

These documents are approved for construction. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals.

FIRE PROTECTION REQUIREMENTS (CHAPTERS 5,6,7 & 10)

REQUIRED	PROVIDED
SEPARATION REQUIREMENTS (ACCESS OCCUPANCY CLASSIFICATION 508.2) (NON-SEPARATED USES 508.3)	NA 0
INTERIOR BEARING WALLS, COLUMNS, BEAMS, GIRDERS, TRUSSES, FLOOR CONSTRUCTION, EXTERIOR BEARING WALLS (PER TABLE 601: FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS)	0
SMOKE PARTITIONS (PER SECTION 710.3)	NA
VERTICAL SHAFT ENCLOSURES (FIRE BARRIER) (PER SECTION 713.4)	NA
INTERIOR EXIT STAIRWAY ENCLOSURE (FIRE BARRIER) (CHANGED TO EXIT ACCESS STAIRWAY BY INCREASED TRAVEL DISTANCE ALLOWED BY AUTOMATIC SPRINKLERS, AND VCC 1019.3 SINCE WE ARE ONLY CONNECTING 2 LEVELS)	NA
CORRIDOR (PER TABLE 1020-1: CORRIDOR FIRE-RESISTANCE RATING)	0

EGRESS REQUIREMENTS (CHAPTER 10)

REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE TO AN EXIT (PER TABLE 1017.2 - SPRINKLED)	300 FEET
MAXIMUM COMMON PATH OF TRAVEL (PER TABLE 1006.2.1 - SPRINKLED)	100 FEET
DEAD END CORRIDOR (PER SECTION 1020.4 EXCEPTION 2)	50 FEET
MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY (PER SECTION 1006.3.2)	2
MINIMUM CORRIDOR WIDTH (PER TABLE 1020.2)	44" MINIMUM
MINIMUM STAIRWAY WIDTH (0.2 INCHES PER OCCUPANT) (PER SECTION 1005.3.1 & 1011.2)	36" MINIMUM < 50 OCC 44" MINIMUM > 50 OCC
MINIMUM EXIT DOOR WIDTH (0.2 INCHES PER OCCUPANT) (PER SECTION 1005.3.2 & 1010.1.1)	32" MINIMUM
MINIMUM RAMP WIDTH (0.2 INCHES PER OCCUPANT) (PER SECTION 1005.3.2 & 1012.5.1)	44" MINIMUM

COMPLYING WITH 2018 IEBC

Per Section 301.3 we have selected to follow the compliance method listed in Section 301.3.1.
Per Section 604.1 we are classified as an Alteration - Level 3.
 Because our remodel changes the occupancy of the existing building, the entire building, all design elements and structure including the existing structure, have been brought into compliance with the 2018 IEBC. In doing so, we comply with all applicable sections of Chapter 5 of the 2018 International Existing Building Code. This achieves compliance with the method listed in Section 301.3.1. Additionally, we comply with the following sections of Chapter 3:
Per Section 301.5 we are complying with the 2009 A117.1.
Per Section 302.3 we are complying with the applicable ICC codes for all scopes of work.
Per Section 302.5 we are using only new materials permitted by the 2018 IEBC.
Per Section 302.5.1 all new structural members and connections have been designed in accordance with the provisions of the applicable chapters of the 2018 IEBC.
Per Section 302.6 the occupancy and use of the building has been determined in accordance with chapter 3 of the 2018 IEBC.
Per Section 303 the existing and new structure has been designed to meet the requirements of the 2018 IEBC.
Per Section 305.3 the design of this project does not reduce the accessibility of the existing building.
Per Section 305.4.2 we have provided more than one accessible parking spot with passenger loading zones with an accessible route connecting them to an accessible building entrance. Applicable signage has been provided as well.
Per Section 305.6 our design complies with the provisions of Chapter 11 of the 2018 IEBC.
Per Section 305.9.3 the main entrance to the building has been designed to be accessible.
Per Section 305.9.4 all toilet facilities within the facility have been designed to be accessible and usable for family or assisted use.

CODE ANALYSIS

APPLICABLE CODES

- BUILDING/STRUCTURAL: 2018 INTERNATIONAL BUILDING CODE
- ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE
- PLUMBING: 2017 IDAHO PLUMBING CODE
- MECHANICAL: 2018 INTERNATIONAL MECHANICAL CODE
- FIRE: 2018 INTERNATIONAL FIRE CODE
- ENERGY: 2018 INTERNATIONAL ENERGY CONSERVATION CODE

CONSTRUCTION TYPE (IBC 601)

TYPE II B, FIRE SPRINKLED

BUILDING OCCUPANCY (IBC 302):

A-3,B,S-1

DESIGN CATEGORY:

RISK CATEGORY IV (ESSENTIAL FACILITY)

AREA BY OCCUPANCY GROUP:

BUILDING MAIN LEVEL
 MIXED USE NON SEPARATED, FULLY SPRINKLED

A-3* AREA	1,780 SF
B** AREA	21,761 SF
S-1 AREA	12,452 SF
TOTAL MAIN LEVEL	35,993 SF

* A-3 OCCUPANCY MOST RESTRICTIVE
 ** B OCCUPANCY THE MAIN OCCUPANCY

BUILDING AREA BASED ON NON-SEPARATED USES (SECTION 508.3)
 ALLOWABLE AREA AND HEIGHTS ARE BASED ON THE MOST RESTRICTIVE USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS

A3 = MOST RESTRICTIVE USE	
ALLOWABLE SQUARE FOOTAGE A-3	38,000 SF
TOTAL ACTUAL SQUARE FOOTAGE	35,993 SF
ALLOWABLE HEIGHT A-3	75'-0"
ACTUAL HEIGHT	21'-8"
ALLOWABLE NUMBER OF STORIES A-3	3
ACTUAL NUMBER OF STORIES	1

OCCUPANCY SEPARATION:

NONSEPARATED PER SECTION 508.3

AREA INCREASE PER SECTION 506:

FRONTAGE INCREASE:
 $I = [F/P - 0.25]W/30$
 ALLOWABLE INCREASE FOR FIRE SPRINKLER SYSTEM: 75%
 TOTAL ALLOWABLE SQUARE FOOTAGE: 66,500 SF

EXTERIOR WALL FIRE RESISTANCE HOUR-RATING BASED ON DISTANCE SEPARATION (TABLE 602.1)

TYPE II B	X < 5'	FIRE SEPARATION DISTANCE	2 HR
TYPE II B	5' ≤ X < 10'	FIRE SEPARATION DISTANCE	1 HR
TYPE II B	10' ≤ X < 30'	FIRE SEPARATION DISTANCE	0 HR
TYPE II B	X ≥ 30'	FIRE SEPARATION DISTANCE	0 HR

BUILDING IS NO CLOSER THAN 20 FEET TO ANY PROPERTY LINE.

FIRE FLOW & FIRE HYDRANT CALCULATION:

REQUIRED: 1,500 GPM - 2 HOUR DURATION
 2018 IFC SECTION B105.1(2), EXCEPTION: TABLE B105.2

REQUIRED: 1 FIRE HYDRANT FOR FIRE FLOW OF 1,750 GPM OR LESS

ADDRESS

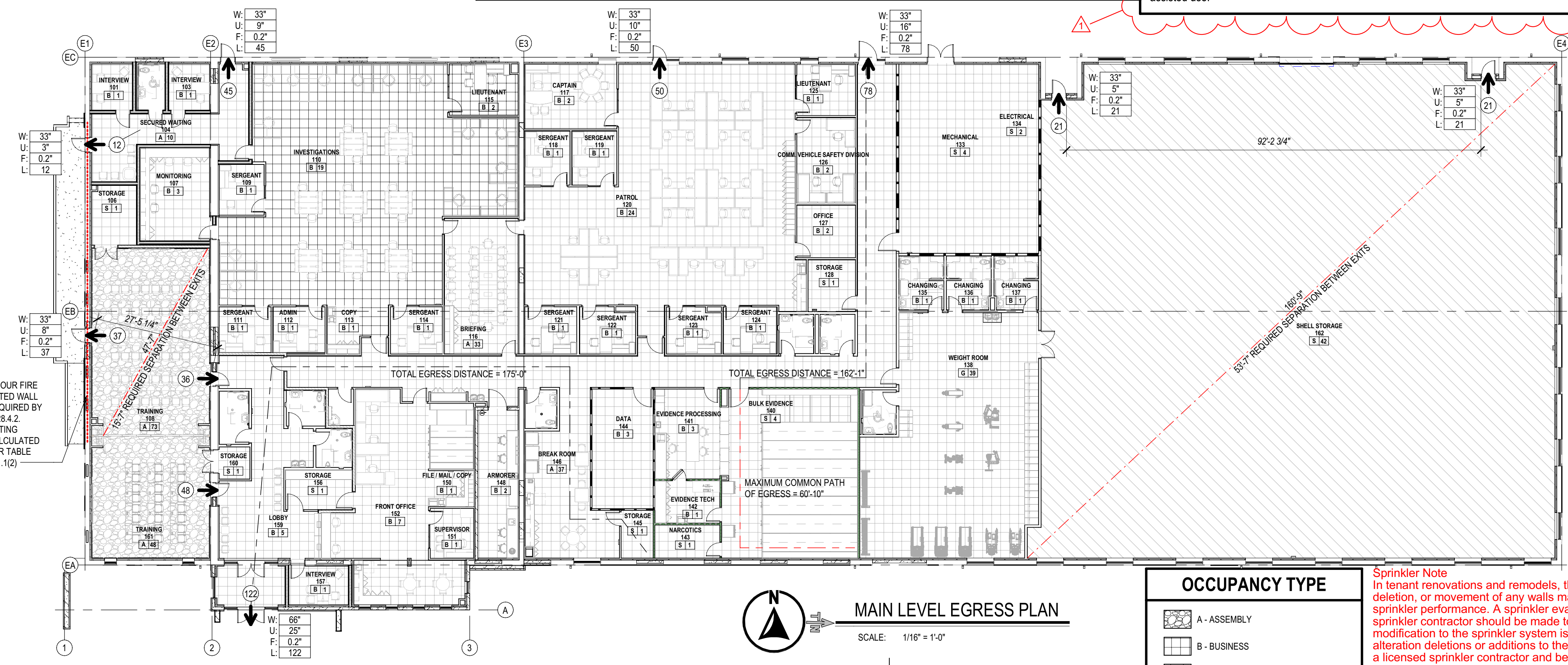
1155 FOOTE DRIVE IDAHO FALLS, ID 83402

LAND USE ZONE:

LIGHT MANUFACTURING AND HEAVY COMMERCIAL

BUILDING INFORMATION:

HEIGHT OF BUILDING: 20'-9"
 NUMBER OF STORIES: 1



MAIN LEVEL EGRESS PLAN
 SCALE: 1/16" = 1'-0"



MAIN LEVEL OCCUPANCY PLAN
 SCALE: 1/16" = 1'-0"

PLUMBING FIXTURE COUNT - 2017 ISPC / 2018 IBC

PLUMBING FIXTURE CALCULATION A-3	WC MALE	WC FEMALE	URINAL	LAV MALE	LAV FEMALE	DRINKING FOUNTAINS
TOTAL OCCUPANT LOAD (1:1-100)	3	3	1	1	1	1
PLUMBING FIXTURE CALCULATION B	WC MALE	WC FEMALE	URINAL	LAV MALE	LAV FEMALE	DRINKING FOUNTAINS
TOTAL OCCUPANT LOAD (2: 51-100)	2	4	1	1	2	1
PLUMBING FIXTURE CALCULATION S-1	WC MALE	WC FEMALE	URINAL	LAV MALE	LAV FEMALE	DRINKING FOUNTAINS
TOTAL OCCUPANT LOAD (1:1-100)	1	1	NR	1	1	1
TOTAL REQUIRED	4	8	2	3	4	3
TOTAL PROVIDED	*3	8	3	6	5	4

ALL LOADS DIVIDED IN HALF FOR MALE/FEMALE
 *1 URINAL SUBSTITUTED FOR 1 WATER CLOSET PER 2017 ISPC TABLE 422.1 NOTE 4

OCCUPANCY LOAD PLAN KEY

ROOM NAME	ROOM #	OCCUPANT LOAD (LOAD FACTOR/AREA)	OCCUPANT LOAD TYPE SYMBOL	OCCUPANT LOAD SERVICE BY EXIT
ASSEMBLY UNCONCENTRATED		15	NET A	
BUSINESS		150	GROSS B	
ACCESSORY STORAGE / EQUIPMENT		300	GROSS S	
EXERCISE ROOM		50	GROSS G	

TOTAL BUILDING OCCUPANT LOAD = 307

DOOR EGRESS TAG

W: 33"	AVAILABLE EGRESS WIDTH AT EXIT
U: 32"	EGRESS WIDTH USED AT EXIT
F: 0.2"	OCCUPANT LOAD WIDTH FACTOR
L: 160	OCCUPANT LOAD AT EXIT



nbwarchitects.p.a.
 ARCHITECTURE / PLANNING / INTERIORS
 990 JOHN HODGINS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
 (P) 208-522-8779 (F) 208-522-8795 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT TITLE:
 CODE ANALYSIS

REVISIONS

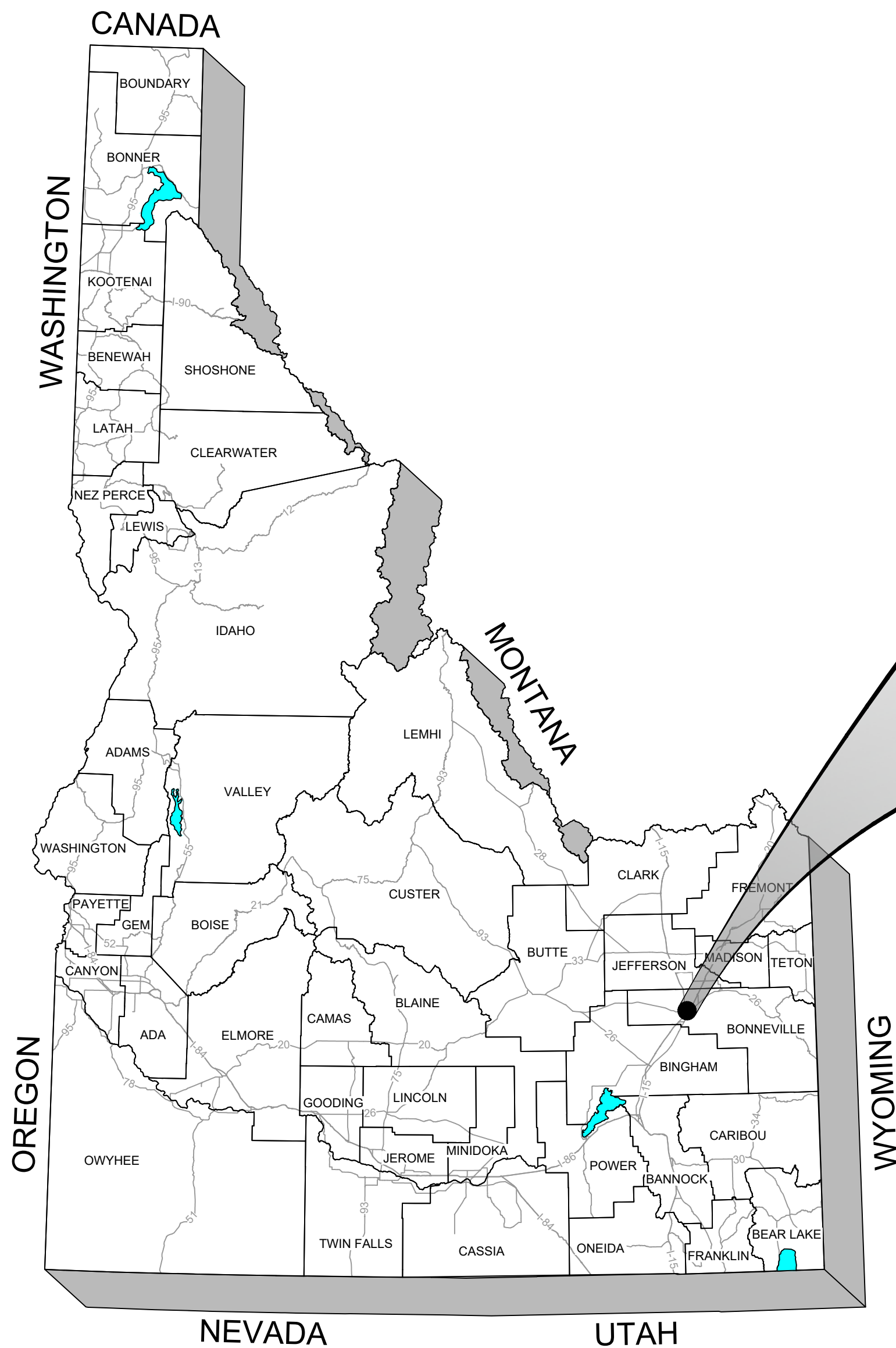
1	IDOPL COMMENTS	2024-12-26
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PROJECT NO.
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NRH/BTH/JNH
 CHECKED BY:
 NRH

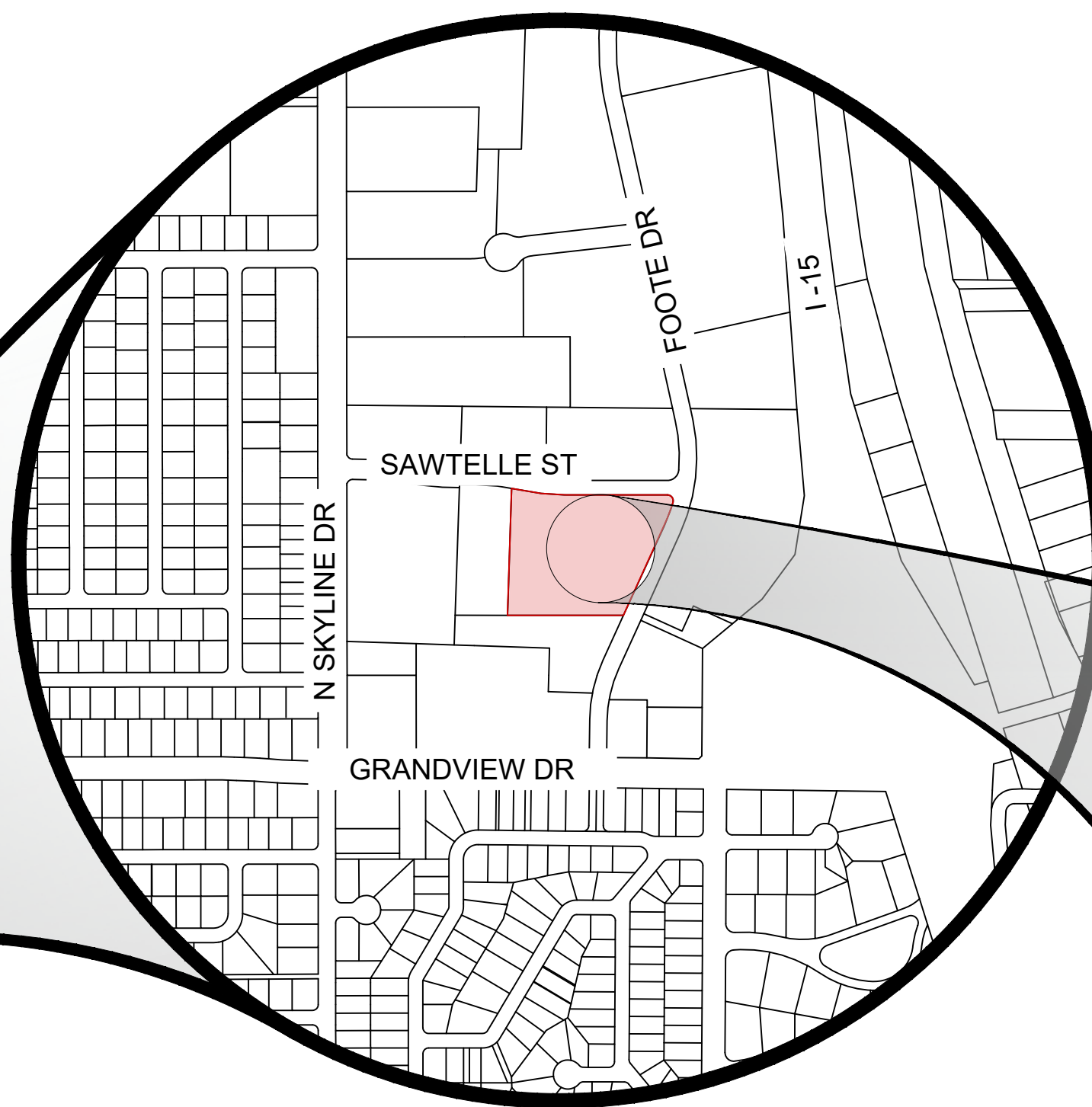
DRAWING NO.:

G1.1

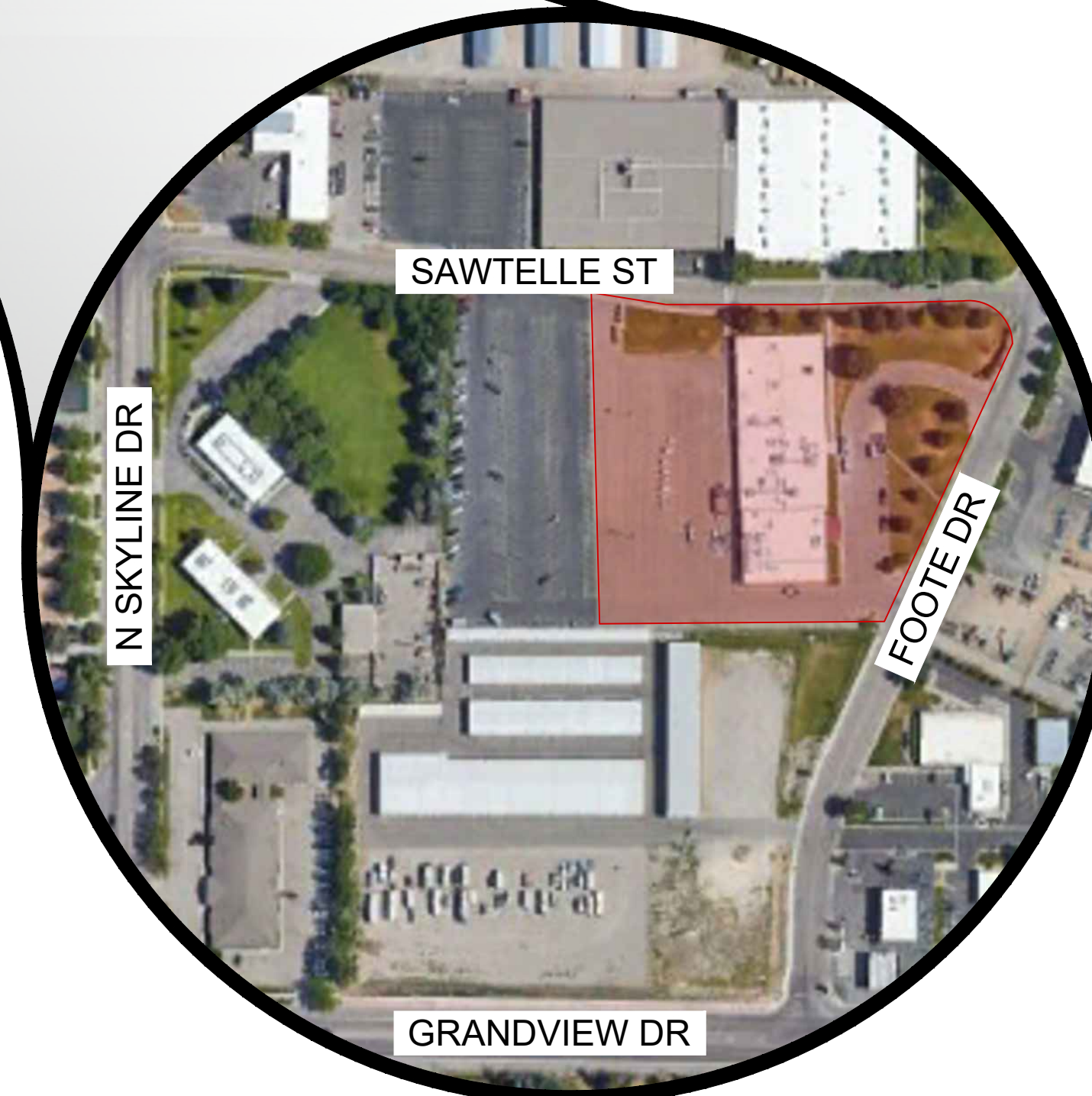
SITE PLAN FOR: FOR ISP DISTRICT 6 REMODEL 1155 FOOTE DR IDAHO FALLS, IDAHO 83402



STATE MAP



VICINITY MAP



PROJECT SITE

SHEET INDEX		
PAGE #	SHEET TITLE	SHEET #
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5	SITE PLAN	C.3.0
6	SITE PLAN DETAILS	C.3.1
7	GRADING PLAN	C.4.0
8	DRAINAGE & UTILITIES	C.5.0
9	DRAINAGE & UTILITIES DETAILS	C.5.1
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11	LANDSCAPE PLAN	L.1.0
12	LANDSCAPE DETAILS	L.2.0
13	IRRIGATION PERFORMANCE SPECIFICATIONS	L.3.0

ENGINEER:
HORROCKS ENGINEERS
 2194 Snake River Pkwy., Suite 205
 Idaho Falls, ID 83402
 (208) 522-1223
 CONTACT: JAVIER RAMERIZ, PE

ARCHITECTS:
NBW ARCHITECTS
 990 JOHN ADAMS PARKWAY
 IDAHO FALLS, ID 83401
 (208) 522-8779
 CONTACT: NICK HANSEN

OWNER:
 STATE OF IDAHO - DIVISION OF PUBLIC WORKS
 (IDAHO STATE POLICE)
 502 N 4TH ST
 BOISE, ID 83702
 (208) 332-1900

UTILITIES:
 POWER- CITY OF IDAHO FALLS
 GAS- INTERMOUNTAIN GAS
 SEWER- CITY OF IDAHO FALLS
 WATER- CITY OF IDAHO FALLS

BASIS OF BEARING

ALL MEASURED BEARINGS SHOWN HEREON RELATE DIRECTLY TO THE "CITY OF IDAHO FALLS COORDINATE SYSTEM OF 2004", WHICH IS DERIVED FROM THE IDAHO STATE PLANE COORDINATE SYSTEM (EAST ZONE 1101) US SURVEY FEET AND USING A COMBINED SCALE FACTOR OF 1.00027265 FOR A GRID TO GROUND CONVERSION, [REFERENCE FRAME NAD_83(2011), EPOCH 2010.0000]. THE SYSTEM ORIENTATION IS BASED ON GRID NORTH ALONG THE EAST ZONE CENTRAL MERIDIAN. NO CONVERGENCE ANGLE HAS BEEN APPLIED.

CONTROL POINTS

CP#1
 ELEV: 4732.53'
 N: 670795.5180'
 E: 684419.9380'
 FOUND: REBAR WITH CAP

CP#2
 ELEV: 4728.70'
 N: 670772.3770'
 E: 684955.8100'
 FOUND: REBAR WITH CAP

CP#3
 ELEV: 4735.12'
 N: 670358.3210'
 E: 684406.0250'
 FOUND: REBAR WITH CAP

- VERTICAL CONTROL DATUM BASED ON NAVD88

SURVEY NOTE

THIS SITE PLAN IS DESIGNED TO CONFORM WITH AN ACTUAL SURVEY THAT WAS PERFORMED ON THE GROUND BY A LAND SURVEYOR LICENSED BY THE STATE OF IDAHO. THE BOUNDARY LINES OF THE SURVEY ARE SHOWN HEREON WITH BEARINGS AND DISTANCES. IT IS THE OWNER'S/DEVELOPER'S RESPONSIBILITY TO CONSTRUCT ALL STRUCTURES SHOWN ON THIS SITE PLAN IN ACCORDANCE WITH SAID SURVEY.

NOTES

1. The address shall be posted and maintained on every job site prior to and during construction. **NO ADDRESS = NO INSPECTION.**
2. A **Site Plan** including a completed City review block shall be on the job site at all times during construction.
3. **Any changes** to this site plan shall be submitted to the City of Idaho Falls Community Development Services Department for approval prior to construction.
4. **Failure to comply** with the requirements of this plan may result in the City withholding building permits, certificates of occupancy, water or electrical service.
5. **Approval of the City Engineer** is required for any proposed construction within a public right-of-way or easement and shall be in accordance with the **current City of Idaho Falls Standard Drawings and Specifications**.
6. A **City of Idaho Falls Public Works License** is required for any contractor working in a public right-of-way or easement.
7. A **Public Right-of-Way Use Permit** is required for any work in any public right-of-way or easement. The City Engineering Division must be notified at least two (2) days prior to any excavation under this permit (208-612-8250).
8. **Placing Concrete** within the public right-of-way requires inspection and approval by the City Engineering Division. The Division shall be notified at least four (4) hours prior to placing (208-612-8250).
9. All **Driveway Approaches** shall be concrete and meet the requirements of the current City of Idaho Falls Standard Specifications and Drawings. All driveways and parking areas shall be hard surface.
10. **Replace** all broken or poor quality curb, gutter, and sidewalk.
11. **Remove** all unused driveway approaches and replace with standard full height curb, gutter and sidewalk.
12. A Licensed Idaho Professional Engineer shall inspect, certify to City Standards, and prepare "As-built" drawings for all **Water, Sanitary Sewer and Storm Sewer Main Lines**.
13. All **Water Service Lines** less than four (4) inches and **Sanitary Service Lines** less than eight (8) inches shall be inspected by the City Wastewater Division prior to backfilling (208-612-8108). All 4" and larger taps to existing City water mains shall be inspected by the City Water Division (208-612-8471) prior to backfilling. Verification of a passing bacteria test for the installation of all new water mains 4" and larger in diameter must be submitted to the City Engineering Division prior to placing mains into service.
14. Pursuant to IDAPA 58.01.08, all new construction shall install provisions for a water meter to capture domestic and landscape irrigation uses. Provisions shall be installed per City of Idaho Falls Standard Drawings and Specifications - Drawings IF-401A through IF-401F. Water meters are required on all non-residential construction as well as common landscaped areas. Residential construction must install an idler in place of water meter. Meters or idlers must be on approved material list and may be purchased from the Water Division warehouse (208-612-8474).
15. **Fire flow and access road requirements for commercial buildings** are based on building construction type, height, and total square footage of all floors. This information must be provided on the site plan.
16. **Private fire service water mains** shall be installed by a city licensed fire sprinkler contractor. Fire service mains must be tested and approved by the Fire Marshal prior to backfilling.
17. All **Electrical Facilities**, including new services or the relocating of existing, shall be in accordance with the current Idaho Falls Power Service Policy. Service Policy available at I.F.P. office or I.F.P. website. The developer must submit two (2) copies of these plans directly to Idaho Falls Power for the design and/or approval of electric service. Contact Idaho Falls Power prior to construction of electrical facilities (612-8430).
18. All single-family attached dwellings shall have separate electrical, water, and sewer service lines without any common facilities.
19. Appropriate erosion and sediment control requirements associated with construction shall be shown on the Site Plan or a separate attached plan.
20. In compliance with Idaho Code § 55-1613 a field search and location survey has been conducted under the direction of a professional land surveyor prior to this project's construction.

VICINITY MAP



CITY OF IDAHO FALLS SITE PLAN APPROVAL
Revision 10/2023

Approved _____ Date _____
City of Idaho Falls

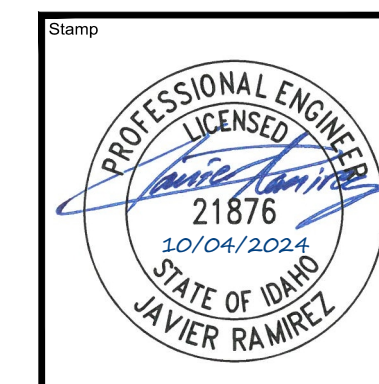
PROPERTY LEGAL DESCRIPTION

LOT 6, BLOCK 2,
HATCH GRANDVIEW DIVISION NO. 3
NW1/4, SEC 13, T 2N, R 37E

SITE PLAN CONTACT PERSON

NAME HORROCKS - JAVIER RAMIREZ
 ADDRESS 2194 SNAKE RIVER PKWY, SUITE 205 ZIP _____
 PHONE (208) 522-1223

SITE PLAN NAME AND ADDRESS (See Note #1)



ENGINEERING DEPT.
WATER CONNECTIONS _____ SIZE/EACH
WATER CONNECTIONS _____ SIZE/EACH
IRRIGATION CONNECTIONS _____ SIZE/EACH
SEWER CONNECTIONS _____ EACH

99% REVIEW SET	ENGINEERING DEPT.
COVER SHEET	SEWER FRONT FOOTAGE _____ FT.
	WATER FRONT FOOTAGE _____ FT.

REVISIONS			
REV	DATE	BY	DESCRIPTION



Approved
 State of Idaho
 Division of Building Safety
 These documents are approved
 contingent on the compliance with the
 mark-ups and notes applied.
 This approval shall not be construed to be
 an approval of any violation of, or variance
 from, Idaho's adopted codes, standards,
 laws or rules applicable to this project.

H O R R O C K S E N G I N E E R S

GENERAL NOTES

UTILITY NOTES

UTILITY NOTES

GRADING & DRAINAGE NOTES

UTILITY CONTACTS

WATER

- 1. ALL WATER MAINLINES SHALL BE D.I. CLASS 50.
2. THE WATER LINE CONSTRUCTION SHALL CONFORM TO CITY OF IDAHO FALLS STANDARD DRAWINGS & SPECIFICATIONS AND THE DEPARTMENT OF ENVIRONMENTAL QUALITY REGULATIONS OF PUBLIC DRINKING WATER SYSTEMS AND DISINFECTION SPECIFICATIONS SHOULD BE TO ANSII/AWWA C 651-92: DISINFECTION OF WATER MAINS STANDARDS.
3. THE CONTRACTOR SHALL MAINTAIN 10' HORIZ. AND 18" VERT. SEPARATION BETWEEN WATER AND SEWER LINES.

SEWER

- 1. ALL SANITARY SEWER PIPE SHALL BE TO THE PROJECT STANDARDS.
2. CONTRACTOR SHALL INSTALL ALL SANITARY SEWER MAINS AND SERVICE LINES PRIOR TO INSTALLING ANY WATER SYSTEM IMPROVEMENTS. ADJUST WATER LINES AS PER PLANS TO MAINTAIN SEPARATION OF MAIN LINES AND TO AVOID SANITARY SEWER SERVICE LINES.
3. THE CONTRACTOR SHALL MAINTAIN 10' HORIZ. AND 18" VERT. SEPARATION BETWEEN WATER AND SEWER LINES.
4. ALL NEW AND EXISTING SEWER SYSTEMS WILL BE MANDREL AND AIR TESTED.
5. SEWER LENGTHS AND SLOPES ON THE PROFILE VIEWS ARE MEASURED FROM CENTER-CENTER OF MANHOLES.
6. ALL REMOVED EXISTING SEWER OR WATER UTILITIES SHALL EITHER BE SALVAGED OR PROPERLY DISPOSED OF ACCORDING TO GOVERNING REGULATIONS.
7. ALL ABANDONED OR UNUSED SEWER MANHOLES SHALL BE COMPLETELY REMOVED.
8. SEWER MAINS ABANDONED IN PLACE SHALL BE CUT AT EACH END, AND SHALL EITHER BE PLUGGED OR CAPPED WITH A PLASTIC OR CONCRETE CAP.
9. SEWER LATERALS MAY EITHER BE COMPLETELY REMOVED OR ABANDONED IN PLACE. LATERALS TO BE REMOVED SHALL BE CUT AT THE MAIN AND CAPPED ON BOTH ENDS AS INDICATED IN NOTE 6 ABOVE.

IRRIGATION

- 1. IRRIGATION SLEEVES SHALL BE INSTALLED AS SHOWN.
2. ALL PRESSURE IRRIGATION PIPE SHALL BE INSTALLED AND AIR TESTED IN THE SAME MANNER AS THE CULINARY WATER SYSTEM PER THE 'IDAHO FALLS STANDARDS'
3. ALL IRRIGATION PIPING INCLUDING SERVICE MATERIALS MUST BE PER CITY OF IDAHO FALLS STANDARDS.
4. ALL LANDSCAPE IRRIGATION SERVICES MUST HAVE A METER WITH METER PIT.

FIRE

- 1. THE FIRE SPRINKLER UNDERGROUND WATER SUPPLY IS TO BE INSTALLED BY, OR UNDER THE SUPERVISION OF, A STATE AND CITY OF IDAHO FALLS LICENSED SPRINKLER CONTRACTOR. INSTALLATION CANNOT BEGIN UNTIL THE STATE FIRE MARSHAL APPROVES AND STAMPS PLANS, OR GIVES WRITTEN PERMISSION TO ADVANCE ON THE PROJECT, AND THIS INFORMATION HAS BEEN RECEIVED BY THE FIRE PREVENTION DIVISION OF THE IDAHO FALLS FIRE DEPARTMENT. THE PRIVATE FIRE SERVICE MAIN MUST MEET THE REQUIREMENTS OF NFPA 24 AND PASS ALL INSPECTION POINTS. ALL JOINTS AND CONNECTIONS MUST BE INSPECTED PRIOR TO COVERING. DEPTH OF COVER FOR OUR AREA IS 6' MINIMUM.

ELECTRICAL NOTES

- 1. ALL NEW ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT IDAHO FALLS POWER SERVICE POLICY. COORDINATE ALL ELECTRICAL CONSTRUCTION WITH IDAHO FALLS POWER.
2. PRIMARY SECTIONALIZING CABINETS, TRANSFORMER GROUND SLEEVES, SECONDARY PEDESTALS, FIBER BOXES, AND GROUND RODS SHALL BE PROVIDED BY IFP, BUT SHALL BE PICKED UP AT THE IFP WAREHOUSE AND/OR WEST SIDE YARD AND INSTALLED BY THE CONTRACTOR.
3. ALL PVC ELECTRIC CONDUITS SHALL BE PVC SCHEDULE 40 (SEE NOTE 5 AND 6 FOR EXCEPTIONS). ALL ELBOWS SHALL BE PVC SCHEDULE 40 LARGE RADIUS SWEEP (36") OR AS OTHERWISE SPECIFIED BY IFP (SEE NOTE 5 AND 6 FOR EXCEPTIONS). RGS CONDUIT MUST BE USED AT RISER POLES. CONDUITS MUST BE CAPPED AND LABELED TO IDENTIFY ROUTING.
4. THE MINIMUM POWER TRENCH SHALL HAVE A MINIMUM DEPTH OF FIFTY-FOUR INCHES (54") AND MAXIMUM DEPTH OF SIXTY INCHES (60") BELOW FINISH GRADE (CONDUIT TO BE INSTALLED 48" BELOW FINISH GRADE). INCLUDING 6" OF SAND BEDDING BELOW AND ABOVE TOP OF CONDUITS. MINIMUM TRENCH WIDTH SHALL BE TWENTY-FOUR INCHES (24"). UNLESS OTHERWISE NOTED. ALL PRIMARY CONDUIT MUST HAVE A MINIMUM OF ONE (1) FOOT SEPARATION BETWEEN OTHER CONDUITS IN TRENCH. BOTTOM OF TRENCHES MUST BE LEVEL FOR CONDUIT INSTALLATION. ALL TRENCHES AND CONDUITS (INCLUDING ROAD CROSSINGS) MUST BE INSPECTED BY IDAHO FALLS POWER PRIOR TO BACK-FILLING. BACKFILL AND COMPACT ALL TRENCHES TO A MINIMUM OF 95% OF MAX DENSITY. (SECONDARY CONDUITS CAN BE REDUCED TO 30" OF COVER)
5. MINIMUM CONDUIT DEPTH CAN BE REDUCED TO EIGHTEEN INCHES (18") OF COVER BELOW FINAL GRADE THROUGH BASALT OR OTHER ROCK UPON PRIOR APPROVAL OF IFP. RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. IFP WILL SPECIFY THE CONDUIT SIZE.
6. 2" HDPE SDR 13.5 CONTINUOUS DUCT CAN BE UTILIZED BY THE CONTRACTOR INSTEAD OF 2 1/2" PVC SCHEDULE 40 AS SPECIFIED ON THE CONTRACTOR MAP FOR PROPOSED 1/0 SINGLE PHASE PRIMARY CONDUCTOR. CONDUIT TO BE RED IN COLOR OR BLACK WITH RED STRIPES (RED CONDUIT PREFERRED). IF POSSIBLE HDPE TO BE ORDERED WITH "IFP" STAMPED ON CONDUIT. THE HDPE CAN BE TURNED UP INSIDE OF GROUND SLEEVES OR CONTRACTOR MAY TRANSITION TO 2" PVC SCHEDULE 40 LARGE RADIUS SWEEP (36") WITH PERMA-GUARD/UL FITTINGS BY ARNCO SHUR-LOCK II OR APPROVED EQUAL BY IFP.
7. CONTRACTOR / DEVELOPER TO INSTALL A 2500 LB MULE TAPE STRING THROUGH EACH PRIMARY POWER CONDUIT RUN MORE THAN 75 LF. ALL SERVICES FROM THE METER BASE TO THE TRANSFORMER / SECONDARY PEDESTAL, AND INSTALL PULL STRING FOR FIBER OPTIC CONDUIT RUNS.
8. THE DEVELOPER/CONTRACTOR SHALL PROVIDE ALL STAKING AND LAYOUT OF NEW ELECTRICAL AND FIBER FACILITIES INCLUDING POWER POLES. ALL LOT CORNERS ADJACENT TO ALL POWER TRENCHES MUST BE CLEARLY MARKED FOR INSTALLATION OF ELECTRICAL FACILITIES.
9. THE CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING CITY POWER POLES AND ELECTRICAL AND FIBER FACILITIES DURING CONSTRUCTION. ALSO, REPAIR / REPLACE ALL CONCRETE, ASPHALT, AND LANDSCAPING THAT IS DISTURBED DURING CONSTRUCTION.
10. IT SHALL BE THE CUSTOMER OR CONTRACTOR'S RESPONSIBILITY TO PROVIDE ILLUMINATION (STREET LIGHTS) ALONG OR WITHIN THE PUBLIC RIGHTS-OF-WAY CONTAINED WITHIN A NEW DEVELOPMENT.
11. ALL NEW LIGHT POLE FOUNDATIONS AND LIGHTING CONDUITS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH CURRENT CITY OF IDAHO FALLS STANDARD DRAWINGS AND SPECIFICATIONS. IFP WILL FURNISH TO THE CONTRACTOR A BOLT HOLE TEMPLATE (PENDING AVAILABILITY), ANCHOR BOLTS, NUTS, WASHERS, GROUNDING BUTT PLATE, AND GROUND WIRE NEEDED FOR THE INSTALLATION OF THE LIGHT POLES.
12. IFP WILL INSTALL POLES AND LUMINAIRES WITH THE COST OF MATERIALS PAID BY THE CONTRACTOR PRIOR TO INSTALLATION.
13. ON ALL SUBDIVISIONS THE PADMOUNTED EQUIPMENT (INCLUDING GROUND SLEEVES / PEDESTALS, ETC.) WILL NOT BE PROVIDED OR SET UNTIL CURB AND GUTTER HAS BEEN INSTALLED. IDAHO FALLS POWER WILL PROVIDE GROUND RODS AND CONTRACTOR WILL INSTALL GROUND RODS PRIOR TO INSTALLATION OF CONDUIT.
14. ON BUILDINGS SERVING 3 UNITS OR MORE, METER SOCKETS AND UNITS MUST BE PERMANENTLY LABELED PRIOR TO METERS BEING ENERGIZED. ELECTRICIAN WILL BE REQUIRED TO COORDINATE WITH IDAHO FALLS POWER IN ORDER TO VERIFY METER SOCKET IS CONNECTED TO CORRECT UNIT (208-612-8207).

ELECTRICAL NOTES

- 1. ALL NEW ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT IDAHO FALLS POWER SERVICE POLICY. COORDINATE ALL ELECTRICAL CONSTRUCTION WITH IDAHO FALLS POWER.
2. PRIMARY SECTIONALIZING CABINETS, TRANSFORMER GROUND SLEEVES, SECONDARY PEDESTALS, FIBER BOXES, AND GROUND RODS SHALL BE PROVIDED BY IFP, BUT SHALL BE PICKED UP AT THE IFP WAREHOUSE AND/OR WEST SIDE YARD AND INSTALLED BY THE CONTRACTOR.
3. ALL PVC ELECTRIC CONDUITS SHALL BE PVC SCHEDULE 40 (SEE NOTE 5 AND 6 FOR EXCEPTIONS). ALL ELBOWS SHALL BE PVC SCHEDULE 40 LARGE RADIUS SWEEP (36") OR AS OTHERWISE SPECIFIED BY IFP (SEE NOTE 5 AND 6 FOR EXCEPTIONS). RGS CONDUIT MUST BE USED AT RISER POLES. CONDUITS MUST BE CAPPED AND LABELED TO IDENTIFY ROUTING.
4. THE MINIMUM POWER TRENCH SHALL HAVE A MINIMUM DEPTH OF FIFTY-FOUR INCHES (54") AND MAXIMUM DEPTH OF SIXTY INCHES (60") BELOW FINISH GRADE (CONDUIT TO BE INSTALLED 48" BELOW FINISH GRADE). INCLUDING 6" OF SAND BEDDING BELOW AND ABOVE TOP OF CONDUITS. MINIMUM TRENCH WIDTH SHALL BE TWENTY-FOUR INCHES (24"). UNLESS OTHERWISE NOTED. ALL PRIMARY CONDUIT MUST HAVE A MINIMUM OF ONE (1) FOOT SEPARATION BETWEEN OTHER CONDUITS IN TRENCH. BOTTOM OF TRENCHES MUST BE LEVEL FOR CONDUIT INSTALLATION. ALL TRENCHES AND CONDUITS (INCLUDING ROAD CROSSINGS) MUST BE INSPECTED BY IDAHO FALLS POWER PRIOR TO BACK-FILLING. BACKFILL AND COMPACT ALL TRENCHES TO A MINIMUM OF 95% OF MAX DENSITY. (SECONDARY CONDUITS CAN BE REDUCED TO 30" OF COVER)
5. MINIMUM CONDUIT DEPTH CAN BE REDUCED TO EIGHTEEN INCHES (18") OF COVER BELOW FINAL GRADE THROUGH BASALT OR OTHER ROCK UPON PRIOR APPROVAL OF IFP. RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. IFP WILL SPECIFY THE CONDUIT SIZE.
6. 2" HDPE SDR 13.5 CONTINUOUS DUCT CAN BE UTILIZED BY THE CONTRACTOR INSTEAD OF 2 1/2" PVC SCHEDULE 40 AS SPECIFIED ON THE CONTRACTOR MAP FOR PROPOSED 1/0 SINGLE PHASE PRIMARY CONDUCTOR. CONDUIT TO BE RED IN COLOR OR BLACK WITH RED STRIPES (RED CONDUIT PREFERRED). IF POSSIBLE HDPE TO BE ORDERED WITH "IFP" STAMPED ON CONDUIT. THE HDPE CAN BE TURNED UP INSIDE OF GROUND SLEEVES OR CONTRACTOR MAY TRANSITION TO 2" PVC SCHEDULE 40 LARGE RADIUS SWEEP (36") WITH PERMA-GUARD/UL FITTINGS BY ARNCO SHUR-LOCK II OR APPROVED EQUAL BY IFP.
7. CONTRACTOR / DEVELOPER TO INSTALL A 2500 LB MULE TAPE STRING THROUGH EACH PRIMARY POWER CONDUIT RUN MORE THAN 75 LF. ALL SERVICES FROM THE METER BASE TO THE TRANSFORMER / SECONDARY PEDESTAL, AND INSTALL PULL STRING FOR FIBER OPTIC CONDUIT RUNS.
8. THE DEVELOPER/CONTRACTOR SHALL PROVIDE ALL STAKING AND LAYOUT OF NEW ELECTRICAL AND FIBER FACILITIES INCLUDING POWER POLES. ALL LOT CORNERS ADJACENT TO ALL POWER TRENCHES MUST BE CLEARLY MARKED FOR INSTALLATION OF ELECTRICAL FACILITIES.
9. THE CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING CITY POWER POLES AND ELECTRICAL AND FIBER FACILITIES DURING CONSTRUCTION. ALSO, REPAIR / REPLACE ALL CONCRETE, ASPHALT, AND LANDSCAPING THAT IS DISTURBED DURING CONSTRUCTION.
10. IT SHALL BE THE CUSTOMER OR CONTRACTOR'S RESPONSIBILITY TO PROVIDE ILLUMINATION (STREET LIGHTS) ALONG OR WITHIN THE PUBLIC RIGHTS-OF-WAY CONTAINED WITHIN A NEW DEVELOPMENT.
11. ALL NEW LIGHT POLE FOUNDATIONS AND LIGHTING CONDUITS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH CURRENT CITY OF IDAHO FALLS STANDARD DRAWINGS AND SPECIFICATIONS. IFP WILL FURNISH TO THE CONTRACTOR A BOLT HOLE TEMPLATE (PENDING AVAILABILITY), ANCHOR BOLTS, NUTS, WASHERS, GROUNDING BUTT PLATE, AND GROUND WIRE NEEDED FOR THE INSTALLATION OF THE LIGHT POLES.
12. IFP WILL INSTALL POLES AND LUMINAIRES WITH THE COST OF MATERIALS PAID BY THE CONTRACTOR PRIOR TO INSTALLATION.
13. ON ALL SUBDIVISIONS THE PADMOUNTED EQUIPMENT (INCLUDING GROUND SLEEVES / PEDESTALS, ETC.) WILL NOT BE PROVIDED OR SET UNTIL CURB AND GUTTER HAS BEEN INSTALLED. IDAHO FALLS POWER WILL PROVIDE GROUND RODS AND CONTRACTOR WILL INSTALL GROUND RODS PRIOR TO INSTALLATION OF CONDUIT.
14. ON BUILDINGS SERVING 3 UNITS OR MORE, METER SOCKETS AND UNITS MUST BE PERMANENTLY LABELED PRIOR TO METERS BEING ENERGIZED. ELECTRICIAN WILL BE REQUIRED TO COORDINATE WITH IDAHO FALLS POWER IN ORDER TO VERIFY METER SOCKET IS CONNECTED TO CORRECT UNIT (208-612-8207).

- A. HORROCKS ENGINEERS HAS PREPARED GRADING PLANS AND SIZED DRAINAGE FACILITY SHOWN ON THIS PLAN TO CONTAIN THE RUNOFF FROM THE IDAHO FALLS CITY SPECIFIED DESIGN STORM EVENT FOR THE PROPOSED CITY R.O.W. ONLY.
B. DEVELOPER WILL CAUSE THE OWNERS OF THE LOTS TO DESIGN AND CONSTRUCT A RETENTION POND FOR THE CITY STANDARD ON EACH LOT. THE POND SHALL COMPLY WITH THE CITY STANDARD FOR RETENTION POND WITHOUT OUTLET. POND SHALL BE MAINTAINED ON SITE BY OWNER. POND SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF IDAHO AND THE ENGINEER SHALL CERTIFY THAT THE VOLUME HAS BEEN CONSTRUCTED PRIOR TO ISSUANCE OF OCCUPANCY PERMIT.
C. IT IS THE PROPERTY OWNER'S RESPONSIBILITY (DEVELOPER, HOMEOWNER, HOMEOWNERS ASSOC. ETC.) TO COMPLETE AND MAINTAIN THE FINAL GRADING ON THEIR PROPERTY IN ACCORDANCE WITH THE DRAINAGE CONCEPT IDENTIFIED IN THE GRADING AND DRAINAGE PLAN AND GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. THE PROPERTY OWNER IS RESPONSIBLE, IN PERPETUITY, FOR INSPECTING AND MAINTAINING PROPER DRAINAGE DURING CONSTRUCTION AND WHEN RE-GRADING OR MAKING MODIFICATIONS TO DRAINAGE FACILITIES THAT EFFECTS THEIR PROPERTY.
D. ALL IMPORTED STRUCTURAL FILL, IF REQUIRED, SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO DELIVERY TO THE SITE.
E. THE GRADING AND DRAINAGE PLANS DO NOT IDENTIFY THE CONSTRUCTION METHODS, EQUIPMENT, PROCEDURES, AND OR SEQUENCING TO BE EMPLOYED BY THE CONTRACTOR. ALL GRADING OPERATIONS INCLUDING BUT NOT LIMITED TO SITE PREPARATION, SCARIFICATION, EXCAVATION, OVER-EXCAVATION, PLACEMENT OF FILLS, AND COMPACTION OF FILLS, SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE WITH THE GEOTECHNICAL REQUIREMENTS FOR THE SITE AND ONSITE FIELD OBSERVATIONS AS REQUIRED BY THE GEOTECHNICAL FIRM.
F. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY HORROCKS IMMEDIATELY IF THERE ARE ANY CONFLICTS BETWEEN THE REQUIREMENTS OF THE GRADING AND DRAINAGE PLANS AND THE REQUIREMENTS OF THE GEOTECHNICAL REPORT OR GEOTECHNICAL FIELD OBSERVATIONS.
G. ALL EXCAVATION, GRADING, AND FILL OPERATIONS WITHIN THE BUILDING AREA SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER TO VERIFY SUBSOIL CONDITIONS AND DETERMINE ADEQUACY OF SITE PREPARATION, SUITABILITY OF FILL MATERIALS AND COMPLIANCE WITH COMPACTION REQUIREMENTS.
H. THE CONTRACTOR SHALL PROVIDE SUITABLE METHODS & EQUIPMENT TO CONTROL DUST AND AIR POLLUTION CAUSED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL ALSO PROVIDE SUITABLE MUD AND DIRT CONTAINMENT TO MAINTAIN THE WORK SITE. ACCESS ROADWAYS AND ADJACENT PROPERTIES IN A CLEAN CONDITION.
I. ALL EXCAVATION AND GRADING SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF IDAHO CITY CODES, UNIFORM BUILDING CODES, AND THE GEOTECHNICAL INVESTIGATION STUDY.
J. THE GEOTECHNICAL ENGINEER SHALL STAKING AND LAYOUT OF ELECTRICAL FACILITIES. THE CONTRACTOR SHALL CONFIRM WORK HAS BEEN PERFORMED IN CONFORMANCE WITH THEIR RECOMMENDATIONS.

WATER
CITY OF IDAHO FALLS PUBLIC WORKS
308 CONSTITUTION WAY
IDAHO FALLS, IDAHO 83402
(208) 612-8471

POWER
CITY OF IDAHO FALLS, IDAHO FALLS POWER
308 CONSTITUTION WAY
IDAHO FALLS, IDAHO 83402
(208) 612-8430

NATURAL GAS
INTERMOUNTAIN GAS COMPANY
308 CONSTITUTION WAY
1527 HOLLIPARK DR.
IDAHO FALLS, IDAHO 83401
(208) 542-6600

SEWER
CITY OF IDAHO FALLS PUBLIC WORKS
308 CONSTITUTION WAY
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WARNING
IF THIS BAR DOES NOT MEASURE 2" THEN DRAWING IS NOT TO SCALE

Table with columns: REVISIONS, DRAWING INFO, DATE, DESIGNED, DRAWN, CHECKED, PROJECT.

PROFESSIONAL ENGINEER LICENSED
21876
10/04/2024
STATE OF IDAHO
JAVIER RAMIREZ

99% REVIEW SET

ISP DISTRICT 6 REMODEL
1155 FOOTE DR IDAHO FALLS, IDAHO 83402
GENERAL NOTES

PROJECT SPECIFICATIONS AND STANDARDS
1. CITY OF IDAHO FALLS ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS (2022).
2. IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW, 2020).
3. GEOTECHNICAL REPORT E240445G DATED APRIL 10, 2024
NOTE: CONTRACTOR SHALL MAINTAIN A CURRENT COPY OF ALL PROJECT SPECIFICATION AND STANDARDS AT THE JOBSITE DURING CONSTRUCTION.

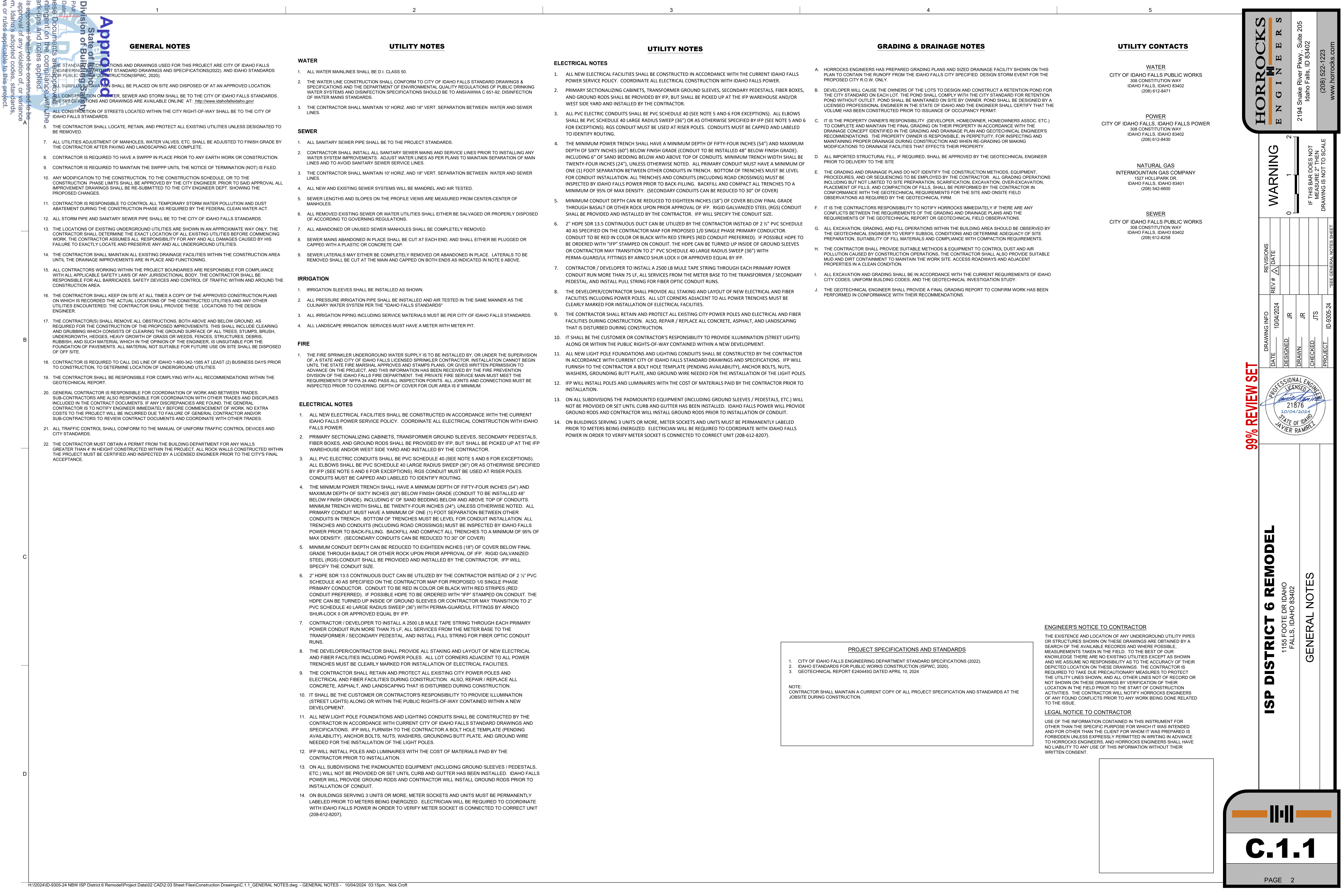
ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN AND WE ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THEIR DEPICTED LOCATION ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN, AND ALL OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS BY VERIFICATION OF THEIR LOCATION IN THE FIELD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL NOTIFY HORROCKS ENGINEERS OF ANY FOUND CONFLICTS PRIOR TO ANY WORK BEING DONE RELATED TO THE ISSUE.

LEGAL NOTICE TO CONTRACTOR

USE OF THE INFORMATION CONTAINED IN THIS INSTRUMENT FOR OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS INTENDED AND FOR OTHER THAN THE CLIENT FOR WHOM IT WAS PREPARED IS FORBIDDEN UNLESS EXPRESSLY PERMITTED IN WRITING IN ADVANCE TO HORROCKS ENGINEERS, AND HORROCKS ENGINEERS SHALL HAVE NO LIABILITY TO ANY USE OF THIS INFORMATION WITHOUT THEIR WRITTEN CONSENT.

C.1.1
PAGE 2



These Documents are to be used for informational purposes only. They do not constitute a contract. The contract is the approved set of drawings and specifications. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary approvals. The contractor shall be responsible for obtaining all necessary approvals.

Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
 contingent on the compliance with the
 applicable codes and rules applicable to this project.

SEWER

EXISTING	PROPOSED
UNKNOWN	SS
4 INCH	4" SS
6 INCH	6" SS
8 INCH	8" SS
10 INCH	10" SS
12 INCH	12" SS
14 INCH	14" SS
15 INCH	15" SS
16 INCH	16" SS
18 INCH	18" SS
24 INCH	24" SS
30 INCH	30" SS
36 INCH	36" SS
SERVICE LATERAL	SS

STORM

EXISTING	PROPOSED
UNKNOWN	SD
4 INCH	4" SD
6 INCH	6" SD
8 INCH	8" SD
10 INCH	10" SD
12 INCH	12" SD
15 INCH	15" SD
16 INCH	16" SD
18 INCH	18" SD
24 INCH	24" SD
30 INCH	30" SD
36 INCH	36" SD
42 INCH	42" SD
48 INCH	48" SD
54 INCH	54" SD
60 INCH	60" SD
66 INCH	66" SD
72 INCH	72" SD
LAND DRAIN	LD

WATER

EXISTING	PROPOSED
UNKNOWN	W
1 INCH	1" W
1-1/2 INCH	1-1/2" W
2 INCH	2" W
3 INCH	3" W
4 INCH	4" W
6 INCH	6" W
8 INCH	8" W
10 INCH	10" W
12 INCH	12" W
14 INCH	14" W
16 INCH	16" W
18 INCH	18" W
24 INCH	24" W
30 INCH	30" W
36 INCH	36" W
48 INCH	48" W
60 INCH	60" W
72 INCH	72" W
SERVICE LATERAL	W

IRRIGATION

EXISTING	PROPOSED
UNKNOWN	IRR
1 INCH	1" IRR
2 INCH	2" IRR
4 INCH	4" IRR
6 INCH	6" IRR
8 INCH	8" IRR
10 INCH	10" IRR
12 INCH	12" IRR
18 INCH	N/A
24 INCH	N/A
30 INCH	N/A
36 INCH	N/A
SERVICE LATERAL	IRR
IRRIGATION SLEEVE	IRR

COMMUNICATIONS

EXISTING	PROPOSED
OVERHEAD CABLE TV	CTV
UNDERGROUND CABLE TV	BCTV
OVERHEAD FIBER OPTIC	FO
UNDERGROUND FIBER OPTIC	BFO
OVERHEAD TELEPHONE	TEL
UNDERGROUND TELEPHONE	BTEL

POWER

EXISTING	PROPOSED
OVERHEAD	OHP
UNDERGROUND	BEL
2 INCH	2" BEL
3 INCH	3" BEL
4 INCH	4" BEL
6 INCH	6" BEL
8 INCH	8" BEL
10 INCH	10" BEL
1 PH A 1/0	A-1/0
1 PH A 4/0	A-4/0
1 PH B 1/0	B-1/0
1 PH B 4/0	B-4/0
1 PH C 1/0	C-1/0
1 PH C 4/0	C-4/0
3 PH ABC 4/0	ABC-4/0
3 PH ABC 750A	ABC-750
SECONDARY	SEC
STREET LIGHT	SL

GAS

EXISTING	PROPOSED
UNKNOWN	G
1 INCH	1" G
2 INCH	2" G
3 INCH	N/A
4 INCH	4" G
6 INCH	6" G
8 INCH	8" G
12 INCH	12" G
HIGH PRESSURE	HPG

MISCELLANEOUS

EXISTING	PROPOSED
UNKNOWN PIPE	JUT
JOINT UTILITY TRENCH	TOE
TOE OF SLOPE	TOP
TOP OF SLOPE	TOP
DIRECTIONAL FLOWLINE	4000
EDGE OF PAVEMENT	4002
GUARDRAIL	
RAILROAD TRACKS	
CONTOUR - MAJOR	
CONTOUR - MINOR	

SURFACE FEATURES

EXISTING/PROPOSED	DESCRIPTION
CUT	CUT LINE
FILL	FILL LINE
LOD	LIMITS OF DISTURBANCE
DITCH	DITCH
GB	GRADE BREAK
HWM	HIGH WATER MARK
HWM 1YR	HIGH WATER MARK - 1 YEAR EVENT
HWM 5YR	HIGH WATER MARK - 5 YEAR EVENT
HWM 10YR	HIGH WATER MARK - 10 YEAR EVENT
HWM 25YR	HIGH WATER MARK - 25 YEAR EVENT
HWM 50YR	HIGH WATER MARK - 50 YEAR EVENT
HWM 100YR	HIGH WATER MARK - 100 YEAR EVENT
X	FENCE - BARBED
- - -	FENCE - CHAIN LINK
- - - - -	FENCE - DECORATIVE
- - - - -	FENCE - WOOD
- - - - -	WALL - BLOCK
- - - - -	WALL - CONCRETE
- - - - -	WALL - PANEL
- - - - -	WALL - ROCK
RW	RIGHT OF WAY
---	CENTERLINE (ROAD/IDENTITY)
---	CURB & GUTTER
---	PARCEL LINE
---	PROPERTY BOUNDARY
---	EASEMENT AS NOTED
---	PAINT STRIPE - SOLID
---	PAINT STRIPE - DOUBLE SOLID
---	PAINT STRIPE - BROKEN
---	PAINT STRIPE - BIKE LANE INTERSECTION
---	PAINT STRIPE - LANE DROP
---	PAINT STRIPE - LANE LINE EXTENSION
---	TRAFFIC SIGNAL - DETECTION CONDUIT
---	TRAFFIC SIGNAL - FUTURE CONDUIT
---	TRAFFIC SIGNAL - LIGHTING CONDUIT
---	TRAFFIC SIGNAL - PEDESTRIAN CONDUIT
---	TRAFFIC SIGNAL - PUSH BUTTON CONDUIT
---	TRAFFIC SIGNAL - POWER SOURCE CONDUIT
---	TRAFFIC SIGNAL - SIGNAL CONDUIT

SITE PLAN HATCH PATTERNS

[Hatch]	BUILDING / PAD
[Hatch]	CONCRETE SIDEWALK / FLATWORK
[Hatch]	DECORATIVE BRICK / SIDEWALK / FLATWORK / LANDSCAPE AREAS
[Hatch]	POOL DECK
[Hatch]	XERISCAPE
[Hatch]	LANDSCAPE AREAS / GRASS
[Hatch]	HEAVY DUTY PAVEMENT SECTION
[Hatch]	LIGHT DUTY PAVEMENT SECTION
[Hatch]	ADA ACCESS RAMP TRUNCATED DOMES
[Hatch]	RIPRAP
[Hatch]	GRAVEL

EXISTING CONDITIONS & DEMO HATCH PATTERNS

[Hatch]	ASPHALT DEMO HATCH
[Hatch]	CONCRETE DEMO HATCH
[Hatch]	BUILDING DEMO HATCH
[Hatch]	CURB AND GUTTER DEMO
[Hatch]	LANDSCAPE DEMO

CONSTRUCTION KEYNOTE TAGS

P00	OR	P00	PROTECT IN PLACE
D00	OR	D00	DEMO PLAN
G1	OR	G1	GRADING PLAN
S1	OR	S1	SITE PLAN
W1	OR	W1	WATER
S5	OR	S5	SEWER
SD	OR	SD	STORM DRAIN
I1	OR	I1	IRRIGATION
C1	OR	C1	CABLE TV
T1	OR	T1	TELEPHONE
G1	OR	G1	GAS
P1	OR	P1	POWER
M1	OR	M1	MISCELLANEOUS

DETAIL REFERENCE

A	LINE 1
#	SCALE: NTS
---	SHEET C.# (REFERENCE LINE)
---	SHEET C.#
---	(TYPICAL SECTION DETAIL)

CALLOUTS

FFE:2752.84	FINISHED FLOOR ELEVATION
TBC:2752.85	TOP BACK CURB SPOT ELEVATION
#	ADDITIONAL SPOT ELEVATION CALLOUTS TO BE REFERENCED ON GRADING SHEET LEGEND
#	PARKING STALL COUNT

PIPE ABBREVIATIONS*

RCB	REINFORCED CONCRETE BOX CULVERT
RCEA	REINFORCED CONCRETE ELLIPTICAL ARCH PIPE
REC	REINFORCED CONCRETE ELLIPTICAL CULVERT
RVCC	REINFORCED CONCRETE VERTICAL ELLIPTICAL CULVERT
EGG	REINFORCED CONCRETE EGG SHAPED CULVERT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
VCP	VITRIFIED CLAY PIPE
CIP	CAST IRON PIPE
HDPPE	HIGH DENSITY POLYETHYLENE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
POLY	POLYETHYLENE

*ALL ABBREVIATIONS MAY NOT BE USED

STANDARD SYMBOLS

EXISTING	PROPOSED
[Symbol]	ELECTRICAL MANHOLE
[Symbol]	FIBER OPTIC MANHOLE
[Symbol]	TELEPHONE MANHOLE
[Symbol]	CABLE TV MANHOLE
[Symbol]	ELECTRICAL POWER POLE
[Symbol]	SIGNAL POLE
[Symbol]	ELECTRICAL BOX
[Symbol]	FIBER OPTIC BOX
[Symbol]	JUNCTION BOX
[Symbol]	TELEPHONE BOX
[Symbol]	TELEPHONE PEDESTAL
[Symbol]	CABLE TV BOX
[Symbol]	LIGHT POLE
[Symbol]	LIGHT POLE OPT 2
[Symbol]	LIGHT POLE OPT 3
[Symbol]	ELECTRICAL TRANSFORMER BOX
[Symbol]	GAS MANHOLE
[Symbol]	GAS METER
[Symbol]	CLEANOUT
[Symbol]	SEWER MANHOLE
[Symbol]	IRRIGATION MANHOLE
[Symbol]	IRRIGATION BOX
[Symbol]	WATER MANHOLE
[Symbol]	WATER METER
[Symbol]	WATER METER OPT 2
[Symbol]	BLOW-OFF
[Symbol]	FIRE HYDRANT
[Symbol]	FIRE HYDRANT OPT 2
[Symbol]	GATE VALVE
[Symbol]	GATE VALVE OPT 2
[Symbol]	CROSS
[Symbol]	TEE
[Symbol]	90° BEND
[Symbol]	45° BEND
[Symbol]	22.5° BEND
[Symbol]	11.25° BEND
[Symbol]	WYE
[Symbol]	REDUCER
[Symbol]	CAP & PLUG
[Symbol]	STORM DRAIN MANHOLE
[Symbol]	AREA DRAIN ROUND
[Symbol]	AREA DRAIN SQUARE
[Symbol]	DROP INLET
[Symbol]	CURB INLET
[Symbol]	CURB INLET OPT 2
[Symbol]	CURB INLET OPT 3
[Symbol]	CURB DOUBLE INLET
[Symbol]	CURB DOUBLE INLET OPT 2
[Symbol]	COMBO BOX
[Symbol]	OIL/WATER SAND/GREASE
[Symbol]	OIL/WATER SAND/GREASE OPT 2
[Symbol]	FLARED END PLAN
[Symbol]	FLARED END PROFILE
[Symbol]	FLARED END SECTION
[Symbol]	SIGN
[Symbol]	BOLLARD
[Symbol]	BORE HOLE
[Symbol]	TEST PIT
[Symbol]	BENCHMARK
[Symbol]	SECTION CORNER
[Symbol]	CONTROL POINT
[Symbol]	EX CONDITIONS CONTROL POINT
[Symbol]	ADA PARKING STALL

ABBREVIATIONS*

A	ALGEBRAIC GRADE CHANGE
ABC	AGGREGATE BASE COURSE
AC	ASPHALTIC CEMENT OR CONCRETE
BCR	BUILDING CORNER
BFE	BACK OF CURB RETURN
BFF	BASE FLOOR ELEVATION
BLDG	BASEMENT FINISH FLOOR
BM	BENCHMARK
BP	BEGIN POINT
BV	BUTTERFLY VALVE
BVC	BEGIN VERTICAL CURVE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
BVP	BEGIN VERTICAL PROFILE
BVW	BOTTOM OF VISIBLE E-WALL
C&G	CURB & GUTTER
CB	CATCH BASIN
CL	CENTERLINE
CLR	CLEAR
CO	CLEANOUT
CONC	CONCRETE
CU	COPPER
C.Y.	CUBIC YARD
DIA	DIAMETER
DWG	DRAWING
E	EAST OR EASTING
EA	EACH
EG	EXISTING GRADE/ GROUND
ELEV	ELEVATION
EOC	EDGE OF CONCRETE
EOP	EDGE OF PAVEMENT
EP	END POINT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EVF	END VERTICAL PROFILE
EX	EXISTING
FE	FLANGE END
FF	FINISHED FLOOR
FG	FINISHED GRADE
FJ	FLANGE JOINT
FL	FLOW LINE
FM	FORCE MAIN
FPS	FEET PER SECOND
FT	FOOT OR FEET
FUT	FUTURE
G	GAS LINE
GB	GRADE BREAK
GFF	GARAGE FINISHED FLOOR
GV	GATE VALVE
HGL	HYDRAULIC GRADE LINE
HIP	HIGH POINT
HRZ	HORIZONTAL
HWM	HIGH WATER MARK
ID	INSIDE DIAMETER
IN	INCHES
IRR	IRRIGATION (PRESSURIZED) NON-POTABLE
K	VERTICAL CURVE COEFFICIENT
L	LENGTH
LF	LINEAR FEET
LP	LOW POINT
L/S	LANDSCAPE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
ME	MATCH EXISTING
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MID	MIDDLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
N	NORTH OR NORTHING, FRICTION FACTOR
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHP	OVERALL HIGH POINT
OLVP	OVERALL LOW POINT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PH	PHASE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
Q	RATE OF FLOW
R	RADIUS
REV	REVISION
RT	RIGHT
R/W	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SEC	SECTION
SF	SQUARE FOOT/ FOOTAGE
SL	STREET LIGHT
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SVE	SIGHT VISIBILITY EASEMENT
SW	SIDEWALK
TA	TOP OF ASPHALT
TBC	TOP BACK OF CURB
TBCD	TOP BACK OF DEPRESSED CURB
TBM	TEMPORARY BENCHMARK
TC	TOP OF CONCRETE
TEMP	TEMPORARY
TF	TOP OF FOOTING
TG	TOP OF GRATE
TWB	TOP BACK OF WALL
TWF	TOP FRONT/FACE OF WALL
TWR	TOP OF WALL - RETAINING
TW	TOP OF WALL
TYP	TYPICAL
U	UNTREATED BASE COURSE
UTC	VELOCITY
V	VERTICAL CURVE
VRT	VERTICAL
W	WITH
WMH	WATER MANHOLE
WTR	WATER

ALL ABBREVIATIONS MAY NOT BE USED

HORROCKS ENGINEERS
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DRAWING INFO	REVISIONS
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DRAWN: JR	
CHECKED: JTS	
PROJECT: ID-9305-24	

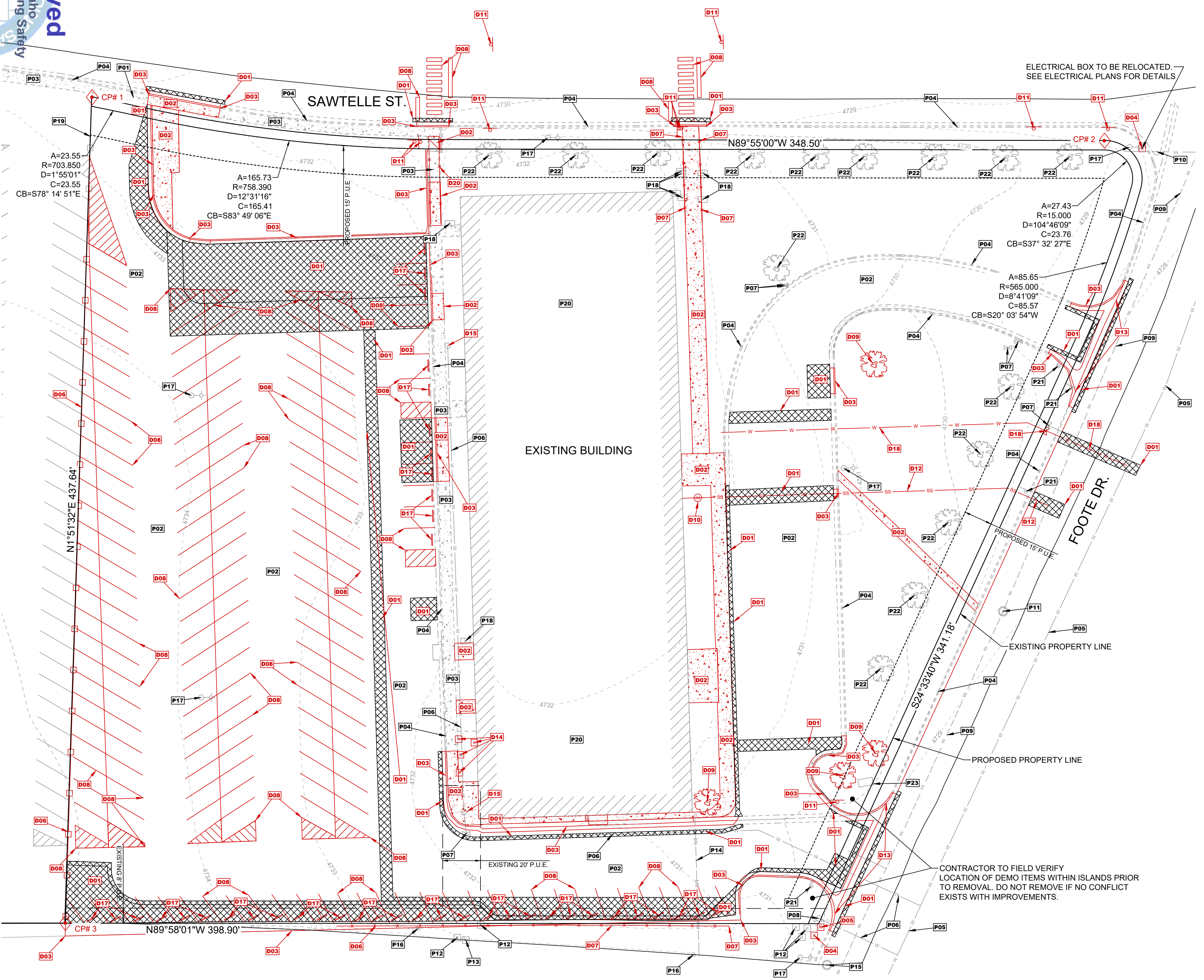
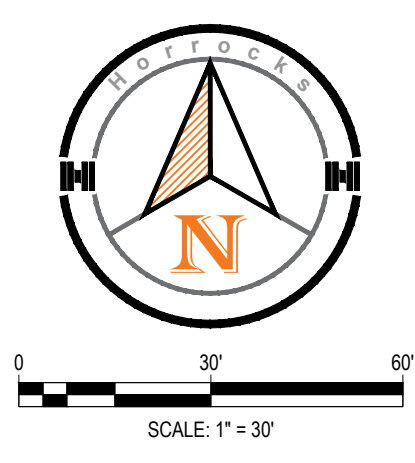
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 LICENSED
 21876
 10/04/2024
 STATE OF IDAHO
 JAVIER RAMIREZ

ISP DISTRICT 6 REMODEL
 1155 FOOTE DR IDAHO FALLS, IDAHO 83402
LEGEND

C.1.2

These Documents are approved for construction on the compliance with the mark-ups and notes applied.

