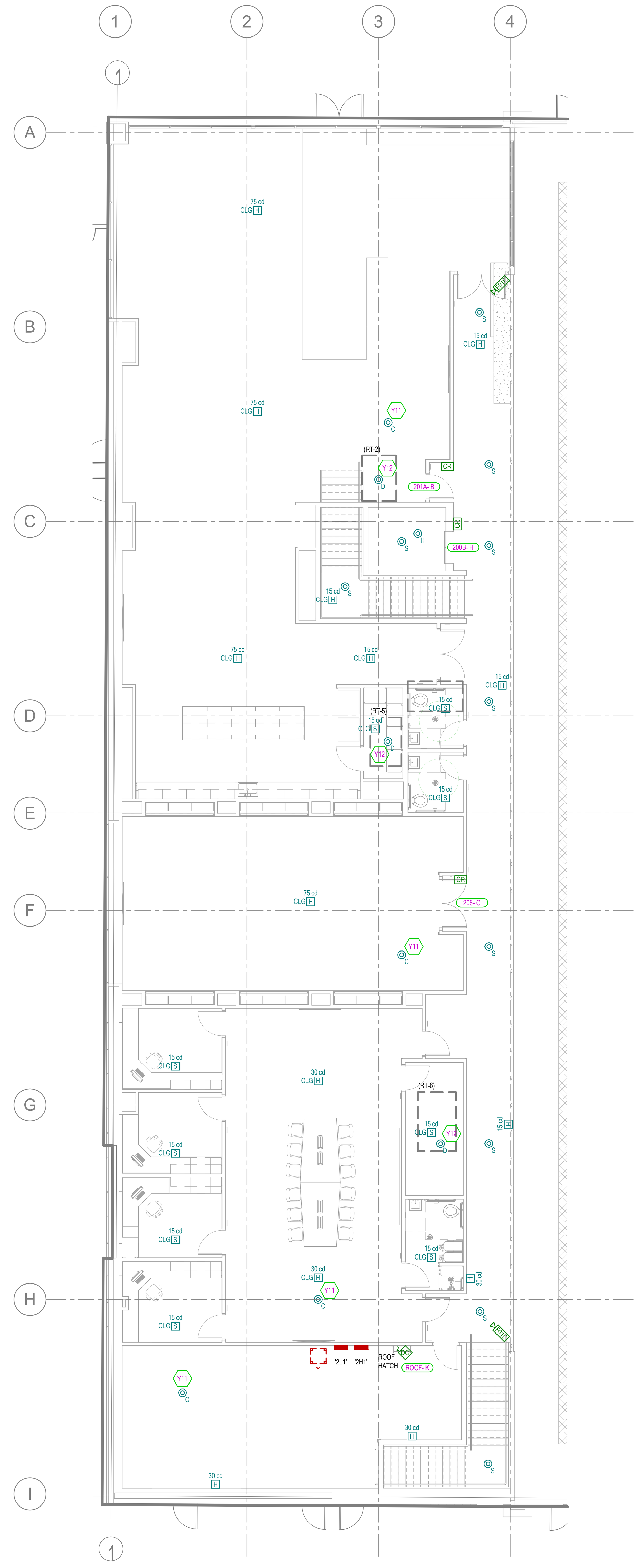
SHEET TITLE
MAIN LEVEL SYSTEM FLOOR PLAN

SHEET NUMBER
E401

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BP2.rvt
9/11/2024 6:16:25 PM



2 MAIN LEVEL SYSTEMS FLOOR PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"



3 UPPER LEVEL SYSTEMS FLOOR PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"

SYSTEMS GENERAL NOTES

1. FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. ALL NEW EQUIPMENT/DEVICE QUANTITIES, LOCATION, AND ALL NATIONAL & LOCAL CODE COMPLIANCE TO BE PROVIDED AND STAMPED BY A LICENSED FIRE ALARM ENGINEER AND INCLUDED IN THE FIRE ALARM CONTRACTORS BID. IN NO WAY ARE THE DEVICES SHOWN ON THESE DRAWINGS TO BE IMPLEMENTED AS FINAL DESIGN DOCUMENTS.
2. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, PRECAST CONCRETE, MASONRY AND GYP WALLS.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT QUANTITY AND LOCATIONS OF ALL FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES WITH FIRE SPRINKLER DRAWINGS. CONNECT ALL TAMPER AND FLOW SWITCHES TO FIRE ALARM SYSTEM.
4. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF ALL DUCT TYPE SMOKE DETECTORS WITH MECHANICAL CONTRACTOR. HARD WIRE TO RELAY STARTER.
5. PROVIDE FIRE ALARM RELAY MODULES FOR ALL DOORS WITH ACCESS CONTROL DEVICES.
6. PROVIDE (2) DUCT TYPE SMOKE DETECTOR FOR EACH FAN COIL UNIT, AHU, SUPPLY FAN AND HEAT PUMP OF 2000 CFM OR GREATER.
7. PROVIDE 120V CIRCUIT FROM THE NEAREST EQUIPMENT BRANCH PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5'-0" OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012.
8. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS NEEDED FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
9. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS NEEDED FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.

SHEET KEYNOTES

Y9	SEE SPECIFICATIONS 26 0510 (ELEVATOR ELECTRICAL REQUIREMENTS) FOR FIRE ALARM SYSTEM AND ELEVATOR INTEGRATION E.G. LOBBIES, HOISTWAYS, ELEVATOR ROOMS, ETC. PROVIDE REQUIRED DEVICES, DISCONNECTS, AND SYSTEM CONNECTIONS AS REQUIRED.
Y10	ROUGH-IN AND PREWIRE THIS DOOR TO HAVE A CREDENTIAL CARD READER ON THE EXTERIOR LATCHING SIDE OF THE DOOR, A DOOR POSITION CONTACT, AND A OSDP ACCESS CONTROL COMPOSITE CABLE. REFER TO THE "TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRA" #EY101 FOR MORE INFORMATION.
Y11	PROVIDE A CO DETECTOR WITH CONTROL MODULE FOR UNIT SHUTDOWN WITHIN EVERY SPACE SERVED BY A PACKAGED ROOFTOP UNIT. CONTROL MODULE WITH FAN SHUT DOWN RELAY FOR LOCAL CARBON-MONOXIDE DETECTOR ACTIVATION AND SHUTDOWN OF RTU. TIE TO FIRE ALARM SYSTEM AS REQUIRED. LOCATE DETECTOR AT FIRST SUPPLY DIFFUSER IN THE SPACE.
Y12	PROVIDE FIRE ALARM SYSTEM DUCT DETECTOR(S) AS REQUIRED. COORDINATE WITH DIVISION 23 CONTRACTOR FOR THE QUANTITY AND FOR MOUNTING IN MECHANICAL UNIT DUCT WORK.

ALTERNATE #1

1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
SYSTEM MAIN FLOOR AND ALTERNATE FLOOR PLAN

SHEET NUMBER
E402

DIAGRAM KEYNOTES:

1. MOUNT ACCESS CONTROL DOOR CONTACT & INTRUSION DETECTION DOOR CONTACT 3-6" AWAY FROM LATCHING SIDE OF DOOR.
2. REFER TO DIV.8 SPECIFICATIONS FOR ADA EQUIPMENT TYPES, AND POWER SHEET PLANS FOR DEVICE LOCATIONS. PROVIDE 3/4" CONDUIT FROM ADA TO 4SQ J-BOX WITH COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
3. PROVIDE MANUFACTURER SUGGESTED J-BOX WITH 3/4" CONDUIT FROM ELECTRIFIED DOOR HARDWARE EQUIPMENT AND ANY OTHER INSTALLED END DEVICES TO 4SQ J-BOX W/ COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
4. PROVIDE HORIZONTAL SINGLE GANG J-BOX WITH 3/4" CONDUIT FOR REQUEST TO EXIT MOTION.
5. PROVIDE 4SQ J-BOX WITH VERTICAL SINGLE GANG MUD RING AND 3/4" CONDUIT FOR STANDARD SIZE CREDENTIAL CARD READER.
6. ROUTE DEVICE CABLING THROUGH DOOR FRAME OR MULLIONS. MOUNT DEVICES DIRECTLY TO THE DOOR FRAME OR MULLION WITHOUT J-BOX.
7. PROVIDE SPECIFIED J-HOOKS OR CONDUIT.
8. PROVIDE EXTERIOR CABLING QUICK-DISCONNECT AT THE TOP OF DOOR FRAME FOR ELECTRIC STRIKE(S) ON REMOVABLE MULLIONS.
9. ELECTRIC POWER TRANSFER HING / ELECTRIC HINGE / ELECTRIC POWER TRANSFER LOOP (SEE DIV.8 SPEC).

NOTE: DEVICES SHOWN ON THESE DIAGRAMS ARE NOT TO SCALE AND ANY/ALL MAY OR MAY NOT BE REQUIRED. DIAGRAM REPRESENTS TYPICAL ROUGH-IN AND DEVICE LOCATIONS. CONTRACTOR MUST REFER TO DIV. 8 SPECIFICATIONS FOR ELECTRIFIED DOOR EQUIPMENT TYPES AND THE SECURITY DRAWINGS FOR ACCESS CONTROL DEVICE LOCATIONS.

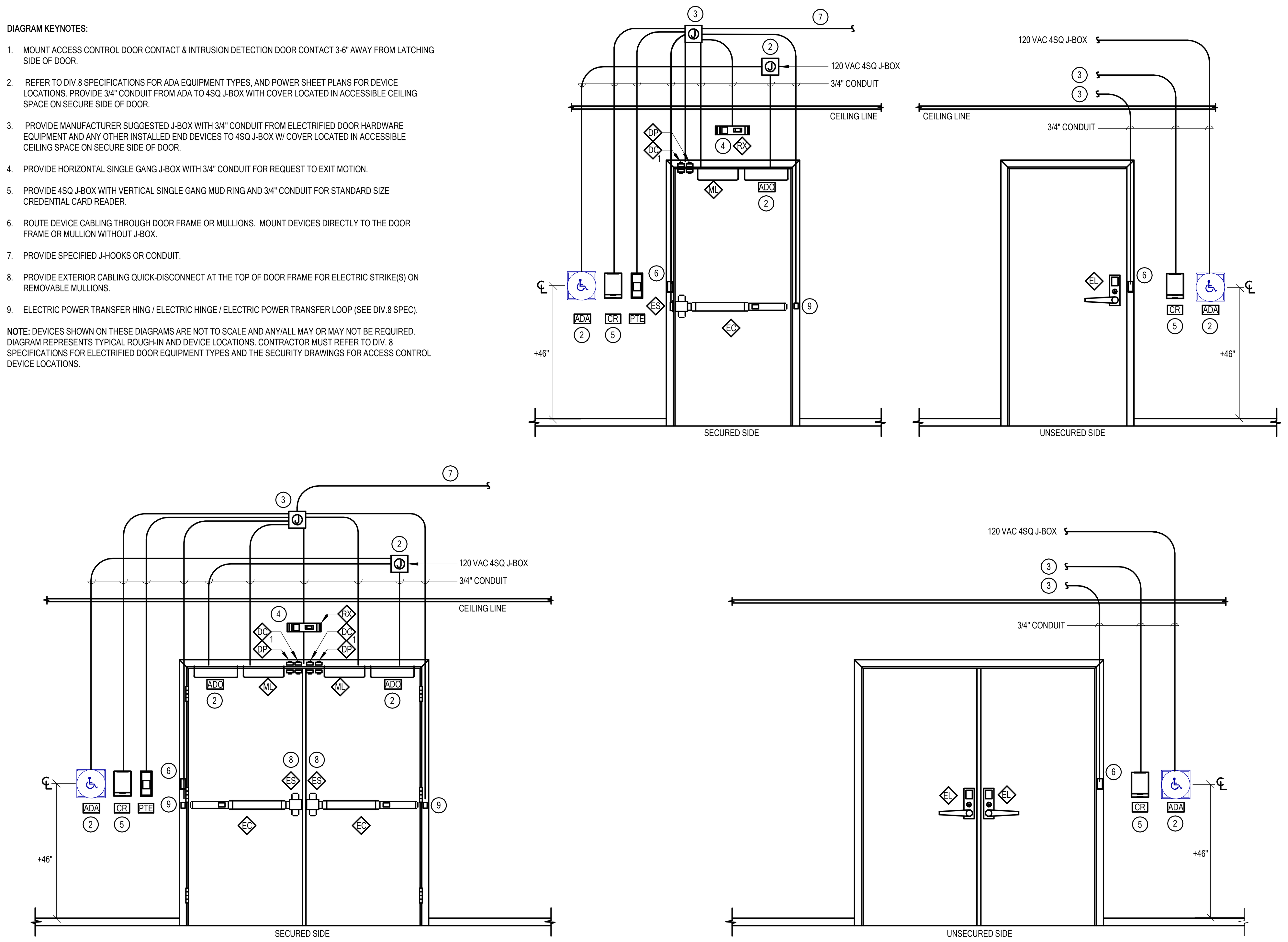


DIAGRAM EY101 TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAMS
NTS

DIAGRAM NOTE:

1. DEVICES SHOWN DIAGRAMMATICALLY ONLY.
2. PROVIDE 2" CONDUIT(S) UP TO ACCESSIBLE CEILING SPACE FROM THE ACCESS CONTROL HEAD-END PANEL(S). CONDUIT FILL RATIO IS NOT TO EXCEED 40%.

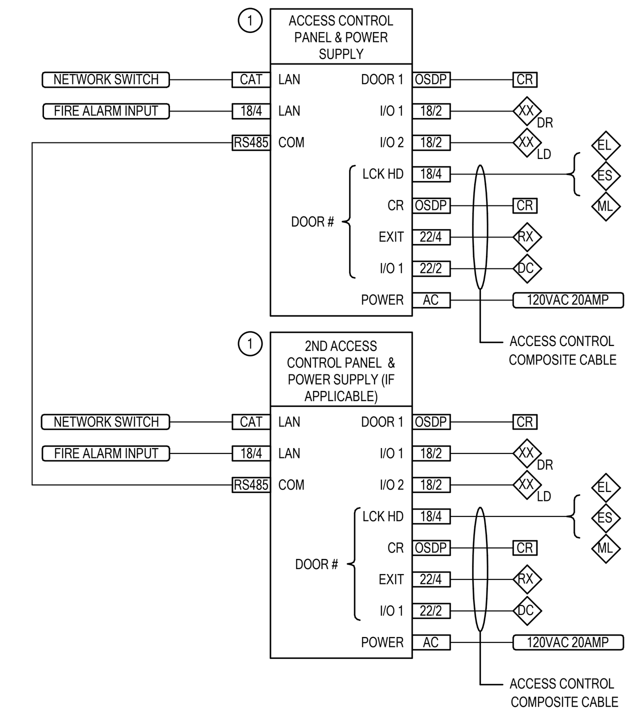


DIAGRAM EY002 TYPICAL ACCESS CONTROL - ONE LINE DIAGRAM
NTS

DIAGRAM NOTE:

PROVIDE A SINGLE GANG JUNCTION BACKBOX WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED RACEWAY TO ROUTE CABLING TO THE DESIGNATED CONTROL PANELS WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END OF THE CABLING.

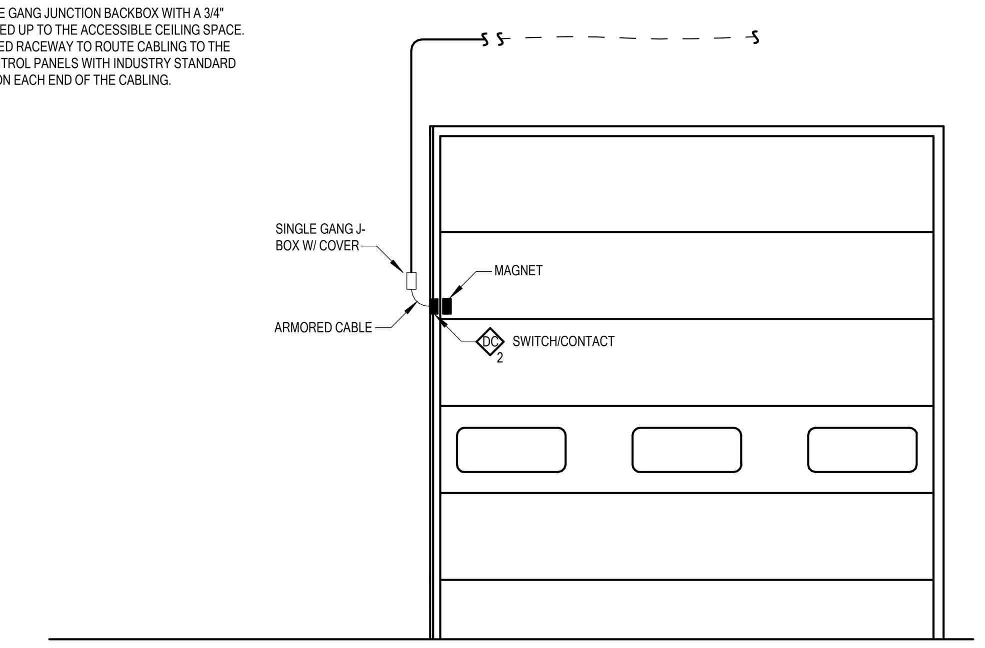


DIAGRAM EY104 TYPICAL GARAGE DOOR WITH CONTACT
NTS

DIAGRAM KEYNOTES

PROVIDE A MANUFACTURER SUGGESTED JUNCTION BACKBOX WITH A COVER THAT IS MOUNTED ON THE BUILDING'S INTERIOR WALL, WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED RACEWAY TO ROUTE THE CAMERA CATEGORY CABLE BACK TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END OF THE CATEGORY CABLE. TERMINATE THE CATEGORY CABLE TO THE ASSIGNED PATCH PANEL, AND TEST.
THE HOLE THAT IS DRILLED THROUGH THE WALL TO THE EXTERIOR FINISHED WALL AND INTO THE BACK OF THE CAMERAS MOUNTING BRACKET SHOULD BE SIZED TO THE CATEGORY CABLE AND SEALED ON EACH SIDE WITH WATHERPROOF SEALANT. NO EXPOSED CABLING, CONDUIT, OR JUNCTION BOXES ARE PERMITTED TO BE INSTALLED ON THE EXTERIOR OF THE BUILDING.

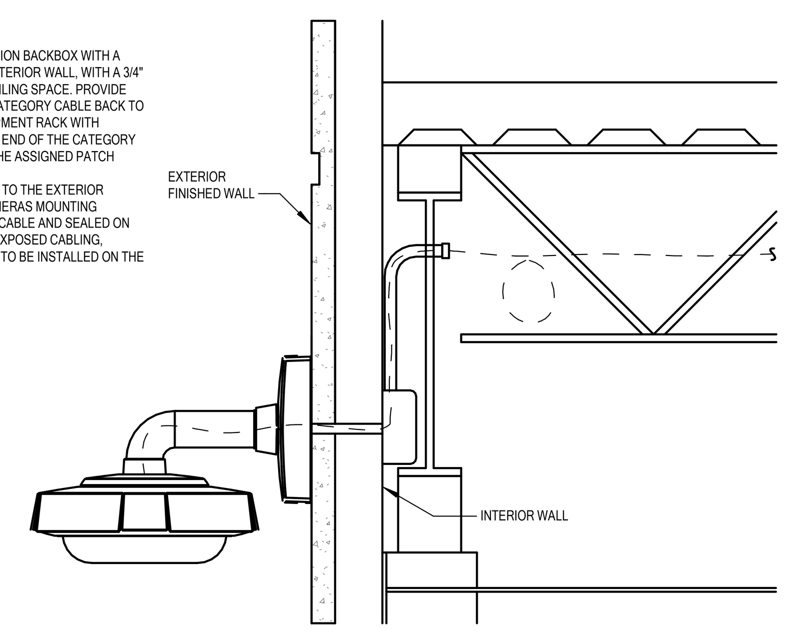


DIAGRAM EY403 TYPICAL EXTERIOR CAMERA MOUNT
NTS

DIAGRAM NOTE:

PROVIDE MANUFACTURER SUGGESTED JUNCTION BACKBOX WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED RACEWAY TO ROUTE THE CAMERA CATEGORY CABLE BACK TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END OF THE CATEGORY CABLE. TERMINATE THE CATEGORY CABLE TO THE ASSIGNED PATCH PANEL, AND TEST.

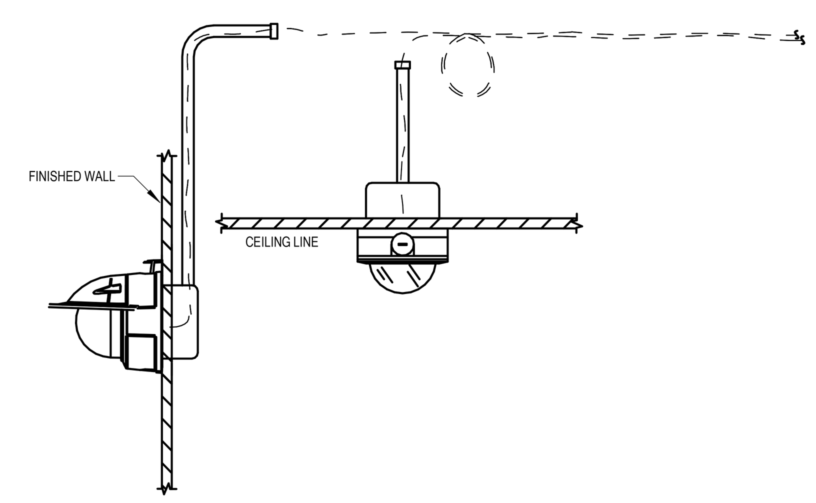


DIAGRAM EY401 TYPICAL CAMERA MOUNTING
NTS

DIAGRAM NOTES:

1. CAMERAS SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR SURVEILLANCE CAMERA LOCATIONS.

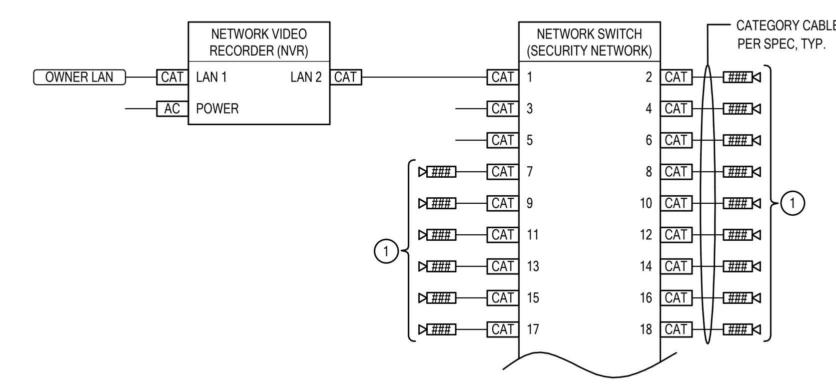


DIAGRAM EY001 TYPICAL VIDEO SURVEILLANCE SYSTEM - ONE LINE DIAGRAM
NTS

DIAGRAM NOTE:

1. DEVICES SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR DEVICE LOCATIONS.
3. PROVIDE A 2" CONDUIT UP TO ACCESSIBLE CEILING SPACE FROM THE INTRUSION HEAD-END PANEL.

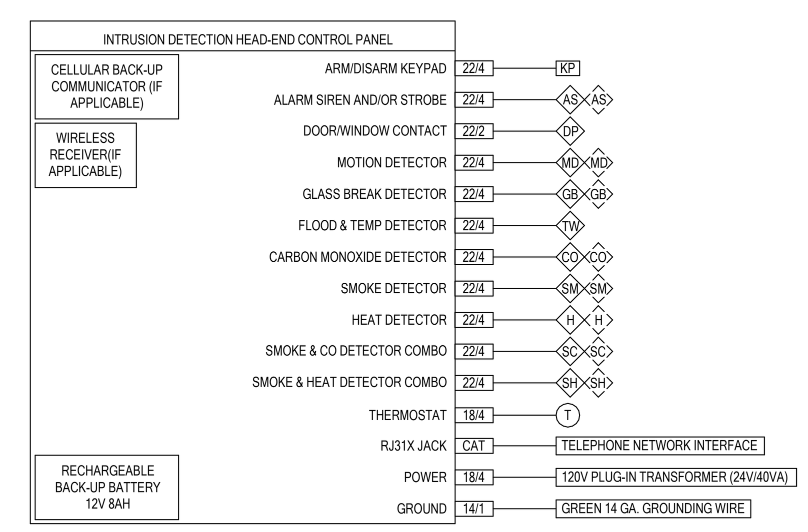


DIAGRAM EY003 TYPICAL INTRUSION DETECTION SYSTEM - ONE LINE DIAGRAM
NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SYSTEM DIAGRAMS

SHEET NUMBER

E403

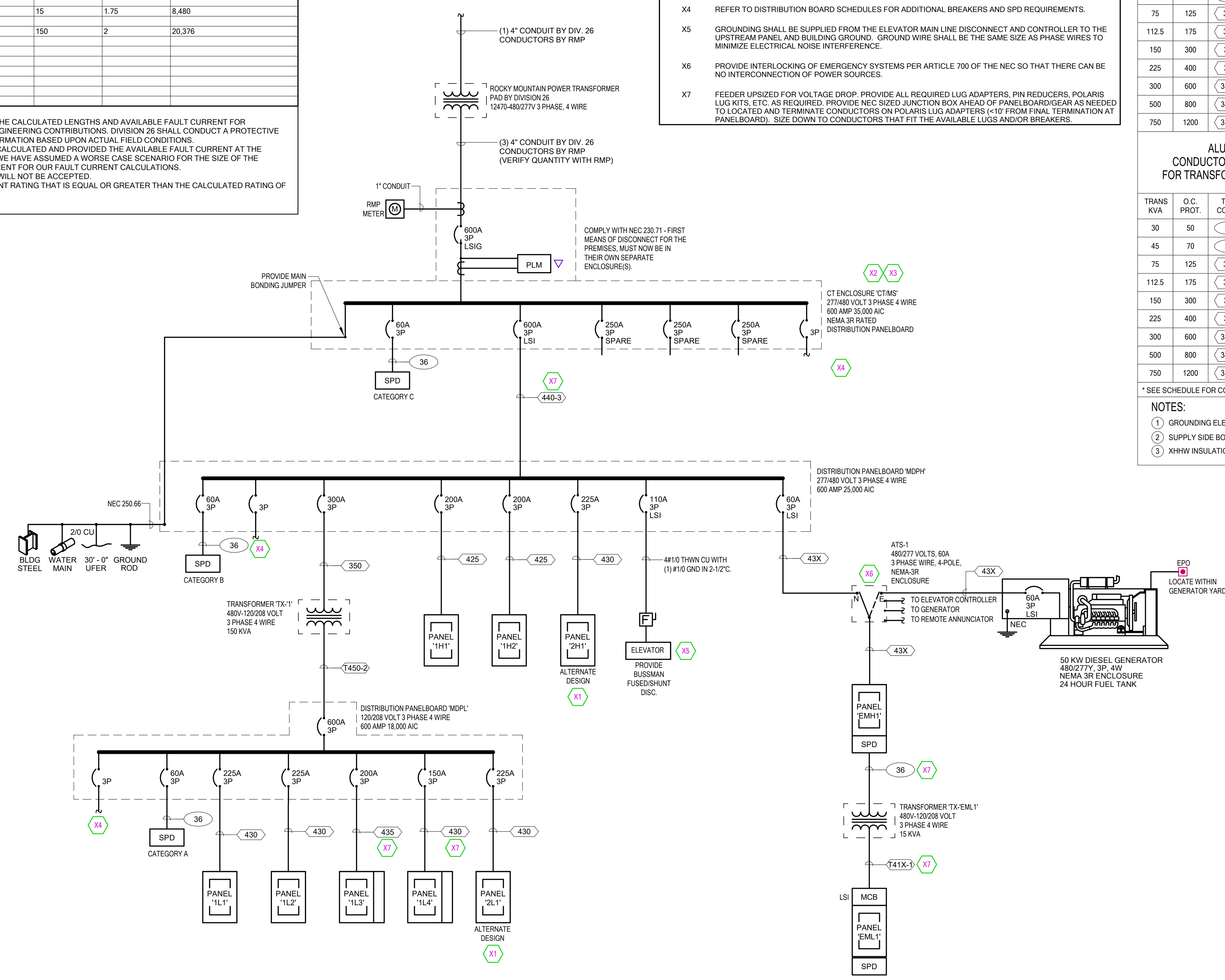
FAULT CURRENT SCHEDULE (REFERENCE ONLY)

DEVICE	VOLTAGE	FEEDER LENGTH	FEEDER AMPACITY	FAULT AT DEVICE	TRANSFORMER KVA	TRANSFORMER Z%	TRANSFORMER FAULT AT PRIMARY
CT/MS	480V			35,029			
MDPH	480V	284'	800	21,726			
1H1	480V	18'	200	19,620			
1H2	480V	22'	200	19,204			
2H1	480V	75'	225	15,218			
ATS-1	480V	23' / 292'	150	18,274 / 3,021			
EMH1	480V	20'	60	13,899			
TX-EML1	480V	12'	30	2,142	15	1.75	8,480
EML1	208V	12'	60	2,015			
TX-1	480V	15'	300	16,446	150	2	20,376
MDPL	208V	13'	600	15,723			
1L1	208V	21'	225	12,913			
1L2	208V	23'	225	12,673			
1L3	208V	143'	250	6,696			
1L4	208V	180'	225	5,388			
2L1	208V	66'	225	9,244			
GEN	480V			UTILITY			

NOTES:
1. **REFERENCE ONLY:** THE SCHEDULE SHOWN IS FOR REFERENCE ONLY. THE CALCULATED LENGTHS AND AVAILABLE FAULT CURRENT FOR ELECTRICAL EQUIPMENT IS BASED UPON MODEL INFORMATION WITH ENGINEERING CONTRIBUTIONS. DIVISION 26 SHALL CONDUCT A PROTECTIVE DEVICE STUDY PER SPECIFICATION SECTION 26 0573 AND PROVIDE INFORMATION BASED UPON ACTUAL FIELD CONDITIONS.
2. AT TIME OF DOCUMENT PREPARATION THE UTILITY COMPANY HAD NOT CALCULATED AND PROVIDED THE AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE PAD MOUNTED TRANSFORMER. BECAUSE OF THIS WE HAVE ASSUMED A WORSE CASE SCENARIO FOR THE SIZE OF THE TRANSFORMER AND ITS IMPEDANCE AND USED AN INFINITE FAULT CURRENT FOR OUR FAULT CURRENT CALCULATIONS.
3. ALL EQUIPMENT SHALL BE FULL RATED. SERIES RATING OF EQUIPMENT WILL NOT BE ACCEPTED.
4. ALL OVERCURRENT PROTECTION DEVICES SHALL HAVE A FAULT CURRENT RATING THAT IS EQUAL OR GREATER THAN THE CALCULATED RATING OF THE SWITCHGEAR AND/OR PANELBOARD.

SHEET KEYNOTES

- X1 PANEL AND FEEDER SHOWN ARE FOR BID ALTERNATE #1 AND NOT PART OF THE BASE BID. BREAKER TO BE INCLUDED WITHIN BASE BID.
- X2 PROVIDE A PERMANENT PLAQUE ADJACENT TO THE MAIN SWITCHBOARD WITH AVAILABLE FAULT CURRENT CALCULATIONS.
- X3 GFPE PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE.
- X4 REFER TO DISTRIBUTION BOARD SCHEDULES FOR ADDITIONAL BREAKERS AND SPD REQUIREMENTS.
- X5 GROUNDING SHALL BE SUPPLIED FROM THE ELEVATOR MAIN LINE DISCONNECT AND CONTROLLER TO THE UPSTREAM PANEL AND BUILDING GROUND. GROUND WIRE SHALL BE THE SAME SIZE AS PHASE WIRES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE.
- X6 PROVIDE INTERLOCKING OF EMERGENCY SYSTEMS PER ARTICLE 700 OF THE NEC SO THAT THERE CAN BE NO INTERCONNECTION OF POWER SOURCES.
- X7 FEEDER UPSIZED FOR VOLTAGE DROP. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.



1 ONE-LINE DIAGRAM

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY					ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY △ 480-208/120 Y							
TRANS KVA	O.C. PROT.	TYPE COND.*	GEC (1)	MIN. Z%	O.C. PROT.	TYPE COND.*	COND. AMPS	SETS	CONDUCTOR (3) QUAN.	CONDUCTOR (3) SIZE	CONDUIT SIZE	BONDING JUMPER (2)
30	50	36	8 CU	3	100	T41X-1	120	1	4	1/0	2"	8 CU
45	70	34	4 CU	3	175	T44X-1	180	1	4	4/0	2-1/2"	4 CU
75	125	32X	2 CU	3	225	T435-1	250	1	4	350	3"	1/0 AL
112.5	175	34X	2 CU	4	400	T425-2	410	2	4	250	3"	1/0 AL
150	300	350	2/0 CU	4	600	T450-2	620	2	4	500	4"	4/0 AL
225	400	375	2/0 CU	4	800	T440-3	810	3	4	400	4"	4/0 AL
300	600	350-2	3/0 CU	5	1200	T450-4	1240	4	4	500	4"	250 AL
500	800	340-3	3/0 CU	5	1600	T440-6	1620	6	4	400	4"	300 AL
750	1200	350-4	3/0 CU	5	3000	T450-10	3100	10	4	500	4"	750 AL

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY					ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY (200% NEUTRAL) △480-208/120 Y							
TRANS KVA	O.C. PROT.	TYPE COND.*	GEC (1)	MIN. Z%	O.C. PROT.	TYPE COND.*	COND. AMPS	SETS	CONDUCTOR (3) QUAN.	CONDUCTOR (3) SIZE	CONDUIT SIZE	BONDING JUMPER (2)
30	50	36	6 CU	3	100	T52X-1	108	1	5	2/0	2-1/2"	6 CU
45	70	34	2 CU	3	175	T530-1	184	1	5	300	3"	1/0 AL
75	125	32X	2 CU	3	225	T550-1	248	1	5	500	4"	1/0 AL
112.5	175	34X	1/0 CU	4	400	T535-2	400	2	5	350	3"	3/0 AL
150	300	350	2/0 CU	4	600	T535-3	600	3	5	350	4"	4/0 AL
225	400	375	2/0 CU	4	800	T535-4	800	4	5	350	4"	4/0 AL
300	600	350-2	3/0 CU	5	1200	T550-5	1240	5	5	500	4"	350 AL
500	800	340-3	3/0 CU	5	1600	T550-7	1736	7	5	500	4"	500 AL
750	1200	350-4	3/0 CU	5	3000	T575-10	3080	10	5	750	4"	750 AL

* SEE SCHEDULE FOR CONDUIT AND WIRE SIZE

NOTES:
1. GROUNDING ELECTRODE CONDUCTOR. (NEC 250.66)
2. SUPPLY SIDE BONDING JUMPER. (NEC 250.102 (C)(1))
3. XHHW INSULATION.