Approved
 State of Idaho
 Division of Building Safety



PROTECT IN PLACE NOTES:

- P01 EXISTING APPROACH
- P02 EXISTING ASPHALT
- P03 EXISTING CONCRETE SIDEWALK
- P04 EXISTING CURB
- P05 EXISTING WATER MAINLINE
- P06 EXISTING WATER SERVICE LINE
- P07 EXISTING WATER GATE VALVE
- P08 EXISTING FIRE HYDRANT
- P09 EXISTING SANITARY SEWER MAINLINE
- P10 EXISTING SANITARY SEWER SERVICE LINE
- P11 EXISTING SANITARY SEWER MANHOLE
- P12 EXISTING ELECTRICAL BOX
- P13 EXISTING FIBER OPTICS BOX
- P14 EXISTING BURIED FIBER OPTICS LINE
- P15 EXISTING TELECOMMUNICATIONS MANHOLE
- P16 EXISTING POWER POLE
- P17 EXISTING LIGHT POLE
- P18 EXISTING IRRIGATION BOX
- P19 EXISTING FENCE
- P20 EXISTING BUILDING
- P21 EXISTING SIGN
- P22 EXISTING TREE
- P23 EXISTING MONUMENT SIGN

DEMOLITION KEY NOTES:

- D001 EXISTING ASPHALT
- D002 EXISTING CONCRETE SIDEWALK
- D003 EXISTING CONCRETE CURB
- D004 EXISTING ELECTRICAL BOX (REMOVE AND RELOCATE)
- D005 EXISTING FIBER OPTICS BOX (REMOVE AND RELOCATE)
- D006 EXISTING FENCE
- D007 EXISTING GUARDRAIL
- D008 EXISTING PARKING STRIPING
- D009 EXISTING TREE
- D010 EXISTING CLEANOUT
- D011 EXISTING SIGN
- D012 EXISTING SANITARY SEWER SERVICE LINE
- D013 EXISTING APPROACH
- D014 REMOVE EXISTING TRANSFORMERS & ELECTRICAL (SEE ELECTRICAL PLANS FOR UPDATED DESIGN)
- D015 EXISTING POST INDICATOR VALVE
- D016 REMOVE AND RELOCATE EXISTING SIGN. REFER TO SITE PLAN
- D017 EXISTING WHEEL STOP
- D018 EXISTING WATER SERVICE LINE
- D019 EXISTING WATER GATE VALVE
- D020 EXISTING BOLTED DOWN GUARDRAIL. REMOVE AND SALVAGE FOR FUTURE REINSTALLATION

NOTE:

CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ITEMS LISTED UNDER THE DEMOLITION KEY NOTES UNLESS MARKED AS 'REMOVE AND RELOCATE'. INFORMATION ON ITEMS THAT ARE TO BE REMOVED AND RELOCATED IS FOUND ON SUBSEQUENT SHEETS. NOTIFY ENGINEER OF ANY DIFFERING CONDITIONS OR DISCREPANCIES.

BASIS OF BEARING
 ALL MEASURED BEARINGS SHOWN HEREON RELATE DIRECTLY TO THE "CITY OF IDAHO FALLS COORDINATE SYSTEM OF 2004", WHICH IS DERIVED FROM THE IDAHO STATE PLANE COORDINATE SYSTEM (EAST ZONE 1101) US SURVEY FEET AND USING A COMBINED SCALE FACTOR OF 1.00027265 FOR A GRID TO GROUND CONVERSION, [REFERENCE FRAME NAD_83(2011), EPOCH 2010.0000]. THE SYSTEM ORIENTATION IS BASED ON GRID NORTH ALONG THE EAST ZONE CENTRAL MERIDIAN. NO CONVERGENCE ANGLE HAS BEEN APPLIED.

SURVEY NOTE
 THIS SITE PLAN IS DESIGNED TO CONFORM WITH AN ACTUAL SURVEY THAT WAS PERFORMED ON THE GROUND BY A LAND SURVEYOR LICENSED BY THE STATE OF IDAHO. THE BOUNDARY LINES OF THE SURVEY ARE SHOWN HEREON WITH BEARINGS AND DISTANCES. IT IS THE OWNER'S/DEVELOPER'S RESPONSIBILITY TO CONSTRUCT ALL STRUCTURES SHOWN ON THIS SITE PLAN IN ACCORDANCE WITH SAID SURVEY.

CONTROL POINTS CP#

CP#1
 ELEV: 4732.53'
 N: 670795.5180'
 E: 684419.9380'
 FOUND: REBAR WITH CAP

CP#2
 ELEV: 4728.70'
 N: 670772.3770'
 E: 684955.8100'
 FOUND: REBAR WITH CAP

CP#3
 ELEV: 4735.12'
 N: 670358.3210'
 E: 684406.0250'
 FOUND: REBAR WITH CAP

SHEET NOTE

- CONTRACTOR TO VERIFY ALL UTILITY SIZES, LOCATIONS & ELEVATIONS PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION.
- ALL SUBSURFACE ITEMS DESIGNATED FOR REMOVAL SHALL BE REPLACED WITH FILL MATERIAL PER PROJECT GEOTECHNICAL REPORT. CONTRACTOR TO VERIFY AREAS WHERE UNCONTROLLED FILL MAY NEED TO BE FURTHER MITIGATED BY RECOMPACTION. SAID MATERIAL SHALL BE COMPACTED PER SPECIFICATIONS SET FORTH IN PROJECT GEOTECHNICAL REPORT BY MTI, FILE NUMBER E240445S AND DATED 04/10/2024.
- CONTOURS ARE SHOWN AT 1' AND 5' INTERVALS.

- VERTICAL CONTROL DATUM BASED ON NAVD88

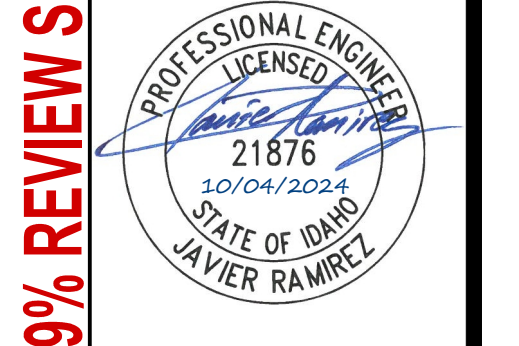
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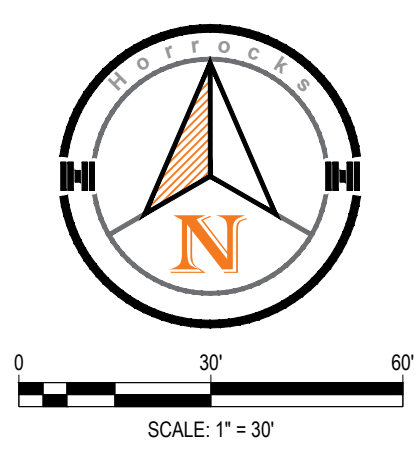
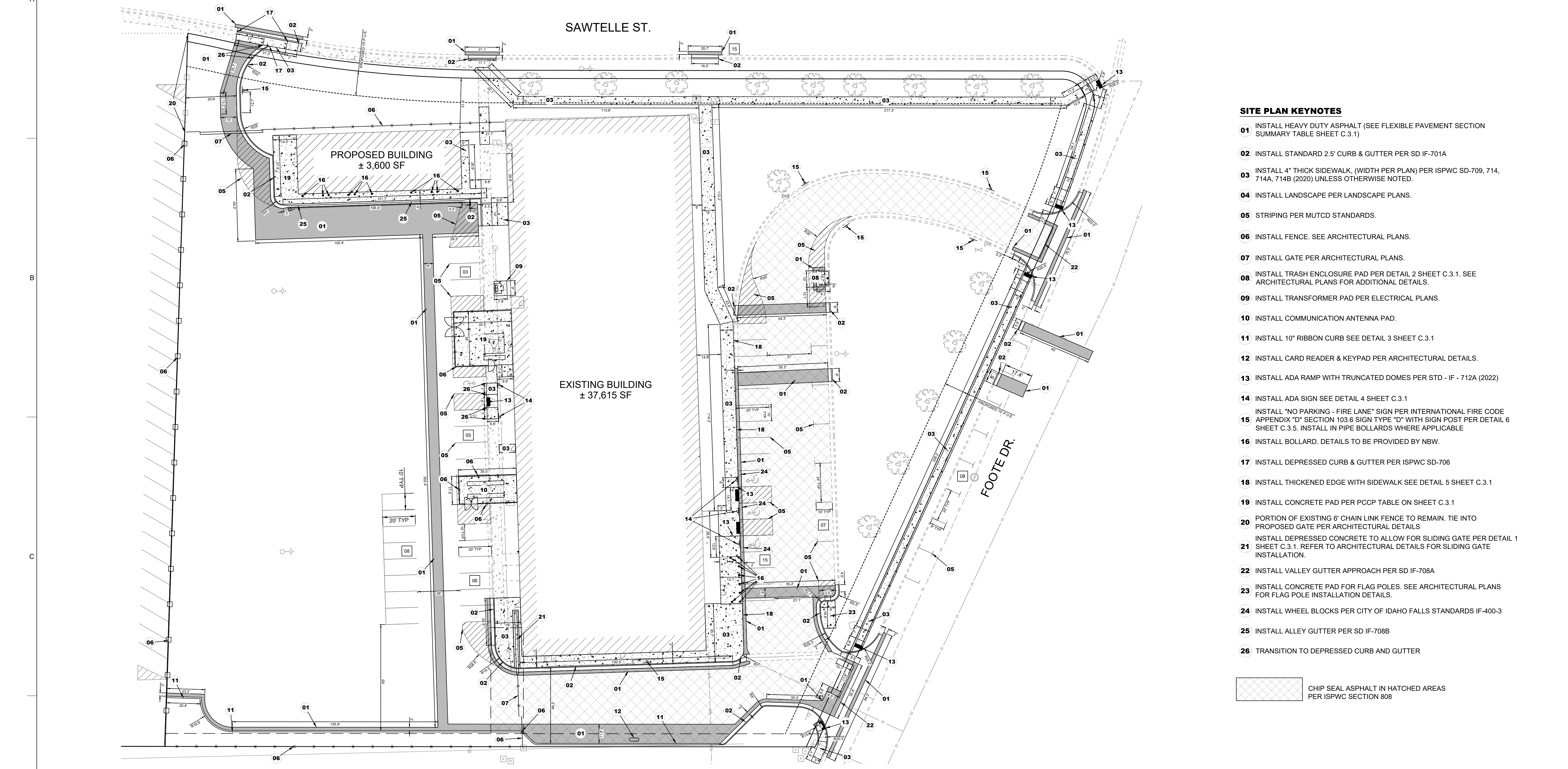
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 1155 FOOTE DR IDAHO FALLS, IDAHO 83402

EXISTING CONDITIONS & DEMO

C.2.0

PAGE 4

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SITE PLAN KEYNOTES

- 01 INSTALL HEAVY DUTY ASPHALT (SEE FLEXIBLE PAVEMENT SECTION SUMMARY TABLE SHEET C.3.1)
- 02 INSTALL STANDARD 2.5' CURB & GUTTER PER SD IF-701A
- 03 INSTALL 4" THICK SIDEWALK, (WIDTH PER PLAN) PER ISPWC SD-709, 714, 714A, 714B (2020) UNLESS OTHERWISE NOTED.
- 04 INSTALL LANDSCAPE PER LANDSCAPE PLANS.
- 05 STRIPING PER MUTCD STANDARDS.
- 06 INSTALL FENCE. SEE ARCHITECTURAL PLANS.
- 07 INSTALL GATE PER ARCHITECTURAL PLANS.
- 08 INSTALL TRASH ENCLOSURE PAD PER DETAIL 2 SHEET C.3.1. SEE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS.
- 09 INSTALL TRANSFORMER PAD PER ELECTRICAL PLANS.
- 10 INSTALL COMMUNICATION ANTENNA PAD.
- 11 INSTALL 10" RIBBON CURB SEE DETAIL 3 SHEET C.3.1
- 12 INSTALL CARD READER & KEYPAD PER ARCHITECTURAL DETAILS.
- 13 INSTALL ADA RAMP WITH TRUNCATED DOMES PER STD - IF - 712A (2022)
- 14 INSTALL ADA SIGN SEE DETAIL 4 SHEET C.3.1
- 15 INSTALL "NO PARKING - FIRE LANE" SIGN PER INTERNATIONAL FIRE CODE APPENDIX "D" SECTION 103.6 SIGN TYPE "D" WITH SIGN POST PER DETAIL 6 SHEET C.3.5. INSTALL IN PIPE BOLLARDS WHERE APPLICABLE
- 16 INSTALL BOLLARD. DETAILS TO BE PROVIDED BY NBW.
- 17 INSTALL DEPRESSED CURB & GUTTER PER ISPWC SD-706
- 18 INSTALL THICKENED EDGE WITH SIDEWALK SEE DETAIL 5 SHEET C.3.1
- 19 INSTALL CONCRETE PAD PER PCCP TABLE ON SHEET C.3.1
- 20 PORTION OF EXISTING 6' CHAIN LINK FENCE TO REMAIN. TIE INTO PROPOSED GATE PER ARCHITECTURAL DETAILS
- 21 INSTALL DEPRESSED CONCRETE TO ALLOW FOR SLIDING GATE PER DETAIL 1 SHEET C.3.1. REFER TO ARCHITECTURAL DETAILS FOR SLIDING GATE INSTALLATION.
- 22 INSTALL VALLEY GUTTER APPROACH PER SD IF-708A
- 23 INSTALL CONCRETE PAD FOR FLAG POLES. SEE ARCHITECTURAL PLANS FOR FLAG POLE INSTALLATION DETAILS.
- 24 INSTALL WHEEL BLOCKS PER CITY OF IDAHO FALLS STANDARDS IF-400-3
- 25 INSTALL ALLEY GUTTER PER SD IF-708B
- 26 TRANSITION TO DEPRESSED CURB AND GUTTER

CHIP SEAL ASPHALT IN HATCHED AREAS PER ISPWC SECTION 808

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*SEE GENERAL NOTES SHEET

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ISP DISTRICT 6 REMODEL

1155 FOOTE DR IDAHO FALLS, IDAHO 83402

SITE PLAN

C.3.0

PAGE 5

Approved
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 Division of Building Safety
 These Documents are approved
 contingent on the compliance with the
 mark-ups and notes applied.
 This approval shall not be construed to be
 an approval of any violation of, or variance
 from, Idaho's adopted codes, standards,
 laws or rules applicable to this project.

CLASSIFICATION	LIGHT DUTY	HEAVY DUTY
ASPHALTIC CONCRETE	2.5"	3.0"
CRUSHED AGGREGATE BASE	4.0"	4.0"
STRUCTURAL SUBBASE	8.0"	12.0"
SUBGRADE PREPARATION (MAX LIFT PER GEOTECHNICAL REPORT)	SEE PAVEMENT SUBGRADE PREPARATION SECTION	SEE PAVEMENT SUBGRADE PREPARATION SECTION

NOTES:
 -FLEXIBLE PAVEMENT SPECIFICATIONS ARE PER GEOTECHNICAL REPORT PREPARED BY ATLAS, FILE NUMBER E240445G AND DATED APRIL 10, 2024
 -IT WILL BE REQUIRED FOR ATLAS PERSONNEL TO VERIFY SUBGRADE COMPETENCY AT THE TIME OF CONSTRUCTION

MATERIAL SPECIFICATIONS:

ASPHALTIC CONCRETE: ASPHALT MIX SHALL MEET THE REQUIREMENTS OF THE ISPCW, SECTION 810 CLASS III PLANT MIX. MATERIALS SHALL BE PLACED IN ACCORDANCE WITH ISPCW STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

AGGREGATE BASE: MATERIAL COMPLYING WITH ISPCW STANDARDS FOR CRUSHED AGGREGATE MATERIALS

STRUCTURAL SUBBASE: GRANULAR STRUCTURAL FILL MATERIAL COMPLYING WITH THE REQUIREMENTS DETAILED IN THE THE STRUCTURE FILL SECTION OF THE GEOTECHNICAL REPORT (PREPARED BY ATLAS DATED APRIL 10, 2024) EXCEPT THAT THE MAXIMUM MATERIAL DIAMETER IS NO MORE THAN 1/2 THE COMPONENT THICKNESS. GRADATION AND SUITABILITY REQUIREMENTS SHALL BE PER ISPCW SECTION 901, TABLE 1.

PORTLAND CEMENT CONCRETE PAVEMENT	6.0 INCHES
CRUSHED AGGREGATE BASE	6.0 INCHES
STRUCTURAL SUBBASE	NOT REQUIRED
COMPACTED SUBGRADE	SEE PAVEMENT SUBGRADE PREPARATION SECTION

NOTES:
 -FLEXIBLE PAVEMENT SPECIFICATIONS ARE PER GEOTECHNICAL REPORT PREPARED BY ATLAS, FILE NUMBER E240445G AND DATED APRIL 10, 2024
 -IT WILL BE REQUIRED FOR ATLAS PERSONNEL TO VERIFY SUBGRADE COMPETENCY AT THE TIME OF CONSTRUCTION

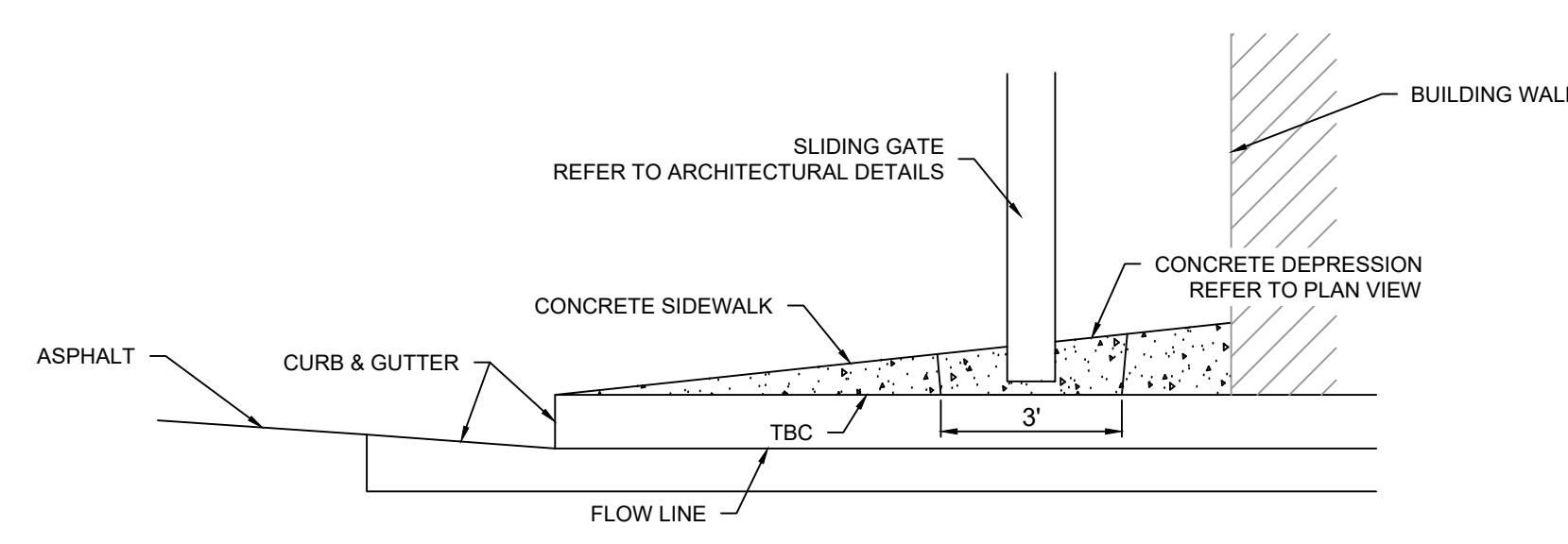
RIGID PAVEMENT SECTION:
 THE AASHTO PAVEMENT DESIGN METHOD WAS USED TO DEVELOP THE FOLLOWING RIGID CONCRETE PAVEMENT SECTION. CONCRETE PAVEMENT SHALL BE BATCHED AND CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT AMERICAN CONCRETE INSTITUTE STANDARDS AND IN ACCORDANCE WITH IDAHO TRANSPORTATION DEPARTMENT STANDARD DRAWINGS C-1-A AND C-1-B. NATIVE SUBGRADE SOILS ON THE SITE ARE FROST SUSCEPTIBLE, AND THEREFORE, REQUIRE JOINTS SEALERS OR UNDER-DRAINS.

MATERIAL SPECIFICATIONS:
 PORTLAND CEMENT CONCRETE: 4,000 PSI CONCRETE WITH A MODULUS OF RUPTURE GREATER THAN 650 PSI GENERALLY COMPLYING WITH ITD REQUIREMENT FOR URBAN CONCRETE.
 CRUSHED AGGREGATE BASE: MATERIAL COMPLYING WITH ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SECTION 303 AND 703 FOR AGGREGATES.
 STRUCTURAL SUBBASE: GRANULAR STRUCTURAL FILL MATERIAL COMPLYING WITH THE REQUIREMENTS DETAILED IN THE THE STRUCTURE FILL SECTION OF THE ORIGINAL GEOTECHNICAL REPORT (PREPARED BY ATLAS DATED APRIL 10, 2024) EXCEPT THAT THE MAXIMUM MATERIAL DIAMETER IS NO MORE THAN 1/2 THE COMPONENT THICKNESS. GRADATION AND SUITABILITY SHALL BE PER TABLE 1, ISPCW.

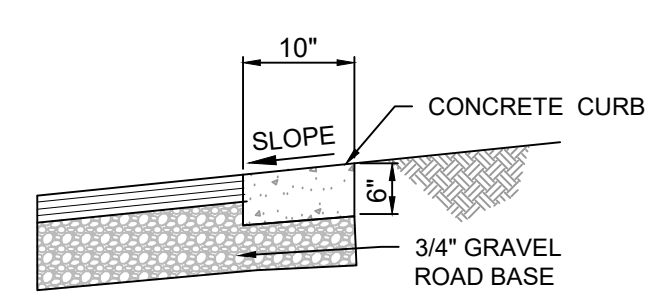
REQUIREMENTS	REQUIRED	PROVIDED
PARKING STALLS	55	47
ADA STALLS	5	5
UNMARKED STREET PARKING	-	15
TOTAL	60	67

NOTES:
 1 STALLS/600 SF OF BUILDING
 1 ADA STALL/25 PARKING STALLS

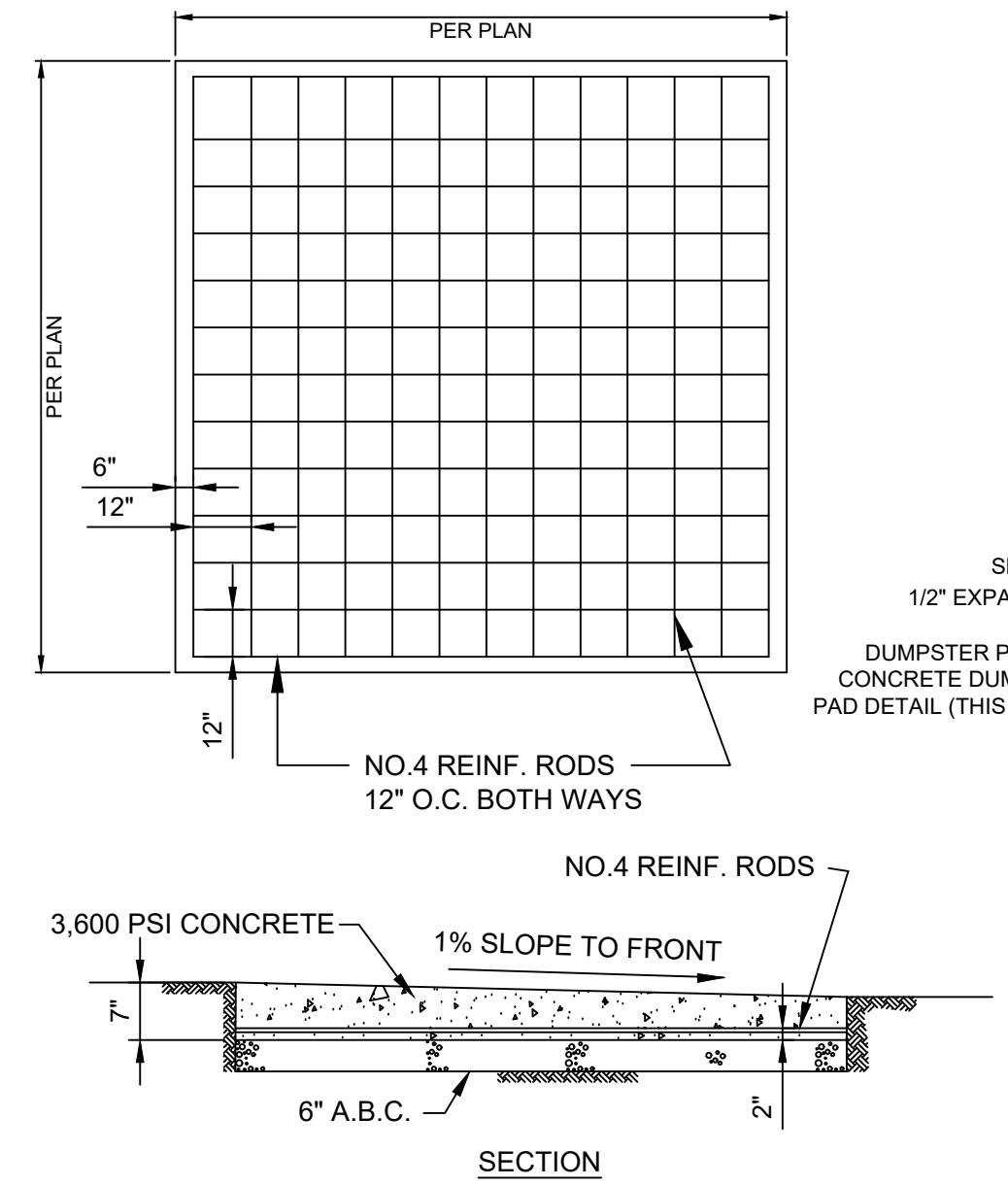
PARKING STALL COUNT
 ADA PARKING STALL



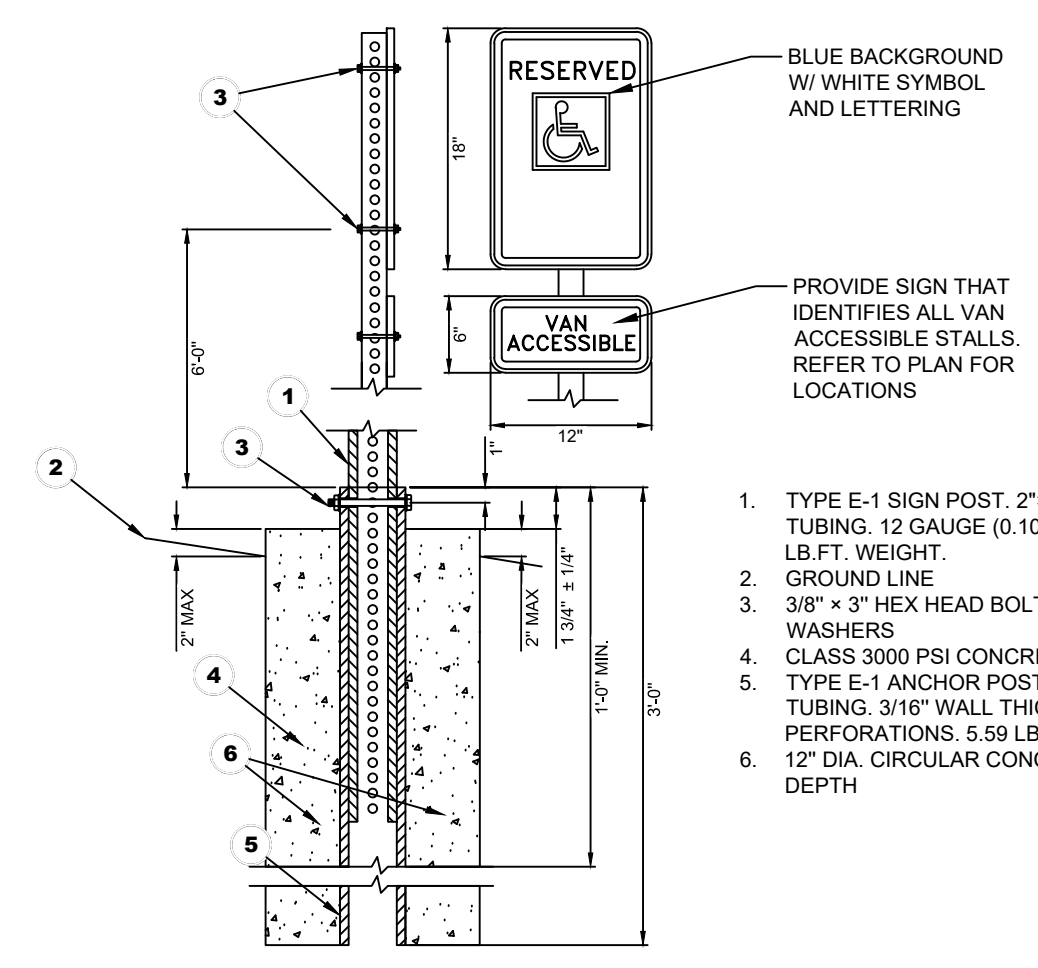
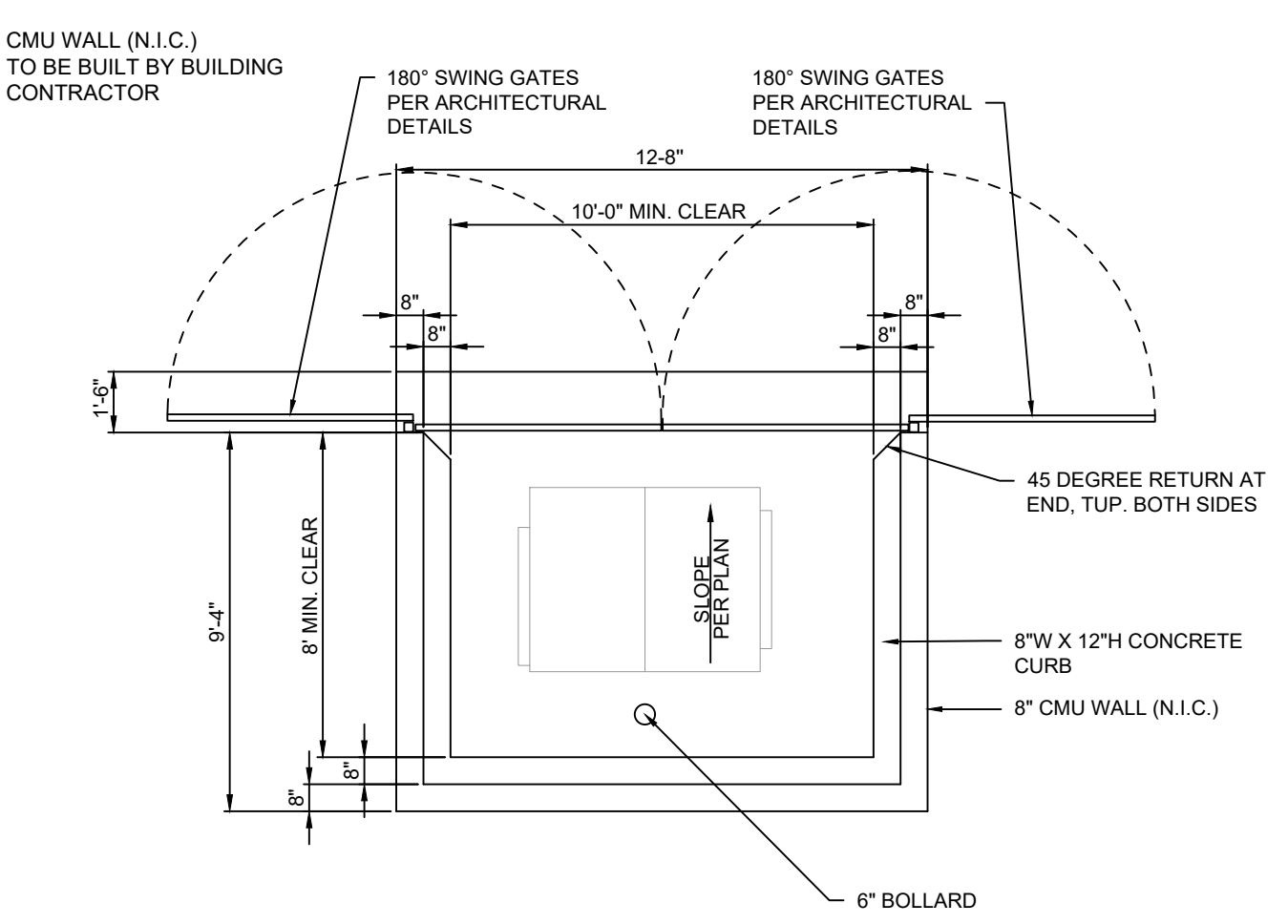
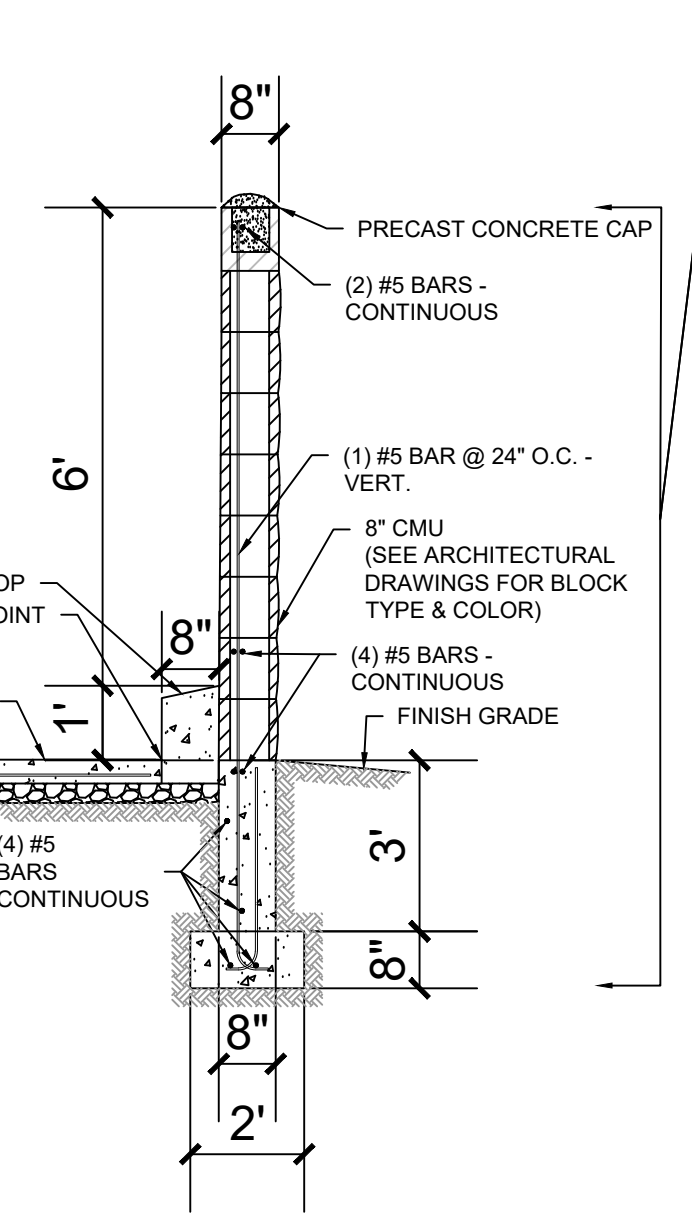
1 DEPRESSED CONCRETE FOR SLIDING GATE
 C.3.1 SCALE: NTS



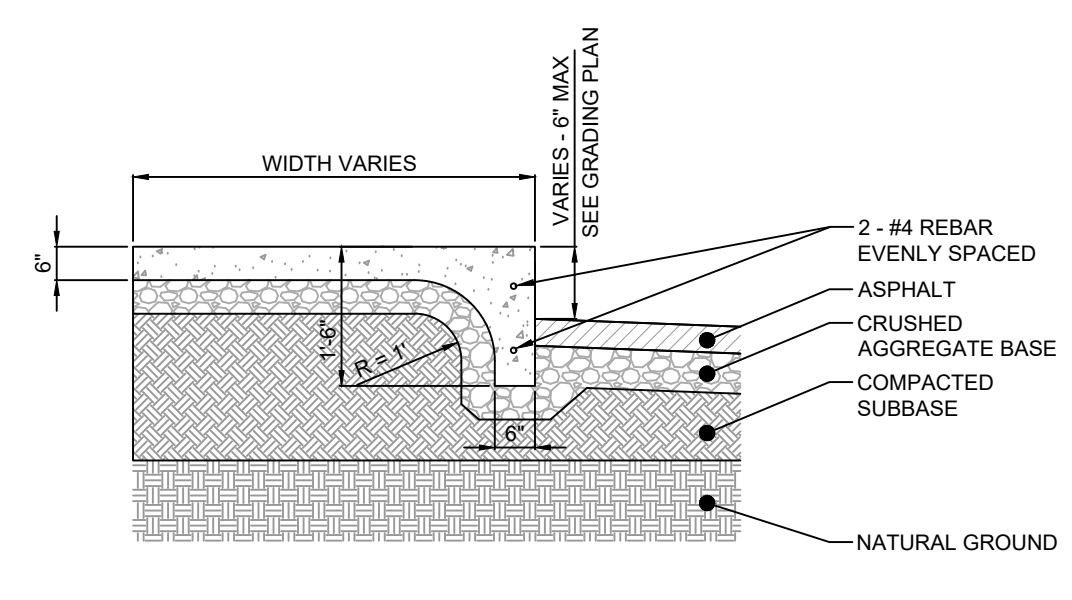
3 RIBBON CURB
 C.3.0 SCALE: NTS



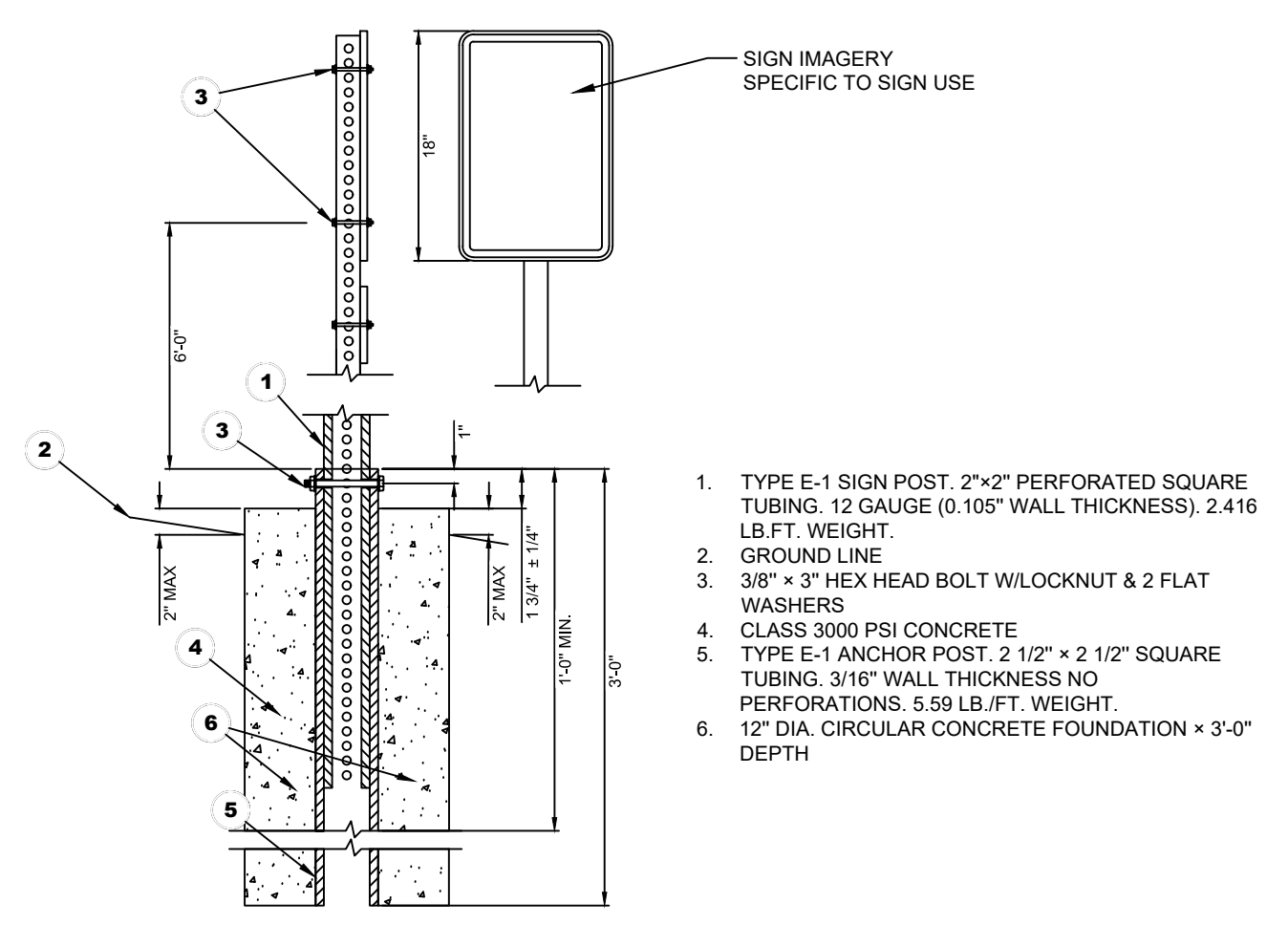
2 TRASH ENCLOSURE PLAN (SINGLE BIN)
 C.3.1 SCALE: NTS



4 TYPICAL HANDICAP SIGN DETAIL
 C.3.1 SCALE: NTS



5 6" THICKENED EDGE SIDEWALK
 C.3.0 SCALE: NTS



6 TYPICAL SIGN DETAIL
 C.3.1 SCALE: NTS

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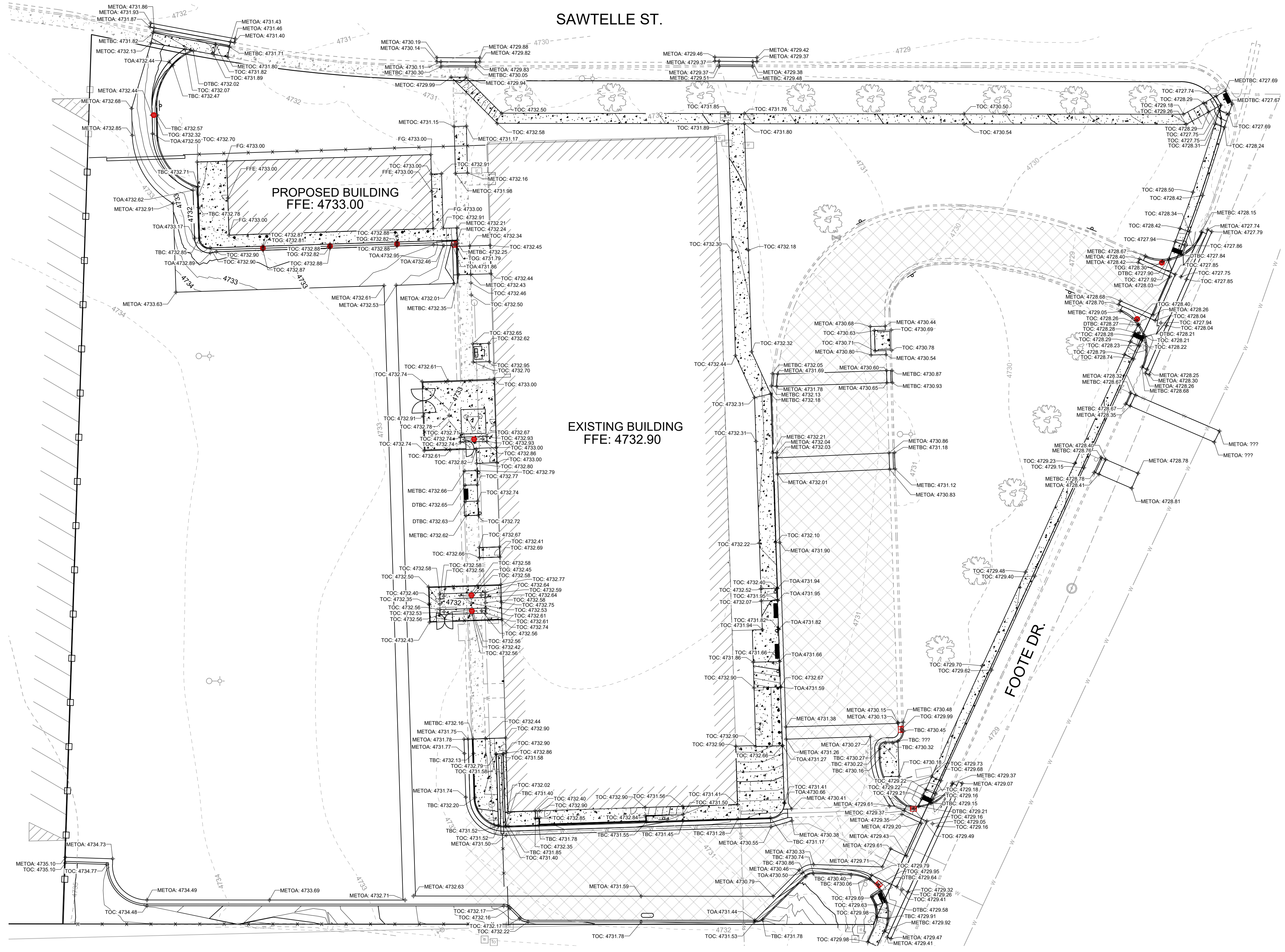
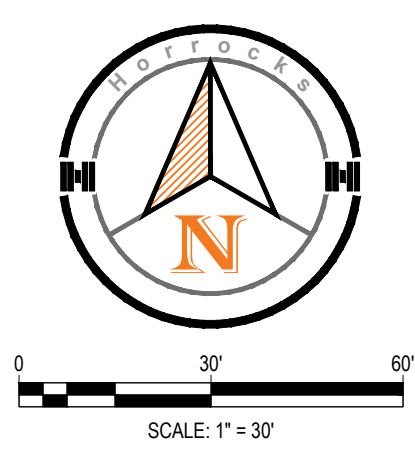
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 STATE OF IDAHO
 JAVIER RAMIREZ

ISP DISTRICT 6 REMODEL
 1155 FOOTE DR IDAHO FALLS, IDAHO 83402
 SITE PLAN DETAILS

C.3.1

These Documents are approved in compliance with the applicable codes, standards, rules or rules applicable to this project.



LEGEND

TOA: TOP OF ASPHALT
 METOA: MATCH EXISTING TOP OF ASPHALT
 TBC: TOP BACK OF CURB
 DTBC: DEPRESSED TOP BACK OF CURB
 METBC: MATCH EXISTING TOP BACK CURB
 TOC: TOP OF CONCRETE
 METOC: MATCH EXISTING TOP OF CONCRETE
 FFE: FINAL FLOOR ELEVATION
 FG: FINISH GRADE
 FL: FLOW LINE
 METDTC: MATCH EXISTING DEPRESSED TOP BACK OF CURB
 TOG: TOP OF GRATE

SHEET NOTE

-CONTOURS SHOWN AT 1.0' AND 5.0' INTERVALS
 -ALL ELEVATIONS ARE FG
 -NOT ALL LABELS LISTED ABOVE ARE USED

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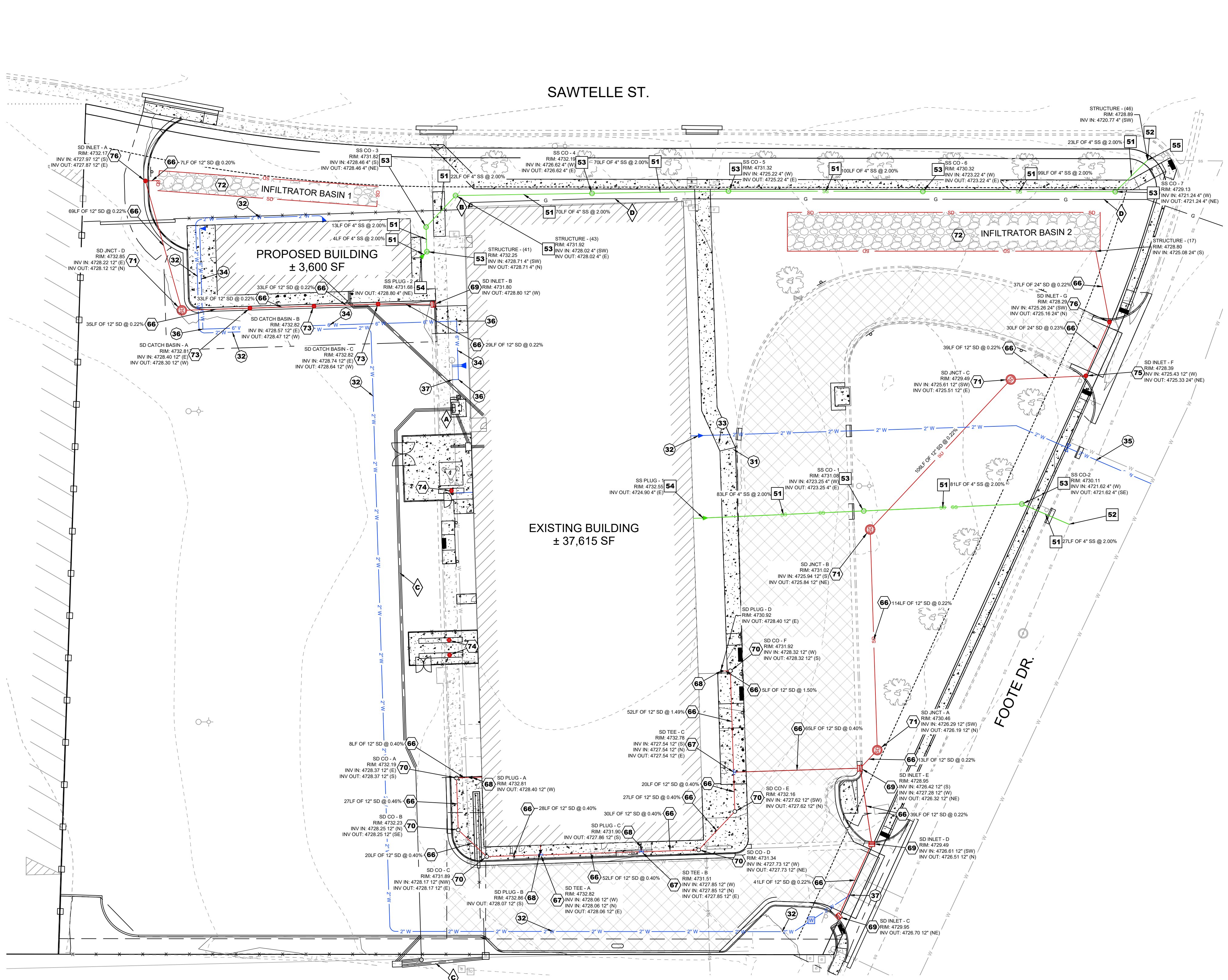
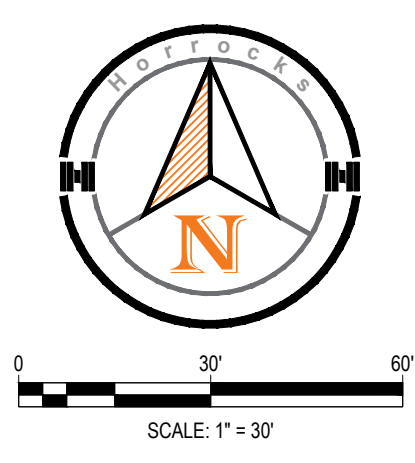
SEE GENERAL NOTES SHEET

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ISP DISTRICT 6 REMODEL
 1155 FOOTE DR IDAHO FALLS, IDAHO 83402
GRADING PLAN

C.4.0

PAGE 7



WATER KEYNOTES

- 31 POT HOLE TO VERIFY LOCATION OF EXISTING WATER SERVICE (SHOWN APPROXIMATE). TIE INTO EXISTING WATER SERVICE. TIE-IN POINT TO BE BEHIND EXISTING CURB.
- 32 INSTALL 2" COMMERCIAL WATER SERVICE PER STD IF-401B AND IF-401D OPT 4, CAP AND MARK TO SURFACE. SEE ARCHITECTS PLANS FOR CONTINUATION (INCLUDES CURB STOP AND METER PIT)
- 33 RE-ROUTE EXISTING WATER SERVICE AS NEEDED TO UPDATED POINT OF CONNECTION. INSTALL ANY ADDITIONAL 2" WATER SERVICE PER STD IF - 401B (2022). CAP AND MARK (TO SURFACE) SEE ARCHITECTS PLANS FOR CONTINUATION
- 34 INSTALL 6" FIRE SERVICE WATER LINE PER STD IF-401D (2022). CAP AND MARK (TO SURFACE) SEE ARCHITECTS PLANS FOR CONTINUATION
- 35 POTABLE & NON-POTABLE VERTICAL LINE CROSSING PER ISPWC SD-407, MINIMUM 1.5' VERTICAL SEPARATION
- 36 INSTALL 90° 6" DI ELBOW W/ THRUST BLOCK PER ISPWC SD-403
- 37 CONNECT TO EXISTING FIRE SERVICE LINE.

SEWER KEYNOTES

- 51 INSTALL 4" SANITARY SEWER SERVICE PER STD IF-511 (2022). PIPE LENGTH AND SLOPE PER PLANS. INSTALL CAP AND MARK (TO SURFACE) SEE ARCHITECTS PLANS FOR CONTINUATION
- 52 CONNECT TO EXISTING SANITARY SEWER MAIN. CONTRACTOR TO FIELD VERIFY LOCATION.
- 53 INSTALL SEWER CLEANOUT PER IF - 508B (2022)
- 54 INSTALL CAP AND MARK (TO SURFACE) SEE ARCHITECTS PLANS FOR CONTINUATION
- 55 INSTALL 45° 4" SDR 35 PVC BEND

STORM DRAIN KEYNOTES

- 66 INSTALL STORM DRAIN PIPE. LENGTH, SIZE AND SLOPE OF PIPE PER PLANS
- 67 INSTALL STORM DRAIN TEE, SIZE PER PLAN
- 68 INSTALL MARK AND PLUG FOR ROOF DRAIN & BUILDING CONNECTIONS PER DETAIL 1, SHEET C.5.1
- 69 INSTALL STORM DRAIN CURB CATCH BASIN PER STD IF-604-A (2010)
- 70 INSTALL STORM DRAIN CLEAN OUT WITH TRAFFIC RATED LID WHEN IN ASPHALT
- 71 INSTALL STORM DRAIN MANHOLE PER ISPWC SD-501A
- 72 INSTALL STORMTECH MC-4500 UNDERGROUND INFILTRATOR BED PER DETAILS AND DIMENSIONS SHOWN
- 73 INSTALL 30" STORM DRAIN CATCH BASIN W/ REINFORCED CONCRETE COLLAR AND CIRCULAR SLOTTED GRATE
- 74 INSTALL VRF UNIT CONDENSATE DRY WELL PER DETAIL 2 SHEET C.5.1
- 75 INSTALL 48" MANHOLE WITH SLOTTED GRATE PER ISPWC SD-501A.
- 76 INSTALL 48" MANHOLE WITH SLOTTED GRATE PER ISPWC SD-501A. INCLUDE INVERTED SNOT PER SHEET C.5.1 DETAIL 3

DRY UTILITY KEY NOTES:

- A LOCATION OF PROPOSED TRANSFORMER. SEE ELECTRICAL PLANS FOR DETAILS.
- B PROPOSED GAS METER. SEE MECHANICAL PLANS FOR DETAILS.
- C UNDERGROUND POWER. SEE ELECTRICAL PLANS FOR DETAILS.
- D GAS SERVICE (BY OTHERS). LOCATION SHOWN IS APPROXIMATE. COORDINATE INSTALLATION PRIOR TO CONSTRUCTION WITH INTERMOUNTAIN GAS.

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DRAINAGE & UTILITIES

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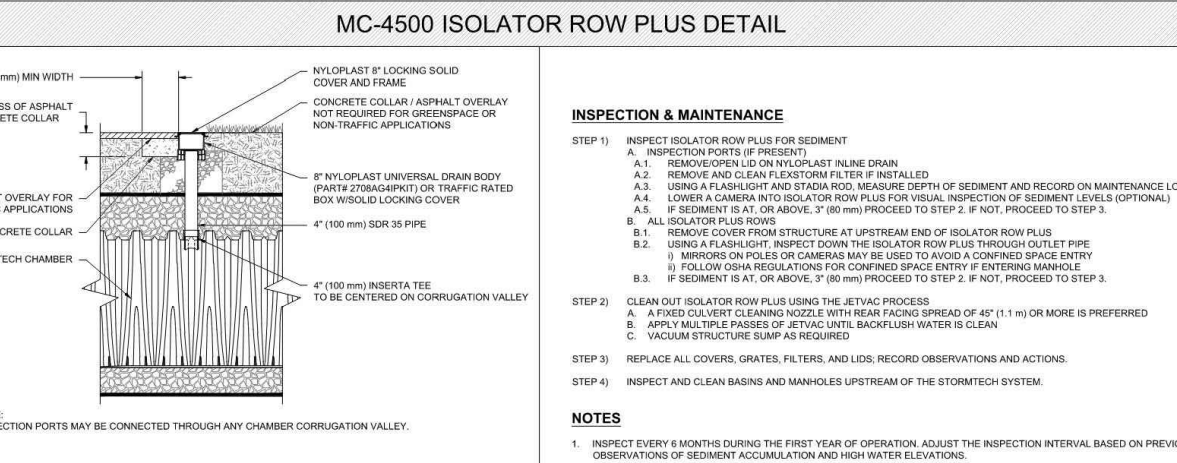
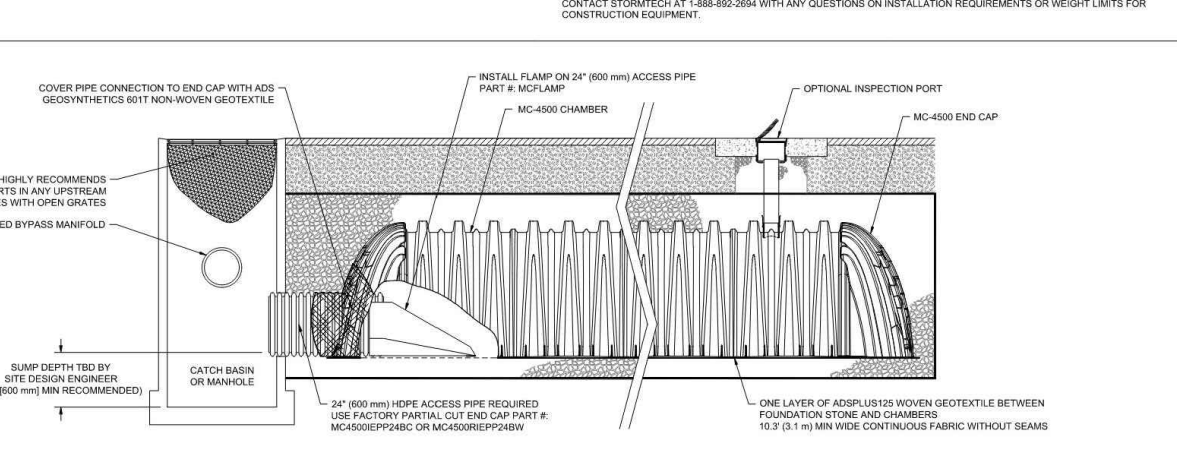
Approved State of Idaho Division of Building Safety

These Documents are approved... mark-ups and notes applied.

AD Approved State of Idaho Division of Building Safety



MC-4500 STORMTECH CHAMBER SPECIFICATIONS
1. CHAMBERS SHALL BE MANUFACTURED BY ADS...
2. CHAMBERS SHALL BE MANUFACTURED FROM IMPACT MODIFIED POLYPROPYLENE...



4" PVC INSPECTION PORT DETAIL (MC SERIES CHAMBER)

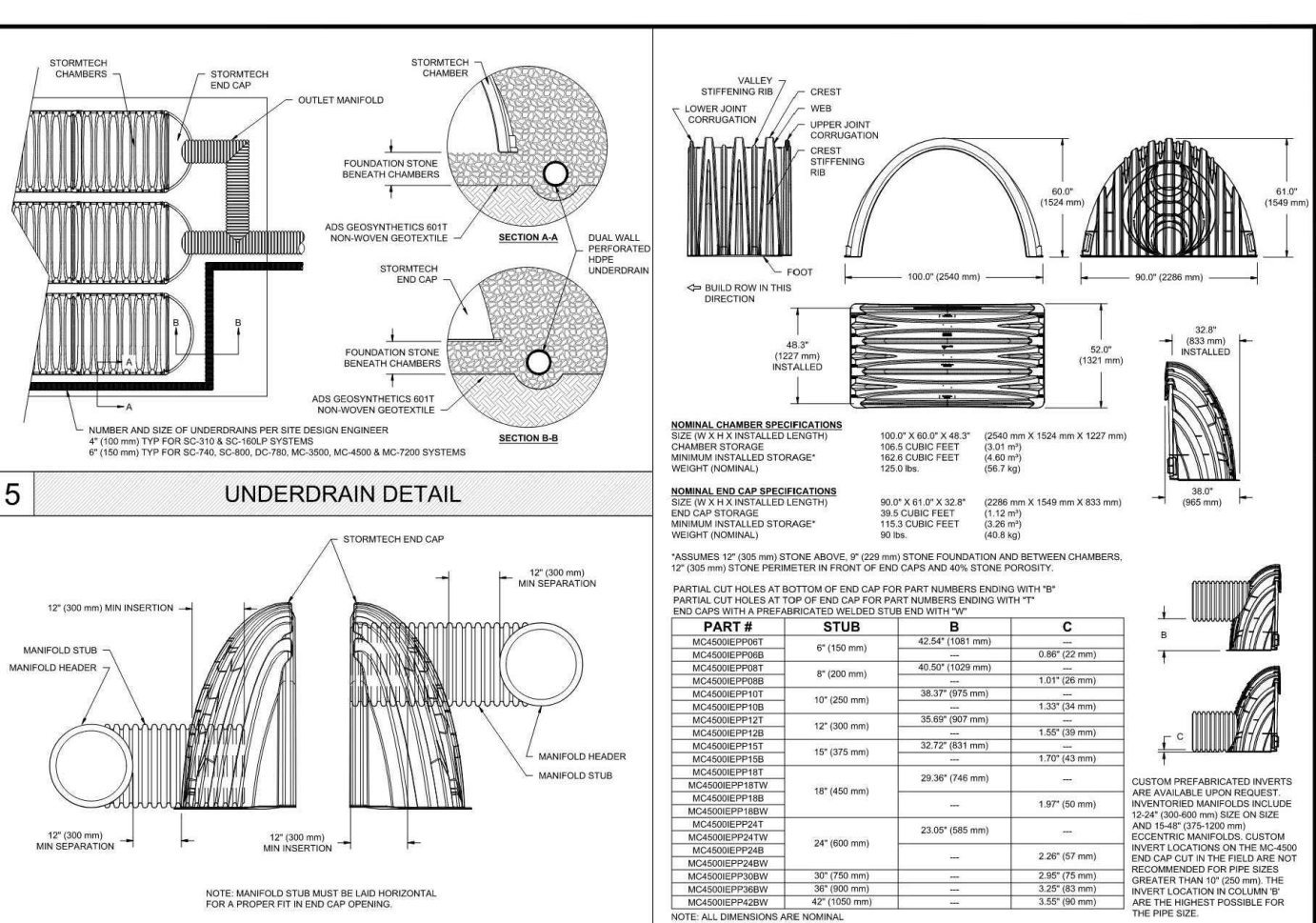
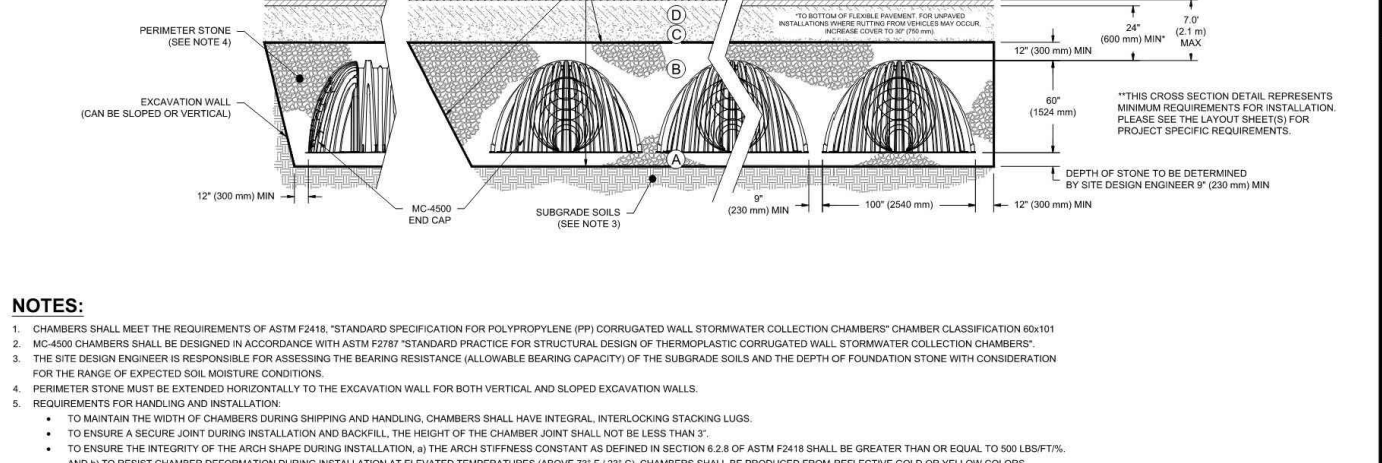


Table with 4 columns: Material Location, Description, ASBTO Material Classification, Compaction / Density Requirement.

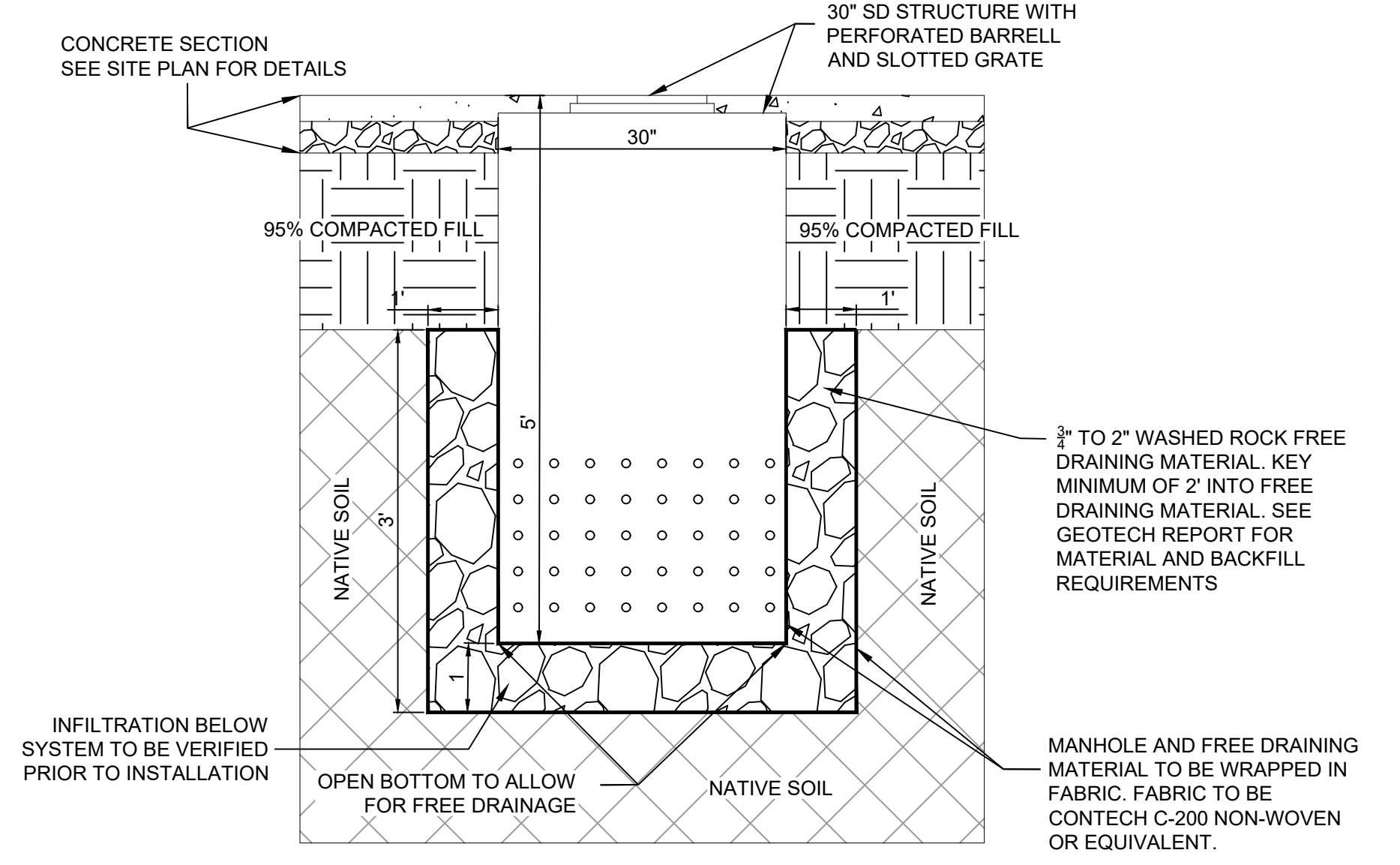


MC-4500 CROSS SECTION DETAIL

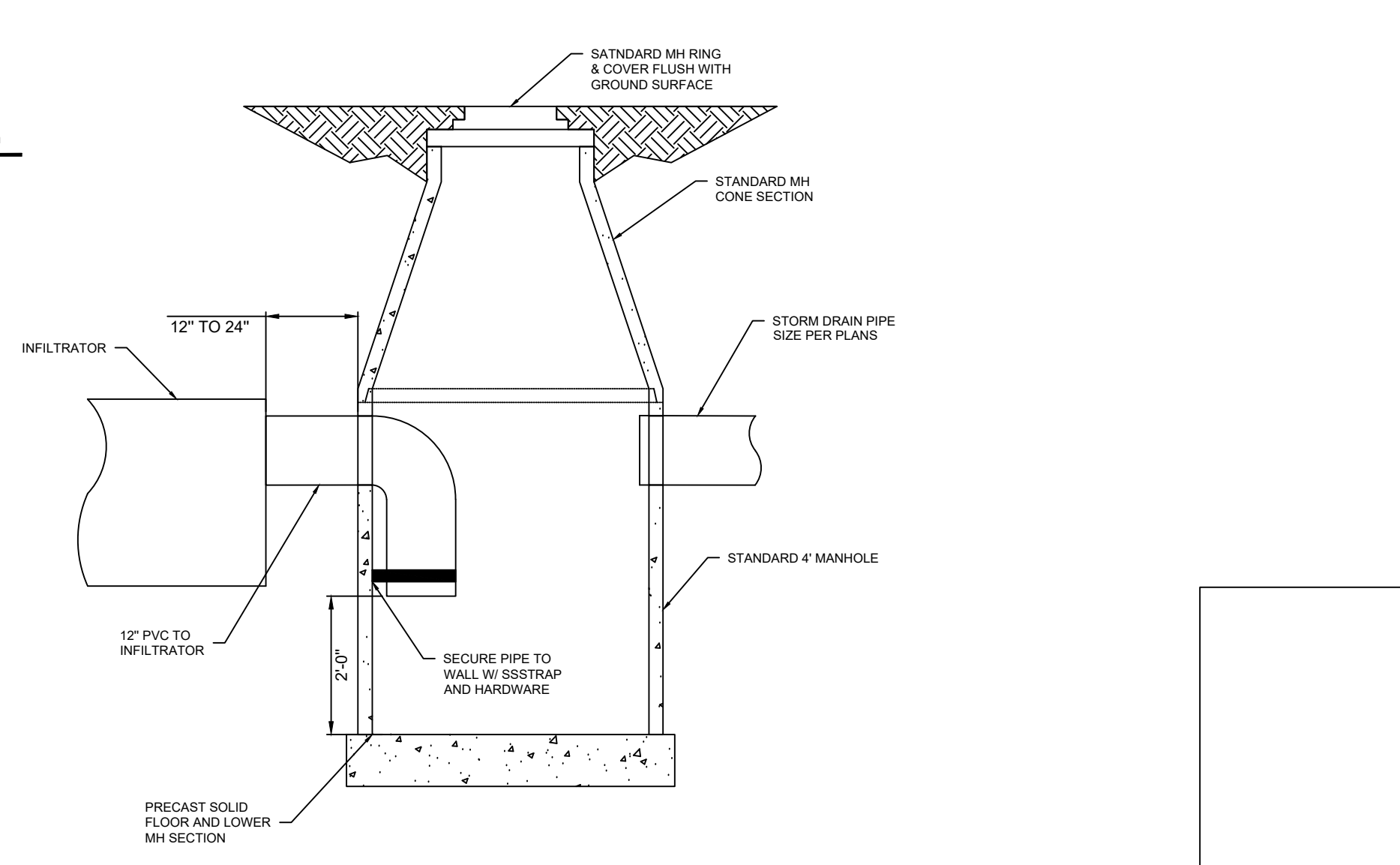
STANDARD DETAILS SHEET 1

ADS User Inputs and Results for Chamber Model MC-4500. Includes System Volume and Bed Size, System Components, and detailed cross-section diagrams.

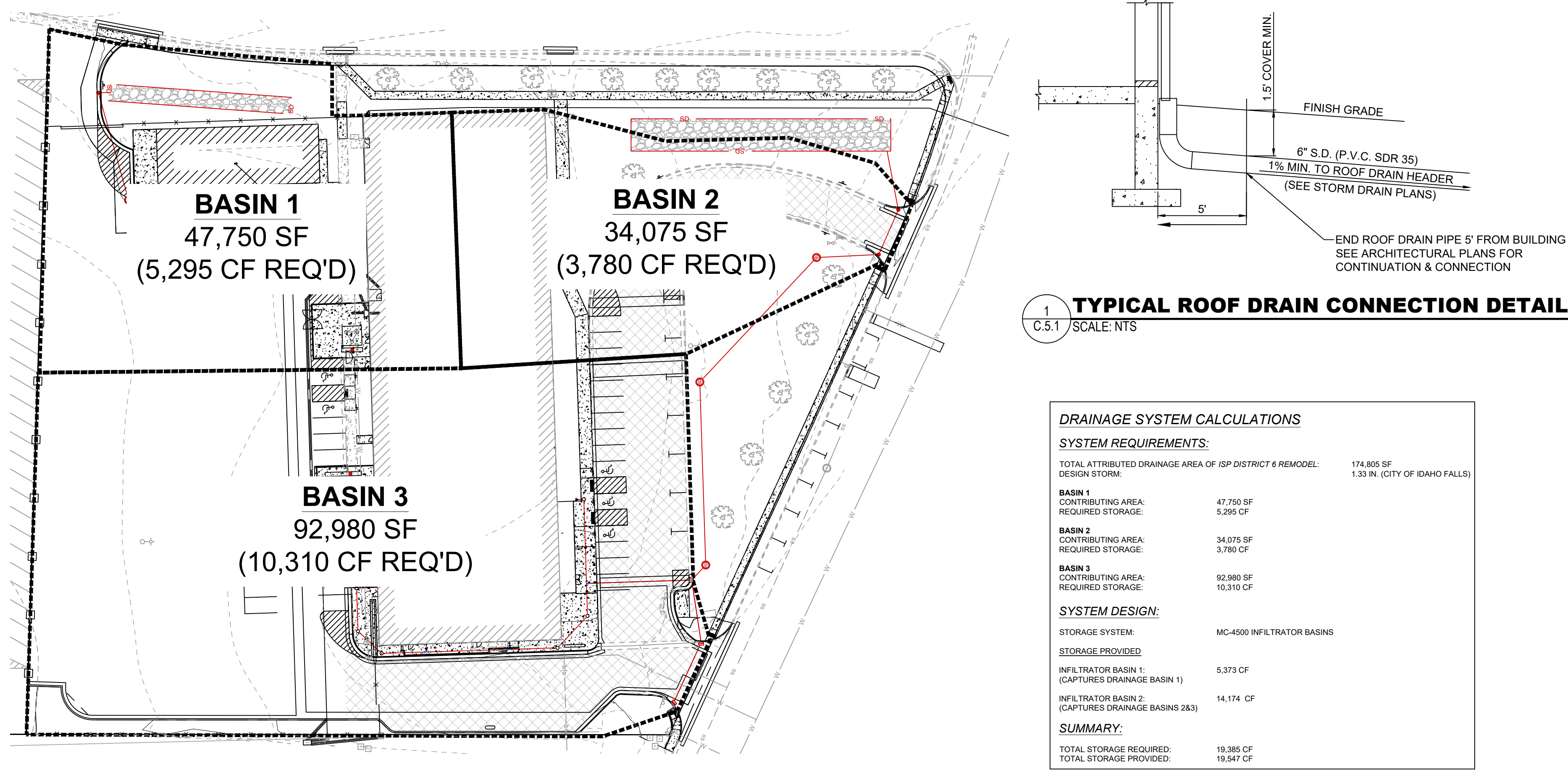
ADS User Inputs and Results for Chamber Model MC-4500. Includes System Volume and Bed Size, System Components, and detailed cross-section diagrams.



2 VRF CONDENSATE DRY WELL SCALE: NTS



3 INFILTRATOR DRAIN SCALE: NTS



Drainage System Calculations Table. Includes System Requirements, System Design, Storage System, Storage Provided, Infiltrator Basin 1, Infiltrator Basin 2, and Summary.

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HORROCKS ENGINEERS logo and contact information: 2194 Snake River Pkwy, Suite 205, Idaho Falls, ID 83402.

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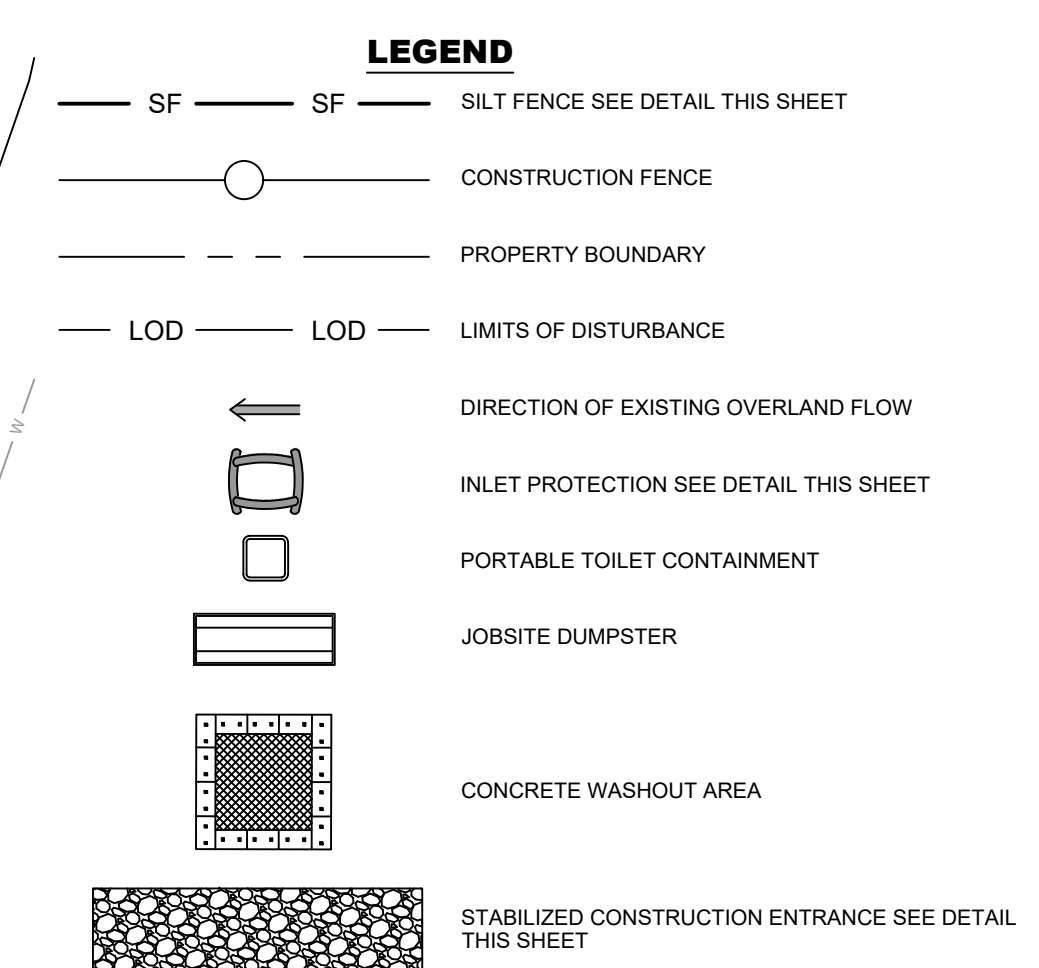
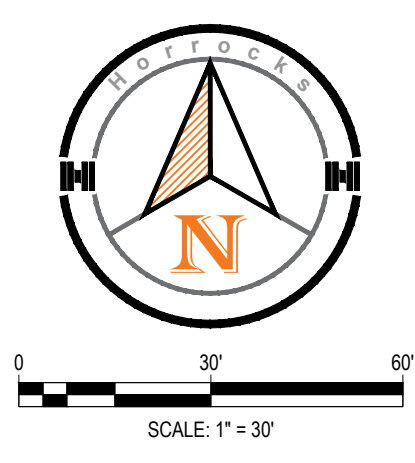
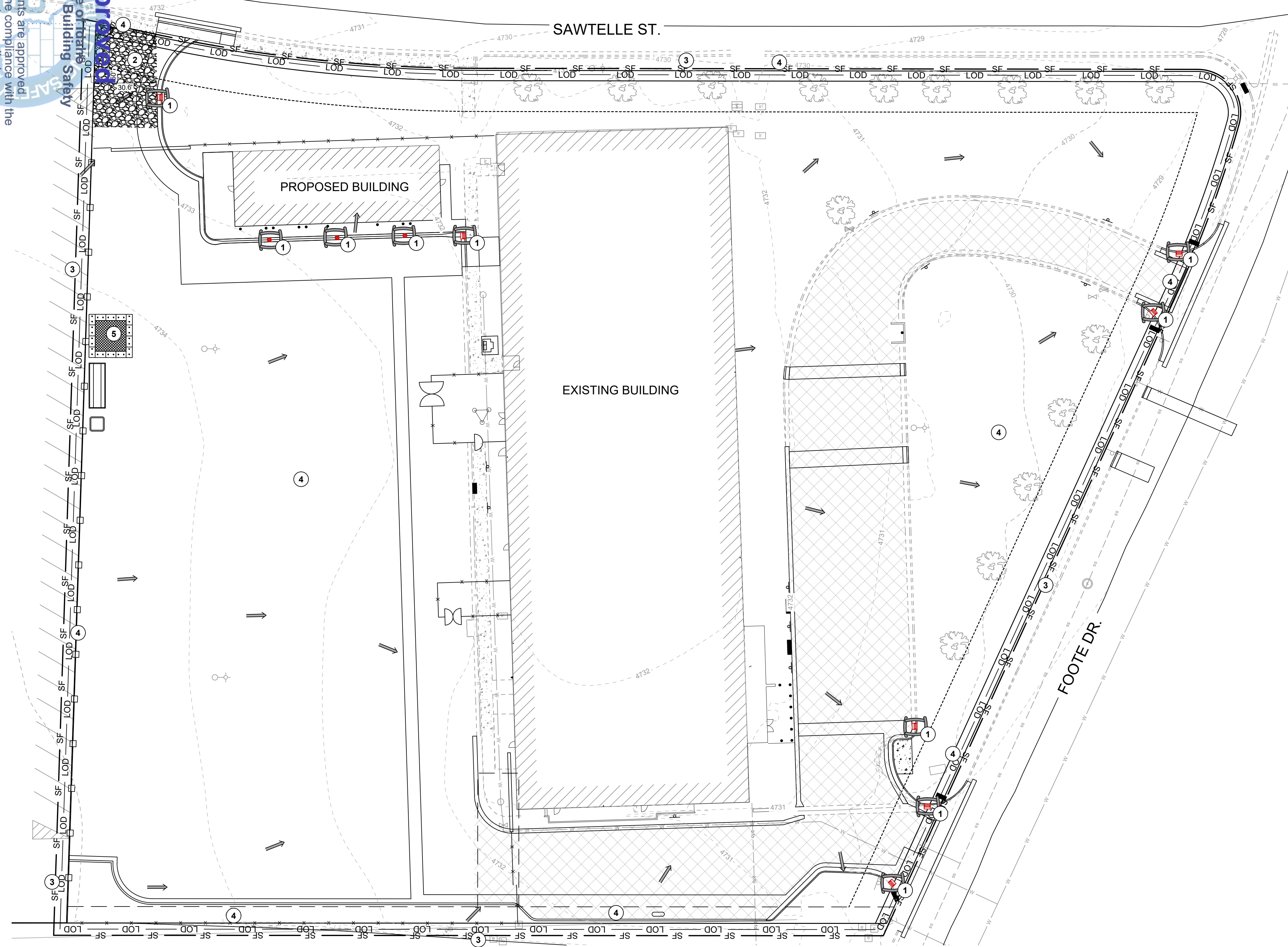
Revisions table with columns: Revisions, Rev #, Date, and initials.

Professional Engineer License for Javier Ramirez, State of Idaho, License No. 21876.

ISP DISTRICT 6 REMODEL 1155 FOOTE DR IDAHO FALLS, IDAHO 83402 DRAINAGE & UTILITIES DETAILS

C.5.1 logo and page number 9.

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- INSTALL TEMPORARY INLET PROTECTION AT STORM DRAIN INLETS. 2 BAGS HIGH PER BMP31. ALL SILT TO BE REMOVED REGULARLY (FOR EXISTING AND PROPOSED INLETS)
- STABILIZED CONSTRUCTION ENTRANCE PER APWA 126 AT ENTRANCES AS SHOWN.
- CONSTRUCT SILT FENCE/PRESERVATION PER BMP 63-68
- PROVIDE DUST CONTROL FOR ENTIRE SITE.
- CONCRETE WASHOUT AREA

NOTE: SEE LANDSCAPE PLAN FOR FINAL STABILIZATION

EROSION CONTROL NOTES

- BMP NEEDS FOR STORM WATER RUNOFF FOR A PARTICULAR AREA WILL BE DETERMINED WHEN A NEW STRUCTURE IS PROPOSED FOR CONSTRUCTION.
- IT IS NOT INTENDED FOR THE SITE TO RECEIVE ANY ONCOMING FLOW FROM OUTSIDE SOURCES NOT CONTAINED IN EXISTING FLOW STRUCTURES.
- FIELD MARK LIMITS OF DISTURBANCE FOR APPROVAL BY LOCAL AUTHORITY AND OBTAIN APPROPRIATE STORM WATER MANAGEMENT PERMIT.
- INSTALL SILT FENCE AND/OR ENVIRONMENTAL FENCE AROUND PERIMETER OF PROJECT AS INDICATED ON THIS PLAN SHEET.
- INSTALL SEDIMENT CONTROL MEASURES INDICATED IN ALL EXISTING STORM DRAIN INLETS ADJACENT TO THE CONSTRUCTION SITE.
- CONTRACTOR WILL BEGIN DEMOLITION, GRADING, EXCAVATION, AND CONSTRUCTING SITE UTILITY IMPROVEMENTS AS NEW DRAINAGE ELEMENTS ARE COMPLETED, CONSTRUCT SEDIMENT PROTECTION AT ALL NEW INLETS
- AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE STABILIZED WITH NATIVE GRASS MATERIAL OUTSIDE THE STREET RIGHT OF WAY AND PAVEMENT AREAS OF PARKING AND DRIVEWAY AREAS. SITE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE COMPLETED WITHIN 14 DAYS OF FINISHING AN AREA TO THE FINAL LINES AND GRADES INDICATED ON THE GRADING PLAN.
- LANDSCAPE ESTABLISHMENT. REMOVE TEMPORARY MEASURES AND CLEAN STORM DRAIN SYSTEM PRIOR TO RELEASING SYSTEM TO PROJECT OWNER.
- THE BMPs AND SITE WILL BE MONITORED REGULARLY. ANY ADDITIONAL BMPs THAT ARE NEEDED WILL BE DETERMINED DURING REGULAR INSPECTIONS AND INSTALLED ACCORDING TO SPECIFICATIONS.
- CONTRACTOR TO UTILIZE STABILIZED CONSTRUCTION ENTRANCE FOR VEHICLE TIRE WASH, AS NECESSARY.

APPROXIMATE QUANTITY SUMMARY

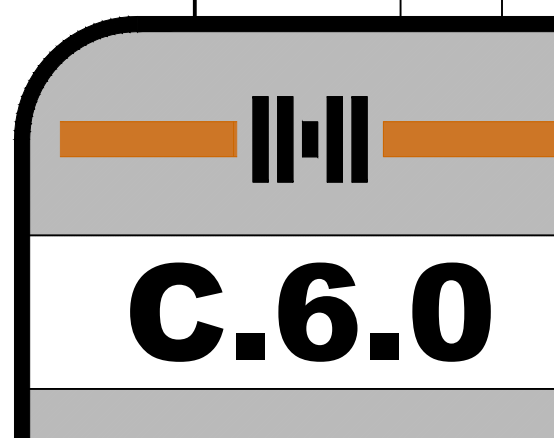
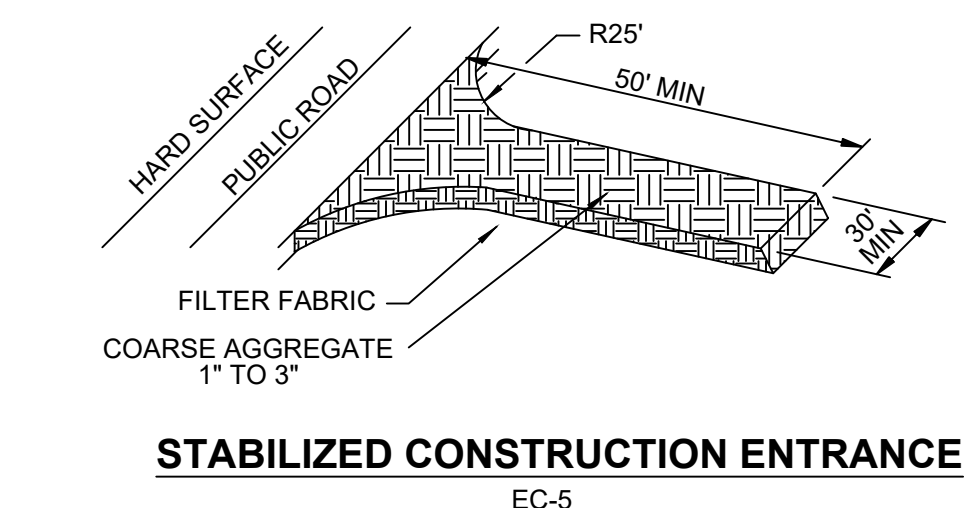
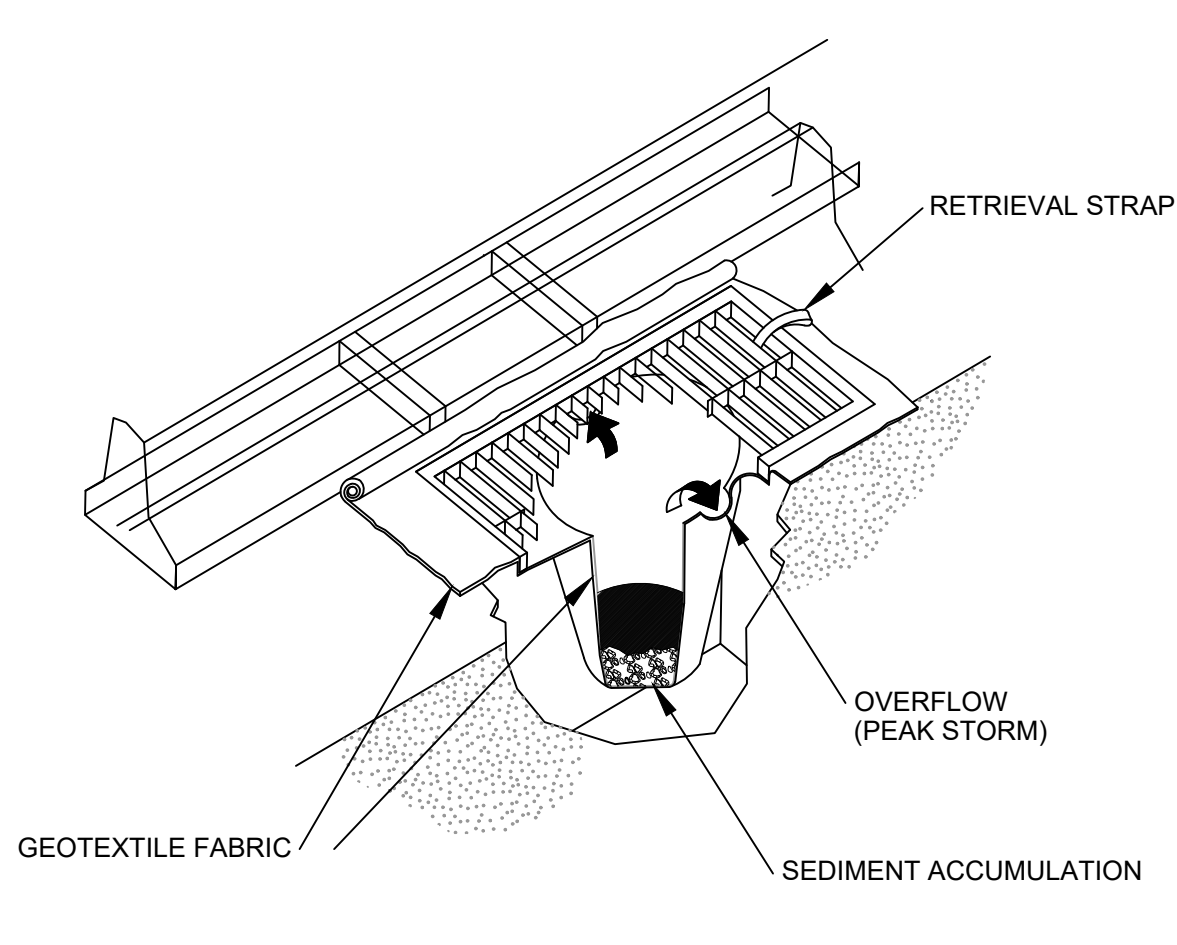
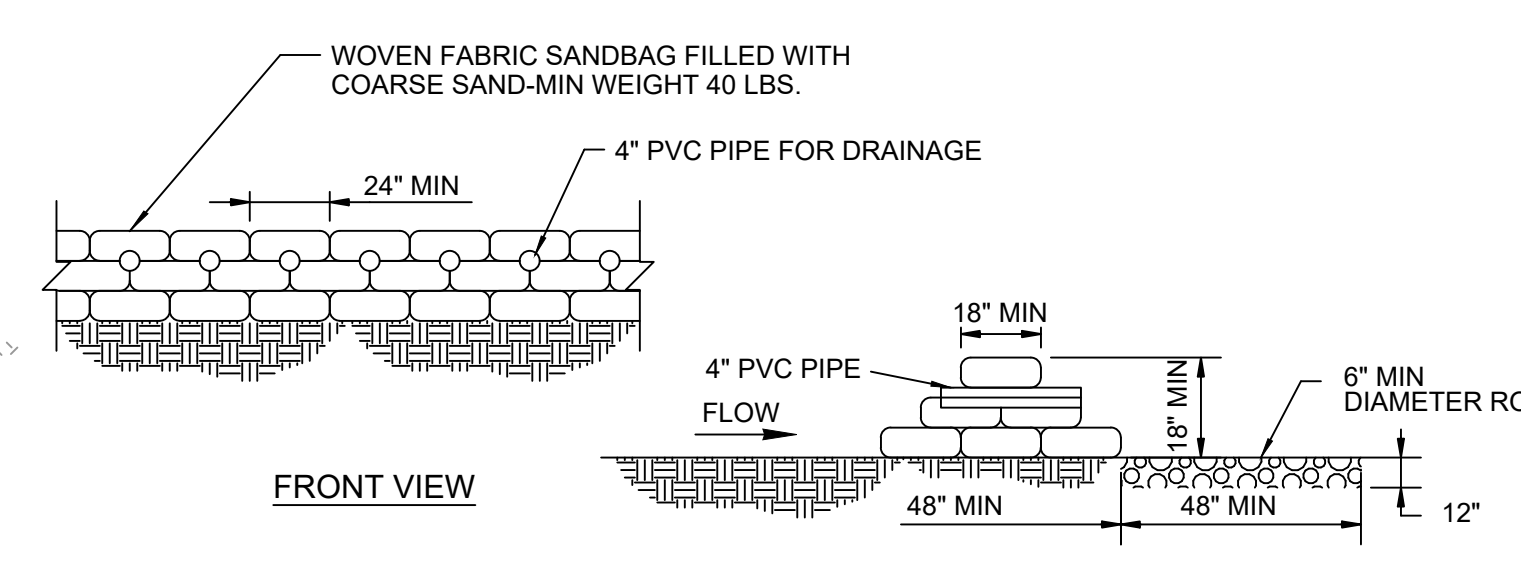
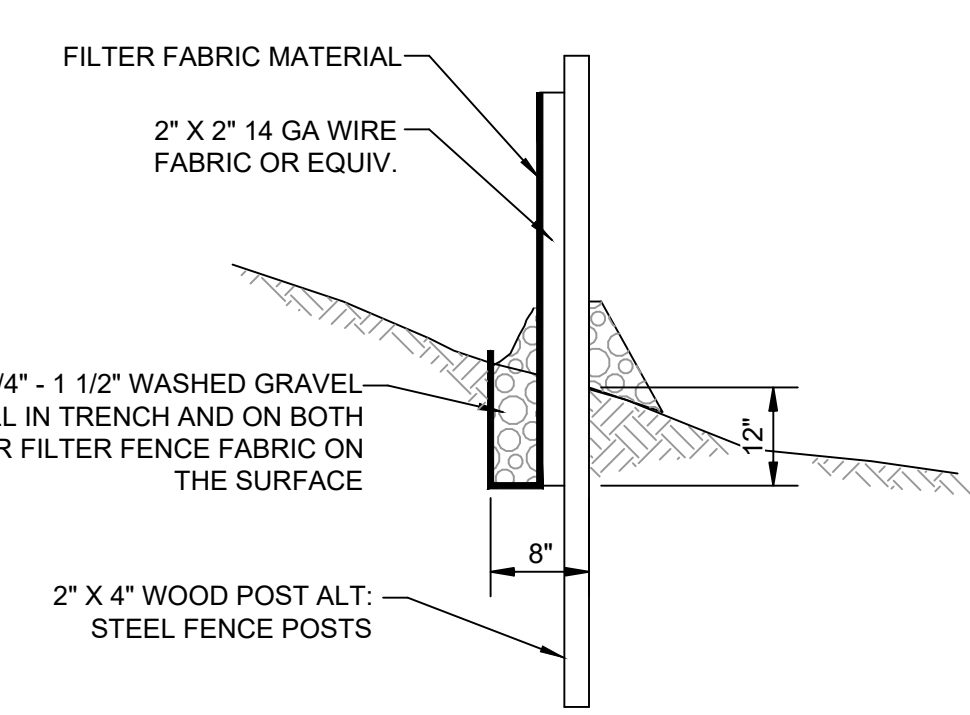
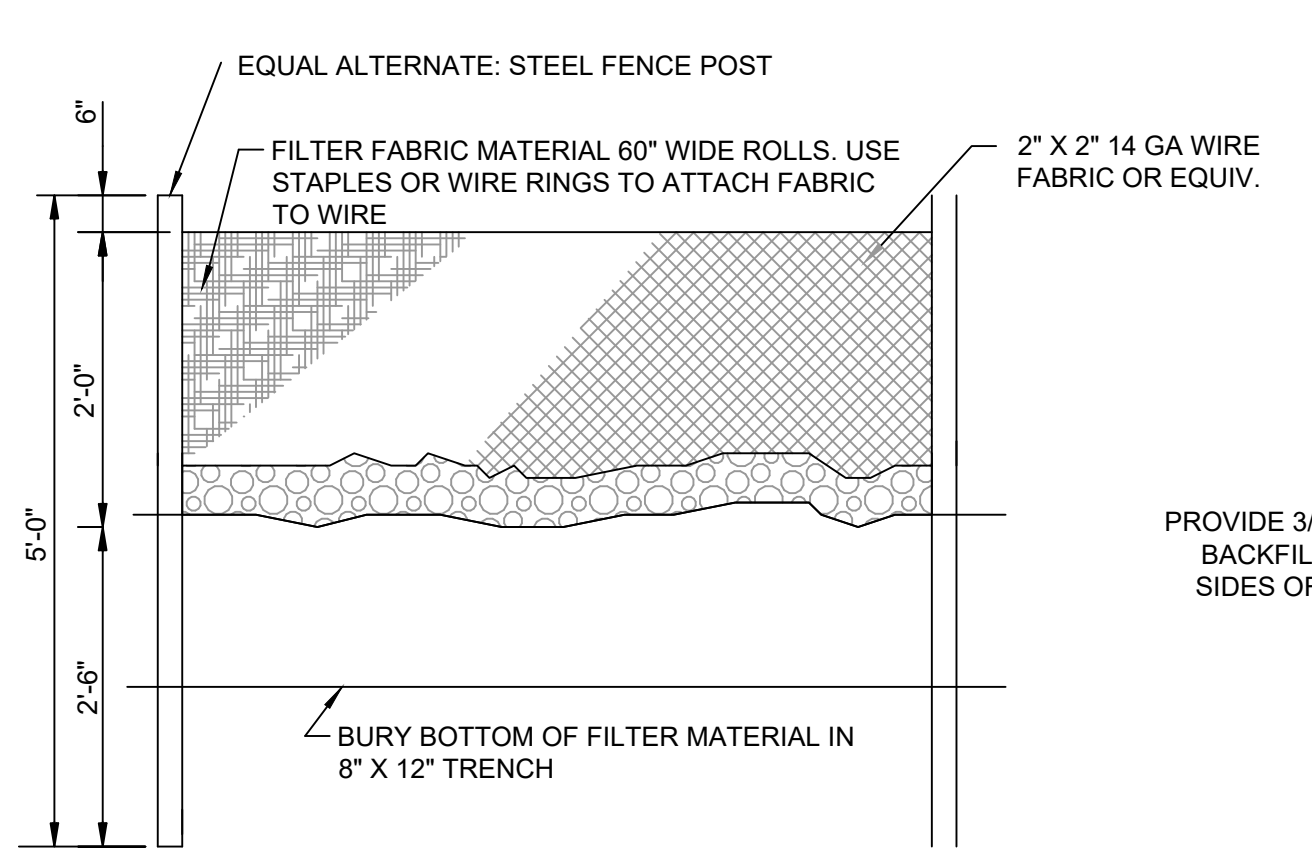
LINEAR FIBER ROLL	-
SILT FENCE	1865 LF
CONSTRUCTION FENCE	-
EARTH DIKE & DRAINAGE SWALE	-
RIP RAP	-
HYDROSEEDING	-
STABILIZED CONSTRUCTION ENTRANCE	1
STABILIZED STAGING AREA	1
CONCRETE WASH OUT	1
SEDIMENT BASIN	-
WHEEL WASH	-
INLET PROTECTION	10
CHECK DAM	-
LIMITS OF DISTURBANCE	±4.541 AC
PROJECT ACRES	±4.541 AC

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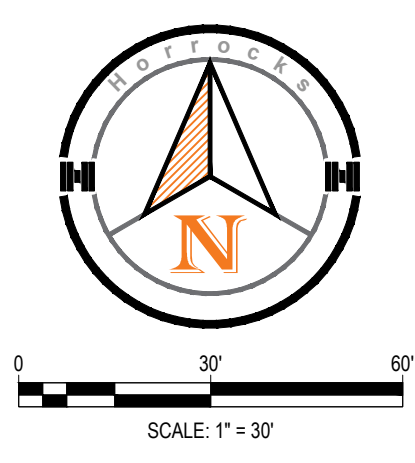


ISP DISTRICT 6 REMODEL
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EROSION CONTROL



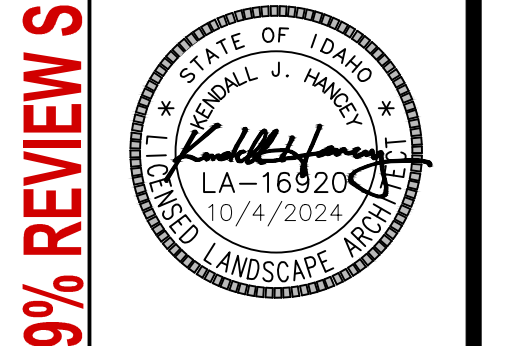
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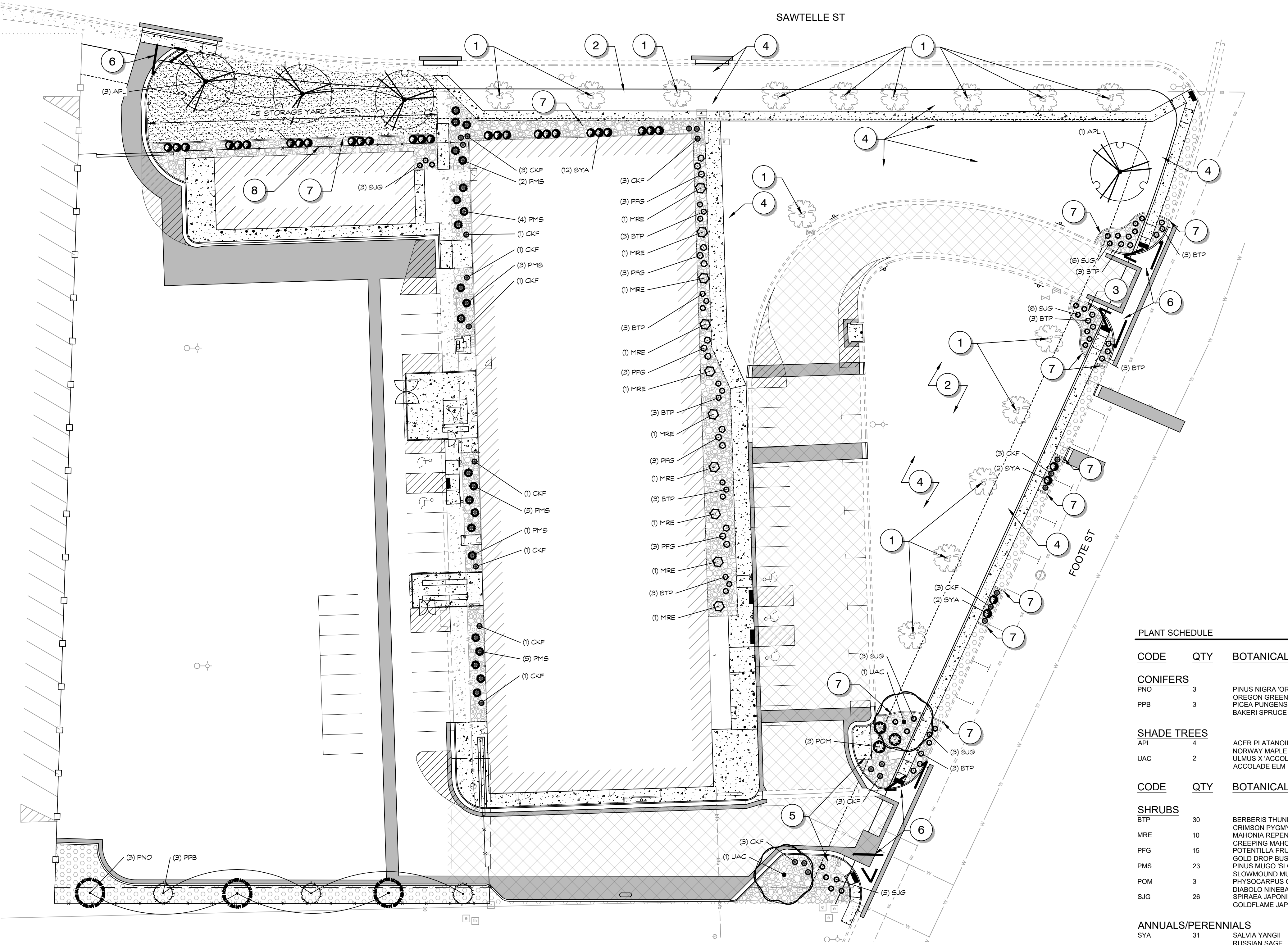
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REVISIONS	REV #	DATE
DRAWING INFO	10/02/2024	
DESIGNED	JR	
DRAWN	JR	
CHECKED	JTS	
PROJECT	ID-9305-24	



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ISP DISTRICT 6 REMODEL
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LANDSCAPE PLAN



- GENERAL LANDSCAPE NOTES**
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE QUANTITIES TO BE USED.
 - PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. IF SUBSTITUTIONS ARE WANTED, PROPOSED CHANGES MUST BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANTING.
 - TOPSOIL TO BE IMPLEMENTED AT THE FOLLOWING DEPTHS:
 - 6" DEPTH IN ALL PLANTER BED AREAS
 - 4" DEPTH IN ALL TURF SOD AREAS
 - 4" DEPTH IN ALL NEW SEED AREAS
 - 2" DEPTH IN ALL RESTORATION AREAS THAT WERE PREVIOUSLY VEGETATED.
 - EDGING SHALL BE IMPLEMENTED BETWEEN ALL VARYING LANDSCAPE MATERIALS SUCH AS TURF GRASS AND DARK MULCH, BARK MULCH AND ROCK MULCH, TURF GRASS AND BROADCAST SEED, ETC. EXACT TYPE OF EDGING SHALL BE INDICATED ON THE PLANS. IF NO EDGING IS INDICATED ON THE PLANS A 6" X 6" SLP FORMED, SQUARE CONCRETE CURB SHALL BE USED.
 - LANDSCAPE ROCK AND BARK MULCH COLOR AND TYPE TO BE APPROVED BY OWNER. SUBMIT SAMPLES FOR APPROVAL PRIOR TO INSTALLATION. MULCH MATERIAL SHALL BE IMPLEMENTED IN ALL PLANTER BED AREAS INDICATED ON THE PLANS AT THE FOLLOWING DEPTHS:
 - 1-2" DIAMETER FRACTURED STONE: 4"
 - 2-4" DIAMETER FRACTURED STONE: 4"
 - STONE LARGER THAN 4" IN DIAMETER: DEPTH SHALL BE TWICE THE DIAMETER OF THE SMALLEST STONE IN THE SPECIFIED GRADATION.
 - 1-2" COBBLE MULCH: 4"
 - 4-6" COBBLE MULCH: 6"
 - PULL MULCH MIN. OF 3" AWAY FROM BASE OF ALL PERENNIALS AND SHRUBS AND MIN. 6" AWAY FROM ALL TREES.
 - INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL LAWS AND ORDINANCES.
 - ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SPECIFIED, NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT WRITTEN PERMISSION OF THE OWNER OR LANDSCAPE ARCHITECT
 - BASE PLAN & LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE & EXISTING ELEMENTS PRIOR TO CONSTRUCTION & PROVIDE NECESSARY ADJUSTMENTS.
 - ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED ON A REGULAR SCHEDULE DURING THE FIRST GROWING SEASON.
 - THE CONTRACTOR SHALL WARRANT ALL PLANT MATERIAL FOR ONE-YEAR AFTER DATE OF FINAL ACCEPTANCE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND AVOIDANCE OF ALL UNDERGROUND UTILITIES DURING THE INSTALLATION OF LANDSCAPE AND IRRIGATION ELEMENTS. SHOULD ANY DAMAGE OCCUR TO UNDERGROUND UTILITIES THE CONTRACTOR SHALL REPLACE OR REPAIR THE DAMAGE AT NO ADDITIONAL COST TO THE OWNER.

LANDSCAPE CODE COMPLIANCE

SECTION 11-4.4 LANDSCAPING, BUFFERS, AND SCREENING	REQUIRED	PROVIDED
MINIMUM LANDSCAPE REQUIREMENTS (% OF TOTAL LOT AREA) 202,788 S.F. (TOTAL LOT AREA) x 20% = 40,558 S.F.	20% (40,558 S.F.)	27% (55,381 S.F.)
MINIMUM LANDSCAPED SETBACK CONTIGUOUS TO A STREET (IN WIDTH)	15' LANDSCAPE BUFFER	MIN. 15' LANDSCAPE BUFFER
COMMERCIAL AND MULTIFAMILY RESIDENTIAL MINIMUM LANDSCAPED BUFFER FROM CONTIGUOUS SINGLE-UNIT RESIDENTIAL ZONES AND USES	N/A (NO RES. ADJACENCY)	N/A
TREES WITHIN MINIMUM LANDSCAPED SETBACK CONTIGUOUS TO A STREET SHALL BE SPACED AT NO MORE THAN FOURTY-FOOT (40) CENTERS. TREES SHALL BE MINIMUM OF TWO-INCH (2") CALIPER.		
FOOTE ST: 328 LINEAR FT / 40 = 8 TREES	8 STREET TREES	8 STREET TREES
SAWTELLE ST: 486 LINEAR FT / 40 = 12 TREES	12 STREET TREES	12 STREET TREES
MINIMUM ONE (1) TREE PER 5,000 S.F. OF REQUIRED INTERNAL LANDSCAPE AREA	6 SITE TREES	7 SITE TREES
29,452 S.F. (REQUIRED LANDSCAPE AREA) / 5,000 S.F. = 6 TREES		
MINIMUM TWO (2) SHRUBS PER EACH REQUIRED INTERNAL TREE	12 SITE SHRUBS	163 SITE SHRUBS
6 (REQUIRED LANDSCAPE TREES) x 2 = 12 SHRUBS		
OPEN STORAGE AREAS WITHIN 30' OF THE RIGHT-OF-WAY SHALL BE SCREENED WITH A MINIMUM 10'-WIDE PLANTING STRIP WITH TREES, GROUNDCOVER, AND OPAQUE FENCE AT LEAST SIX FEET (6') IN HEIGHT.	145 LINEAR FT	145 LINEAR FT

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CAL.
CONIFERS				
PNO	3	PINUS NIGRA 'OREGON GREEN'	B&B	6'-7" HT
PPB	3	OREGON GREEN AUSTRIAN PINE PICEA PUNGENS 'BAKERI' BAKERI SPRUCE	B&B	6'-7" HT
SHADE TREES				
APL	4	ACER PLATANOIDES	B&B	2"
UAC	2	NORWAY MAPLE ULMUS X 'ACCOLADE' ACCOLADE ELM	B&B	2"
SHRUBS				
BTP	30	BERBERIS THUNBERGII 'CRIMSON PYGMY' CRIMSON PYGMY JAPANESE BARBERRY	2 GAL	
MRE	10	MAHONIA REPENS CREeping MAHONIA	2 GAL	
PFG	15	POTENTILLA FRUTICOSA 'GOLD DROP' GOLD DROP BUSH CINQUEFOIL	2 GAL	
PMS	23	PINUS MUGO 'SLOWMOUND' SLOWMOUND MUGO PINE	2 GAL	
POM	3	PHYSCARPUS OPULIFOLIUS 'MONLO' DIABOLO NINEBARK	2 GAL	
SJG	26	SPIRAEA JAPONICA 'GOLDFLAME' GOLDFLAME JAPANESE SPIREA	2 GAL	
ANNUALS/PERENNIALS				
SYA	31	SALVIA YANGII RUSSIAN SAGE	1 GAL	
ORNAMENTAL GRASSES				
CKF	25	CALAMAGROSTIS X ACUTIFLORA 'KARL' FOERSTER FEATHER REED GRASS	1 GAL	
SYMBOL QTY BOTANICAL / COMMON NAME SIZE				
SOD/SEED				
	5,284 SF	POA PRATENSIS KENTUCKY BLUEGRASS	SOD	

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	EXISTING TREES, TO BE PRESERVED AND PROTECTED (SEE DETAIL 11.2.0)	
2	EXISTING LANDSCAPING, TO BE PRESERVED AND PROTECTED	
3	EXISTING IRRIGATION BACKFLOW PREVENTER, TO BE PROTECTED AND PRESERVED.	
4	REPAIR AND REPLACE SOD GRASS (TO MATCH EXISTING) IN DISTURBED AREAS	
5	EXISTING TREES AND EVERGREEN SHRUBS TO BE REMOVED AND HAULED OFF. BACKFILL AND COVER WITH WEED BARRIER AND RIVER ROCK (PER DETAILS) TO MATCH EXISTING.	
6	15' X 15' VISIBILITY TRIANGLE	
7	6' X 6" CONCRETE MOWCURB	276 LF
8	6' HT OPAQUE FENCE (REF. ARCH.)	
	4" DEPTH OF 1-2" WASHED, RAINBOW RIVER ROCK	120 CY
	4" DEPTH OF 4-6" RAINBOW RIVER COBBLE	70.2 CY

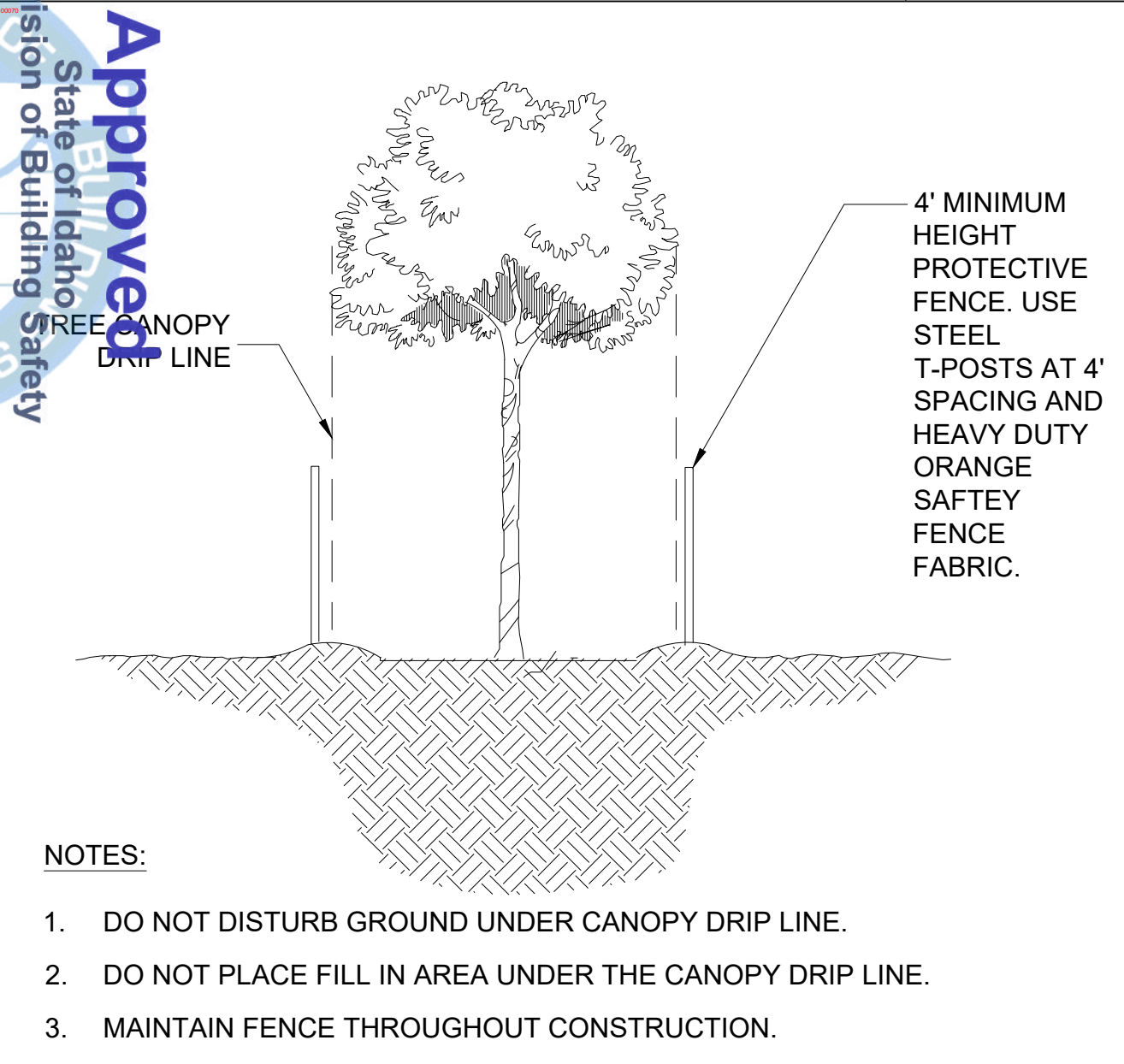
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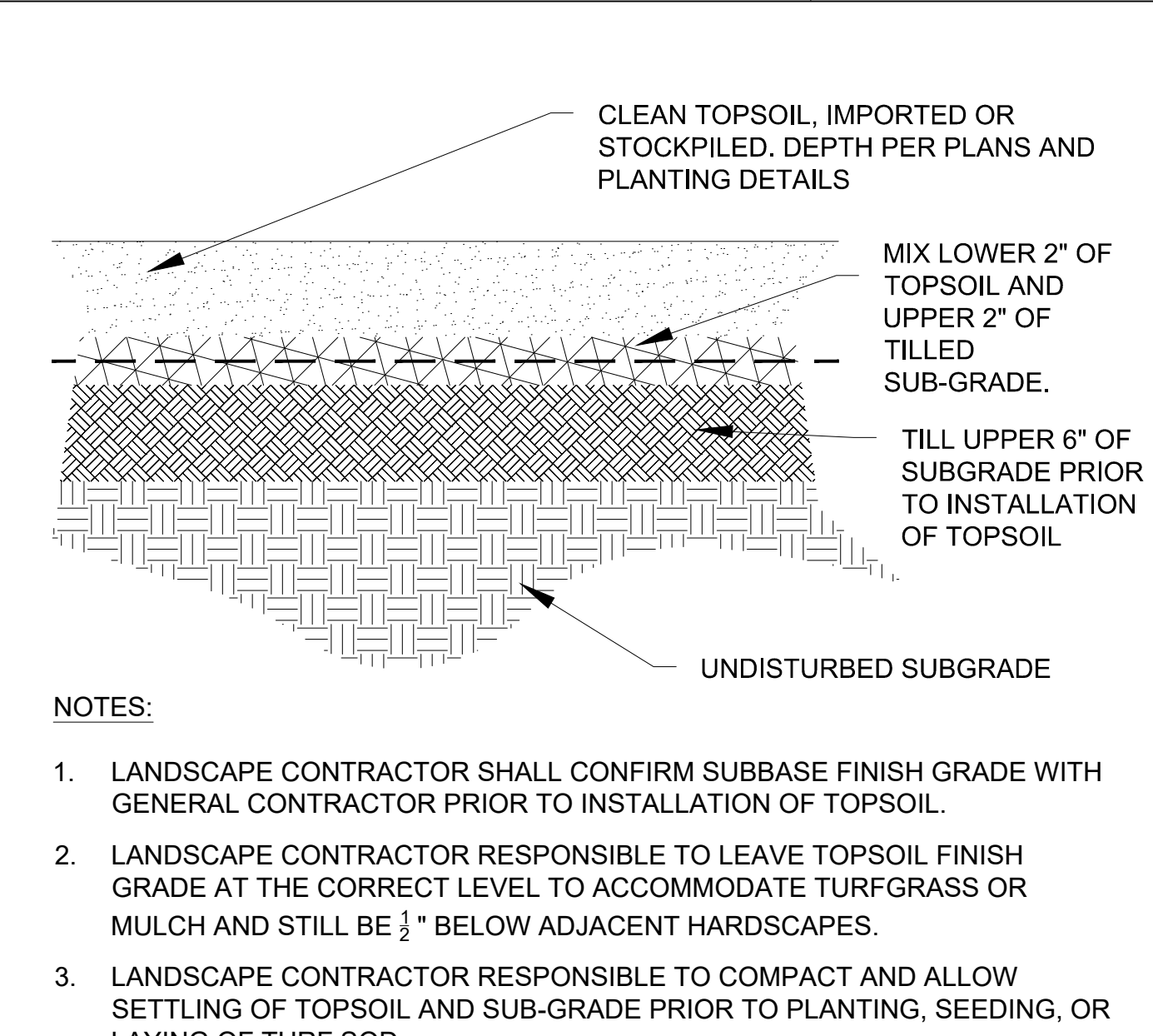
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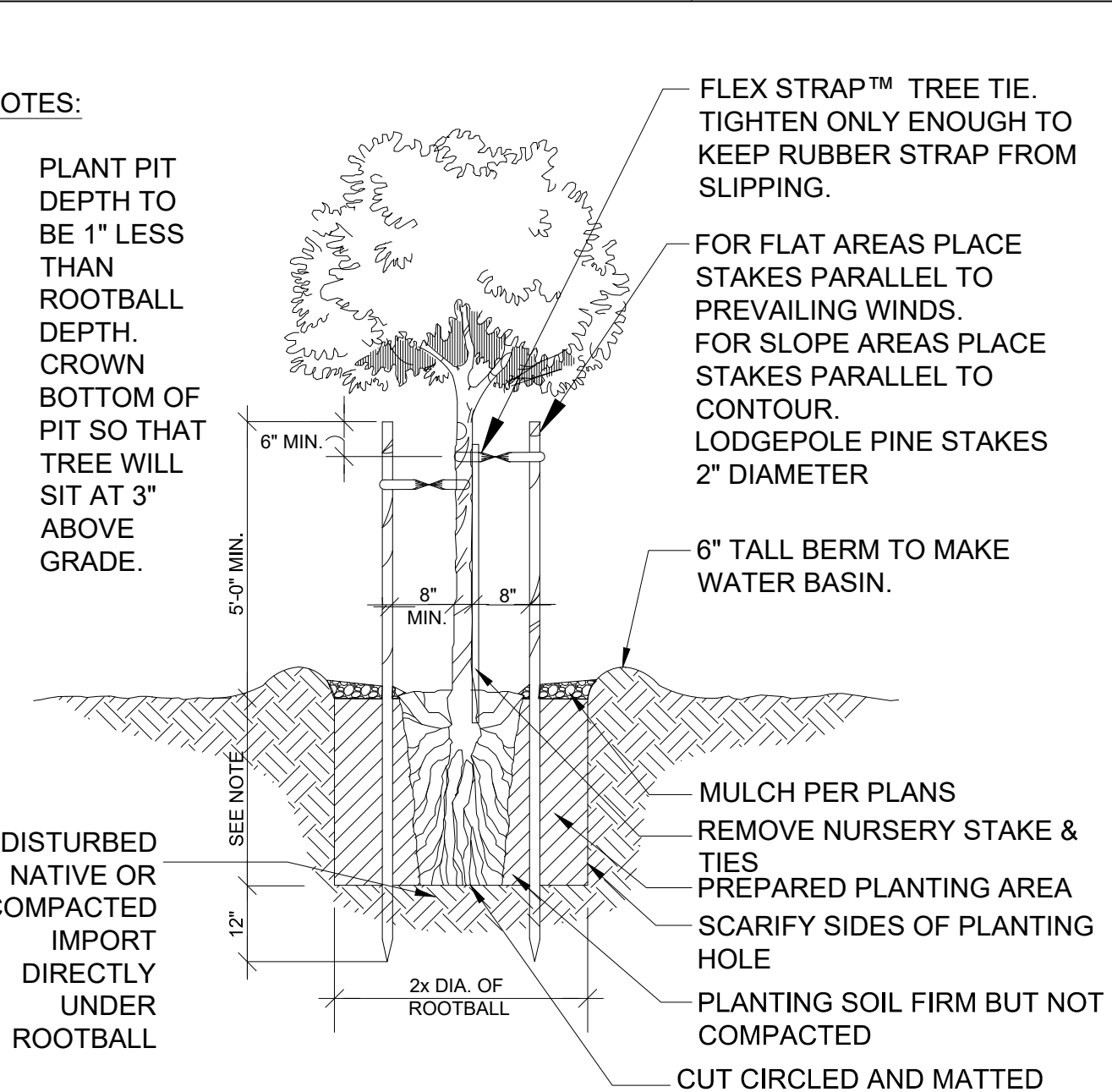
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 State of Idaho
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 Date:



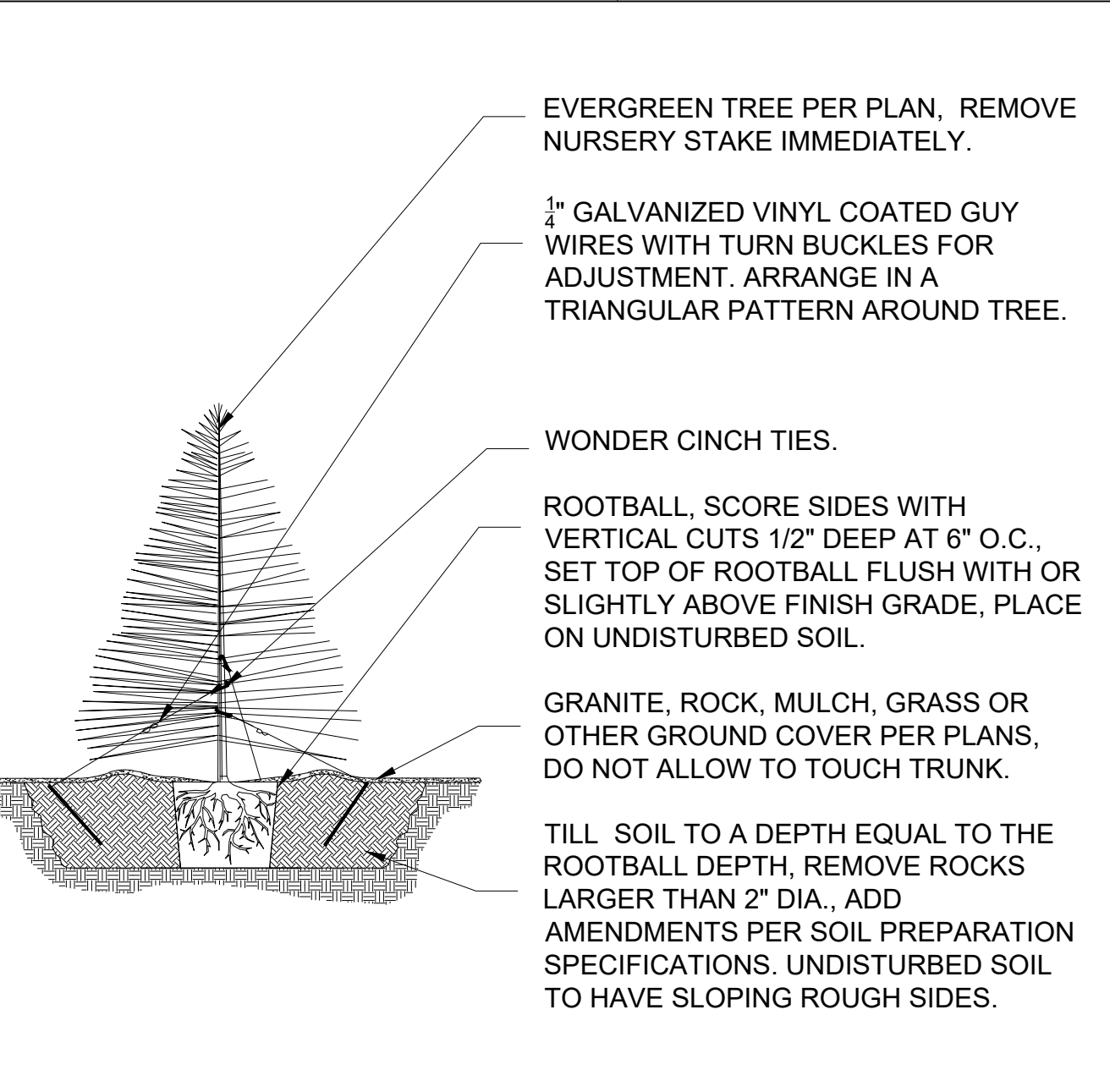
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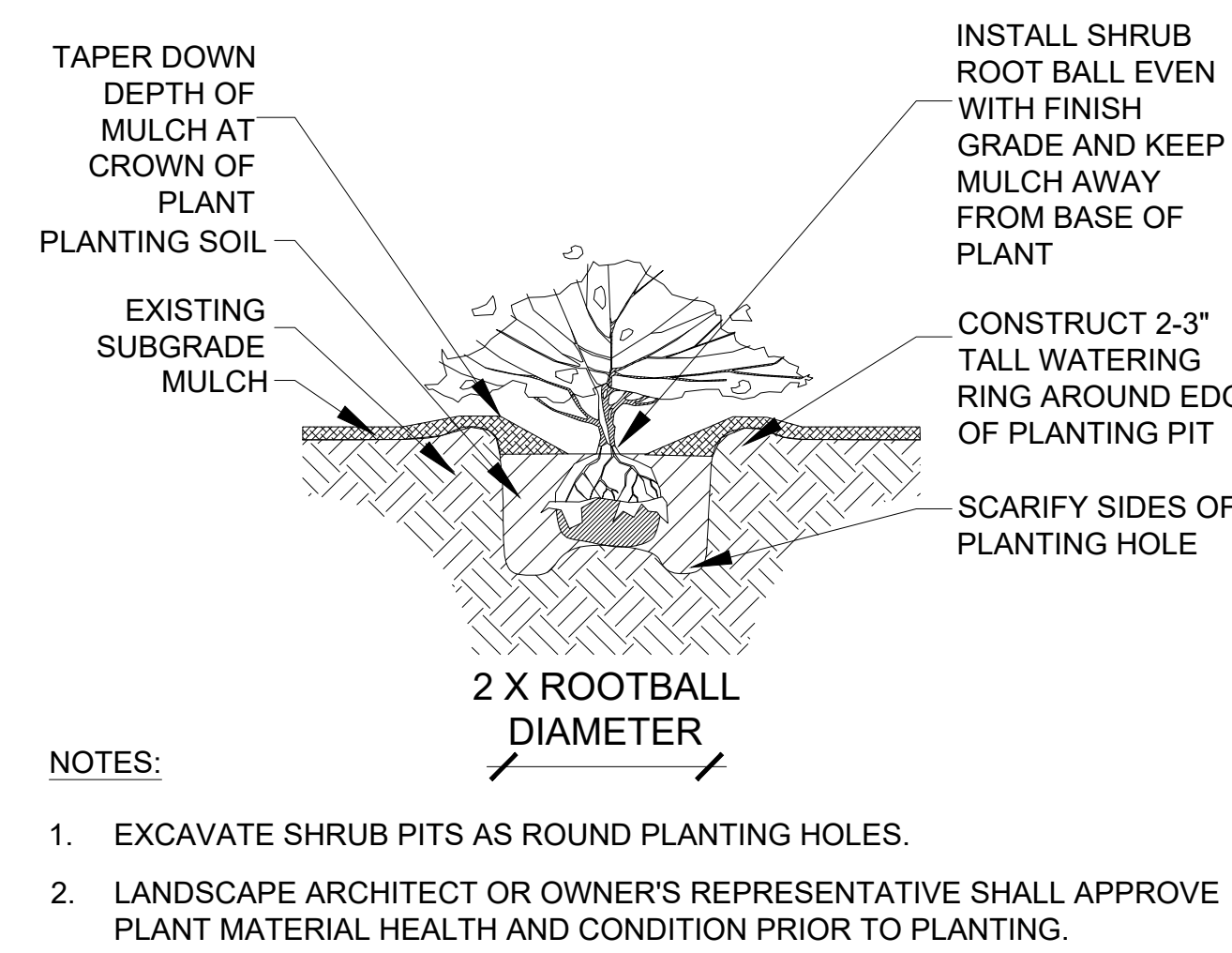
2 TOPSOIL
 NOT TO SCALE H-PLT-SOL-35



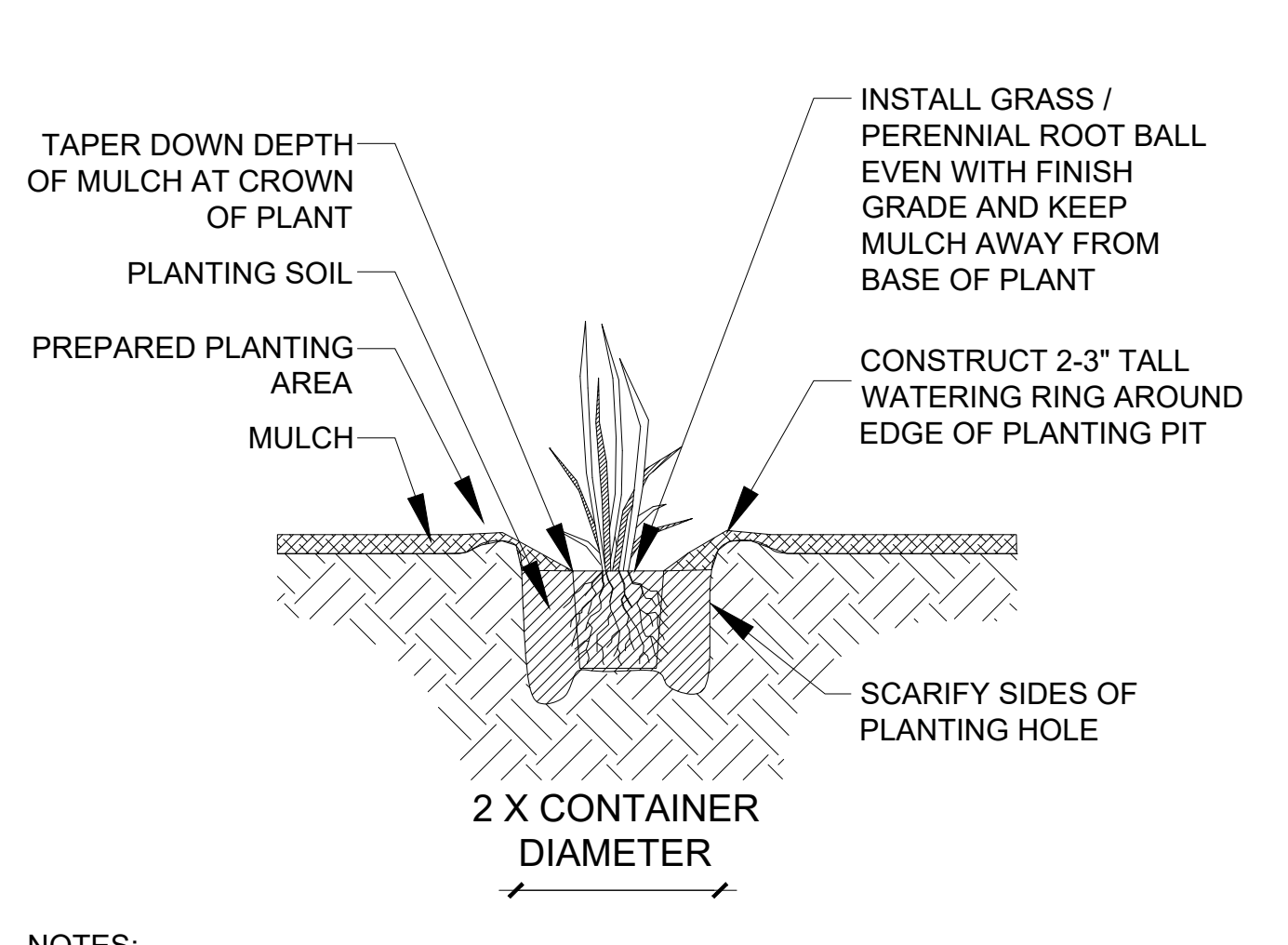
3 DECIDUOUS TREE
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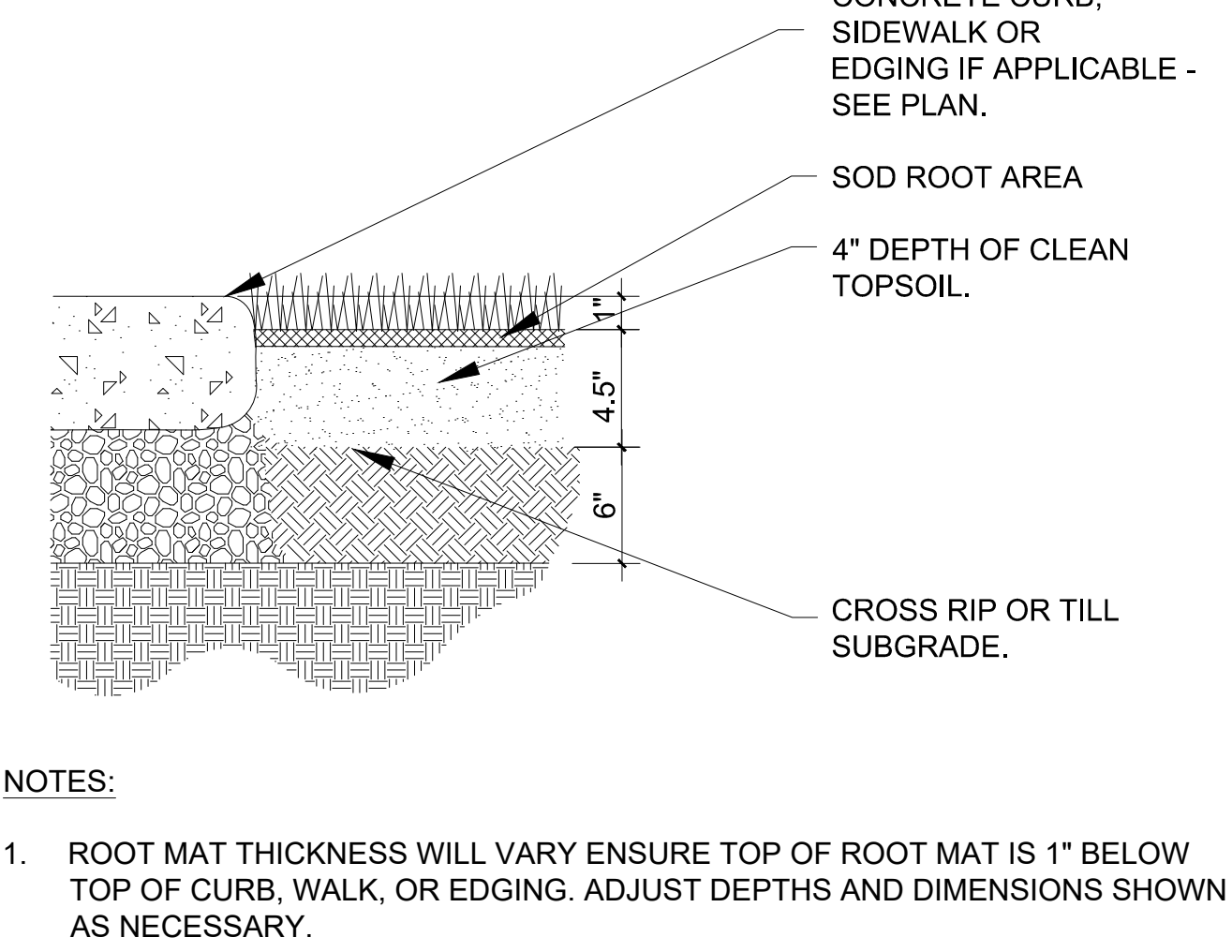
4 CONIFER TREE
 NOT TO SCALE H-PLT-TR-21



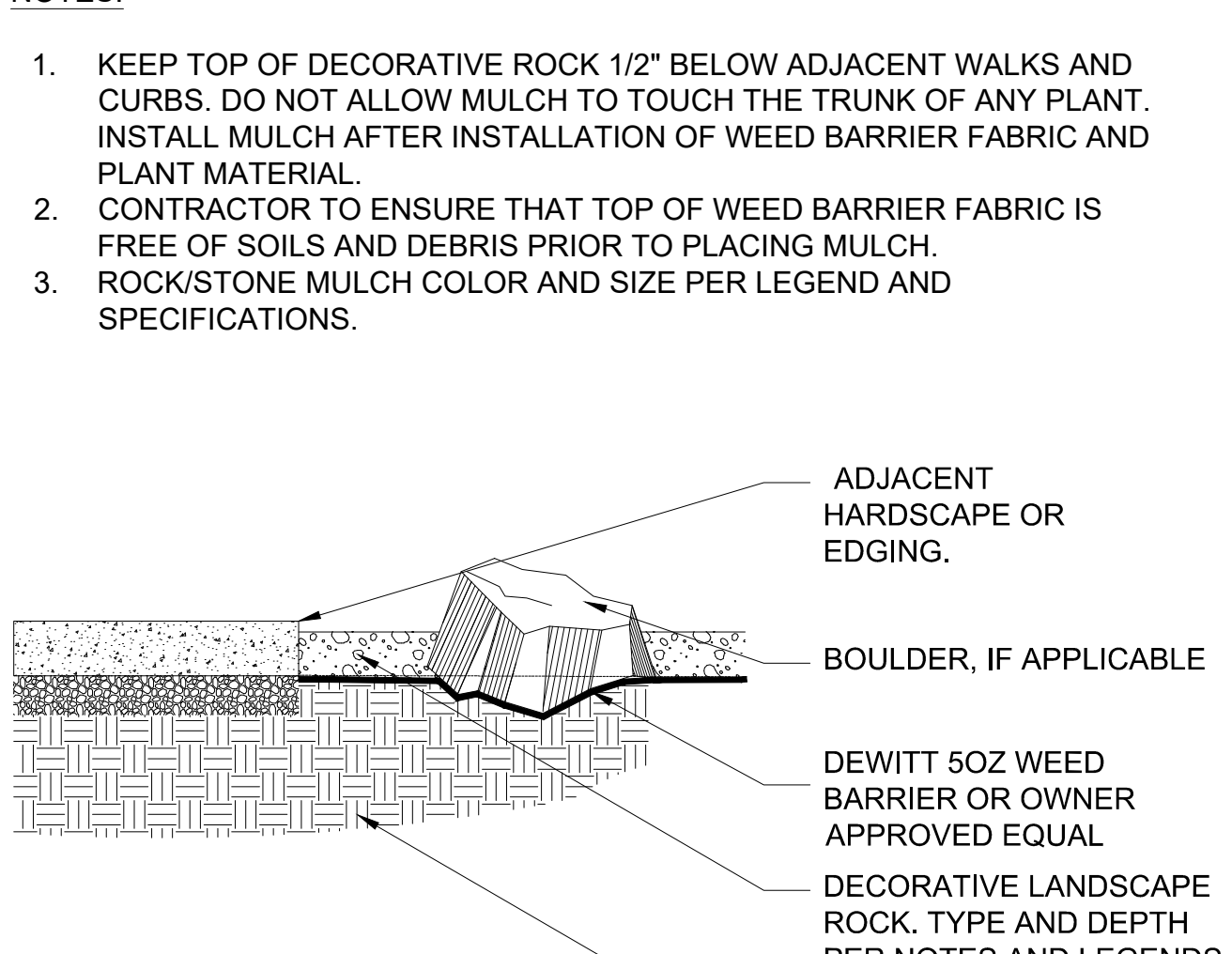
5 SHRUB AND PERENNIAL
 NOT TO SCALE H-PLT-SHR-26



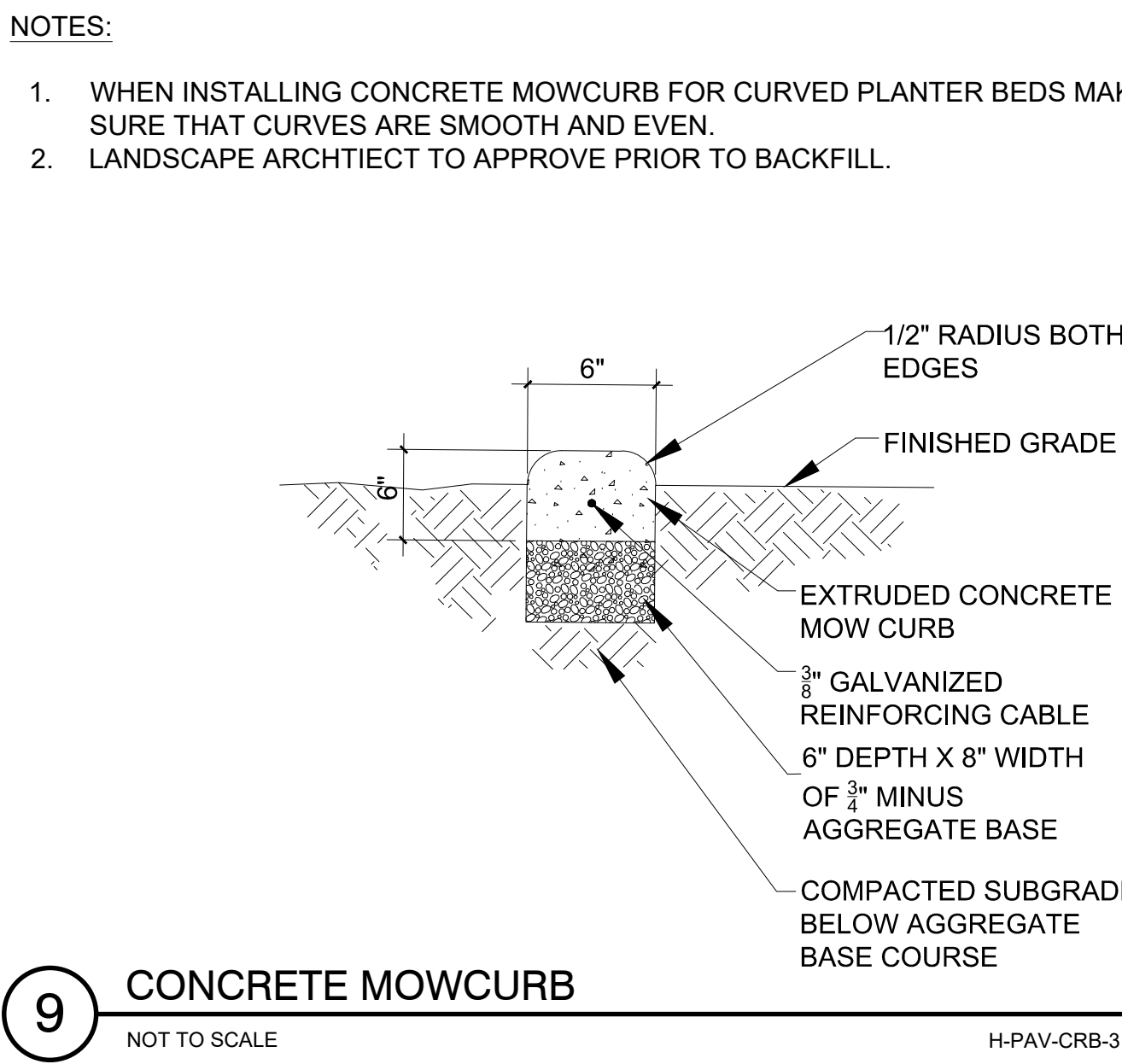
6 ORNAMENTAL GRASS
 NOT TO SCALE H-PLT-SHR-25



7 TURF SOD
 NOT TO SCALE H-PLT-GRS-29



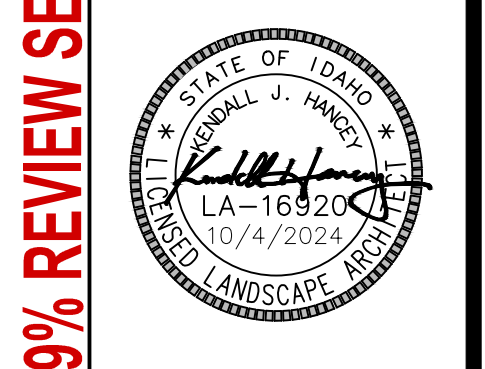
8 DECORATIVE LANDSCAPE ROCK
 NOT TO SCALE H-PAV-MLC-22



9 CONCRETE MOWCURB
 NOT TO SCALE H-PAV-CRB-31

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DRAWING INFO		DESIGNED		DRAWN		CHECKED		PROJECT	
DATE	10/02/2024	DESIGNED	JR	DRAWN	JR	CHECKED	JTS	PROJECT	ID-9305-24
REVISIONS	REV #	DATE							
WARNING		IF THIS BAR DOES NOT MEASURE 2" THEN DRAWING IS NOT TO SCALE							



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LANDSCAPE DETAILS
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SITE WORK

EXAMINATION
A. SITE VERIFICATION OF CONDITIONS
1. 48 HOURS MINIMUM PRIOR TO PERFORMING ANY WORK ON SITE, CONTACT IDAHO UTILITY LOCATOR SERVICE COMPANY TO ARRANGE FOR UTILITY LOCATION SERVICES.