COPPER CONDUCTOR & CONDUIT SCHEDULE

TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSULATION	EQ. GND. COND.(CU)
20	30	3/4"	2	10	THHN THWN	10
30	30	3/4"	3	10	THHN THWN	10
40	30	3/4"	4	10	THHN THWN	10
28	40	1"	2	8	THHN THWN	10
38	40	1"	3	8	THHN THWN	10
48	40	1"	4	8	THHN THWN	10
26	55	1"	2	6	THHN THWN	8
36	55	1"	3	6	THHN THWN	8
46	55	1"	4	6	THHN THWN	8
24	70	1"	2	4	THHN THWN	8
34	70	1-1/4"	3	4	THHN THWN	8
44	70	1-1/4"	4	4	THHN THWN	8
23	85	1-1/4"	2	3	THHN THWN	8
33	85	1-1/4"	3	3	THHN THWN	8
43	85	1-1/2"	4	3	THHN THWN	8
32	95	1-1/2"	3	2	THHN THWN	6
42	95	1-1/2"	4	2	THHN THWN	6

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE

TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSULATION	EQ. GND COND.(AL)
31X	120	2"	3	1/0	XHHW-2	4
41X	120	2"	4	1/0	XHHW-2	4
51X	96	2"	5*	1/0	XHHW-2	4
32X	135	2"	3	2/0	XHHW-2	4
42X	135	2"	4	2/0	XHHW-2	4
52X	108	2"	5*	2/0	XHHW-2	4
33X	155	2"	3	3/0	XHHW-2	4
43X	155	2"	4	3/0	XHHW-2	4
53X	124	3"	5*	3/0	XHHW-2	4
34X	180	2"	3	4/0	XHHW-2	4
44X	180	3"	4	4/0	XHHW-2	4
54X	144	3"	5*	4/0	XHHW-2	2
325	205	2"	3	250	XHHW-2	2
425	205	3"	4	250	XHHW-2	2
525	164	3"	5*	250	XHHW-2	2
330	230	3"	3	300	XHHW-2	2
430	230	3"	4	300	XHHW-2	2
530	184	3"	5*	300	XHHW-2	2
335	250	3"	3	350	XHHW-2	2
435	250	3"	4	350	XHHW-2	2
535	200	3"	5*	350	XHHW-2	2
340	270	3"	3	400	XHHW-2	2
440	270	3"	4	400	XHHW-2	2
540	216	3"	5*	400	XHHW-2	2
350	310	4"	3	500	XHHW-2	1
450	310	4"	4	500	XHHW-2	1
550	248	4"	5*	500	XHHW-2	1
375	385	4"	3	750	XHHW-2	1
475	385	4"	4	750	XHHW-2	1
575	308	4"	5*	750	XHHW-2	1

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS

TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUIT SIZE	EQ. GND. COND.(AL)
325-2	400	410	2	3	250	2-1/2"	2/0
425-2	400	410	2	4	250	2-1/2"	2/0
535-2	400	400	2	5*	350	3"	2/0
350-2	600	620	2	3	500	3"	2/0
450-2	600	620	2	4	500	3"	2/0
535-3	600	600	3	5*	350	3"	2/0
340-3	800	810	3	3	400	2-1/2"	3/0
440-3	800	810	3	4	400	3"	3/0
535-4	800	800	4	5*	350	4"	3/0
375-3	1000	1155	3	3	750	4"	4/0
475-3	1000	1155	3	4	750	4"	4/0
535-5	1000	1000	5	5*	350	4"	4/0
350-4	1200	1240	4	3	500	4"	250
450-4	1200	1240	4	4	500	4"	250
550-5	1200	1240	5	5*	500	4"	250
340-6	1600	1620	6	3	400	4"	350
440-6	1600	1620	6	4	400	4"	350
550-7	1600	1736	7	5*	500	4"	350
475-6	2000	2310	6	4	750	4"	400
475-7	2500	2695	7	4	750	5"	600
475-8	3000	3080	8	4	750	5"	600
475-11	4000	4235	11	4	750	5"	750

NOTES:
IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250-122.

GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS

* 200% NEUTRAL, DERATED TO 80% BASED ON NEC 310.15.B(5)(C)

** COPPER CONDUCTOR (XHHW)

PROVIDE COMPACT STRANDED ALUMINUM ASSOCIATION 8000 SERIES ALLOY CONDUCTORS.

PROVIDE TERMINATION FOR ALUMINUM ALLOY CONDUCTORS OF HYDRAULIC COMPRESSION TYPE ONLY, LISTED UNDER UL 486-B, MARKED "AL7CU" FOR 75 DEGREE RATED CIRCUITS.

PROVIDE ALL ELECTRICAL EQUIPMENT WITH PROPER SIZING TO ACCOMMODATE ALUMINUM CONDUCTORS. COORDINATE WITH EQUIPMENT SUPPLIER.

GENERAL SHEET NOTES

1. EMERGENCY EQUIPMENT INDICATED SHALL BE SELECTIVELY COORDINATED TO 0.1 SECONDS PER SPECIFICATION SECTION 26 0573. STUDY SHALL BE SUBMITTED PRIOR TO ALL OTHER EQUIPMENT SUBMITTALS.
2. SEE PLANS FOR LOCATION OF PANELBOARDS, SWITCHBOARDS TRANSFER SWITCHES, BUSWAY, TRANSFORMERS DISCONNECTS, ETC. AND PROVIDE NEMA RATED ENCLOSURES AS REQUIRED.
3. SUBMIT DIMENSIONED DRAWINGS OF ALL ELECTRICAL ROOMS SHOWING ALL EQUIPMENT LOCSTIONS WITHIN EACH SPACE BASED ON THE EQUIPMENT MANUFACTURER GEAR SIZES WITH ALL EQUIMENT SHOP DRAWINGS.
4. PROVIDE AN ARC ENERGY-REDUCING MAINTENANCE SWITCH FOR ALL OVER-CURRENT PROTECTIVE DEVICES RATED 1200 AMPS OR HIGHER. REFER TO SPECIFICATION SECTION 26 2815 OVER-CURRENT PROTECTIVE DEVICES AND 240.87 OF CURRENT NATIONAL ELECTRICAL CODE (NEC).
5. PROVIDE ELECTRONIC TRIP CIRCUIT BREAKERS FOR ALL CIRCUIT BREAKERS 400 AMPS AND ABOVE . REFER TO THE OVERCURRENT PROTECTION SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
6. ALL EQUIPMENT SHALL BE FULLY RATED. NO SERIES RATINGS ARE ALL OWED.
7. REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL DETAILS.
8. PROVIDE PRELIMINARY SHORT CIRCUIT STUDY SUBMITTAL PRIOR TO SUBMITTAL OF ANY ELECTRICAL EQUIPMENT. REFER TO SPECIFICATION SECTION 26 0573 PROTECTIVE DEVICE STUDY.
9. PROVIDE A SURGE PROTECTIVE DEVICE ON EACH SWITCHBOARD AND PANELBOARD LOCATED ON THE EMERGENCY DISTRIBUTION SYSTEM. REFER TO SPECIFICATION SECTION 26 4313 SURGE-PROTECTIVE DEVICES (SPD) FOR LOCATION CATEGORY.
10. REFER TO DISTRIBUTION BOARD AND PANELBOARD SCHEDULES FOR ADDITIONAL BREAKERS AND SPD REQUIREMENTS.
11. GFPE PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE OGDEN SCHOOL DISTRICT BUILDING OFFICIAL.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
BNA Proj. No. #####
SALT LAKE ST. GEORGE

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ONE-LINE DIAGRAM

SHEET NUMBER

E501

PANELBOARD SCHEDULE

PANEL: 1H1 TYPE: Type 1 VOLTS: 480/277 Y PHASE: 3 WIRES: 4

LOCATION: ELEC. 114 MAINS/BUS AMPS: 200 LUGS: Standard
FED FROM: MDPH MAIN DISC. TYPE: MLO X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: MLO ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
NORTH LIGHTING HIGH BAY	20 A	1	#12	1	3794 VA						2				
TURF FIELD LIGHTING	20 A	1	#12	3		3523 VA					4				
TURF FIELD LIGHTING	20 A	1	#10	5			3523 VA				6				
TURF FIELD LIGHTING	20 A	1	#10	7	3523 VA						8				
BATHROOM/TRAINING ROOM...	20 A	1	#12	9		740 VA					10				
RT-1	15 A	3	#12	11			2660 VA				12				
--	--	--	--	13	2660 VA						14				
--	--	--	--	15		2660 VA					16				
WH-1	25 A	3	#10	17			4500 VA				18				
--	--	--	--	19	4500 VA						20				
--	--	--	--	21		4500 VA					22				
TURF FIELD LIGHTING	20 A	1	#12	23			1355 VA				24				
LIGHTING 2ND FLR HALL	20 A	1	#12	25	421 VA						26				
				27							28				
WEIGHT ROOM LIGHTING	20 A	1	#12	29			1860 VA				30				
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					14898	11423	13898	TOTAL (VA)							CONNECTED LOAD TOTAL
					55 A	41 A	52 A	AMPS/PHASE							40220 VA

AIC RATING: 19,620 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1H2 TYPE: Type 1 VOLTS: 480/277 Y PHASE: 3 WIRES: 4

LOCATION: ELEC. 114 MAINS/BUS AMPS: 200 LUGS: Standard
FED FROM: MDPH MAIN DISC. TYPE: MLO X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: MLO ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
EC-1	15 A	3	#12	1	831 VA			831 VA			2	#12	3	20 A	HVAC
--	--	--	--	3		831 VA			831 VA		4	--	--	--	--
--	--	--	--	5			831 VA			831 VA	6	--	--	--	--
EC-1	15 A	3	#12	7	831 VA			5820 VA			8	#8	3	35 A	ATU-1
--	--	--	--	9		831 VA			5820 VA		10	--	--	--	--
--	--	--	--	11			831 VA			5820 VA	12	--	--	--	--
EC-1	15 A	3	#12	13	831 VA						14				
--	--	--	--	15		831 VA					16				
--	--	--	--	17			831 VA				18				
EC-1	15 A	3	#12	19	831 VA						20				
--	--	--	--	21		831 VA					22				
--	--	--	--	23			831 VA				24				
EC-1	15 A	3	#12	25	831 VA						26				
--	--	--	--	27		831 VA					28				
--	--	--	--	29			831 VA				30				
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					10808	10808	10808	TOTAL (VA)							CONNECTED LOAD TOTAL
					39 A	39 A	39 A	AMPS/PHASE							32424 VA

AIC RATING: 19,204 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1L1 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

LOCATION: ELEC. 114 MAINS/BUS AMPS: 225 LUGS: Standard
FED FROM: MDPL MAIN DISC. TYPE: MLO X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: MLO ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
RECEPT, WEIGHT ROOM	20 A	1	#12	1	720 VA						2				
RECEPT, WEIGHT ROOM	20 A	1	#12	3		1260 VA					4				
RECEPT, WEIGHT ROOM	20 A	1	#12	5			1080 VA				6				
RECEPT, WEIGHT ROOM	20 A	1	#10	7	1080 VA						8				
RECEPT, WEIGHT ROOM	20 A	1	#12	9		1080 VA			0 VA		10	--	1	20 A	SPARE
RECEPT, WEIGHT ROOM	20 A	1	#12	11			540 VA			0 VA	12	--	1	20 A	SPARE
				13				0 VA			14	--	1	20 A	SPARE
				15					0 VA		16	--	1	20 A	SPARE
RP1	20 A	1	#12	17			500 VA			0 VA	18	--	1	20 A	SPARE
				19				0 VA			20	--	1	20 A	SPARE
				21					0 VA		22	--	1	20 A	SPARE
				23						0 VA	24	--	1	20 A	SPARE
WEIGHT ROOM DISPLAY	20 A	1	#12	25	1000 VA			0 VA			26	--	1	20 A	SPARE
				27					0 VA		28	--	1	20 A	SPARE
				29						0 VA	30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					2800	2340	2120	TOTAL (VA)							CONNECTED LOAD TOTAL
					24 A	20 A	18 A	AMPS/PHASE							6760 VA

AIC RATING: 12,913 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1L2 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

LOCATION: ELEC. 114 MAINS/BUS AMPS: 225 LUGS: Standard
FED FROM: MDPL MAIN DISC. TYPE: MLO X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: MLO ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
GUH-1	20 A	1	#12	1	1320 VA			720 VA			2	#12	1	20 A	RECEPT, TURF FIELD-2 100-2
HVAC	20 A	1	#12	3		180 VA					4				
EC PUMPS	20 A	1	#12	5			180 VA				6				
RECEPTACLE, ROOFTOP RT-1	20 A	1	#12	7	180 VA						8				
AC-1	15 A	2	#12	9		832 VA			0 VA		10	--	1	20 A	SPARE
--	--	--	--	11			832 VA			0 VA	12	--	1	20 A	SPARE
HVAC	20 A	2	#12	13	1654 VA			0 VA			14	--	1	20 A	SPARE
--	--	--	--	15		1654 VA			0 VA		16	--	1	20 A	SPARE
DF-1	20 A	1	#12	17			144 VA			0 VA	18	--	1	20 A	SPARE
SPARE	20 A	1	--	19	0 VA			0 VA			20	--	1	20 A	SPARE
SPARE	20 A	1	--	21		0 VA			0 VA		22	--	1	20 A	SPARE
SPARE	20 A	1	--	23			0 VA			0 VA	24	--	1	20 A	SPARE
SPARE	20 A	1	--	25	0 VA			0 VA			26	--	1	20 A	SPARE
SPARE	20 A	1	--	27		0 VA			0 VA		28	--	1	20 A	SPARE
SPARE	20 A	1	--	29			0 VA			0 VA	30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					3874	2666	1156	TOTAL (VA)							CONNECTED LOAD TOTAL
					34 A	24 A	10 A	AMPS/PHASE							7695 VA

AIC RATING: 12,673 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: EMH1 TYPE: Type 1 VOLTS: 480/277 Y PHASE: 3 WIRES: 4

LOCATION: ELEC. 114 MAINS/BUS AMPS: 60 LUGS: Standard
FED FROM: ATS-1 MAIN DISC. TYPE: MLO X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: MLO ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
X SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
LIGHTING, Other, Room 100-1,...	20 A	1	#12	1	853 VA						2				
LIGHTING	20 A	1	#12	3		50 VA					4				
LIGHTING	20 A	1	#12	5			50 VA				6				
Other, TURF FIELD-1 100-1	20 A	1	#12	7	900 VA						8				
LIGHTING, TURF FIELD-1 100-1	20 A	1	#12	9		30 VA			0 VA		10	--	1	20 A	SPARE
Other	20 A	1	#12	11			210 VA			0 VA	12	--	1	20 A	SPARE
LIGHTING, ELEC. 114	20 A	1	#12	13	120 VA			0 VA			14	--	1	20 A	SPARE
LIGHTING	20 A	1	#12	15		2439 VA			0 VA		16	--	1	20 A	SPARE
LIGHTING	20 A	1	#12	17			1084 VA			0 VA	18	--	1	20 A	SPARE
LIGHTING, Other, Room 100-2,...	20 A	1	#12	19	1579 VA			0 VA			20	--	1	20 A	SPARE
LIGHTING	20 A	1	#12	21		2710 VA			0 VA		22	--	1	20 A	SPARE
LIGHTING, Room 100-2, 101-2,...	20 A	1	#12	23			1180 VA			0 VA	24	--	1	20 A	SPARE
TX-EML1	30 A	3	#10	25	1540 VA			0 VA			26	--	1	20 A	SPARE
--	--	--	--	27		1800 VA			0 VA		28	--	1	20 A	SPARE
--	--	--	--	29			1540 VA			0 VA	30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					4992	7029	4064	TOTAL (VA)							CONNECTED LOAD TOTAL
					19 A	26 A	15 A	AMPS/PHASE							14085 VA

AIC RATING: 13,899 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: EML1 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

LOCATION: ELEC. 114 MAINS/BUS AMPS: 60 LUGS: Standard
FED FROM: TX-EML1 MAIN DISC. TYPE: MCB X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: 60 ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
X SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
FACP	20 A	1	#12	1	500 VA						2				
RECEPT, DATA-1 113-1	20 A	1	#12	3		180 VA					4				
ACS PANEL	20 A	1	#12	5			500 VA				6				
PSP PANEL	20 A	1	#12	7	500 VA			0 VA			8	--	1	20 A	SPARE
ELEC. DATA RM. PWR	20 A	1	#12	9		1080 VA			0 VA		10	--	1	20 A	SPARE
ELEVATOR PIT	20 A	1	#12	11			360 VA			0 VA	12	--	1	20 A	SPARE
DATA RACK PWR	20 A	1	#12	13	360 VA			0 VA			14	--	1	20 A	SPARE
DATA RACK PWR	20 A	1	#12	15		360 VA			0 VA		16	--	1	20 A	SPARE
BATTERY CHARGER GENSET	20 A	1	#12	17			180 VA			0 VA	18	--	1	20 A	SPARE
JACKET HEATER GENSET	20 A	1	#12	19	180 VA			0 VA			20	--	1	20 A	SPARE
ELEVATOR CAB LIGHTS	20 A	1	#12	21		180 VA			0 VA		22	--	1	20 A	SPARE
FIRE ALARM	20 A	1	#12	23			500 VA			0 VA	24	--	1	20 A	SPARE
SPARE	20 A	1	--	25	0 VA			0 VA			26	--	1	20 A	SPARE
SPARE	20 A	1	--	27		0 VA			0 VA		28	--	1	20 A	SPARE
SPARE	20 A	1	--	29			0 VA			0 VA	30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					1540	1800	1540	TOTAL (VA)							CONNECTED LOAD TOTAL
					13 A	15 A	13 A	AMPS/PHASE							2880 VA

AIC RATING: 2,015 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2H1 TYPE: Type 1 VOLTS: 480/277 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: TURF FIELD-1 100-1 MAINS: MLO
BUSSING: FED FROM: MDPH ___ SUBFEED LUGS
AMP: 225 A X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
UPPER NORTHWEST...	20 A	1		1	1165			4656			2		3	25 A	RT-5
UPPER NORTHEAST LIGHTING	20 A	1		3		1199			4656		4	--	--	--	--
RT-7	15 A	3		5			2882			4656	6	--	--	--	--
--	--	--	--	7	2882			3547			8		3	20 A	RT-2
--	--	--	--	9		2882			3547		10	--	--	--	--
RT-4	15 A	3		11			2439			3547	12	--	--	--	--
--	--	--	--	13	2439						14				
--	--	--	--	15		2439					16				
RT-6	25 A	3		17			4656			0	18	--	1	20 A	SPARE
--	--	--	--	19	4656			0			20	--	1	20 A	SPARE
--	--	--	--	21		4656			0		22	--	1	20 A	SPARE
RT-3	15 A	3		23			2882			0	24	--	1	20 A	SPARE
--	--	--	--	25	2882			0			26	--	1	20 A	SPARE
--	--	--	--	27		2882			0		28	--	1	20 A	SPARE
				29						0	30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0			0			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0			0		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0			0	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0			0			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0			0		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0			0	42	--	1	20 A	SPARE
					22227	22261	21062	TOTAL (VA)							CONNECTED LOAD TOTAL
					81 A	81 A	76 A	AMPS/PHASE							65549 VA

AIC RATING ___ AMPS RMS SYSM.

NOTES:
* PROVIDE 5mA GFCI CIRCUIT BREAKER
** PROVIDE ARC-FAULT CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 2L1 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

LOCATION: TURF FIELD-1 100-1 MAINS/BUS AMPS: 225 LUGS: Standard
FED FROM: MDPL MAIN DISC. TYPE: MLO X DOOR-IN-DOOR
MOUNTING: SURFACE MAIN DISC. TRIP: MLO ___ 200% NEUTRAL
BUSSING: ___ ISO GROUND
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
RECEPT, KITCHENETTE	20 A	1	#12	1	540 VA			900 VA			2	#12	1	20 A	RECEPT, OFFICE
RECEPT, MULTIPURPOSE RM	20 A	1	#10	3		1040 VA			900 VA		4	#12	1	20 A	RECEPT, OFFICE
RECEPT, MULTIPURPOSE RM	20 A	1	#10	5			1220 VA			360 VA	6	#12	1	20 A	RECEPT, STORAGE
RECEPT, MULTIPURPOSE R...	20 A	1	#12	7	720 VA			540 VA			8	#12	1	20 A	RECEPT, OFFICE BATHROOM
RECEPT, 2ND FLR...	20 A	1	#12	9		360 VA			180 VA		10	#12	1	20 A	RECEPT, ROOFTOP RT-7
RECEPT, KITCHENETTE	20 A	1	#12	11			360 VA			180 VA	12	#12	1	20 A	RECEPT, ROOFTOP RT-4
*REFRIGERATOR	20 A	1	#10	13	1500 VA			180 VA			14	#12	1	20 A	RECEPT, ROOFTOP RT-6
*REFRIGERATOR	20 A	1	#10	15		1500 VA			180 VA		16	#12	1	20 A	RECEPT, ROOFTOP RT-3
RECEPT, TROPHY ROOM	20 A	1	#12	17			900 VA			180 VA	18	#12	1	20 A	RECEPT, ROOFTOP RT-5
RECEPT, TROPHY ROOM,...	20 A	1	#12	19	860 VA			180 VA			20	#12	1	20 A	RECEPT, ROOFTOP RT-2
RECEPT, TROPHY ROOM	20 A	1	#12	21		720 VA			1176 VA		22	#12	1	15 A	EF-5
RECEPT, CONFERENCE RM	20 A	1	#12	23			900 VA			1176 VA	24	#12	1	15 A	EF-4
RECEPT, CONFERENCE RM	20 A	1	#12	25	900 VA			1176 VA			26	#12	1	15 A	EF-3
CONFERENCE RM DISPLAYS	20 A	1	#12	27		1180 VA			1656 VA		28	#10	1	25 A	EF-2
RECEPT, OFFICE	20 A	1	#12	29			720 VA			48 VA	30	#12	1	15 A	ATC-1
DISPLAY CAB LIGHTING	20 A	1	#12	31	180 VA						32				
RECEPT, RACK	20 A	1	#12	33		180 VA			180 VA		34	#12	1	20 A	*DISHWASHER
MOTORIZED PROJ. SCREEN	20 A	1	#12	35			360 VA			180 VA	36	#12	1	20 A	RECEPT, KITCHENETTE
KITCHENETTE ISLAND PWR	20 A	1	#12	37	360 VA			360 VA			38	#12	1	20 A	KITCHENETTE ISLAND PWR
				39							40				
RECEPT, MULTIPURPOSE RM	20 A	1	#10	41			1080 VA			0 VA	42	--	1	20 A	SPARE
SPACE ONLY	--	1	--	43	--			900 VA			44	#12	1	20 A	RECEPT, TURF FIELD-1 100-1
SPACE ONLY	--	1	--	45		--					46				
SPACE ONLY	--	1	--	47			--				48				
SPACE ONLY	--	1	--	49	--						50				
SPARE	20 A	1	--	51		0 VA			0 VA		52	--	1	20 A	SPARE
SPARE	20 A	1	--	53			0 VA			0 VA	54	--	1	20 A	SPARE
SPARE	20 A	1	--	55	0 VA			0 VA			56	--	1	20 A	SPARE
SPARE	20 A	1	--	57		0 VA			0 VA		58	--	1	20 A	SPARE
SPARE	20 A	1	--	59			0 VA			0 VA	60	--	1	20 A	SPARE
					9296	9252	7664	TOTAL (VA)							CONNECTED LOAD TOTAL
					80 A	79 A	64 A	AMPS/PHASE							26212 VA

AIC RATING: 9,244 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD GENERAL NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLE ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVER, LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE A DEDICATED 15A 3P BREAKER WITHIN EVERY PANELBOARD FOR POWER/REFERENCE LINE TO ASSOCIATED SERIES 7100 METER.

INDEX OF PANELBOARD SCHEDULES

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037-2202 STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

PANELBOARD SCHEDULES

SHEET NUMBER

E601

PANELBOARD SCHEDULE

PANEL: 1L4 | TYPE: Type 1 | VOLTS: 120/208 Y | PHASE: 3 | WIRES: 4

LOCATION: TURF FIELD-2 100-2
FED FROM: MDPL
MOUNTING: SURFACE
BUSSING:

MAINS/BUS AMPS: 150
MAIN DISC. TYPE: MLO
MAIN DISC. TRIP: MLO

LUGS: Standard
X DOOR-IN-DOOR
200% NEUTRAL
ISO GROUND
SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
BASEBALL NET	15 A	3	#12	1	793 VA			48 VA			2	#12	1	15 A	ATC-1
--	--	--	--	3		793 VA			180 VA		4	#12	1	20 A	RECEPT, MECH YARD
--	--	--	--	5			793 VA			--	6	--	1	--	SPACE ONLY
BASEBALL NET	15 A	3	#12	7	793 VA			--			8	--	1	--	SPACE ONLY
--	--	--	--	9		793 VA			0 VA		10	--	1	20 A	SPARE
--	--	--	--	11			793 VA			0 VA	12	--	1	20 A	SPARE
RECEPT, TURF FIELD-2 100-2	20 A	1	#12	13	900 VA			0 VA			14	--	1	20 A	SPARE
RECEPT, TURF FIELD-2 100-2	20 A	1	#10	15		1080 VA			0 VA		16	--	1	20 A	SPARE
RECEPT, TURF FIELD-2 100-2	20 A	1	#10	17			900 VA			0 VA	18	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	19	180 VA			0 VA			20	--	1	20 A	SPARE
GUH-1	20 A	1	#12	21		1320 VA			0 VA		22	--	1	20 A	SPARE
GUH-1	20 A	1	#8	23			1320 VA			0 VA	24	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	25	180 VA			0 VA			26	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	27		180 VA			0 VA		28	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	29			180 VA			0 VA	30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					2893	4345	3985	TOTAL (VA)							CONNECTED LOAD TOTAL
					24 A	38 A	35 A	AMPS/PHASE							11224 VA

AIC RATING: 5,388 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1L3 | TYPE: Type 1 | VOLTS: 120/208 Y | PHASE: 3 | WIRES: 4

LOCATION:
FED FROM: MDPL
MOUNTING: SURFACE
BUSSING:

MAINS/BUS AMPS: 200
MAIN DISC. TYPE: MLO
MAIN DISC. TRIP: MLO

LUGS: Standard
X DOOR-IN-DOOR
200% NEUTRAL
ISO GROUND
SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
RECEPT, Room 102-1, 103-2,...	20 A	1	#12	1	1260 VA			696 VA			2	#12	1	15 A	CP-1
RECEPT, TRAINING ROOM-1...	20 A	1	#12	3		360 VA					4				
RECEPT, Room 100-2, 104-1	20 A	1	#12	5			1860 VA				6				
*ICE MACHINE	20 A	1	#12	7	1000 VA						8				
RECEPT, TRAINING ROOM-1...	20 A	1	#12	9		180 VA					10				
RECEPT, TRAINING ROOM-1...	20 A	1	#12	11			180 VA				12				
* WATER FOUNTAIN	20 A	1	#12	13	180 VA						14				
* WATER FOUNTAIN	20 A	1	#12	15		180 VA					16				
*HEAT THERAPY MACHINE	20 A	1	#12	17			180 VA				18				
ADA DOOR, RECEPT, Room...	20 A	1	#12	19	540 VA						20				
EUH-1	25 A	2	#10	21		1654 VA					22				
--	--	--	--	23			1654 VA			--	24	--	1	--	SPACE ONLY
EF-1	30 A	1	#10	25	2400 VA			--			26	--	1	--	SPACE ONLY
ATC-1	20 A	1	#12	27		948 VA			--		28	--	1	--	SPACE ONLY
GUH-1	20 A	1	#12	29			1320 VA			--	30	--	1	--	SPACE ONLY
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					6076	3322	5194	TOTAL (VA)							CONNECTED LOAD TOTAL
					53 A	28 A	46 A	AMPS/PHASE							14591 VA

AIC RATING: 6,696 AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1L3-A | TYPE: Type 1 | VOLTS: 120/208 Y | PHASE: 3 | WIRES: 4

LOCATION:
FED FROM:
MOUNTING: SURFACE
BUSSING:

MAINS/BUS AMPS: 225
MAIN DISC. TYPE: MLO
MAIN DISC. TRIP: MLO

LUGS: Standard
X DOOR-IN-DOOR
200% NEUTRAL
ISO GROUND
SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
RECEPT, Room 102-1, 103-2,...	20 A	1	#12	1	1260 VA			696 VA			2	#12	1	15 A	CP-1
RECEPT, TRAINING ROOM-1...	20 A	1	#12	3		360 VA			360 VA		4	#12	1	20 A	RECEPT, TURF FIELD-2 100-2
RECEPT, Room 100-2, 104-1	20 A	1	#12	5			540 VA				6				
*ICE MACHINE	20 A	1	#12	7	180 VA						8				
RECEPT, TRAINING ROOM-1...	20 A	1	#12	9		180 VA					10				
RECEPT, TRAINING ROOM-1...	20 A	1	#12	11			180 VA				12				
* WATER FOUNTAIN	20 A	1	#12	13	180 VA						14				
* WATER FOUNTAIN	20 A	1	#12	15		180 VA					16				
*HEAT THERAPY MACHINE	20 A	1	#12	17			180 VA				18				
BNA PWR Junction Box Free,...	20 A	1	#12	19	720 VA						20				
EUH-1	25 A	2	#10	21		1654 VA					22				
--	--	--	--	23			1654 VA			--	24	--	1	--	SPACE ONLY
EF-1	40 A	1	#8	25	2400 VA			--			26	--	1	--	SPACE ONLY
ATC-1	20 A	1	#12	27		768 VA			--		28	--	1	--	SPACE ONLY
GUH-1	20 A	1	#12	29			1320 VA			--	30	--	1	--	SPACE ONLY
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33		0 VA			0 VA		34	--	1	20 A	SPARE
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE
					5436	3502	3874	TOTAL (VA)							CONNECTED LOAD TOTAL
					46 A	29 A	33 A	AMPS/PHASE							12811 VA

AIC RATING: UTILITY AMPS RMS SYSM.

NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER

SWITCHBOARD SCHEDULE

SWITCHBOARD: CT/MS

LOCATION:
FED FROM:
MOUNTING:
ENCLOSURE NEMA 3R
BUSSING:

VOLTS: 480/277 Y
PHASE: 3
WIRES: 4
LUGS: Standard

MAINS/BUS AMPS: 600
MAIN DISC. TYPE: MCB
MAIN DISC. TRIP: 600
MAIN DISC. FRM.: 600
DOOR-IN-DOOR: X
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMPS	Load	REMARKS
1	MDPH	3	600 A	298795 VA	
2	SPARE	3	250 A	0 VA	
3	SPARE	3	250 A	0 VA	
4	SPARE	3	250 A	0 VA	
5	SPACE ONLY	1	--	--	
6	SPACE ONLY	1	--	--	
7	SPACE ONLY	1	--	--	
8	SPACE ONLY	1	--	--	
9	SPACE ONLY	1	--	--	
10	SPACE ONLY	1	--	--	
			TOTAL CONN. LOAD:	296295 VA	
			TOTAL AMPS:	356 A	

AIC RATING: 35,029

NOTES:

SWITCHBOARD SCHEDULE

SWITCHBOARD: MDPH

LOCATION: ELEC. 114
FED FROM: CT/MS
MOUNTING: I-LINE
ENCLOSURE
BUSSING:

VOLTS: 480/277 Y
PHASE: 3
WIRES: 4
LUGS: Standard

MAINS/BUS AMPS: 600
MAIN DISC. TYPE: MLO
MAIN DISC. TRIP: MLO
MAIN DISC. FRM.:
DOOR-IN-DOOR: X
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMPS	Load	REMARKS
1	1H1	3	200 A	40220 VA	
2	1H2	3	200 A	32424 VA	
3	SPARE	3	250 A	0 VA	
4	2H1	3	225 A	65549 VA	
5	TX-1	3	300 A	86320 VA	
6	ATS-1	3	60 A	16085 VA	
7	ELEVATOR (LSI)	3	110 A	58197 VA	
8	SPARE	3	250 A	0 VA	
9	SPARE	3	250 A	0 VA	
10	SPACE ONLY	1	--	--	
			TOTAL CONN. LOAD:	296295 VA	
			TOTAL AMPS:	356 A	

AIC RATING: 21,726

NOTES:

SWITCHBOARD SCHEDULE

SWITCHBOARD: MDPL

LOCATION: ELEC. 114
FED FROM: TX-1
MOUNTING:
ENCLOSURE
BUSSING:

VOLTS: 120/208 Y
PHASE: 3
WIRES: 4
LUGS: Standard

MAINS/BUS AMPS: 600
MAIN DISC. TYPE: MCB
MAIN DISC. TRIP: 600
MAIN DISC. FRM.: 600
DOOR-IN-DOOR: X
SPD: X

CKT	CIRCUIT DESCRIPTION	# OF POLES	AMPS	Load	REMARKS
1	1L1	3	225 A	7260 VA	
2	1L2	3	225 A	7695 VA	
3	SPARE	3	225 A	0 VA	
4	2L1	3	225 A	26212 VA	
5	1L3	3	200 A	14591 VA	
6	1L4	3	150 A	11224 VA	
7	SCOREBOARD	2	125 A	19338 VA	
8	SPARE	3	225 A	0 VA	
9	SPARE	3	225 A	0 VA	
10					
			TOTAL CONN. LOAD:	85820 VA	
			TOTAL AMPS:	238 A	

AIC RATING: 15,723

NOTES:

PANELBOARD GENERAL NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLE ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVER, LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE A DEDICATED 15A 3P BREAKER WITHIN EVERY PANELBOARD FOR POWER/REFERENCE LINE TO ASSOCIATED SERIES 7100 METER.

INDEX OF PANELBOARD SCHEDULES

1L4	1L3	L3-A
CT/MS	MDPH	MDPL

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION
DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
PANELBOARD SCHEDULES

SHEET NUMBER
E602

NOTE:
TYPICAL OF 2'X2', 2'X4', 1'X4', AND 4'X4' FIXTURES

1. #12 GA. WIRE HANGER AT EACH CORNER OF FIXTURE (TYP.) INDEPENDENT OF CEILING SUPPORT SYSTEM AND IDENTIFIED AS PER SPECIFICATIONS.
2. FIXTURE CLAMP. PROVIDE ONE PER SIDE PER FIXTURE.