GUARANTEE
A. SUBMIT 1-YEAR WRITTEN GUARANTEE SIGNED BY UNDERGROUND SPRINKLER CONTRACTOR, AGREEING TO REPAIR OR REPLACE ALL DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP.
B. GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP TO THE SATISFACTION OF THE OWNER. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AT NO COST TO THE OWNER.

LANDSCAPE FINISH GRADING
SUMMARY
A. INCLUDES BUT NOT LIMITED TO
1. PERFORM FINISH GRADING WORK REQUIRED TO PREPARE SITE FOR INSTALLATION OF LANDSCAPING AS DESCRIBED IN CONTRACT DOCUMENTS.

QUALITY ASSURANCE
A. PRODUCT OPTIONS: DRAWINGS SHALL INDICATE SIZE, PROFILES, AND DIMENSIONAL REQUIREMENTS OF IRRIGATION PIPING AND COMPONENTS BASED ON SPECIFIC TYPES AND MODELS INDICATED.
B. WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LATEST RULES AND REGULATIONS, AND OTHER APPLICABLE STATE OR LOCAL LAWS.

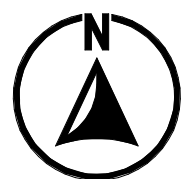
IRRIGATION SYSTEMS
SUMMARY
A. THIS SECTION INCLUDES PIPING, VALVES, SPRINKLERS, LAWN SPRINKLER SPECIALTIES, CONTROLS, AND WIRING.
SYSTEM DESCRIPTION
A. PROVIDE UNDERGROUND IRRIGATION SYSTEM DESIGN AND INSTALLATION AS REQUIRED FOR ALL LANDSCAPING. DESIGN SYSTEM AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE WITHOUT SPRAYING ONTO BUILDINGS, SIDEWALKS, FENCES, ETC.

EXAMINATION
A. SITE VERIFICATION OF CONDITIONS: PERFORM PRESSURE TEST AT STUB-OUT ON MAIN WATER LINE PROVIDED FOR IRRIGATION SYSTEM, OR AT NEAR-BY FIRE HYDRANT.
PREPARATION
A. DURING CONSTRUCTION AND STORAGE, PROTECT MATERIALS FROM DAMAGE AND PROLONGED EXPOSURE TO SUNLIGHT.
B. WORK DAMAGED DURING COURSE OF WORK OF THIS SECTION SHALL BE REPLACED OR REPAIRED AT NO ADDITIONAL COST TO OWNER.

INSTALLATION
A. TRENCHING AND BACKFILLING
1. PULLING OF PIPE IS NOT PERMITTED.
2. OVER-EXCAVATE TRENCHES 2 INCHES AND BRING BACK TO INDICATED DEPTH BY FILLING WITH BACKFILL MATERIAL AS SPECIFIED UNDER PART 2 - PRODUCTS.
B. EXCAVATION BEYOND EXCAVATION LIMITS
1. WHERE IT BECOMES NECESSARY TO EXCAVATE BEYOND THE LIMITS OF NORMAL EXCAVATION LINES IN ORDER TO REMOVE ROCK OR OTHER INTERFERING OBJECTS, THE VOID REMAINING AFTER THE REMOVAL OF THE OBJECT SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED AS PER THE "EARTHWORK" SECTION AND THIS SPECIFICATION SECTION.

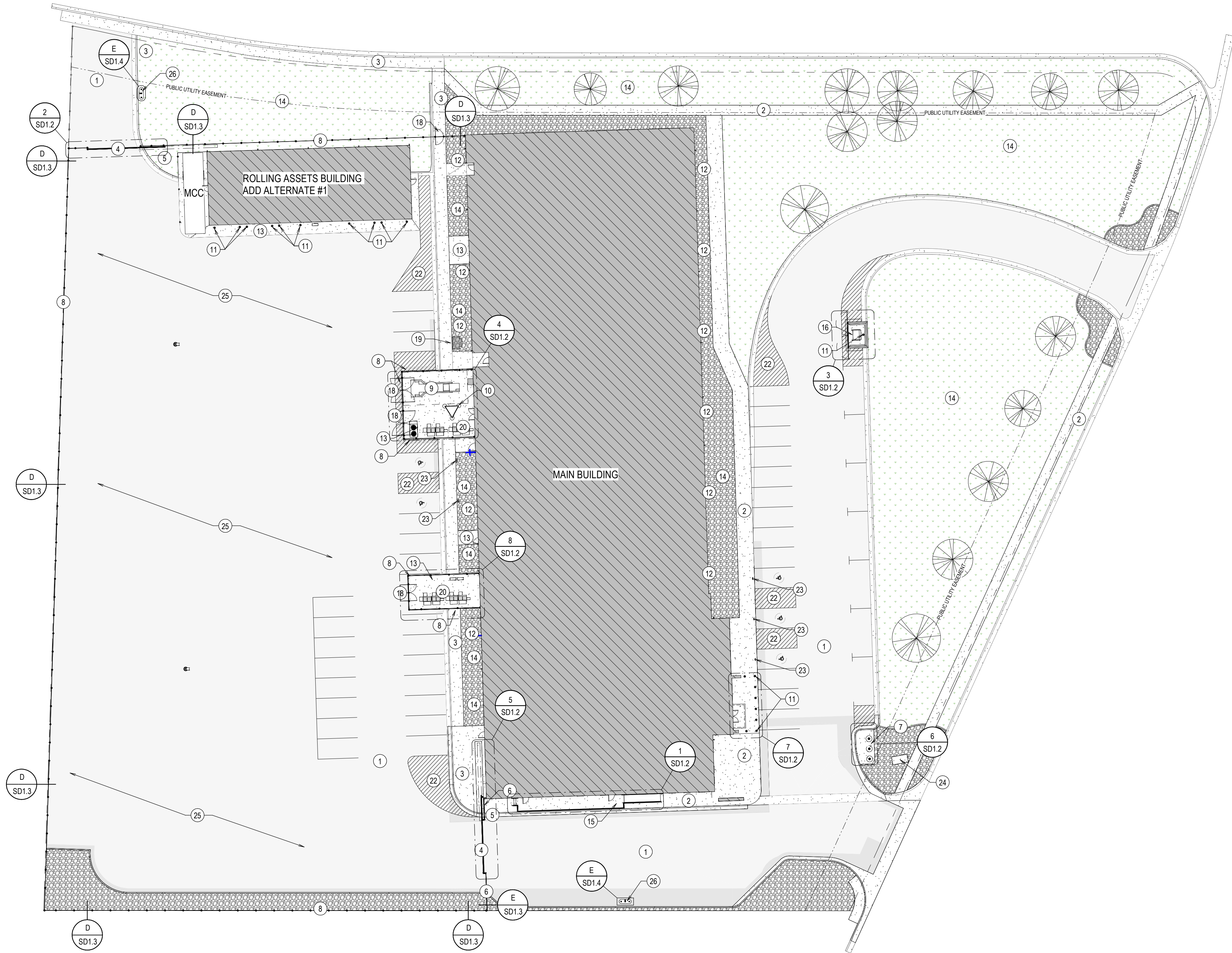
EXTRA MATERIALS
A. FURNISH EXTRA MATERIALS DESCRIBED BELOW THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS. DELIVER EXTRA MATERIALS TO OWNER.
1. TWO VALVE BOX COVER KEYS.
2. TWO QUICK COUPLER KEYS WITH BRASS HOSE SWIVEL.
3. TWO MANUAL DRAIN VALVE KEYS.
4. TWO SETS OF SPRINKLER WRENCHES FOR ADJUSTING, CLEANING OR DISASSEMBLY OF EACH TYPE OF SPRINKLER.
5. TWO OF ANY OTHER TOOLS REQUIRED FOR ANY OTHER EQUIPMENT.

IRIGATION PERFORMANCE SPECIFICATIONS
1155 FOOTE DR. IDAHO FALLS, IDAHO 83402
ISP DISTRICT 6 REMODEL
LA-163206
10/4/2024
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SITE PLAN

SCALE: 1" = 30'-0"



KEYNOTES

- 1 EXISTING ASPHALT PAVING
- 2 CONCRETE SIDEWALK - SEE CIVIL
- 3 EXISTING CONCRETE SIDEWALK
- 4 CANTILEVERED SLIDING GATE - SEE F / SD1.3
- 5 GATE OPERATOR
- 6 DECORATIVE FENCING - SEE E / SD1.3
- 7 CONCRETE FLAG POLE BASE
- 8 CHAIN LINK FENCE WITH PRIVACY SLATS - SEE D / SD1.3
- 9 BACKUP GENERATOR WITH FUEL SUPPLY
- 10 RADIO TOWER
- 11 STAINLESS STEEL AND CONCRETE BOLLARDS - SEE ENLARGED PLANS
- 12 DOWNSPOUTS
- 13 CONCRETE PAD
- 14 EXISTING LANDSCAPE
- 15 CONCRETE RAMP AND LANDING
- 16 DUMPSTER ENCLOSURE
- 17 NOT USED
- 18 CHAIN LINK SWING GATE - SEE B / SD1.4
- 19 TRANSFORMER - SEE ELECTRICAL AND CIVIL
- 20 MECHANICAL EQUIPMENT
- 21 LANDSCAPE ISLAND
- 22 ASPHALT STRIPING
- 23 HANDICAP PARKING SIGNS - SEE CIVIL
- 24 PROTECT EXISTING MONUMENT SIGN
- 25 STORAGE YARD AREA
- 26 CARD READER AND KEYPAD ON PEDESTAL

PROJECT:

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

REVISIONS

PROJECT NO.
21034
 DATE:
OCTOBER 2024
 DRAWN BY:
NRH/BTH/JNH
 CHECKED BY:
NRH

DRAWING NO.:

SD1.1

SHEET TITLE:

SITE DESIGN

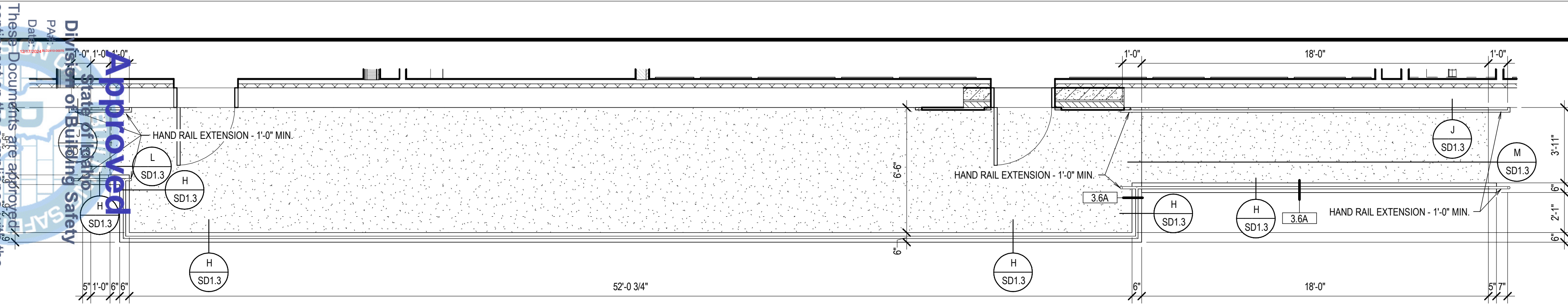
nbwarchitects p.a.
 ARCHITECTURE / PLANNING / INTERIORS
 990 JOHR HOBBS PARKWAY / P. O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
 (P) 208-522-8779 (F) 208-522-8785 (W) nbwarchitects.com

LICENSED ARCHITECT
 ARCHITECT ID: 100002024
 NICHOLAS HANSEN
 STATE OF IDAHO

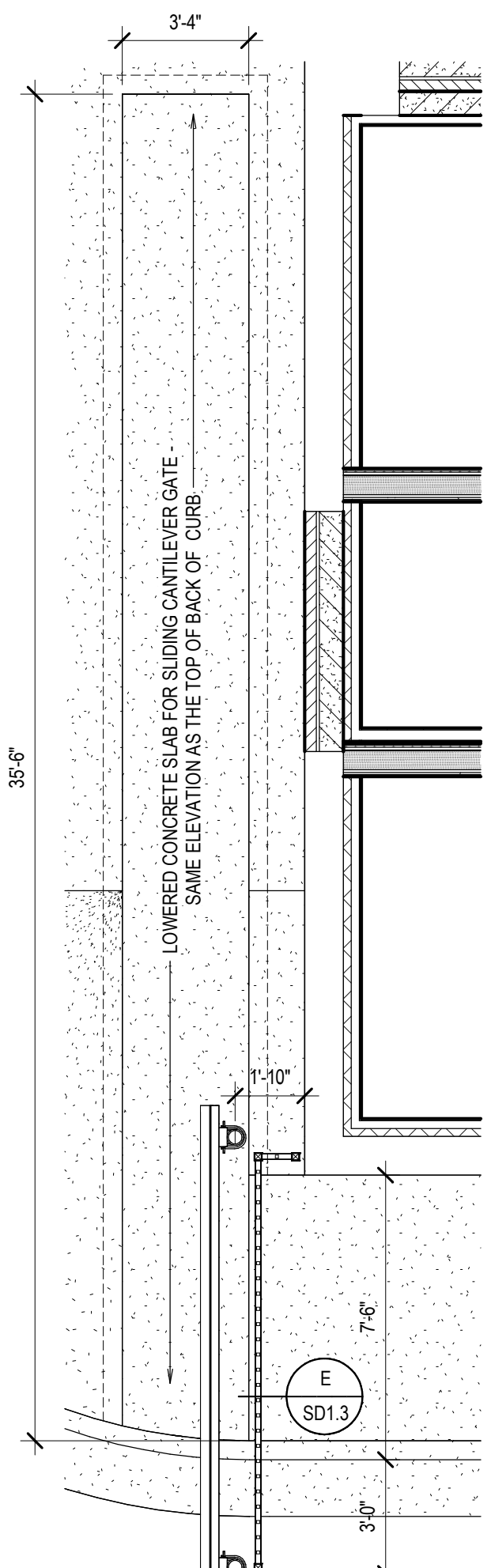
Approved
 State of Idaho
 Division of Building Safety

These Documents are approved in accordance with the provisions of the Idaho Building Code. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

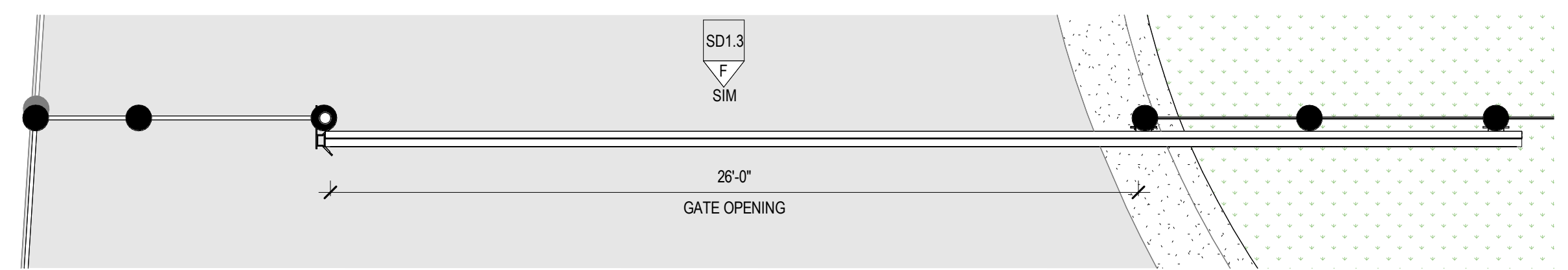
These Documents are approved for construction on the compliance with the Division of Building Safety.



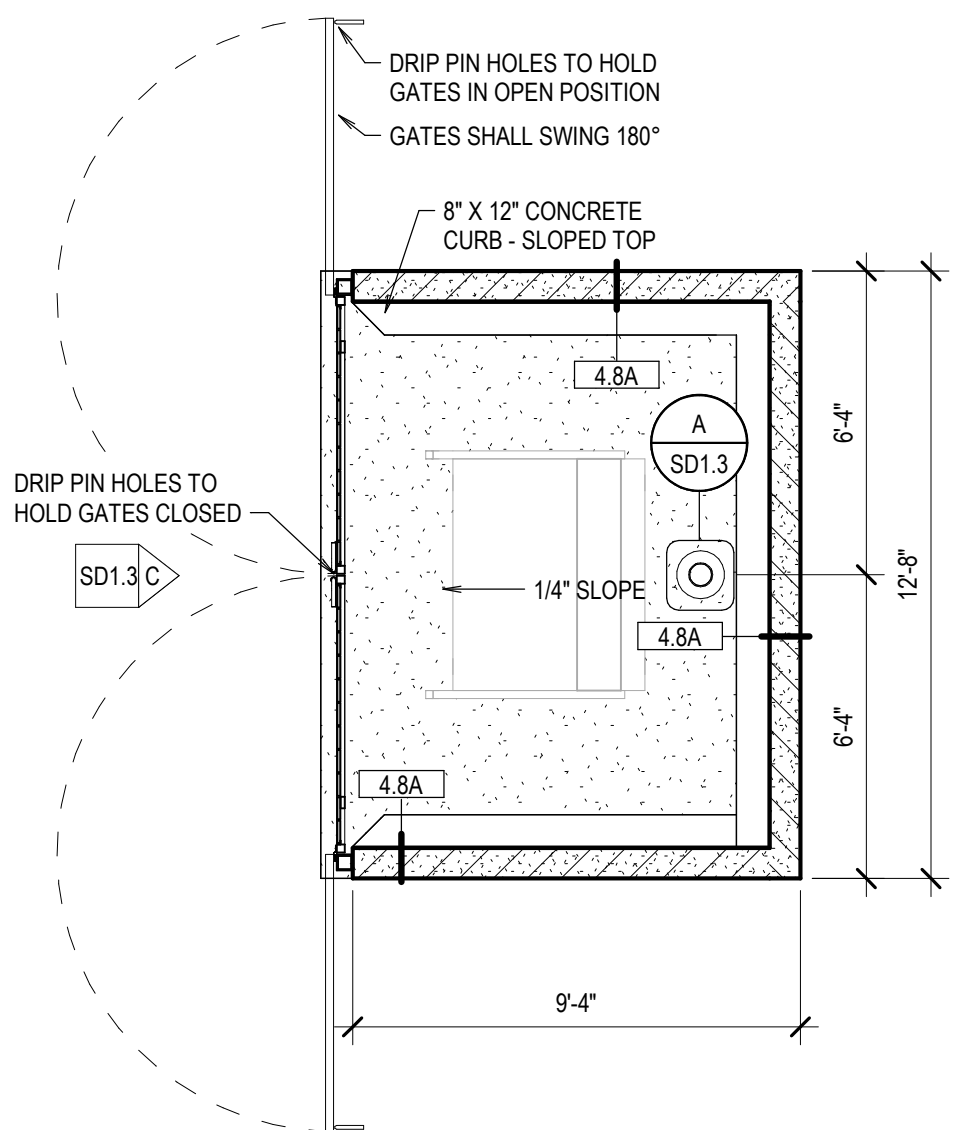
1 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



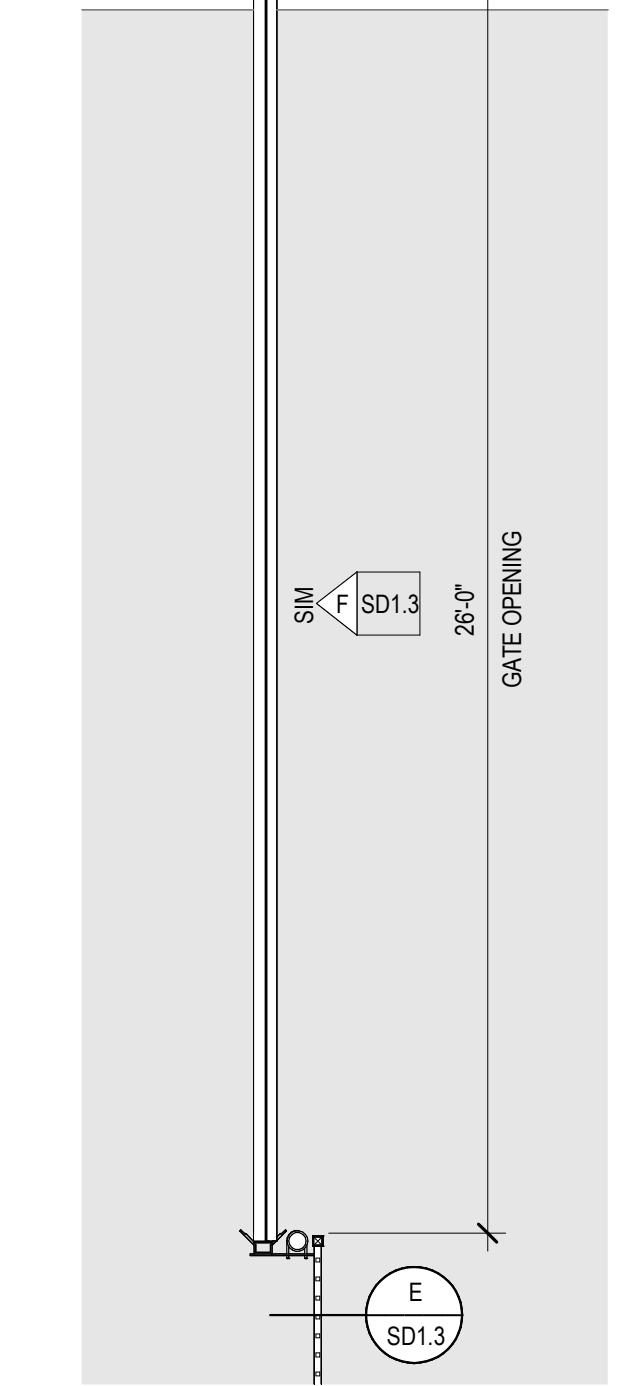
2 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



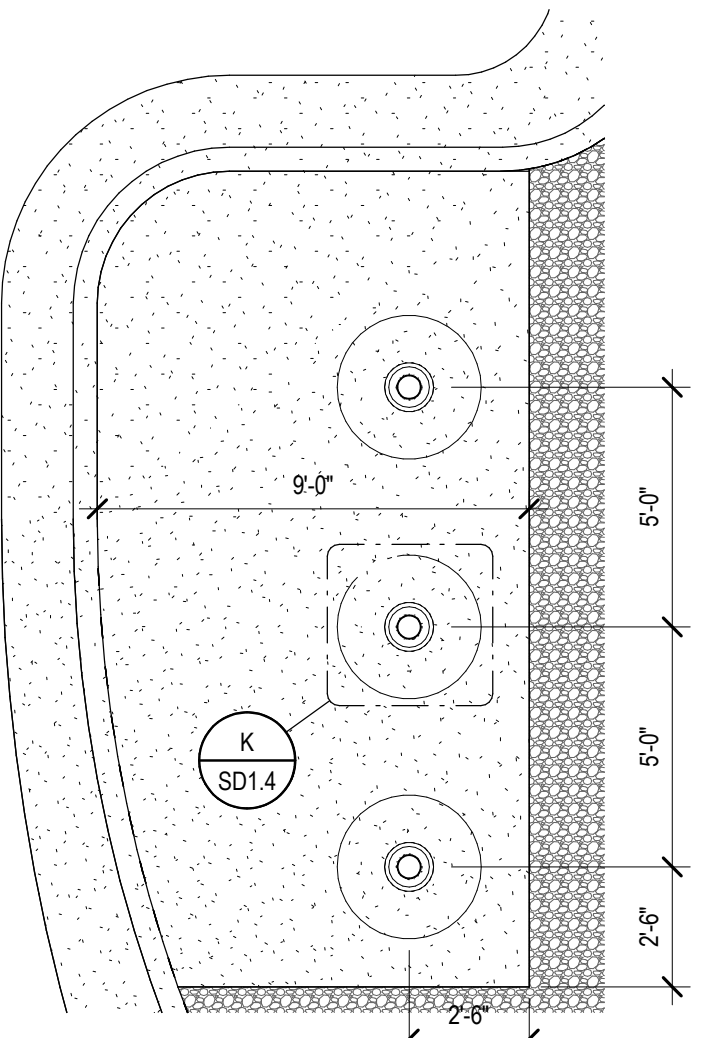
3 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



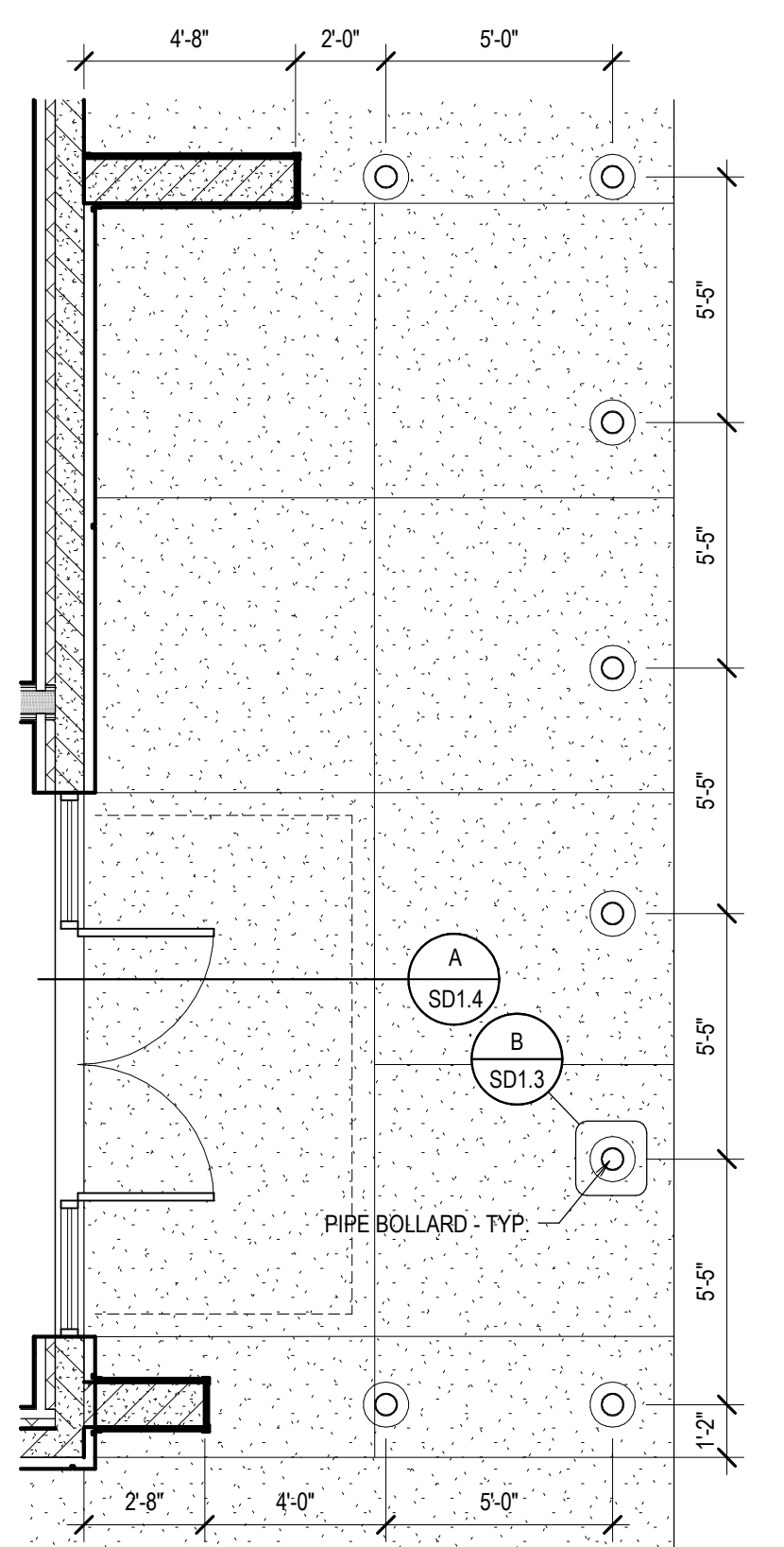
4 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



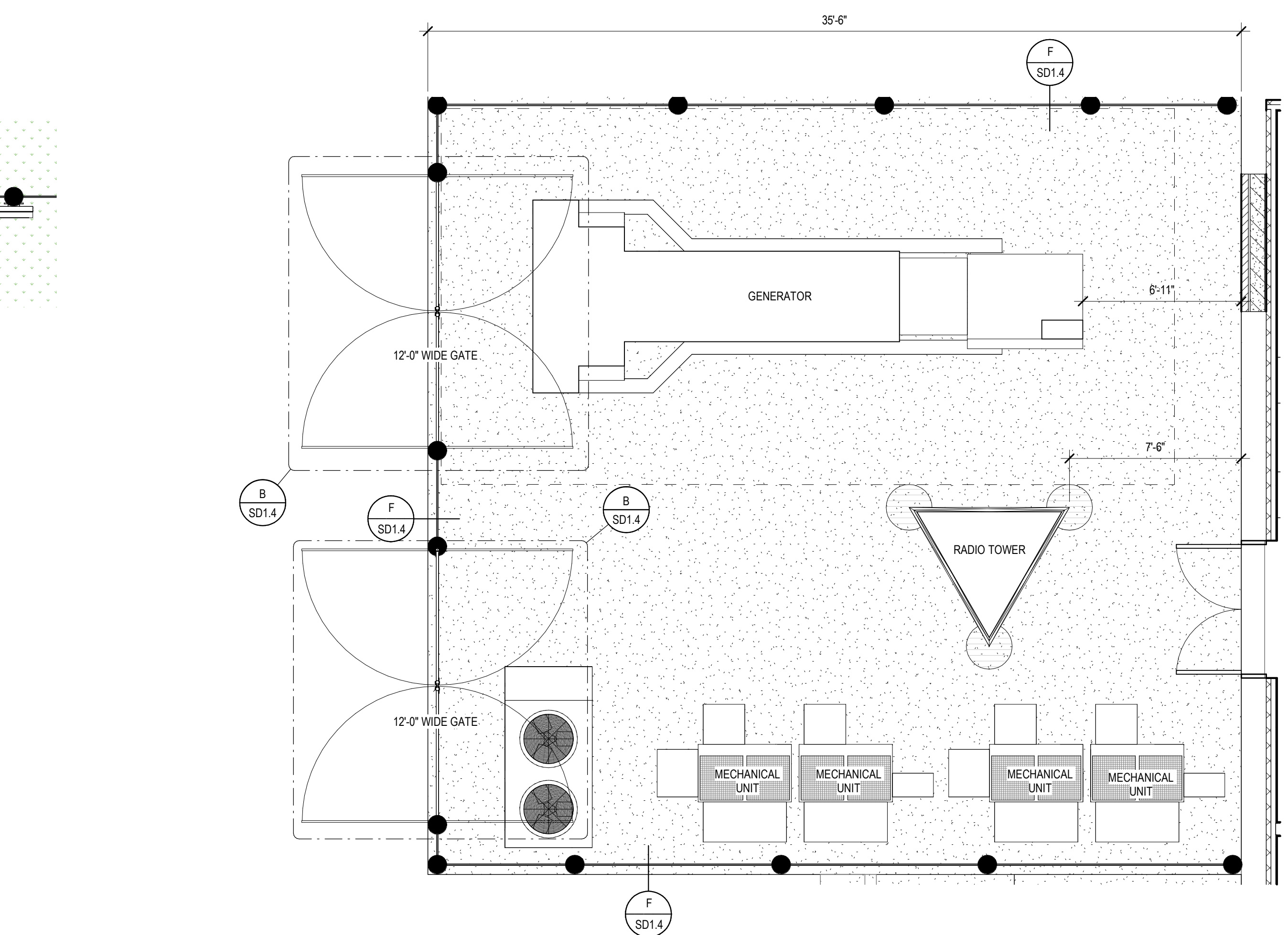
5 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



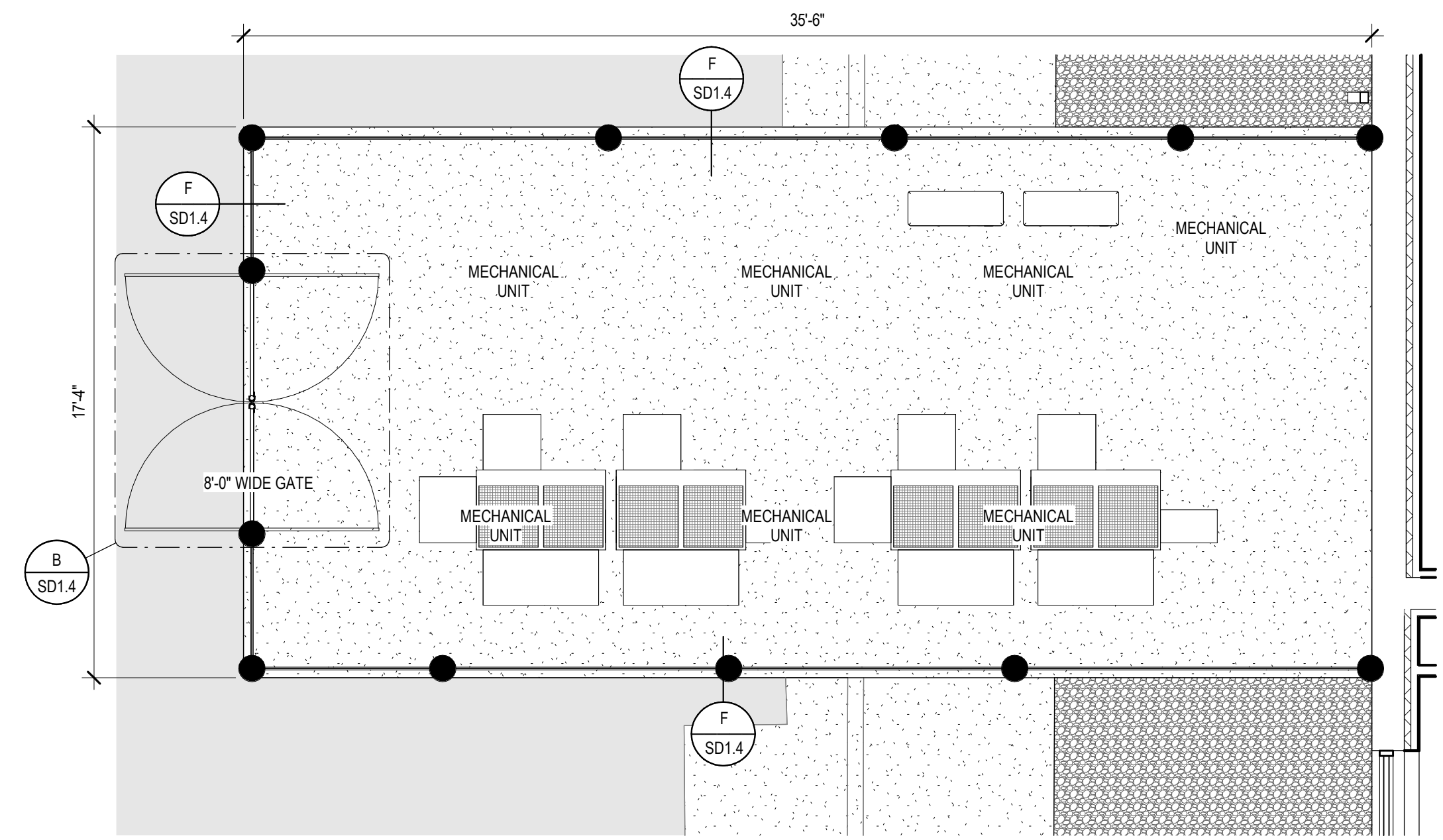
6 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



7 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



8 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



9 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY

SHEET TITLE: SITE ENLARGED PLANS

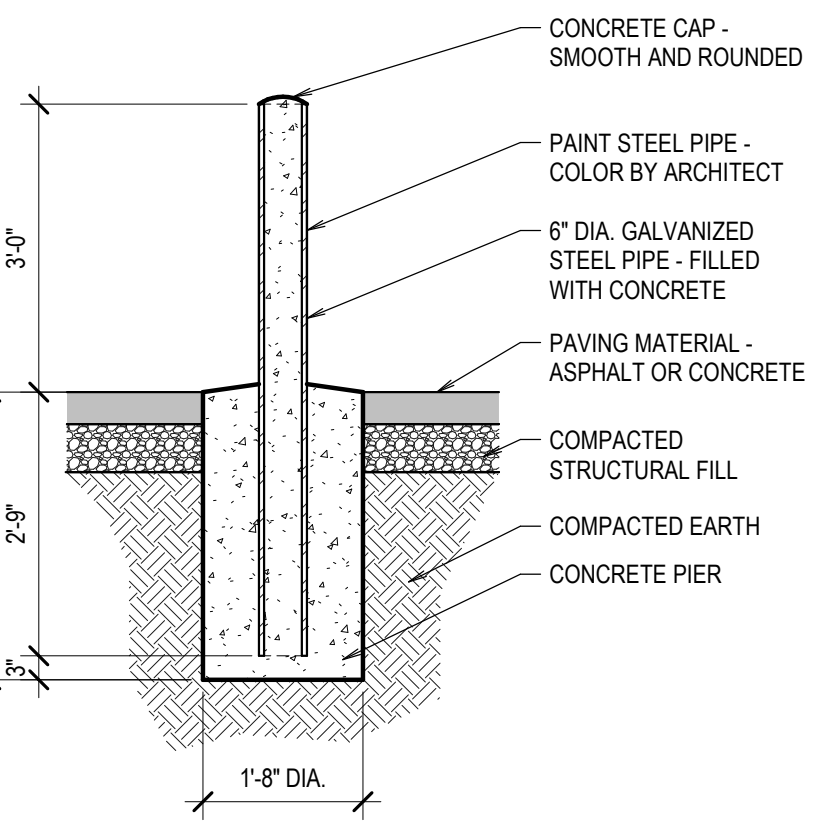
NO.	REVISIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

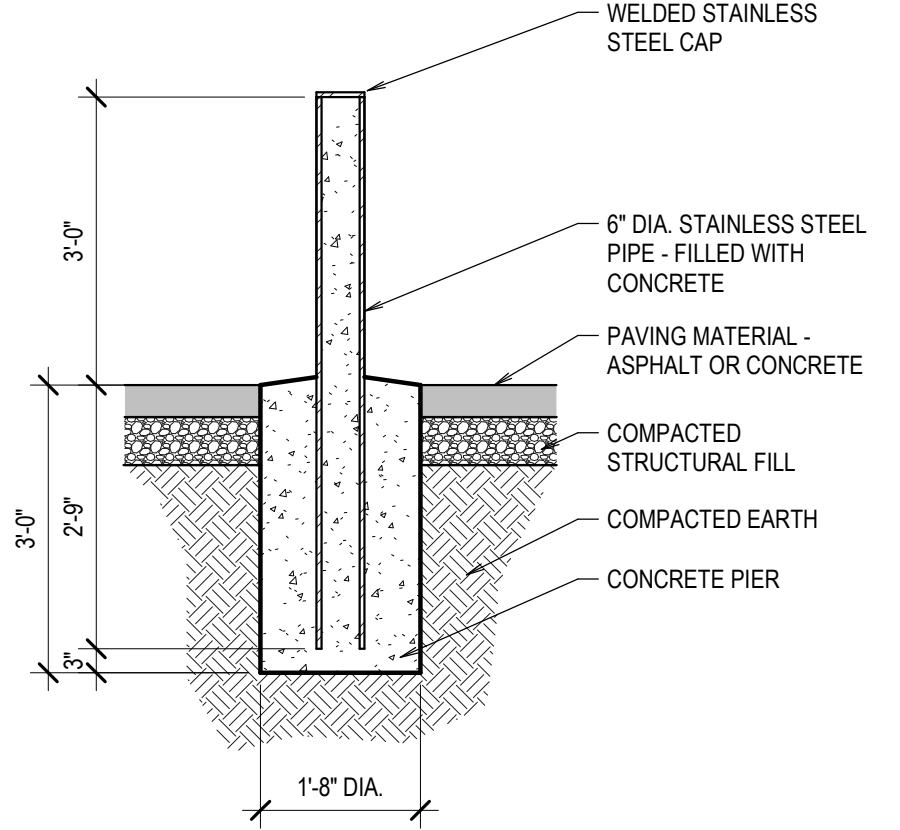
DRAWING NO.: **SD1.2**

Approved
 State of Idaho
 Division of Building Safety

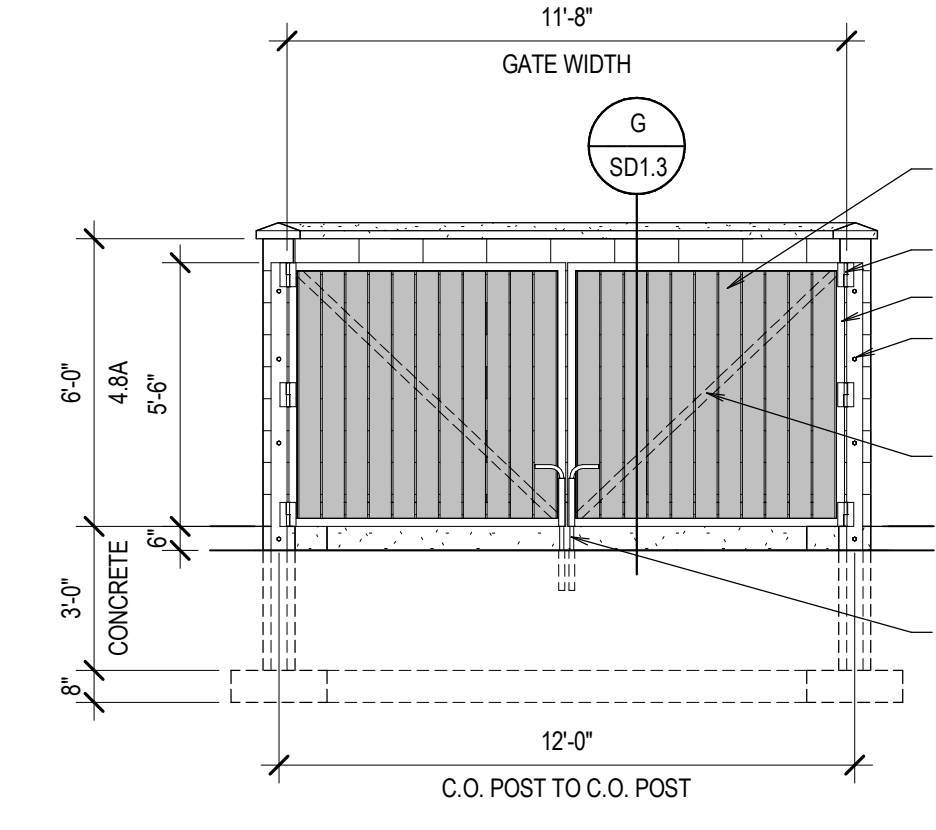
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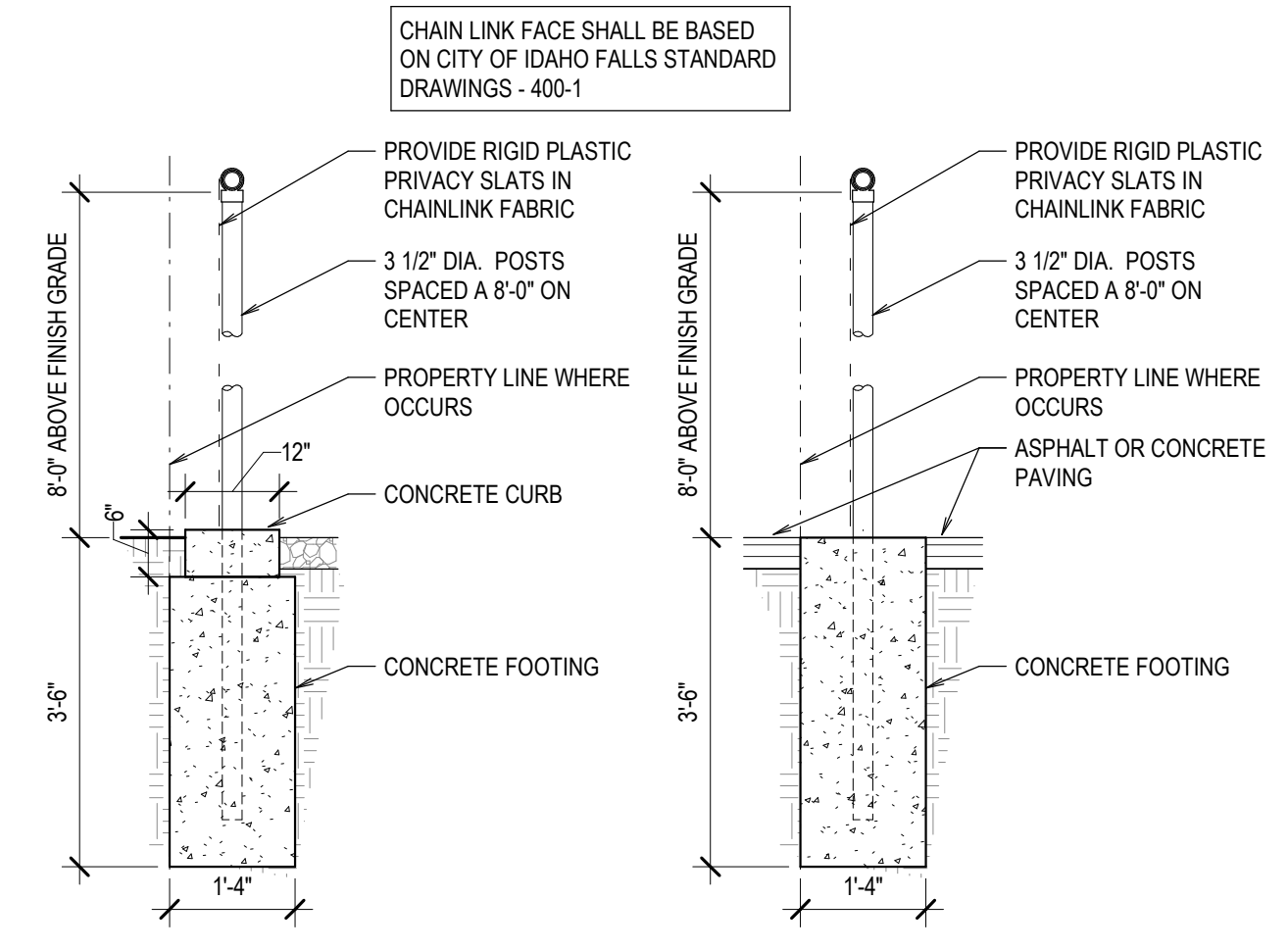
A BOLLARD FOR DUMPSTER
 SD1.3 SCALE: 1/2" = 1'-0"



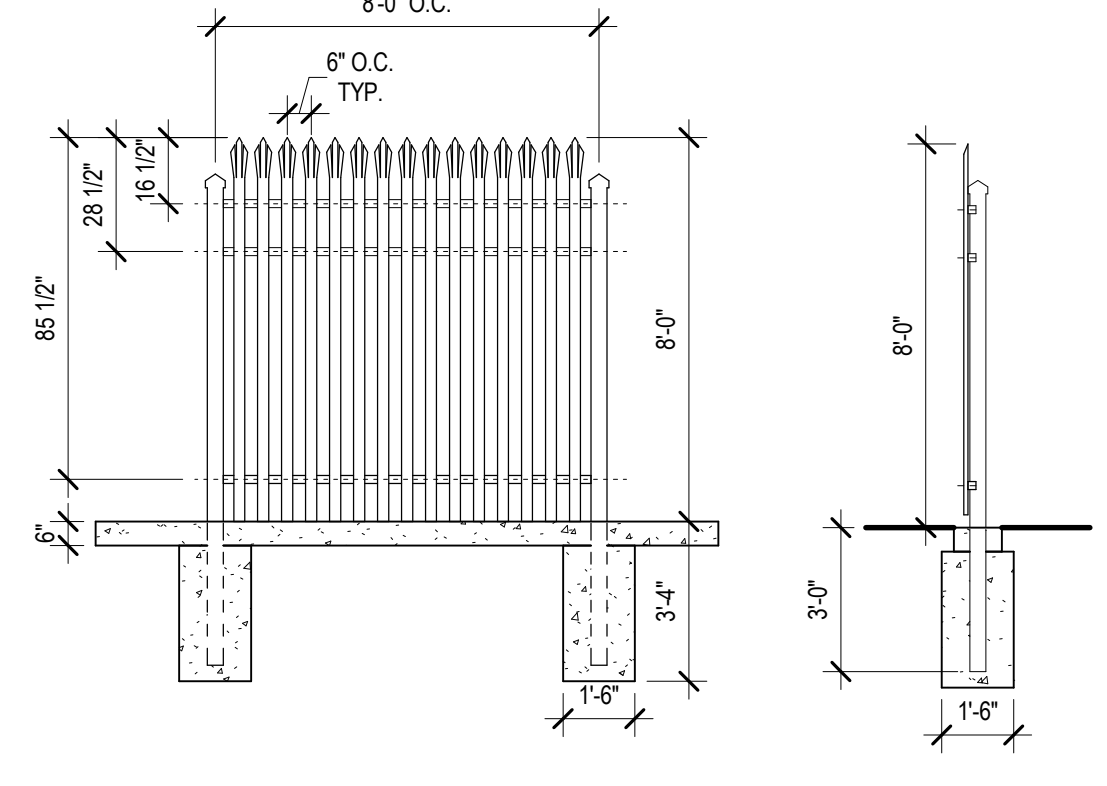
B BOLLARD
 SD1.3 SCALE: 1/2" = 1'-0"



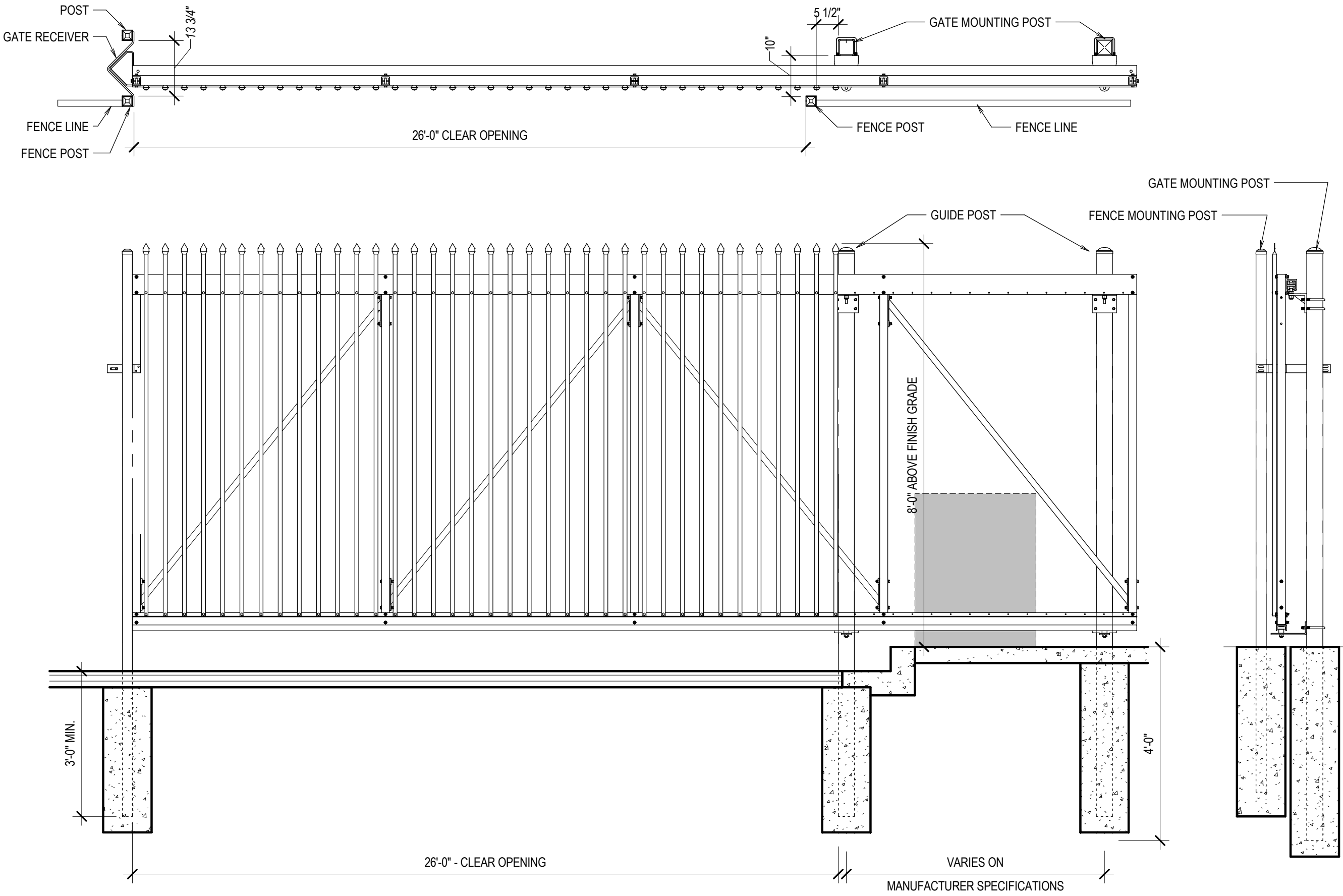
C ELEVATION
 SD1.3 SCALE: 1/4" = 1'-0"



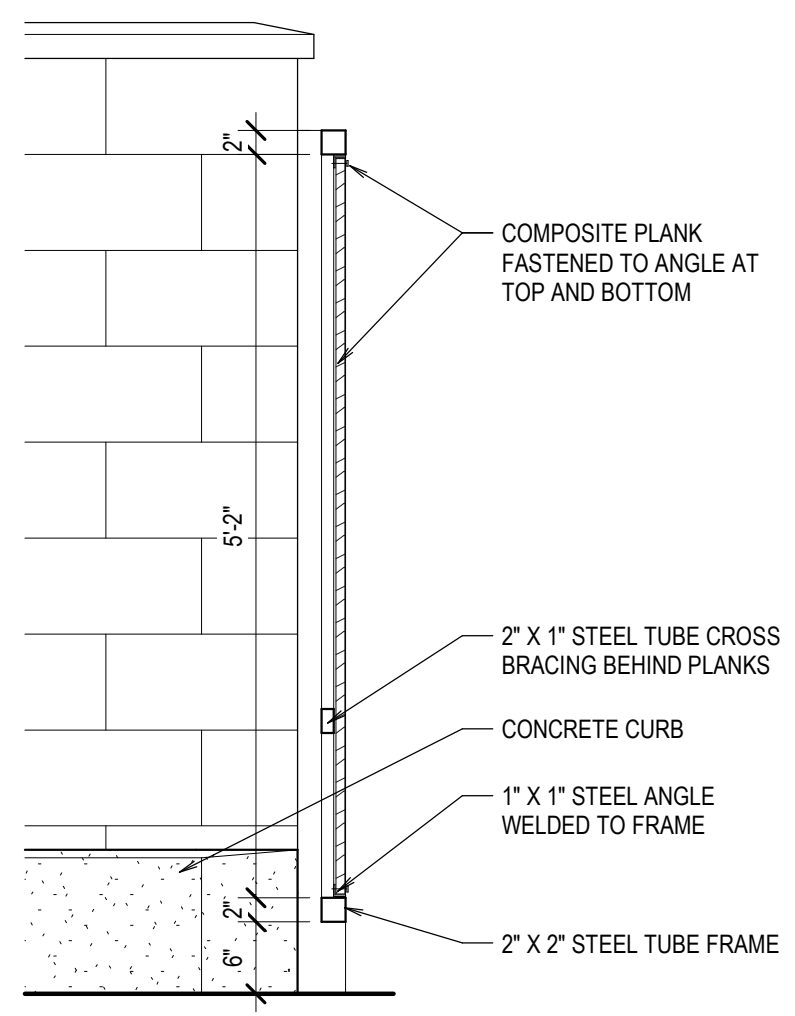
D CHAIN LINK FENCE
 SD1.3 SCALE: 1/2" = 1'-0"



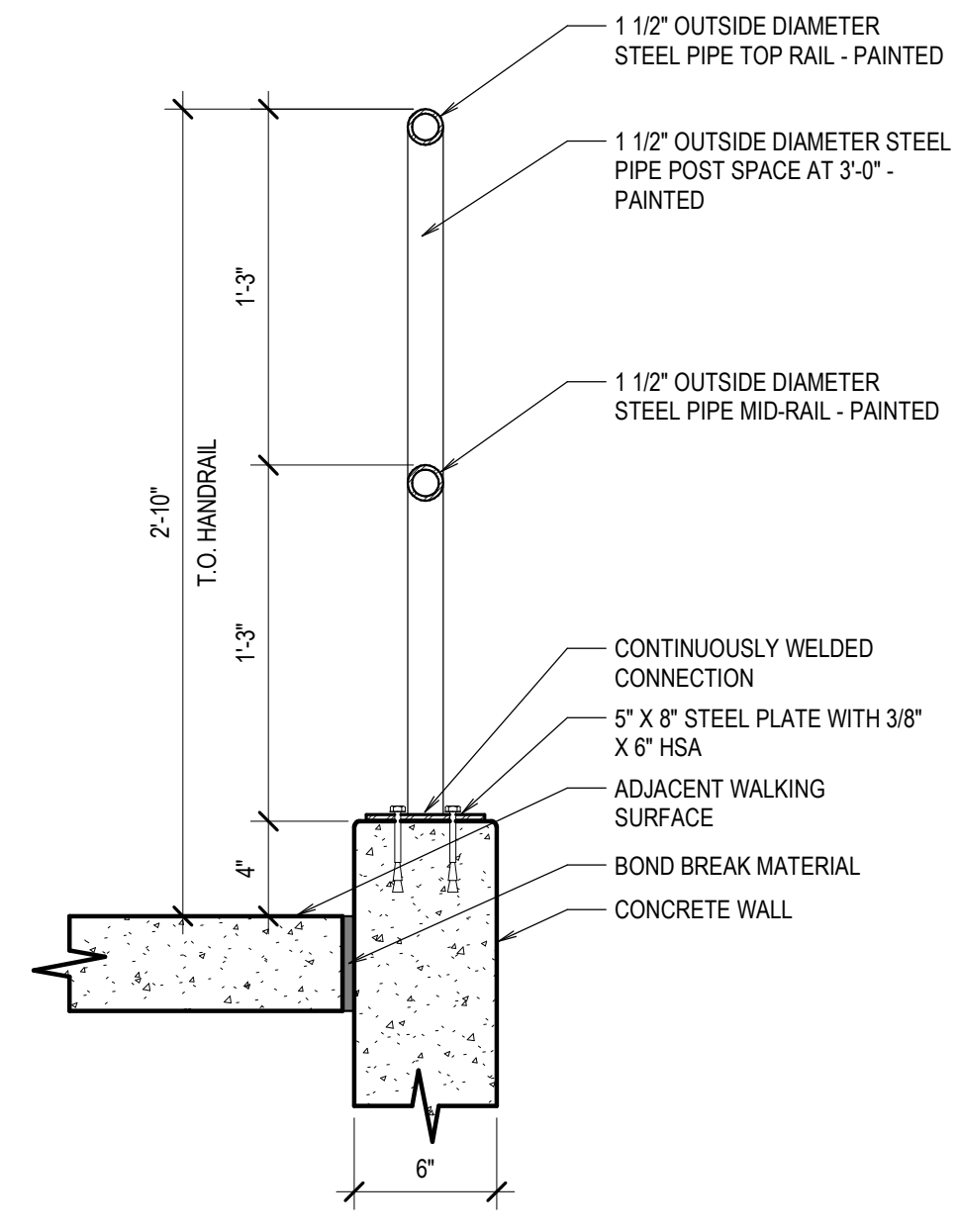
E DECORATIVE FENCE ELEVATION
 SD1.3 SCALE: 1/4" = 1'-0"



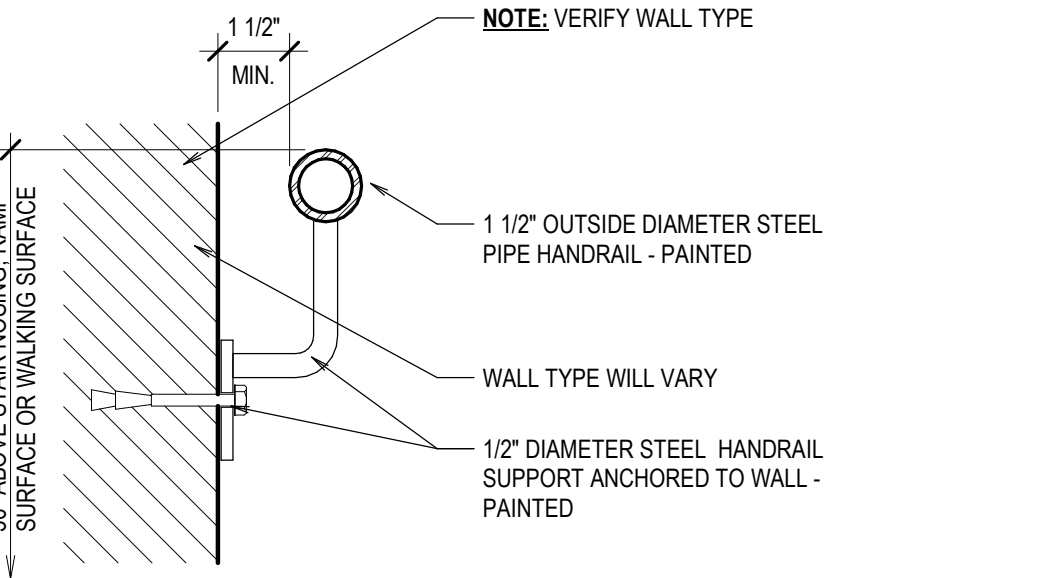
F CANTILEVER SLIDING GATE
 SD1.3 SCALE: 1/2" = 1'-0"



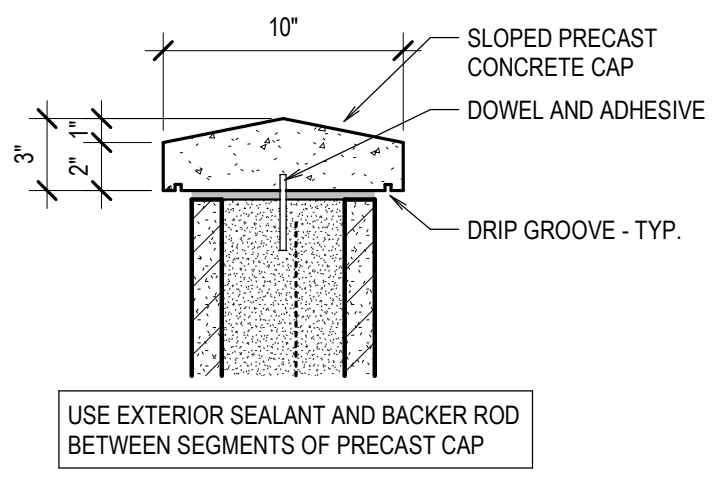
G SECTION
 SD1.3 SCALE: 3/4" = 1'-0"



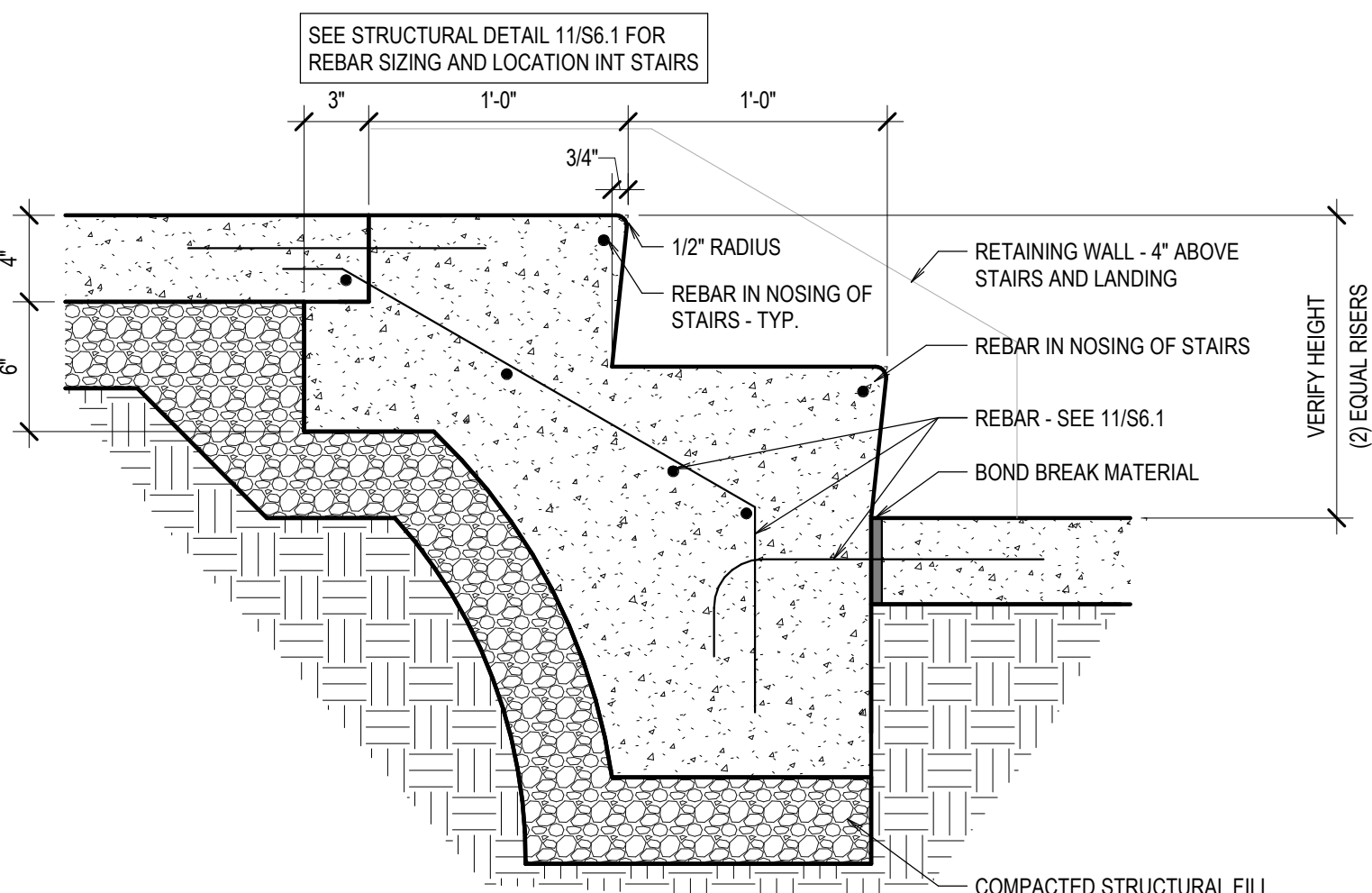
H DETAIL
 SD1.3 SCALE: 1 1/2" = 1'-0"



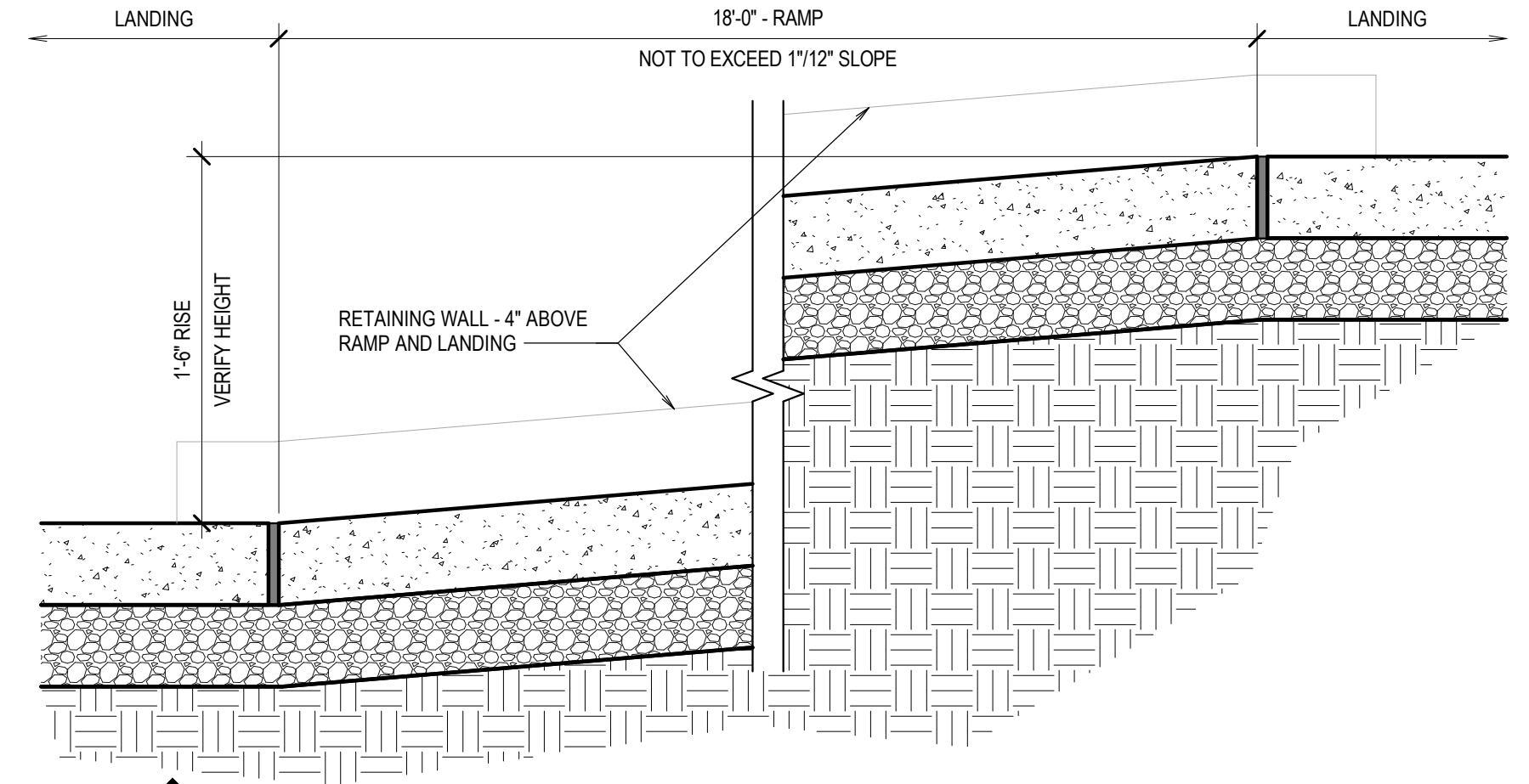
J DETAIL
 SD1.3 SCALE: 3" = 1'-0"



K DETAIL
 SD1.3 SCALE: 1 1/2" = 1'-0"



L DETAIL
 SD1.3 SCALE: 1 1/2" = 1'-0"



M RAMP SECTION
 SD1.3 SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT
 MICHAEL HANSEN
 10300204
 STATE OF IDAHO

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

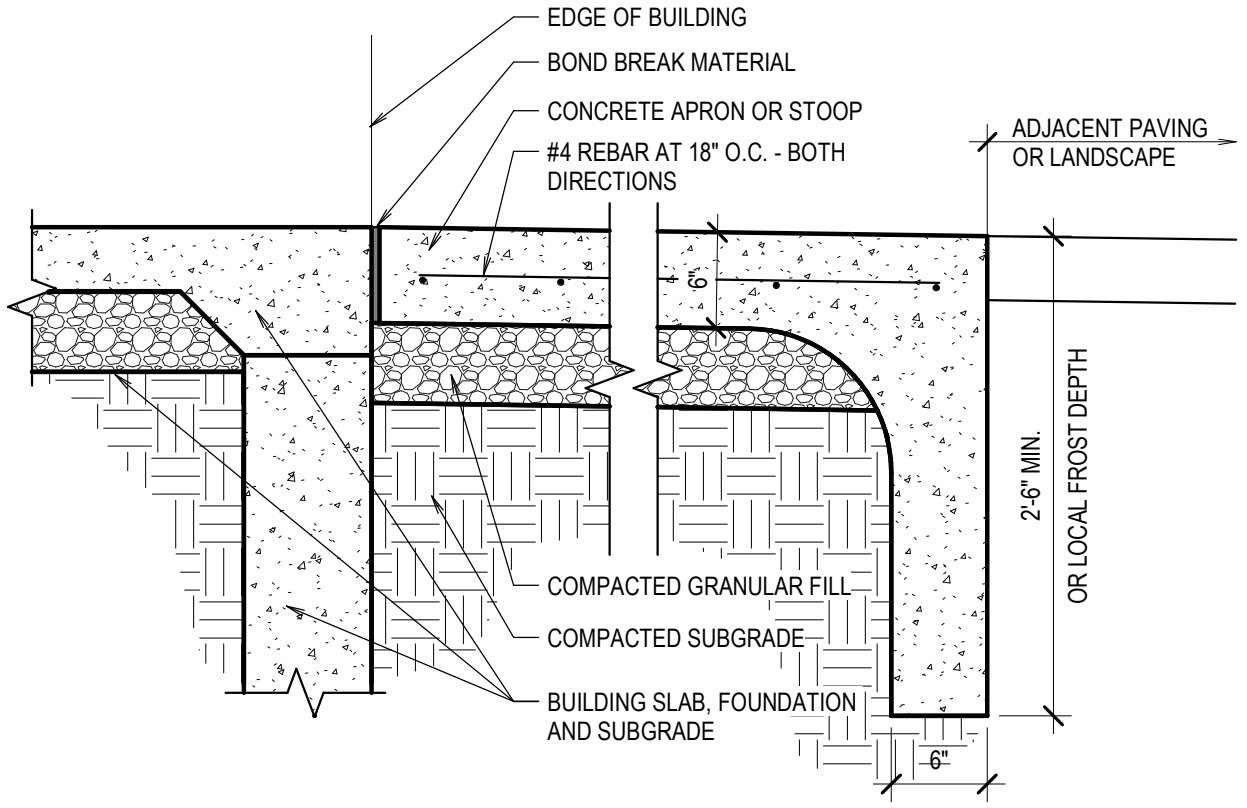
PROJECT: SHEET TITLE:

REVISIONS

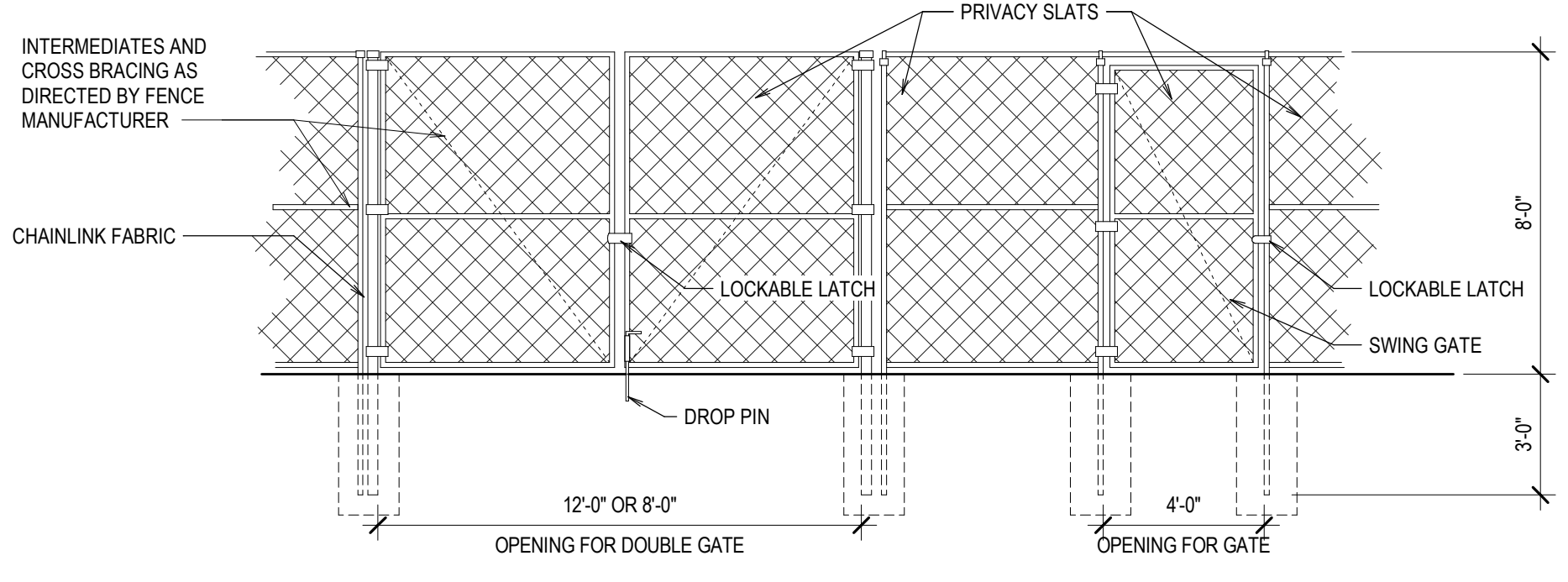
PROJECT NO. 21034
 DATE: OCTOBER 2024
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 CHECKED BY: NRH

DRAWING NO.:

SD1.3

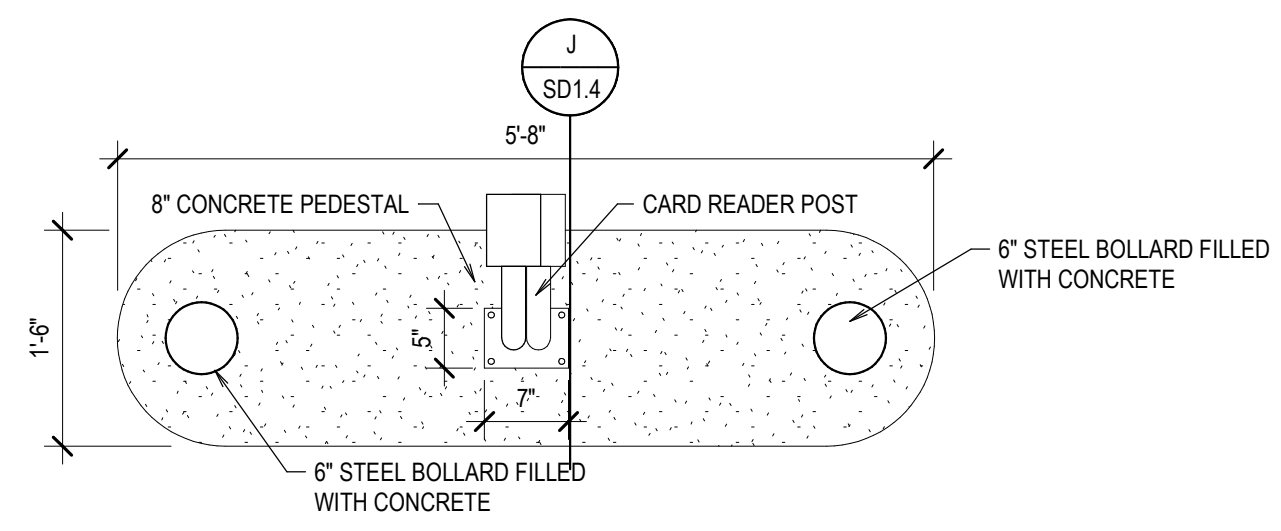


A FROST WALL DETAIL
 SD1.4 SCALE: 1" = 1'-0"

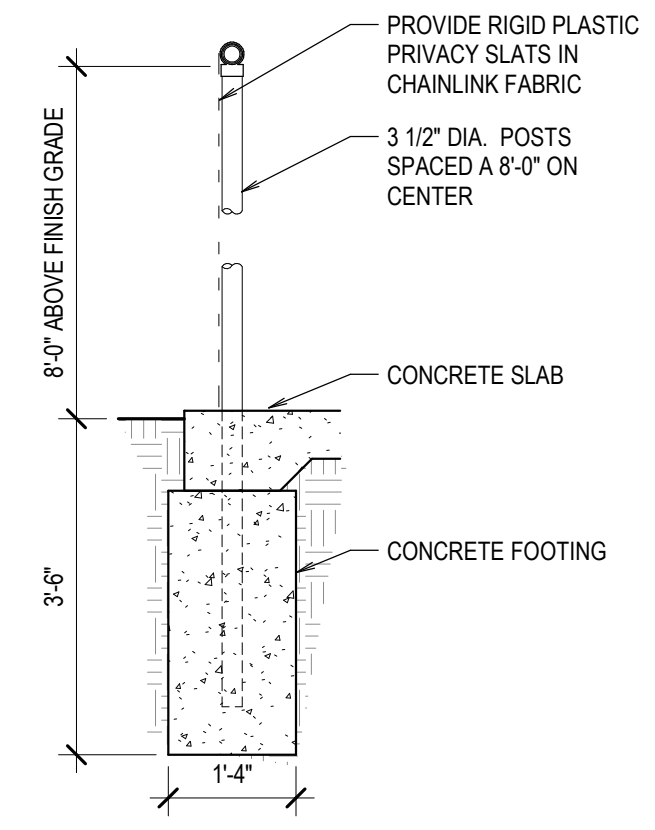


B DETAIL
 SD1.4 SCALE: 1/4" = 1'-0"

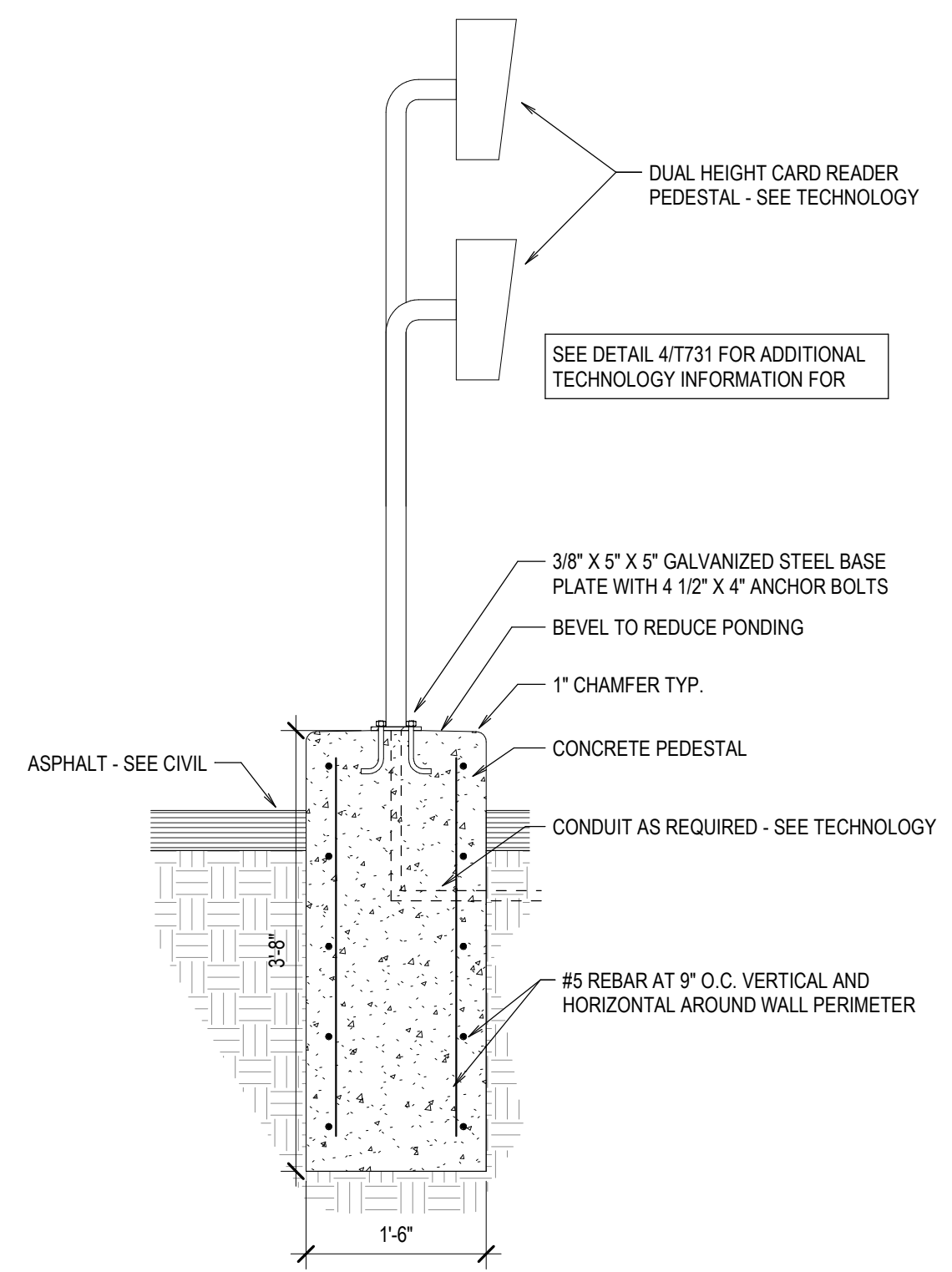
CHAIN LINK FACE SHALL BE BASED ON CITY OF IDAHO FALLS STANDARD DRAWINGS - 400-1



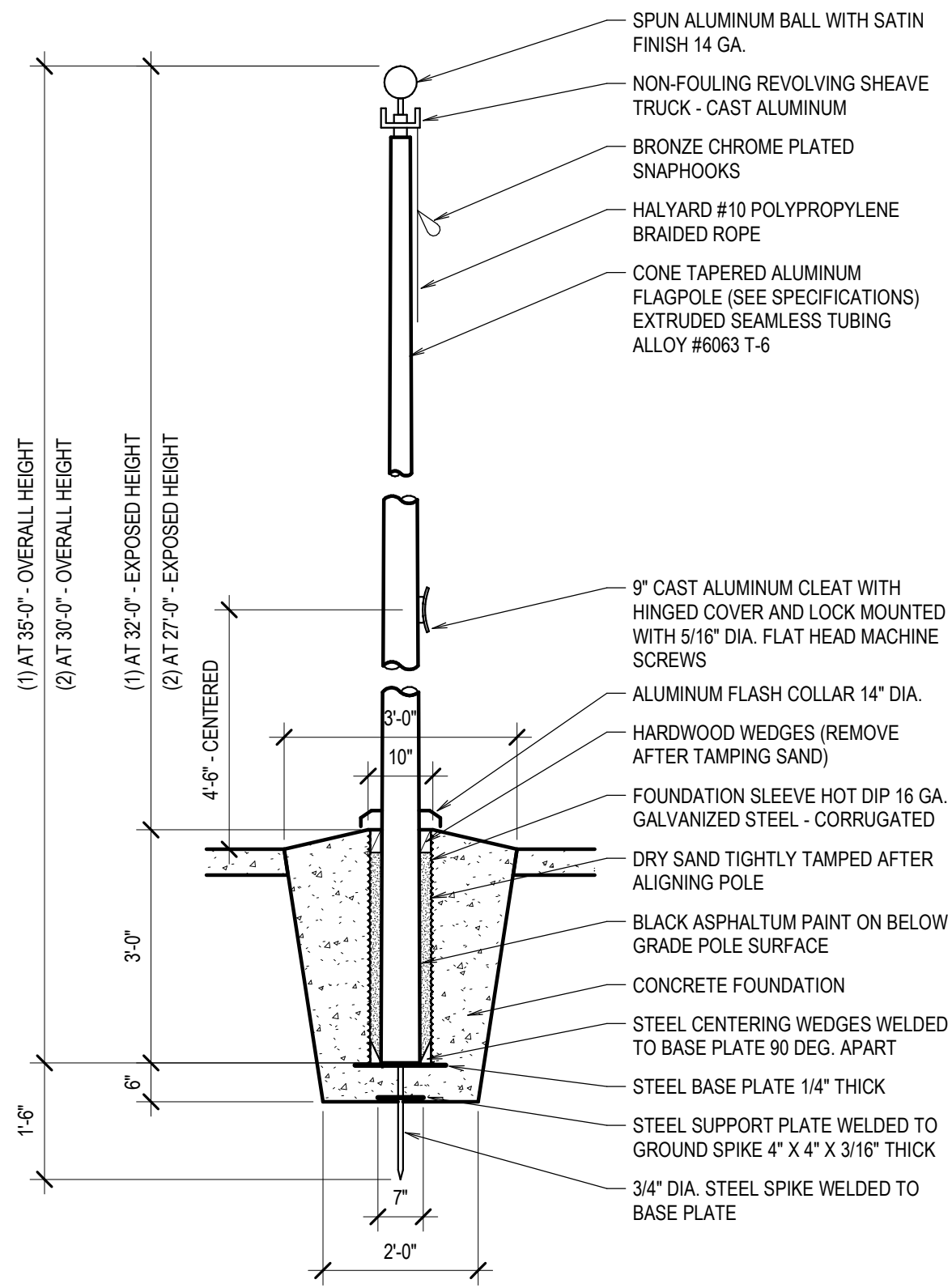
E CARD READER PEDESTAL
 SD1.4 SCALE: 3/4" = 1'-0"



F DETAIL
 SD1.4 SCALE: 1/2" = 1'-0"



J CARD READER
 SD1.4 SCALE: 3/4" = 1'-0"



K FLAG POLE
 SD1.4 SCALE: 1/2" = 1'-0"



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: SITE DETAILS

NO.	REVISIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
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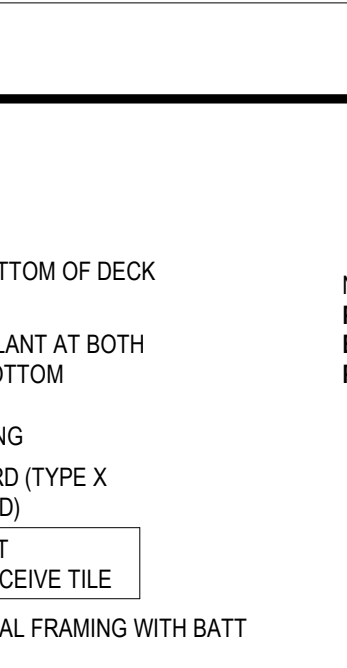
DRAWING NO.:

SD1.4

These documents are approved for construction. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals.

Division of Building Safety
State of Idaho
Approved

TERMINATE AT BOTTOM OF DECK ABOVE
CONTINUOUS SEALANT AT BOTH SIDES TOP AND BOTTOM
SCHEDULED CEILING
5/8" GYPSUM BOARD (TYPE X WHERE FIRE RATED)
CEMENT BOARD AT LOCATIONS TO RECEIVE TILE
LIGHT GAUGE METAL FRAMING WITH BATT INSULATION
SCHEDULED BASE
CONTINUOUS SEALANT AT BOTH SIDES TOP AND BOTTOM
SCHEDULED FINISH



9.3A 3 5/8" METAL STUD PARTITION
1"=1'-0" GYPSUM BOARD BOTH SIDES

9.3B 3 5/8" METAL STUD PARTITION
1"=1'-0" GYPSUM BOARD ONE SIDE

9.6A 6" METAL STUD PARTITION
1"=1'-0" GYPSUM BOARD BOTH SIDES

9.6B 6" METAL STUD PARTITION
1"=1'-0" GYPSUM BOARD ONE SIDE

9.8A 8" METAL STUD PARTITION
1"=1'-0" GYPSUM BOARD BOTH SIDES

9.3AB 3 5/8" METAL STUD PARTITION - PARTIAL HEIGHT
1"=1'-0" GYPSUM BOARD BOTH SIDES

9.3A.1 3 5/8" METAL STUD PARTITION - 1-HR RATED
1"=1'-0" U419 UL263 - WITH TYPE "X" GYPSUM BOARD

9.6A.1 6" METAL STUD PARTITION - 1-HR RATED
1"=1'-0" U419 UL263 - WITH TYPE "X" GYPSUM BOARD

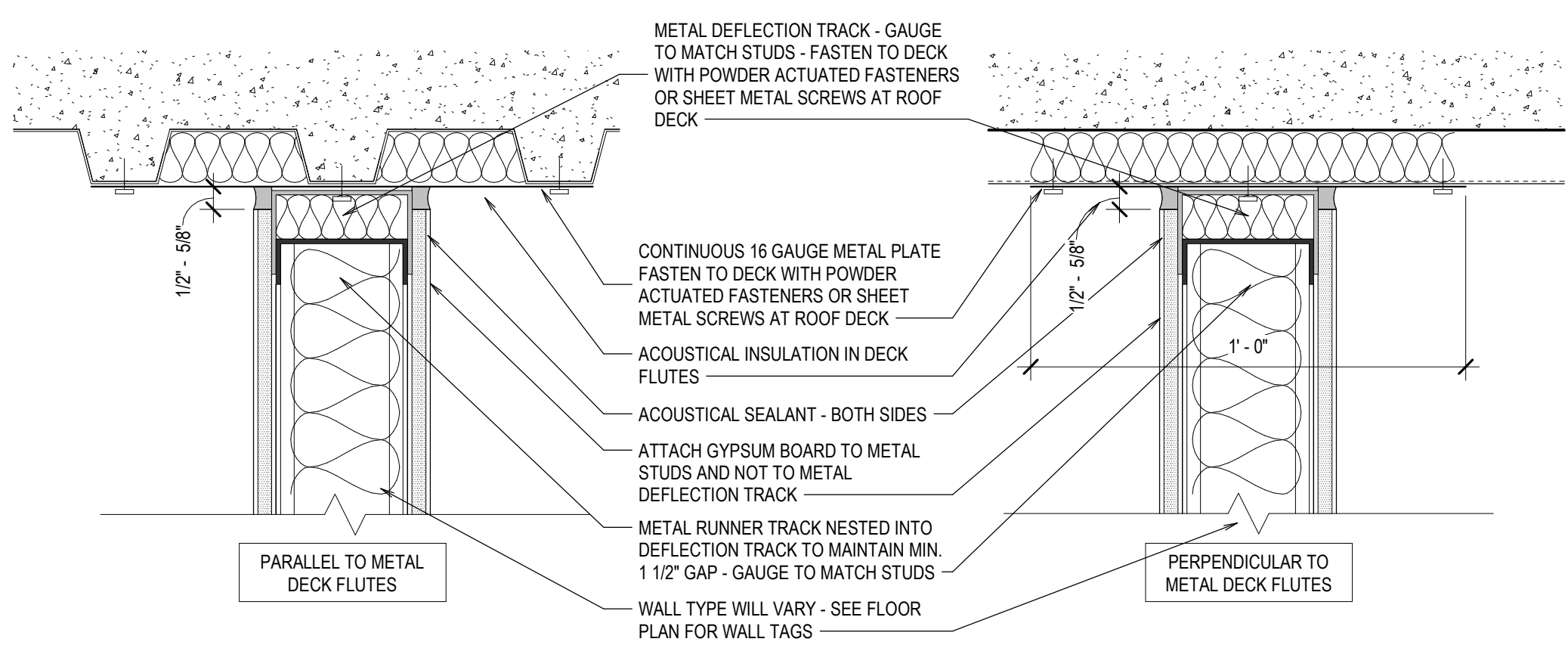
9.6A.2 6" METAL STUD PARTITION - 2-HR RATED
1"=1'-0" U419 UL263 - WITH (2) LAYERS TYPE "X" GYPSUM BOARD EACH SIDE

9.3H 3 5/8" METAL STUD PARTITION - UNINSULATED
1"=1'-0"

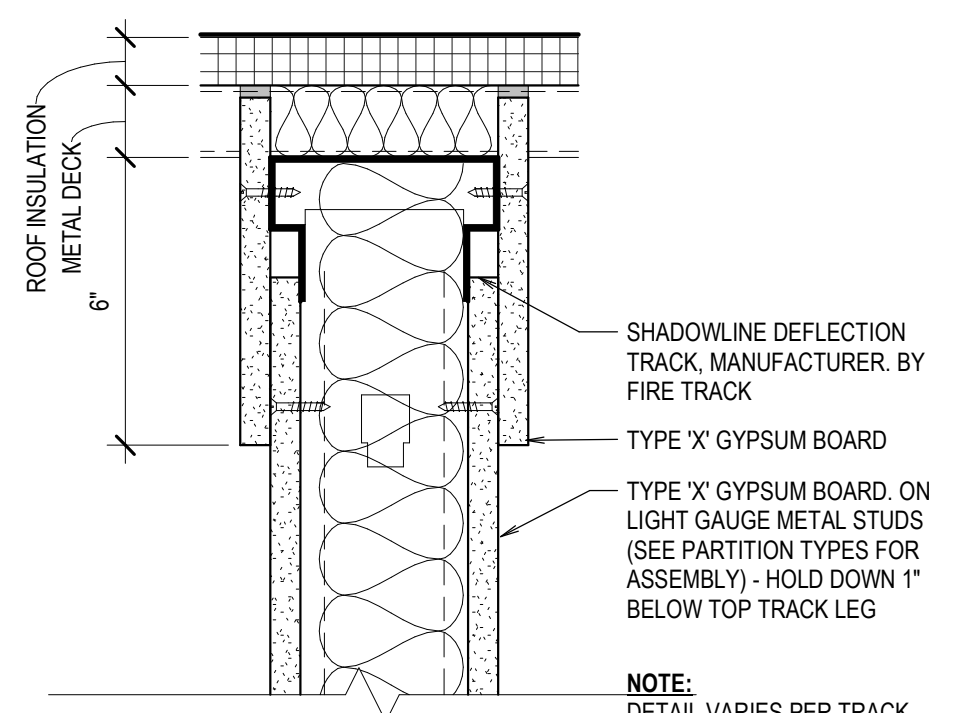
9.6H 6" METAL STUD PARTITION - UNINSULATED
1"=1'-0"

WALL TYPE DETAILS

SCALE: 1" = 1'-0"

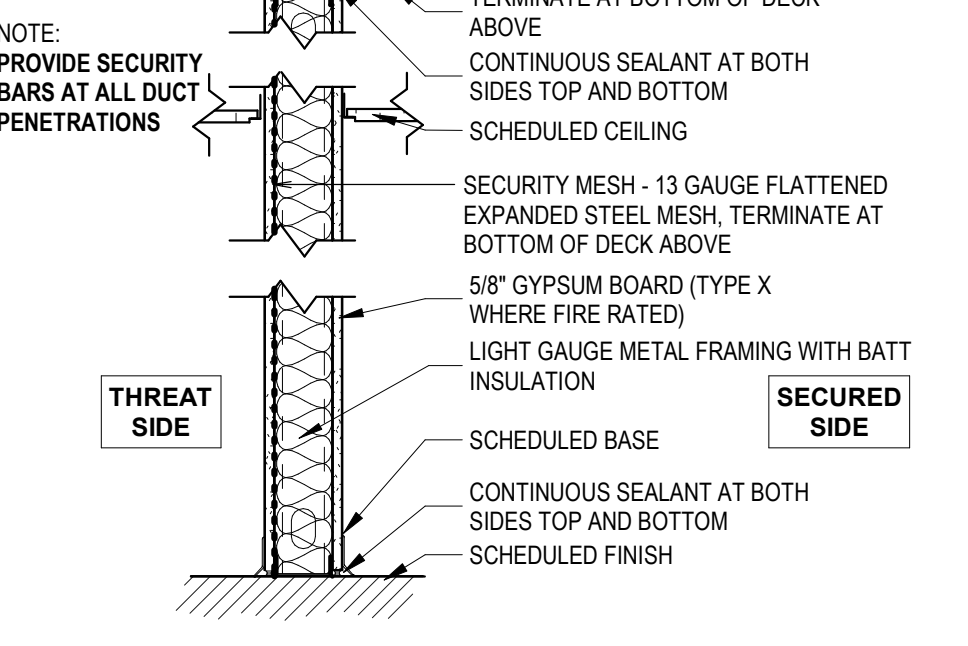


ACOUSTICAL

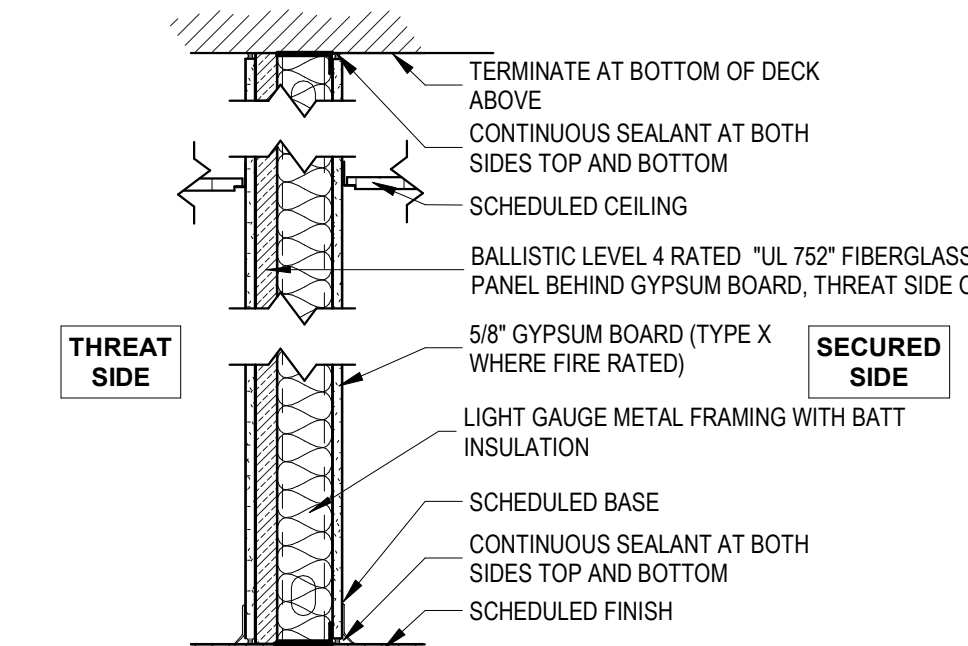


NOTE: DETAIL VARIES PER TRACK MANUFACTURER. PROVIDE ALTERNATE DETAIL SUBMITTAL FOR ARCHITECTS APPROVAL

4 ACOUSTICAL SEPARATION
SCALE: 3" = 1'-0"

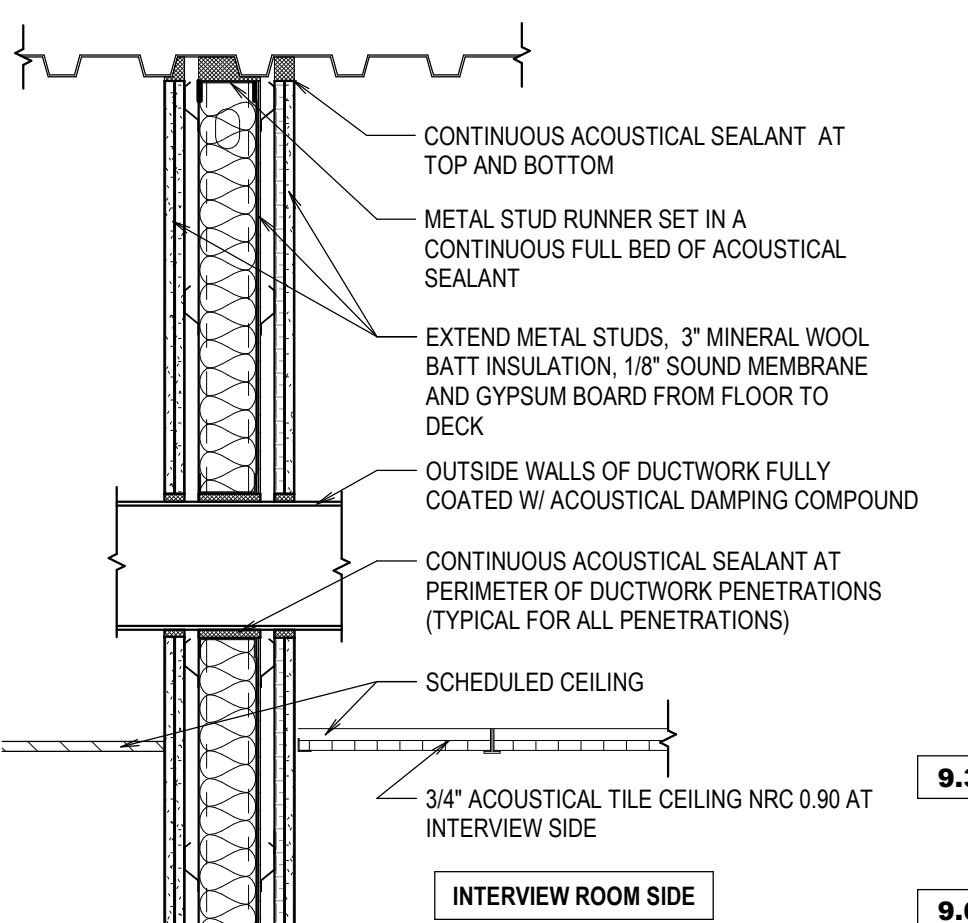


9.3S 3 5/8" METAL STUD PARTITION - SECURITY WALL
1"=1'-0"

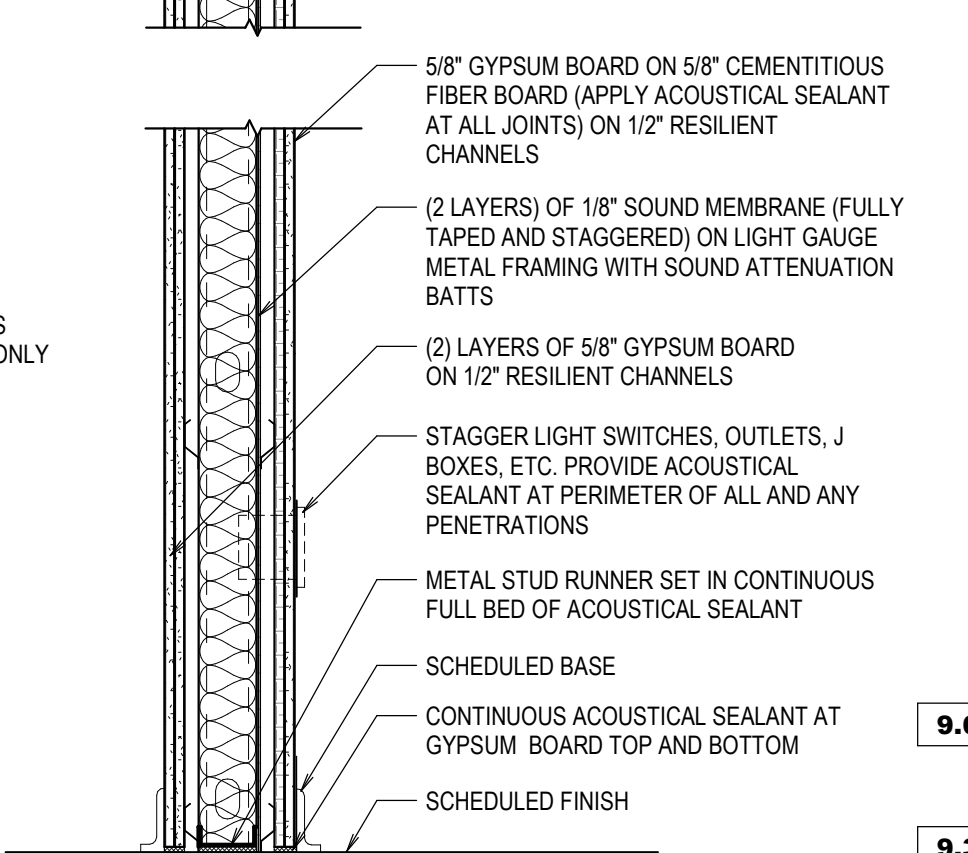


9.3C 3 5/8" METAL STUD PARTITION - BALLISTIC FIBERGLASS
1"=1'-0"

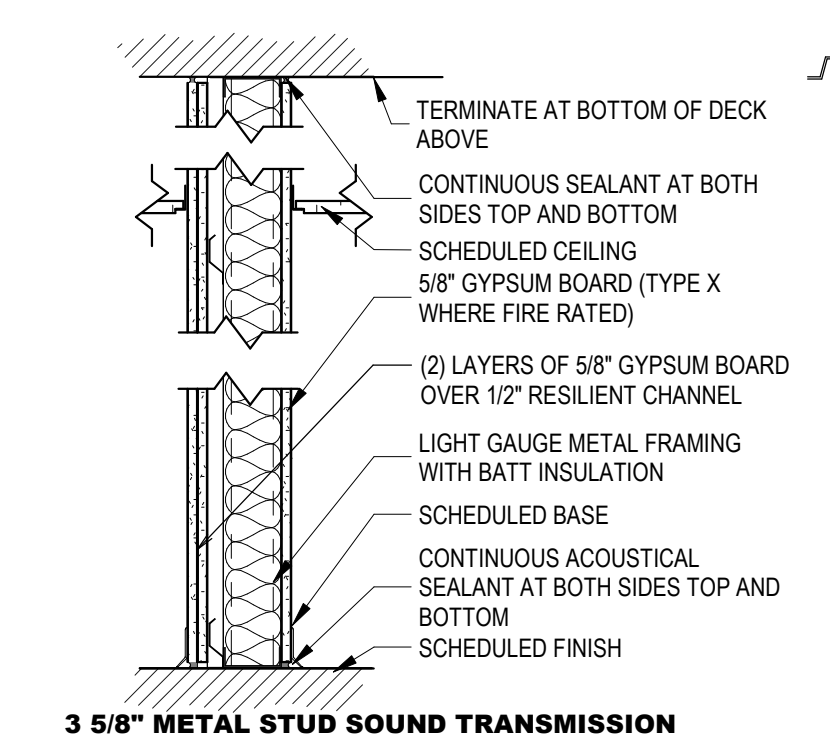
9.6C 6" METAL STUD PARTITION - BALLISTIC FIBERGLASS
1"=1'-0" SIMILAR TO 9.3C WITH 6" METAL STUDS



9.3D 3 5/8" METAL STUD ACOUSTIC PARTITION
1"=1'-0" STC 61 MIN. *FIELD TEST TO VERIFY

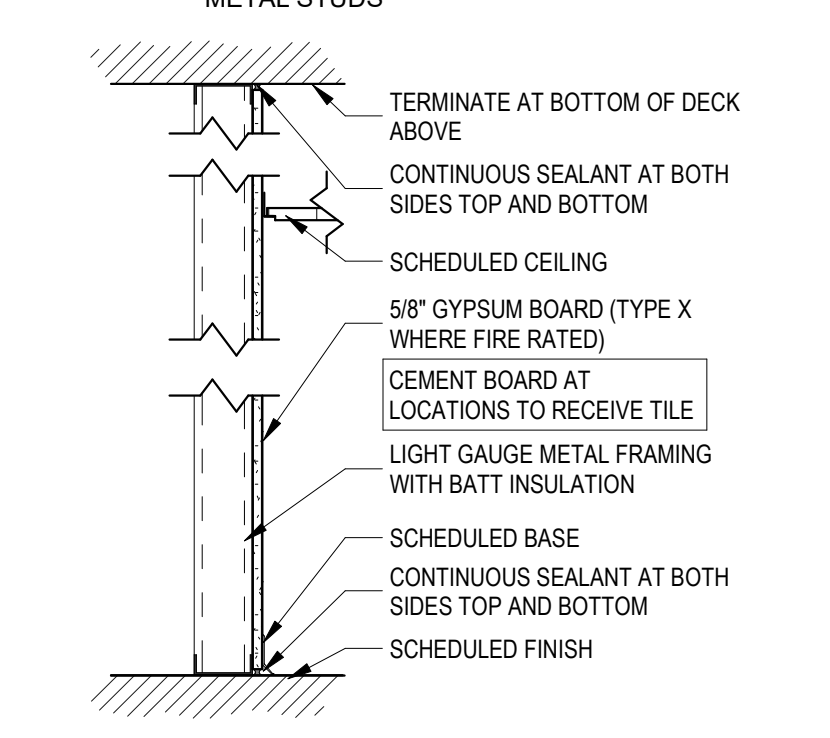


9.6D 6" METAL STUD ACOUSTIC PARTITION
1"=1'-0" STC 61 MIN. *FIELD TEST TO VERIFY



9.3E 3 5/8" METAL STUD SOUND TRANSMISSION REDUCTION PARTITION
1"=1'-0" U451 STC 54

9.6E 6" METAL STUD SOUND TRANSMISSION REDUCTION PARTITION
1"=1'-0" SIMILAR TO 9.3E WITH 6" METAL STUDS

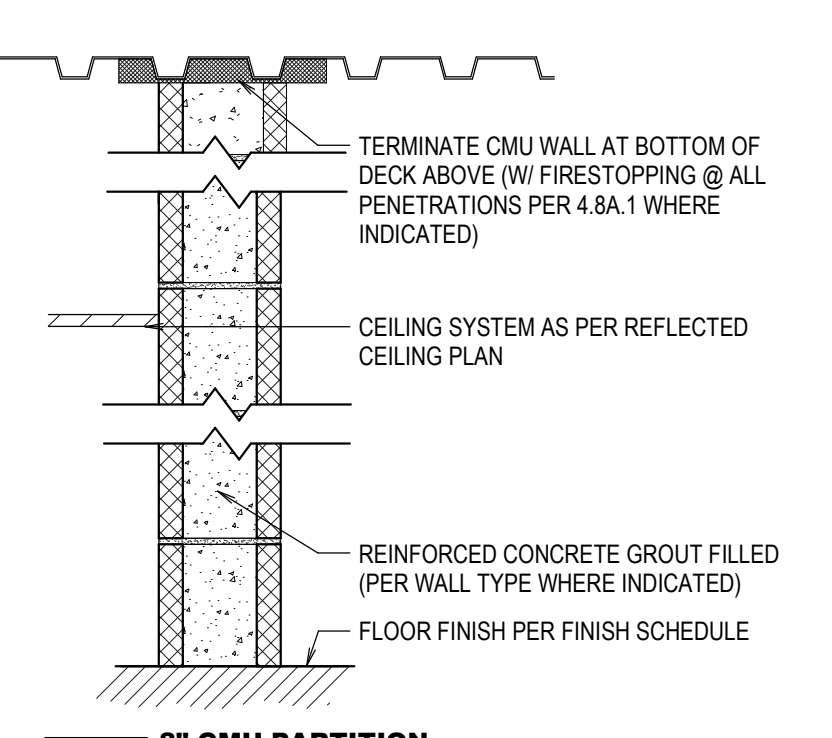


9.6B 6" METAL STUD FURRING
1"=1'-0"

9.3B 3 5/8" METAL STUD FURRING
1"=1'-0"

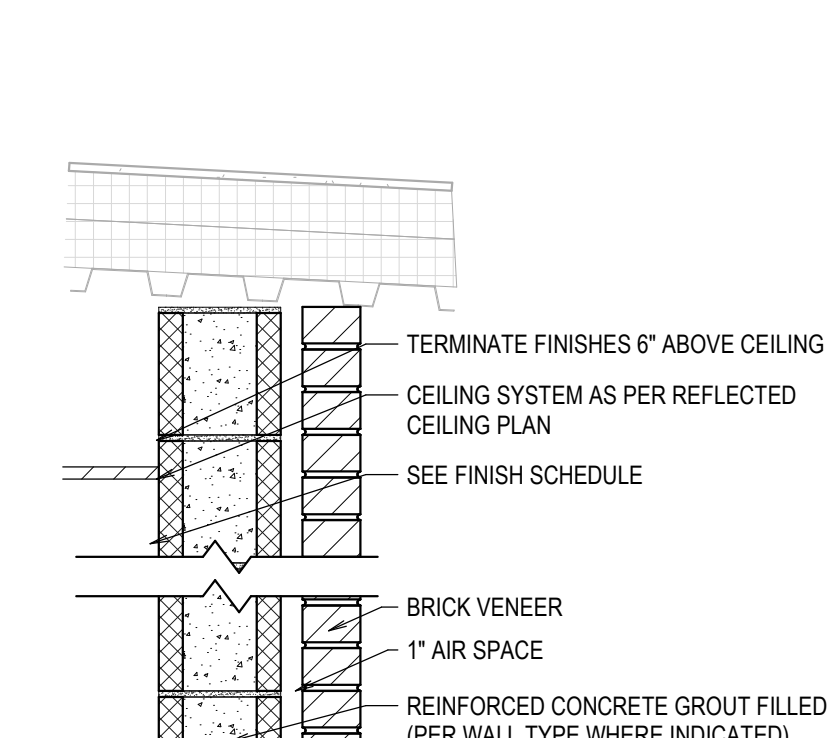
9.2B 2 1/2" METAL STUD FURRING
1"=1'-0" SIMILAR TO 9.3B WITH 2 1/2" METAL STUD

9.1B 1 5/8" METAL STUD FURRING
1"=1'-0" SIMILAR TO 9.3B WITH 1 5/8" METAL STUD

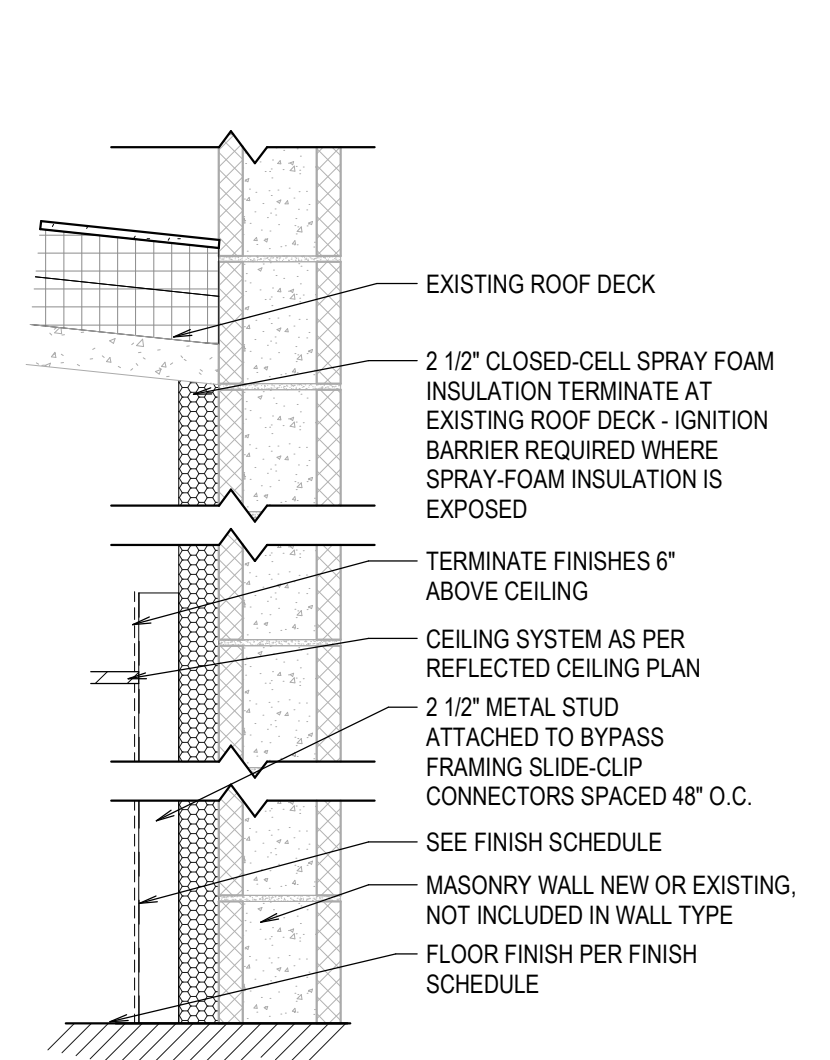


4.8A 8" CMU PARTITION
1"=1'-0"

4.12A 12" CMU PARTITION
1"=1'-0"



4.8B 8" CMU W/ BRICK VENEER
1"=1'-0"



7.5A INSULATION FURR OUT EXTERIOR WALLS
1"=1'-0"

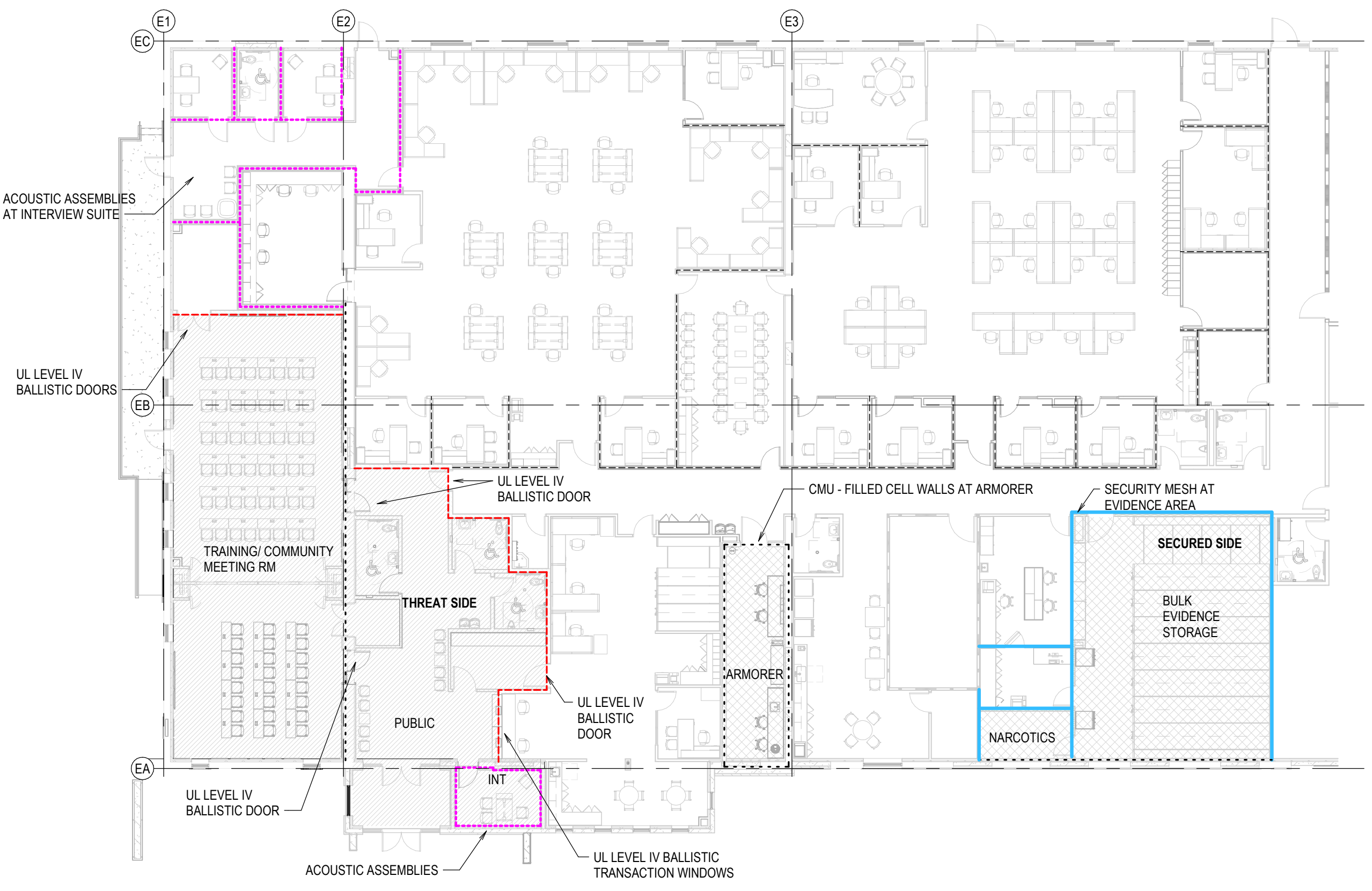
SPECIALTY ASSEMBLIES LEGEND

- ACOUSTIC PARTITION
- BALLISTIC PARTITION
- SECURITY MESH PARTITION
- ACOUSTIC PARTITION
- CMU - GROUT FILLED CELL-BALLISTIC

1. ACOUSTIC RATING AND BALLISTIC RESISTANCE RATING IS TO PROVIDE CONTINUOUS AND UNINTERRUPTED PROTECTION (THIS INCLUDES WINDOWS, DOORS AND OTHER OPENINGS IN THE BALLISTIC ENVELOPE)

2. ACOUSTIC RATING AND BALLISTIC RESISTANCE RATING OF OPENINGS (DOORS, WINDOWS, ACCESS PANELS, ETC.) TO MATCH RATING OF ADJACENT RATED ASSEMBLIES U.N.O.

3. REFER TO PARTITION DETAILS, WINDOW AND DOOR SHEETS FOR ADDITIONAL BALLISTIC AND ACOUSTIC DETAILS.



SPECIALTY PARTITION KEYPLAN
SCALE: 1/16" = 1'-0"

LICENSED ARCHITECT
10/30/2024
NICHOLAS HANSEN
STATE OF IDAHO

nbwarchitects.p.a.
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990 100th HOBBS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

PROJECT:
SHEET TITLE:

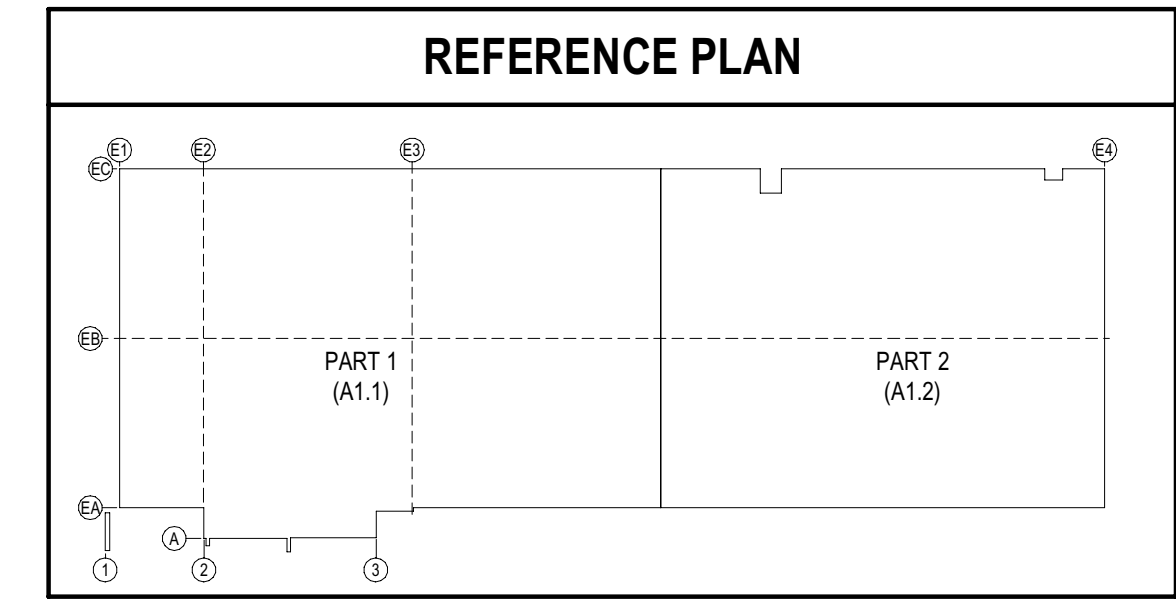
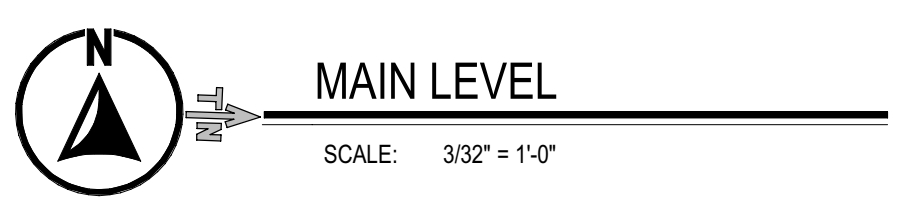
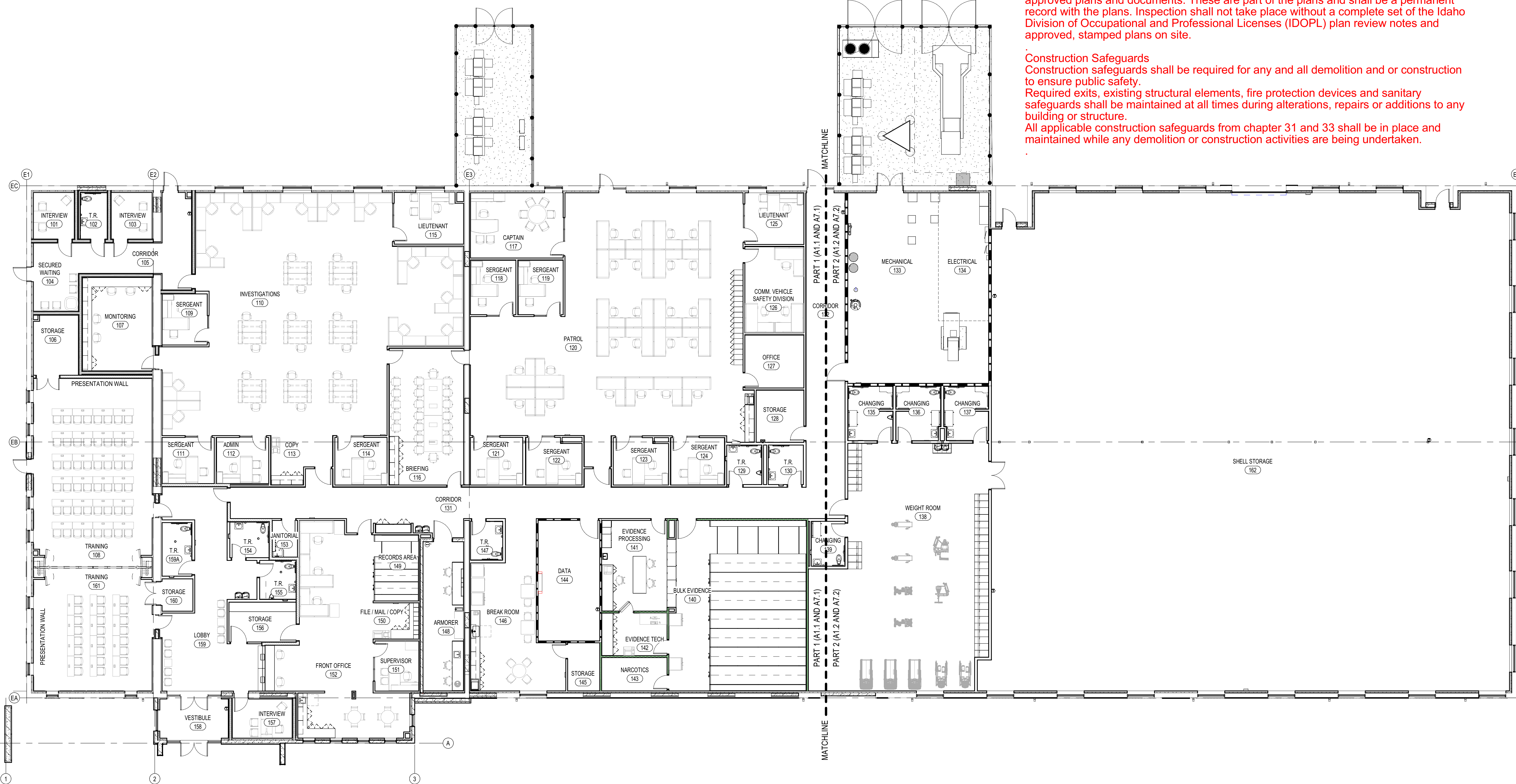
REVISIONS

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CHECKED BY: NRH

DRAWING NO.:

A0.0

These Documents are approved in accordance with the applicable codes, standards, rules and regulations of the State of Idaho. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, rules or rules applicable to this project.



Plan Review Note
 These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards
 Construction safeguards shall be required for any and all demolition and or construction to ensure public safety.
 Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.
 All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.



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 (P) 208-522-8779 (F) 208-522-8795 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

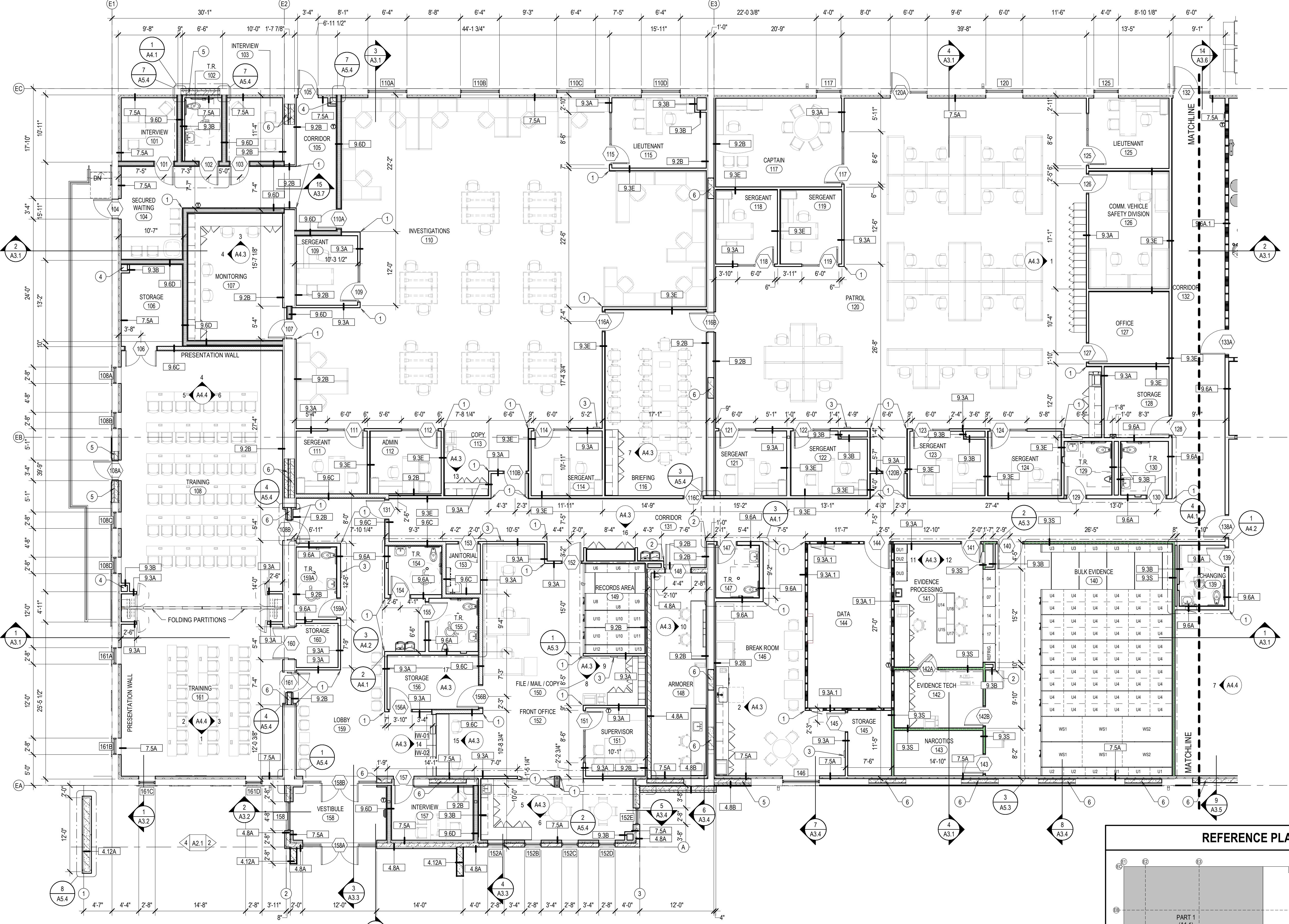
PROJECT:
 SHEET TITLE:
 MAIN FLOOR PLAN

NO.	REVISIONS

PROJECT NO.
 21034
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 NRH/BTH/JNH
 CHECKED BY:
 NRH

DRAWING NO.:

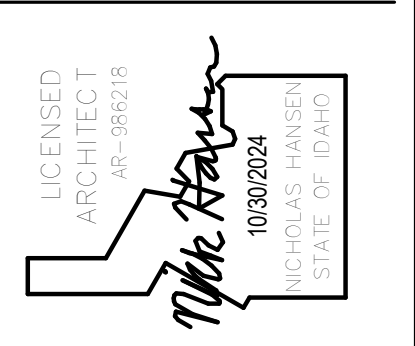
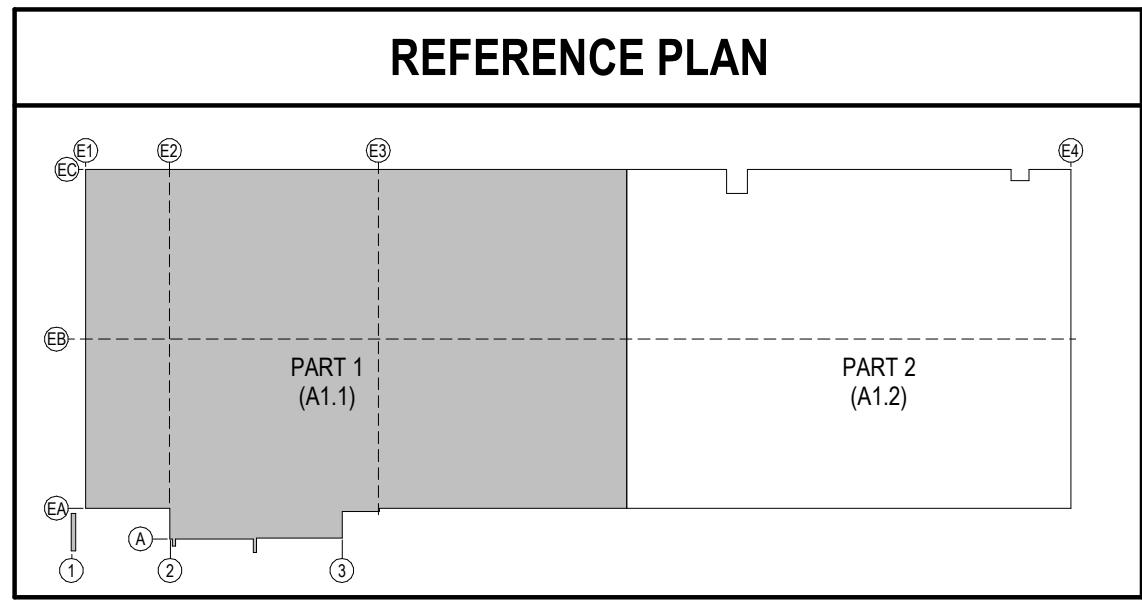
A1.0



MAIN LEVEL PART 1
 SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
- CONTRACTOR SHALL RESOLVE ALL DIMENSIONAL OR OTHER DISCREPANCIES, DURING LAYOUT WITH ARCHITECT, PRIOR TO BEGINNING CONSTRUCTION.
 - ALL WALL-MOUNTED CASEWORK, MILLWORK, GRAB BARS, HARDWARE, EQUIPMENT, ETC. SHALL BE ANCHORED TO WOOD BLOCKING BETWEEN STUDS, U.N.O. COORDINATE BLOCKING PRIOR TO WALL FINISHES, INCLUDING OWNER FURNISHED ITEMS.
 - CAULK ALL INTERIOR JOINTS, U.N.O.
 - ALL WORK TO BE IN ACCORDANCE WITH ALL CODES & ACCESSIBILITY REQUIREMENTS.
 - EXTEND NON-INSULATED STUD WALLS & GYP. BOARD 12" MIN. ABOVE SUSPENDED CEILING, U.N.O.
 - ALL INSULATED INTERIOR WALLS TO EXTEND TO UNDERSIDE OF SECOND FLOOR METAL DECK OR UNDERSIDE OF ROOF METAL DECK FOR SPEECH PRIVACY.
 - USE ISOLATION TAPE BETWEEN ALL DIS-SIMILAR METALS.
 - DIMENSION - FACE OF BRICK FOR EXTERIOR WALLS, DOORS, AND WINDOWS. FACE OF FRAMING FOR INTERIOR WALLS.

- KEYNOTES**
- 48" TALL VINYL CORNER GUARD
 - 48" TALL STAINLESS STEEL CORNER GUARD
 - SEMI RECESSED FIRE EXTINGUISHER CABINETS
 - ROOF DRAIN CHASE - 12" X 12" MIN. INSIDE DIMENSION - 9.3B WALL TYPE
 - BRICK AND CMU INFILL
 - CMU INFILL
 - 6" CONCRETE HOUSE KEEPING PAD
 - SURFACE MOUNTED FIRE EXTINGUISHER CABINETS



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 MAIN FLOOR PLAN PART 1

PROJECT:
 REVISIONS

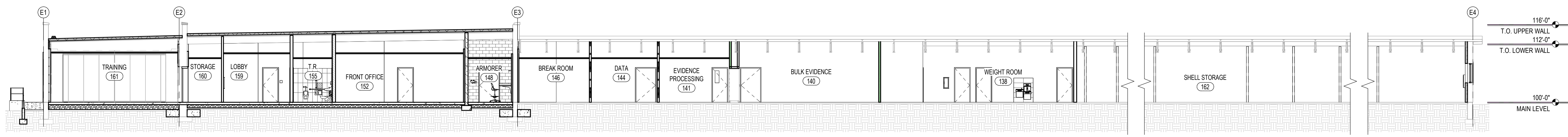
PROJECT NO.
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NRH/BTH/JNH
 CHECKED BY:
 NRH

DRAWING NO.:

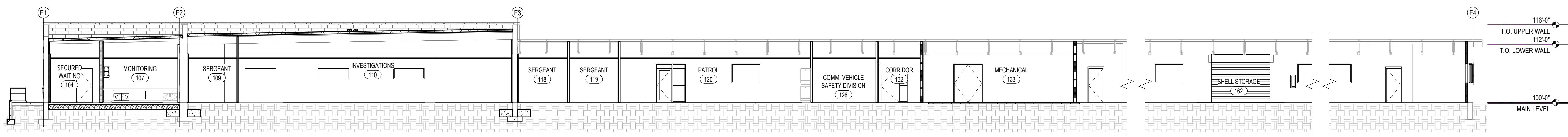
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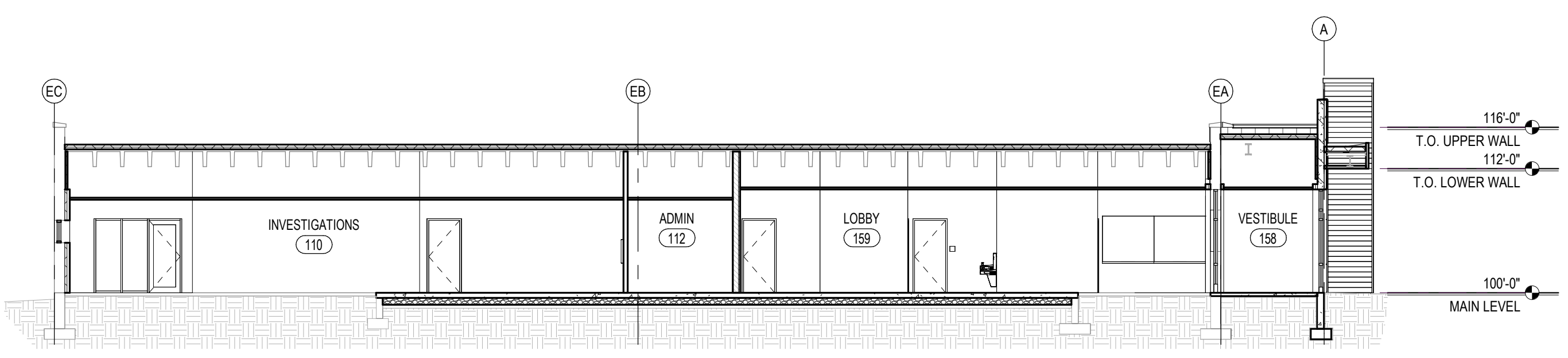
These Documents are approved in full compliance with the applicable codes and rules applicable to this project.



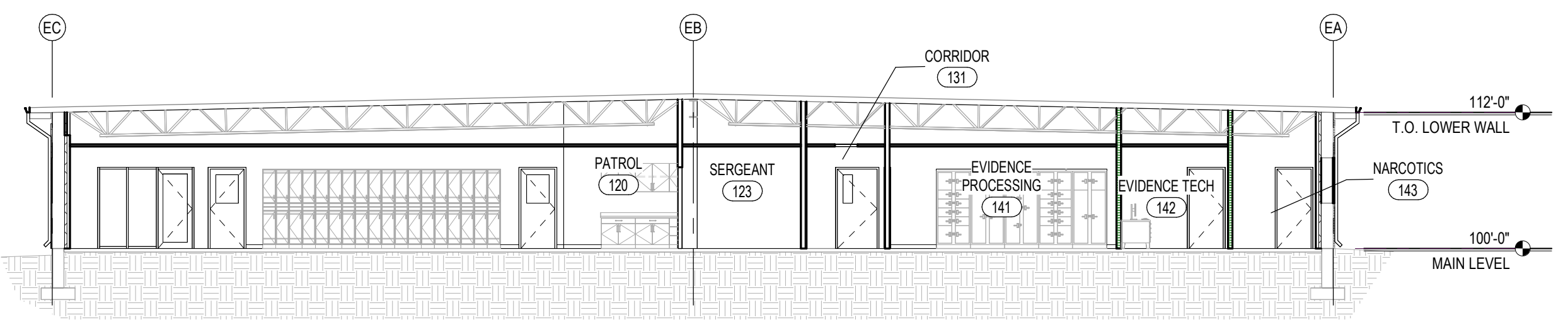
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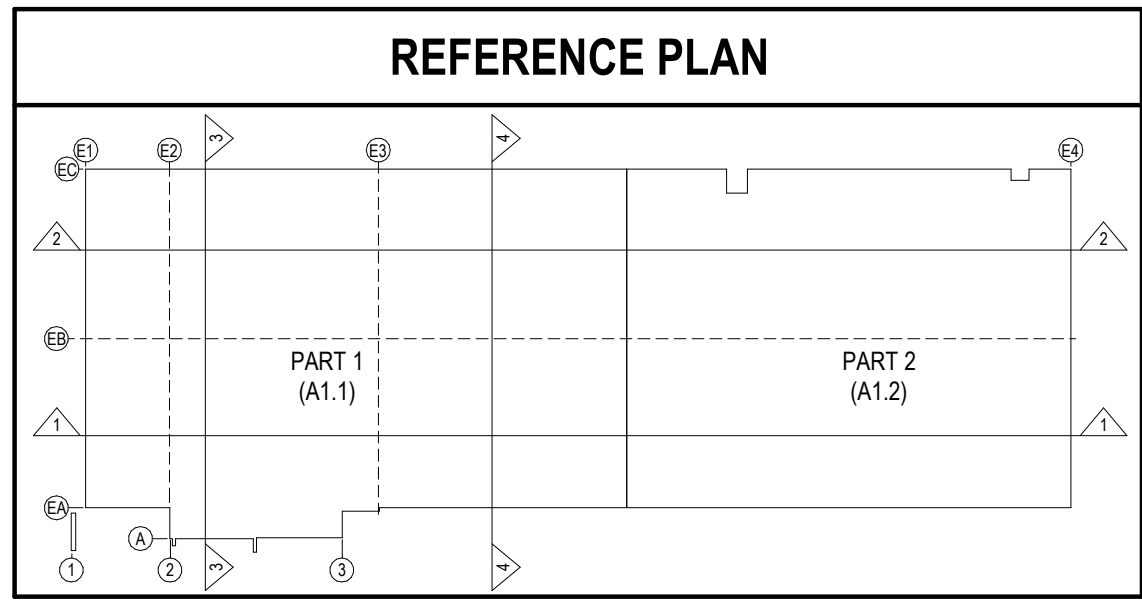
SECTION 2
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SECTION 3
SCALE: 3/32" = 1'-0"



SECTION 4
SCALE: 3/32" = 1'-0"



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

PROJECT:
SHEET TITLE:
BUILDING SECTIONS

REVISIONS

NO.	DESCRIPTION

PROJECT NO.
21034
DATE:
OCTOBER 2024
DRAWN BY:
NRH/BTH/JNH
CHECKED BY:
NRH

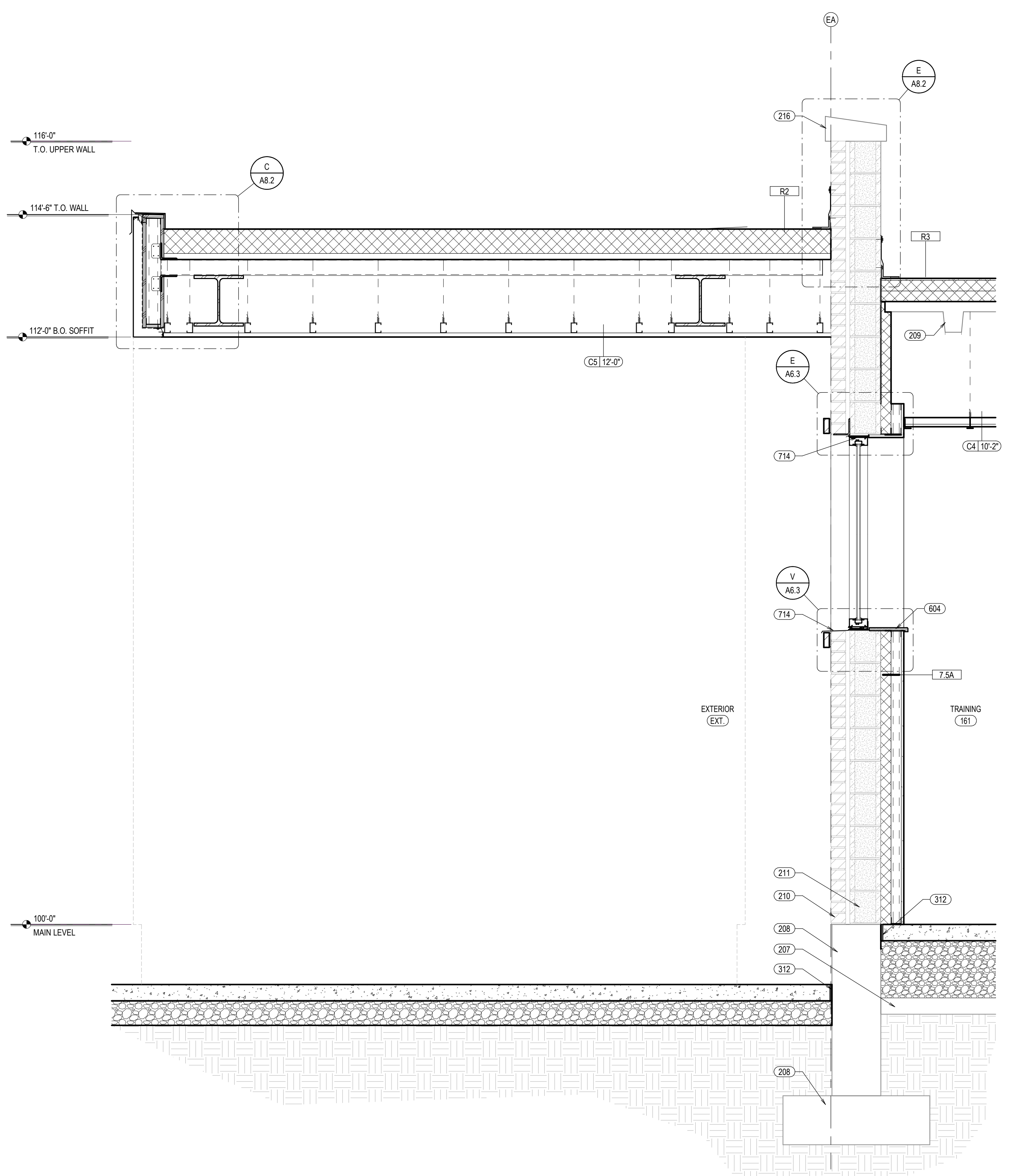
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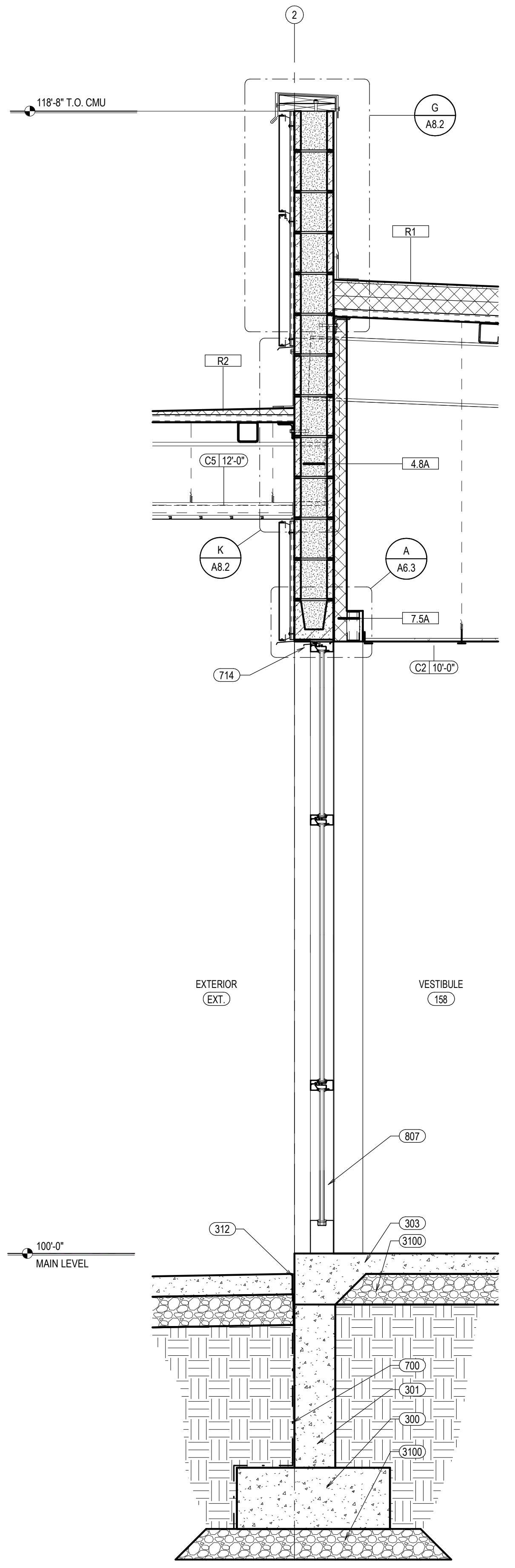
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 State of Idaho
 Division of Building Safety

These Documents are approved in accordance with the provisions of the Idaho Building Code. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

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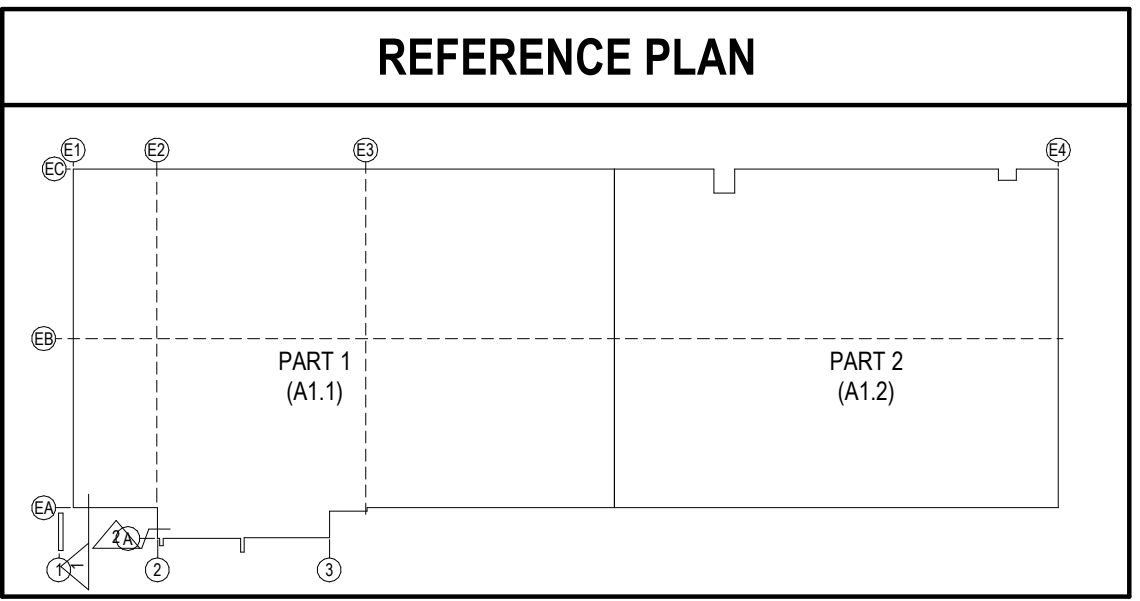