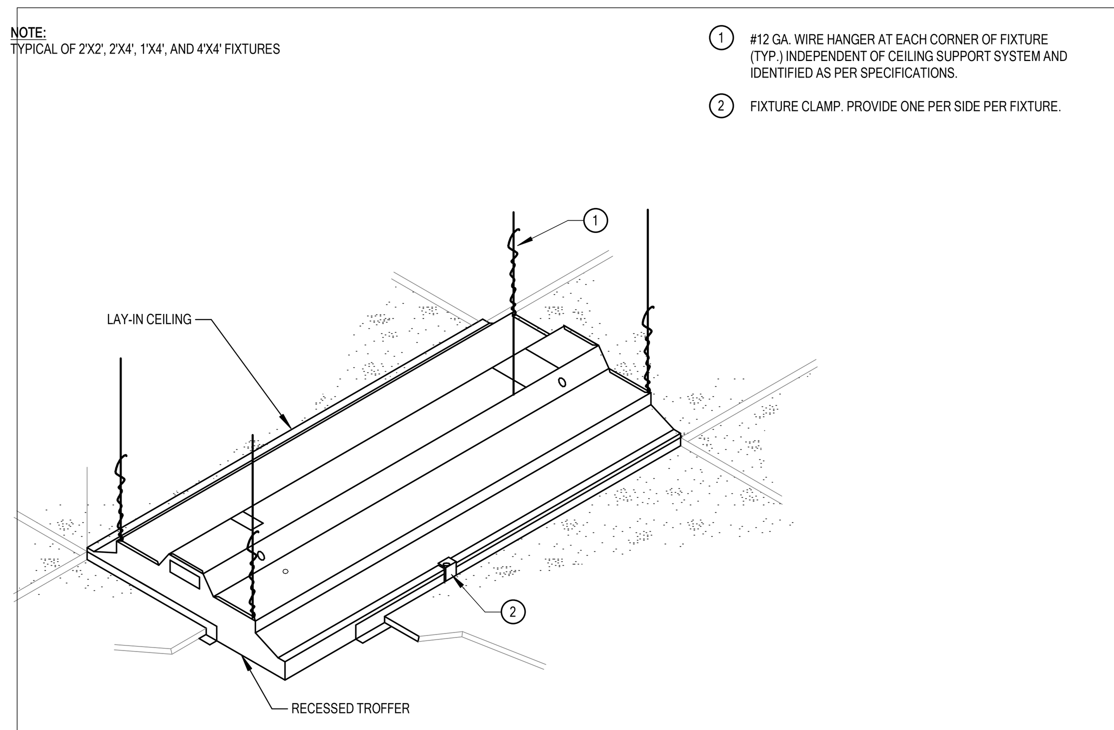


DIAGRAM A001 TYP. RECESSED FIXTURE MOUNTING
NTS

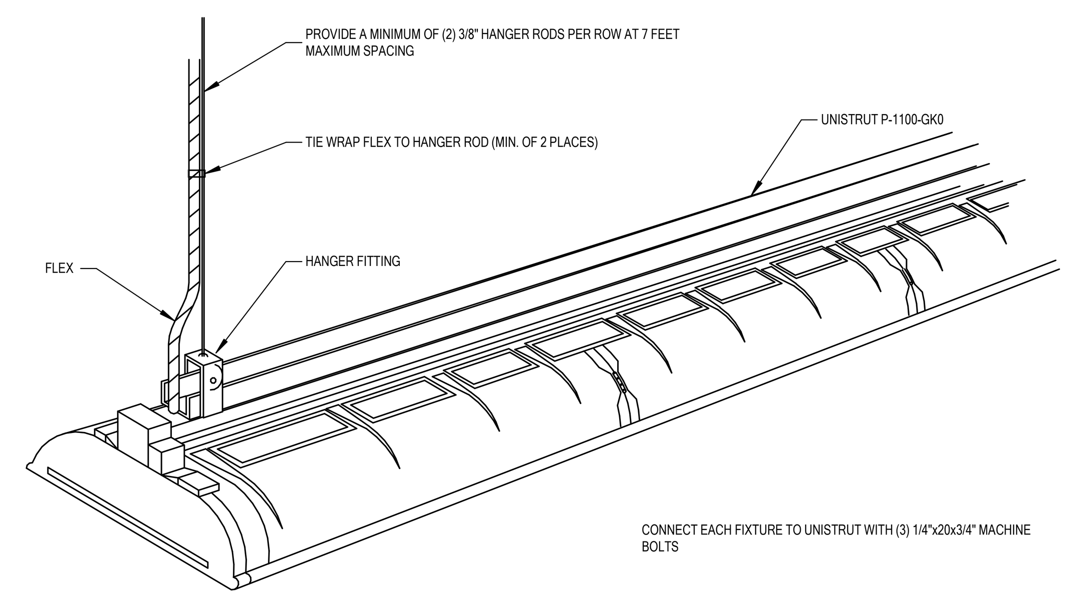
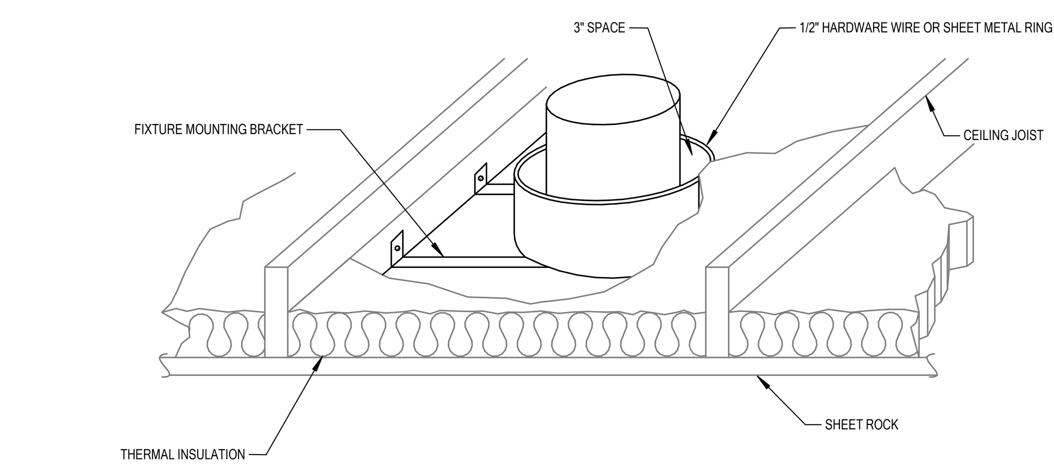


DIAGRAM A010 FIXTURE MOUNTING
NTS



NOTE:
1. THIS REQUIREMENT IS FOR ALL DOWN LIGHT FIXTURES THAT ARE NOT 'IC' RATED
2. INSTALLATION SHALL COMPLY WITH NEC 410-66

DIAGRAM A013 RECESSED DOWN LIGHT
NTS

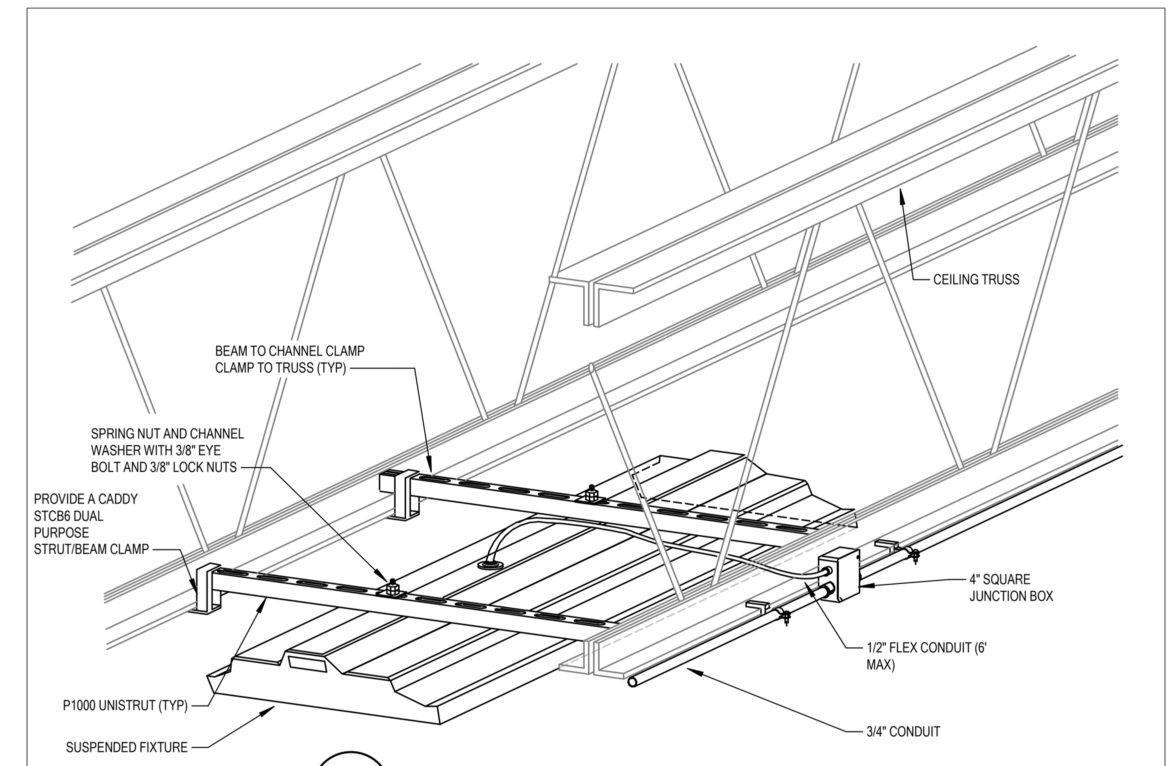


DIAGRAM A027 SUSPENDED LIGHT FIXTURE
NTS

TYPICAL INSTALLATION FOR ELECTRICAL SYSTEMS

NOTES:

1. FREE AIR CABLE SHALL BE CLASSIFIED PLENUM RATED 2 UNSHIELDED CABLE NEC TYPE CMP AND CEC TYPE CMP FT6.SPECIAL COLOR CODE SPECIFIC TO LOW VOLTAGE BALLAST/DRIVER 0-10V WIRING PROTOCOL. PRODUCT SHALL BE MANUFACTURED TO BE IN COMPLIANT WITH THE REQUIREMENTS OF UL444 FOR INSTALLATIONS AND APPLICATIONS IN ACCORDANCE WITH NEC ARTICLES 725 AND 800.

2. FREE AIR CABLE SHALL BE INSTALLED IN A CLEAN AND CRAFTMANSHIP-LIKE MANNER. SUPPORT AT 5'-0" INTERVALS ALONG THE PATH OF THE ACCOMPANYING BRANCH CIRCUIT LIGHTING RACEWAY. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED

3. UTILIZE 18 AWG GAUGE WIRE FOR DISTANCES UP TO 300' AND 16 AWG FOR DISTANCES UP TO 400'.

4. SUPPORT RACEWAYS RIGIDLY ATTACHED TO THE STRUCTURE AT INTERVALS NOT TO EXCEED 8' ON CENTER. PROVIDE A MINIMUM OF 2 SUPPORTS PER 10' OF RACEWAY. SUPPORT RACEWAY WITHIN 12" OF JUNCTION BOX, COUPLING, OUTLET, OR FITTING. PROVIDE RACEWAY SUPPORTS AT EACH 90 DEGREE BEND. REFER TO SPECIFICATION FOR MARE DETAILS.

5. LOCATE LIGHTING JUNCTION BOX WITHIN 3' OF LAY IN FIXTURE.

6. MAKE SPLICES OF 0-10V CABLES INSIDE OF JUNCTION BOXES

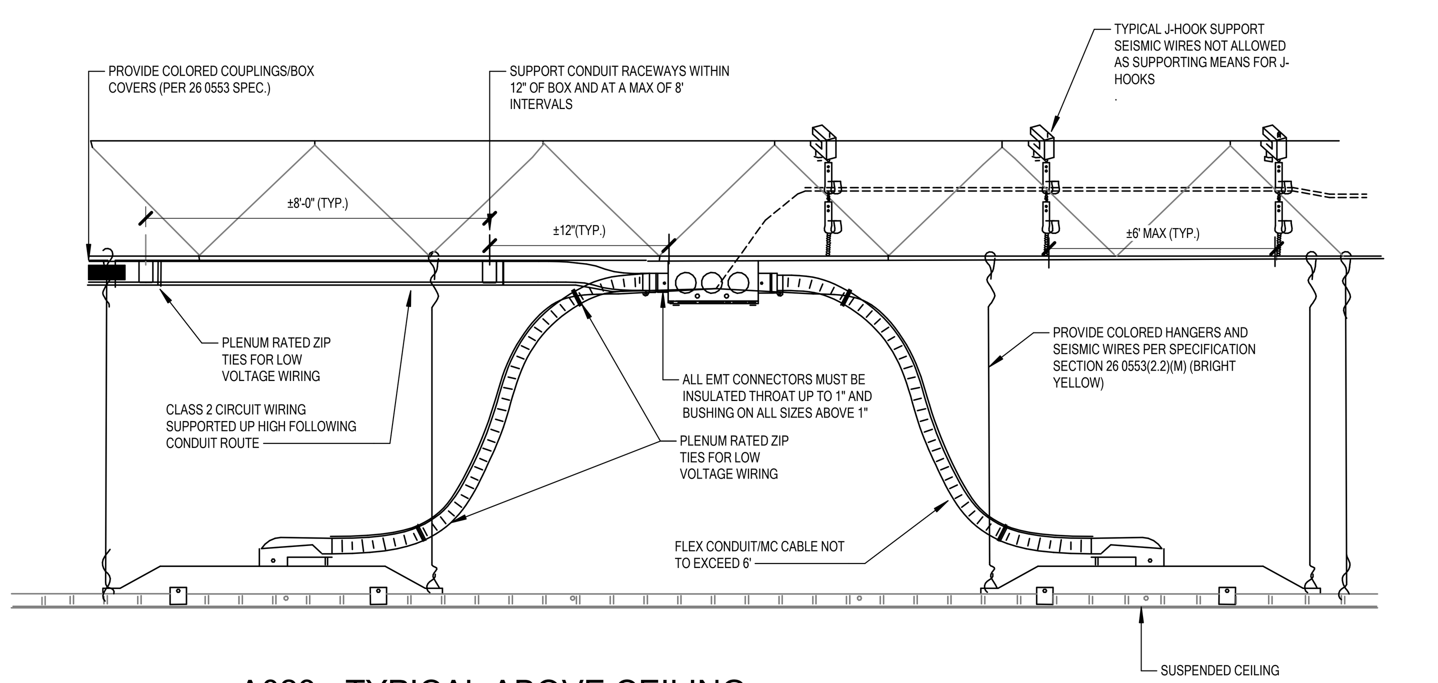
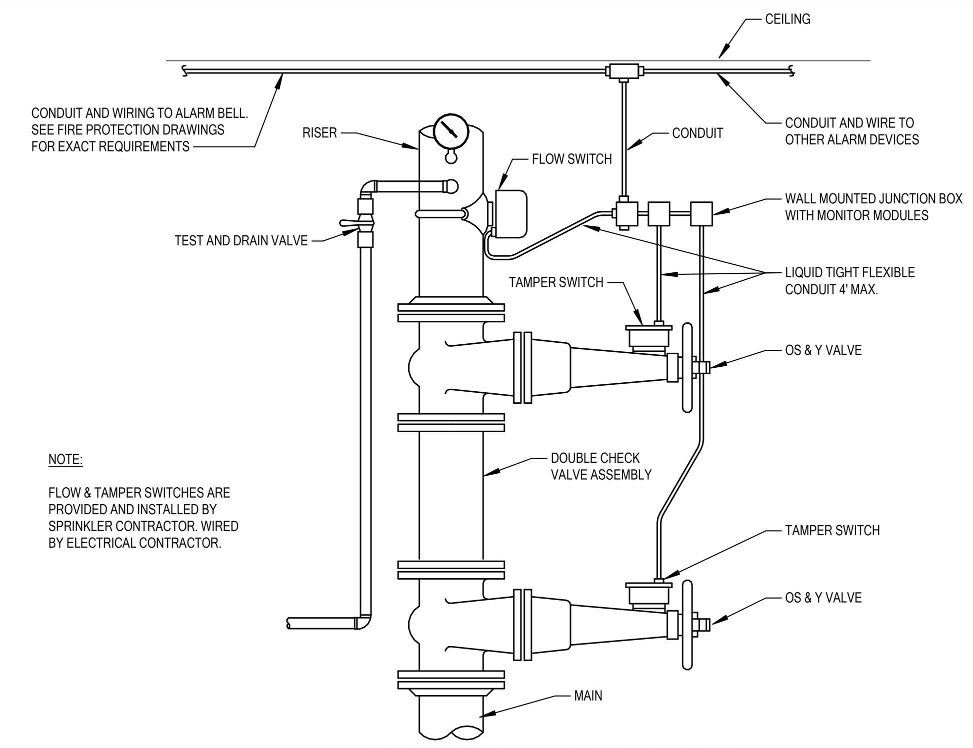


DIAGRAM A029 A029 - TYPICAL ABOVE CEILING ROUGH-IN
NTS



NOTE:
FLOW & TAMPER SWITCHES ARE PROVIDED AND INSTALLED BY SPRINKLER CONTRACTOR. WIRED BY ELECTRICAL CONTRACTOR.

DIAGRAM D001 FIRE SPRINKLER RISER CONNECTION
NTS

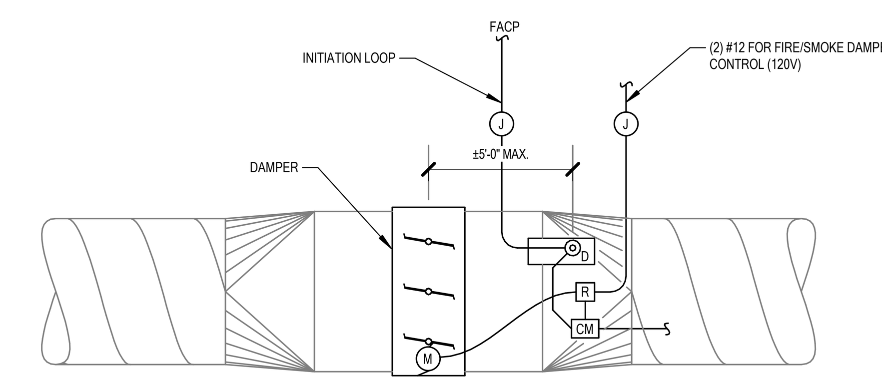


DIAGRAM D012 FIRE/SMOKE/DAMPERS CONNECTION
NTS

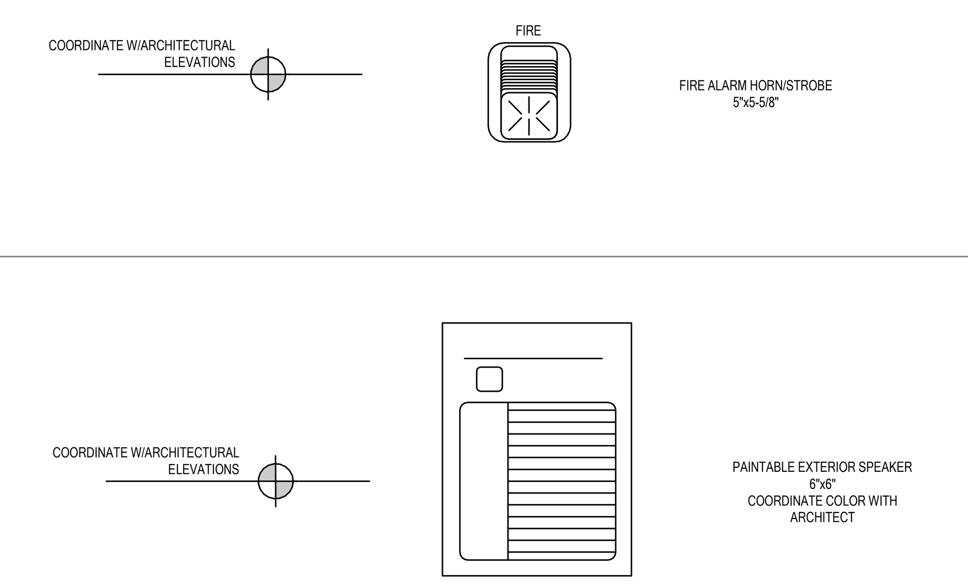


DIAGRAM D007 EXTERIOR FIRE ALARM HORN/STROBE & SPEAKER
NTS

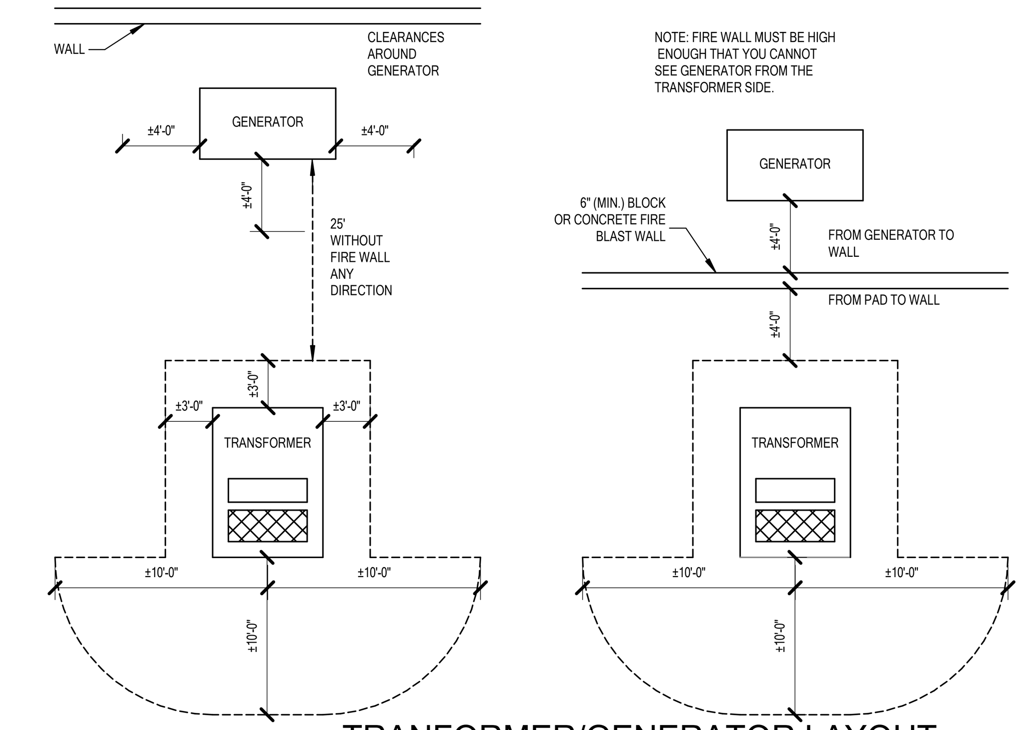


DIAGRAM Q013 TRANFORMER/GENERATOR LAYOUT (RMP)
NTS

GENERAL DIAGRAM NOTES:

1. THE LIGHTING CONTROLS AS SHOWN ARE BASED UPON EATON LIGHTING CONTROLS. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT. ANY SYSTEM DIFFERENT FROM EATON THAT REQUIRES ADDITIONAL RELAYS NOT SHOWN ON PLANS DUE TO LACK OF SEPARATION OF RELAYS AND DIMMING ZONES MUST BE ACCOUNTED FOR AND PROVIDED IN THE BID AND MUST FUNCTION AS SIMILAR TO THAT WHICH IS REQUIRED IN FINAL INSTALLATION.
2. EXACT SPACE LAYOUTS VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
3. ALL ROOM CONTROLLERS SHALL ALLOW FOR TYPICAL 0-10V DIMMING, DAYLIGHT HARVESTING AND OCCUPANCY SENSING. INDEPENDENT DIMMING AND OVERRIDE OF EACH ZONE IS REQUIRED.
4. EACH ROOM CONTROLLER SHALL BE ABLE TO BE INDEPENDENTLY PROGRAMMED ON-SITE.
5. PROVIDE EMERGENCY LIGHTING CONTROL UNIT IN ROOMS/AREAS THAT SHOW EMERGENCY LIGHTING BEING CONTROLLED IN CONJUNCTION WITH NORMAL LIGHTING.
6. ALL CEILING-MOUNTED OCCUPANCY SENSORS SHALL BE PROVIDED WITH AN AUXILIARY CONTACT FOR HVAC CONTROL.
7. PROVIDE A UL 924 RELAY AS SPECIFIED FOR AUTOMATIC EMERGENCY LIGHTING CONTROL. THE UL 924 RELAY AUTOMATICALLY TRACKS WITH RELAY 1 AND CAN BE CONNECTED TO ANY OF THE THREE 0-10V DIMMERS. THE UL 924 RELAY AUTOMATICALLY CLOSES AND DISCONNECTS THE 0-10V CONTROL OPEN LOSS OF NORMAL POWER PROVIDING ADEQUATE EGRESS LIGHTING CONTROL. LADDERLESS MAINTENANCE TESTING OF THE UL 924 RELAY CAN BE ACHIEVED BY PRESSING THE ALL OFF BUTTON FOUR TIMES.
8. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, INTERCOM, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC, NEC 800.12/300.11. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORTS NOT ALLOWED.

***0-10V DIMMING ZONE NOTE:**

1. THE 0-10V DIMMING ZONES WITHIN THE ROOM CONTROLLER CAN BE WIRED AND CONTROLLED INDEPENDENT OF THE CONNECTED LOADS. THIS ALLOWS A EACH LOAD TO HAVE A DEDICATED 0-10V DIMMING ZONE OR A SINGLE LOAD TO HAVE UP TO THREE 0-10V DIMMING ZONES.
2. ALL RELAYS REQUIRING DIMMING AND/OR DAYLIGHT HARVESTING SHALL UTILIZE 0-10V DIMMING. PROVIDE 0-10V DIMMING WIRING AND CONTROLS AS REQUIRED.

DIAGRAM KEYED NOTES:

1. EXACT ROOM CONTROLLER MODEL WILL VARY. PROVIDE THE CORRECT ROOM CONTROLLER MODEL BASED UPON WHAT IS SHOWN ON PLANS AND WHAT IS REQUIRED FOR PROPER LIGHTING CONTROL SEQUENCING.
2. SEE LIGHTING PLANS FOR BRANCH CIRCUIT REQUIREMENTS.
3. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2018 C405.2.2.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE ROOM FOR PROPER COVERAGE. PROVIDE ADDITIONAL DIMMING ZONES/RELAYS AND WIRING TO CONTROL THE DAYLIGHTING ZONE SEPARATE FROM THE FIXTURES OUTSIDE THE DAYLIGHT ZONE.
4. PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
5. PROVIDE LOW VOLTAGE WALLSTATION AS SEE DIAGRAM FOR WALLSTATION LAYOUT AND CONFIGURATION.
6. IF INDICATED, SEE DRAWINGS FOR DIMMING ZONES REQUIRED e.g. 'D1', 'D2', 'D3'.
7. MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED DEVICES. PROVIDE INDICATOR LABELING ON CEILING TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD OF LABELING.
8. INTERIOR CLASSROOMS AND WHERE LOCATED ON ARCHITECTURAL PLANS, PROVIDE CONNECTION BETWEEN ADJUSTABLE SKYLIGHTS AND ROOM CONTROLLERS ONBOARD CONNECTION FOR OPERATION OF ADJUSTABLE SKYLIGHT MOTORS. THE ADJUSTABLE SKYLIGHT WILL AUTOMATICALLY OPEN AND CLOSE BASED ON SIGNALS RECEIVED FROM THE ROOM CONTROLLER. SKYLIGHTS SHALL BE INTERFACED WITH DIMMING. LOUVER SHALL AUTOMATICALLY BE CONTROLLED BASED ON THE LIGHTING WALLSTATIONS AND LIGHT SENSORS USED IN THE ROOM.
9. PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION. COORDINATE WITH MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.

EMERGENCY NOTE:
EMERGENCY LOAD TRACKS WITH NORMAL LIGHTING. YELLOW LOAD FOR ON/OFF. IF DIMMING IT WILL BE ADJUSTED WITH THE DIMMING ZONE IT IS GROUPED WITH. UPON LOSS OF NORMAL POWER TO THE RELAY, THE EMERGENCY LOAD WILL BE FORCED ON AND FULL BRIGHT TO 100%. IN ROOM LADDERLESS TESTING IS DONE BY PRESSING THE "ALL OFF" BUTTON FOUR TIMES, WITHIN 3 SECONDS. THE EMERGENCY RELAY DEVICE IS UL924 LISTED.

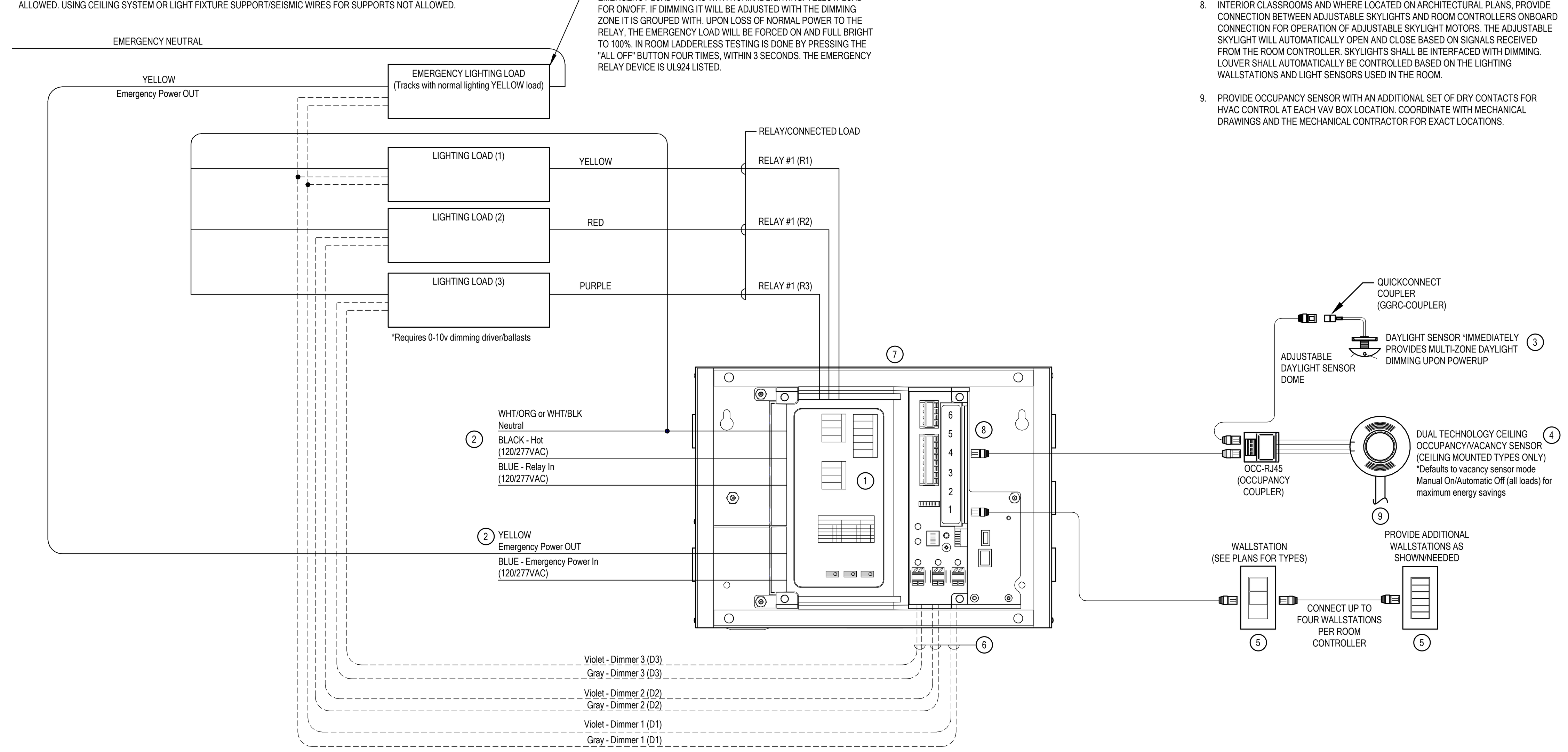


DIAGRAM S003 TYPICAL ROOM CONTROLLER, DAYLIGHTING, 0-10V DIMMING, 1,2,3, EM RELAY
NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
ELECTRICAL DIAGRAMS

SHEET NUMBER
E701

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BP2.rvt
9/11/2024 6:16:31 PM

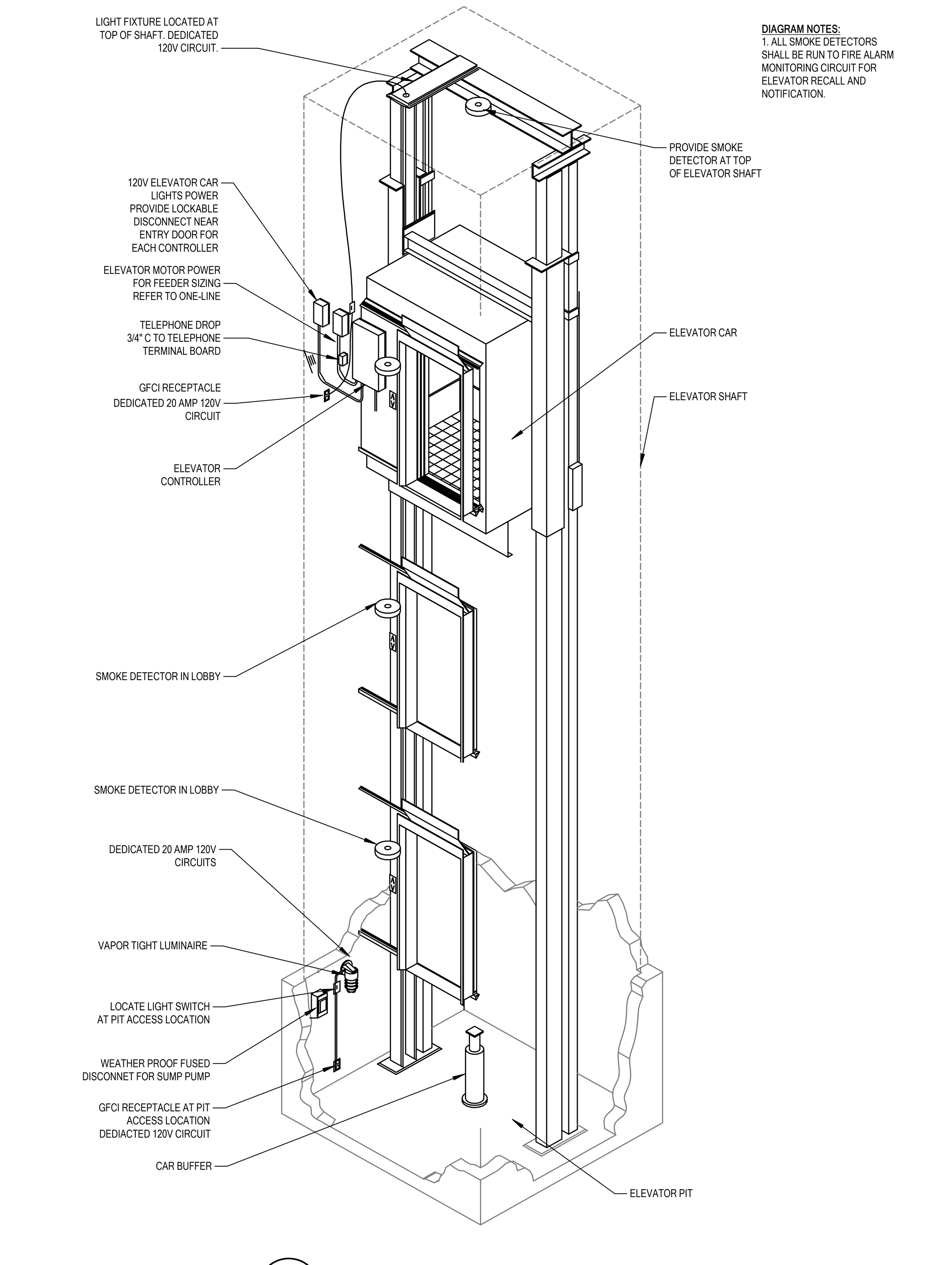
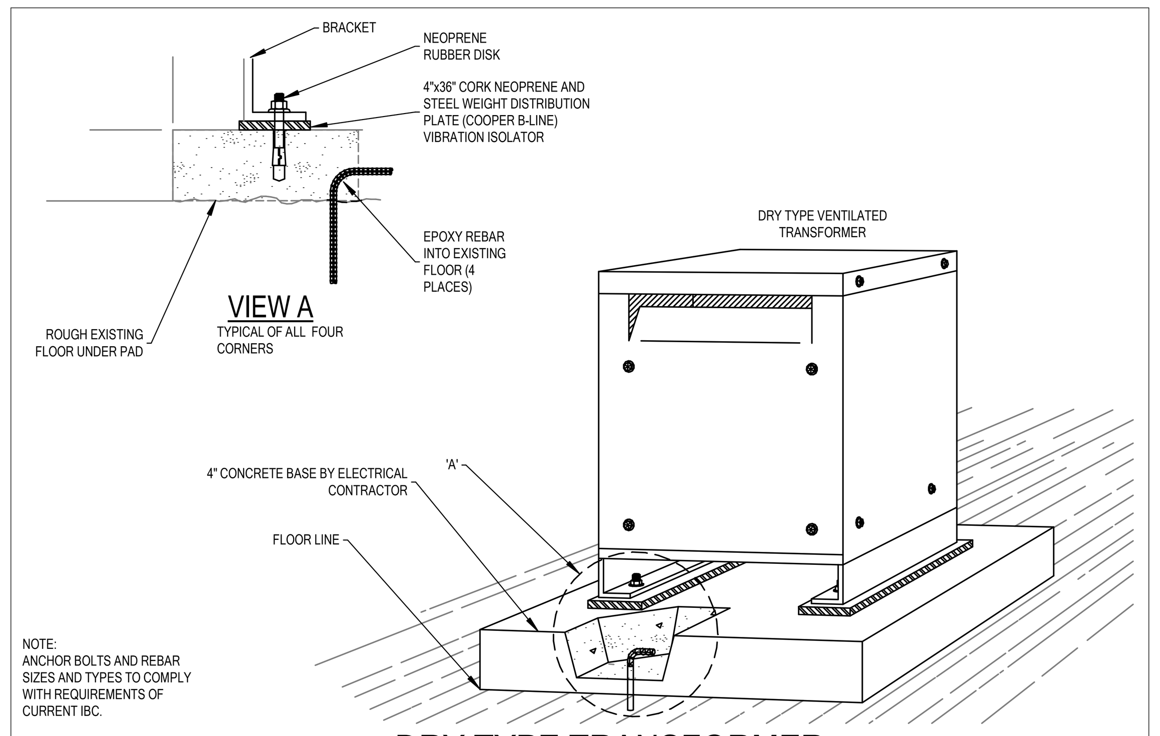


DIAGRAM NOTES:
1. ALL SMOKE DETECTORS SHALL BE RUN TO FIRE ALARM MONITORING CIRCUIT FOR ELEVATOR RECALL AND NOTIFICATION.

DIAGRAM D014 MACHINE ROOM LESS ELEVATOR
NTS



NOTE:
ANCHOR BOLTS AND REBAR SIZES AND TYPES TO COMPLY WITH REQUIREMENTS OF CURRENT IBC.

DIAGRAM Q003 DRY TYPE TRANSFORMER MOUNTING
NTS

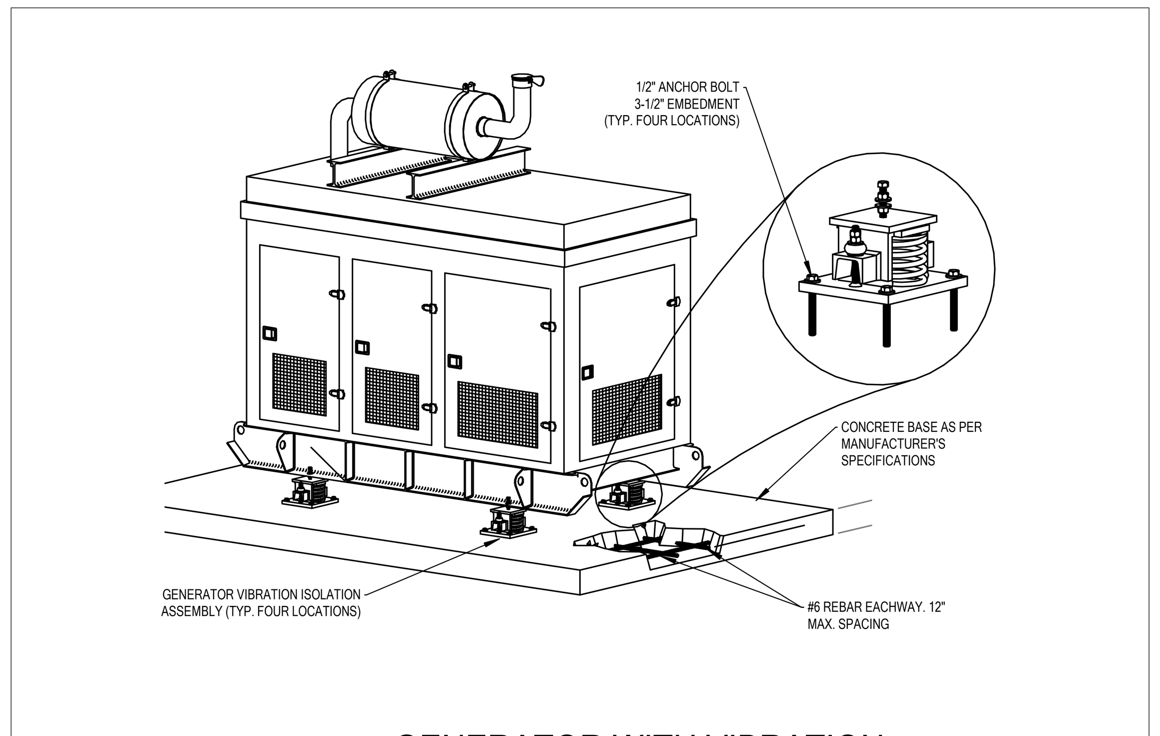


DIAGRAM N005 GENERATOR WITH VIBRATION ISOLATOR
NTS

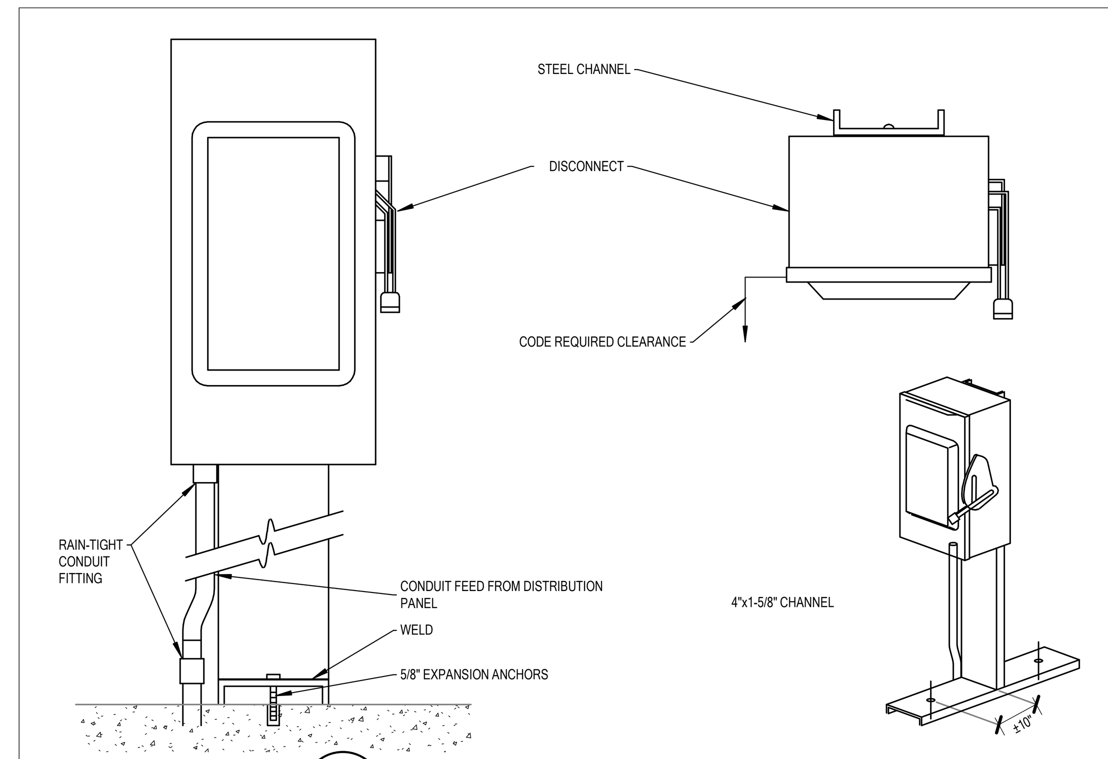
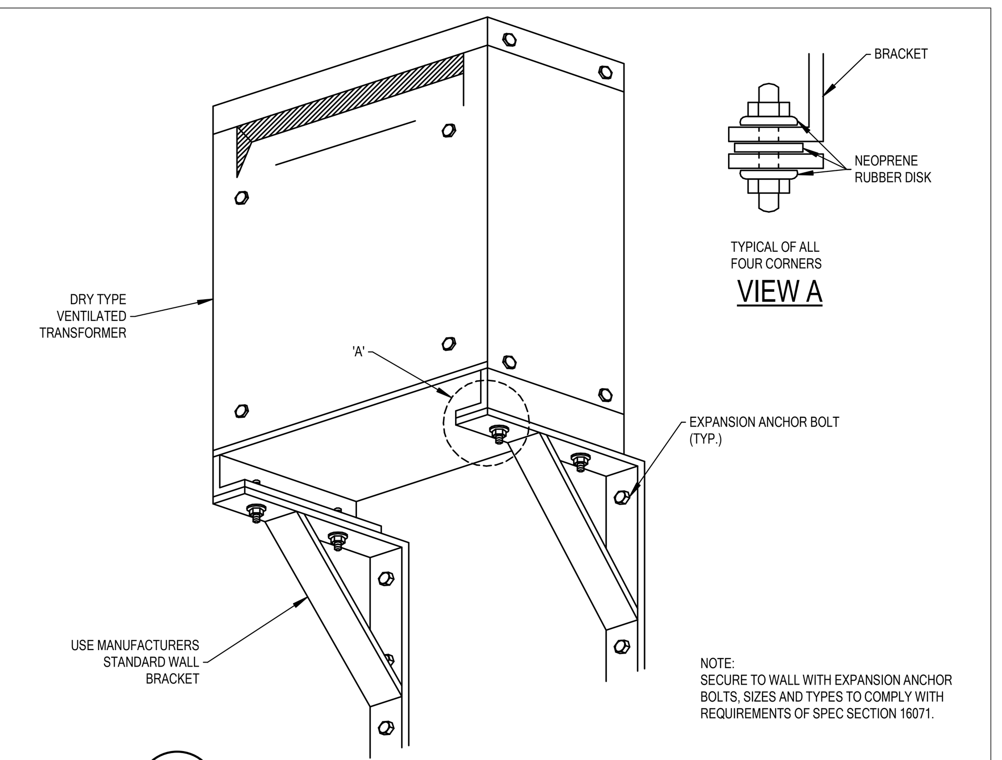


DIAGRAM M001 REMOTE DISCONNECT
NTS



NOTE:
SECURE TO WALL WITH EXPANSION ANCHOR BOLTS. SIZES AND TYPES TO COMPLY WITH REQUIREMENTS OF SPEC SECTION 16071.

DIAGRAM Q002 TRANFORMER WALLL MOUNTING
NTS

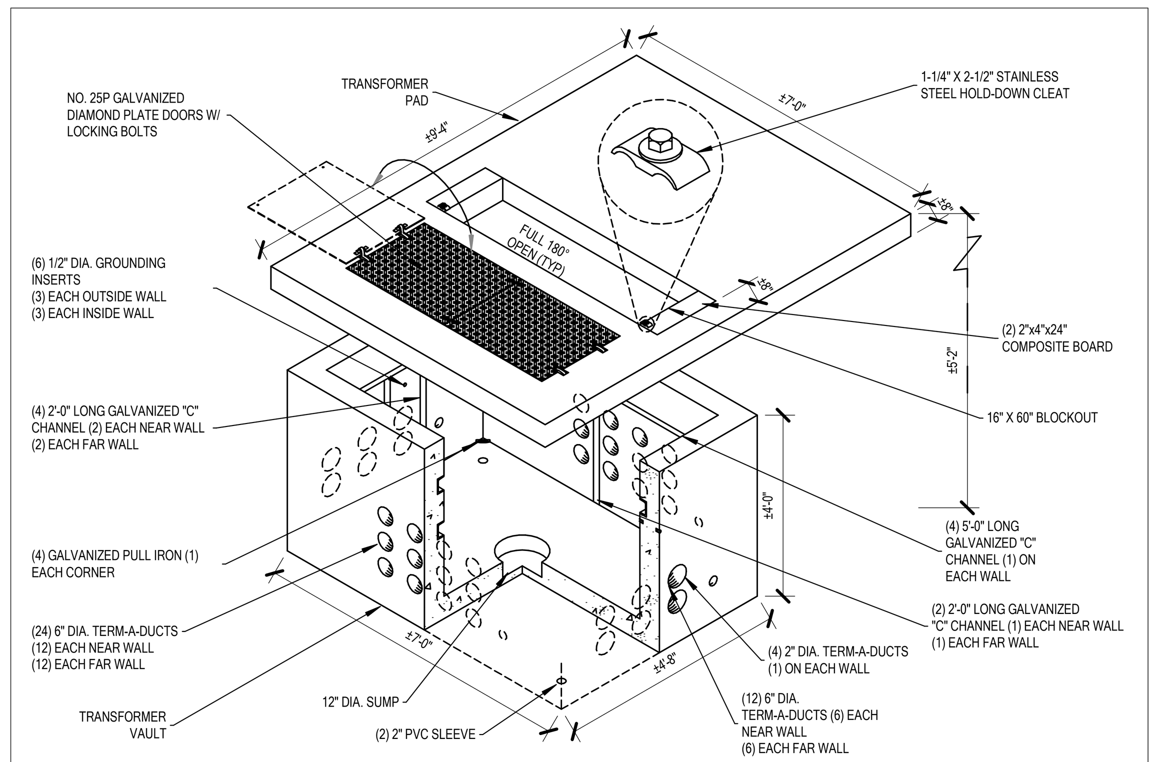


DIAGRAM Q015 TRANSFORMER VAULT (75-750 KVA)
NTS

DIAGRAM NOTE:
1. FROM J-BOX IN ACCESSIBLE CEILING SPACE PROVIDE SPECIFIED CABLE RACEWAY TO ROUTE CABLING TO THE DESIGNATED CONTROL PANELS WITH CABLE SERVICE LOOPS ON EACH END.

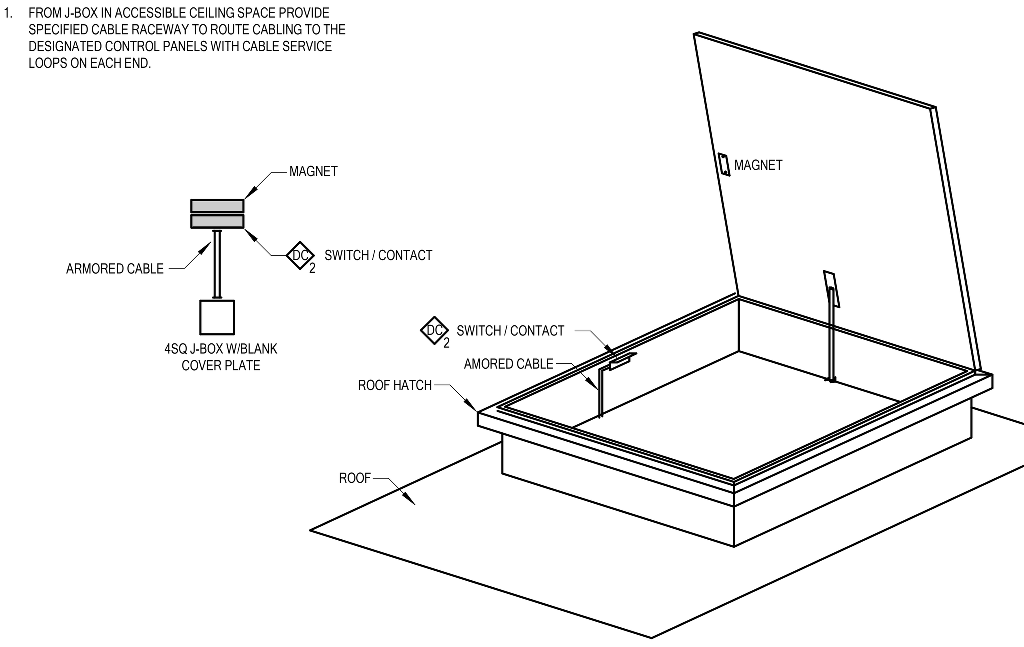


DIAGRAM EY103 TYPICAL ROOF HATCH WITH CONTACT
NTS

NOTES:
1. ALL CONDUIT AND WIRE BY DIVISION 26.
2. ALL LOW VOLTAGE CONNECTIONS AND HARDWARE BY OTHERS.
3. COORDINATE WITH HARDWARE INSTALLER FOR EXACT LOCATION OF ACTUATORS, OPERATORS AND ANY ADDITIONAL REQUIREMENTS.
4. SEE DOOR HARDWARE SPECIFICATIONS FOR WIRE REQUIREMENTS.
5. PROVIDE CONNECTION TO DOOR OPENER/ACTUATOR TO ACCESS CONTROL SYSTEM. PROGRAM CARD READER AND ADA OPERATOR PER OWNERS REQUIREMENTS.

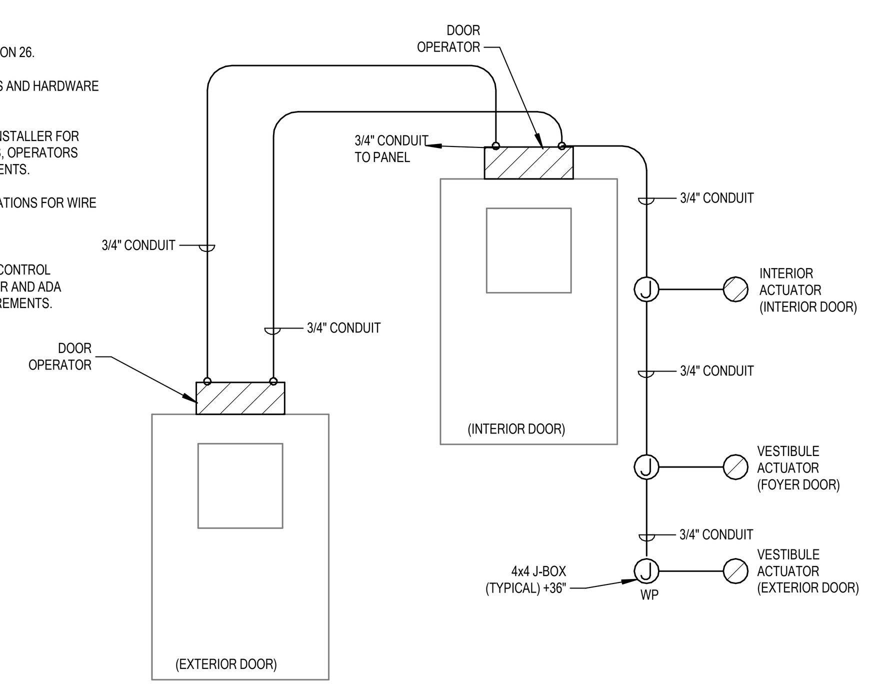


DIAGRAM EY504 ADA ENTRY SYSTEMS
NTS

NOTES
1. PROVIDE PULL CORD IN ALL EMPTY RACEWAYS.
2. BOND ALL RACEWAYS (SIZED PER NEC REQUIREMENTS) TO ELECTRICAL SERVICE GROUND

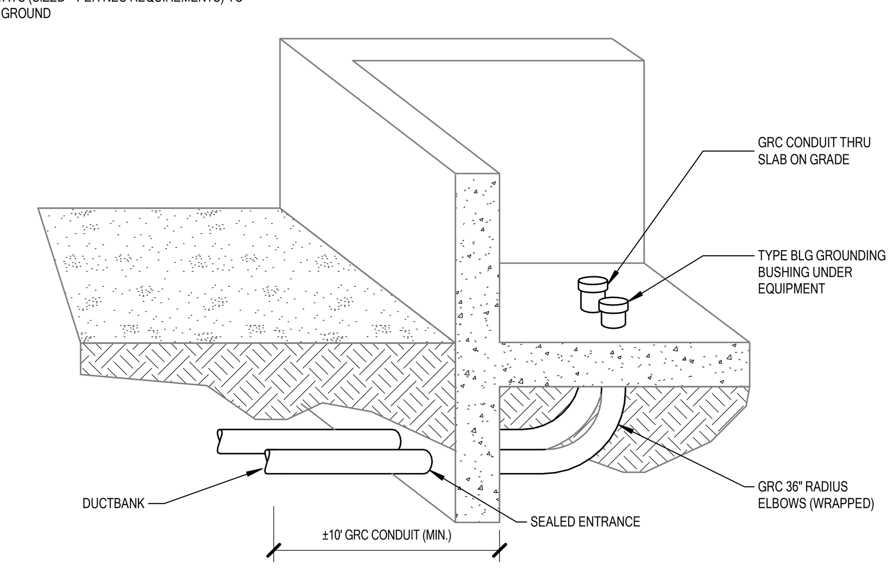


DIAGRAM F002 BUILDING ENTRANCE CONDUITS
NTS

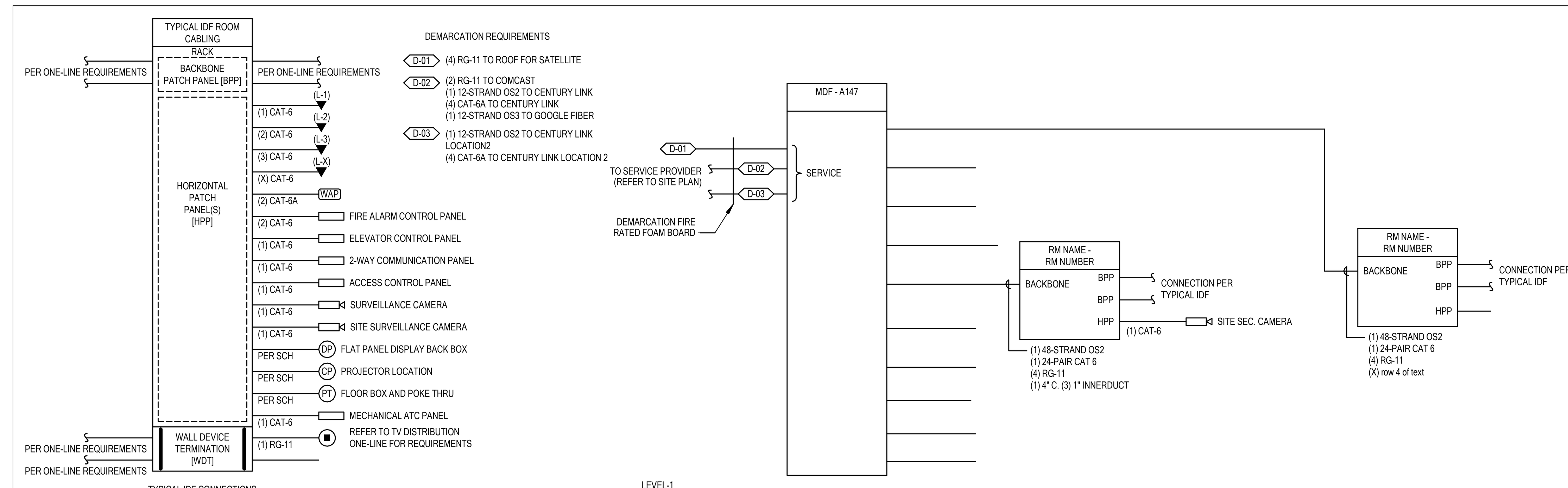


DIAGRAM F102 HORIZONTAL CABLING ONE-LINE
NTS

GENERAL NOTES:
1. SEE SPECIFICATION FOR ALL INSTALLATION REQUIREMENTS.
2. INSTALL DETECTABLE MARKING TAPE FOR ALL UNDERGROUND WIRING. SEE SPECIFICATION FOR MORE INFORMATION.

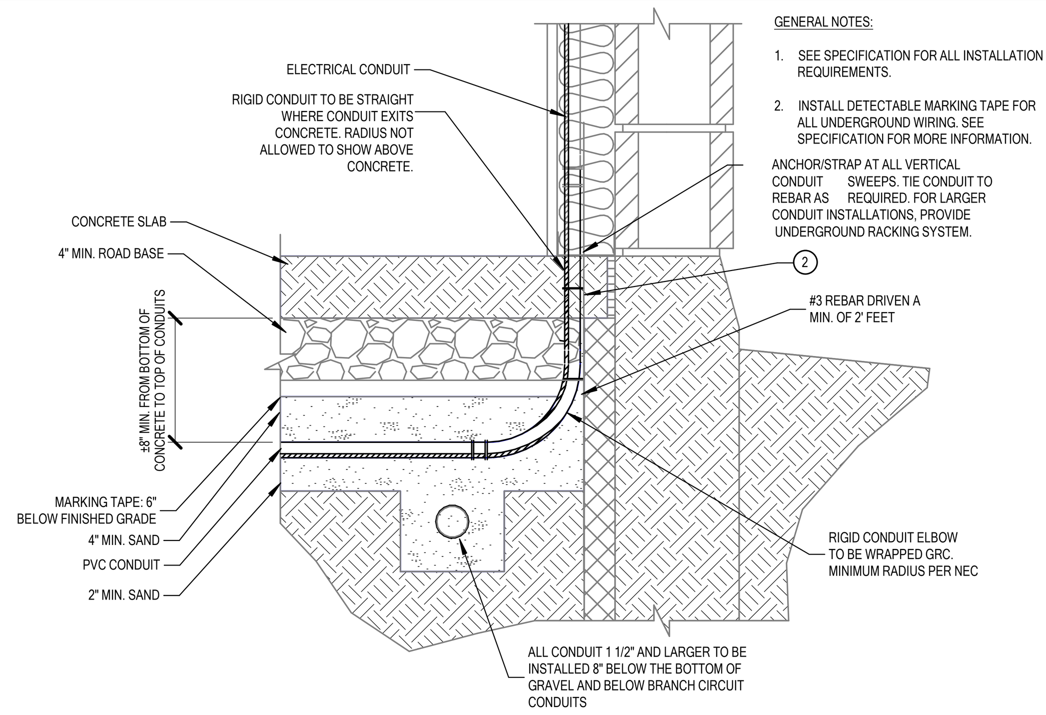


DIAGRAM F016 TYPICAL CONDUIT INSTALLATION
NTS

NOTES:
TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUS.
IBT - INTERSYSTEM BONDING TERMINAL.
HC - HORIZONTAL CROSS-CONNECT ROOM.
MC - MAIN CROSS-CONNECT ROOM.
TGB - TELECOMMUNICATIONS GROUNDING BUS.
TBB - TELECOMMUNICATIONS BONDING BACKBONE.
BC - BONDING CONDUCTOR.
TR - TELECOMMUNICATIONS ROOM.
EF - ENTRANCE FACILITY.
MBJ - MAIN BONDING JUMPER.
EGB - EQUIPMENT GROUNDING BUS.

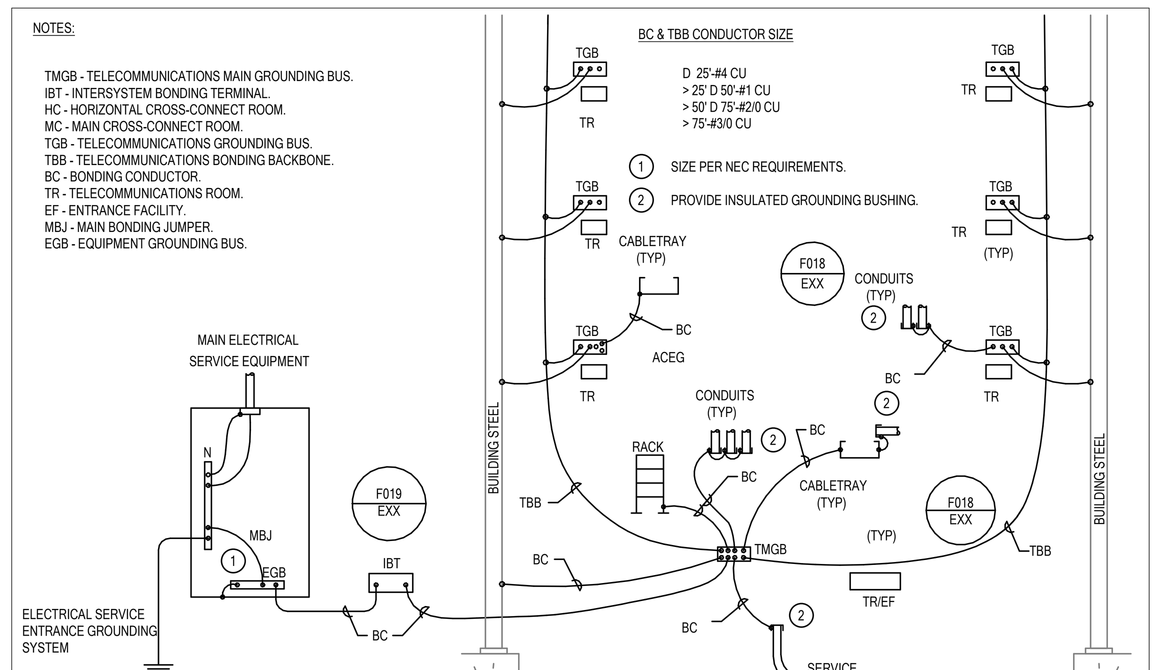


DIAGRAM F021 TYPICAL LARGE TELECOMMUNICATIONS SYSTEM GROUNDING/BONDING
NTS

NOTES:
1. PROVIDE 2-HOLE COMPRESSION LUGS AS REQUIRED.

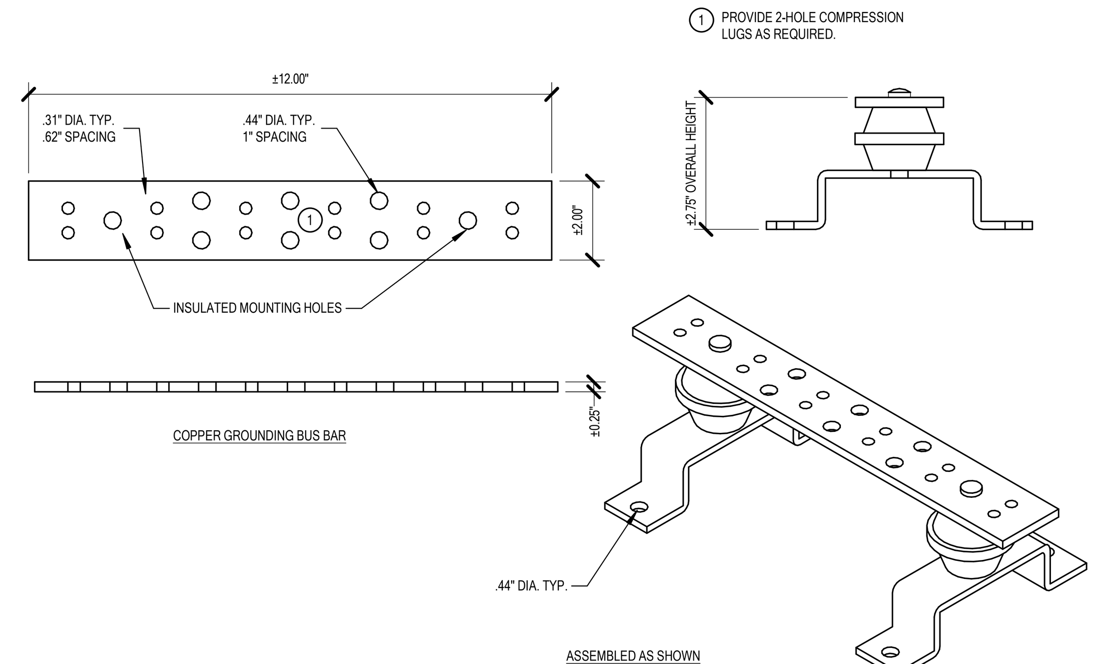


DIAGRAM F019 GROUNDING BUS BAR "IBT"
NTS

NOTES:
1. PROVIDE 2-HOLE COMPRESSION LUGS AS REQUIRED.

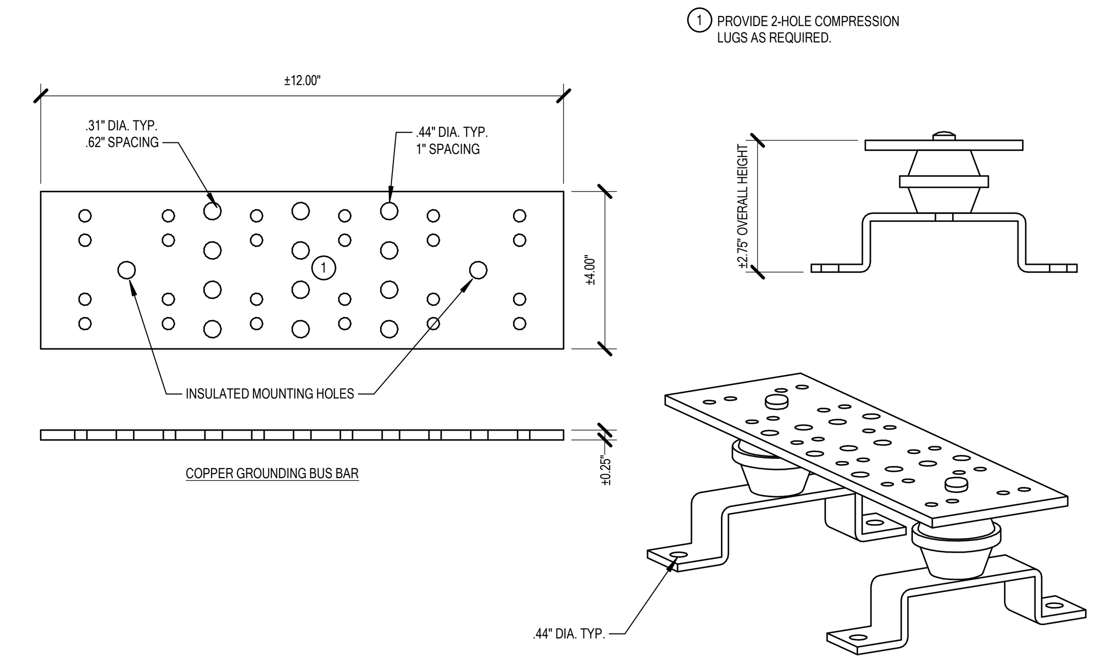


DIAGRAM F018 GROUNDING BUS BAR "TMGB"
NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS
CCHS FIELDHOUSE & SOCCER FIELD
12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

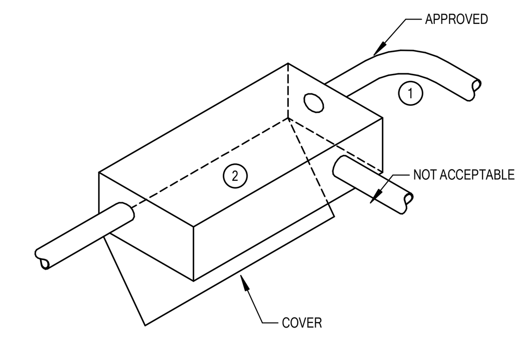
SHEET TITLE
ELECTRICAL DIAGRAMS

SHEET NUMBER
E702

MINIMUM SPACE REQUIREMENTS IN PULL BOX				
CONDUIT SIZE	WIDTH	LENGTH	DEPTH	ADDITIONAL WIDTH PER CONDUIT
1"	4"	16"	4"	2"
2"	8"	36"	4"	5"
3"	12"	48"	6"	6"
4"	16"	60"	8"	8"

NOTES:

1. MAXIMUM OF (2) 90° BENDS BETWEEN PULL BOXES (MAX DISTANCE BETWEEN PULL BOXES 100'.
2. ALL PULL BOXES SHALL BE INSTALLED IN STRAIGHT SECTION OF RACEWAY, NO TURNS ARE ALLOWED IN PULL BOX.



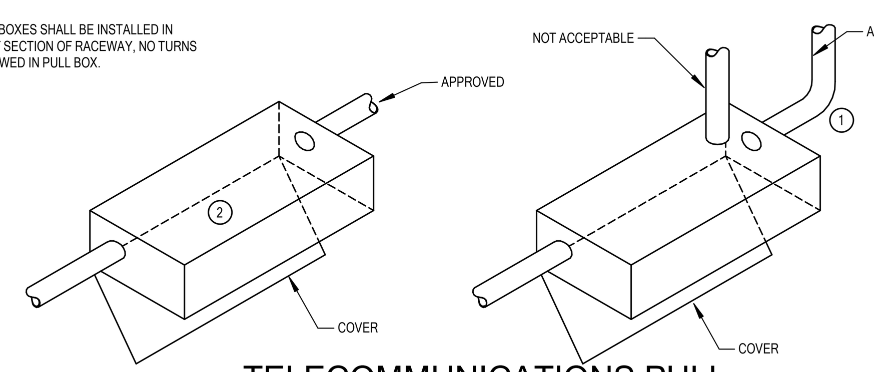


DIAGRAM (F024) TELECOMMUNICATIONS PULL BOXES
NTS

NOTES:

TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUS.

IBT - INTERSYSTEM BONDING TERMINAL.

BC - BONDING CONDUCTOR.

MBJ - MAIN BONDING JUMPER.

EGB - EQUIPMENT GROUNDING BUS.

TGB - TELECOMMUNICATIONS GROUNDING BUS.

NOTES:

1. SIZE PER NEC 250.66.
2. PROVIDE GROUNDING/BONDING SYSTEM CONNECTIONS TO MAIN ELECTRICAL SERVICE AT THE LOCATION OF THE THE MAIN SERVICE DISCONNECT.