1 WALL SECTION
 SCALE: 3/4" = 1'-0"



2 WALL SECTION
 SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND	
207	EXG CONCRETE SLAB ON GRADE
208	EXG CONCRETE FOOTING/ FOUNDATION
209	EXG ROOF STRUCTURE
210	EXG MASONRY WALL
211	EXG CMU WALL
216	EXG WALL COPING
300	REINFORCED CONCRETE FOOTING - SEE STRUC.
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUC.
303	REINFORCED CONCRETE SLAB - SEE STRUC.
312	BOND BREAK MATERIAL
604	SOLID SURFACE SILL
700	BITUMINOUS DAMPPROOFING
714	PRE-FINISHED CONT. METAL FLASHING
807	ALUMINUM STOREFRONT SYSTEM
3100	ENGINEERED FILL



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: SHEET TITLE: WALL SECTIONS

NO.	DATE	DESCRIPTION

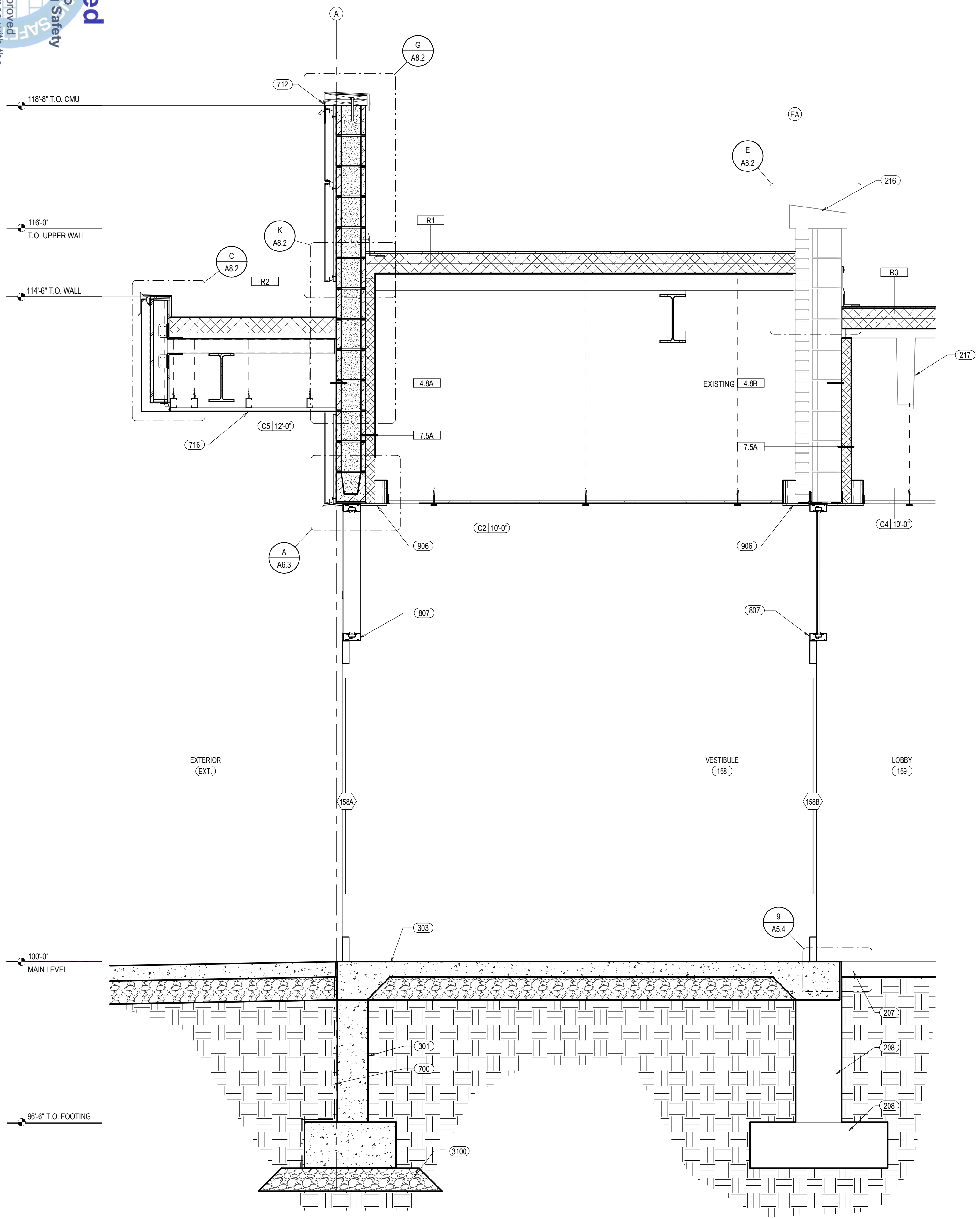
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 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

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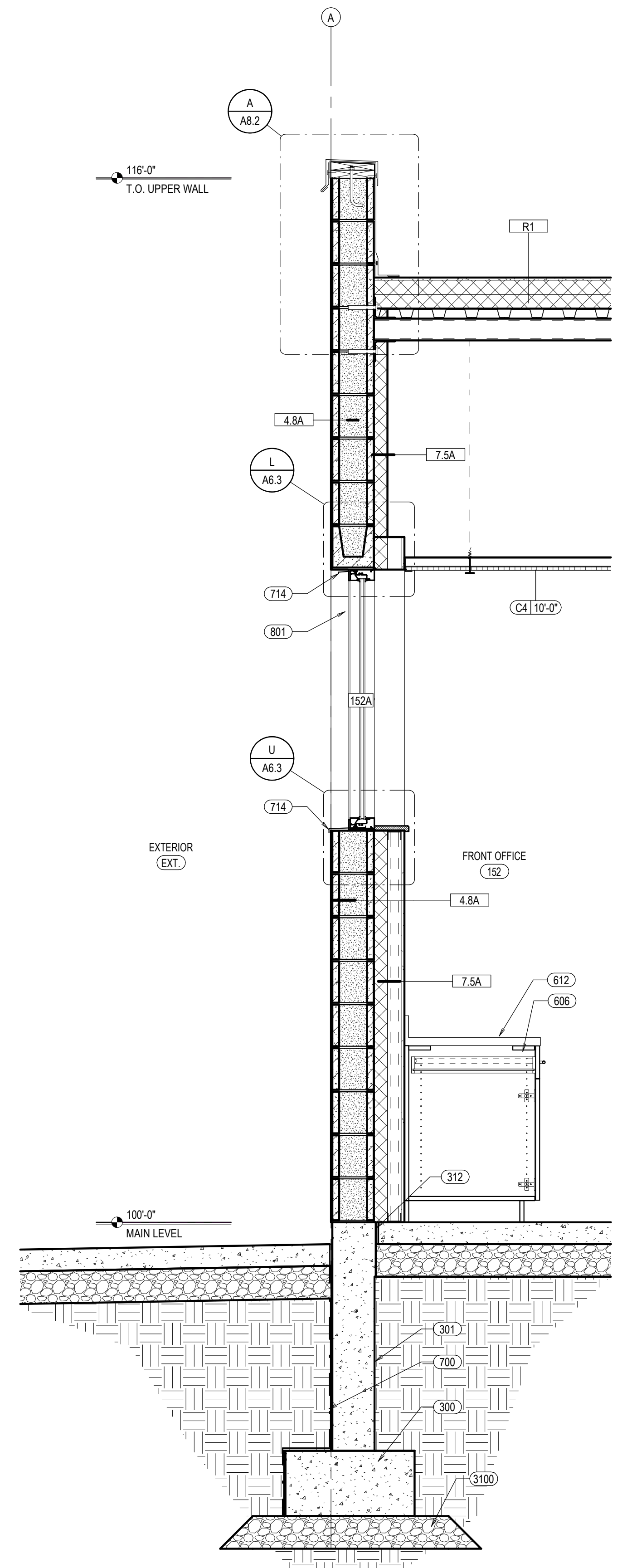
A3.2

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 Division of Building Safety
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 in compliance with the
 International Building Code
 and applicable rules and codes.
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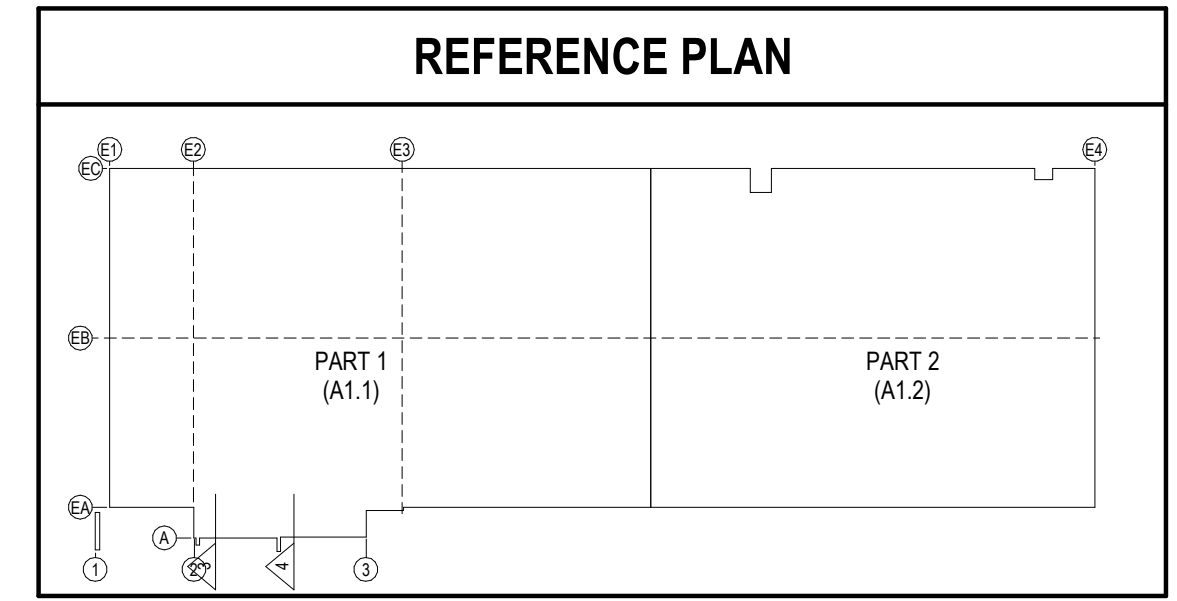


3 WALL SECTION
 SCALE: 3/4" = 1'-0"



4 WALL SECTION
 SCALE: 3/4" = 1'-0"

KEYNOTE LEGEND	
207	EXG CONCRETE SLAB ON GRADE
208	EXG CONCRETE FOOTING/FOUNDATION
216	EXG WALL COPING
217	EXG CONCRETE ROOF STRUCTURE
300	REINFORCED CONCRETE FOOTING - SEE STRUC.
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUC.
303	REINFORCED CONCRETE SLAB - SEE STRUC.
312	BOND BREAK MATERIAL
606	WALL MOUNTED BASE CABINET WITH BLOCKING
612	SOLID SURFACE COUNTERTOP
700	BITUMINOUS DAMPPROOFING
712	PRE-FINISHED CONT. METAL CAP & CLEAT OVER
714	PRE-FINISHED CONT. METAL FLASHING
716	PRE-FINISHED EXTERIOR SUSPENDED METAL SOFFIT SYSTEM
801	WINDOW SYSTEM
807	ALUMINUM STOREFRONT SYSTEM
906	5/8" GYP. SHEATHING
3100	ENGINEERED FILL



LICENSED ARCHITECT
 ARCHITECT
 10/30/2024
 NICHOLAS HANSEN
 STATE OF IDAHO

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: WALL SECTIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

DRAWING NO.:
A3.3

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These Documents are approved in accordance with the provisions of the Idaho Building Code, and shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

KEYNOTE LEGEND	
207	EXG CONCRETE SLAB ON GRADE
208	EXG CONCRETE FOOTING/ FOUNDATION
216	EXG WALL COPING
217	EXG CONCRETE ROOF STRUCTURE
300	REINFORCED CONCRETE FOOTING - SEE STRUC.
301	REINFORCED CONCRETE FOUNDATION WALL - SEE STRUC.
312	BOND BREAK MATERIAL
313	CONCRETE WALL COPING
604	SOLID SURFACE SILL
700	BITUMINOUS DAMPPROOFING
705	2" RIGID BD. INSUL. CONT. AT FOUNDATION WALL
714	PRE-FINISHED CONT. METAL FLASHING
719	METAL GUTTER
722	PRE-FINISHED METAL J-CHANNEL
801	WINDOW SYSTEM
807	ALUMINUM STOREFRONT SYSTEM
906	5/8" GYP. SHEATHING
926	2-1/2" METAL STUD FRAMING ATTACHED TO BYPASS FRAMING SLIDE CLIP
3100	ENGINEERED FILL
3102	FINISH GRADE

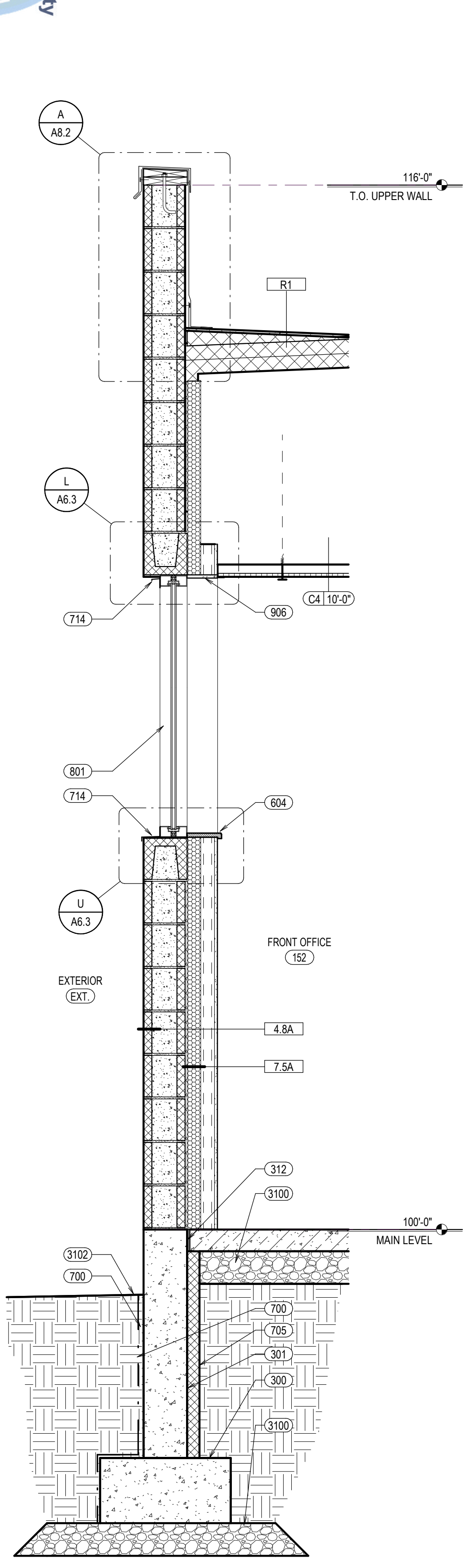
LICENSED ARCHITECT
 MICHAEL HANSEN
 10300204
 STATE OF IDAHO

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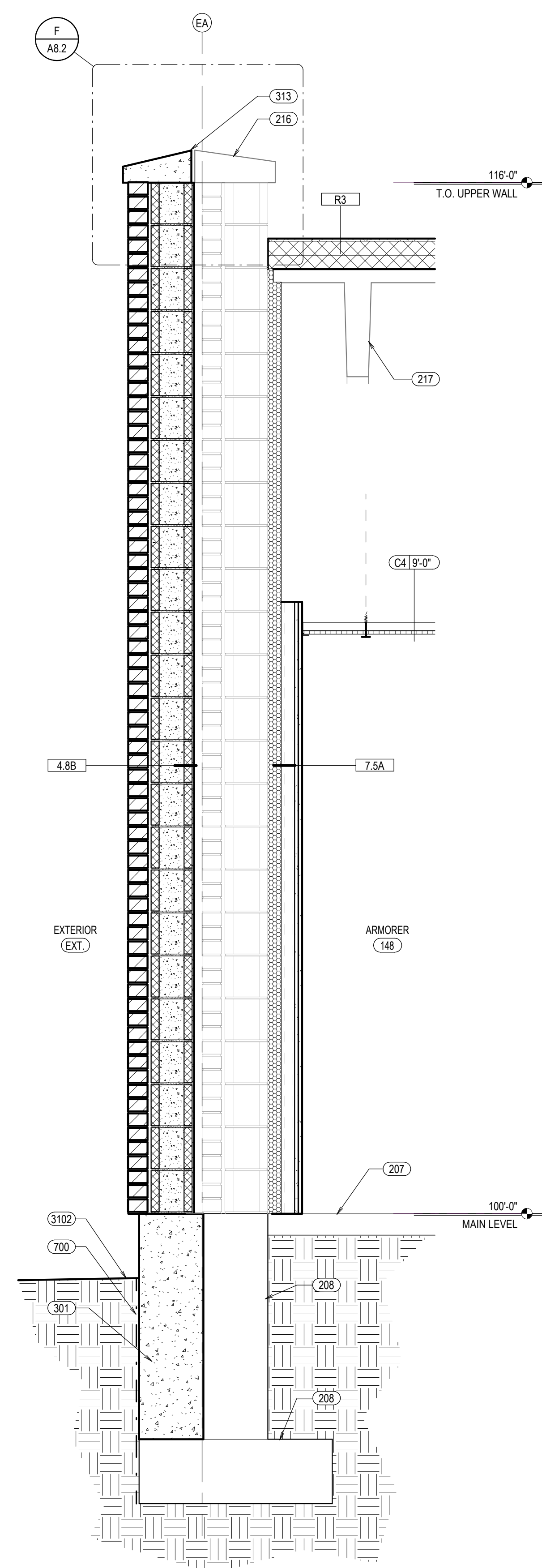
REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: DPW 22511 ISP District 6 HQ/DPW 22511 ISP 1155 FOOTE DRIVE Existing Building.rvt
 SHEET TITLE: WALL SECTIONS
 REVISIONS:
 PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH
 DRAWING NO.:

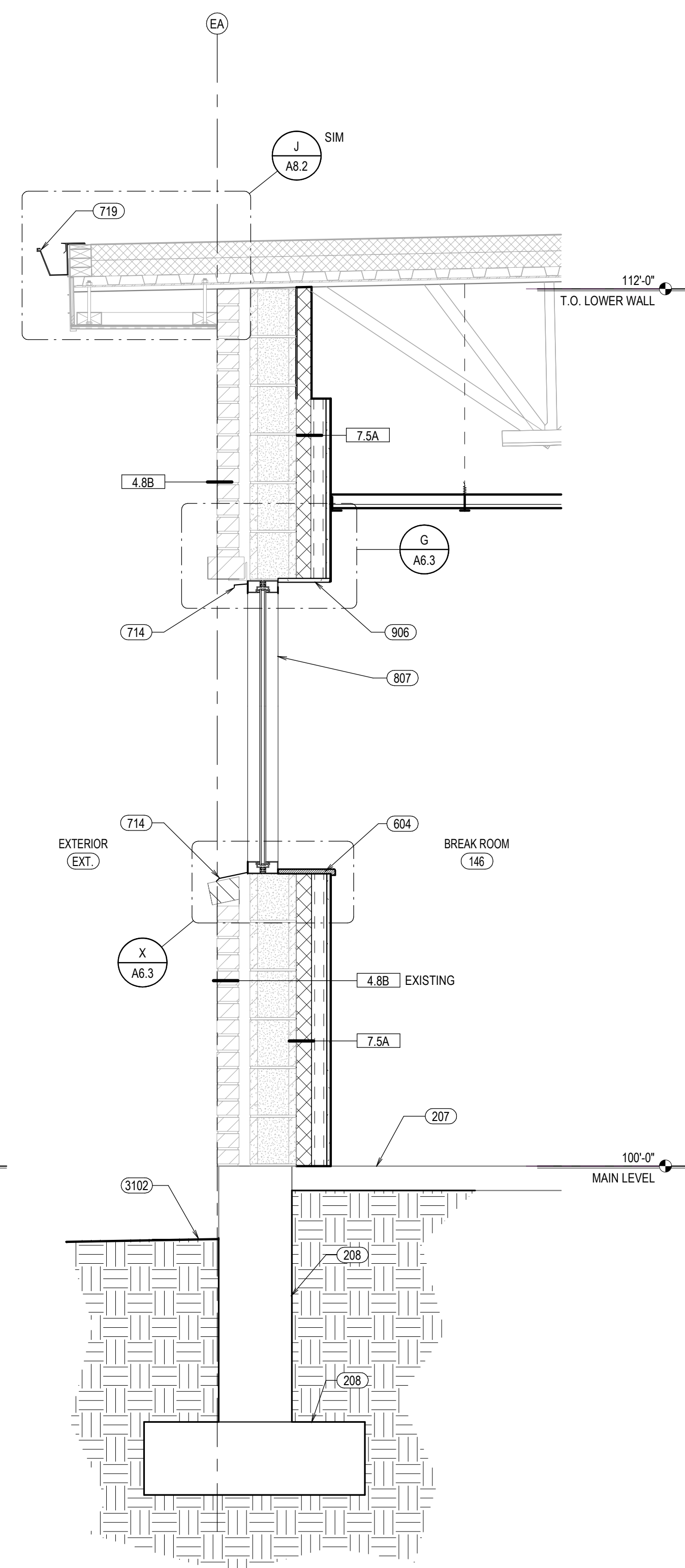
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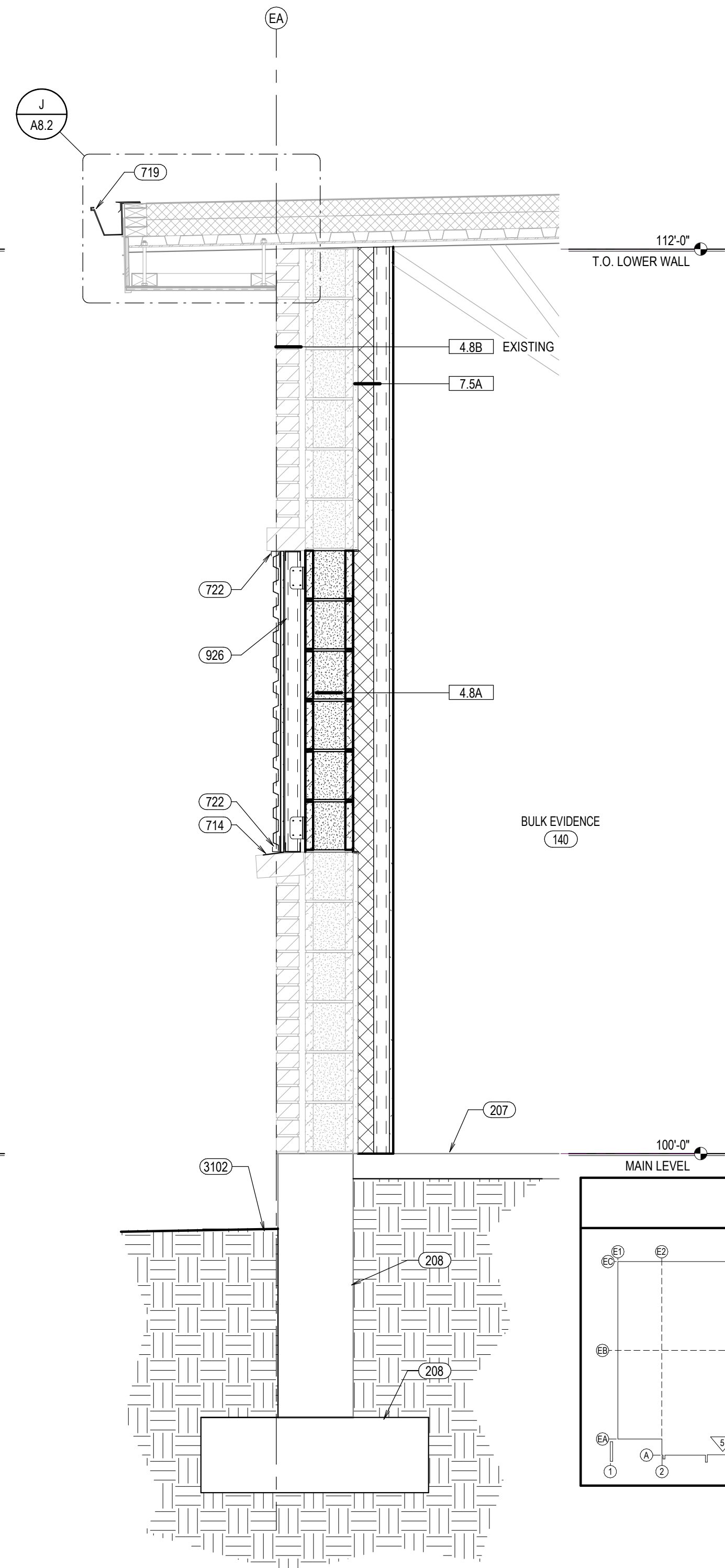
5 WALL SECTION
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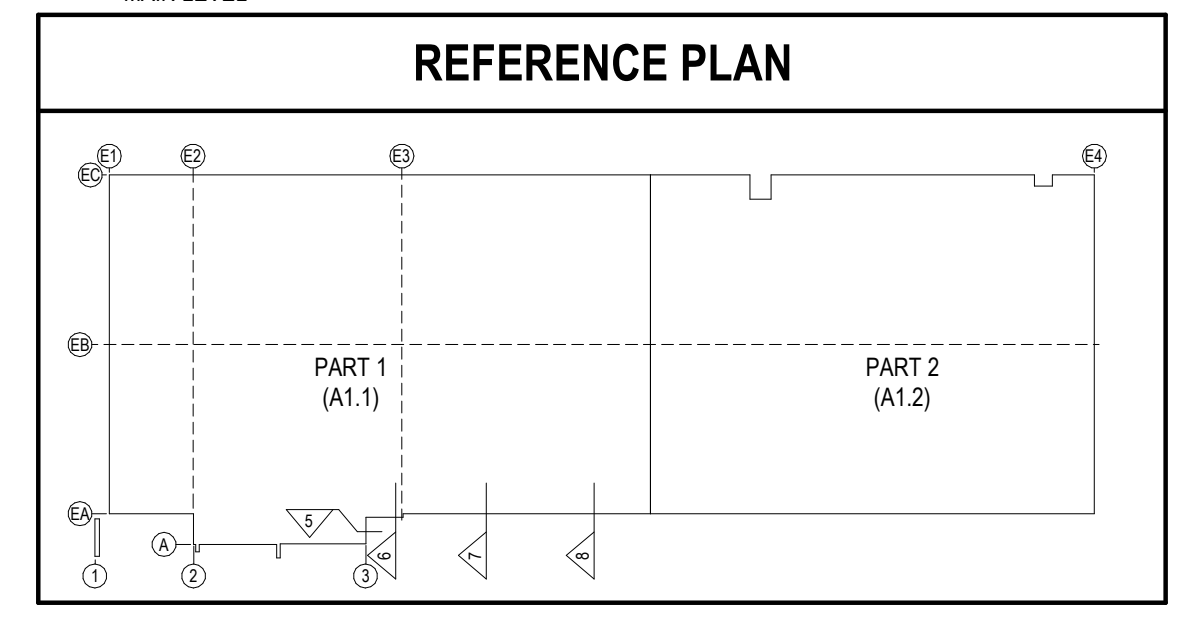
6 WALL SECTION
 A3.4 SCALE: 3/4" = 1'-0"



7 WALL SECTION
 A3.4 SCALE: 3/4" = 1'-0"



8 WALL SECTION
 A3.4 SCALE: 3/4" = 1'-0"



These Documents are approved in accordance with the applicable codes and rules of the State of Idaho. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

KEYNOTE LEGEND	
204	EXG CONCRETE SIDEWALK
205	EXG ASPHALT OR CONC. PAVING
207	EXG CONCRETE SLAB ON GRADE
208	EXG CONCRETE FOOTING/ FOUNDATION
209	EXG ROOF STRUCTURE
211	EXG CMU WALL
514	STEEL ANGLE PAINTED WHERE EXPOSED - SEE STRUCT.
706	BATT INSULATION FULL THICKNESS W/ VAPOR BARRIER
714	PRE-FINISHED CONT. METAL FLASHING
715	PRE-FINISHED EXTERIOR METAL PANEL
716	PRE-FINISHED EXTERIOR SUSPENDED METAL SOFFIT SYSTEM
719	METAL GUTTER
722	PRE-FINISHED METAL J-CHANNEL
800	DOOR & FRAME
804	OVERHEAD COILING DOOR
906	5/8" GYP. SHEATHING
927	7/8" FURRING HAT CHANNEL
1023	SIGNAGE, SEE SCHEDULE
3102	FINISH GRADE



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

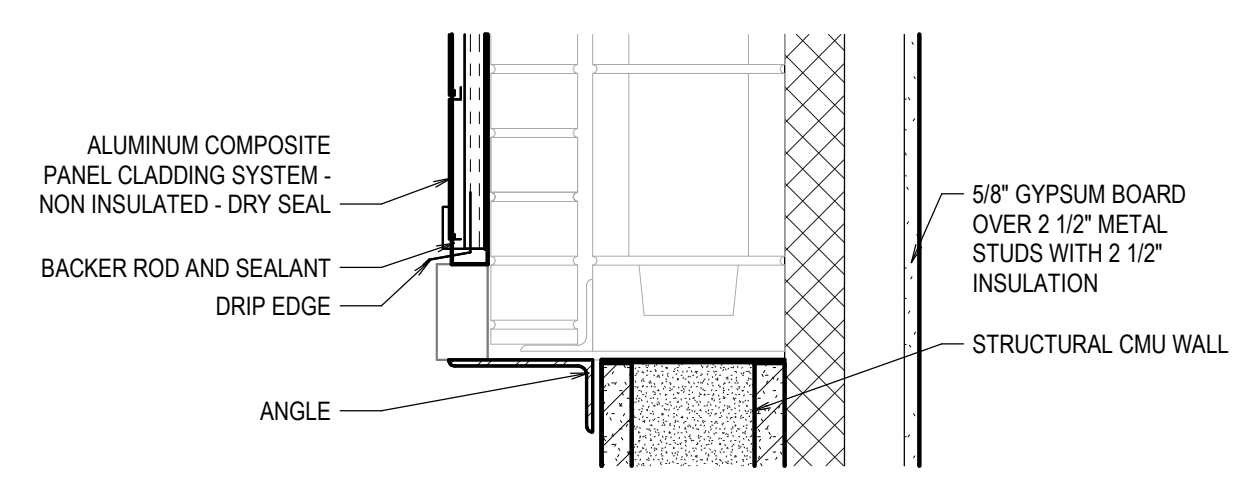
PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY

SHEET TITLE: WALL SECTIONS

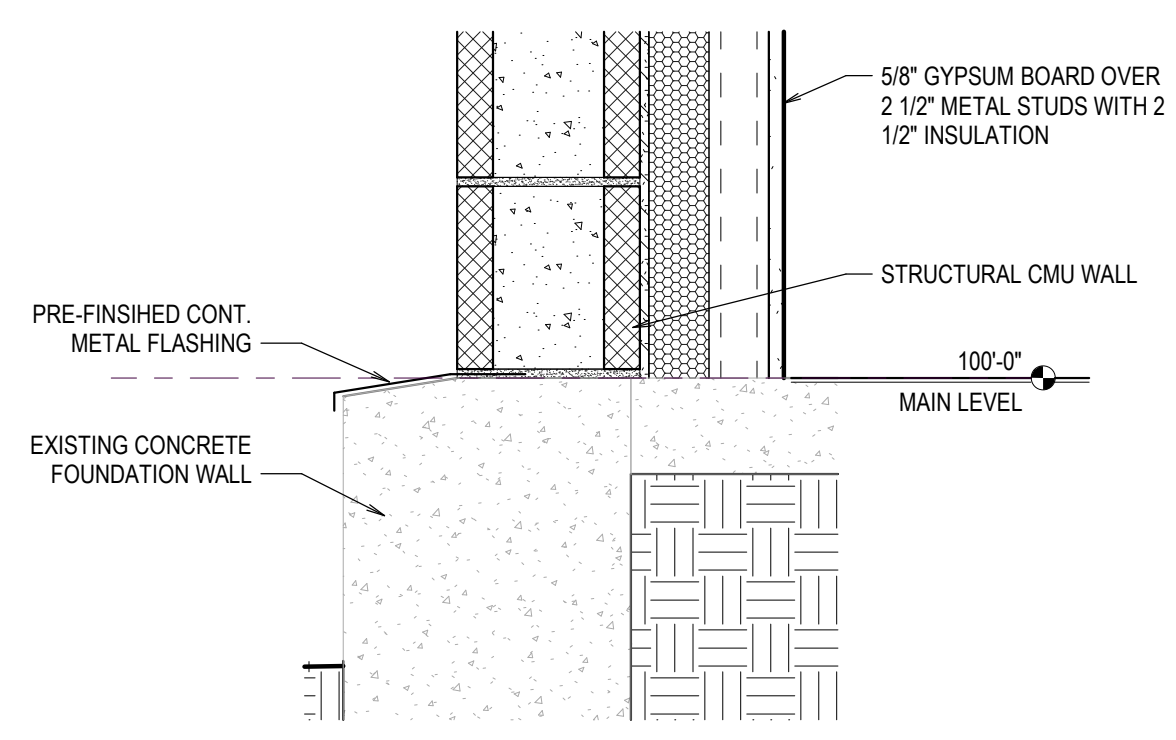
NO.	REVISIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

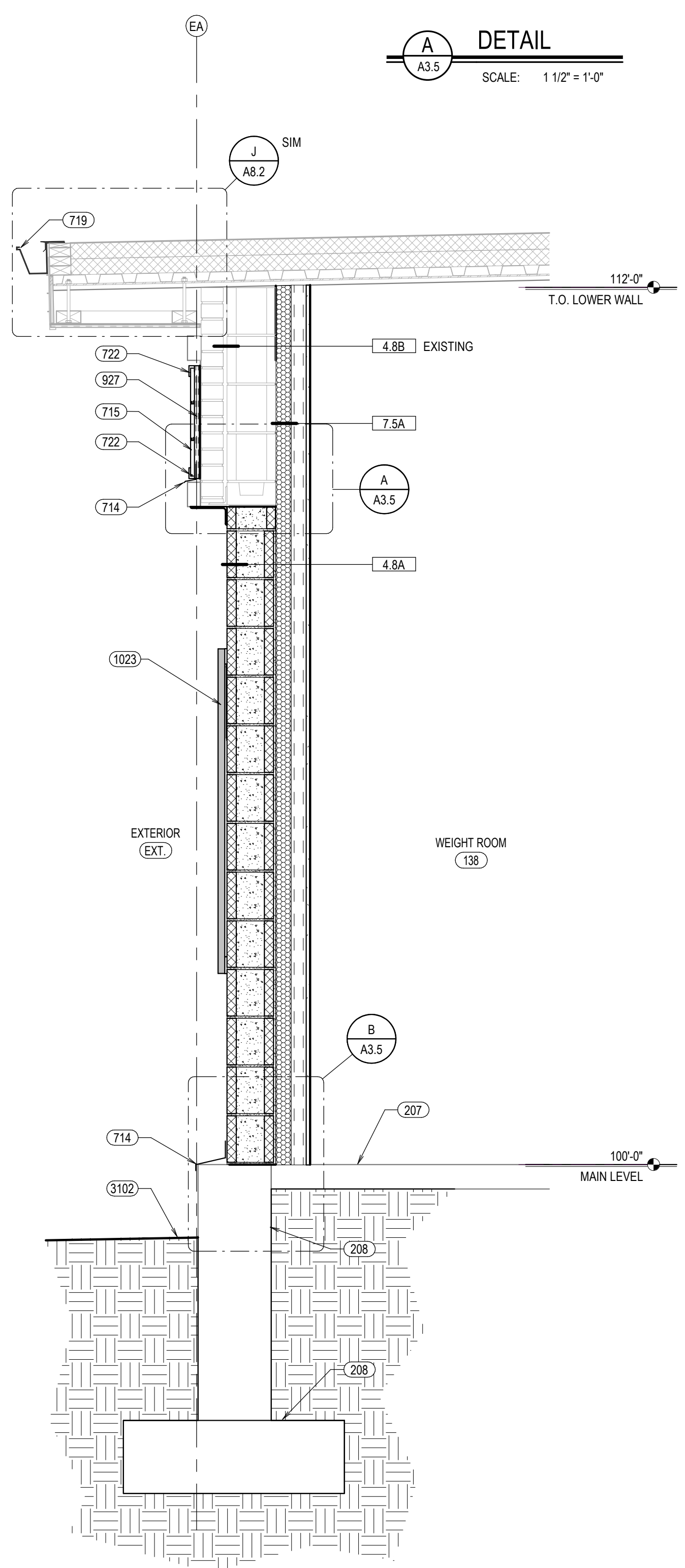
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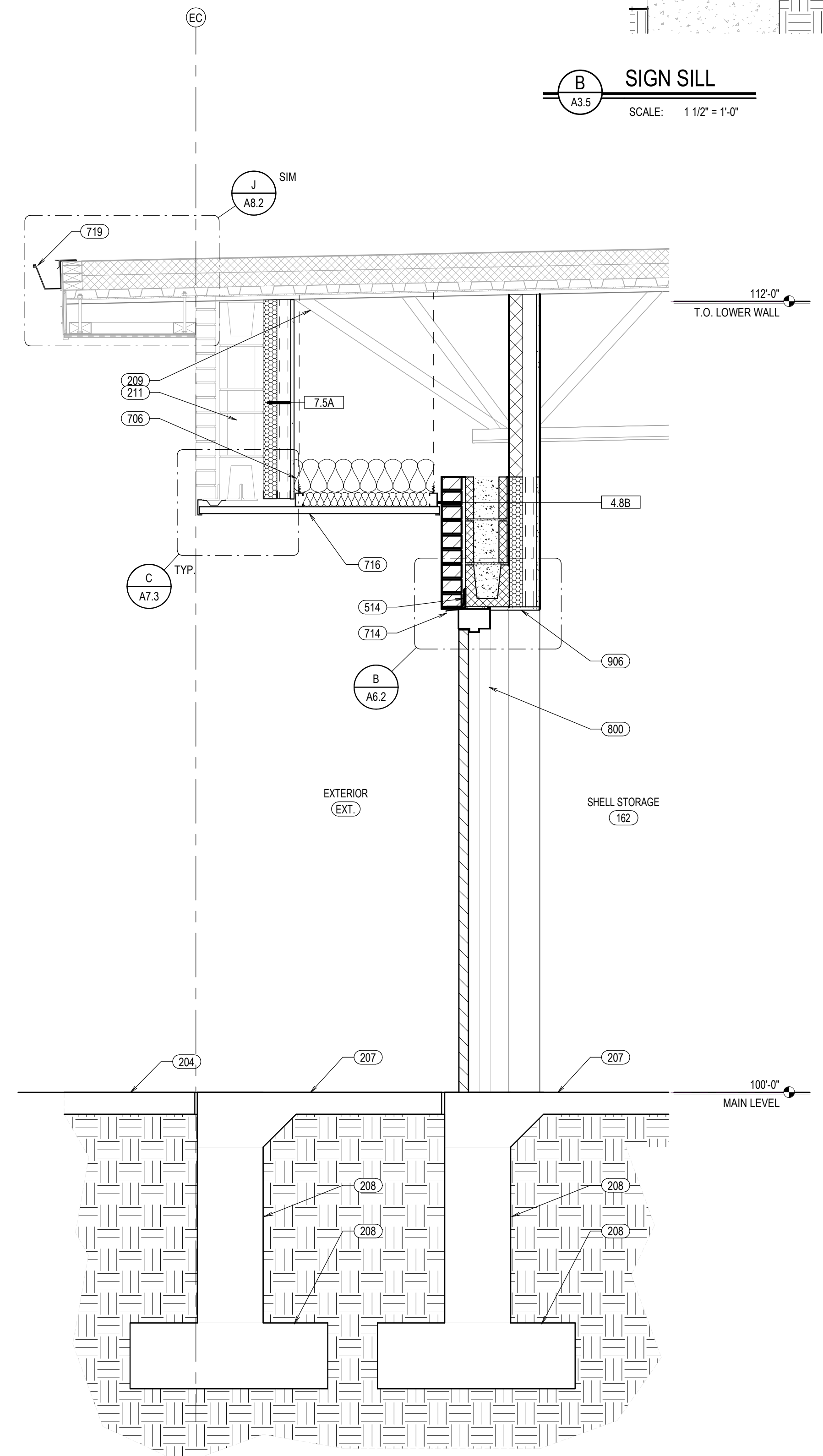
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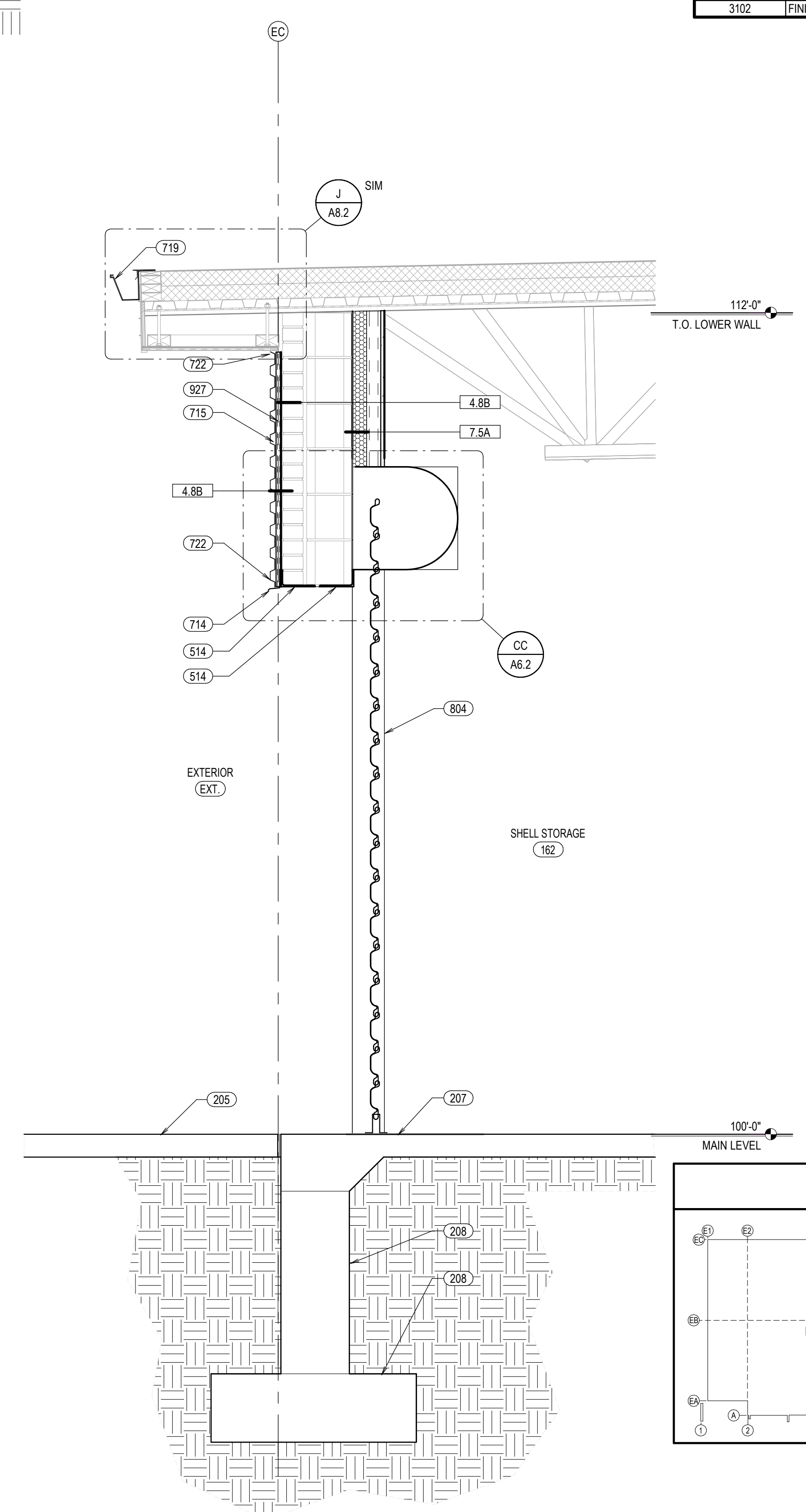
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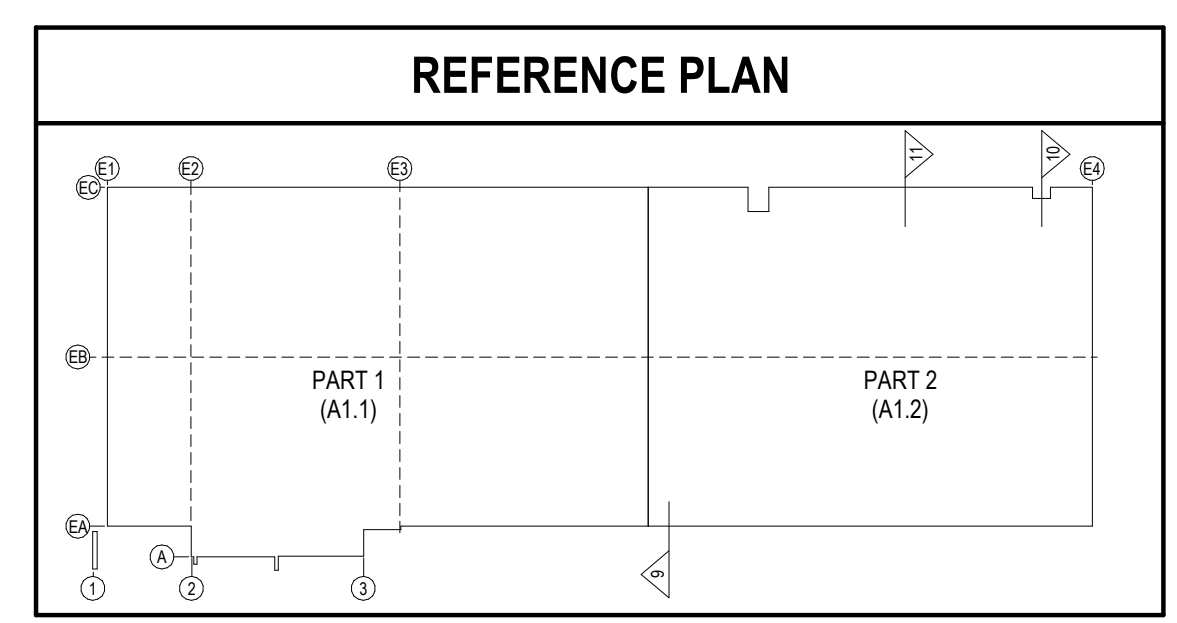
9 WALL SECTION
 SCALE: 3/4" = 1'-0"



10 WALL SECTION
 SCALE: 3/4" = 1'-0"



11 WALL SECTION
 SCALE: 3/4" = 1'-0"



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KEYNOTE LEGEND	
204	EXG CONCRETE SIDEWALK
207	EXG CONCRETE SLAB ON GRADE
208	EXG CONCRETE FOOTING/ FOUNDATION
209	EXG ROOF STRUCTURE
211	EXG CMU WALL
514	STEEL ANGLE PAINTED WHERE EXPOSED - SEE STRUCT.
706	BATT INSULATION FULL THICKNESS W/ VAPOR BARRIER
714	PRE-FINISHED CONT. METAL FLASHING
716	PRE-FINISHED EXTERIOR SUSPENDED METAL SOFFIT SYSTEM
719	METAL GUTTER
800	DOOR & FRAME
807	ALUMINUM STOREFRONT SYSTEM
906	5/8" GYP. SHEATHING

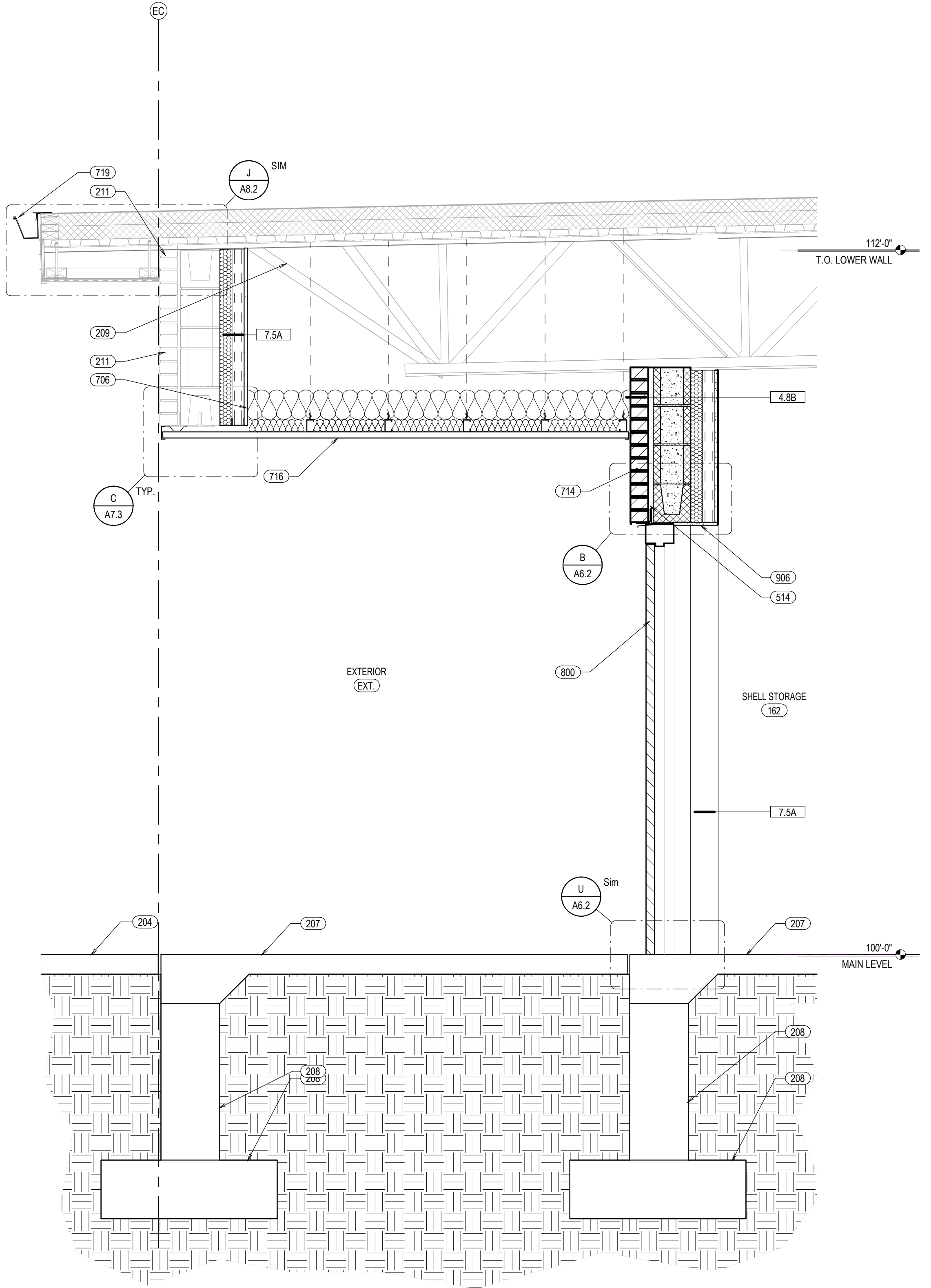


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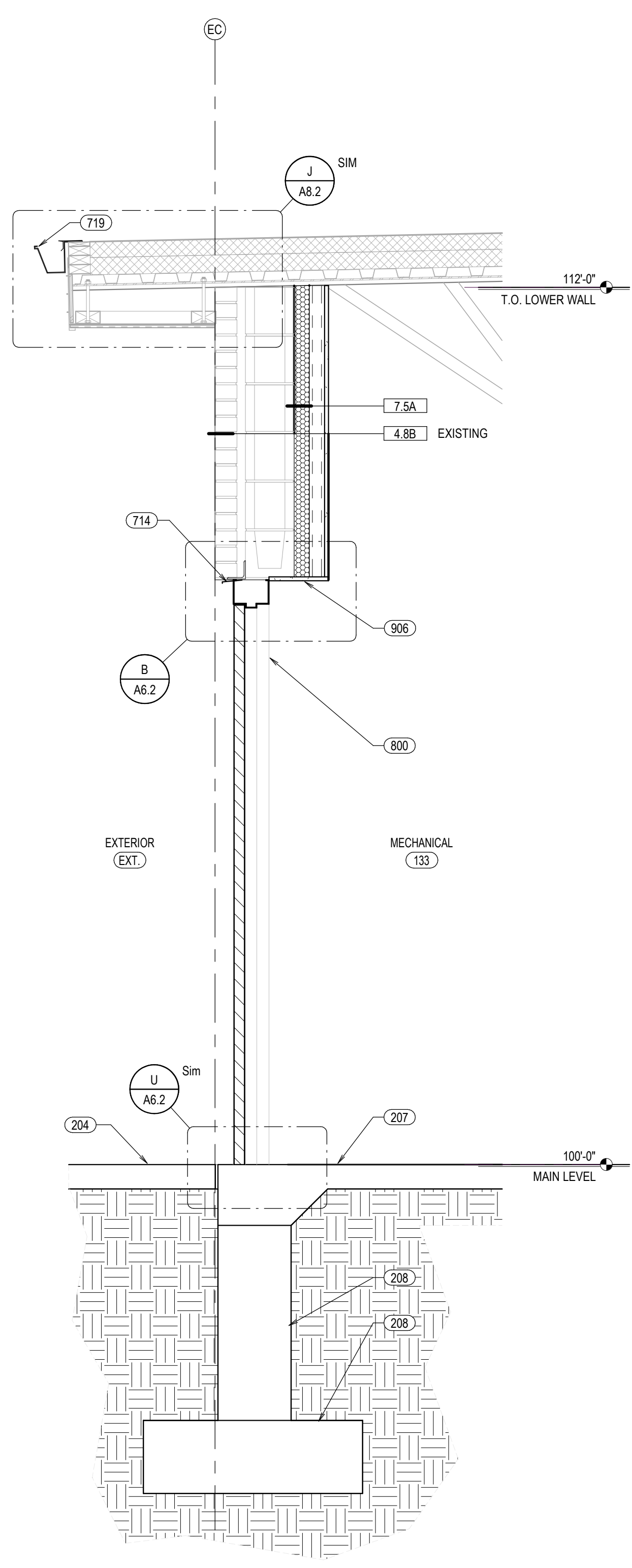
REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT NO. 21034
 DATE: OCTOBER 2024
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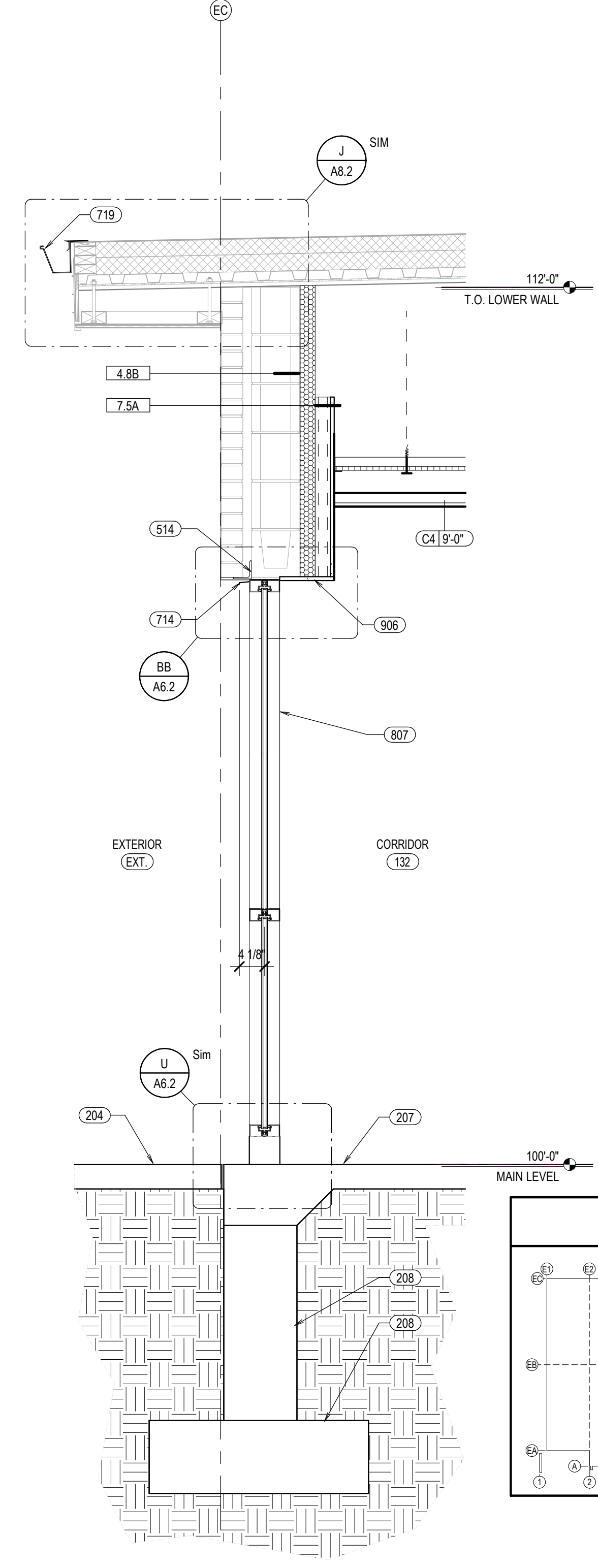
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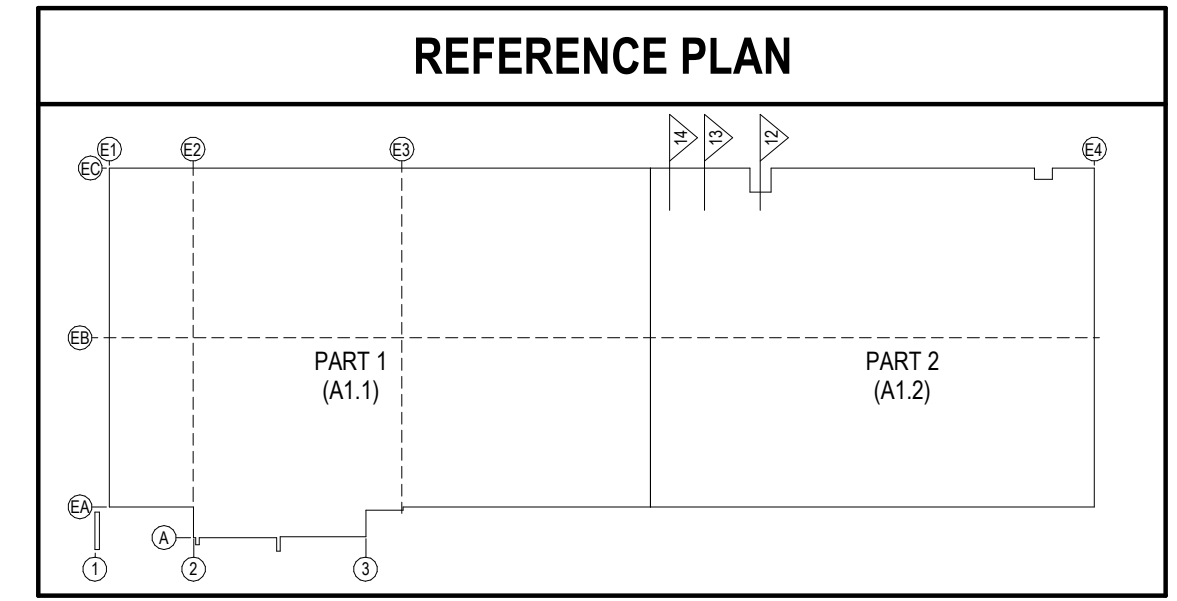
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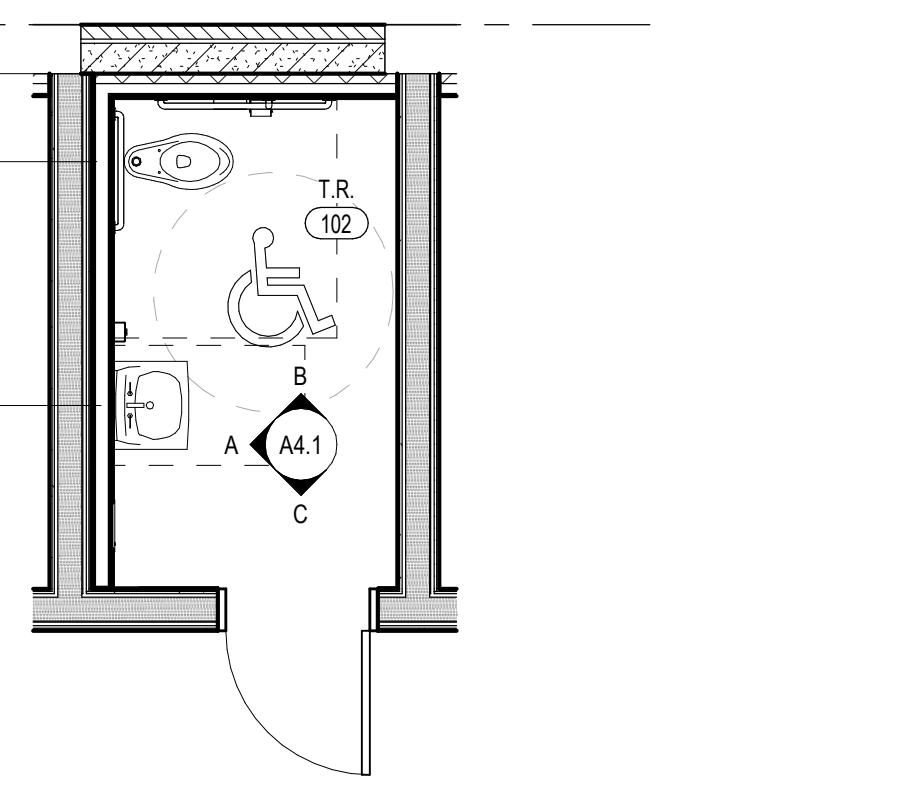
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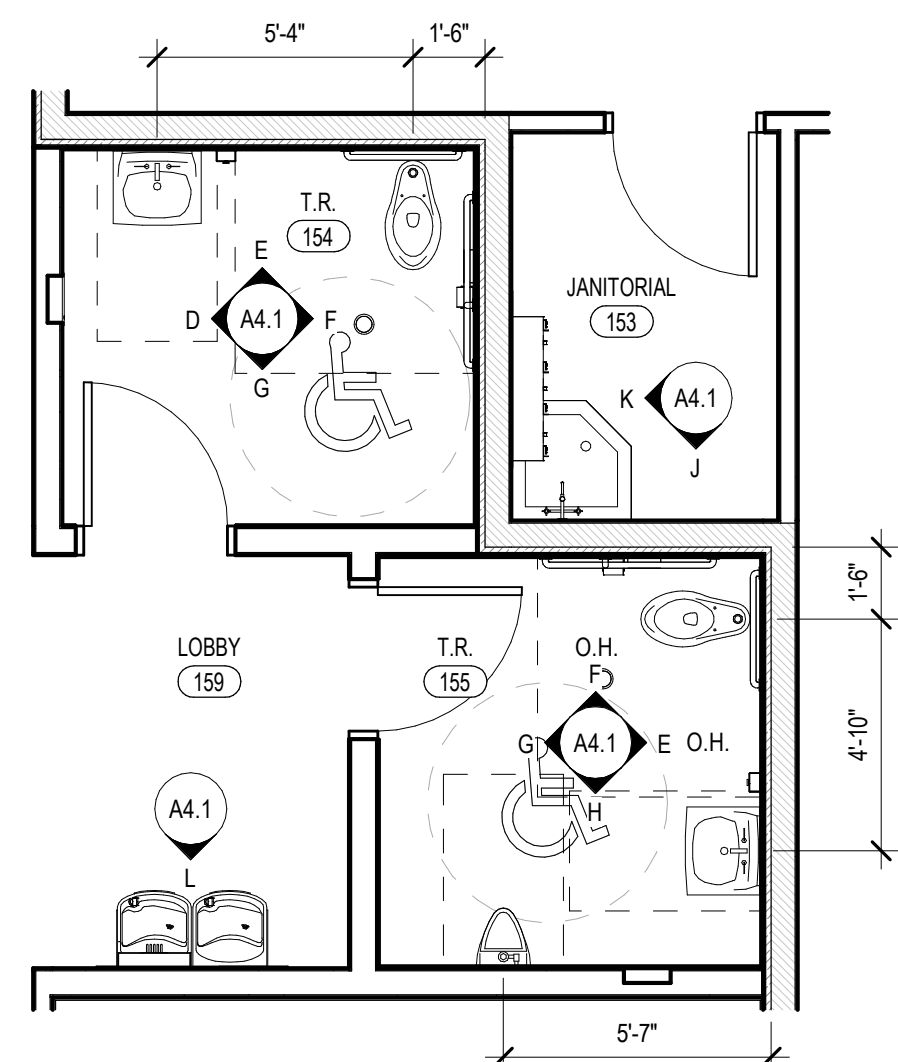
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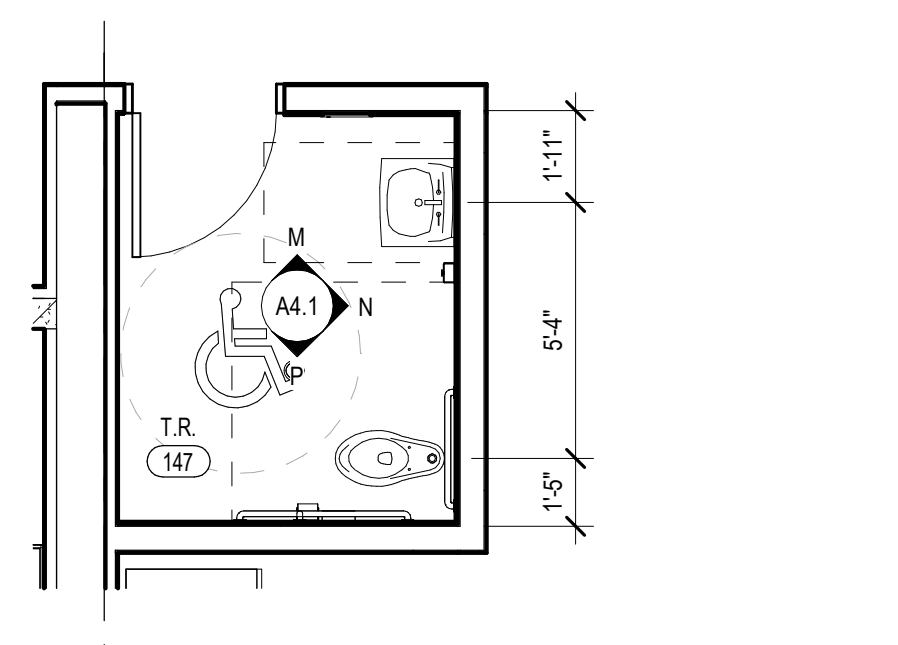
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 Division of Building Safety
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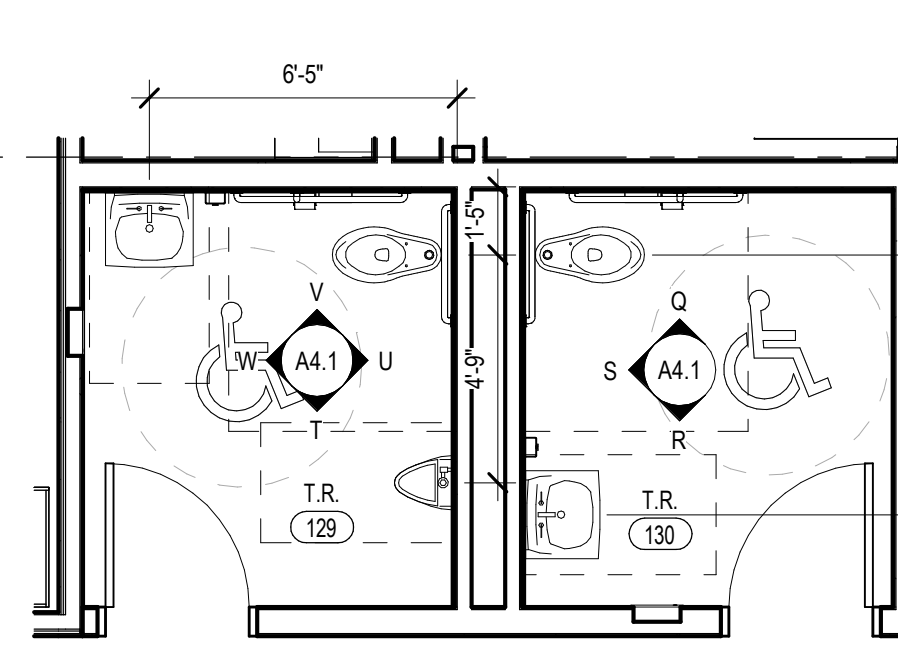
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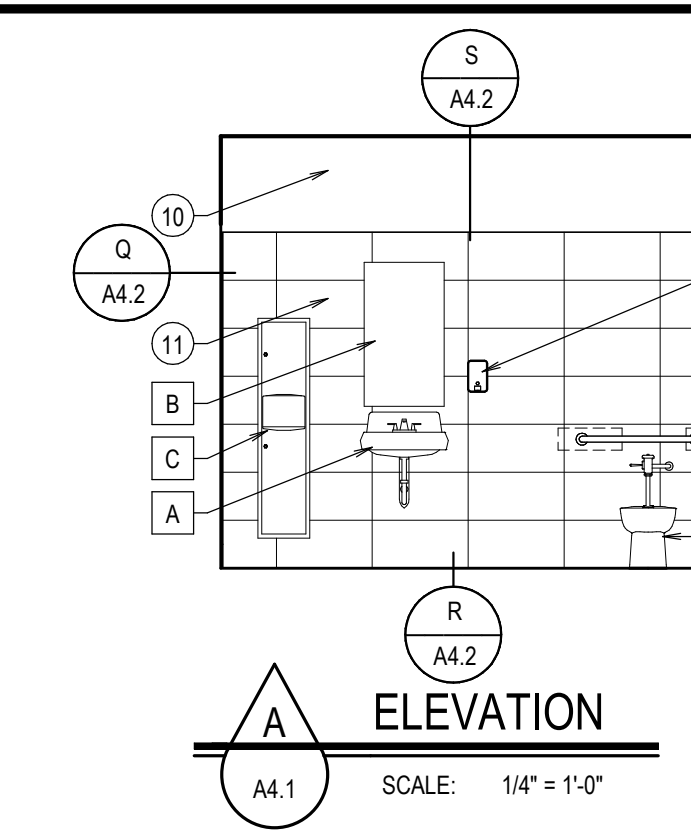
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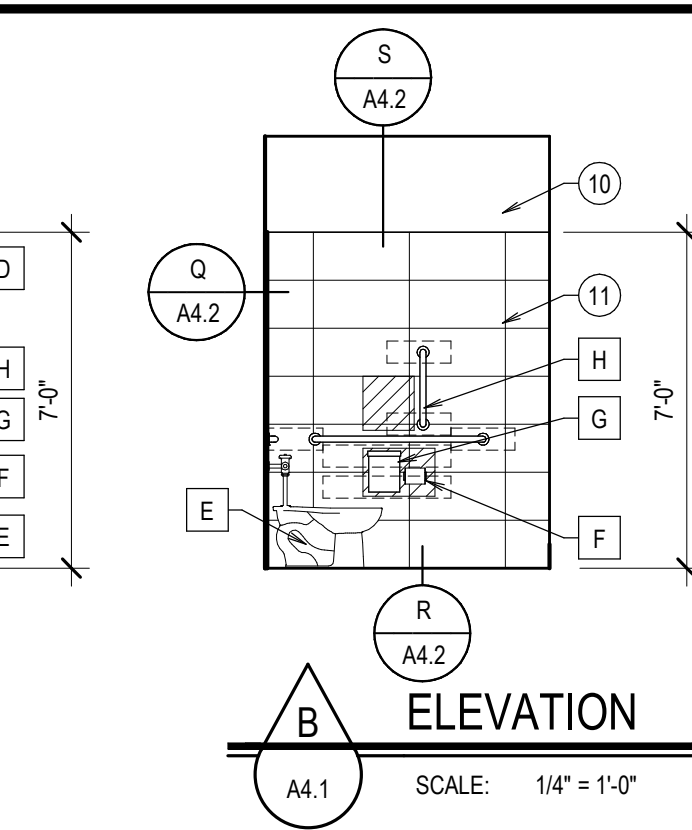
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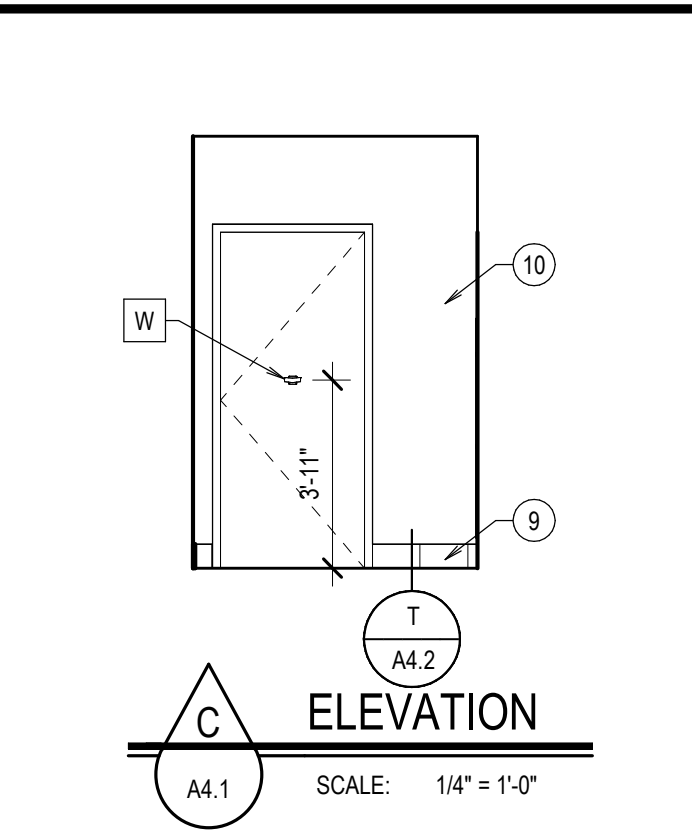
4 ENLARGED PLAN
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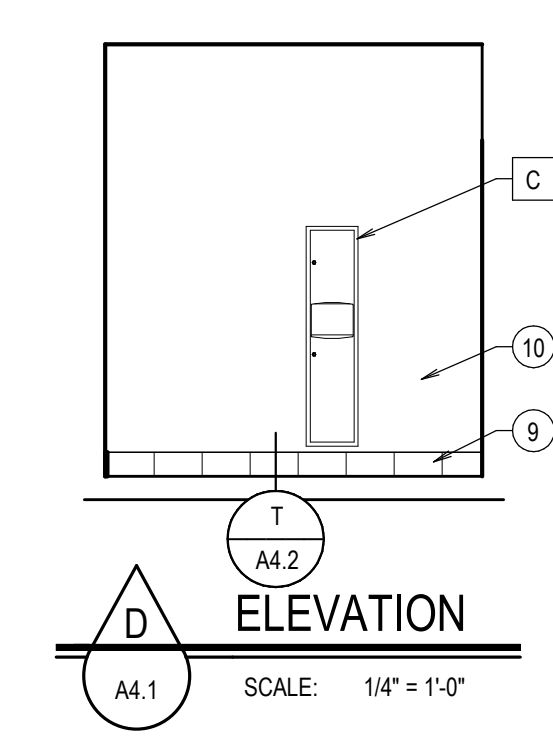
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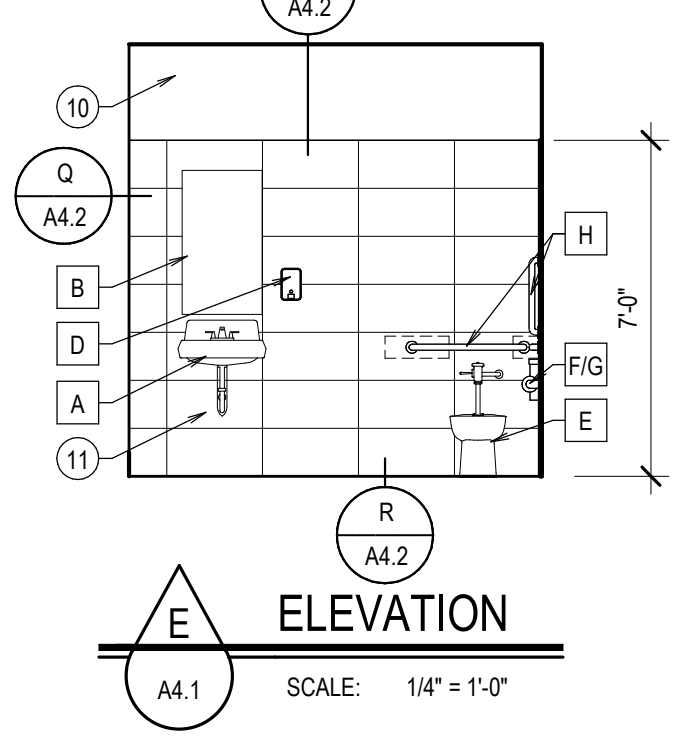
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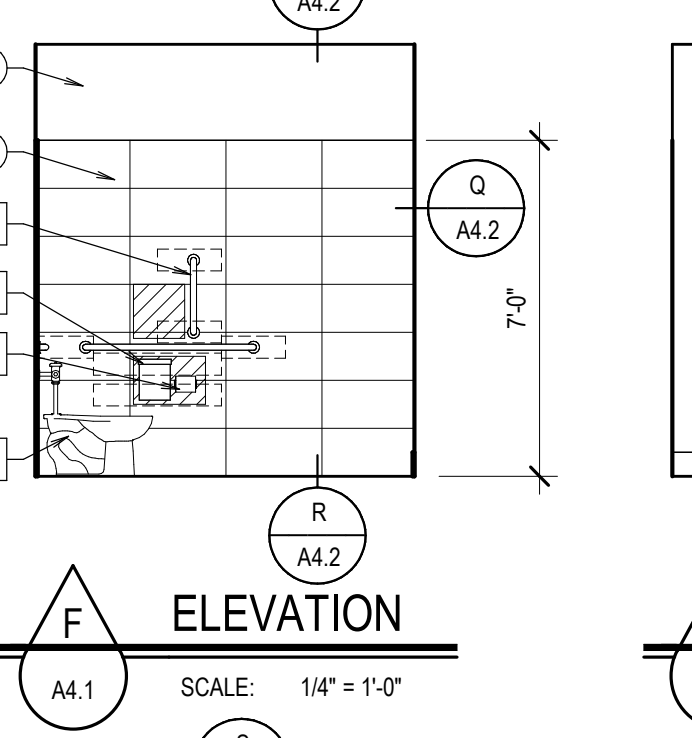
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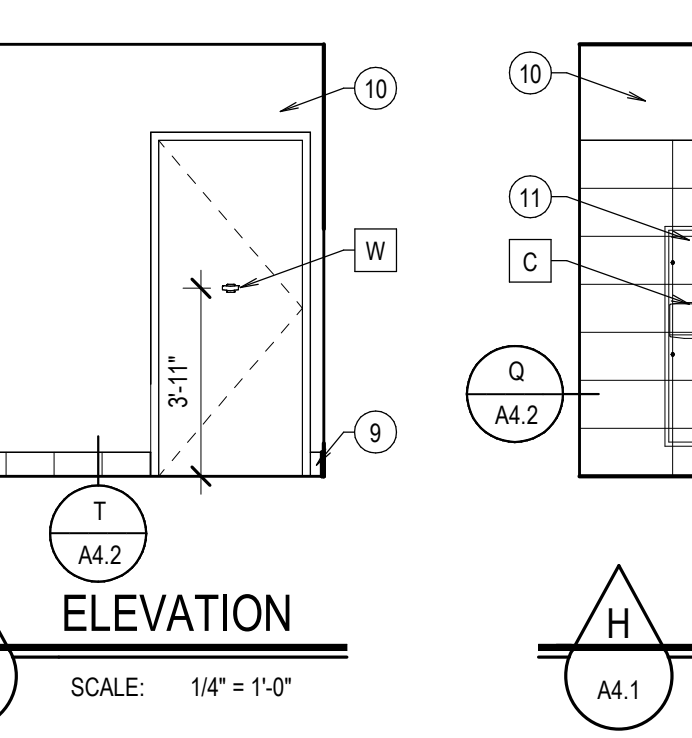
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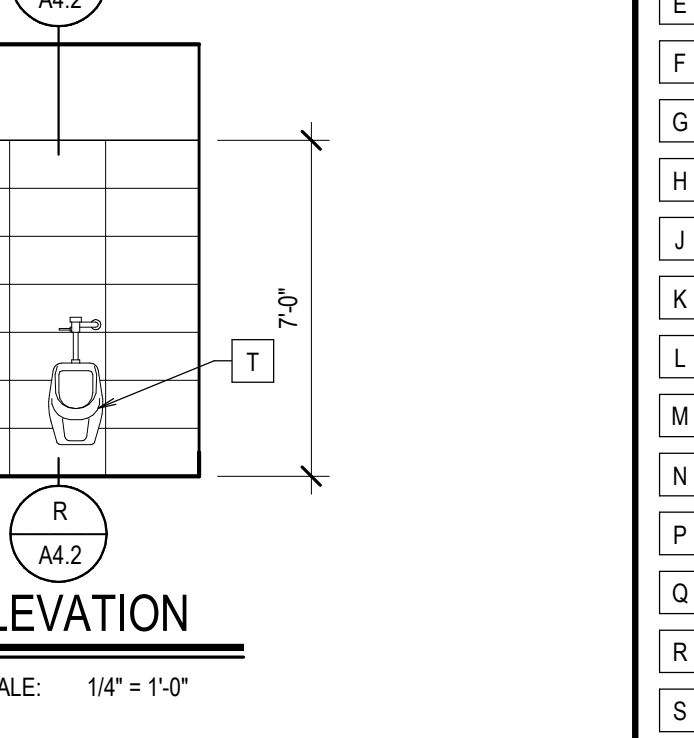
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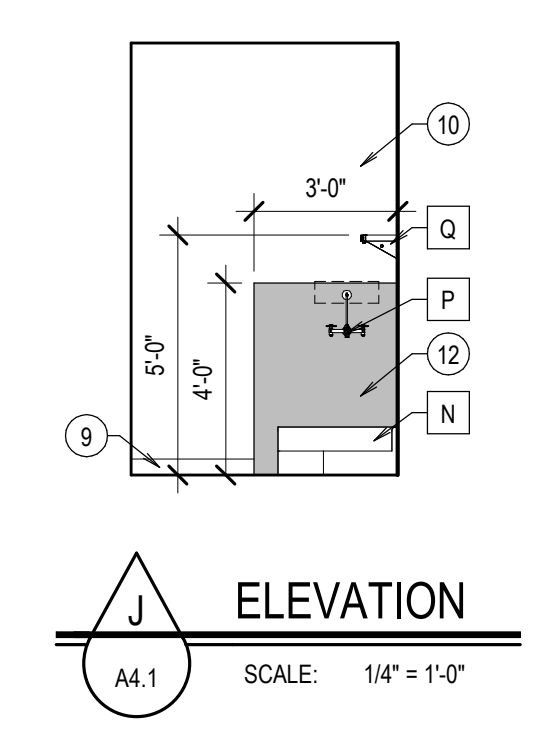
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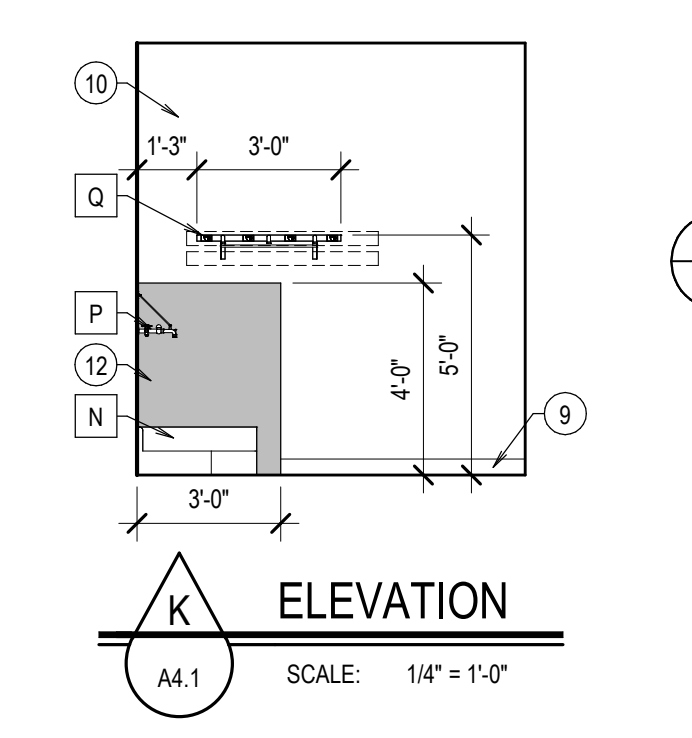
G ELEVATION
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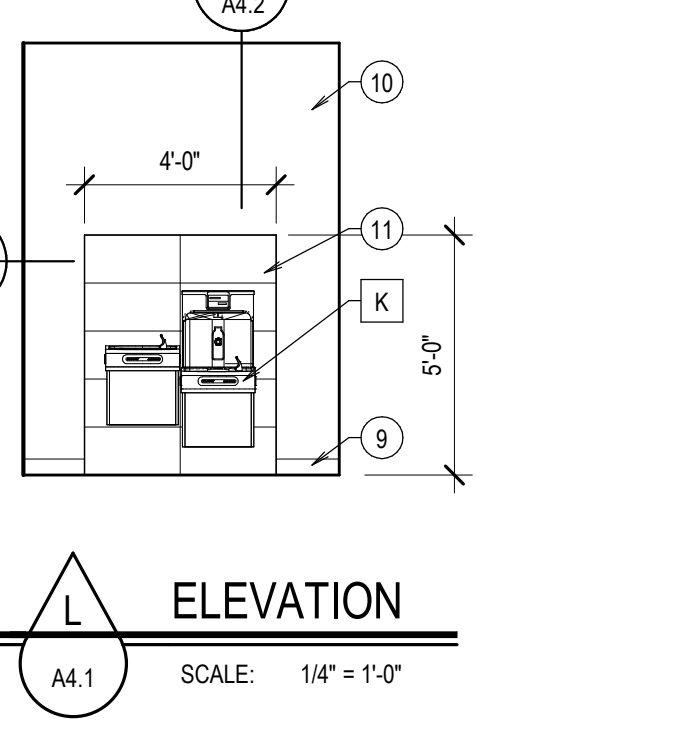
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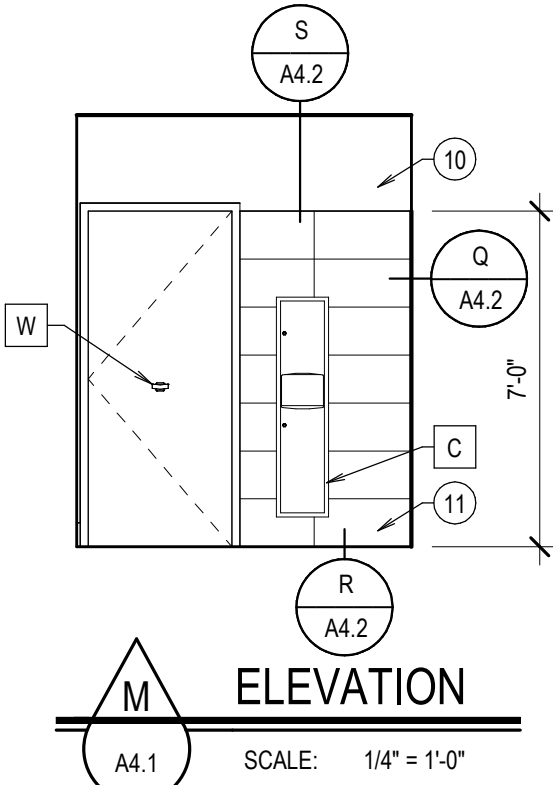
J ELEVATION
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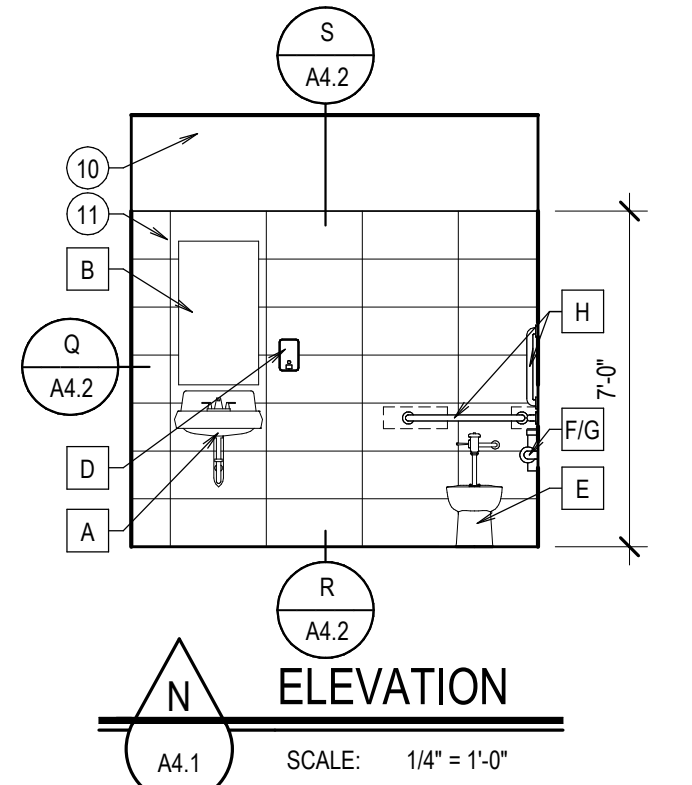
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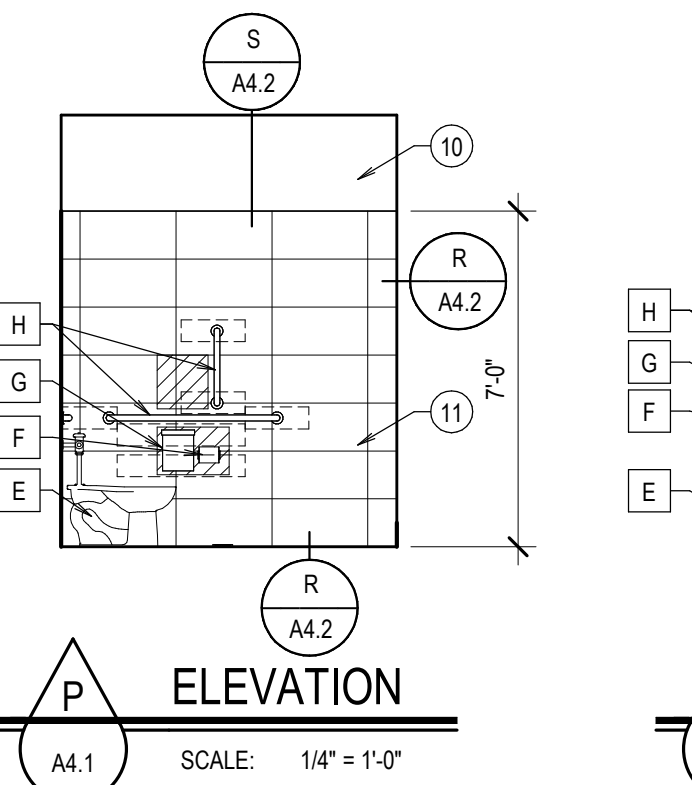
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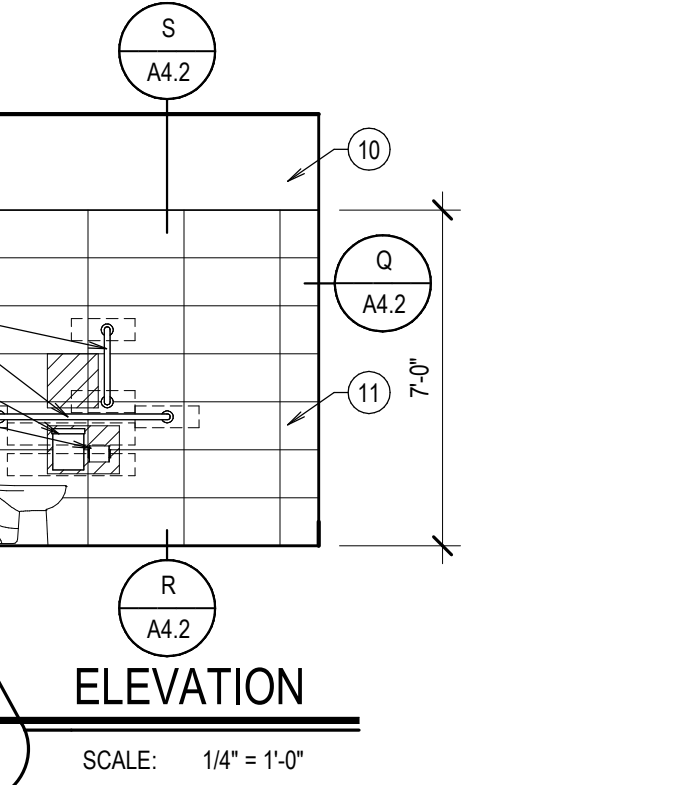
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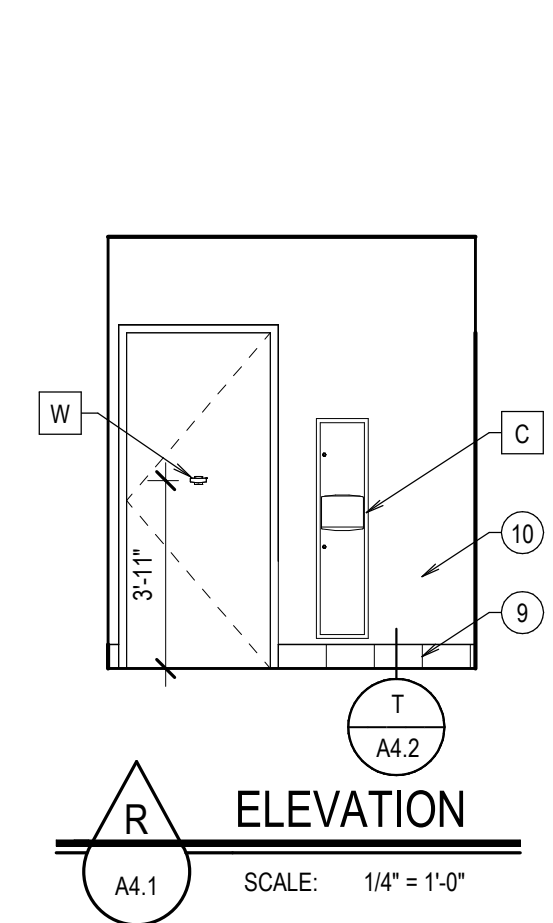
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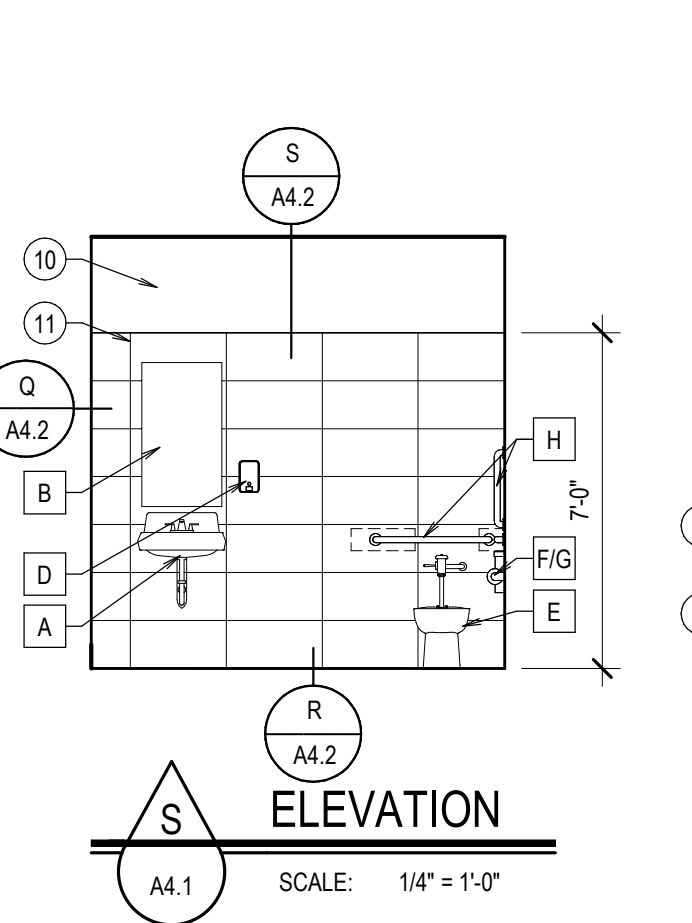
P ELEVATION
 SCALE: 1/4" = 1'-0"