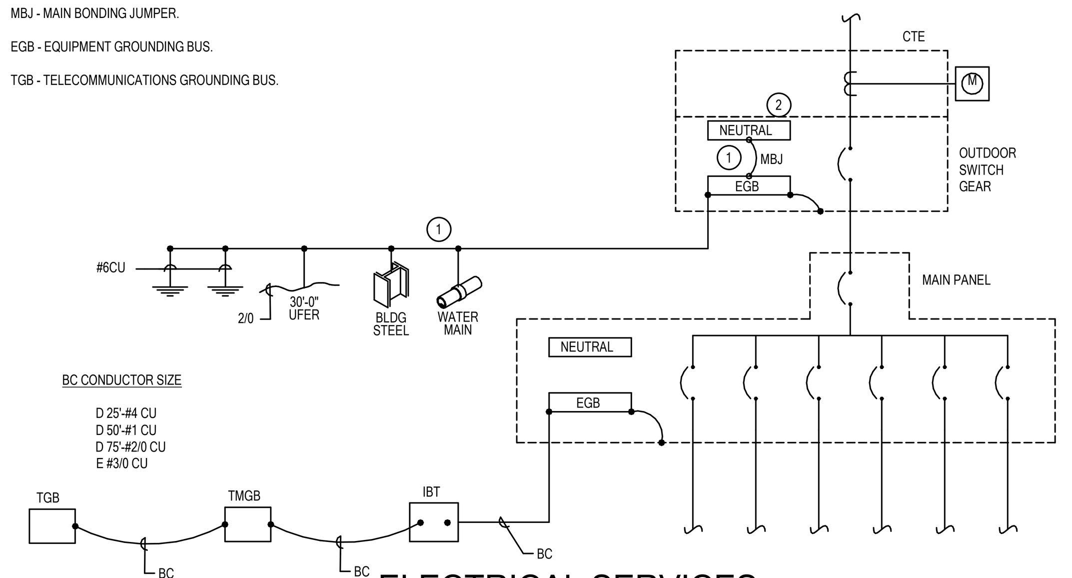


DIAGRAM (F026) ELECTRICAL SERVICES GROUNDING/BONDING
NTS

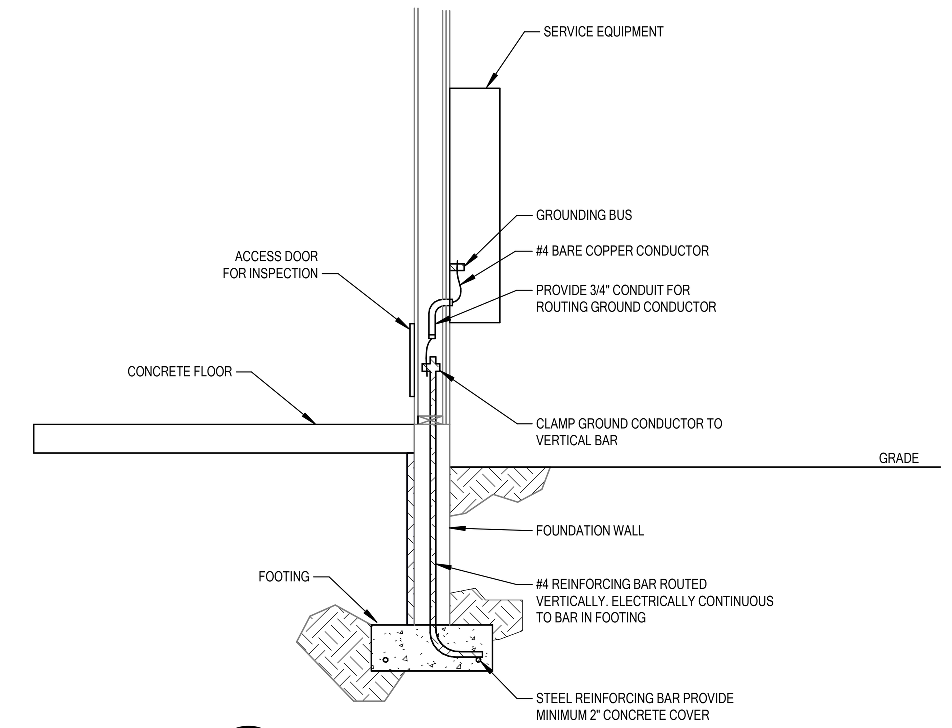


DIAGRAM (F027) UFER GROUNDING
NTS

NOTES

1. SEAL CONDUIT AT FLOOR LINE FOR WATER TIGHT SEAL.

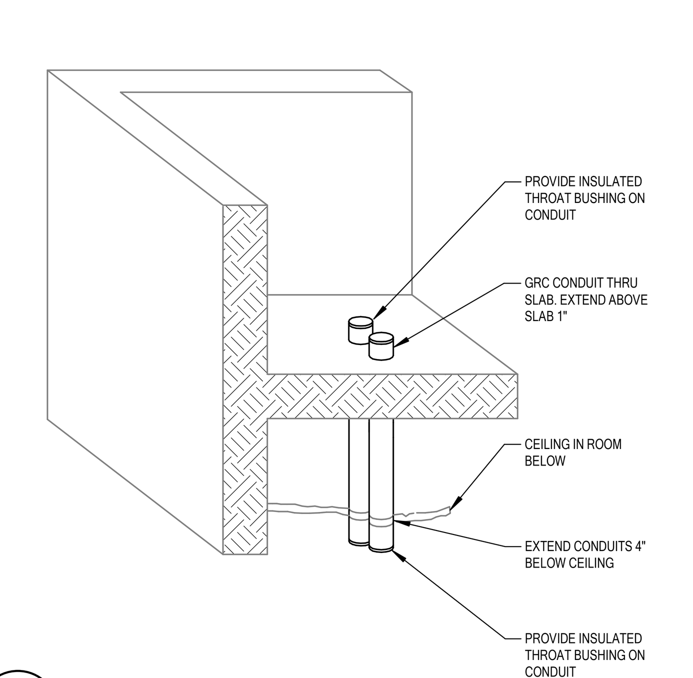


DIAGRAM (F028) CONDUIT SLEEVES
NTS

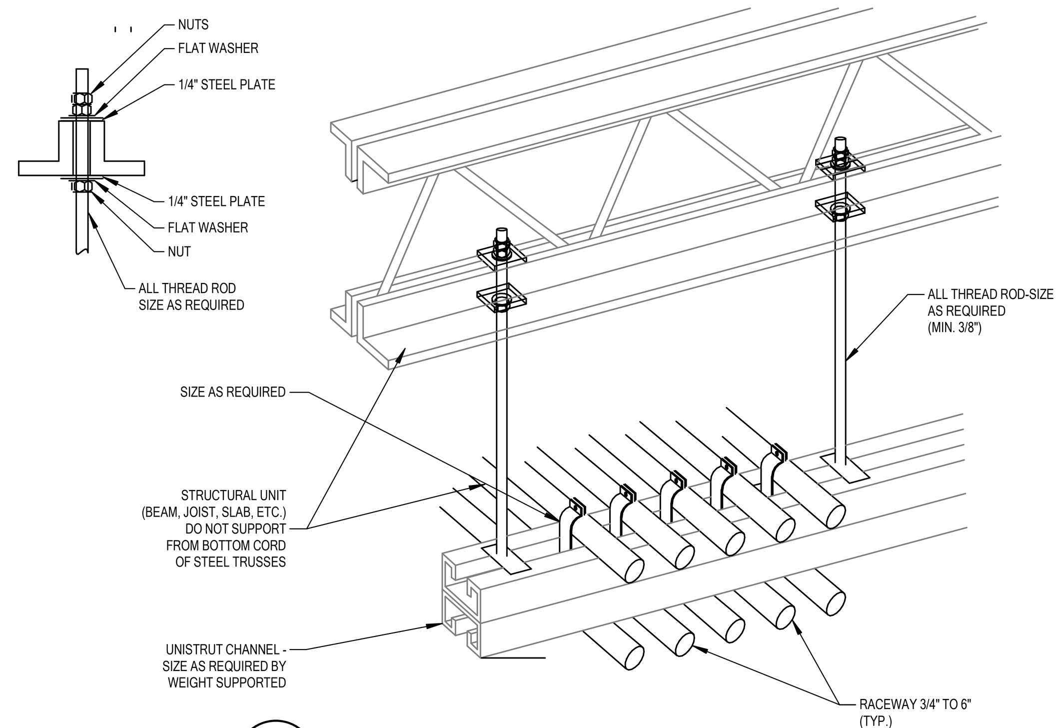
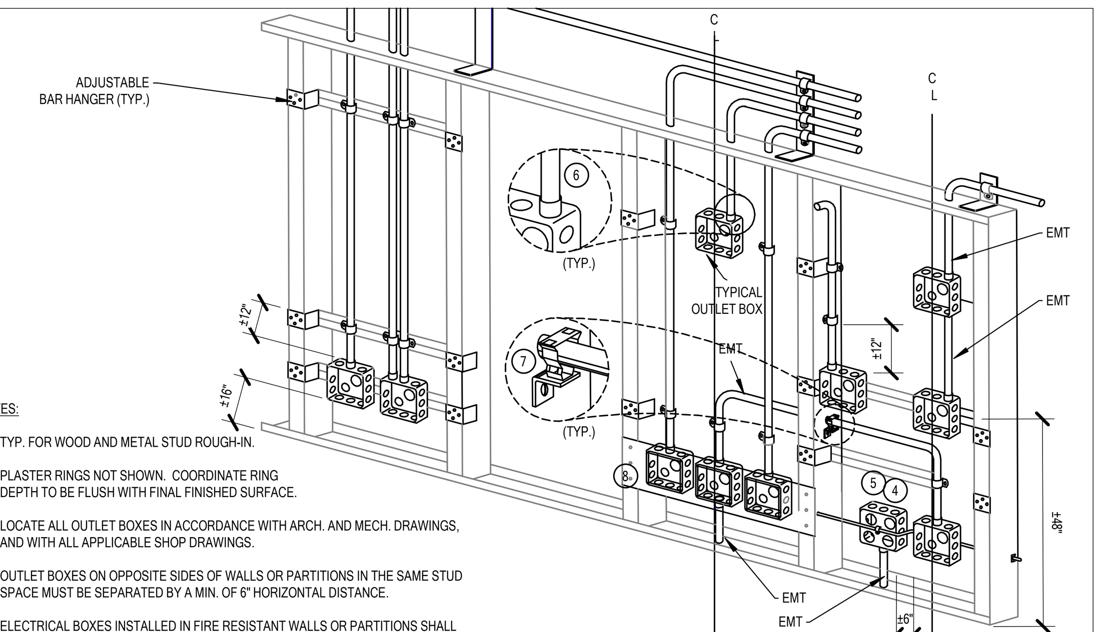


DIAGRAM (H001) TYPICAL TRAPEZE CONDUIT RACK
NTS



NOTES:

1. TYP. FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISHED SURFACE.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
5. ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.4.2 (24" SEPARATION ON OPPOSITE SIDES OR WITH FIRE STOP PUTTY ON EACH BOX.)
6. INSULATED THROAT EMT CONNECTOR.
7. CADDY FASTENER, THROUGH STUD CABLE/CONDUIT SUPPORT .
8. CADDY BOX MOUNTING BRACKET .

DIAGRAM (H004) TYPICAL ROUGH IN REQUIREMENTS
NTS

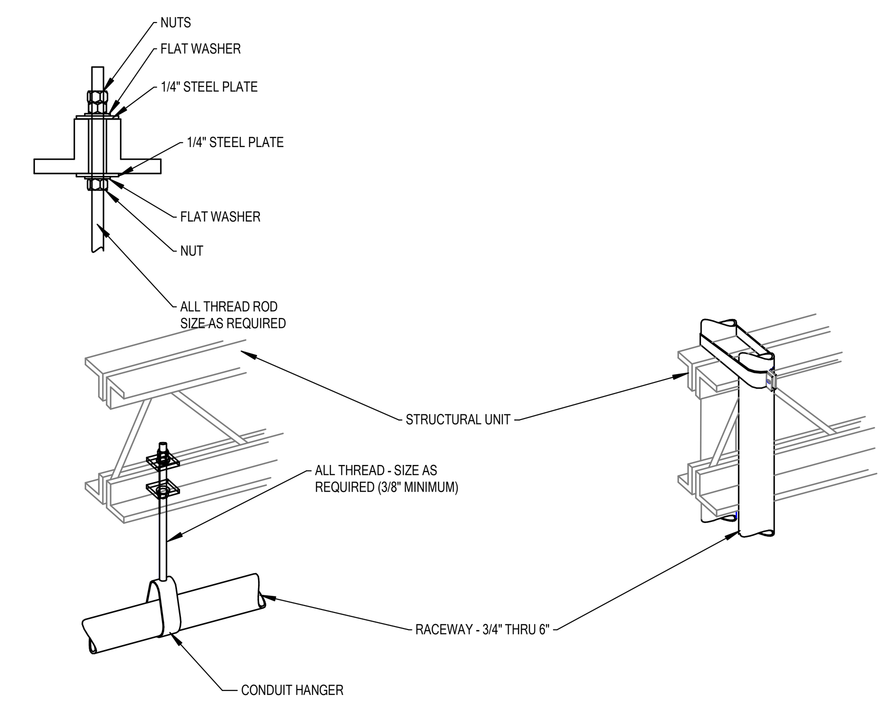


DIAGRAM (H003) TYPICAL RACEWAY SUPPORT METHODS
NTS

TYPE CSMI AND CSMC

CORED HOLE APPLICATION

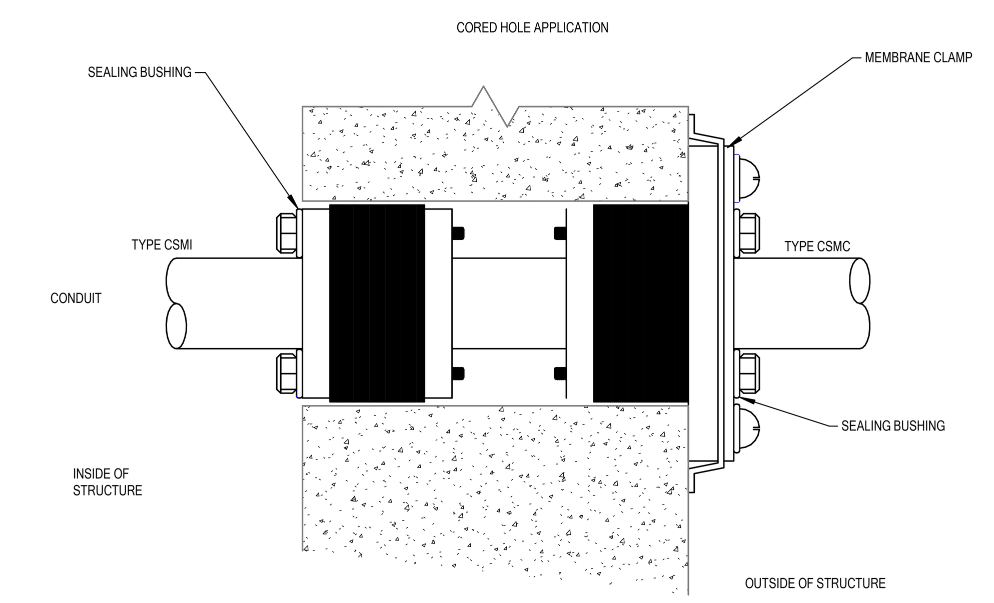


DIAGRAM (H002) CONDUIT PENETRATION
NTS

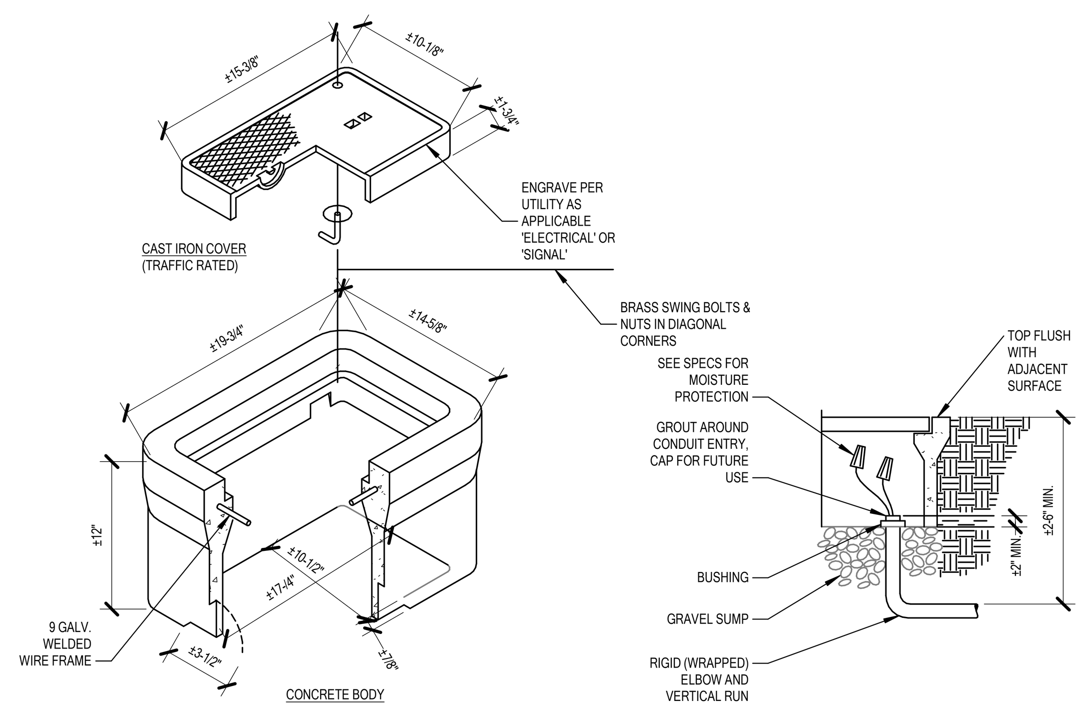


DIAGRAM (L003) CONCRETE J-BOX
NTS

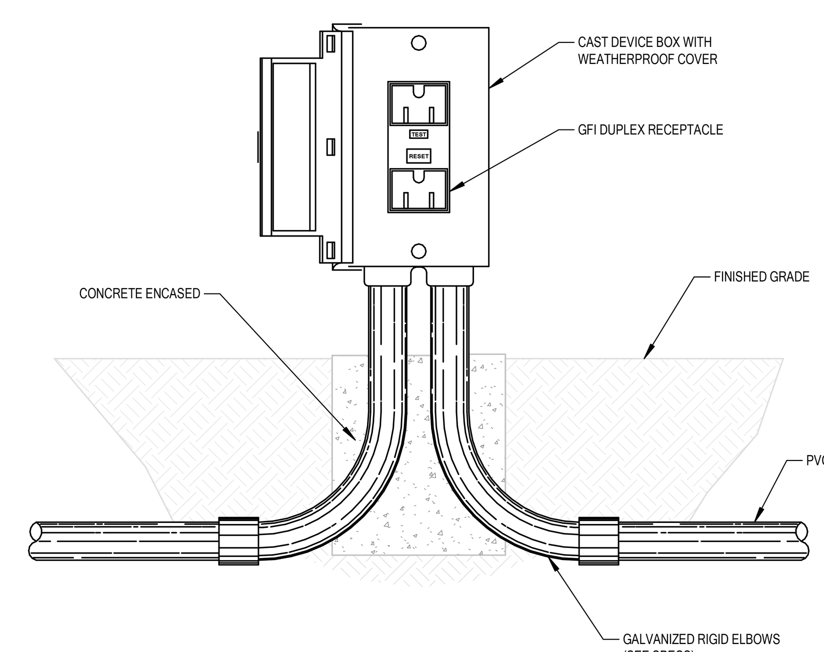


DIAGRAM (L002) RECEPTACLE MOUNTING
NTS

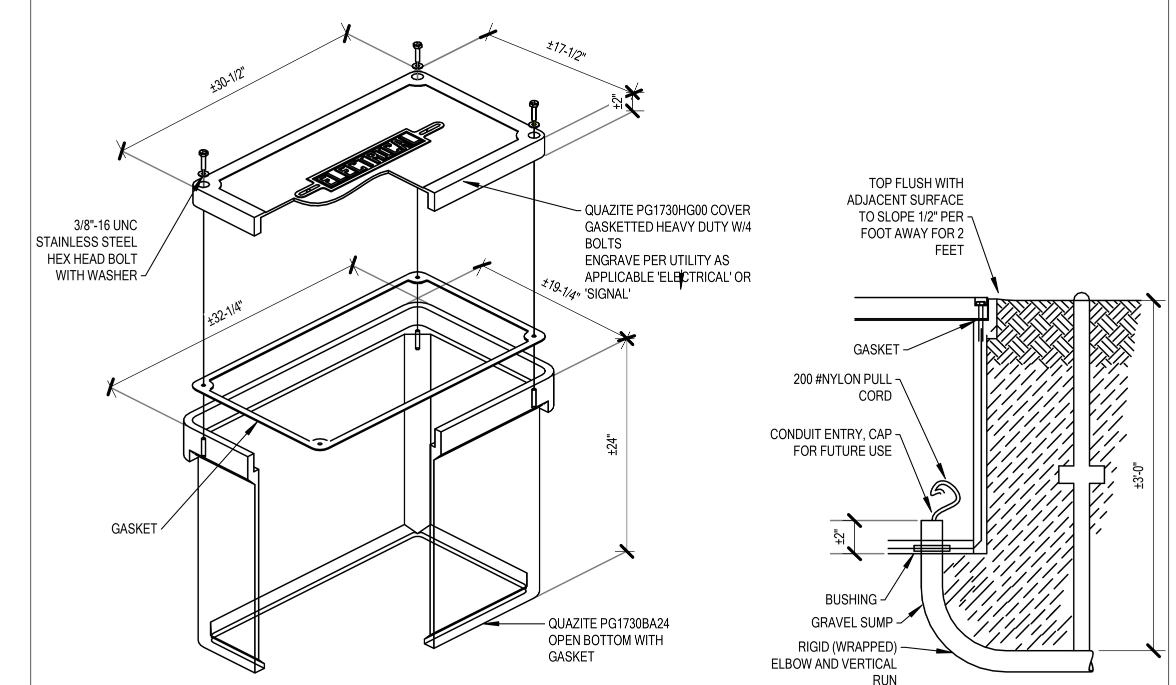


DIAGRAM (L011) UNDERGROUD HANDHOLE (17"X30")
NTS

NOTE:

1. PROVIDE ADDRESSABLE INITIATION LOOP(S) AND POWER CIRCUIT FOR THE CARBON MONOXIDE DETECTORS.
2. PROVIDE CARBON MONOXIDE DETECTOR WITH ASSOCIATED MONITOR MODULE. SEE PLANS FOR QUANTITY AND LOCATION.
3. PROVIDE CONTROL MODULE WITH FAN SHUTDOWN RELAY TO SHUTDOWN MECHANICAL UNIT ON LOCAL CARBON MONOXIDE DETECTOR ACTIVATION.
4. PROVIDE FIRE ALARM BLUE STROBE(S). SEE PLANS FOR QUANTITY AND LOCATIONS.
5. PROVIDE DUCT SMOKE DETECTORS AND FAN RELAYS AT ALL FAN UNITS 2000 CFM AND OVER. SHUT DOWN ALL SUPPLY AND RETURN FANS UPON A GENERAL ALARM SIGNAL.
6. PROVIDE KEY OVERRIDE SWITCH FOR EVERY PAIR OF ELECTROMAGNETIC DOOR HOLDERS/RELEASES.
7. PROVIDE KEY OVERRIDE SWITCH IN MAIN ADMINISTRATION OFFICE THAT WILL RELEASE ALL ELECTROMAGNETIC DOOR HOLDER/RELEASES THROUGHOUT THE BUILDING.
8. COORDINATE WITH THE ACCESS CONTROL PROVIDER TO PROVIDE INPUT POINT THAT WILL ALLOW THE ACCESS CONTROL SYSTEM TO RELEASE ALL ELECTROMAGNETIC DOOR HOLDER/RELEASES THROUGHOUT THE BUILDING DURING A LOCK DOWN EVENT OR PER THE OWNERS REQUIREMENTS.
9. COORDINATE WITH THE INTERCOME PROVIDER TO PROVIDE INPUT POINT THAT WILL ALLOW THE INTERCOM SYSTEM TO RELEASE ALL ELECTROMAGNETIC DOOR HOLDER/RELEASES THROUGHOUT THE BUILDING DURING A LOCK DOWN EVENT OR PER THE OWNERS REQUIREMENTS.

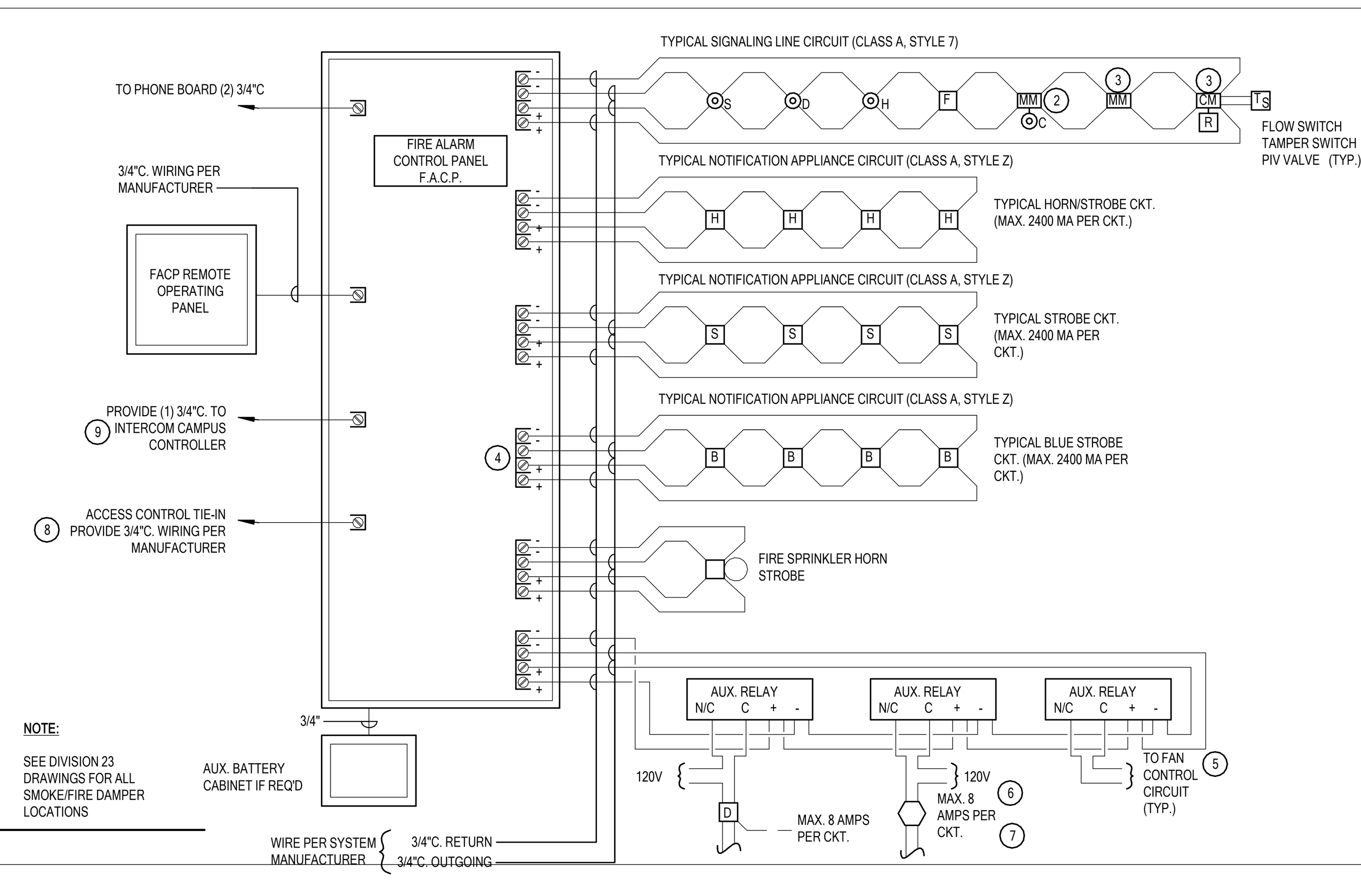


DIAGRAM (D016) TYPICAL FIRE ALARM RISER
NTS

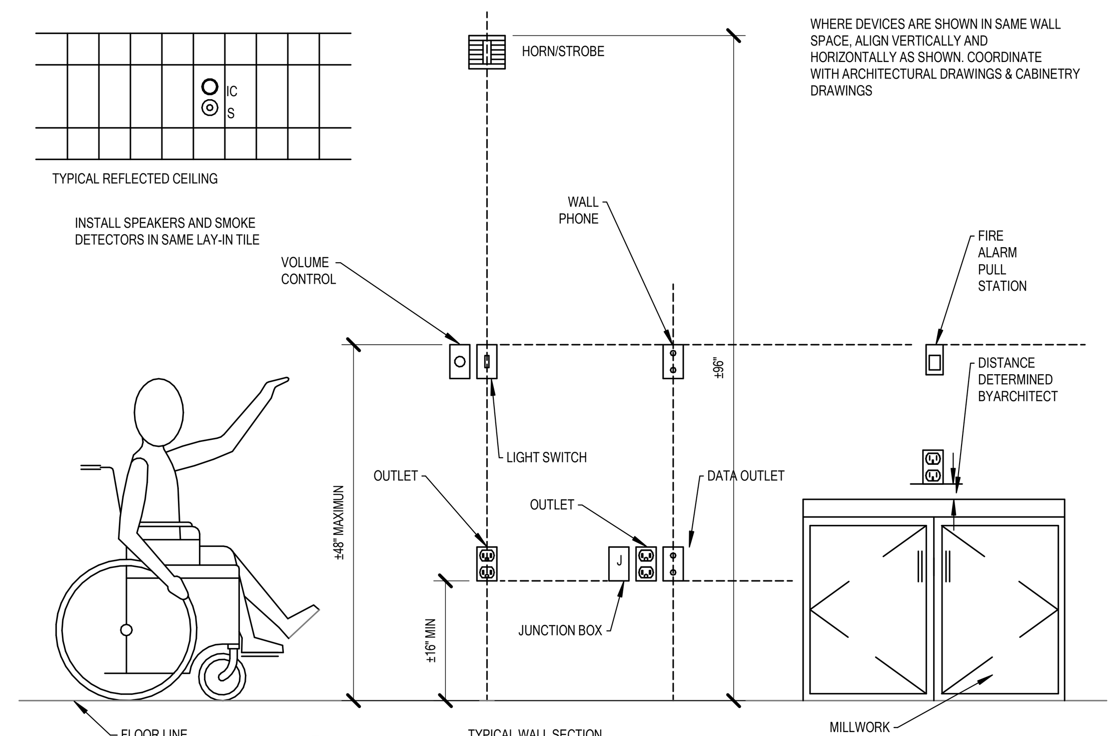
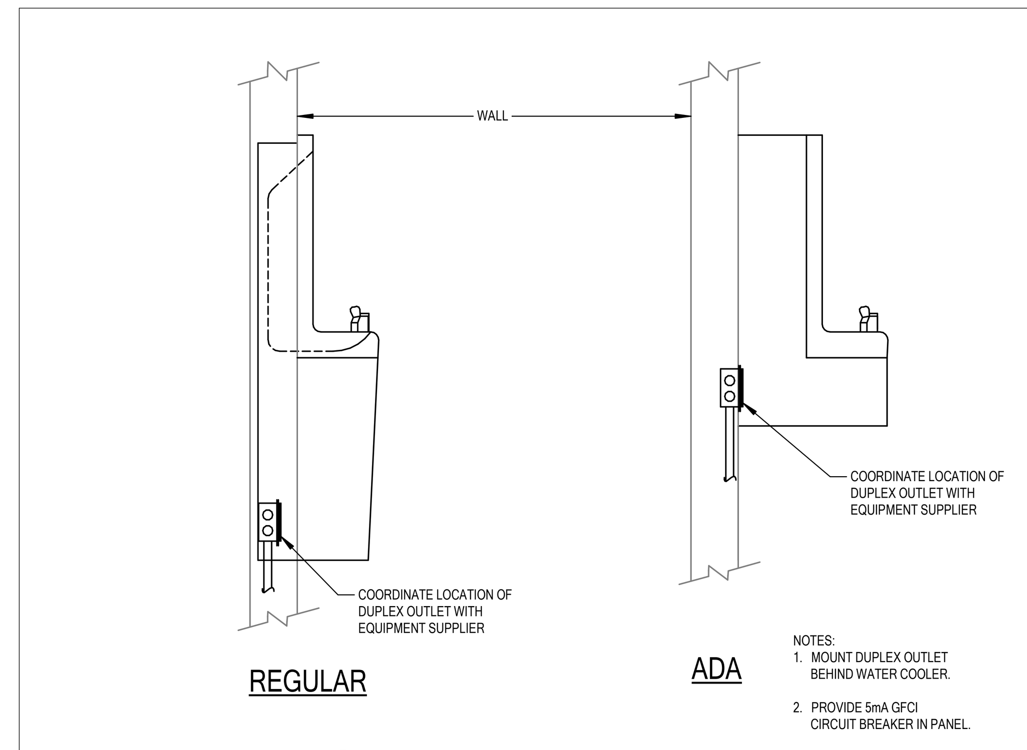


DIAGRAM (R001) DEVICE MOUNTING HEIGHTS
NTS



NOTES:

1. MOUNT DUPLEX OUTLET BEHIND WATER COOLER.
2. PROVIDE 5mA GFCI CIRCUIT BREAKER IN PANEL.

DIAGRAM (R002) ELECTRIC WATER COOLER (EWC)
NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ELECTRICAL DIAGRAMS

SHEET NUMBER

E703

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BPZ.rvt
9/11/2024 6:16:35 PM

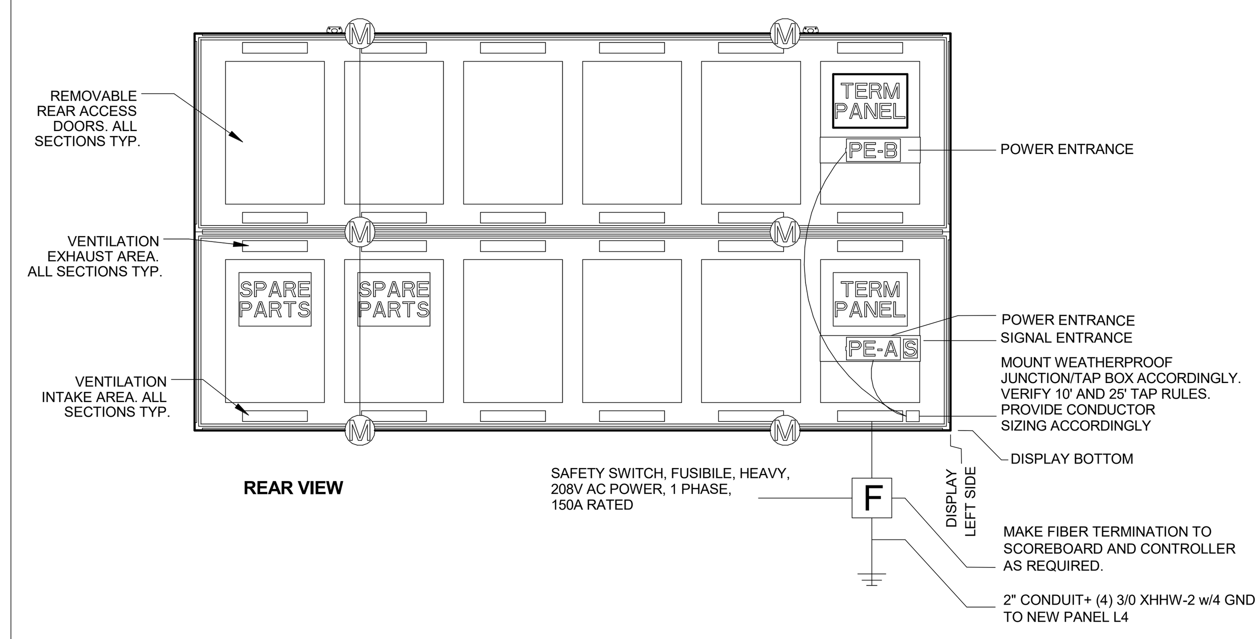
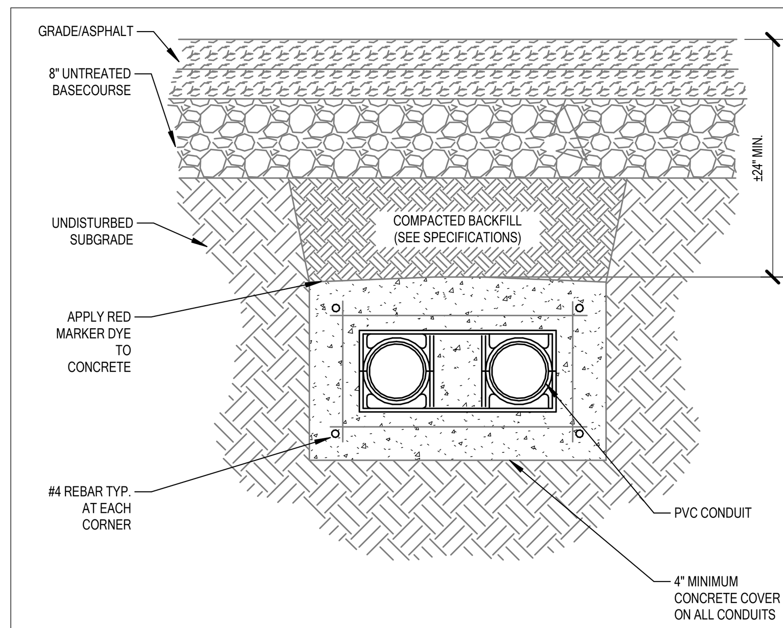


DIAGRAM F300 OUTDOOR SCOREBOARD MOUNTING AND CONNECTIONS

NTS

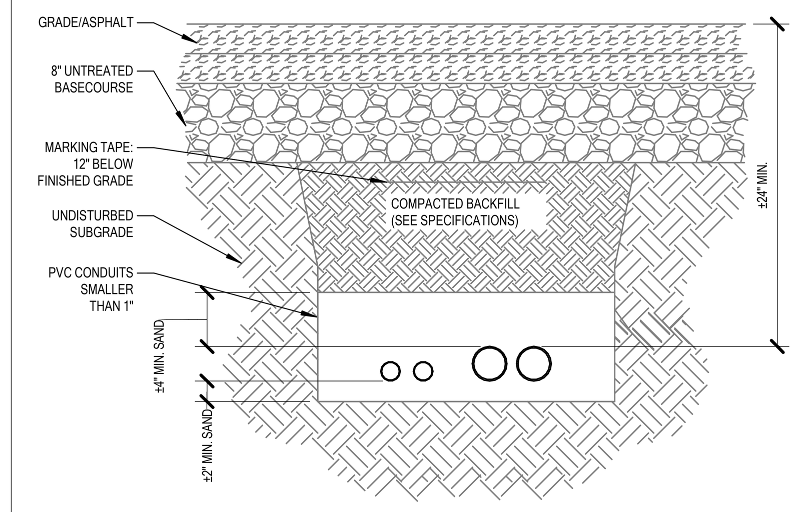


NOTES:

1. SEE SPECIFICATION FOR ALL INSTALLATION REQUIREMENTS.
2. FOR FEEDERS UNDER 600 VOLTS; ENCASE FEEDERS 1-1/4" AND LARGER, INDIVIDUALLY IN CONCRETE WHERE INSTALLED BELOW GRADE. SEE DUCT BANKS IN SPECIFICATION FOR MORE INFORMATION.
3. BRANCH CIRCUITS, SIGNAL AND CONTROL CIRCUITS, AND INDIVIDUAL EQUIPMENT CIRCUITS RATED LESS THAN 100 AMPS ENCASE NON-METALLIC CONDUIT 40-AMP CIRCUITS, 1-1/4" AND LARGER IN CONCRETE. SEE DUCT BANKS IN SPECIFICATION FOR MORE INFORMATION.
4. LOCATE AND PROTECT ALL CROSSINGS OF EXISTING UTILITIES AND OTHER UNDERGROUND WORK.
5. PROVIDE 6 INCHES TOP SOIL IN PLANTED AREAS INSTEAD OF BASECOARSE AND ASPHALT.
6. SEE SPECIFICATIONS FOR SUBSIDENCE WARRANTY.
7. SEE SPECIFICATIONS FOR STORAGE AND REMOVAL OF EXCAVATED MATERIAL.

DIAGRAM U010 1-1/4" CONDUIT AND LARGER ELECTRICAL DUCT BANK (SERVICE ENTRANCE & BELOW GRADE)

NTS



NOTES:

1. SEE SPECIFICATION FOR ALL INSTALLATION REQUIREMENTS.
2. INSTALL DETECTABLE MARKING TAPE FOR ALL UNDERGROUND WIRING. SEE SPECIFICATION FOR MORE INFORMATION.
3. APPLY PROTECTIVE COATING TO METALLIC RACEWAYS IN DIRECT CONTACT WITH EARTH OR FILL OF ANY TYPE; CONSISTING OF SPIRALLY WRAPPED PVC TAPE (1/2" MINIMUM OVERLAP OF SCOTCH WRAP TAPE OR EQUAL); OR FACTORY APPLIED VINYL CLADDING (MINIMUM THICKNESS .020 INCHES). COMPLETELY WRAP AND TAPE ALL FIELD JOINTS.
4. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 BUT IN NO CASE BE LESS THAN 24", UNLESS NOTED OTHERWISE ON DRAWINGS.
5. LOCATE AND PROTECT ALL CROSSINGS OF EXISTING UTILITIES AND OTHER UNDERGROUND WORK.
6. PROVIDE 6 INCHES TOP SOIL IN PLANTED AREAS INSTEAD OF BASECOARSE AND ASPHALT.
7. SEE SPECIFICATIONS FOR SUBSIDENCE WARRANTY.
8. SEE SPECIFICATIONS FOR STORAGE AND REMOVAL OF EXCAVATED MATERIAL.

DIAGRAM U009 CONDUIT BELOW GRADE

NTS

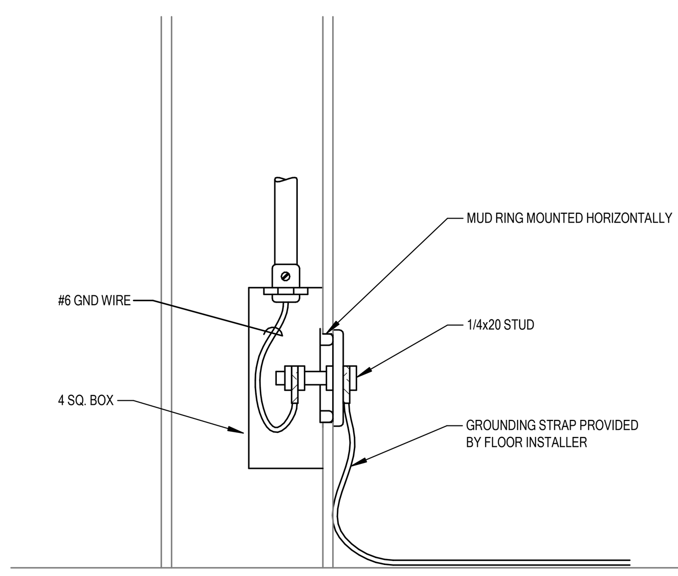


DIAGRAM F014 GROUNDING

NTS

1. BOXES RIGIDLY SUPPORTED.
2. ALL WIRING IS ENCLOSED IN RACEWAY SUPPORTED PER SPECIFICATIONS.
3. BOLT JUNCTION BOXES TOGETHER. PROVIDE EXTENSION BOX FOR VENTING SPACE AROUND POWER PACK.

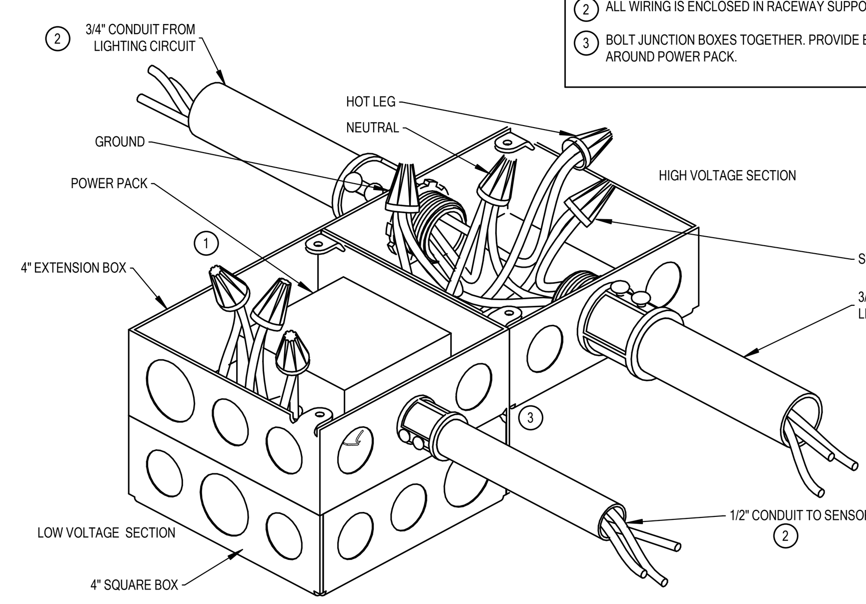


DIAGRAM S016 OCCUPANCY SENSOR POWER PACK

NTS

NOTES:

1. SEE SPECIFICATION 26 0532/26 2713 FOR INSTALLATION REQUIREMENTS.
2. INSTALL ALL FLOOR STANDING SERVICE EQUIPMENT ON 4" HIGH CONCRETE CURB AND BOLT EQUIPMENT TO CURB WITH 3/8" ANCHORS AT EACH CORNER AND AT INTERVALS NOT TO EXCEED 8' ALONG PERIMETER. INSTALL CONCRETE WIRING TRENCH UNDER FLOOR STANDING EQUIPMENT; 12" DEEP MIN., AND 4" SMALLER IN LENGTH AND WIDTH THAN EQUIPMENT BASE. INSTALL GROUNDING BUSHINGS ON CONDUITS PENETRATING TRENCH. INSTALL DIAMOND PLATED/GRATE COVERS IN ANY AREA WITH EXPOSED TRENCHES.

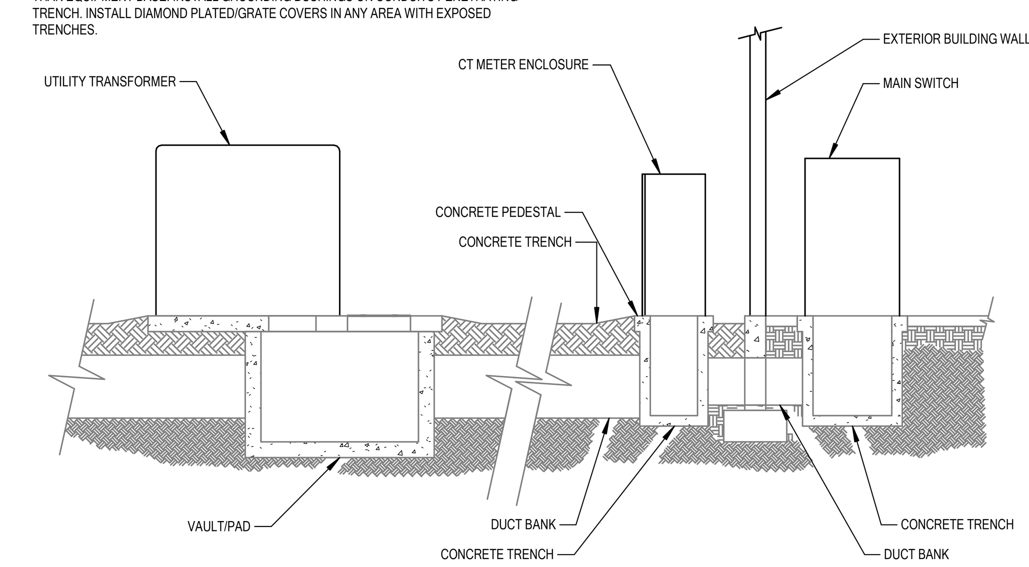


DIAGRAM U008 SERVICE ENTRANCE

NTS

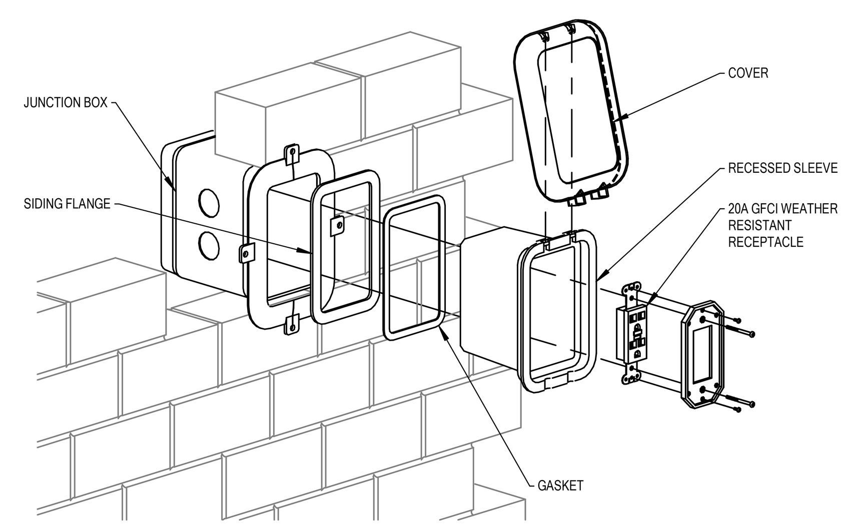
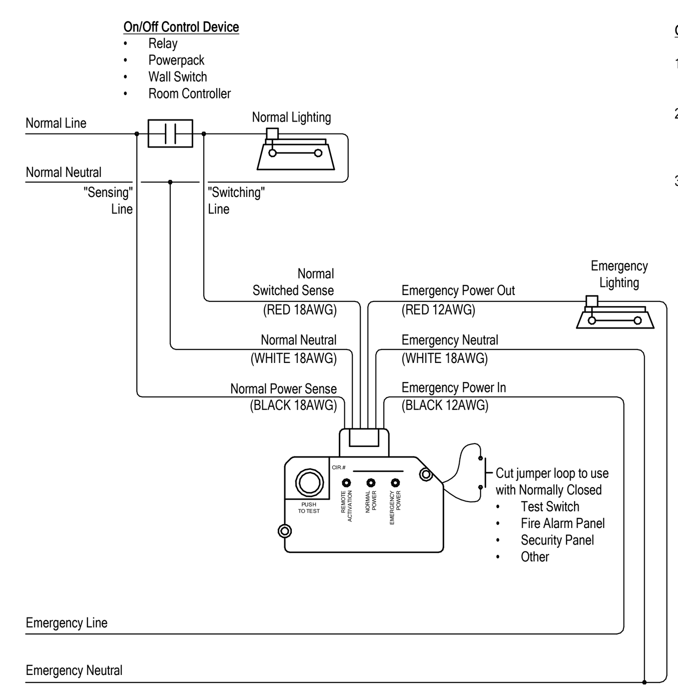


DIAGRAM L009 RECESSED IN-USE RECEPTACLE & COVER

NTS



GENERAL DIAGRAM NOTES:

1. EXACT SPACE LAYOUTS VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
2. PROVIDE EMERGENCY LIGHTING CONTROL UNIT IN ROOMS/AREAS THAT SHOW EMERGENCY LIGHTING BEING CONTROLLED IN CONJUNCTION WITH NORMAL LIGHTING.
3. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO EMERGENCY DEVICE AS REQUIRED.

DIAGRAM S040 EMERGENCY POWER CONTROL DEVICE

NTS

NOTES:

1. SEE SPECIFICATION FOR ALL INSTALLATION REQUIREMENTS.
2. INSTALL DETECTABLE MARKING TAPE FOR ALL UNDERGROUND WIRING. SEE SPECIFICATION FOR MORE INFORMATION.

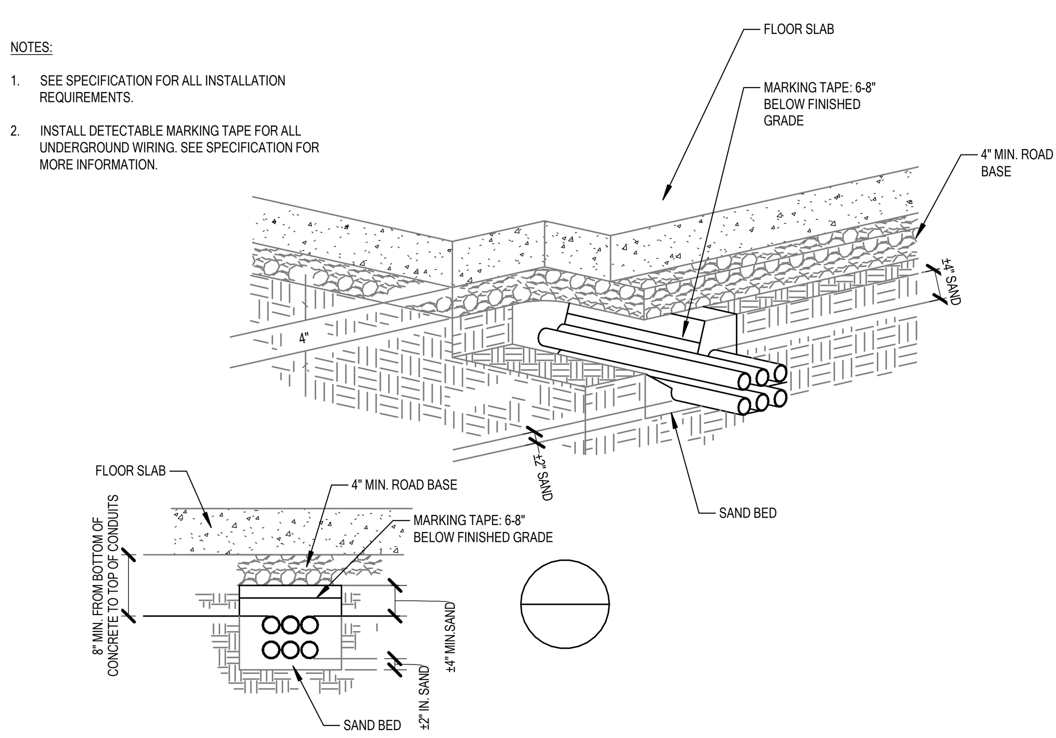


DIAGRAM U007 CONDUIT BELOW SLAB

NTS

GENERAL NOTES

1. COORDINATE WITH THE ROOFING CONTRACTOR TO PROVIDE APPROPRIATE ROOF JACK. THE JACK SHALL BE SIZED TO FIT TIGHTLY TO RACEWAY FOR WEATHER-TIGHT SEAL. COORDINATE WORK AND REQUIREMENTS UNDER ROOFING SECTION OF SPECIFICATIONS.
2. CONTRACTOR SHALL NOT INSTALL ELECTRICAL CONDUIT(S) THROUGH THE NEW MECHANICAL CURB AND/OR DUCTWORK. LOCATE ELECTRICAL CONDUITS A MINIMUM OF 12" AWAY FROM MECHANICAL CURB ALONG WITH MAINTAINING A MINIMUM OF 12" BETWEEN ANY OTHER CONDUIT AND ANY OTHER ROOF PENETRATION.
3. NO ELECTRICAL WIRES OF EITHER HIGH OR LOW VOLTAGE TO RUN INSIDE ANY CURBS.

NOTES:

1. PROVIDE SERVICE RECEPTACLE WITHIN 25' OF MECHANICAL UNIT. PROVIDE WEATHER RESISTANT GFCI DUPLEX AND INTERMATIC 1010MXD WEATHERPROOF COVER.
2. PROVIDE NEMA 3R DISCONNECT/STARTER AS REQUIRED. REFER TO SPECIFICATIONS FOR COORDINATION REQUIREMENTS WITH MECHANICAL SHOP DRAWINGS PRIOR TO RELEASING EQUIPMENT AND PERFORMING ROUGN-IN.

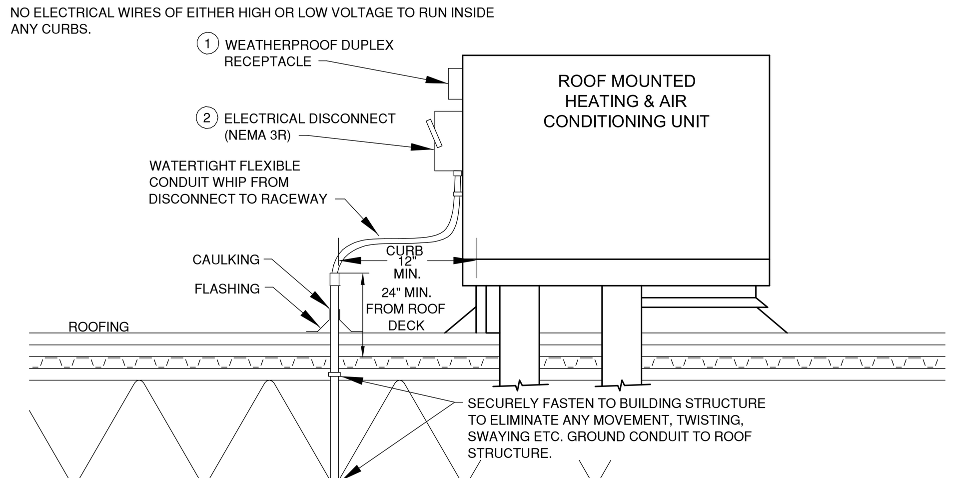
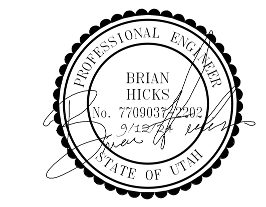


DIAGRAM G008 TYPICAL VIDEO SURVEILLANCE SYSTEM - ONE LINE DIAGRAM

NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP



BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE

BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ELECTRICAL DIAGRAMS

SHEET NUMBER

E704

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
AFF	ABOVE FINISH FLOOR	MFG	MANUFACTURER
ARCH	ARCHITECTURE	MAX	MAXIMUM
AUX	AUXILIARY	MIC	MICROPHONE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BC	BARE COPPER	MTG	MOUNTING
C	CONDUIT	N/A	NOT APPLICABLE
CATV	CABLE TELEVISION	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CNTR	CONTRACTOR	PLEN	PLENUM
CU	COPPER	(R)	RELOCATE
C/W	COMPLETE WITH	RECPT	RECEPTACLE
DWG	DRAWING	SPEC	SPECIFICATIONS
(E)	EXISTING	SPKR	SPEAKER
FT	FOOT	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
IG	ISOLATED GROUND	UG	UNDERGROUND
IN	INCH	UPS	UNINTERRUPTED POWER SUPPLY
J-BOX	JUNCTION BOX	W	WATTS
LTG	LIGHTING	W/O	WITHOUT

CABLING GROUPS AND CONDUIT SEPARATION SCHEDULE

AUDIO AND VIDEO WIRING TYPES:

AUDIO AND VIDEO SYSTEM WIRING IS DIVIDED INTO WIRING GROUPS ACCORDING TO THEIR NOMINAL LEVELS:

GROUP	WIRING TYPE
GROUP 1	FIBER OPTIC CABLE
GROUP 2	O mV TO 100 mV SIGNALS, EXAMPLE: MICROPHONE LEVEL SIGNAL
GROUP 3	100 mV TO 10 V SIGNALS, EXAMPLE: LINE-LEVEL SIGNAL
GROUP 4	10 V TO 70 V SIGNALS, EXAMPLE: SPEAKER LEVEL SIGNAL
GROUP 5	CONTROL, DIGITAL CIRCUITS, DATA AND VIDEO

NOTE: GROUPS LISTED ABOVE SHALL NEVER BE COMBINED WITHIN THE SAME CONDUIT

AUDIO AND VIDEO CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT AUDIO AND VIDEO GROUPS IS AS FOLLOWS:

GROUP	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
GROUP 1	ADJACENT	ADJACENT	ADJACENT	ADJACENT	ADJACENT
GROUP 2	ADJACENT	ADJACENT	6"	12"	12"
GROUP 3	ADJACENT	6"	ADJACENT	12"	6"
GROUP 4	ADJACENT	12"	12"	ADJACENT	6"
GROUP 5	ADJACENT	12"	6"	6"	ADJACENT

NOTE: NINETY DEGREE CROSSING IN CLOSE PROXIMITY IS PERMITTED.

ELECTRICAL CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING AUDIO AND VIDEO WIRING AND OTHER ELECTRICAL SERVICE CONDUIT IS AS FOLLOWS:

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
277/480V AC CIRCUIT	ADJACENT	24"	24"	24"	24"
120/208V AC CIRCUIT	ADJACENT	24"	12"	12"	24"

NOTE: CONDUITS SHALL NOT RUN MORE THAN 20 FEET IN PARALLEL WITHIN THE GIVEN DISTANCES ABOVE.

AUDIOVISUAL CABLE AND CONDUIT SCHEDULE

NOTES:

1. APPROVED EQUALS FROM OTHER MANUFACTURERS ARE BELDEN, GEPCO/GENERAL, ICE, KRAMER, EXTRON, CRESTRON, LIBERTY CABLE, AND WINDY CITY WIRE.
2. PROVIDE PLENUM RATED CABLES IN ANY "AIR HANDLING" SPACES E.G. ABOVE CEILINGS, RAISED FLOORS, CHASES, ETC.
3. CABLE QUANTITY INDICATED ON DRAWINGS SHOWS ON FINAL RUN. IF NOT NOTED PROVIDE CABLING FOR SINGLE DEVICE.
4. CONDUIT REQUIREMENTS SHOWN ARE MINIMUM CONDUIT SIZE REQUIRED FOR A SINGLE CABLE, UNLESS OTHERWISE NOTED ON DRAWINGS. NUMBER OF CABLES LISTED IS THE MAXIMUM AMOUNT ALLOWED FOR CONDUIT SIZE INDICATED.
5. WHEN COMBINING CABLE TYPES OF THE SAME GROUP, THE TYPE WITH THE LARGEST CONDUIT REQUIREMENT DICTATES CONDUIT SIZE.
6. PROVIDE ON ALL HDMI CABLES LONGER THAN 35' OR WITH MORE THAN (3) CONNECTION POINTS (1) ACTIVE HDMI EXTENSION DEVICE.
7. ALL CATEGORY CABLE SHALL BE TESTED AND CERTIFIED TO ANSI/TIA/EIA-568C AND IEEE 802.3an STANDARDS USING A LEVEL IIIe TESTER.
8. REFER TO SPECIFICATIONS FOR STP CABLE REQUIREMENTS. ALL UNSHIELDED (UTP) CATEGORY CABLES WITHIN THE PROJECT SHALL BE SUPPLIED FROM A SINGLE MANUFACTURER AND MATCH MAKE/MODEL.
9. HDMI CABLES ARE INTENDED TO PASS 4K 60 4:4:4 FROM SOURCE TO DESTINATION. CONTRACTOR TO VERIFY THE LENGTH OF ALL CABLES USED MEET THIS REQUIREMENT.

* INDICATES DEFAULT CABLE IF MANUFACTURER DOES NOT RECOMMEND A SPECIFIC CABLE.

** INDICATES DEFAULT CABLE IF HORIZONTAL CABLING IS EXCLUDED FROM THE PROJECT AND NOT OWNER PROVIDED.

CABLE TYPE	DESCRIPTION	CONDUIT REQUIREMENTS	MANUFACTURER	MODEL NUMBER	CABLE GROUP
(#)AT	ANTENNA, COAXIAL RG8X	1" CONDUIT = (7) CABLES 1 1/2" CONDUIT = (12) CABLES	WEST PENN	807 *	5
(#)CT	CONTROL, 2/22 SHIELDED, 2/18 UNSHIELDED	1" CONDUIT = (7) CABLES 1 1/4" CONDUIT = (12) CABLES	WEST PENN	77350 * D25350 (P) *	5
(#)HD	HDMI < 20', ULTRA FLEXIBLE	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON CRESTRON	HDMI ULTRA/## CBL-HD-##	5
(#)HD	HDMI > 20'	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON KRAMER	HDMI PRO P/XX CP-HM/HM/ETH (P)	5
(#)LA (#)MA	LINE LEVEL, 22 AWG MICROPHONE, 22 AWG	1" CONDUIT = (23) CABLES 1 1/2" CONDUIT = (77) CABLES	WEST PENN	291 D25454 (P)	3 2
(#)MFB	MULTIMODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)RG6	RG-6 COAXIAL CABLE	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)RG11	RG-11 COAXIAL CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (6) CABLES	WEST PENN	821 D25821 (P)	5
(#)S12	SPEAKER, 12 AWG	1" CONDUIT = (3) CABLES 1 1/2" CONDUIT = (7) CABLES 2" CONDUIT = (11) CABLES	WEST PENN	227 25227B (P)	4
(#)S16	SPEAKER, 16 AWG	1" CONDUIT = (10) CABLES 1 1/4" CONDUIT = (17) CABLES	WEST PENN	225 25225B (P)	4
(#)SFB	SINGLE MODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)STP	SHIELDED TWISTED PAIR, CAT 6A	1" CONDUIT = (4) CABLES 1 1/4" CONDUIT = (8) CABLES	PER MFG WEST PENN	4246AF * 254246AF (P) *	5
(#)UTP	UN-SHIELDED TWISTED PAIR CAT 6	1" CONDUIT = (9) CABLES 1 1/4" CONDUIT = (15) CABLES	PER SPEC WEST PENN	4246 ** 254246 (P) ** SPEC 27 1500	5
(#)VG	HIGH RESOLUTION VIDEO	1" CONDUIT = (1) CABLES 1 1/4" CONDUIT = (4) CABLES	WEST PENN	5CRGB 255CRGB (P)	5
(#)SDI	SERIAL DIGITAL INTERFACE (RG-6 COAX)	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)USB	USB EXTENSION CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (10) CABLES	CABLES TO GO	52108	5
(#)X#	MANUFACTURER PROPRIETARY CABLE	AS NOTED	SPEC. 27 4100	SPEC. 27 4100	NA

AUDIOVISUAL SYMBOL SCHEDULE

NOTES:

1. HEIGHT MEASURED TO BOTTOM OF THE DEVICE FROM FINISHED FLOOR.
2. HEIGHT MEASURED TO CENTER LINE OF THE DEVICE FROM THE FINISHED FLOOR.
3. REFER TO DIAGRAMS AND ELEVATIONS FOR CUSTOM ROUGH-IN REQUIREMENTS.
4. STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS.
5. ROUGH-IN TO BE HORIZONTAL.
6. ROUGH-IN TO BE INSTALLED ABOVE ACCESSIBLE CEILING.
7. ROUGH-IN TO BE INSTALLED ABOVE CEILING.
8. DEVICE IS TYPICALLY LOCATED IN MILLWORK, FURNITURE, BEHIND A MONITOR OR ABOVE A PROJECTOR.
9. ABOVE TABLE/COUNTER MOUNTED DEVICE.
10. REFER TO MANUFACTURER'S RECOMMENDED CABLE REQUIREMENTS FOR EXACT CABLE REQUIRED.
11. FOLLOW BICSI STANDARDS FOR CABLE ROUTING AND DISTANCES.
12. JUNCTION BOX INDICATED IS FOR MOST INSTALLATIONS. DEVICE WILL BE NOTED WHEN JUNCTION BOX SIZE REQUIREMENTS ARE DIFFERENT FROM INDICATED.
13. MOUNTING HEIGHT SHOWN IS FROM THE BOTTOM OF THE MONITOR TO THE FINISHED FLOOR.

GENERAL SCHEDULE NOTES:

A. TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET OF DRAWINGS.
B. DEVICES WITH "A" ADJACENT TO IT INDICATE DEVICE TO BE COORDINATED WITH MILLWORK PRIOR TO ROUGH-IN.
C. ROUGH-IN JUNCTION BOX, CONDUIT, AND MOUNTING HEIGHT ARE DEFAULT REQUIREMENTS. REFER TO PLANS FOR SPECIFIC NOTES AND REQUIREMENTS FOR A SPECIFIC INSTANCE.
D. CONDUIT STUBBED INTO ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
E. CABLE FROM DEVICE TO BE HOMERUN TO DESTINATION WITHOUT SPLICES.

SYMBOL	DESCRIPTION	J-BOX	CONDUIT	MOUNTING HEIGHT	CABLE TYPE	NOTES
M#	MICROPHONE INPUT, WALL PLATE (M1/M2 = D1, M3/M4 = D2)	D1,D2	(1) 3/4"	RECEPTACLE HEIGHT	(#) MA	2,4.
AX	AUXILIARY INPUT, 3.5MM/RCA CONNECTION, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) LA	2,4.
T / TS	AUDIO OUTPUT, WALL PLATE, T = XLR MALE CONNECTION, TS = 1/4 TS CONNECTION	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) LA	2,4.
MA	MICROPHONE INPUT WITH AUXILIARY INPUT, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) MA (1) LA	2,4.
MC	MICROPHONE INPUT, CEILING	D1	(1) 3/4"	CEILING	(1) MA	2,4.
MB	TABLE TOP BOUNDARY MICROPHONE		(1) 1/2"	ON TABLE/ MILLWORK	(1) MA	2,3,9.
MW	WALL MOUNTED, PUSH TO TALK MICROPHONE	D1	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
MDT	DUAL MICROPHONE INPUT, WALL PLATE, UTP TRANSMITTER EXTENDER	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) UTP	2,4.
MAT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER EXTENDER	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MXT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MT	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D1	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
M2D	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
M4D	FOUR MICROPHONE INPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
BXT	BLUETOOTH AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,11.
CI	CREWCOM HEADSET INPUT, WALL PLATE	D1	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
CIS	CREWCOM WALL STATION, WALL PLATE	D3	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
BT	BLUETOOTH, WALL PLATE, AUDIO EXTENDER	D1	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,11.
VG	VGA INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) VG	2,4.
HD	HDMI INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) HD (1) LA	2,4.
HV	HDMI AND VGA INPUT, WALL PLATE	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) HD (1) VG	2,4.
EN#	AVoIP ENCODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"		(1) UTP	2,4,11.
DC#	AVoIP DECODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"		(1) UTP	2,4,11.
TxH	HDBaseT, HDMI INPUT TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
TxD	HDBaseT, HDMI AND VGA TRANSMITTER, WALL PLATE	D2	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
TxM	HDBaseT, HDMI, DISPLAY PORT AND/OR VGA TRANSMITTER BOX, SURFACE MOUNTED			IN MILLWORK/ UNDER TABLE	(1) STP	2,4,11.
TxT	HDBaseT CATEGORY INPUT, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
RxH	HDBaseT, HDMI RECEIVER, WALL PLATE	D1	(1) 1"	AS NOTED	(1) STP	2,4,11.
US	USB INPUT, WALL PLATE, UTP EXTENSION	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
Rx	HDBaseT RECEIVER DEVICE, SURFACE MOUNTED		(1) 1"	IN MILLWORK/ UNDER TABLE	(1) STP	2,4,8,11.
CHV	HDMI AND VGA TRANSMITTER, WALL PLATE (CLASSROOM SYSTEM)	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
CHD	DUAL HDMI TRANSMITTER, WALL PLATE (CLASSROOM SYSTEM)	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
HDU	HDMI AND USB TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(2) STP	2,4,11.
CAL	2-WAY INTERCOMMUNICATION PUSHBUTTON STATION	D1	(1) 3/4"	SWITCH HEIGHT	AS NOTED	2,7,10.
CSA	CLASSROOM SOUND AMPLIFICATION SYSTEM		(1) 1 1/4" (1) 1"	IN MILLWORK/ AS NOTED		2,3.
IR	INFRARED SENSOR, WALL/CEILING	D1	(1) 3/4"	CEILING	(1) UTP OR (1) CT	2,6,11.
ALS	ASSISTIVE LISTENING SYSTEM ANTENNA/EMITTER, WALL/CEILING	A1	(1) 1"	AS NOTED	AS NOTED	2,6.
AT	AV ANTENNA, WALL/CEILING	D1	(1) 1"	AS NOTED	(1) AT	2,6.
V	VOLUME CONTROL	D1	(1) 1"	SWITCH HEIGHT	(1) S16	2,4.
SV	VOLUME CONTROL WITH SOURCE SELECTOR	D2	(1) 1"	SWITCH HEIGHT	(1) S16 (1) UTP	2,4,9,11.
TPT	TOUCH PANEL, TABLE TOP		(1) 1"	AS NOTED	(1) UTP	
TP#	TOUCH PANEL, WALL MOUNTED, REFER TO SPECIFICATIONS FOR TOUCH PANEL TYPE AND ORIENTATION	SCH	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,5,11.
KP#	KEYPAD, WALL MOUNTED, REFER TO SPECIFICATIONS FOR KEYPAD TYPE	SCH	(1) 1"	SWITCH HEIGHT	(1) CT or (1) UTP	2,4,10.
RS#	ROOM SCHEDULING TOUCHPANEL	SCH	(1) 1"	SWITCH HEIGHT	(1) STP	
TB#	TABLE/FURNITURE BOX, NUMBER REFERS TO TYPE REFER TO SPECIFICATIONS/DIAGRAMS FOR REQUIREMENTS			IN MILLWORK	SEE DIAGRAMS.	
	LOUDSPEAKER, WALL MOUNTED	C#	(1) 3/4"	AS NOTED	(1) S16	2,4.
	LOUDSPEAKER, ARRAY, CABINET, CLUSTER	A0	(1) 3/4"	AS NOTED	(1) S12	2,4.
	LOUDSPEAKER, CEILING RECESSED OR PENDANT	C#	(1) 3/4"	CEILING	(1) S16	2,7.
SB#	SOUND BAR, REFER TO SPECIFICATIONS FOR TYPE	D1	(1) 1"	UNDER DISPLAY OR AS NOTED		1,5.
X##	DISPLAY, REFER TO SPECIFICATIONS FOR DISPLAY TYPE AND SIZE	PER SCH	(1) 1 1/4" (1) 1"	AS NOTED	AS NOTED	4,13.
SC#	PROJECTION SCREEN REFER TO SPECIFICATIONS FOR SCREEN TYPE AND SIZE	(2) A0	(1) 3/4"	CEILING OR WALL	(1) UTP	2,7.
P#	PROJECTOR	D2	(1) 1 1/4"	CEILING OR AS NOTED	AS NOTED	2,6.
	AV CAMERA	C#	(1) 1"	AS NOTED	AS NOTED	1.
	EQUIPMENT CABINET/RACK	C#	SCH	AS NOTED		
CLG	EQUIPMENT CEILING RACK	C#	SCH	AS NOTED		
	EQUIPMENT 2-POST CABINET/RACK	C#	SCH	AS NOTED		
GP#	PASS THROUGH PLATE, # = NUMBER OF GANGS	D#	(1) 1-1/2"	AS NOTED		2.
J	JUNCTION BOX, ABOVE ACCESSIBLE CEILING	A0	AS NOTED	AS NOTED		
C##	CUSTOM JUNCTION BOX, REFER TO SCHEDULE AND DIAGRAM FOR EQUIPMENT, JUNCTION BOX AND CONDUIT	SCH	SCH	AS NOTED	AS NOTED	
FB	FLOOR BOX - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		AS NOTED		AS NOTED	
PT	POKE THRU - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		(1) 1 1/2"		AS NOTED	
	CONDUIT RUN CONCEALED IN WALL OR CEILING		AS NOTED			
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		AS NOTED			
	CONDUIT UP		AS NOTED			
	CONDUIT DOWN		AS NOTED			
	CONDUIT STUB LOCATION		AS NOTED			
	CONDUIT/CIRCUIT CONTINUATION		AS NOTED			
####	DEVICE/EQUIPMENT TYPE CALLOUT					
## #	ELEVATION VIEW TAG (# = VIEW NUMBER, ## = SHEET NUMBER)					
# ##	DIAGRAM CALLOUT TAG					

AUDIOVISUAL GENERAL NOTES

1. THIS SHEET SET SHOWS WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED PROVISIONS WITH THE PROJECT AV SYSTEMS INTEGRATOR PRIOR TO INSTALLATION OF AV SYSTEM ROUGH-IN. WHERE CONDUIT AND JUNCTION BOX PROVISIONS ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS, NOTIFY THE AV CONSULTANT IN WRITING OF THE REQUIREMENTS. WHERE MINOR MODIFICATIONS TO PROVISIONS ARE REQUIRED, THEY SHALL BE MADE AT NO ADDITIONAL COST AS A MATTER OF JOB COORDINATION.
3. BIDDERS SHALL THOROUGHLY ACQUAINT AND EXAMINE THE EXISTING PROJECT CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. INCLUDING THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. BIDDERS SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM AND BRING ANY DISCREPANCIES OR OMISSIONS FOUND IN THE DRAWINGS TO THE AV CONSULTANT'S ATTENTION BEFORE SUBMITTING BID.
4. AV SYSTEMS INTEGRATOR SHALL PROVIDE A FULLY FUNCTIONING SYSTEM IN EVERY RESPECT. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT AV CONSULTANT PRIOR TO BIDDING.
5. THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT, AND ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS. BUT NECESSARY TO FULLY COMPLETE THE WORK, SHALL BE FURNISHED BY THE PROJECT AV SYSTEMS INTEGRATOR.
6. NO CHANGES TO THE DESIGN SHALL BE MADE WITHOUT THE PROJECT AV CONSULTANT'S WRITTEN CONSENT.
7. WHERE APPLICABLE, AV SYSTEMS INTEGRATOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES.
8. REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
9. COORDINATE EXACT SPEAKER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT AV CONSULTANT PRIOR TO BIDDING.
10. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL SPEAKERS AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND AV CONSULTANT PRIOR TO RELEASE.
11. INSTALL/SUSPEND ALL AUDIOVISUAL SYSTEMS EQUIPMENT IN COMPLIANCE WITH SEISMIC CODES, MANUFACTURER'S WRITTEN INSTRUCTIONS, AND INDUSTRY BEST PRACTICES. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
12. ALL TWISTED-PAIR (U/UTP, F/UTP, U/FTP, S/FTP) CATEGORY TYPE CABLING SHALL BE TERMINATED BY CERTIFIED DATA TECHNICIANS. TEST PER SPECIFICATIONS REQUIREMENTS AND PROVIDE DATA TO AV CONSULTANT.
13. ALL HDBaseT SIGNAL CABLING, TERMINATIONS, AND TERMINATION HARDWARE SHALL COMPLY WITH TIA/EIA WIRING CONFIGURATION T568 B. ALL HDBaseT SIGNAL CABLING SHALL BE SHIELDED/FOIL (SF/UTP) CATEGORY TYPE CABLE.
14. CONDUCT A RADIO FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTING RF OPERATIONAL FREQUENCIES. AV SYSTEMS INTEGRATOR TO ENSURE INTERFERENCE FREE OPERATION OF ALL RF DEVICES. AV SYSTEMS INTEGRATOR SHALL COORDINATE AUDIT RESULTS WITH MANUFACTURER PRIOR TO PURCHASING RF EQUIPMENT.
15. PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. PROVIDE CUSTOM RACK MOUNT KITS WHEN NOT AVAILABLE FROM THE EQUIPMENT MANUFACTURER.
16. PROVIDE SURGE PROTECTION DEVICE (SPD) IN ALL AV EQUIPMENT RACKS.
17. ALL AV EQUIPMENT RACKS SHALL BE GROUNDED AND BONDED TO MEET OR EXCEED THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NED), IEC 1000-5-2 ANSI/J-STD-607-A.
18. ALL AV EQUIPMENT SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
19. PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
20. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR LACK OF COORDINATION WITH AV CONSULTANT AS ADDRESSED IN THE DOCUMENTS
21. UNLESS SPECIFICALLY SPECIFIED OR NOTED PROVIDE COMMERCIAL QUALITY EQUIPMENT, MATERIALS AND COMPONENTS DESIGNED FOR CONTINUOUS USE. CONSUMER QUALITY COMPONENTS ARE NOT ACCEPTABLE.

AUDIOVISUAL SHEET INDEX

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

AUDIOVISUAL SYMBOLS, SCHEDULES, AND NOTES

SHEET NUMBER

T200

PROJECTOR SCREEN SCHEDULE

TYPE	IMAGE SIZE (Ix) IN INCHES						CASE DIMENSIONS (Cx) IN INCHES								
	DIAGONAL	HEIGHT	WIDTH	ASPECT RATIO	BLACK DROP LENGTH	BOTTOM OF IMAGE AFF	LENGTH	WIDTH	DEPTH	WEIGHT	OPERATION	PROJECTION ORIENTATION	CONTROL TYPE	MOUNTING TYPE	NOTES
SC1	164	87"	139"	16:10	18"	48"	160 3/4"	6"	6"	126 LBS	MOTORIZED, 120V	FRONT	AV SYSTEM, RELAY, RS-232	CEILING, RECESSED	

AV FLAT PANEL MONITOR SCHEDULE

TYPE	IMAGE SIZE (Ix) IN INCHES			MONITOR DIMENSIONS (Cx) IN INCHES			WEIGHT	CONTROL TYPE	NOTES
	DIAGONAL	HEIGHT	WIDTH	HEIGHT	WIDTH	DEPTH			
D65	65	32"	56 5/8"	32 7/8"	57 5/16"	2 1/2"	60 LBS	RS-232, IP	THIS IS A DISPLAY
D75	75	36 15/16"	65 5/16"	37 7/8"	66 1/4"	2 1/2"	85 LBS	RS-232, IP	TV'S WILL BE CONTROLLED BY LOCAL REMOTE UNLESS OTHERWISE NOTED.
D85	60	29 9/16"	52 1/4"	30 7/16"	53"	2 1/2"	60 LBS	RS-232, IP	THIS IS A DISPLAY

AV CUSTOM BACK BOX SCHEDULE

TYPE	MANUFACTURER	MODEL	BOX DIMENSIONS (Cx) IN INCHES			CONDUIT'S	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
			HEIGHT	WIDTH	DEPTH				
KP1		HBL263	4 3/16"	2 1/8"	3 1/4"	(1) 4", (3) 2", (5) 1"	RECESSED	HORIZONTAL	3-GANG
TP7	HUBBELL	HBL260	4 3/16"	4 3/16"	4"	(1) 4", (3) 2", (5) 1"	WALL MOUNTED	HORIZONTAL	

AV EQUIPMENT RACK SCHEDULE

TYPE	DIMENSIONS				JUNCTION BOX	MOUNTING TYPE	NOTES
	HEIGHT	WIDTH	DEPTH	RU's			
R1	32 1/8"	23 1/2"	22"	16	C2	WALL	WALL MOUNTED EQUIPMENT RACK, HEIGHT INDICATED IS FROM BOTTOM OF RACK.
R2	32 1/8"	23 1/2"	22"	16	C2	WALL	WALL MOUNTED EQUIPMENT RACK, HEIGHT INDICATED IS FROM BOTTOM OF RACK.
R3	19 1/8"	23 1/2"	22"	12	C2	WALL	

AV LOUDSPEAKER SCHEDULE

TYPE	DIMENSIONS				SHAPE	WEIGHT	INSTALLATION	NOTES
	WIDTH (H)	WIDTH (V)	DIAMETER	DEPTH				
A1	12"	14 1/4"	0"	12"	TRAPEZOID	17 LBS	SURFACE	THIS IS A CAB LOUDSPEAKER
A2	16 1/2"	9 1/16"		7 7/16"	TRAPEZOID	15 LBS	SURFACE	THIS IS A CAB LOUDSPEAKER
C4	12"	24"	12"	3"	SQUARE	4.7 LBS	RECESSED	POLEVAULT CLASSROOM LOUDSPEAKER
P6	0"	0"	12 5/16"	13"	ROUND	11.5 LBS	PENDENT	MOUNT PENDANT SO THAT IS LEVEL WITH LIGHT FIXTURE
S1	8 11/16"	12 1/8"		1/4"	SQUARE	10 LBS	RECESSED	THIS IS A RECESSED WALL LOUDSPEAKER

FLAT PANEL WALL BOX SCHEDULE

TYPE	DESCRIPTION	DATA	COAX	DUPLEX	AV	MFR.	MODEL
DP01	WALL MOUNTED FLAT PANEL WITH (2) DATA DROPS, (1) COAX, (1) SURGE PROTECTED DUPLEX, (1) AV PASS THROUGH	(2) DATA DROPS	(1) COAX	(1) SURGE PROTECTED DUPLEX	(1) AV PASS THROUGH	CHIEF, LEGRAND, FSR	PAC 525, EFB4, PWB4

LOW VOLTAGE SCOPE OF WORK

NOTES:...

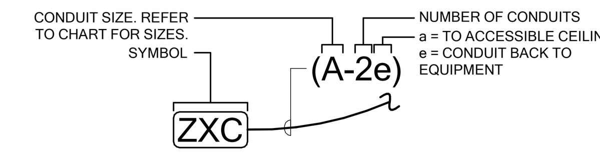
1. RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK THEY ARE RESPONSIBLE FOR.
2. ADDITIONAL NOTES MAY BE PRESENT WITHIN THE CONTRACT DOCUMENTS INDICATING SPECIFIC EQUIPMENT PROVIDED BY OTHERS OR REQUIRE INSTALLATION BY SPECIFIC DIVISIONS.
3. INSTALLER PROVIDING THE SYSTEM CABLING SHALL PROVIDE THE CABLING, TERMINATION AND CERTIFICATION FOR A COMPLETE SYSTEM INSTALLATION, UNLESS OTHERWISE SPECIFICALLY NOTED WITHIN THE CONTRACT DOCUMENTS.
4. INSTALLER TO VERIFY WITH CONTRACT DOCUMENTS FOR THE CONNECTION TYPE (MALE OR FEMALE) REQUIRED FOR EACH SYSTEM.
5. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LEGEND

AC ACCESS CONTROL CONTRACTOR
AV AUDIOVISUAL CONTRACTOR
DC DOOR HARDWARE CONTRACTOR
EC ELECTRICAL CONTRACTOR
FR FURNITURE CONTRACTOR
GC GENERAL CONTRACTOR
IC INTRUSTION DETECTION
LVC CONTRACTOR
TELEPHONE/DATA CABLING
NIC CONTRACTOR
OWNER NOT IN CONTRACT
SC OWNER
SPEC VIDEO SURVEILLANCE CONTRACTOR
SEE SPECIFICATIONS

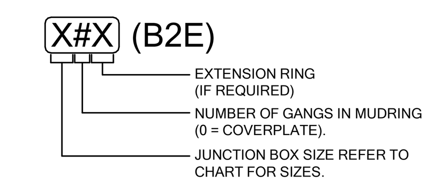
DESCRIPTION	FURNISHED BY	INSTALLED BY
_GENERAL		
EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V)	EC	EC
ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION	GC	GC
STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT	GC	GC
SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES.	EC	EC
ACCESS CONTROL SYSTEM		
ACCESS CONTROL OPERATING SOFTWARE	AC	AC
ACCESS CONTROL SERVER	OWN	OWN
ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL(S), AND POWER SUPPLY(S)	AC	AC
CREDENTIALS (E.G. CARDS, FOBS, TAGS, MOBILE CREDENTIALS)	AC	AC
INSTALLATION OF ACCESS CONTROL CABLING	AC	AC
TERMINATING AND TESTING THE ACCESS CONTROL CABLES	AC	AC
INDIVIDUAL ACCESS CONTROL DOOR CONTROLLERS (IF APPLICABLE)	AC	AC
END DEVICES (E.G., CREDENTAIL CARD READERS, DOOR POSITION CONTACTS, REQUEST TO EXIT MOTIONS, PUSH TO EXIT BUTTONS, DESK DOOR RELEASE BUTTONS, DESK PANIC / DURESS/LOCKDOWN BUTTONS, ETC.)	AC	AC
RECHARGABLE SEALED LEAD ACID BACK-UP BATTERIES	AC	AC
CREDENTIAL CARD/BADGE PRINTER	AC	AC
ELECTRIFIED LOCKING DOOR HARDWARE	DC	DC
EXTERIOR EQUIPMENT PEDESTALS AND ENCLOSURES	EC	EC
IP TWO-WAY AUDIO VIDEO INTERCOM SYSTEM (EXTERIOR STATIONS, ANSWERING BASE STATIONS, IP LICENSES)	AC	AC
NETWORK EQUIPMENT SPECIFICALLY FOR THE ACCESS CONTROL SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	AC	AC
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVER, MONITOR, KEYBOARD, MOUSE)	OWN	OWN
POWER SUPPLIES FOR ELECTRIFIED LOCKING DOOR HARDWARE	AC	AC
AUDIOVISUAL		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.)	AV	AV
CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF) TERMINATED IN PATCH PANEL	LVC	LVC
CATEGORY CABLING FROM DEVICE TO DEVICE, NOT TERMINTATED IN PATCH PANELS WITHIN THE ER(MDF/TR(IDF)	AV	AV
COAXIAL CABLE	LVC	LVC
LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER	EC	EC
MOTORIZED SHADE CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM	AV	AV
CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	AV	AV
EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	AV	AV
FURNITURE BOX TABLE CUTTING	GC	GC
FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER	AV	AV
PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD)	GC	GC
FLAT PANEL MONITOR MOUNTS	AV	AV
FLAT PANEL MONITORS	AV	AV
INSTRUCTOR'S LECTERNS/CONSOLES WITH INTEGRATED AUDIOVISUAL SYSTEMS COMPONENTS	AV	AV
INTERACTIVE FLAT PANEL MONITORS AND MOUNTS	AV	AV
NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO	OWNER	OWNER
VIDEO PROJECTOR	AV	AV
VIDEO PROJECTOR MOUNTS	AV	AV
INTRUSION DETECTION SYSTEM (BURGLAR ALARM)		
ANY INTRUSION DETECTION WIRELESS EQUIPMENT (RECEIVERS, REPEATERS, TRANSMITTERS, ETC.)	IC	IC
CELLULAR BACKUP COMMUNICATOR	IC	IC
END DEVICES (E.G; DOOR, WINDOW, GARAGE CONTACTS. MOTION, GLASS BREAK DETECTORS. SMOKE, HEAT DETECTORS. TEMPERATURE, MOISTURE, LEAK SENSORS, ETC.)	IC	IC
INTERIOR/EXTERIOR SIRENS AND/OR STROBES	IC	IC
INTRUSION DETECTION (ARM/DISARM) ALPHA KEYPAD(S)	IC	IC
INTRUSION DETECTION HEAD-END CONTROL PANEL & SLAVE PANELS	IC	IC
INTRUSION DETECTION LOW VOLTAGE CABLING	IC	IC
RECHARGABLE BACK UP BATTERY(S)	IC	IC
TERMINATING AND TESTING LOW VOLTAGE CABLES	IC	IC
IP CAMERAS AND VIDEO SURVEILLANCE SYSTEM		
NETWORK VIDEO RECORDER (NVR)	SC	SC
VIDEO MANAGEMENT SYSTEM (VMS) OPERATING SOFTWARE	SC	SC
VIDEO ANALYTIC SOFTWARE AND LICENSING	SC	SC
IP SURVEILLANCE CAMERA MOUNTS, MOUNTING HARDWARE AND EQUIPMENT	SC	SC
IP SURVEILLANCE CAMERA SOFTWARE LICENSES	SC	SC
IP SURVEILLANCE CAMERAS	SC	SC
MICRO SDXC MEMORY CARD(S) FOR IP SURVEILLANCE CAMERAS	SC	SC
IN-LINE CAT6 CATEGORY CABLE SURGE PROTECTORS, POWER SURGE & SUPRPESSION EQUIPMENT, AND UNINTERRUPTIBLE POWER SUPPLY (UPS)	SC	SC
IP SURVEILLANCE CAMERA ETHERNET EXTENDERS, POE INJECTORS, AND POWER SUPPLIES	SC	SC
NETWORK EQUIPMENT SPECIFICALLY FOR THE IP VIDEO SURVEILLANCE SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	OWNER	OWNER
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVERS, MONITORS, KEYBOARDS, MOUSES)	OWNER	OWNER
SPECIFIED CATEGORY CABLE AND FIBER OPTIC CABLE	LVC	LVC
TERMINATING AND TESTING THE SPECIFIED CATEGORY CABLING AND FIBER OPTIC CABLING	LVC	LVC
TELEPHONE / DATA		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE	LVC	LVC
PATCH CABLES FOR DEVICES WITHIN THE TR/ER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES	LVC	LVC
TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING	LVC	LVC
CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	EC	EC
DATA SWITCHES, SERVERS, FIREWALL, ETC	OWNER	OWNER
EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	LVC	LVC
RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU)	LVC	LVC
WIRELESS ACCESS POINTS	OWNER	OWNER

CONDUIT SCHEDULE LEGEND:



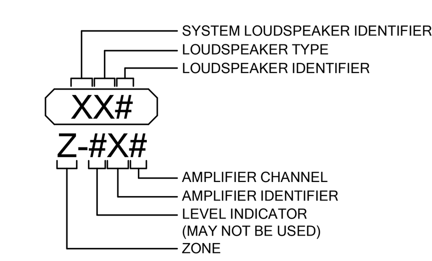
CONDUIT SIZE CHART
A = 3/4" CONDUIT
B = 1" CONDUIT
C = 1-1/4" CONDUIT
D = 1-1/2" CONDUIT
E = 2" CONDUIT
F = 3" CONDUIT
G = 4" CONDUIT

ROUGH-IN JUNCTION BOX LEGEND:



JUNCTION BOX SIZE
A = 4" SQ. 2-1/8" DEEP JUNCTION BOX
B = 4-11/16" SQ. JUNCTION BOX
C = CUSTOM JUNCTION BOX, SEE SCHEDULE FOR SIZE
D = HUBBELL - HBL260/HBL985

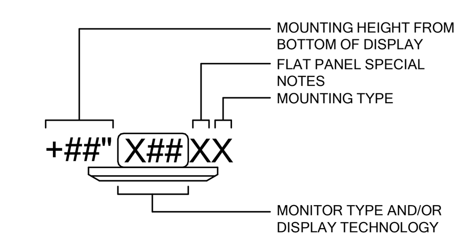
LOUDSPEAKER LEGEND:



LOUDSPEAKER TYPES
A = ARRAY, CABINET, CLUSTER
C = CEILING RECESSED
P = PENDANT MOUNTED
R = WALL RECESSED
S = CEILING SURFACE MOUNTED
W = WALL SURFACE MOUNTED

SYSTEM LOUDSPEAKER IDENTIFIER
BLANK = SYSTEM SPECIFIC
I = INTERCOM SYSTEM
SM = SOUND MASKING SYSTEM

FLAT PANEL MONITOR LEGEND:



MOUNT TYPES
F = FLAT MOUNT
T = TILT MOUNT
E = EXTENSION MOUNT
S = ARTICULATING MOUNT
H = ADJUSTABLE HEIGHT MOUNT*

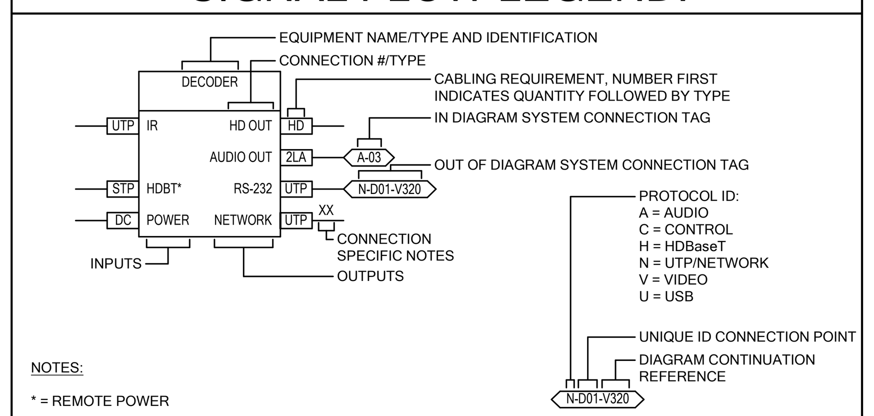
MONITOR TYPES
D = TYPICAL COMMERCIAL GRADE
L = DIRECT VIEW LED PRODUCT
R = RESIDENTIAL GRADE
S = INTERACTIVE COMMERCIAL GRADE
V = VIDEO WALL (SLIM BEZEL)

FLAT PANEL SPECIAL NOTES
CLG = CEILING (POLE) MOUNTED
D = DIGITAL SIGNAGE
P = PORTRAIT ORIENTATION
R = RECESSED

NOTES:

* HEIGHT INDICATED IS THE MAX HEIGHT, MOUNT SHALL ADJUST DOWN

SIGNAL FLOW LEGEND:



NOTES:

* = REMOTE POWER

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024
PROJECT #: 24-013
PM / PA: BNA
PIC: BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

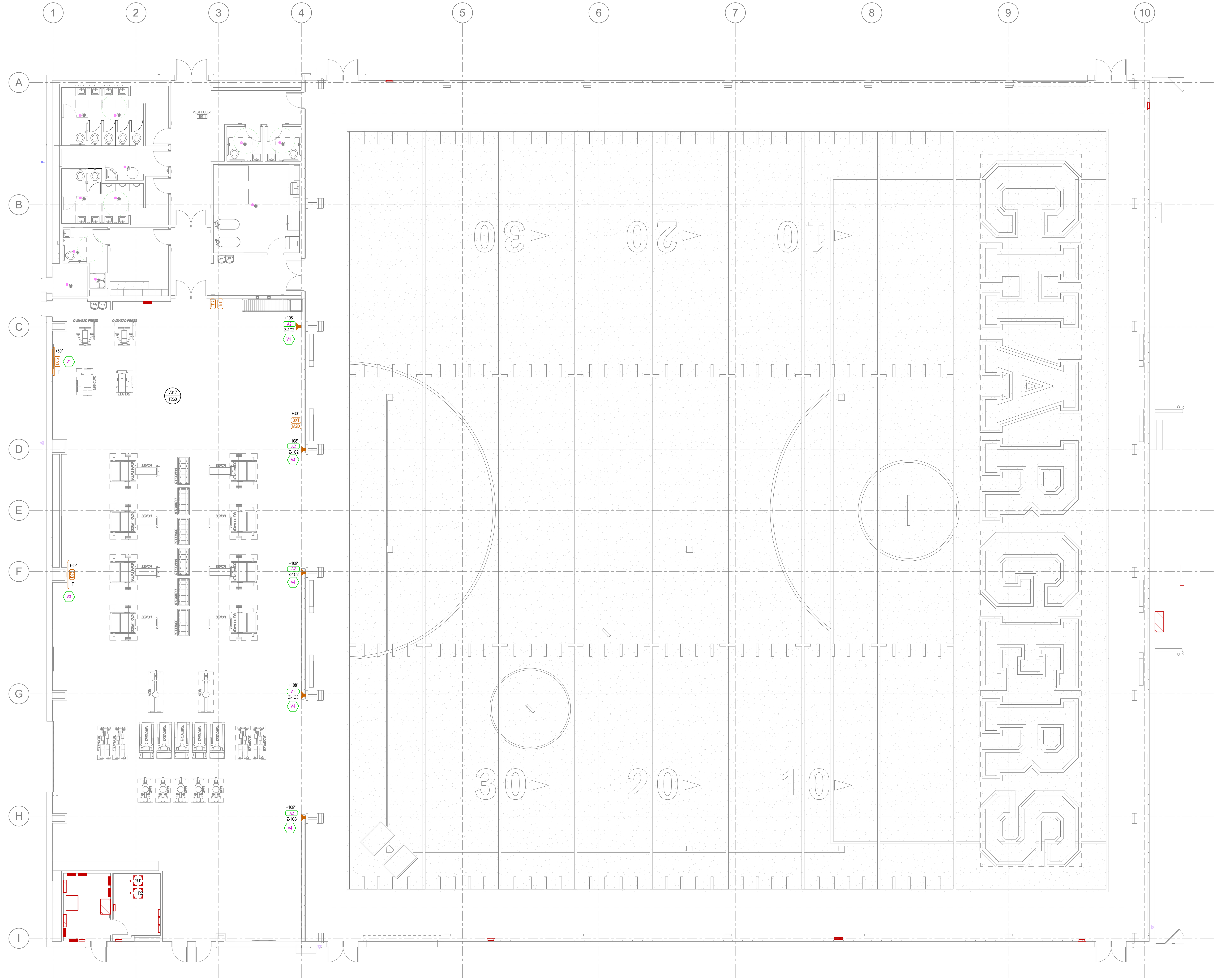
AUDIOVISUAL SCHEDULES

SHEET NUMBER

T201

SHEET KEYNOTES

V1	MOUNT ABOVE MIRRORS. CONNECTS TO OWNER-FURNISHED STREAMING DEVICE.
V3	CENTER ON COLUMN. VERIFY FINAL MOUNTING LOCATION WITH ARCHITECT.
V4	MOUNT LOUDSPEAKER TO COLUMN.



MAIN AUDIOVISUAL FLOOR PLAN
SCALE = 1/8" = 1'-0"

BASE BID

1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

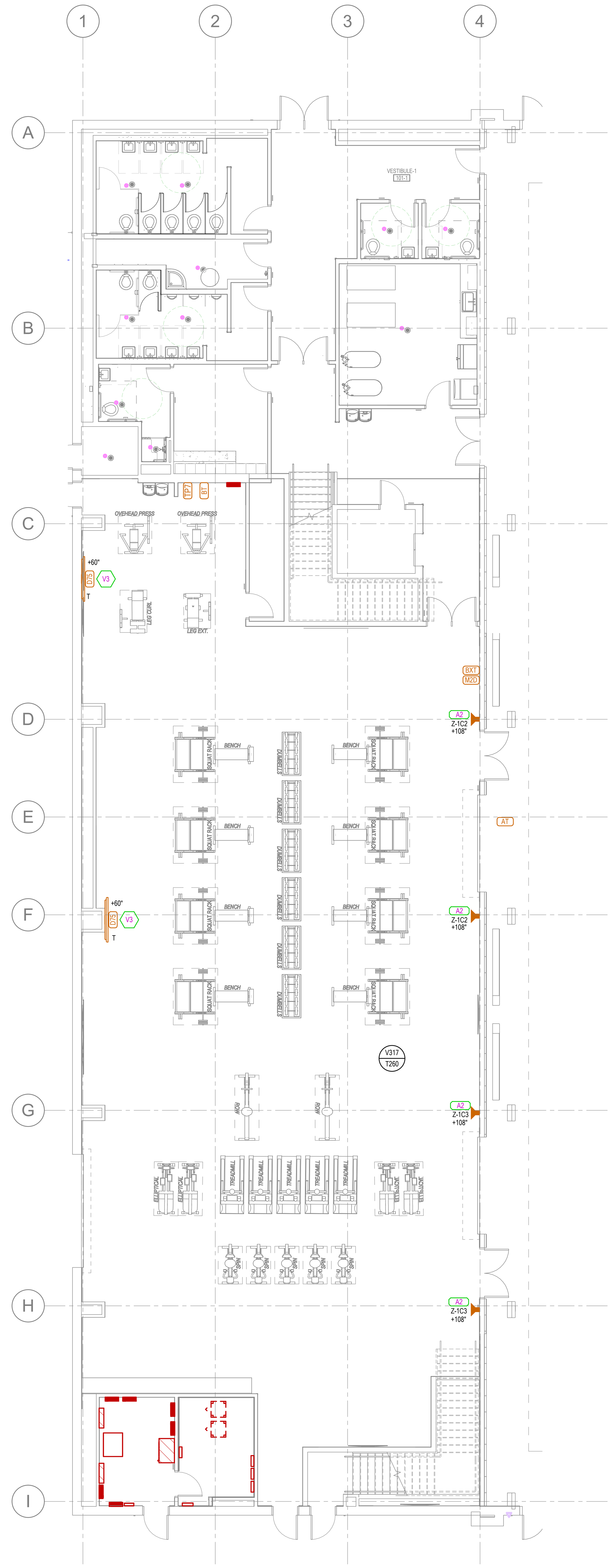
MAIN LEVEL AUDIOVISUAL FLOOR PLAN

SHEET NUMBER

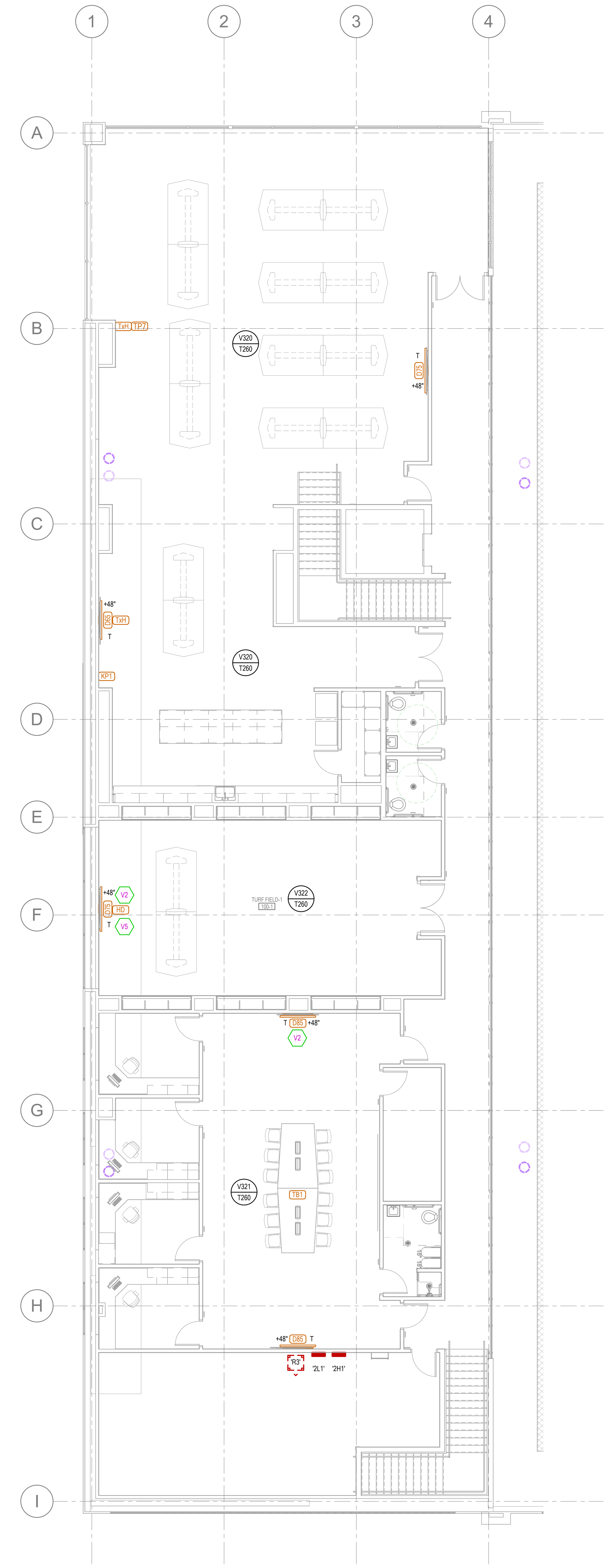
T211-A

SHEET KEYNOTES

V2	SECURE AUDIO AMPLIFIER BEHIND DISPLAY.
V3	CENTER ON COLUMN. VERIFY FINAL MOUNTING LOCATION WITH ARCHITECT.
V5	MOUNT DISPLAY TO COLUMN.



2 MAIN LEVEL AUDIOVISUAL FLOOR PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"



3 UPPER LEVEL AUDIOVISUAL FLOOR PLAN - ALTERNATIVE
SCALE = 1/8" = 1'-0"

ALTERNATE #1

1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

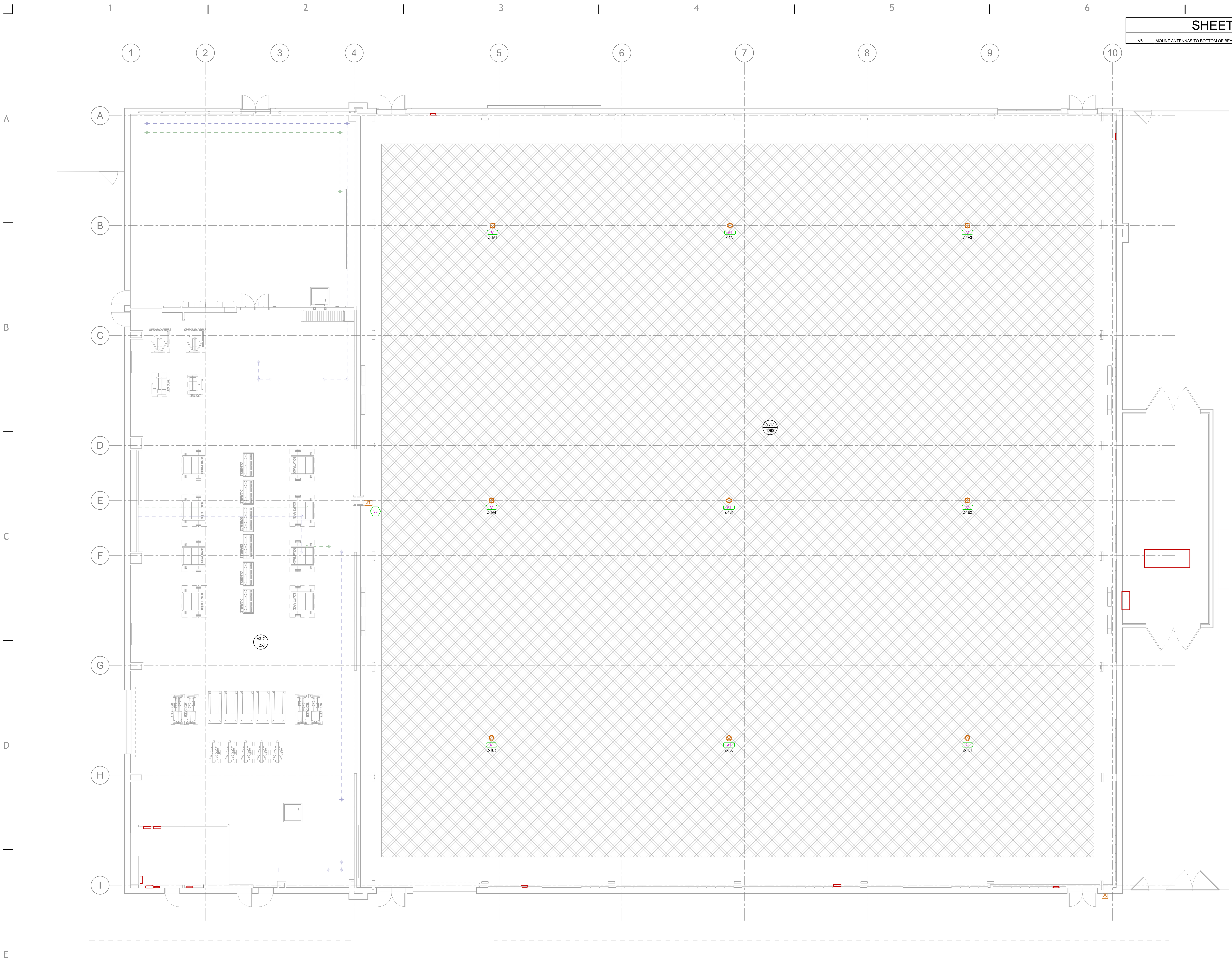
ALTERNATE AUDIOVISUAL FLOOR PLAN

SHEET NUMBER

T211-B

SHEET KEYNOTES

V6	MOUNT ANTENNAS TO BOTTOM OF BEAM. ENSURE PROPER FIELD RECEPTION.



AUDIOVISUAL MAIN FLOOR REFLECTED CEILING PLAN

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

BASE BID

1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

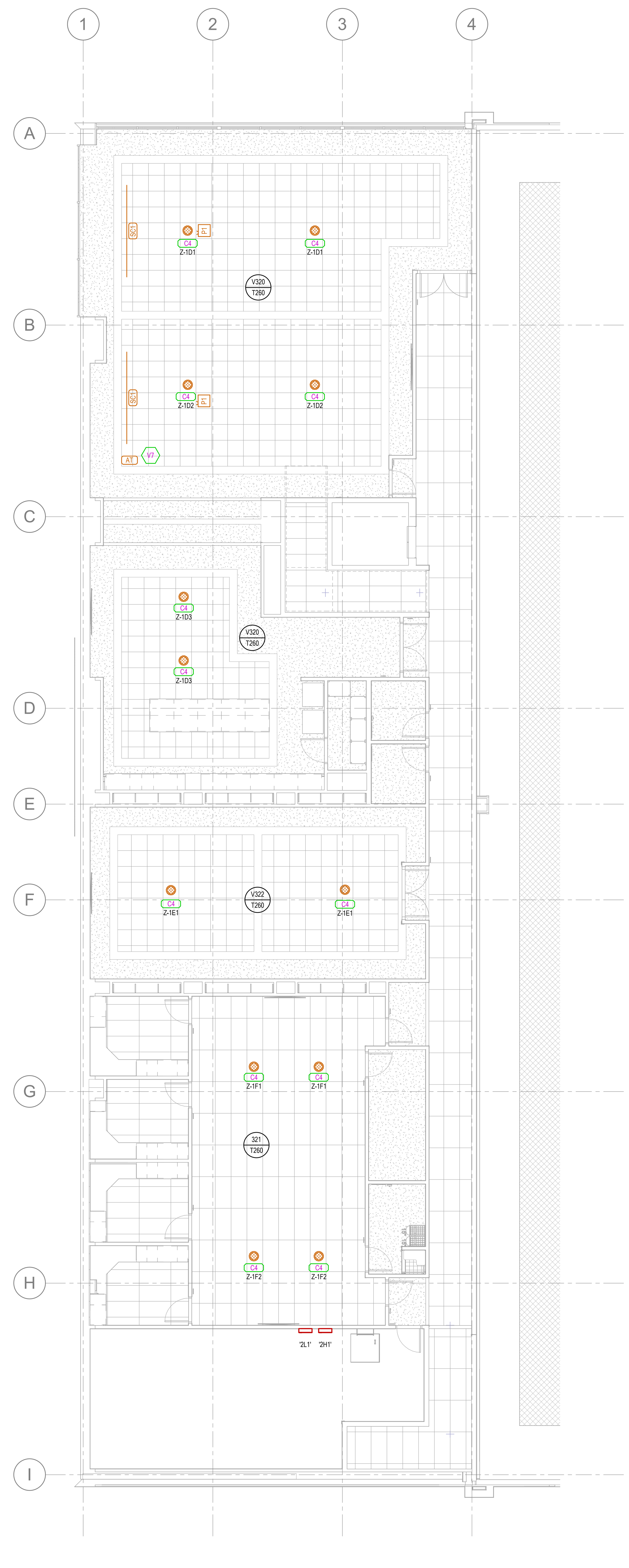
MAIN LEVEL AUDIOVISUAL RCP

SHEET NUMBER

T221-A

SHEET KEYNOTES

V7	COORDINATE FINAL ANTENNA MOUNTING LOCATION WITH ARCHITECT. ANTENNA RECEPTION NEEDS TO COVER VIP AND KITCHENETTE AREAS.



UPPER MAIN AV RCP - ALTERNATIVE
SCALE = 1/8" = 1'-0"

ALTERNATE #1

1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SECOND FLOOR AUDIOVISUAL ALTERNATE RCP

SHEET NUMBER

T221-B

DIAGRAM NOTES: #

1. LOCATED IN EQUIPMENT RACK 'R3'.
2. SECURE DEVICE TO PROJECTOR.
3. LOCATED IN KITCHENETTE
4. SECURE DEVICE BEHIND DISPLAY

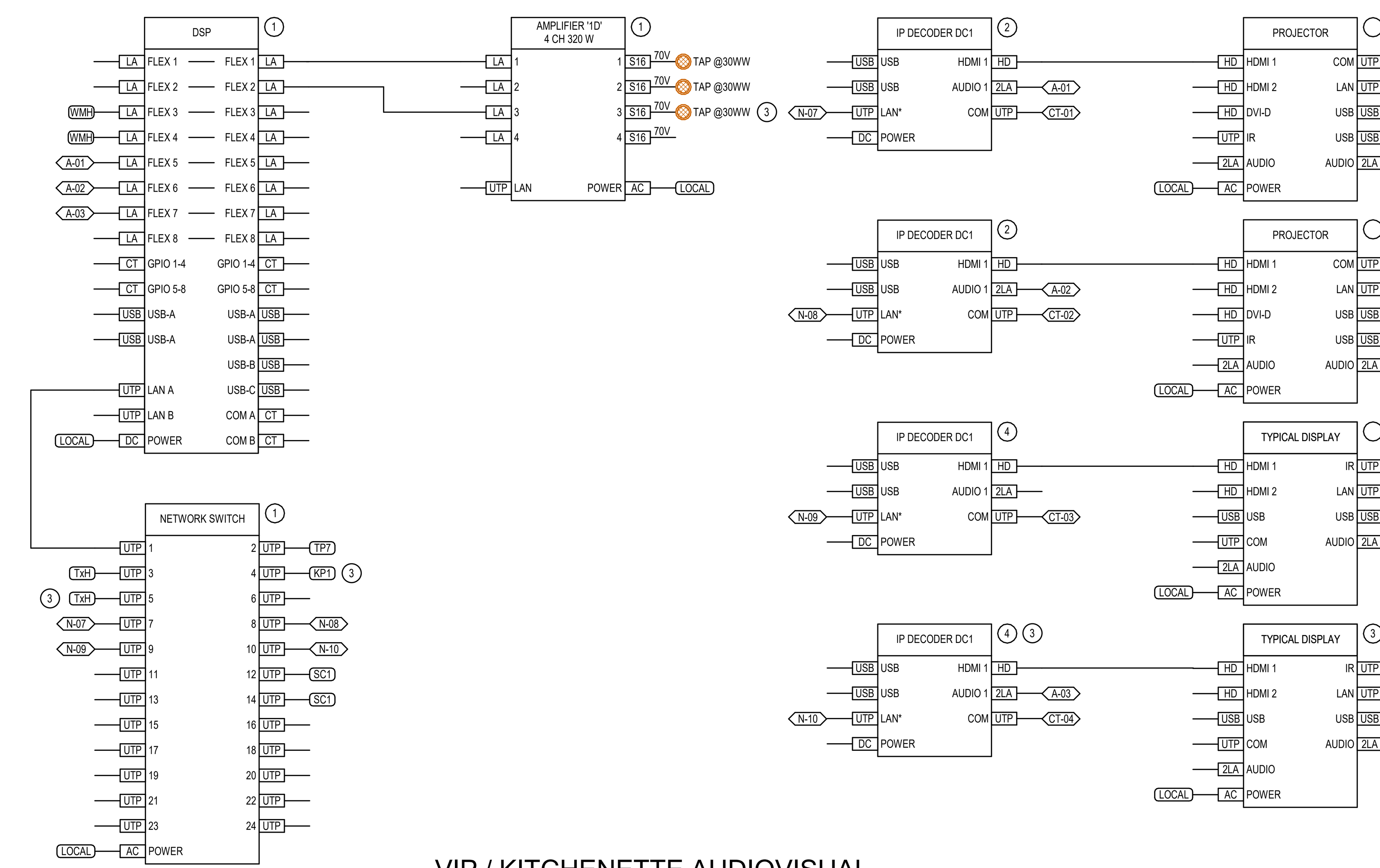


DIAGRAM V320 VIP / KITCHENETTE AUDIOVISUAL SIGNAL FLOW
NTS

DIAGRAM NOTES: #

1. DEVICE LOCATED IN RACK 'R1'.
2. SUM SIGNAL TO MONO.
3. LOCATED IN WEIGHT ROOM.

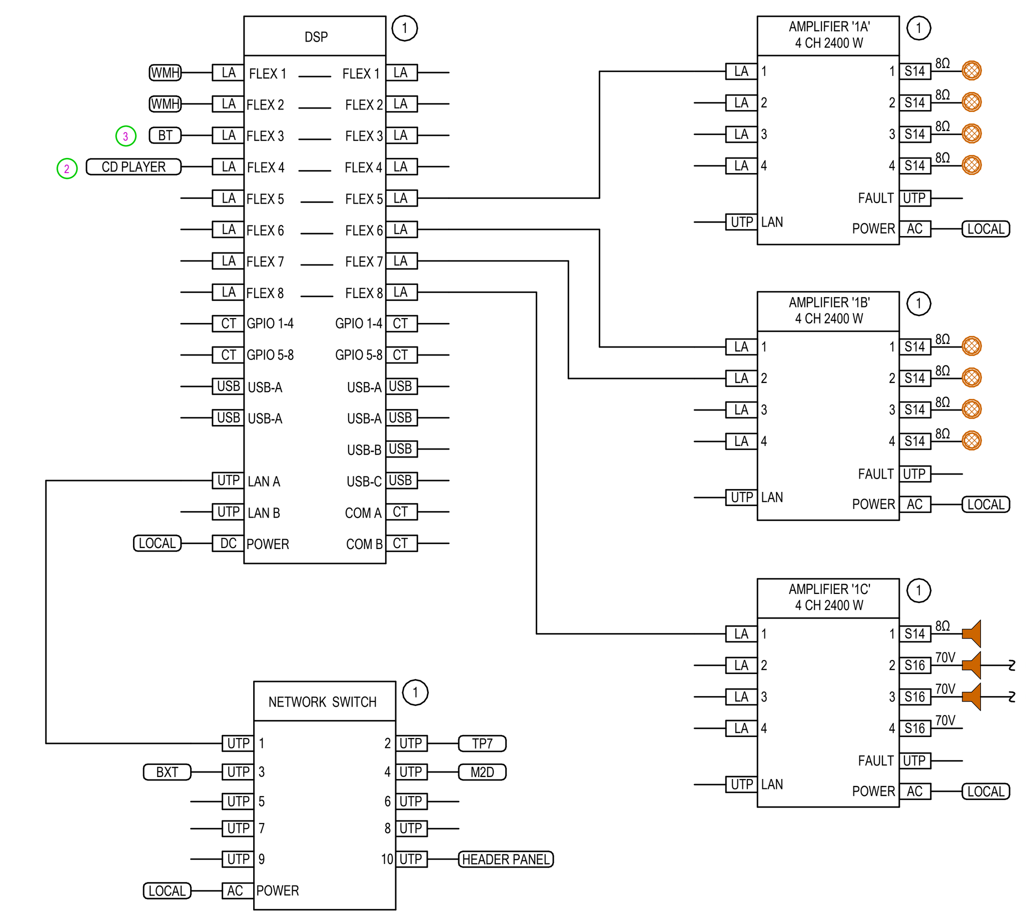
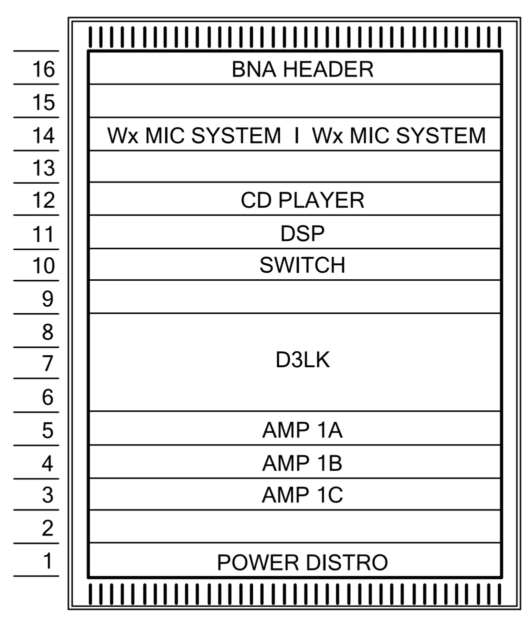


DIAGRAM V317 FIELDHOUSE AND SOCCER ONE-LINE
NTS



RACK 'R1'

DIAGRAM 1 FIELDHOUSE AND SOCCER RACK ELEVATION
NTS

DIAGRAM NOTES: #

1. SECURE DEVICE BEHIND DISPLAY

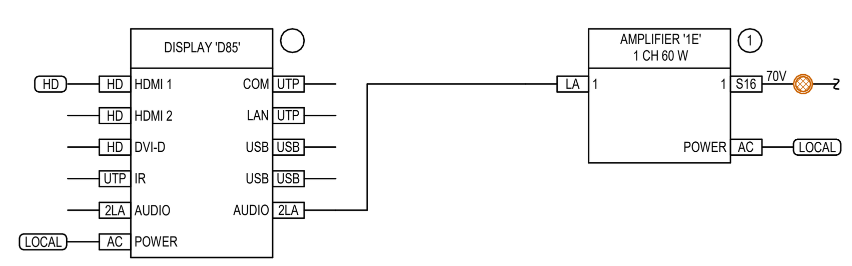


DIAGRAM V322 LEGACY ROOM AUDIOVISUAL SIGNAL FLOW
NTS

DIAGRAM NOTES: #

1. SECURE DEVICE TO UNDERSIDE OF TABLE.
2. SECURE DEVICE BEHIND DISPLAY

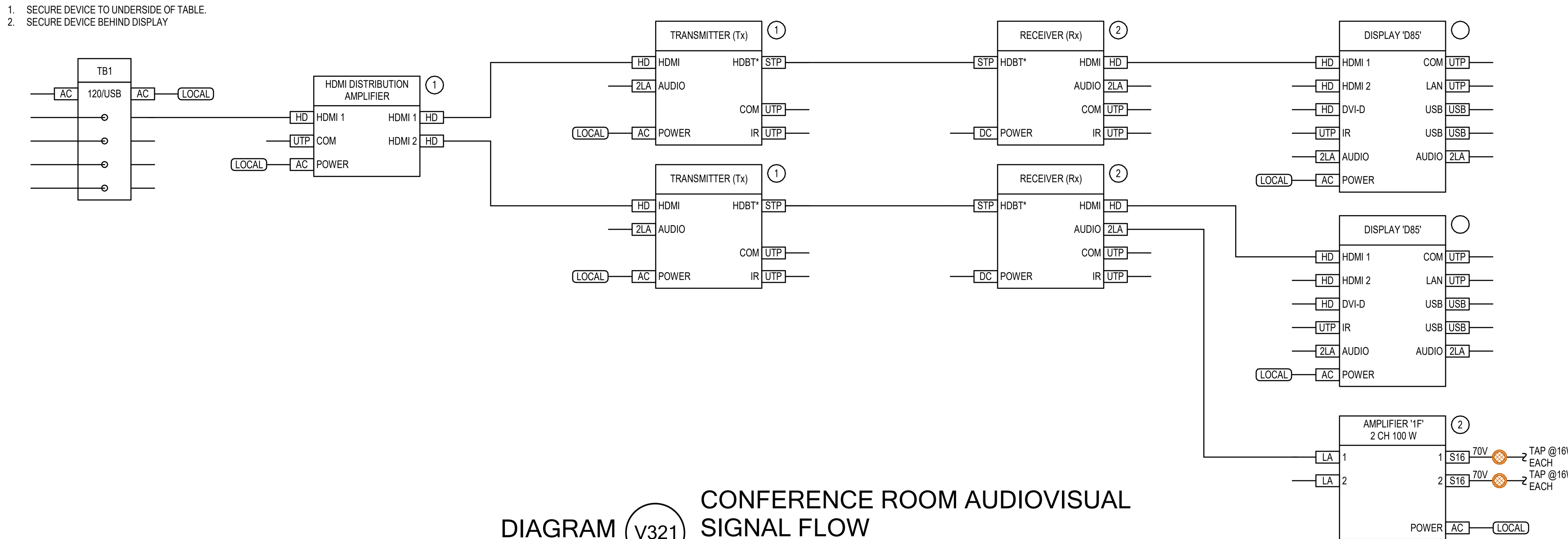
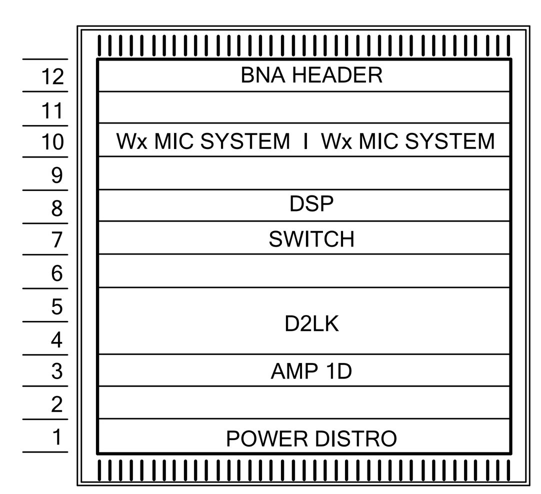


DIAGRAM V321 CONFERENCE ROOM AUDIOVISUAL SIGNAL FLOW
NTS



RACK 'R3'

DIAGRAM 2 VIP / KITCHENETTE RACK ELEVATION
NTS

GENERAL DIAGRAM NOTES:

A. INTEGRATOR IS RESPONSIBLE TO ENSURE COMPLETE FUNCTIONALITY OF INTERCOM SYSTEMS IN ALL OCCUPIED AREAS OF THE SCHOOL THROUGHOUT ALL ZONES OF CONSTRUCTION. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED. AT SERVICE LOOPS MAINTAIN PROPER BEND RADIUS ON ALL CABLE.
B. PROVIDE (1) PAGING MODULE FOR EACH CORRIDOR THAT WILL REQUIRE A SEPARATE ZONE. REFER TO DRAWINGS AND SPECIFICATIONS FOR ZONE DESIGNATION.
C. MULTIPLE ZONES SHALL NOT SHARE A SINGLE AMPLIFIER CHANNEL OR IP MODULE.
D. AMPLIFIER REFERENCES SHOWN ON PLANS ARE INTENDED TO SHOW ZONING INFORMATION NOT MULTI-CHANNEL AMPLIFIER REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFIER REQUIREMENTS.
E. REFER TO FLOOR PLANS FOR QUANTITY OF CLASSROOMS REQUIRING CLASSROOM MODULE CONNECTIONS.
F. EXTERIOR LOUDSPEAKERS SHALL EACH BE HOME RUN BACK TO THE AMPLIFIER CHANNEL FOR THEIR ZONE. LABEL AND CONNECT THE ZONES AS INDICATED ON PLANS.

DIAGRAM NOTES: #

1. PROVIDE (1) RELAY FROM INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM. PROGRAM THIS RELAY TO TRIGGER A PREVENTATIVE LOCK DOWN. WHICH LOCKS THE OFFICE ENTRANCES. COORDINATE EXACT TERMINATION AND PROGRAMMING REQUIREMENTS WITH ACCESS CONTROL INSTALLER.
2. CONFIRM EXACT LOCATION OF DEVICE(S) WITH OWNER. REFER TO E SERIES SHEETS FOR LOCATION OF DATA CONNECTIONS.
3. REFER TO CLASSROOM SIGNAL FLOWS FOR ADDITIONAL REQUIREMENTS.
4. AMPLIFIERS ARE SHOWN FOR REFERENCE ONLY. COORDINATE WITH THE PLANS FOR ZONE REQUIREMENTS.
5. LOCATE NETWORK SWITCH(ES) IN THE ER/TR (MDF/IDF) FOR THE AREA REQUIRING DEVICE CONNECTION(S). NETWORK SWITCH(ES) WILL USE THE OWNERS BACKBONE FOR SIGNAL ROUTING BETWEEN EACH OTHER. REFER TO SPECIFICATIONS FOR NETWORK COORDINATION AND ADDITIONAL REQUIREMENTS.
6. ROOM SPECIFIC REQUIREMENT. REFER TO FLOOR PLANS FOR LOCATION AND REQUIREMENTS. ZONES UNDER 3 LOUDSPEAKERS MAY USE THE IP MODULES BUILT IN AMPLIFIER. ZONES WITH 3 AND MORE WILL REQUIRE AN ADDITIONAL AMPLIFIER.
7. EACH ZONE WILL REQUIRE AN UNIQUE IP MODULE TO COVER THAT ZONE. COMBINING IP MODULES FOR MULTIPLE ZONES IS NOT ALLOWED.

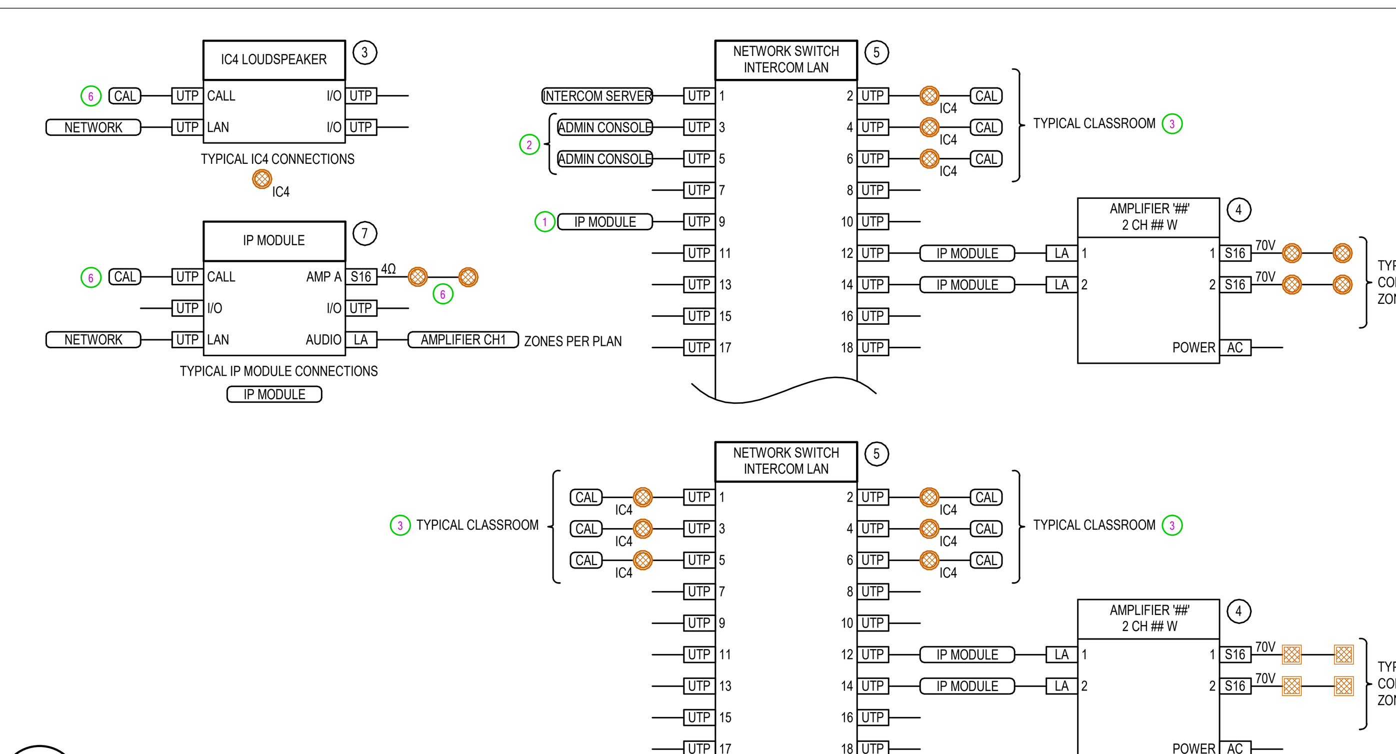


DIAGRAM V350 IP INTERCOM SYSTEM SIGNAL FLOW
NTS

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037-2202 9/12/24 STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

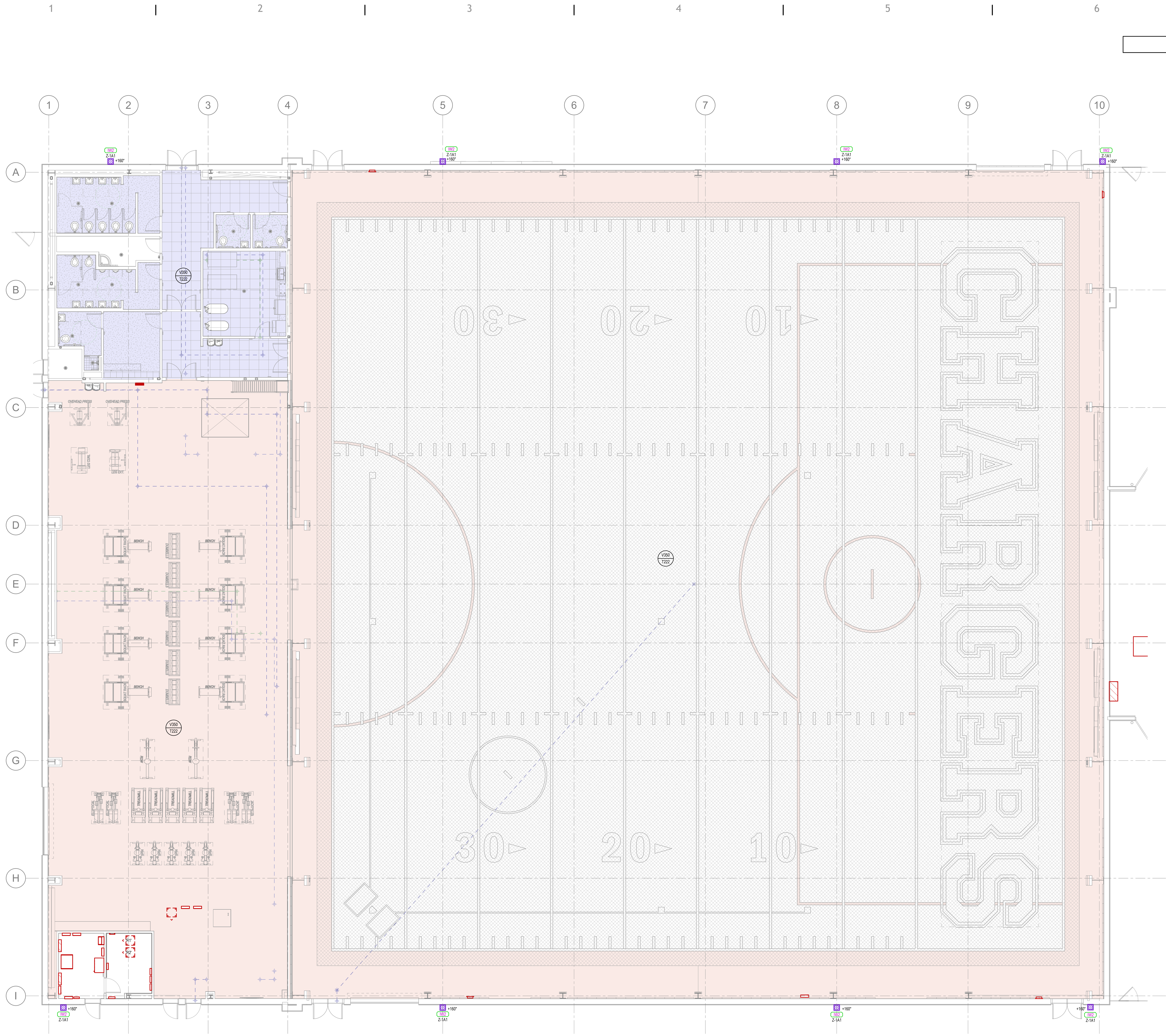
AUDIOVISUAL DIAGRAMS

SHEET NUMBER

T260

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BP2.rvt
9/11/2024 6:16:56 PM

SHEET KEYNOTES



MAIN LEVEL INTERCOM PLAN
SCALE = 1/8" = 1'-0"

INTERCOM ZONES

- Z-1A1
- Z-1A2

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709037-2202
9/12/24
STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

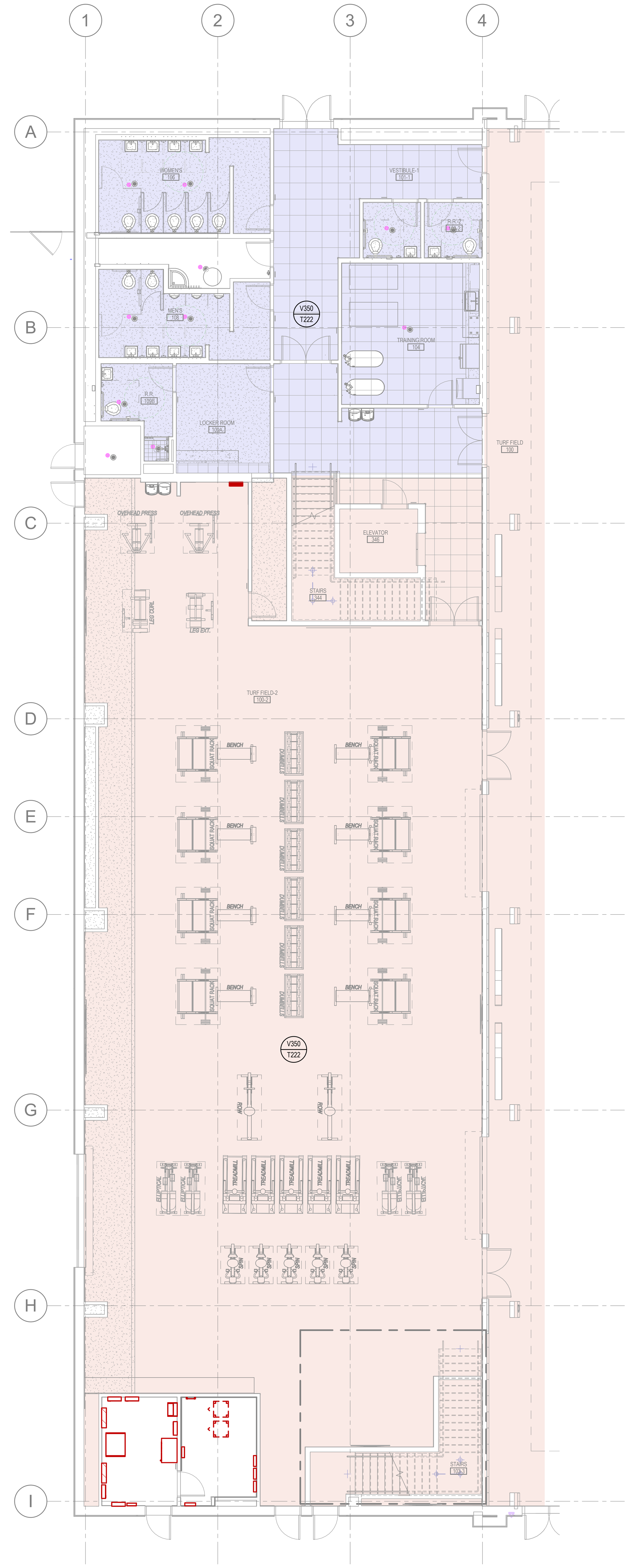
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

MAIN LEVEL INTERCOM PLAN

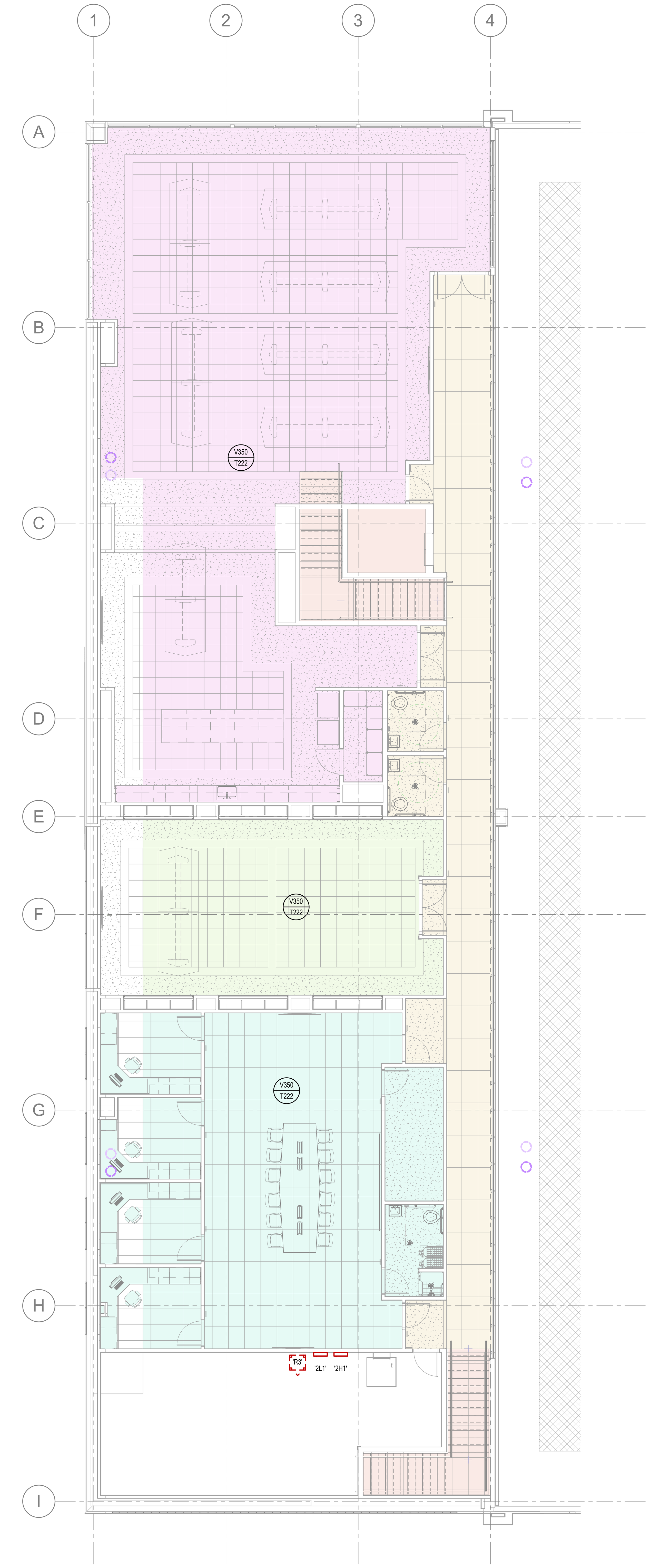
SHEET NUMBER

T411



MAIN INTERCOM PLAN - ALTERNATIVE

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



UPPER LEVEL INTERCOM PLAN - ALTERNATIVE

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

SHEET KEYNOTES

INTERCOM ZONES

- Z-1A1
- Z-1A2
- Z-2A1
- Z-2A2
- Z-2A3

CORE ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

PROFESSIONAL STAMP

PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037-2202 9/12/24 STATE OF UTAH

BNA CONSULTING
4225 Lake Park Blvd, Suite 275
West Valley City, UT 84120
P: 801.532.2196
F: 801.532.2305
www.bnaconsulting.com
SALT LAKE ST. GEORGE
BNA Proj. No. #####

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE INTERCOM PLAN

SHEET NUMBER

T412

Autodesk Docs://24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BP2.rvt
9/11/2024 6:17:17 PM