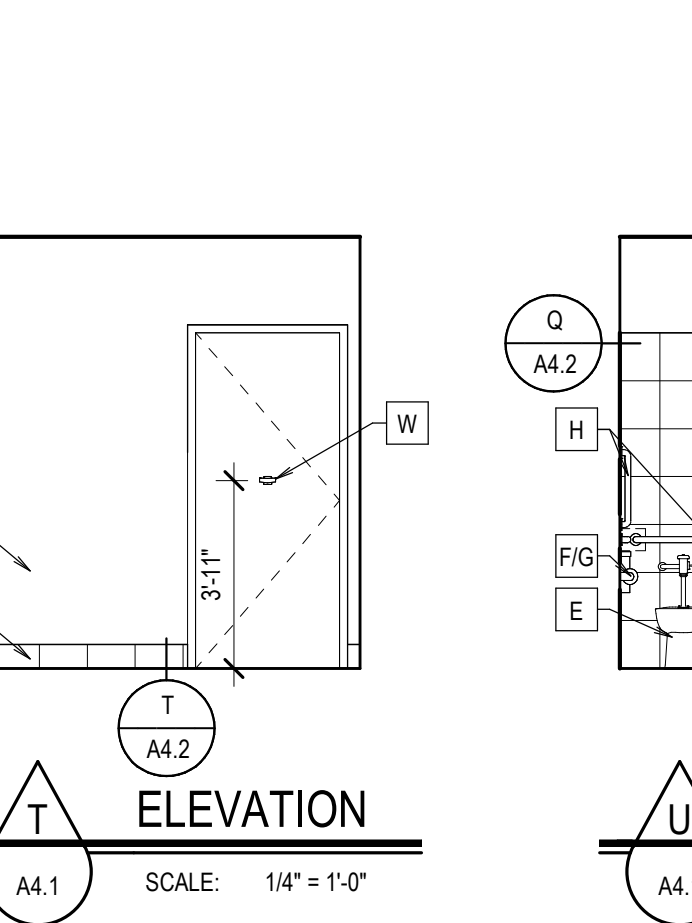
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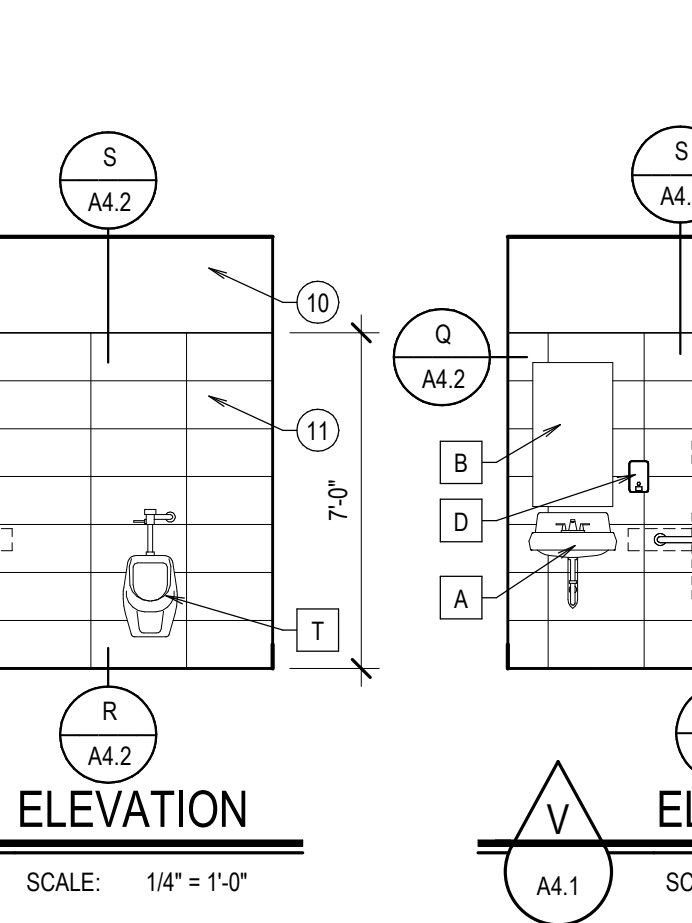
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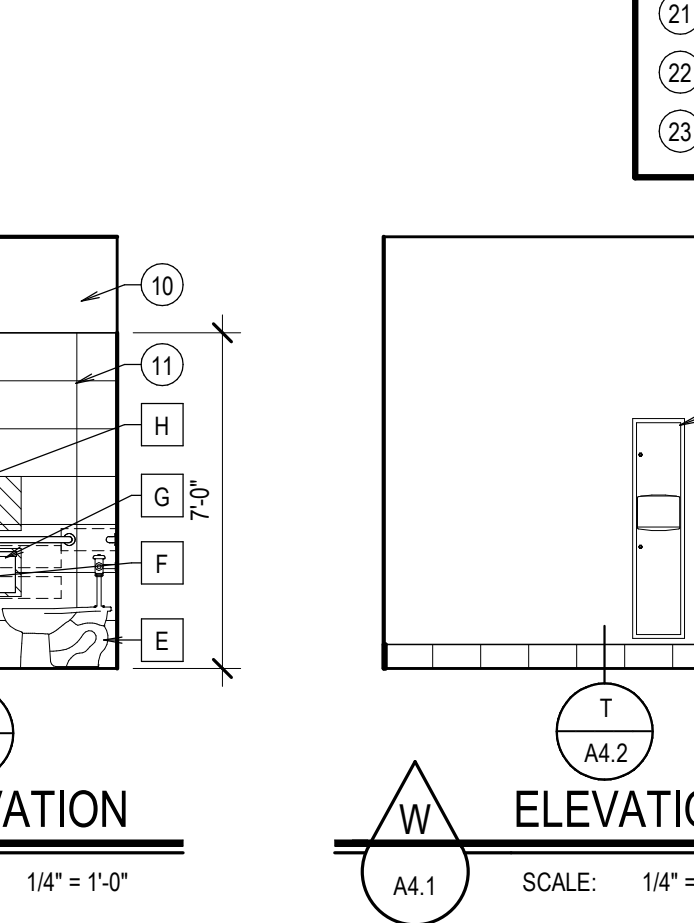
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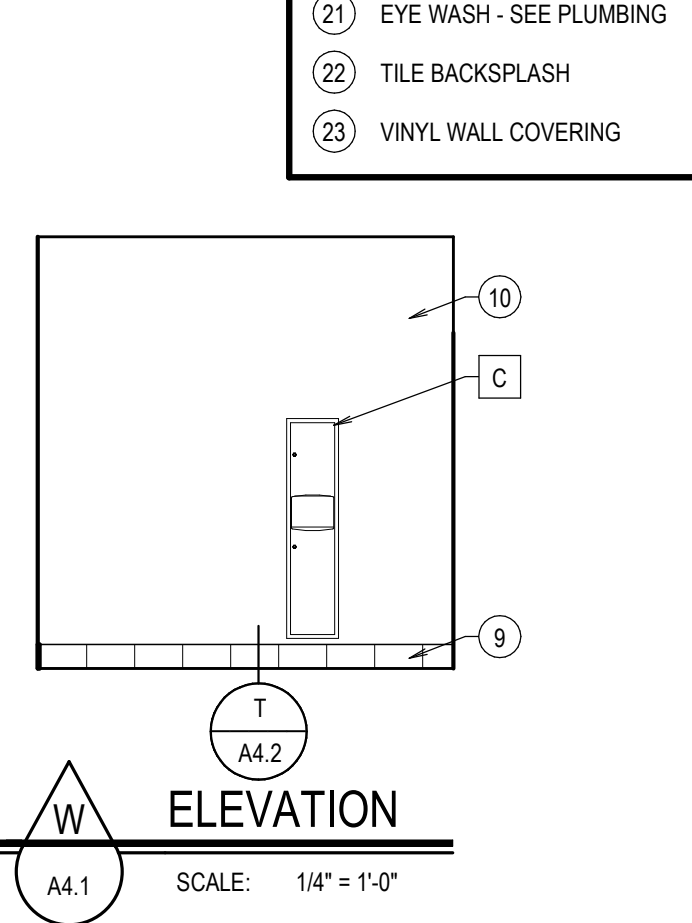
T ELEVATION
 SCALE: 1/4" = 1'-0"



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



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



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

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- CAULK ALL INTERIOR JOINTS.
- ALL DASH LINES INDICATE LOCATION OF BLOCKING; VERIFY ALL LOCATIONS.

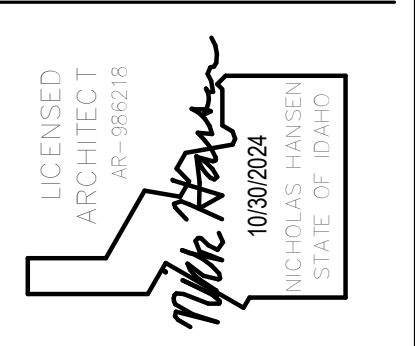
FIXTURES AND ACCESSORIES KEY

SEE ANSI MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES ON SHEET G2.0

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F	TOILET PAPER DISPENSER
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- SHelf BRACKETS
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- OFFICE EQUIPMENT - N.I.C.
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- SINK WITH FOOT PEDAL
- EVIDENCE PROCESS EQUIPMENT - SEE SHEET A5.2
- EYE WASH - SEE PLUMBING
- TILE BACKSPLASH
- VINYL WALL COVERING



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

REVISIONS

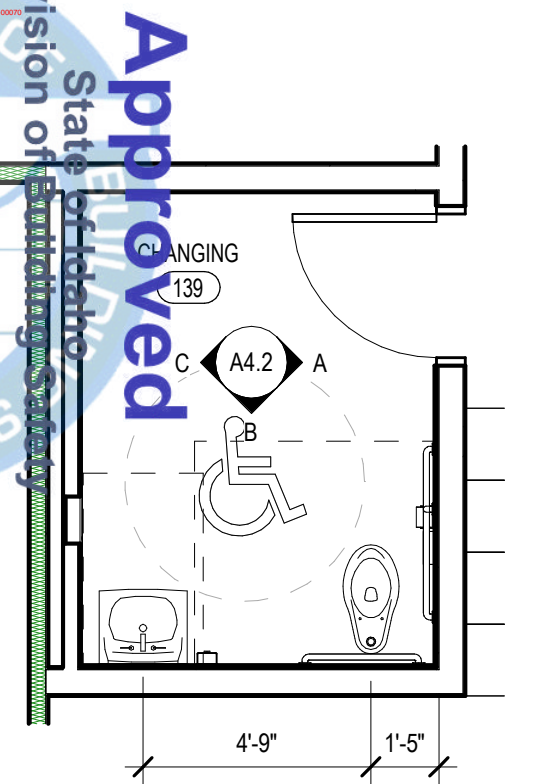
PROJECT NO.
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NRH/BTH/JNH
 CHECKED BY:
 NRH

DRAWING NO.:

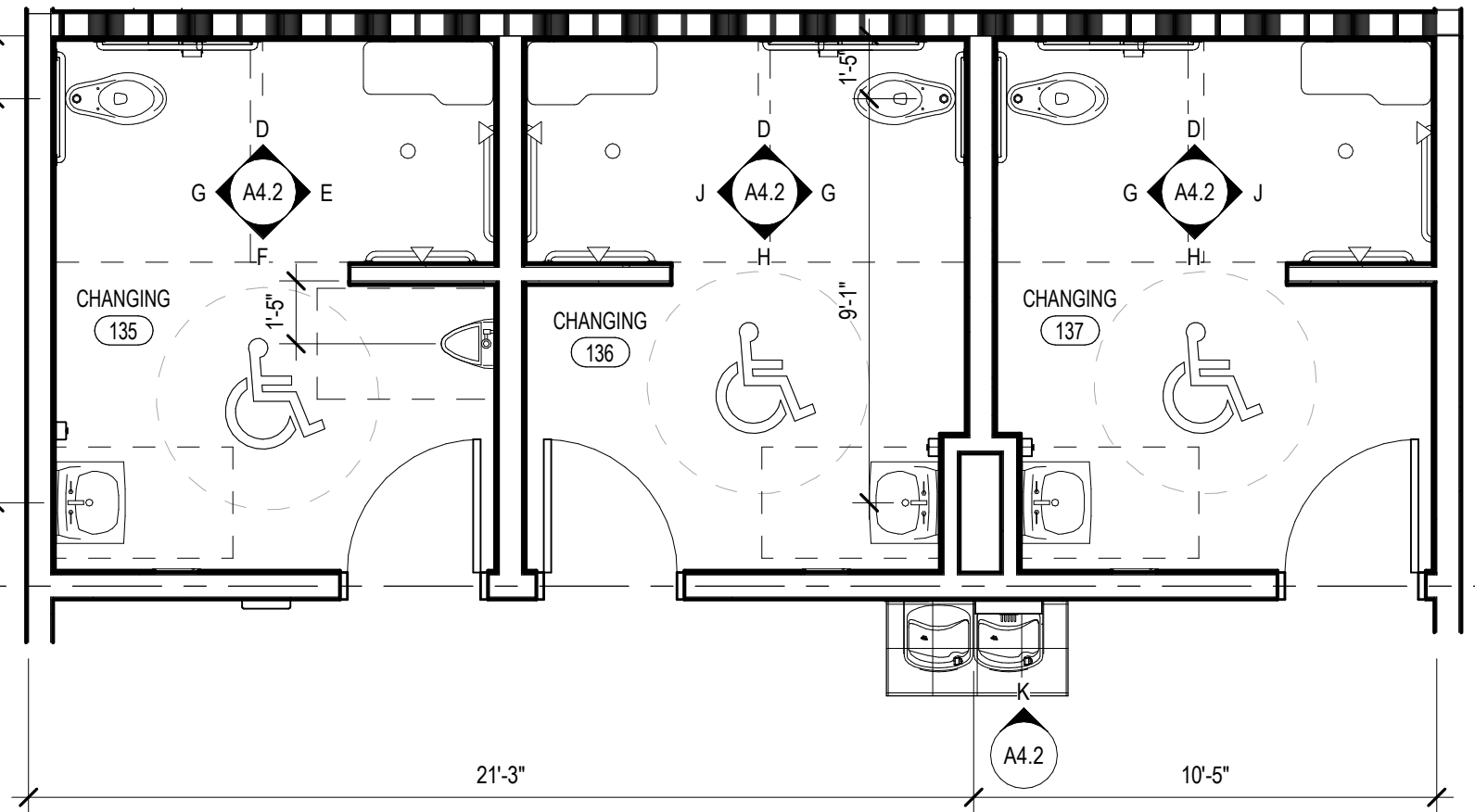
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These Documents are approved in accordance with the provisions of the Uniform Building Code, International Building Code, and other applicable codes, standards, laws, rules, regulations, or rules applicable to this project.

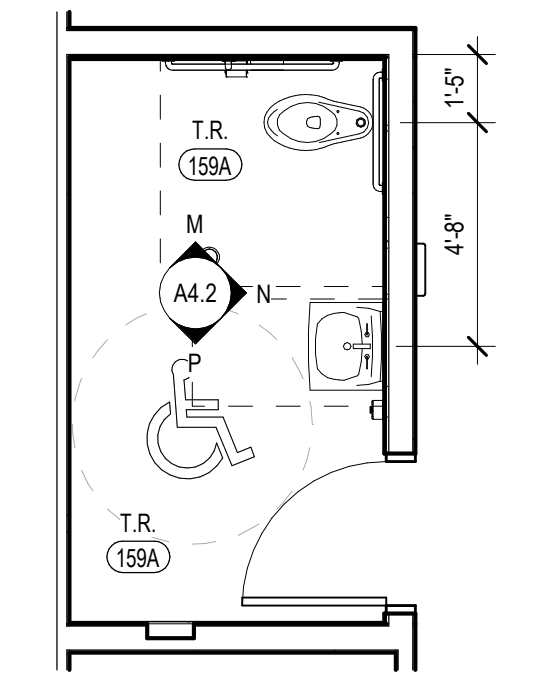
Division of Building Safety
 State of Idaho
 Approved
 Date: 10/30/2024
 MICHAEL HANSEN
 ARCHITECT
 10302024
 STATE OF IDAHO



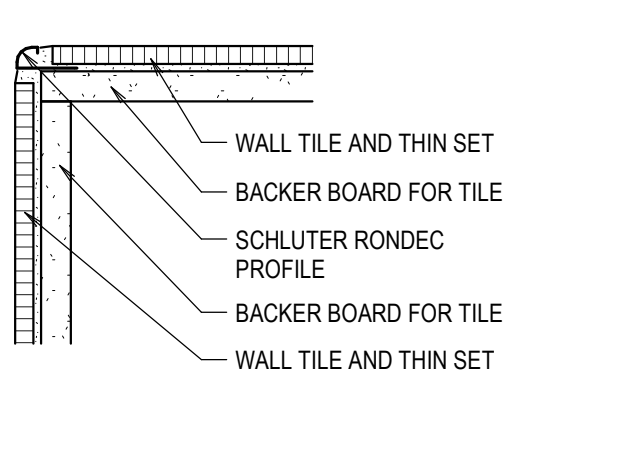
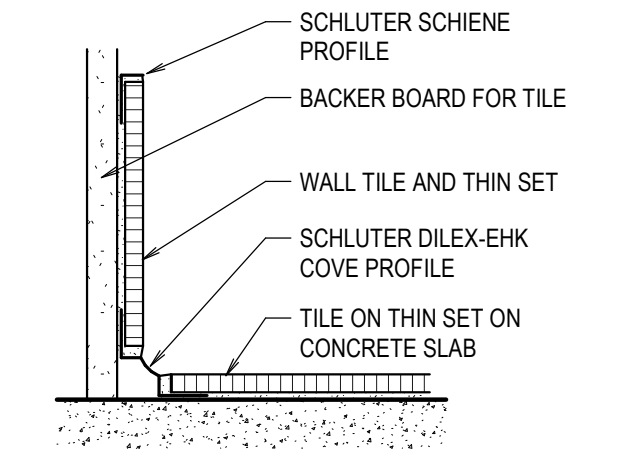
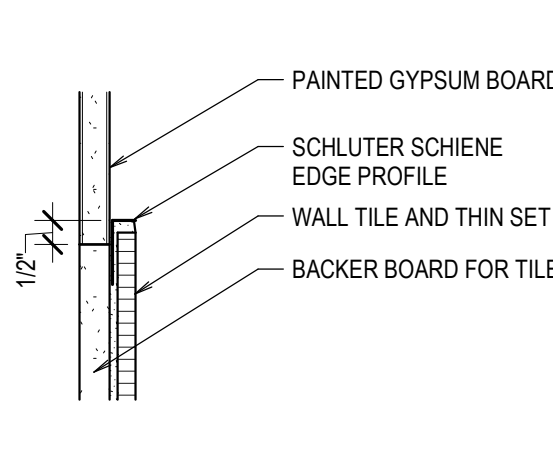
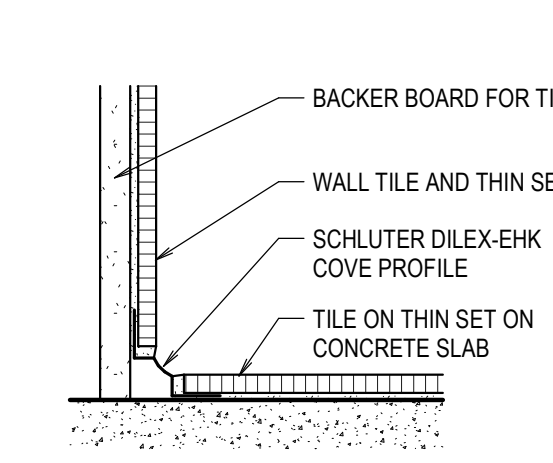
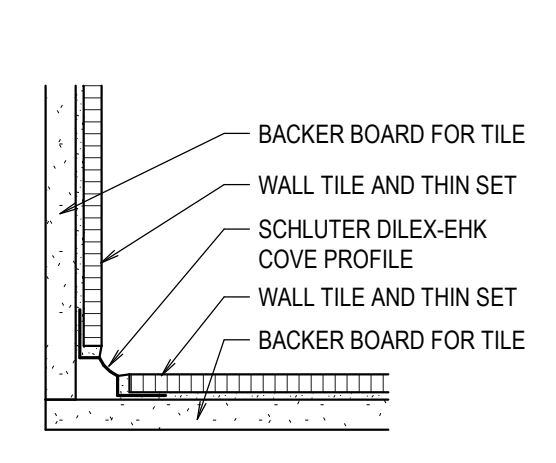
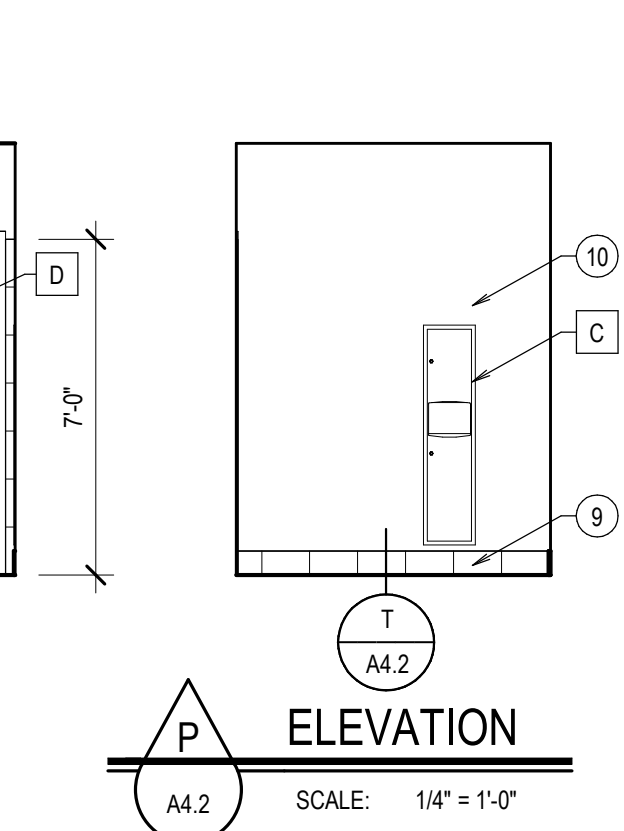
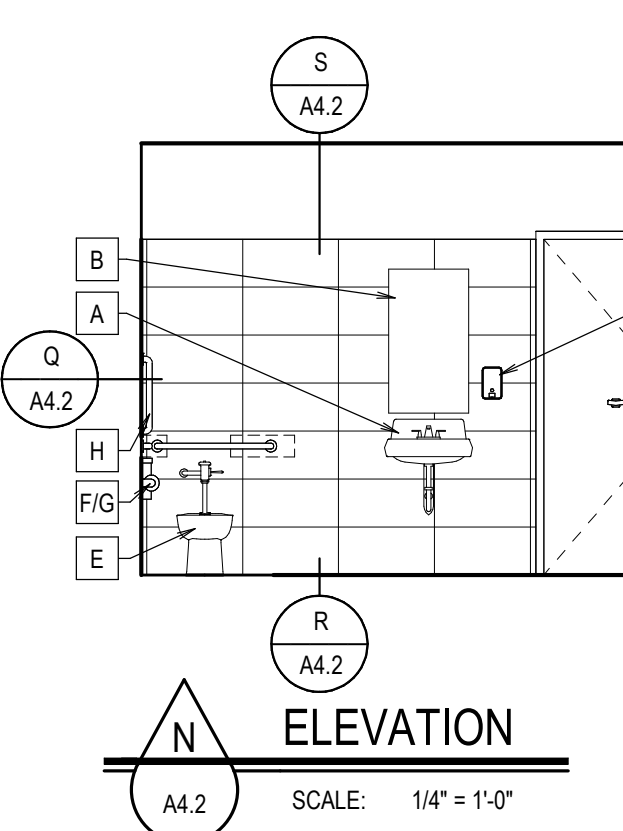
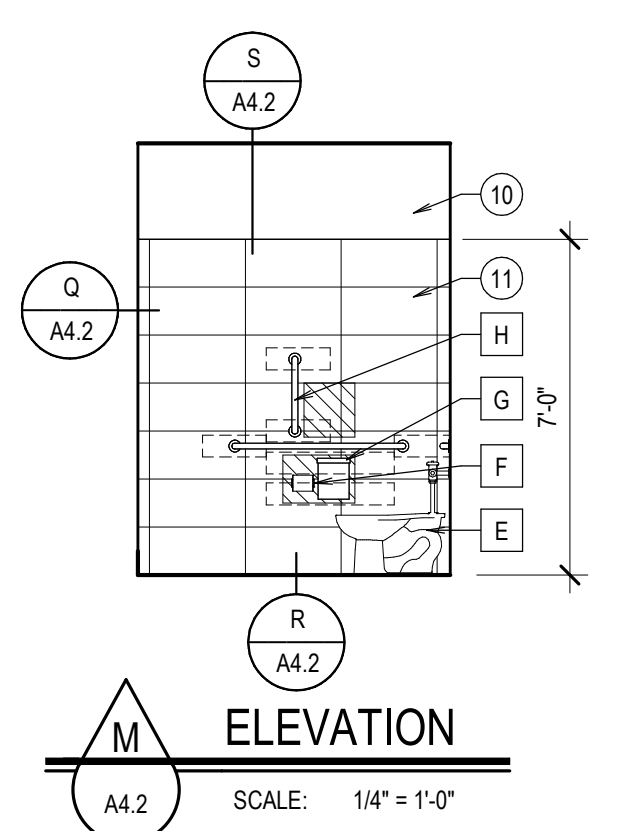
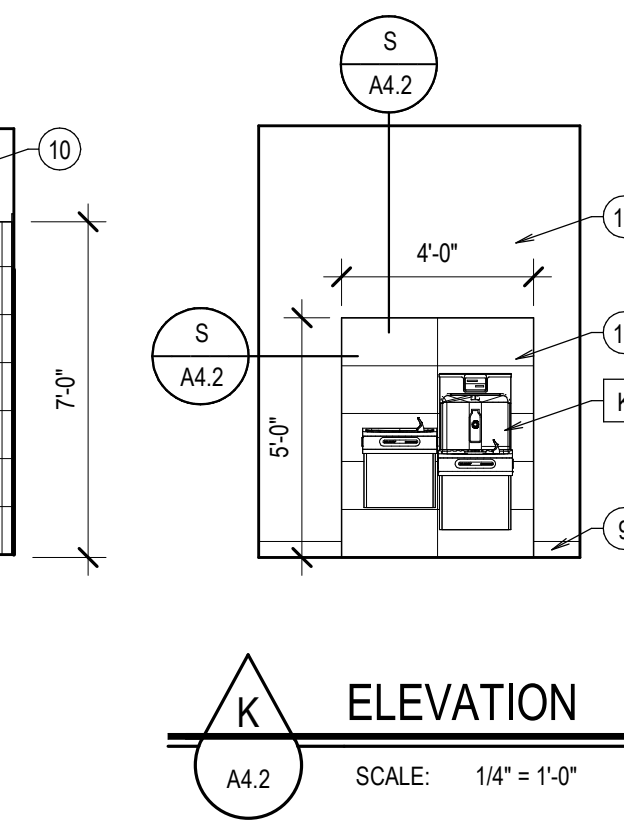
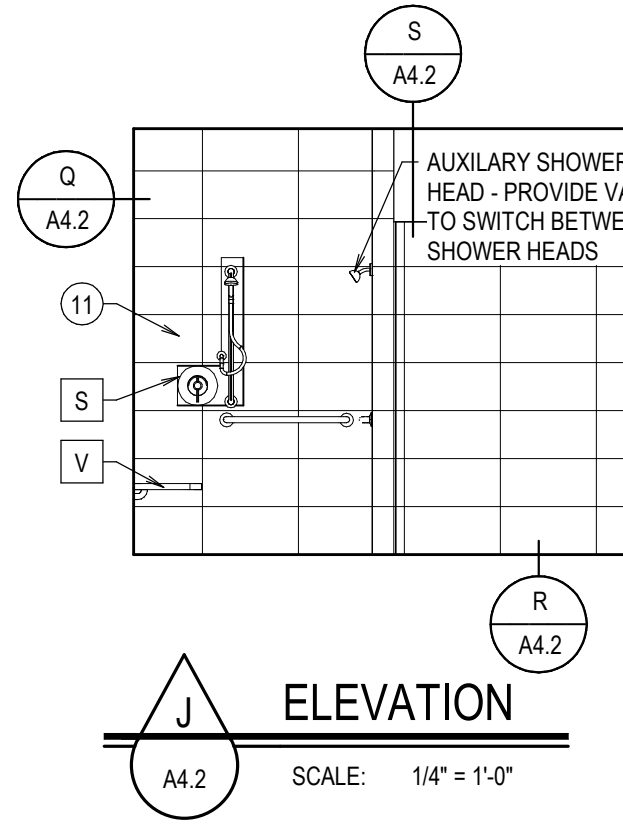
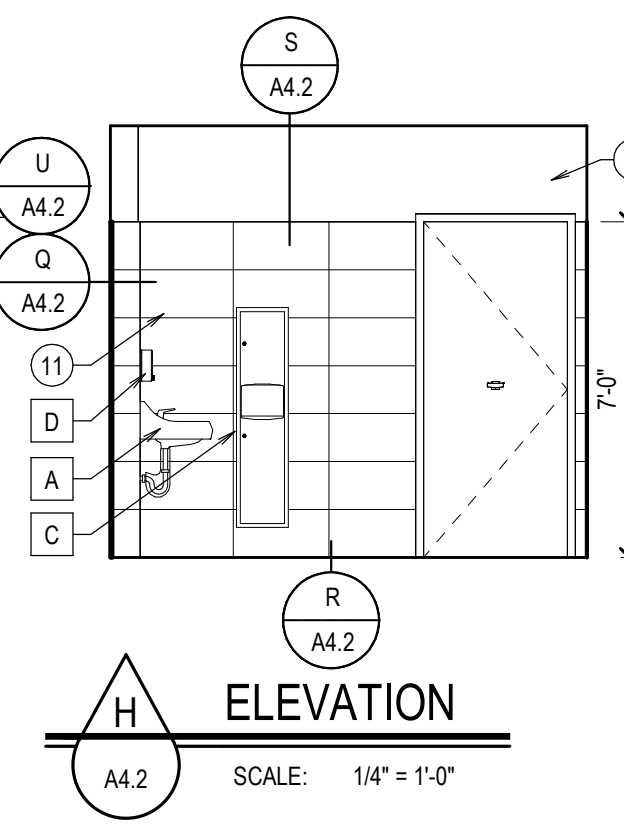
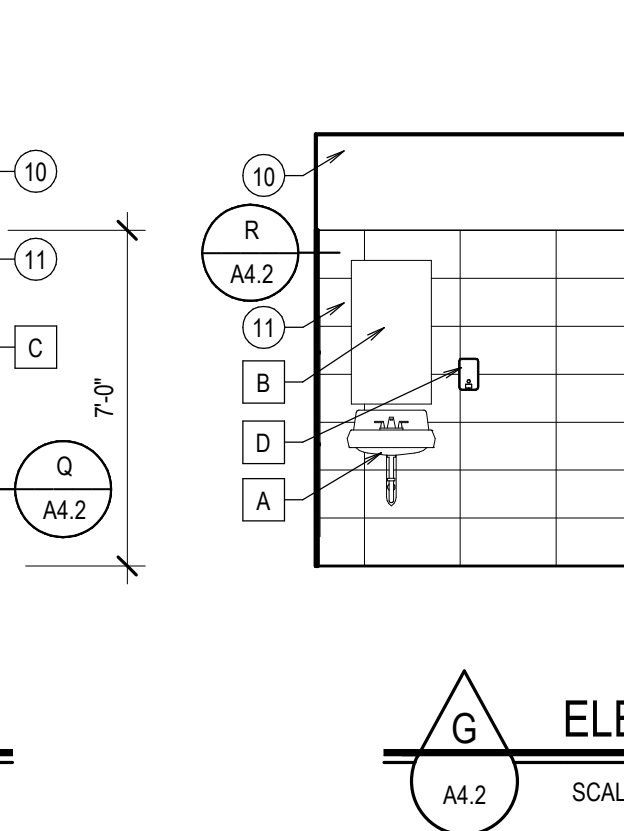
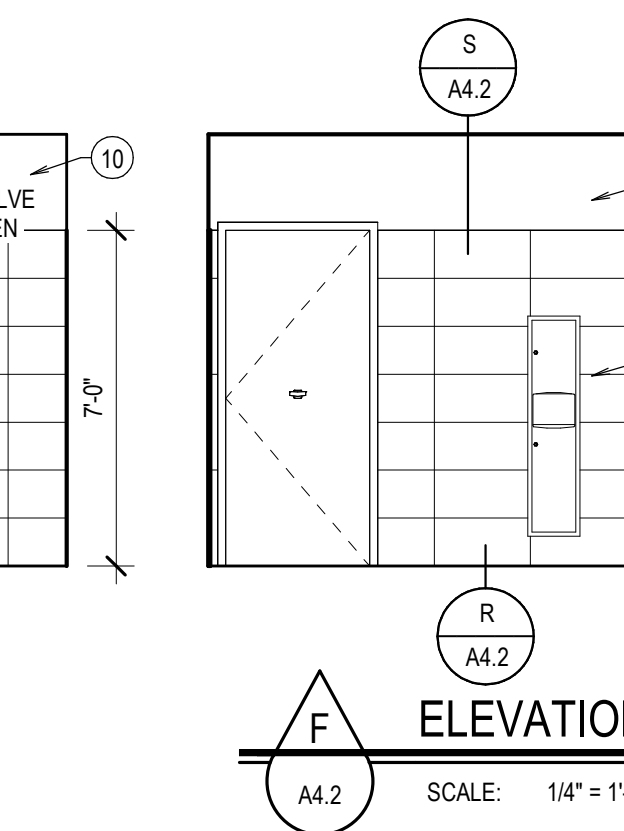
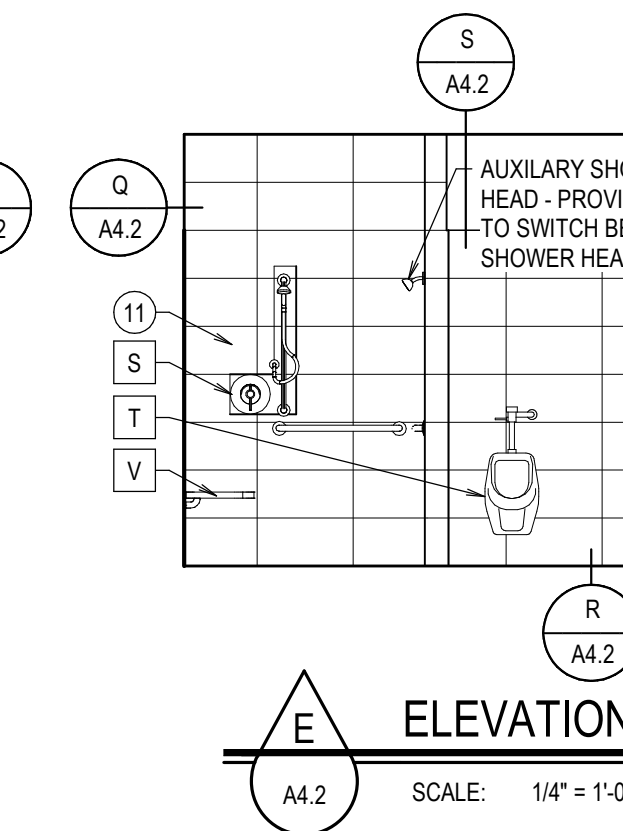
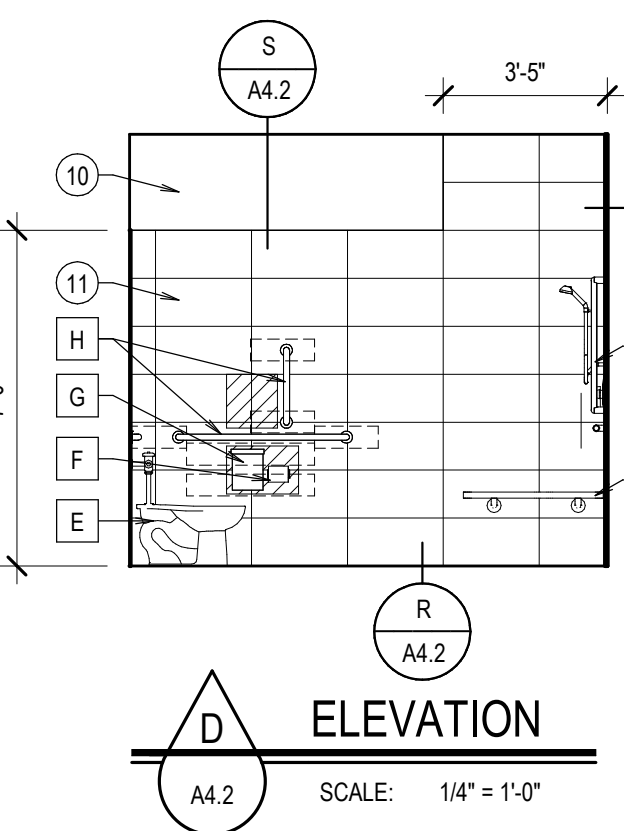
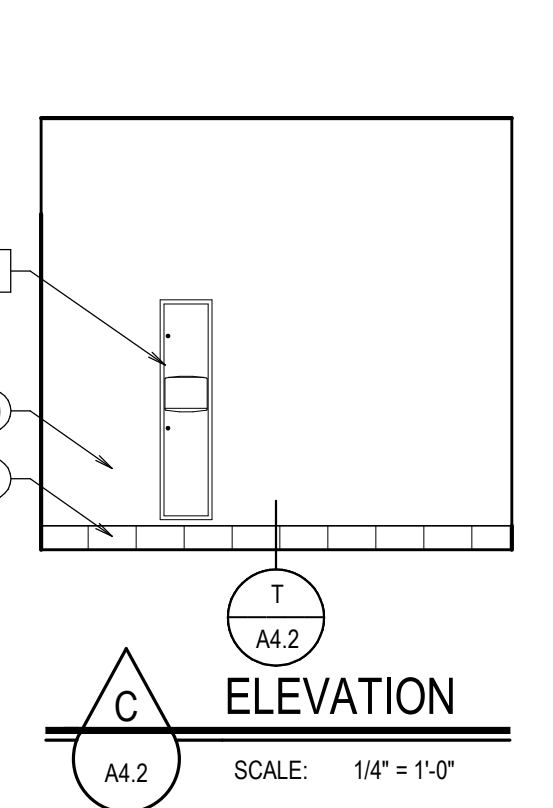
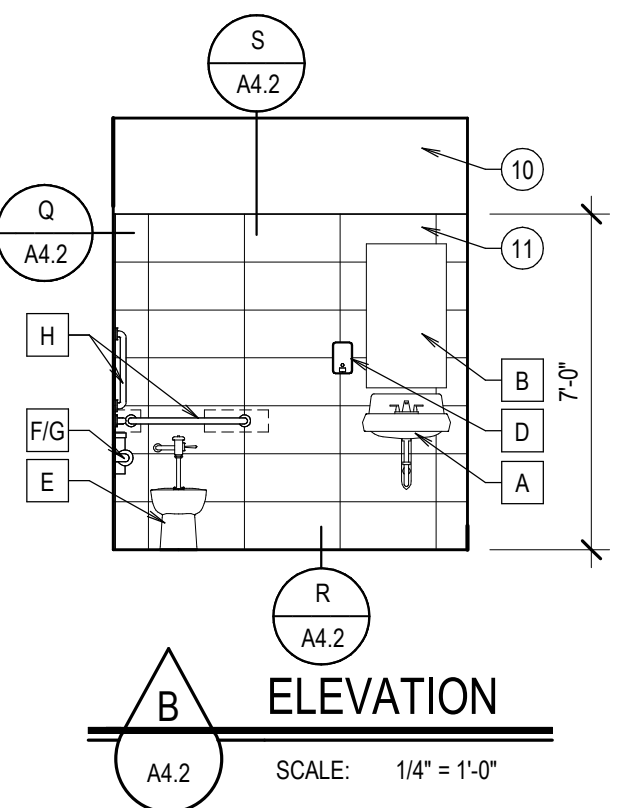
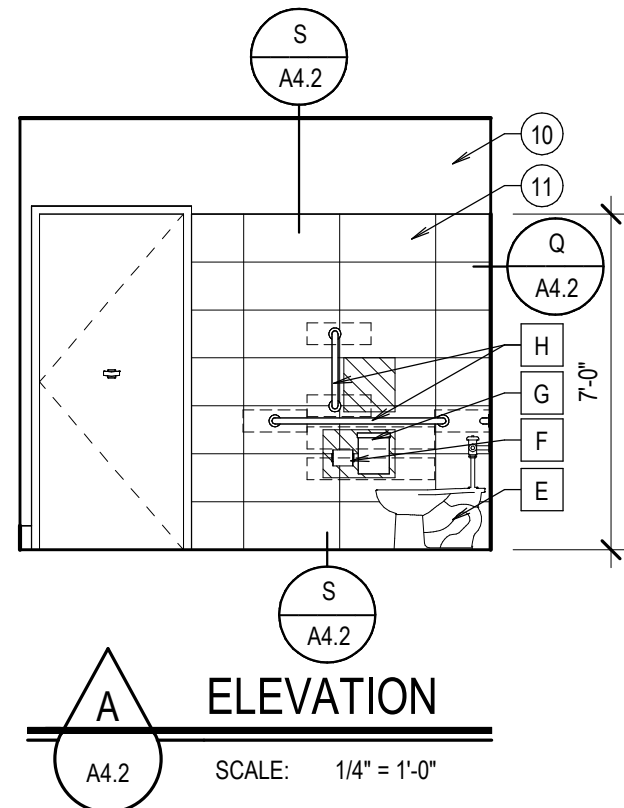
1 ENLARGED PLAN
 A4.2 SCALE: 1/4" = 1'-0"



2 ENLARGED PLAN
 A4.2 SCALE: 1/4" = 1'-0"



3 ENLARGED PLAN
 A4.2 SCALE: 1/4" = 1'-0"



Q DETAIL
 A4.2 SCALE: 3" = 1'-0"

R DETAIL
 A4.2 SCALE: 3" = 1'-0"

S DETAIL
 A4.2 SCALE: 3" = 1'-0"

T DETAIL
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- EYE WASH - SEE PLUMBING
- TILE BACKSPLASH
- VINYL WALL COVERING

LICENSED ARCHITECT
 MICHAEL HANSEN
 10302024
 STATE OF IDAHO

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: ENLARGED TOILET ROOM PLANS AND ELEVATIONS

REVISIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

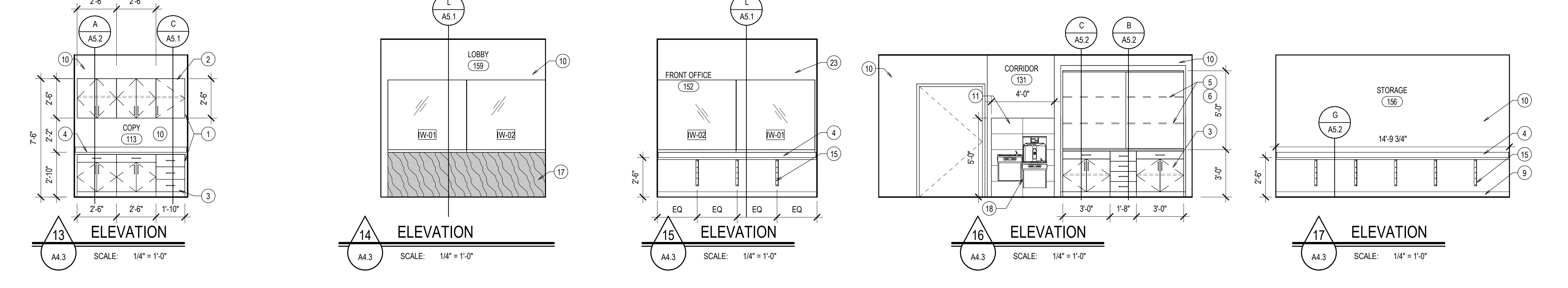
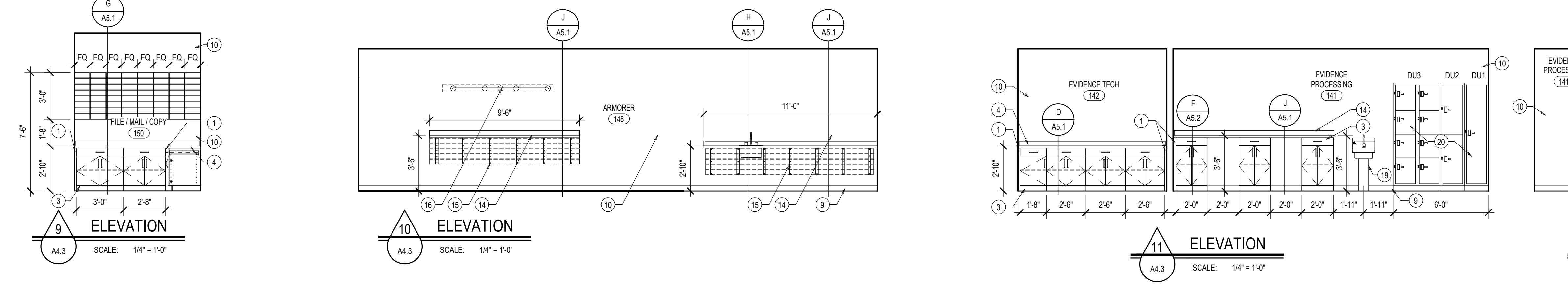
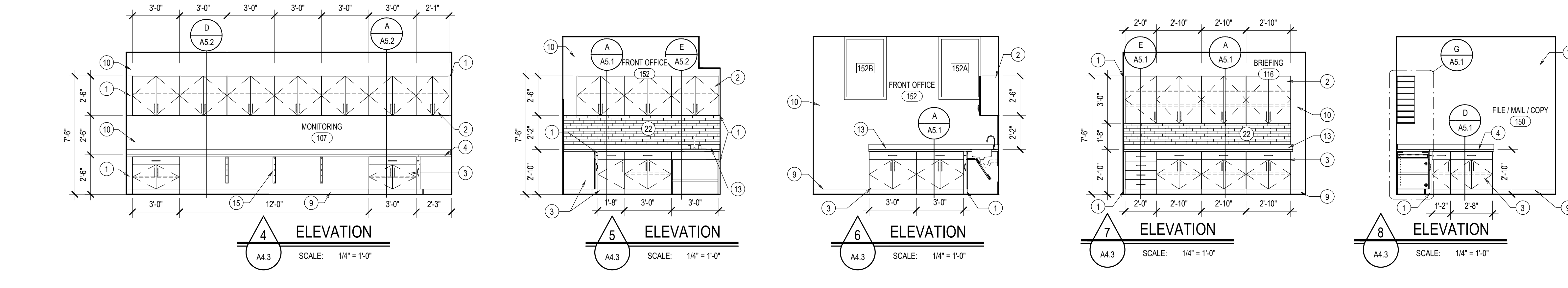
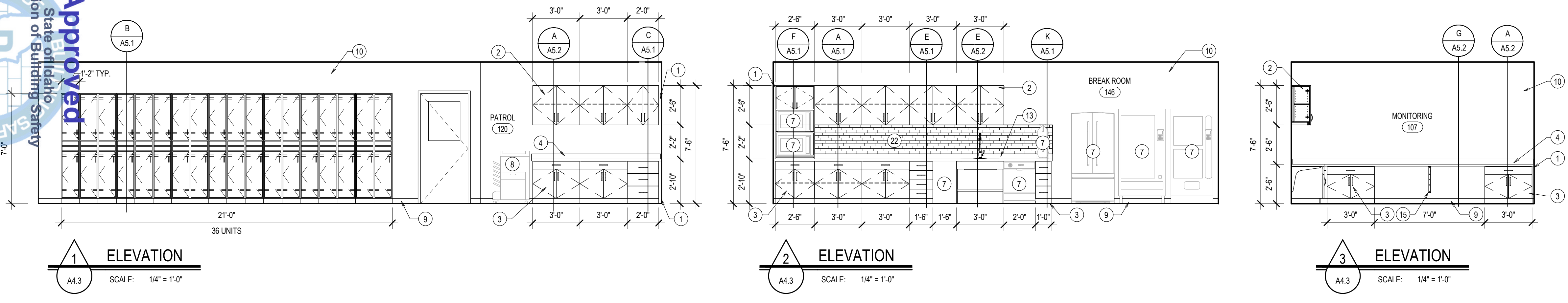
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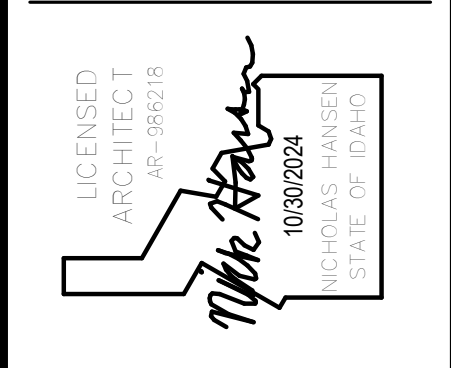
Approved
 State of Idaho
 Division of Building Safety

These Documents are approved in accordance with the provisions of the Idaho Building Code, and shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

2024-10-30 4:37:17 PM Autodesk Docs://DPW/22511 ISP District 6 HQ/DPW 22511 ISP 1155 FOOTE DRIVE Existing Building.rvt



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:
 INTERIOR ELEVATIONS

REVISIONS

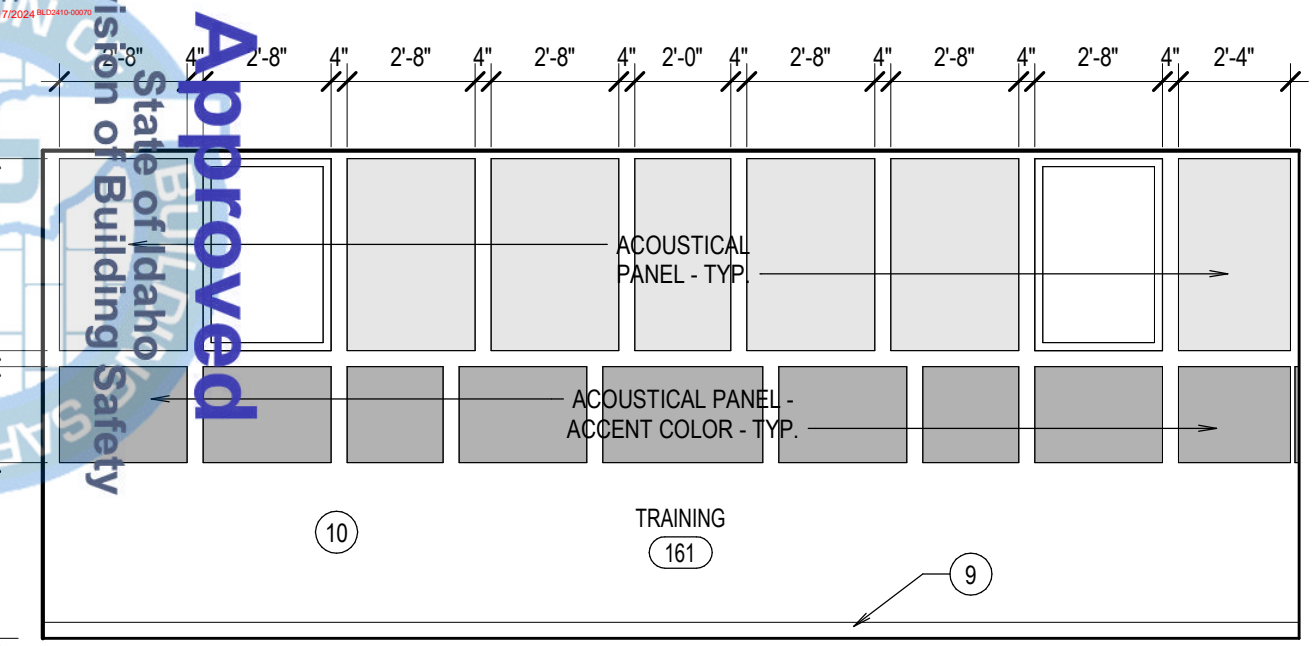
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 NRH

DRAWING NO.:

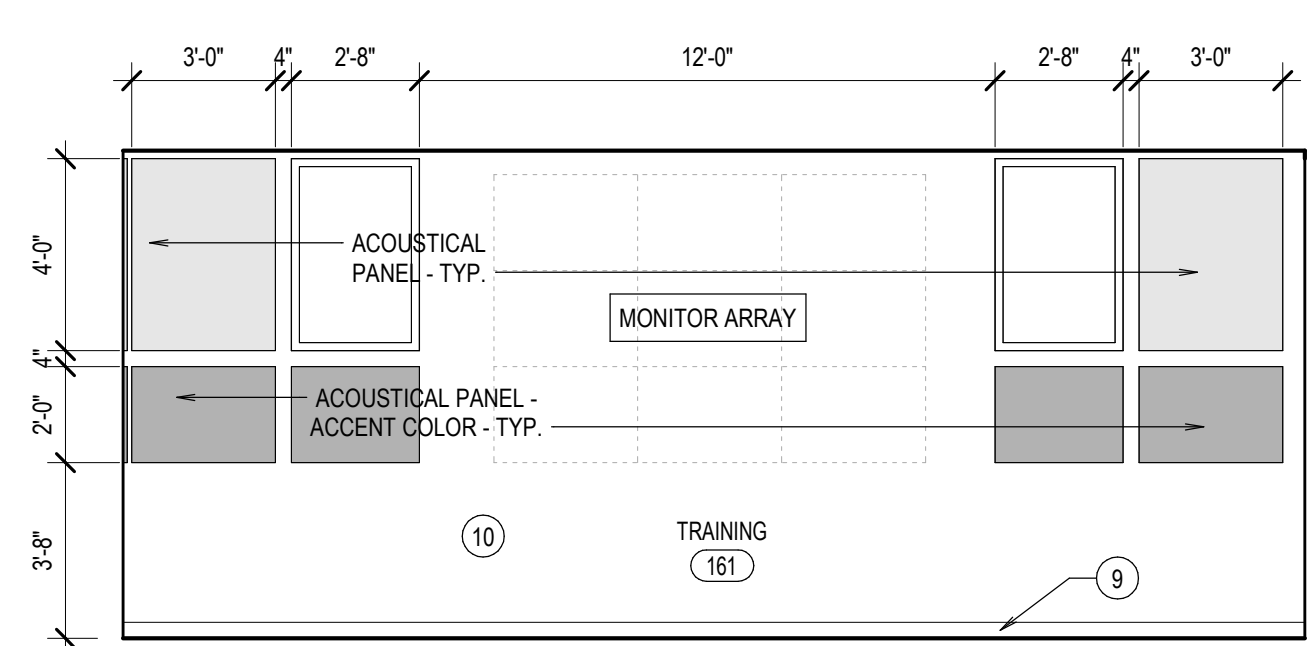
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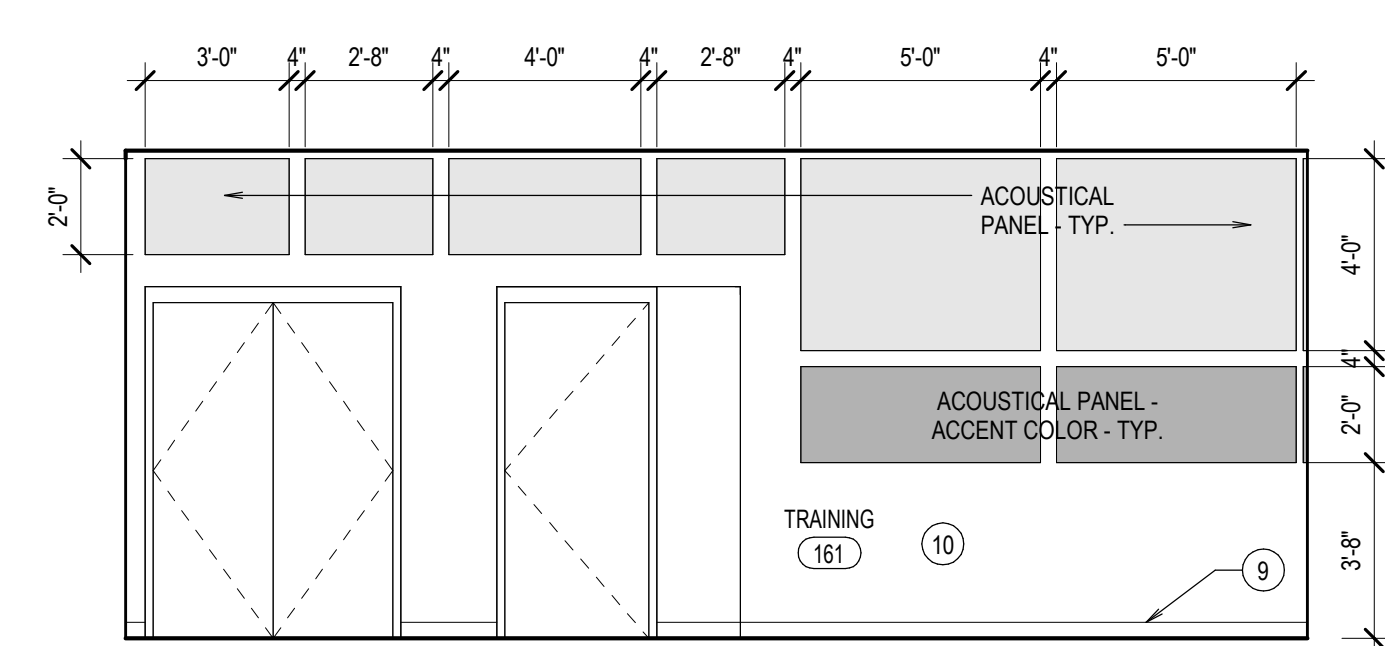
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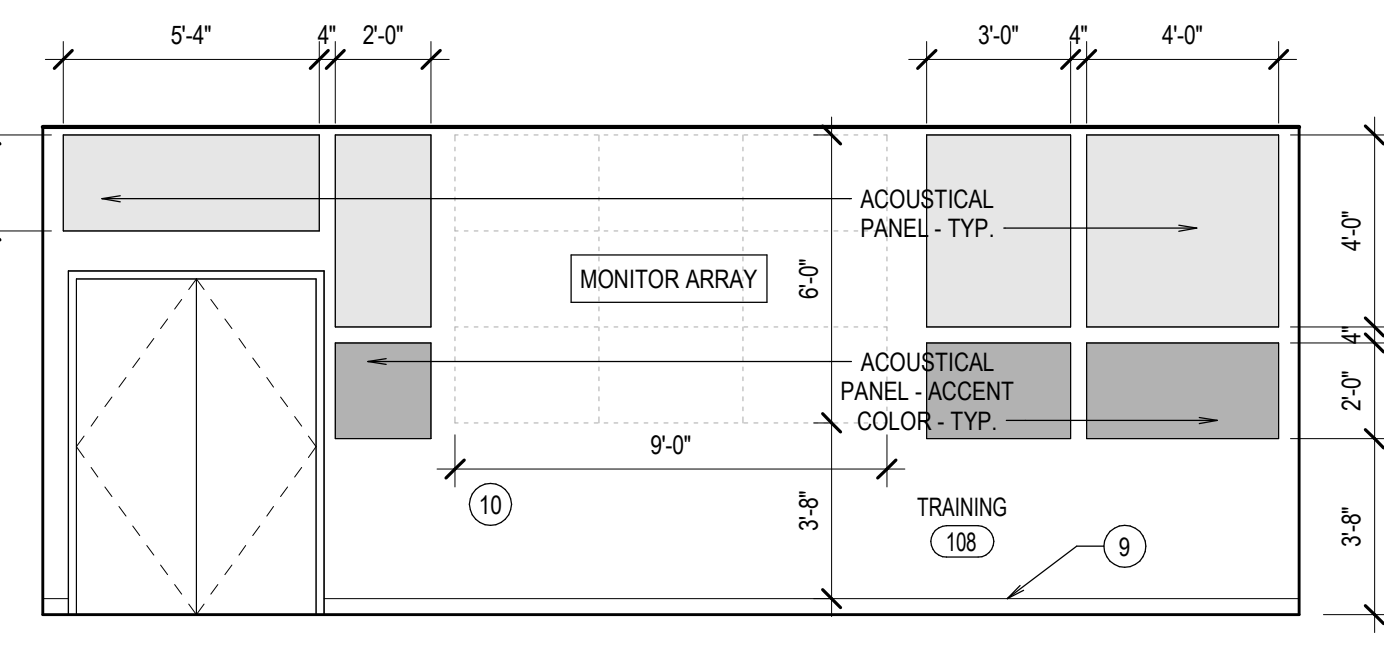
1 ELEVATION
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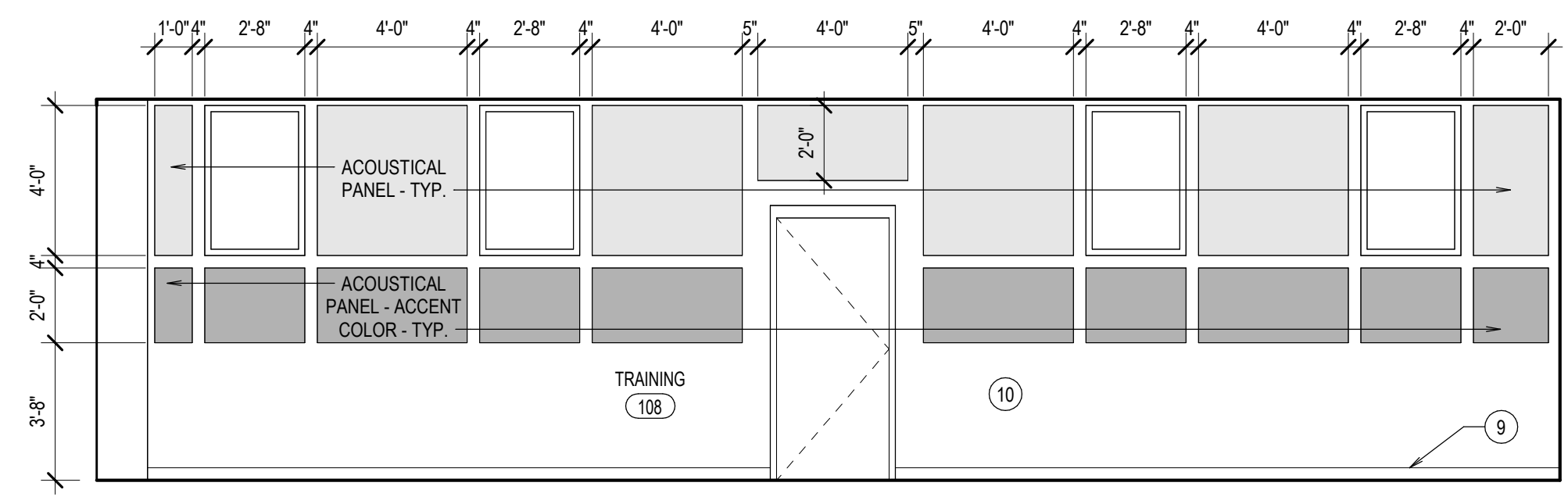
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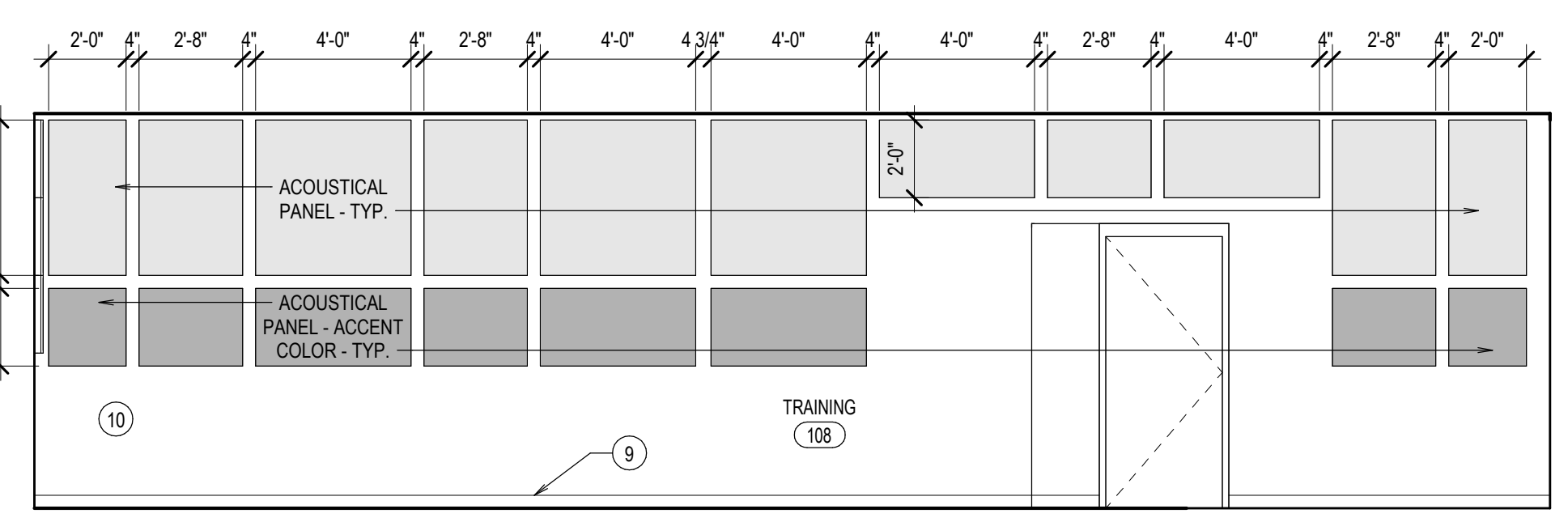
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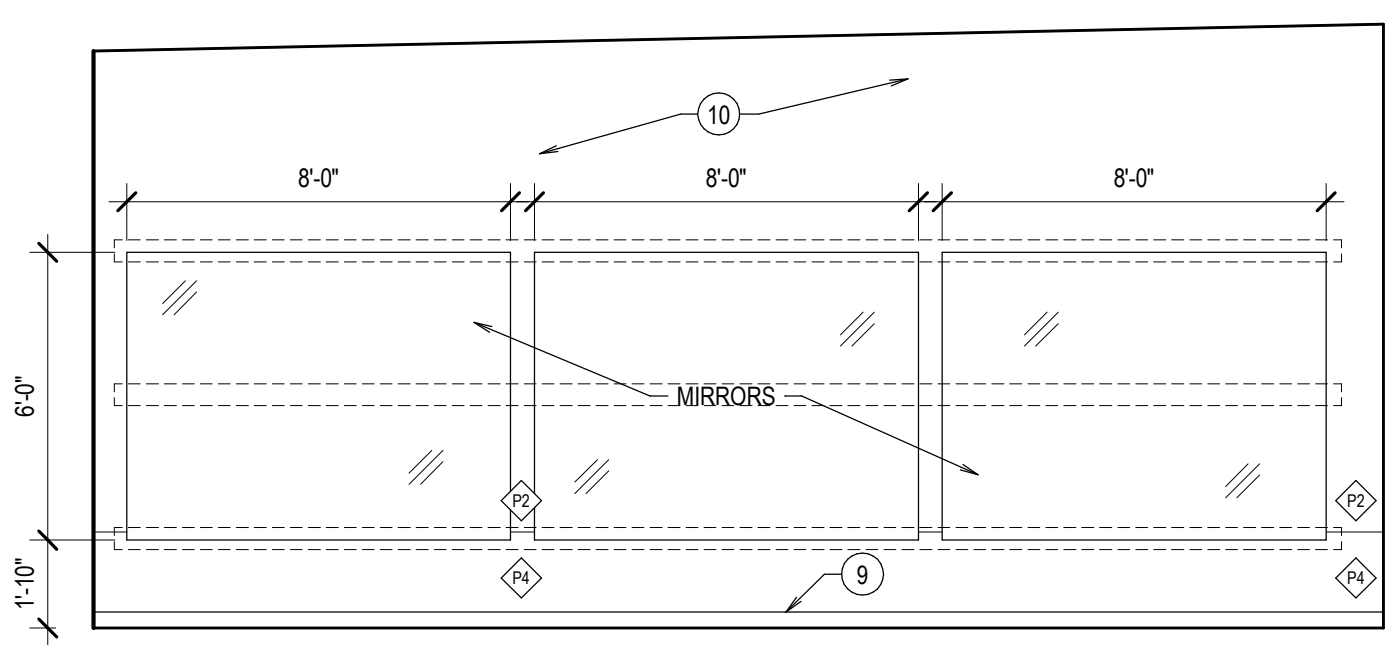
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 A4.4 SCALE: 1/4" = 1'-0"



5 ELEVATION
 A4.4 SCALE: 1/4" = 1'-0"



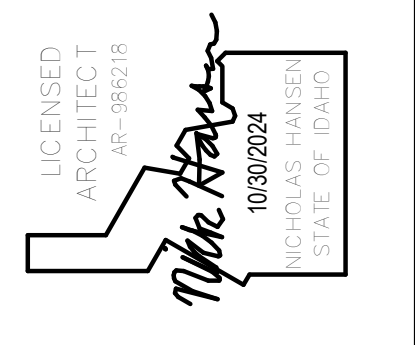
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 A4.4 SCALE: 1/4" = 1'-0"



7 Elevation 3 - a
 A4.4 SCALE: 1/4" = 1'-0"

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REMODEL FOR:
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 IDAHO FALLS, IDAHO 83402

SHEET TITLE:
INTERIOR ELEVATIONS

PROJECT NO.
 21034
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 NRH/BTH/JNH
 CHECKED BY:
 NRH

NO.	REVISIONS

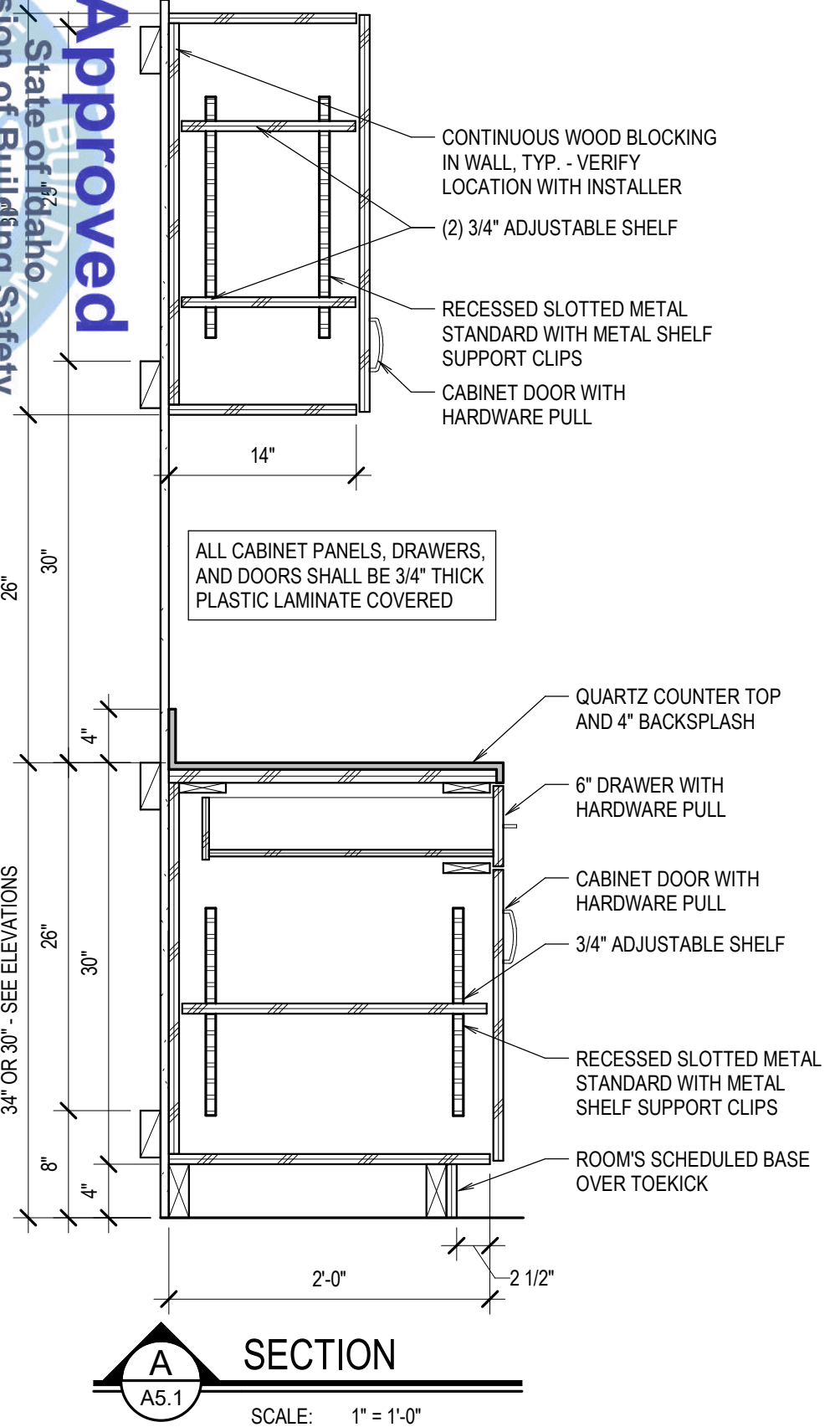
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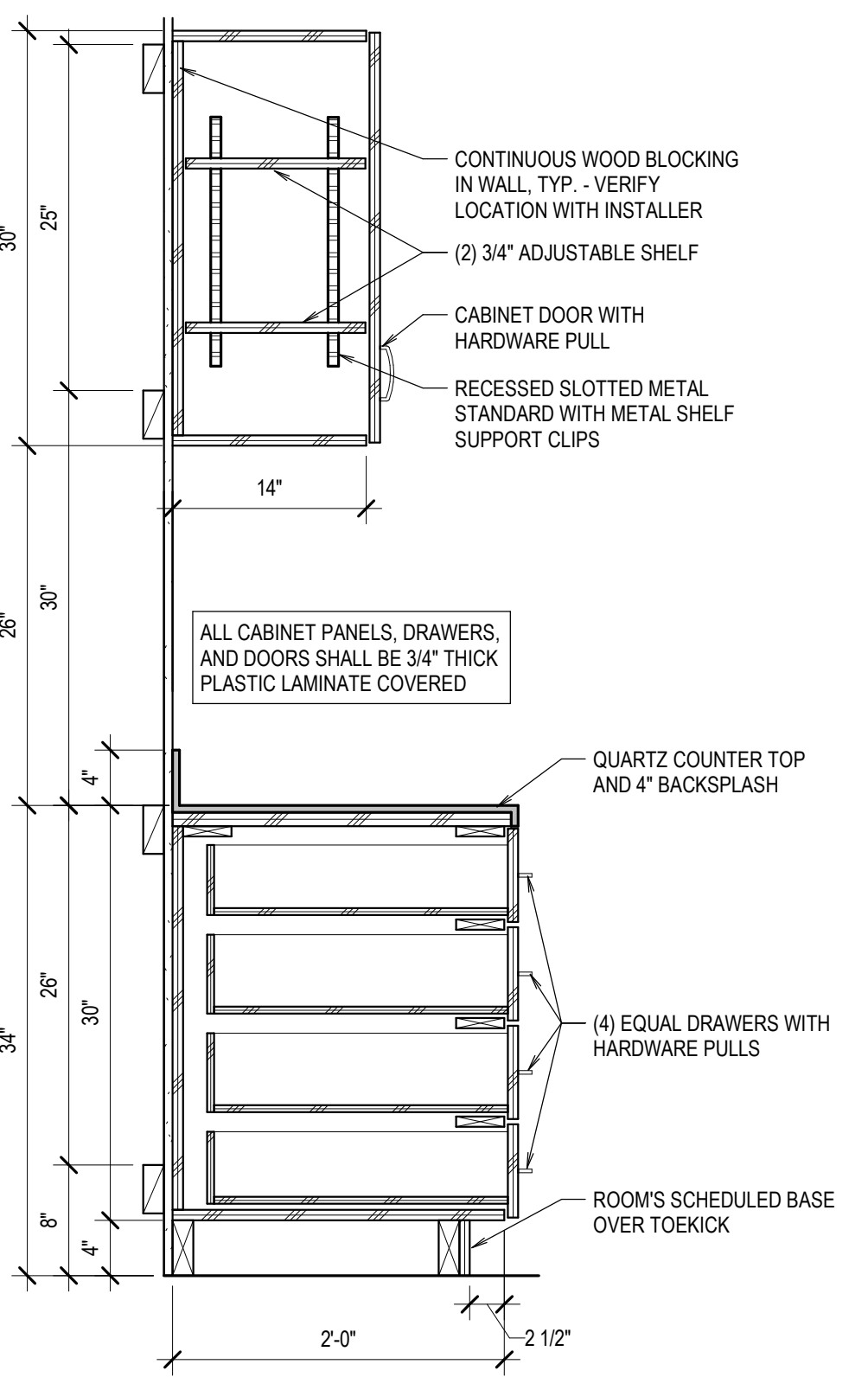
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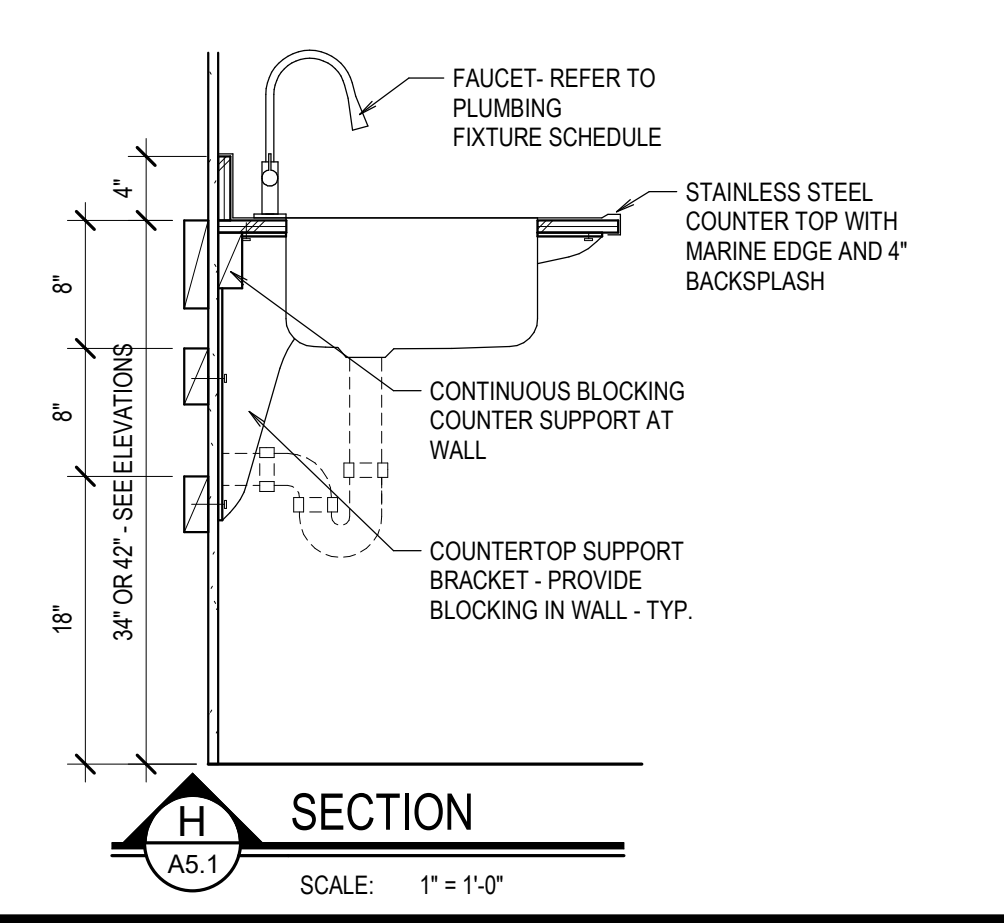
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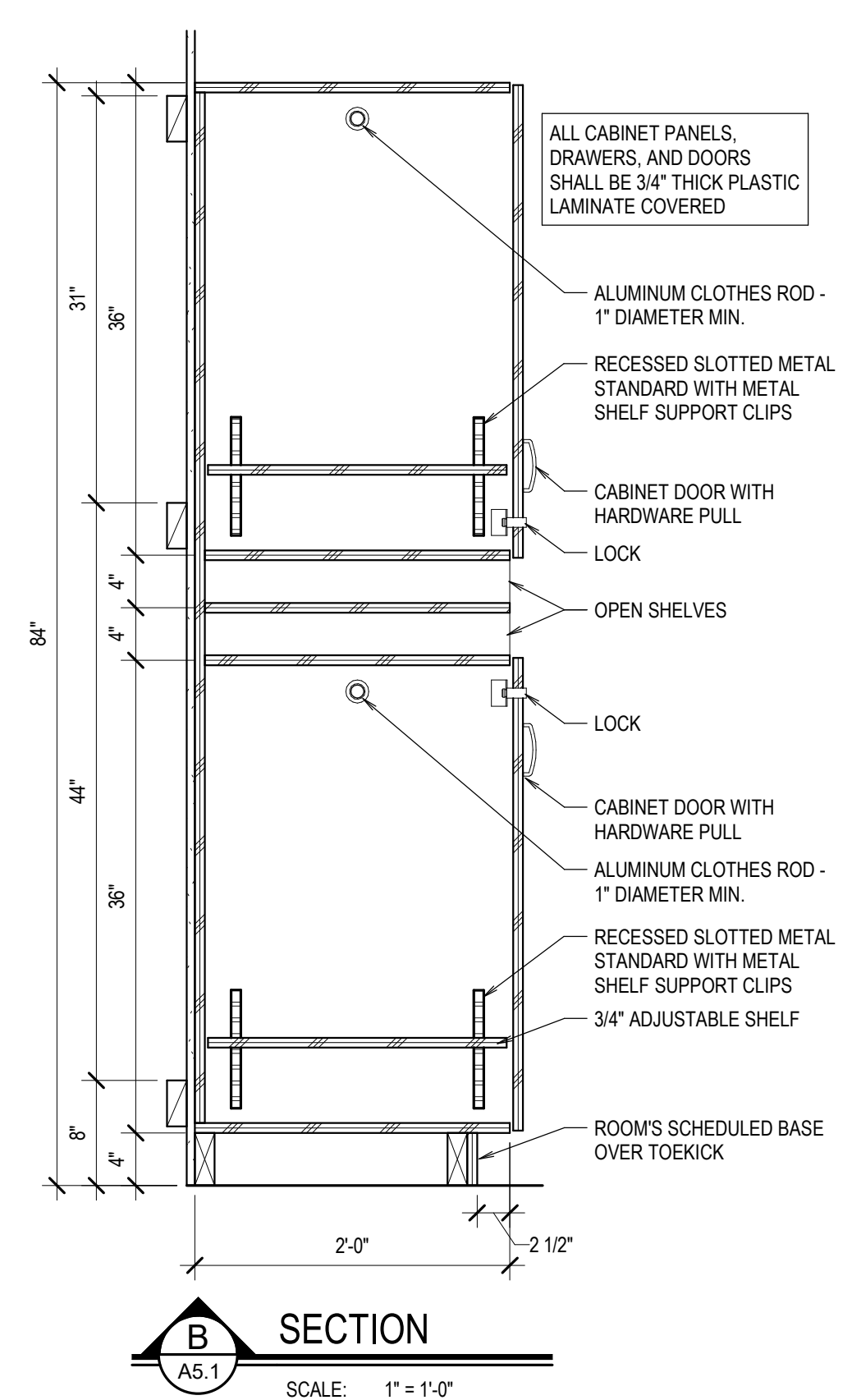
SECTION A
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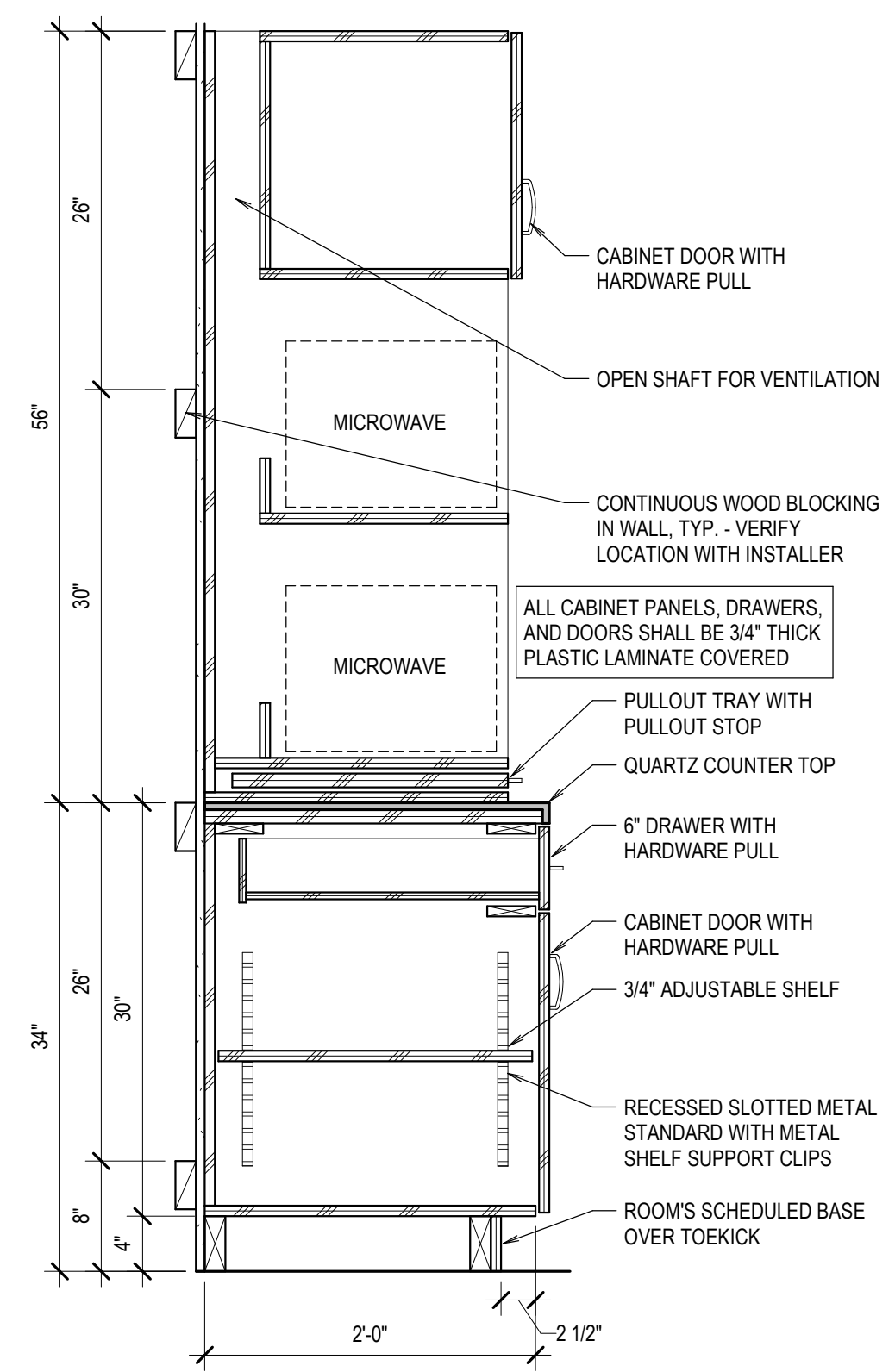
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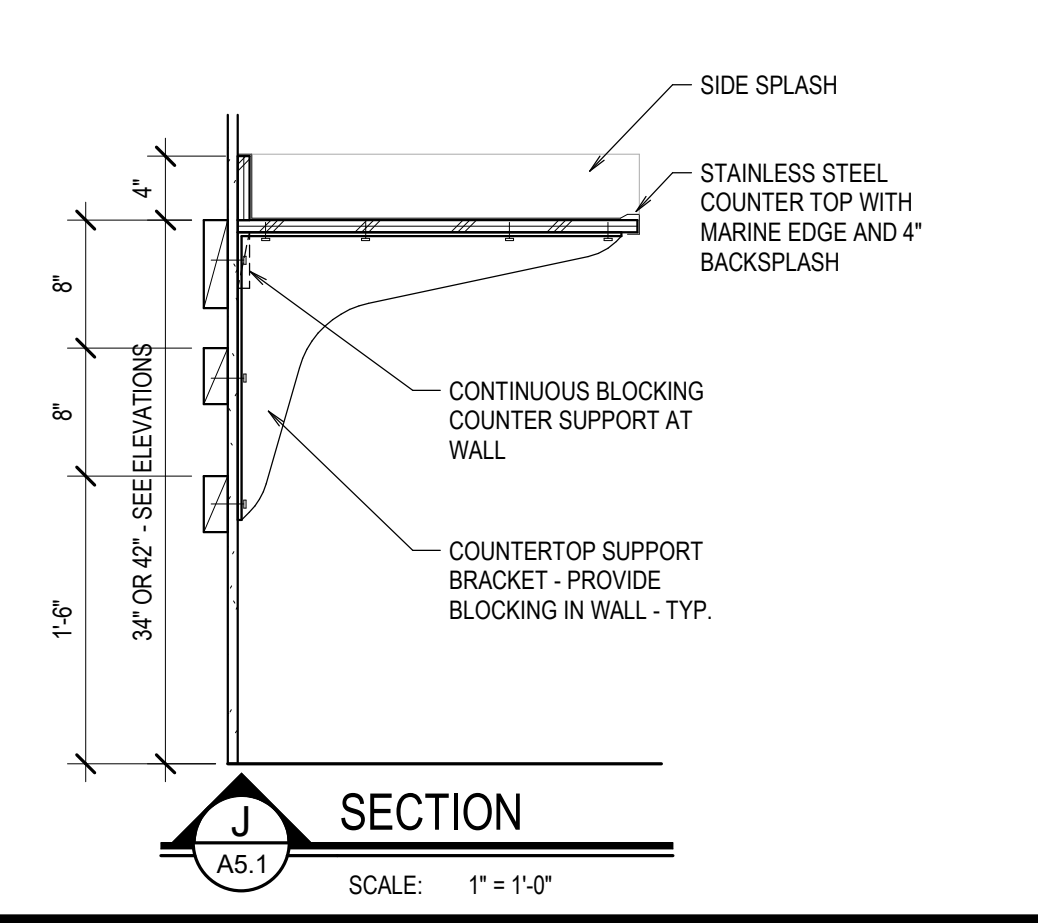
SECTION H
 A5.1 SCALE: 1" = 1'-0"



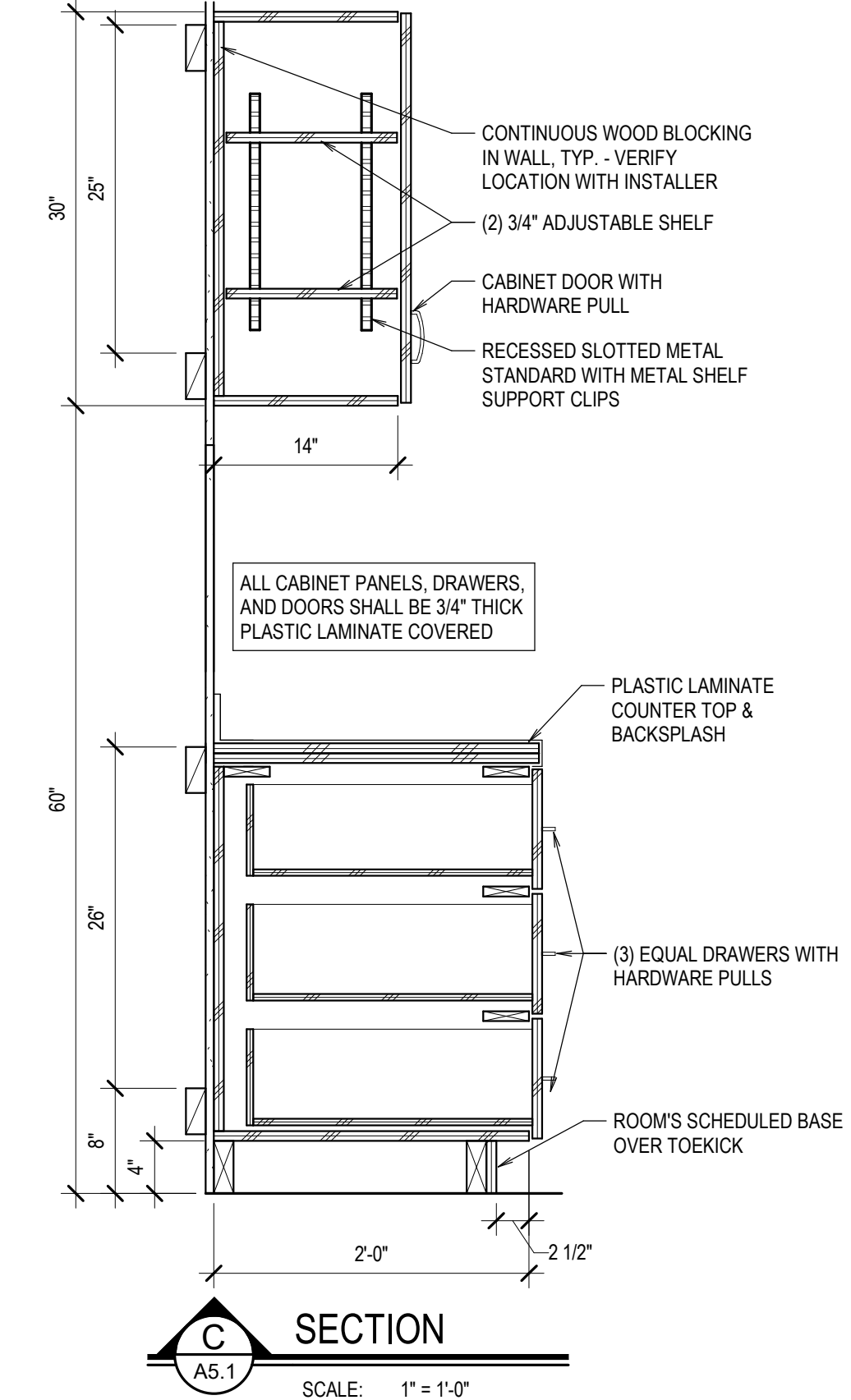
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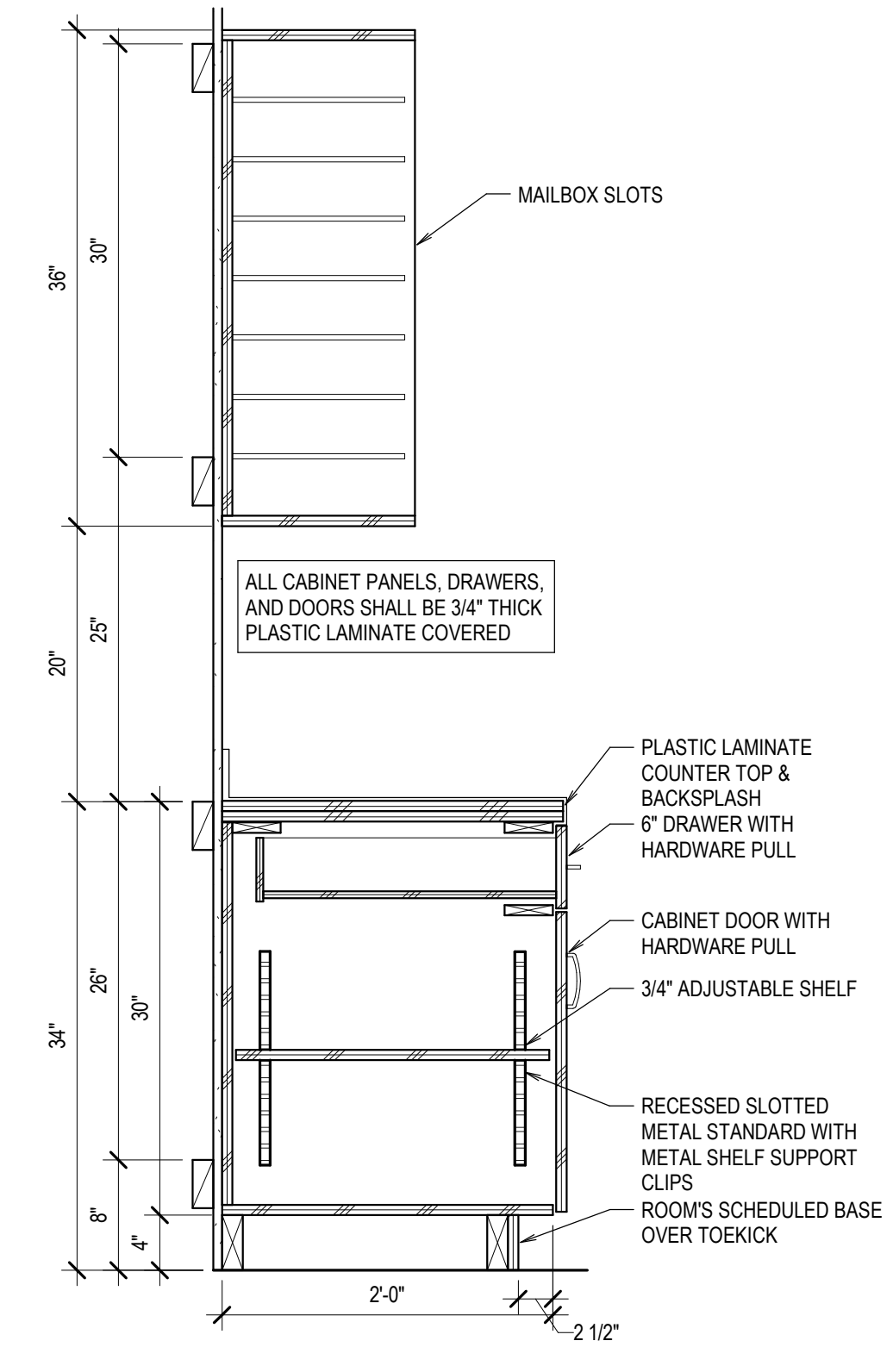
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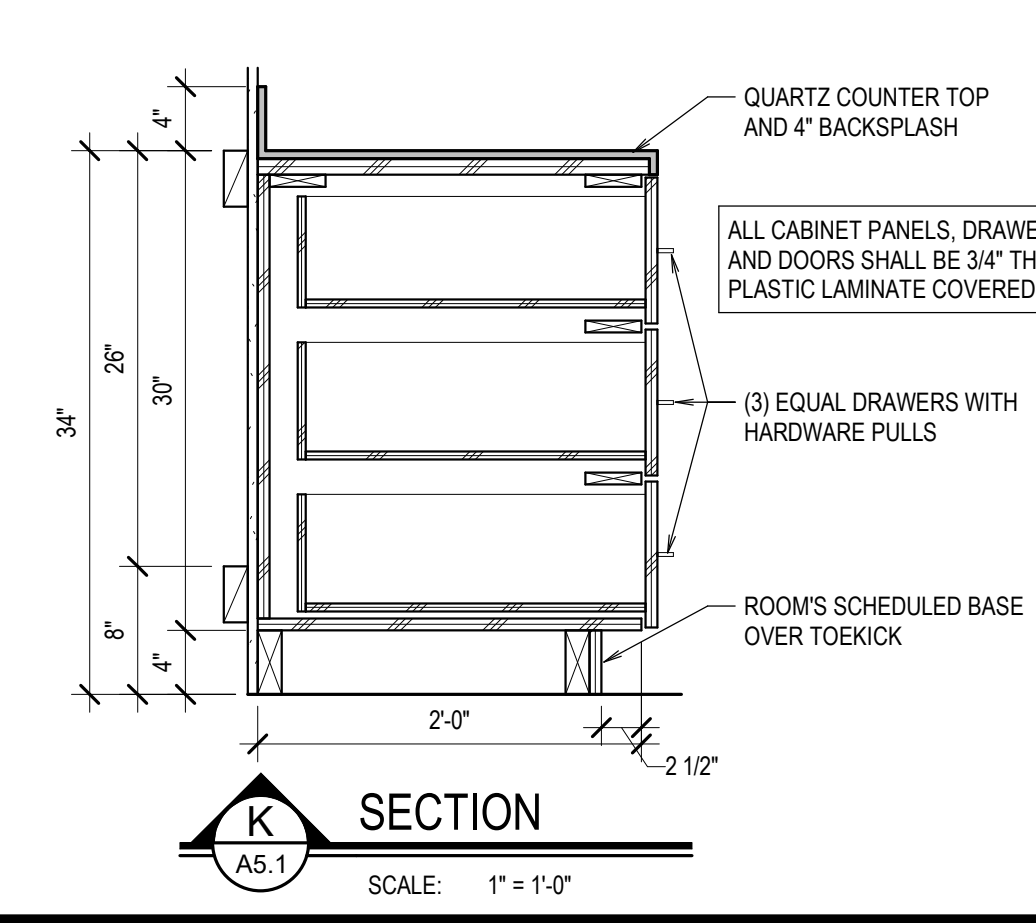
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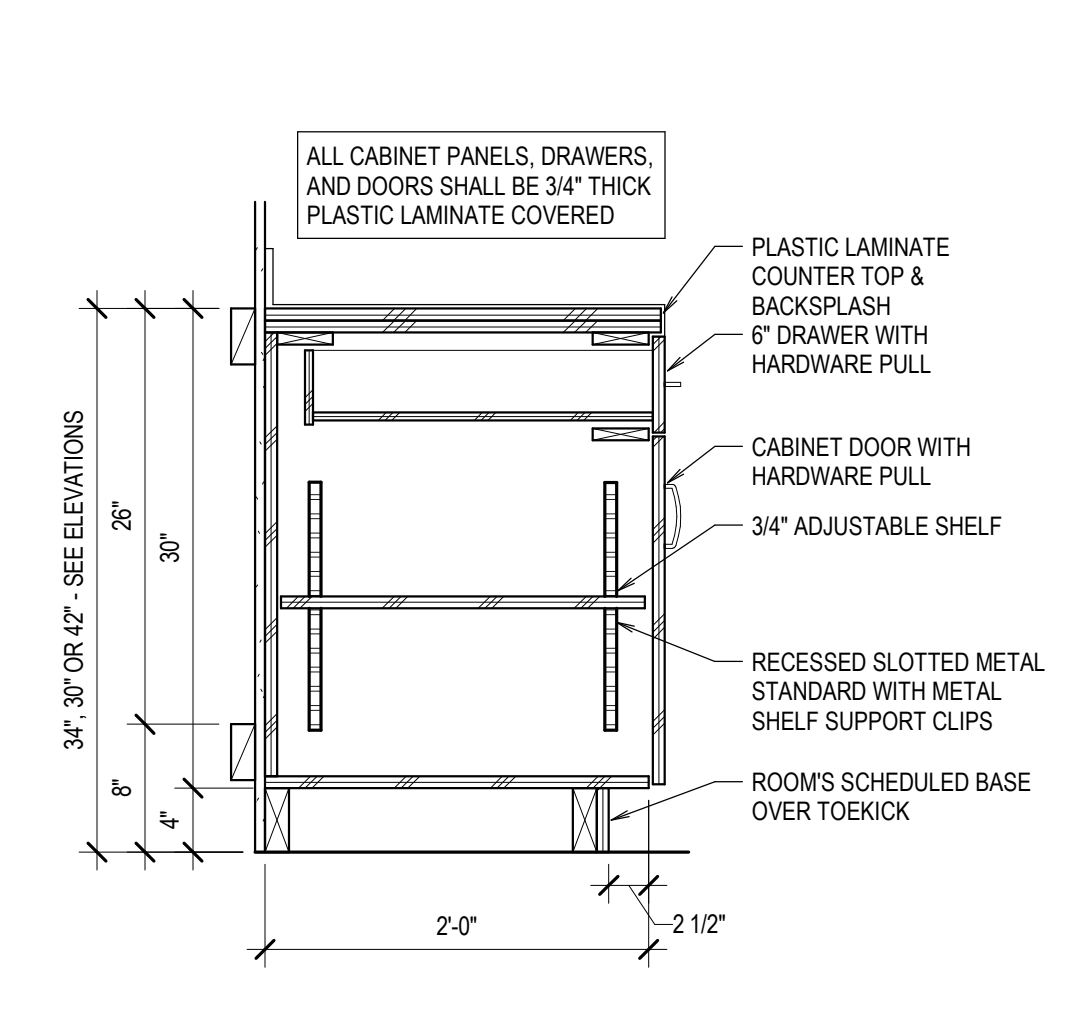
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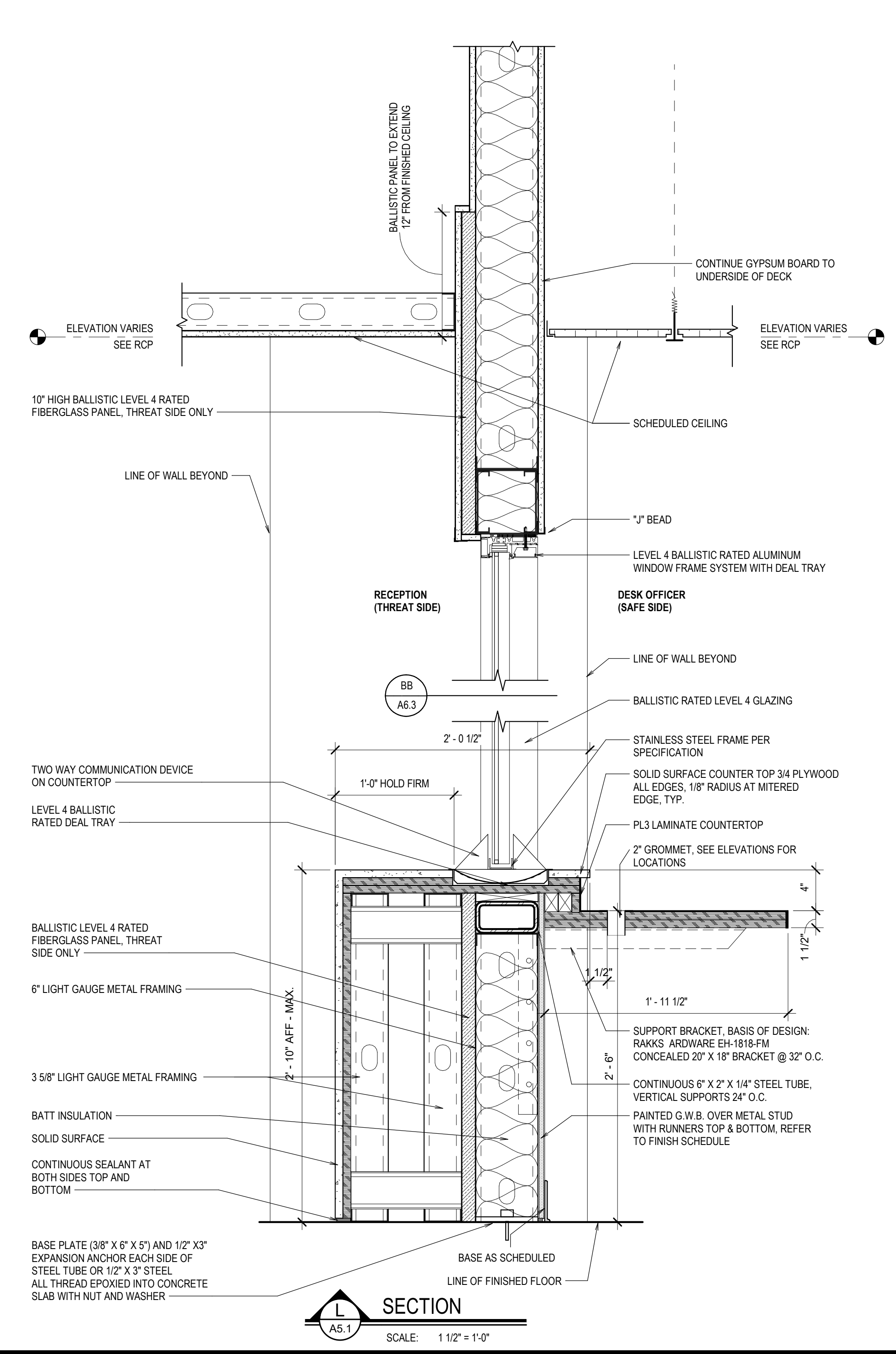
SECTION G
 A5.1 SCALE: 1" = 1'-0"



SECTION K
 A5.1 SCALE: 1" = 1'-0"



SECTION D
 A5.1 SCALE: 1" = 1'-0"



SECTION L
 A5.1 SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT
 10300204
 NICHOLAS HANSEN
 STATE OF IDAHO

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 (P) 208-522-8779 (F) 208-522-8785 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

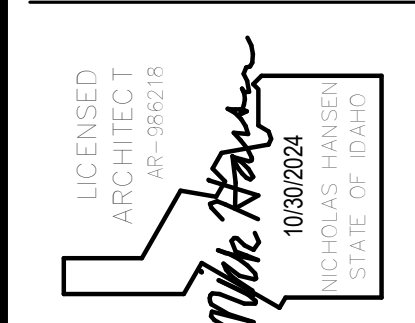
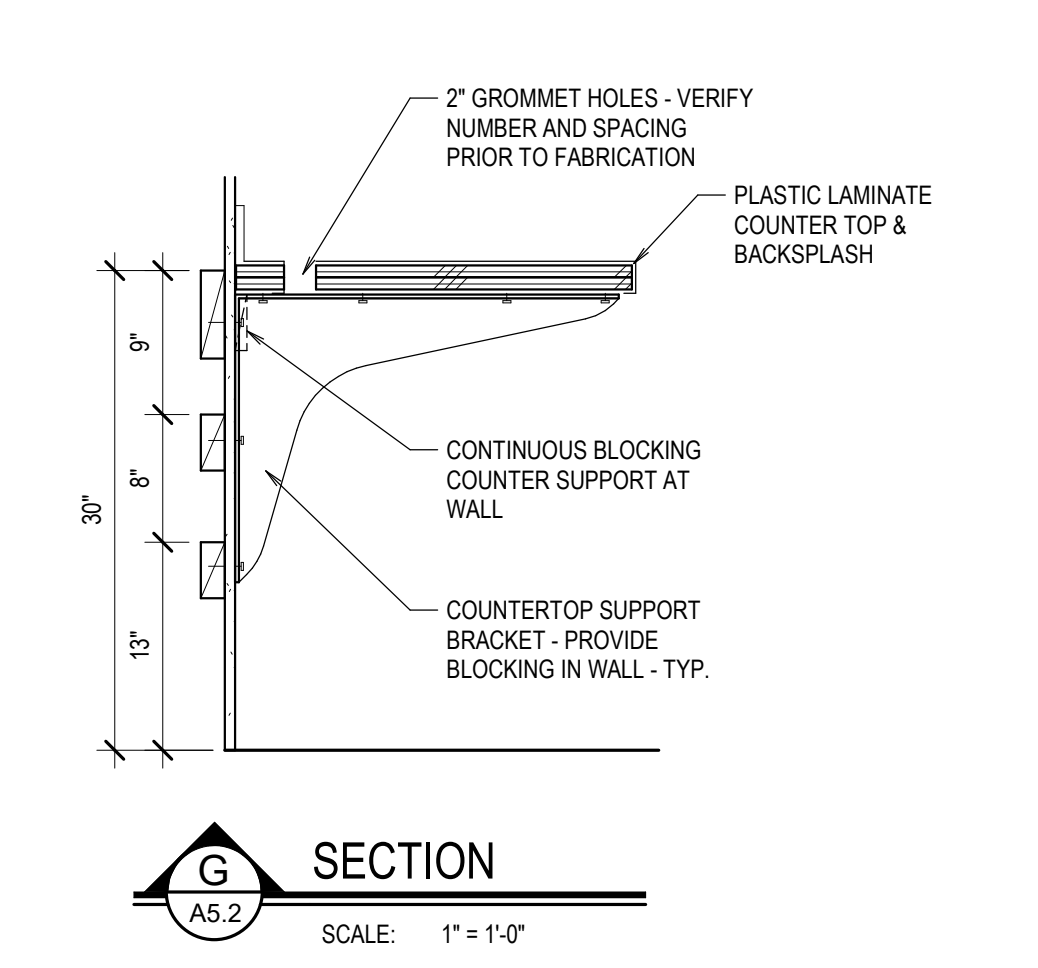
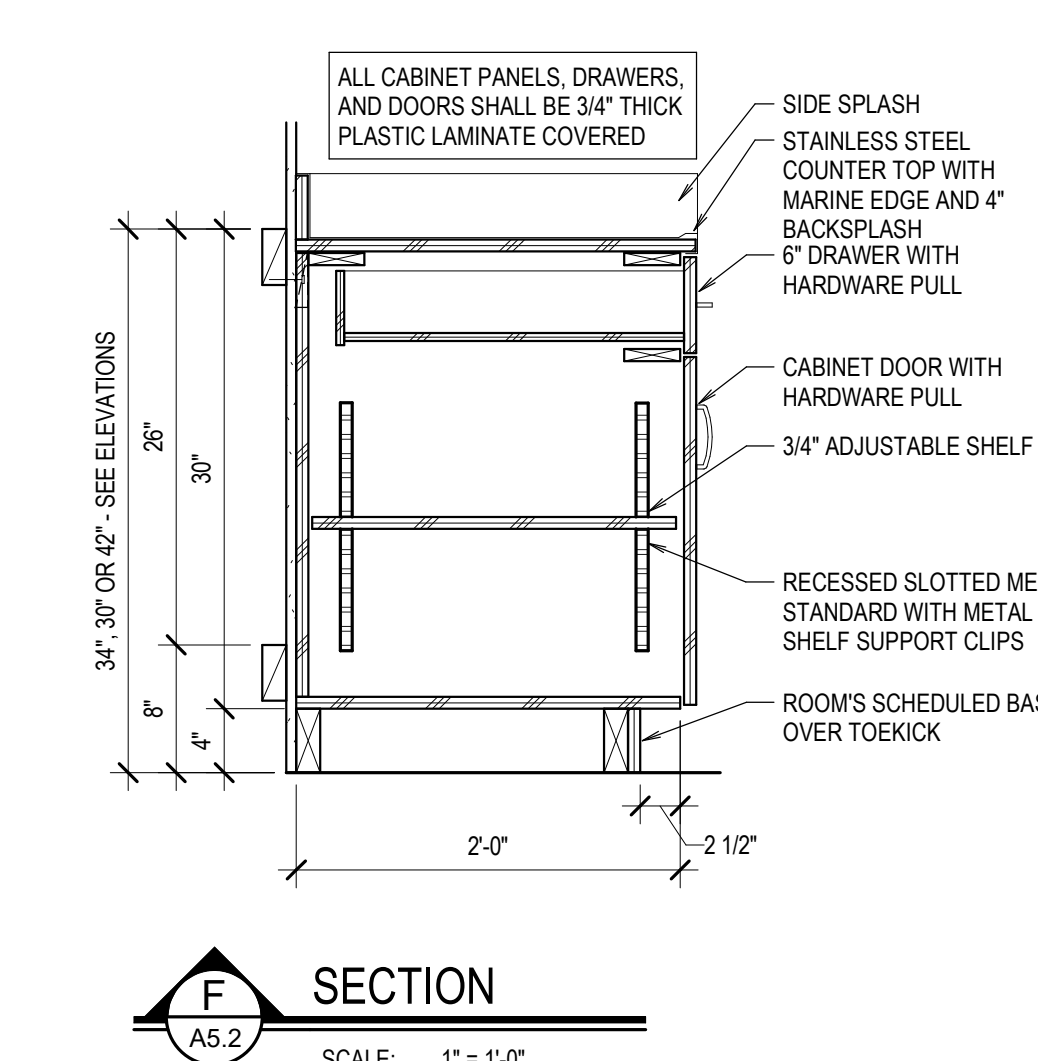
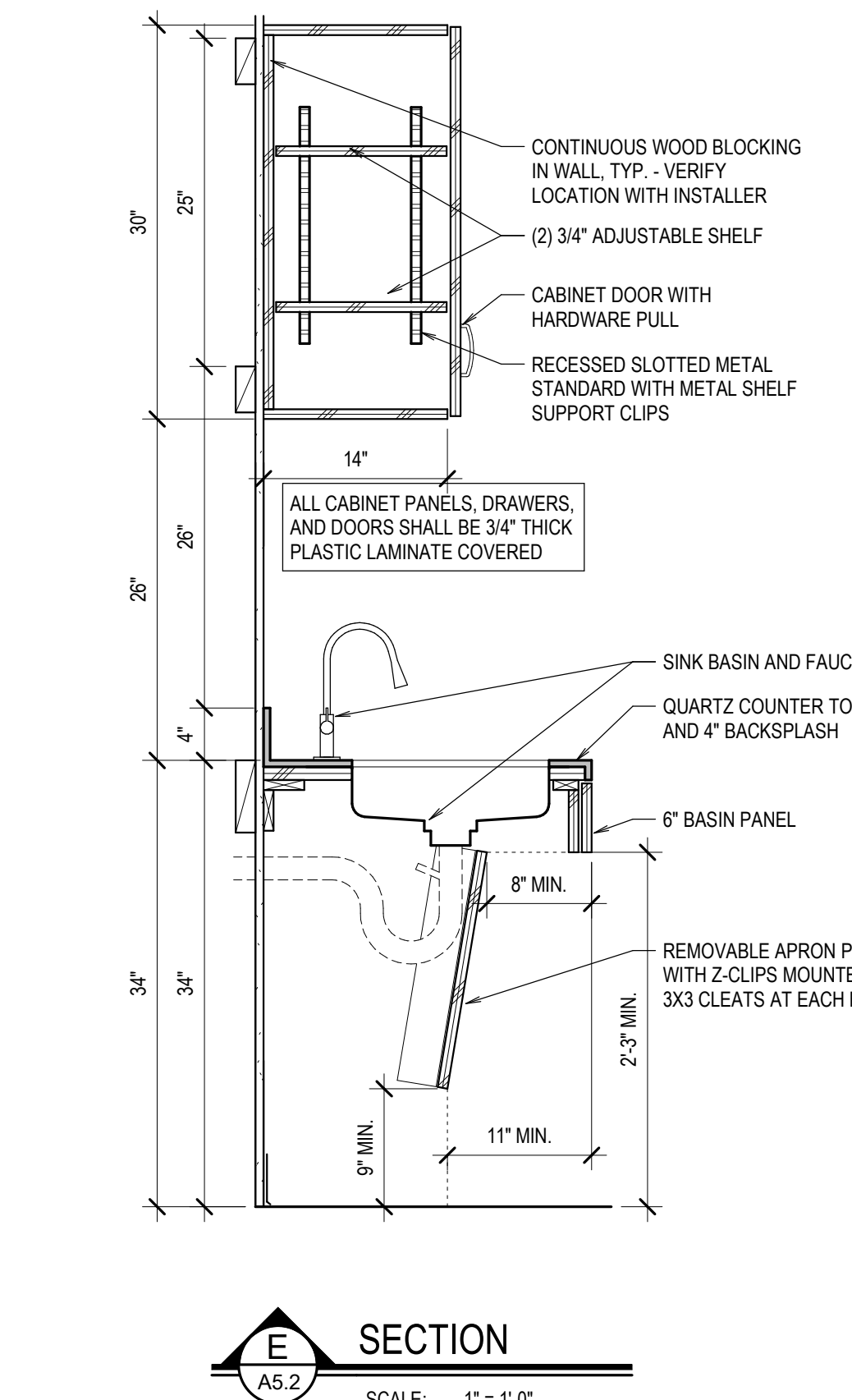
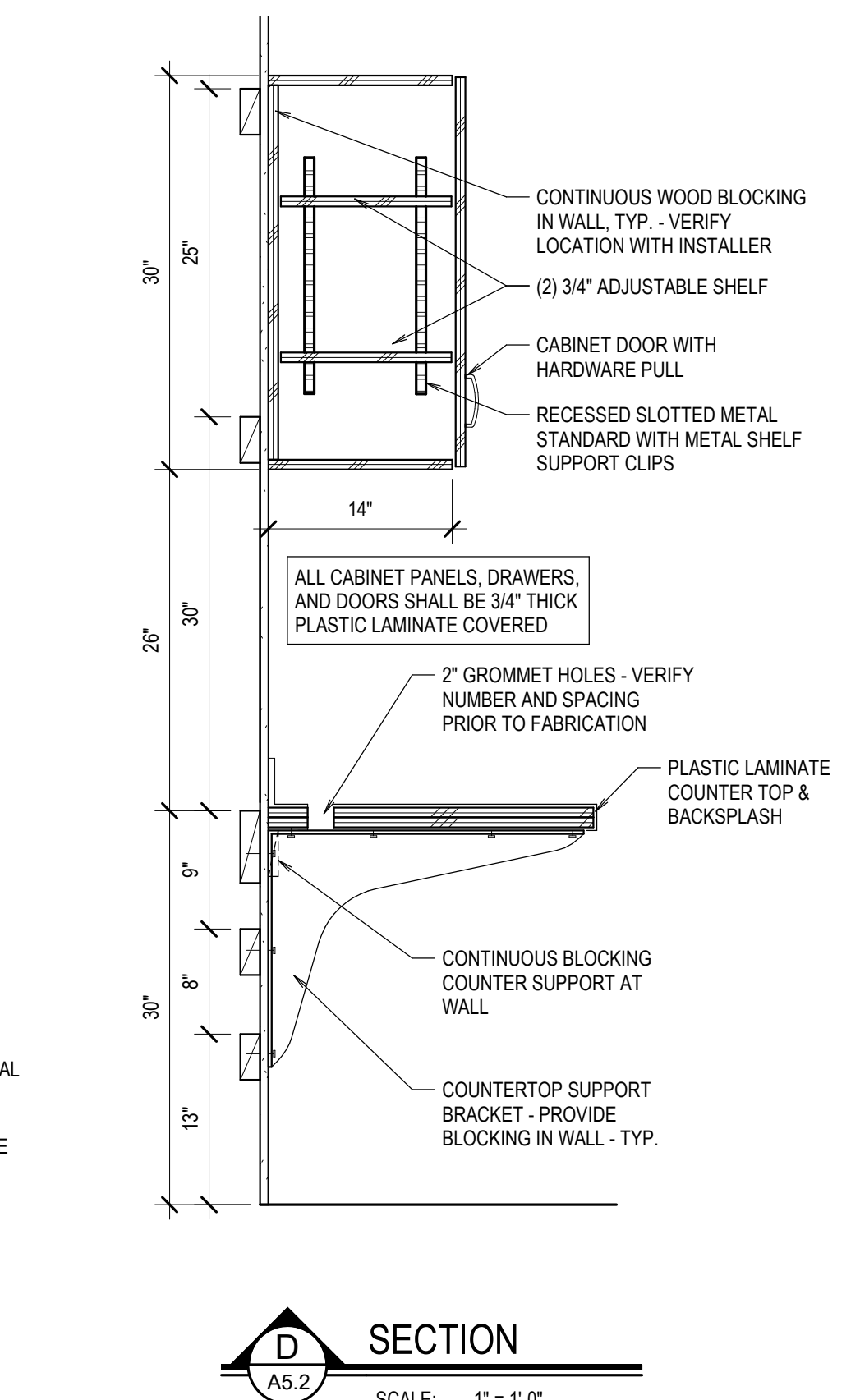
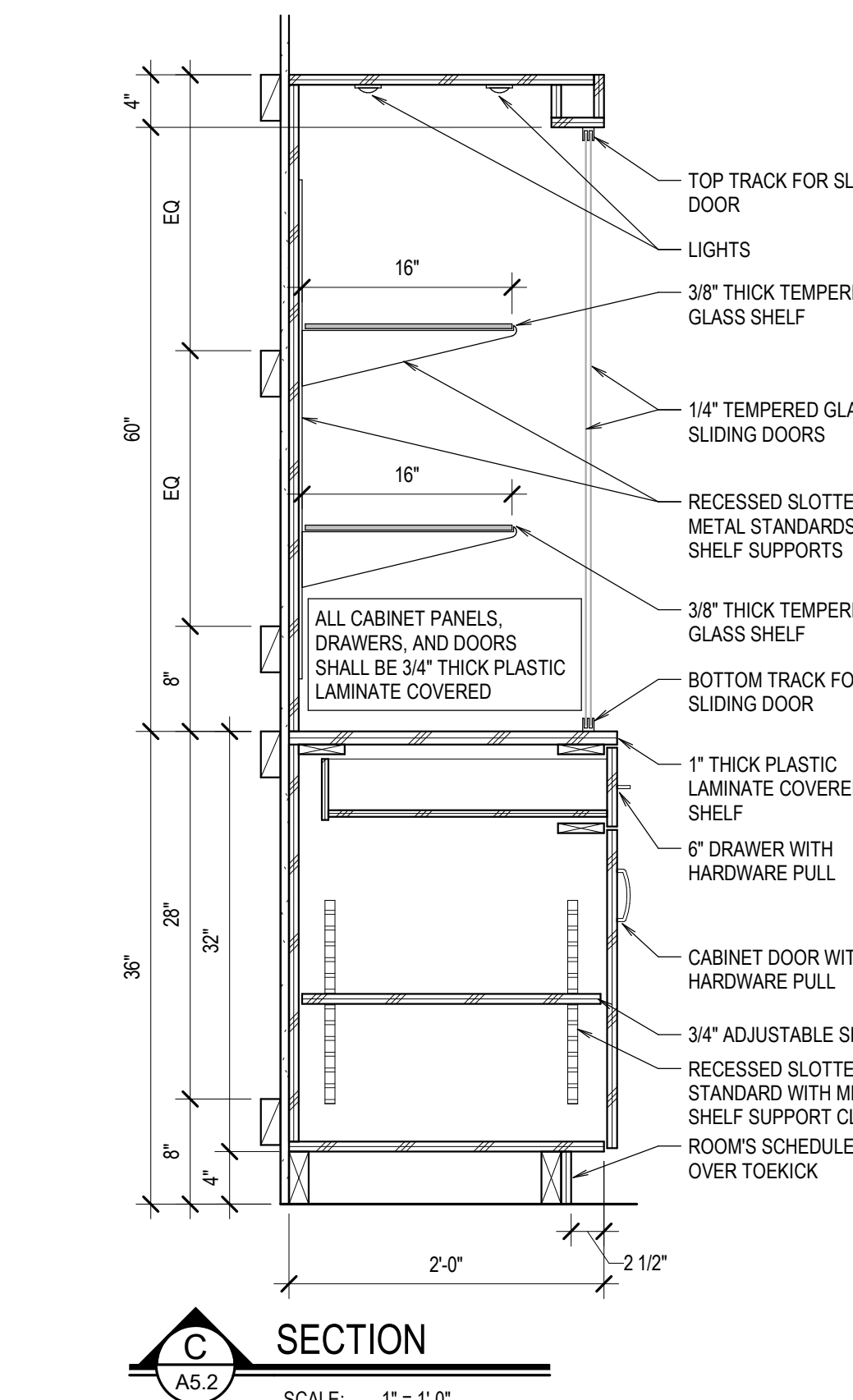
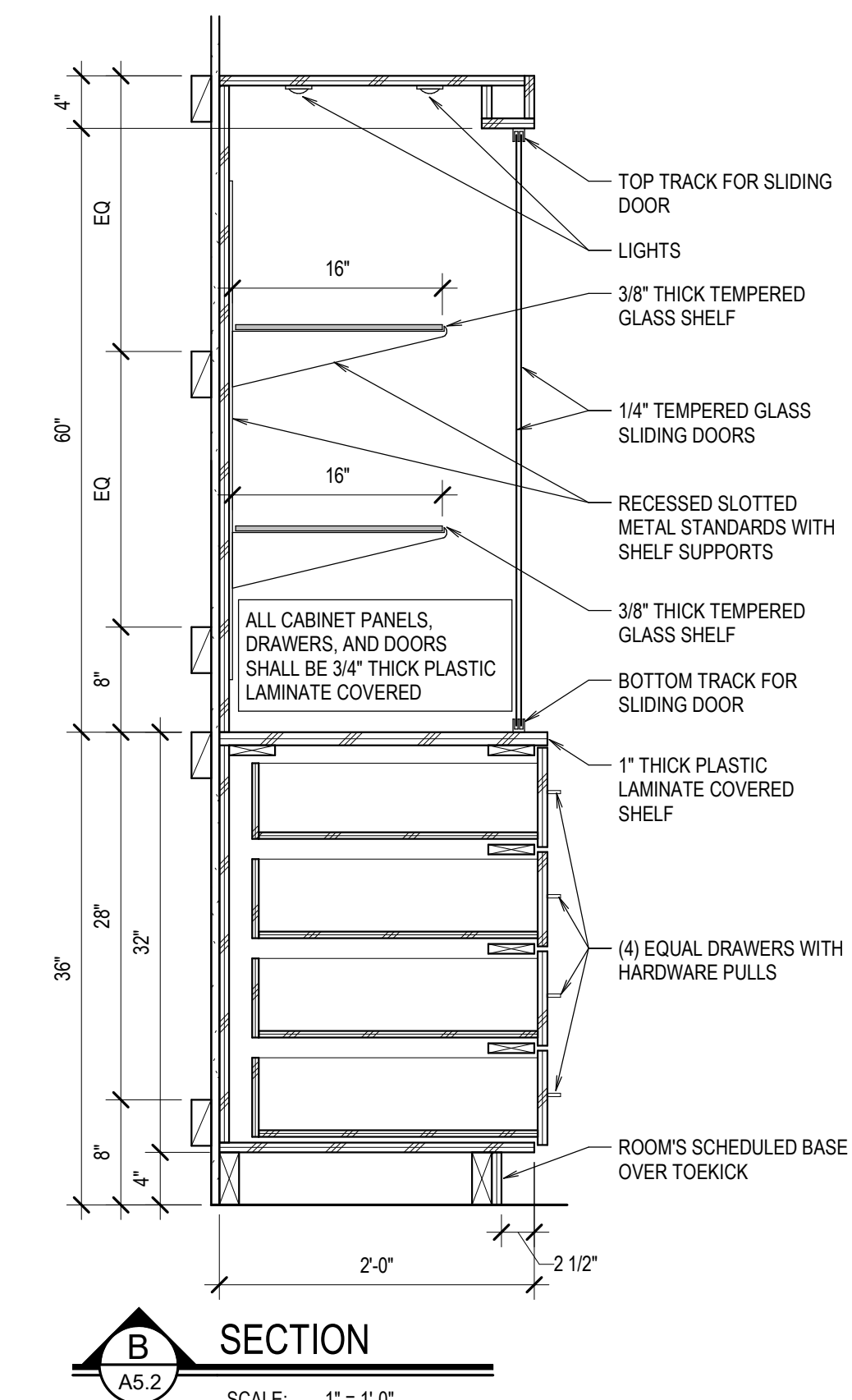
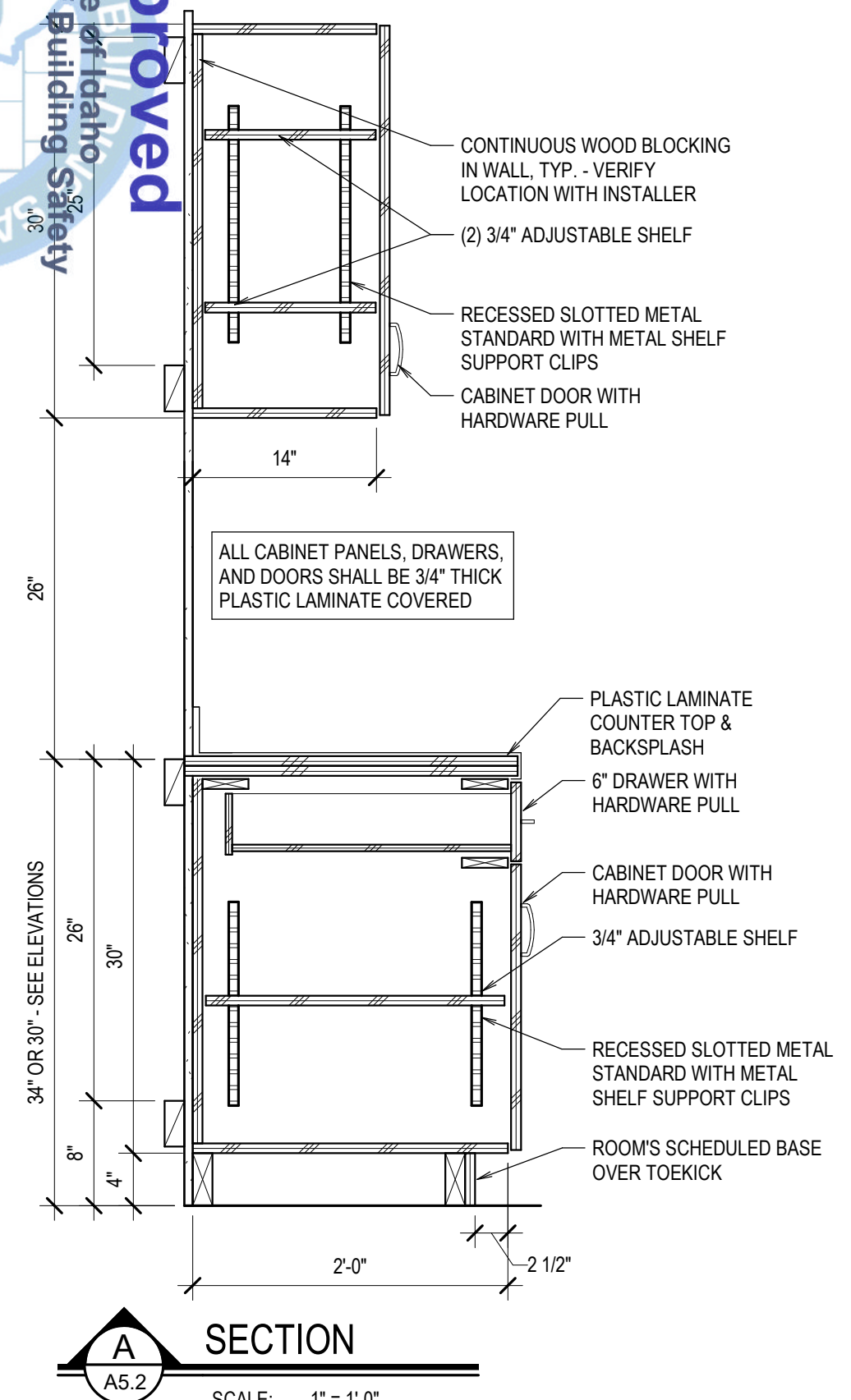
DRAWING NO.: **A5.1**

MILLWORK DETAILS

Approved
 State of Idaho
 Division of Building Safety

These Documents are approved
 in accordance with the
 provisions of the
 Idaho Building Code
 and rules applicable to this project.

2024-10-30 4:37:19 PM Autodesk Docs://DPW/22511 ISP District 6 HO/DPW 22511 ISP 1155 FOOTE DRIVE Existing Building.rvt



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: MILLWORK DETAILS

REVISIONS

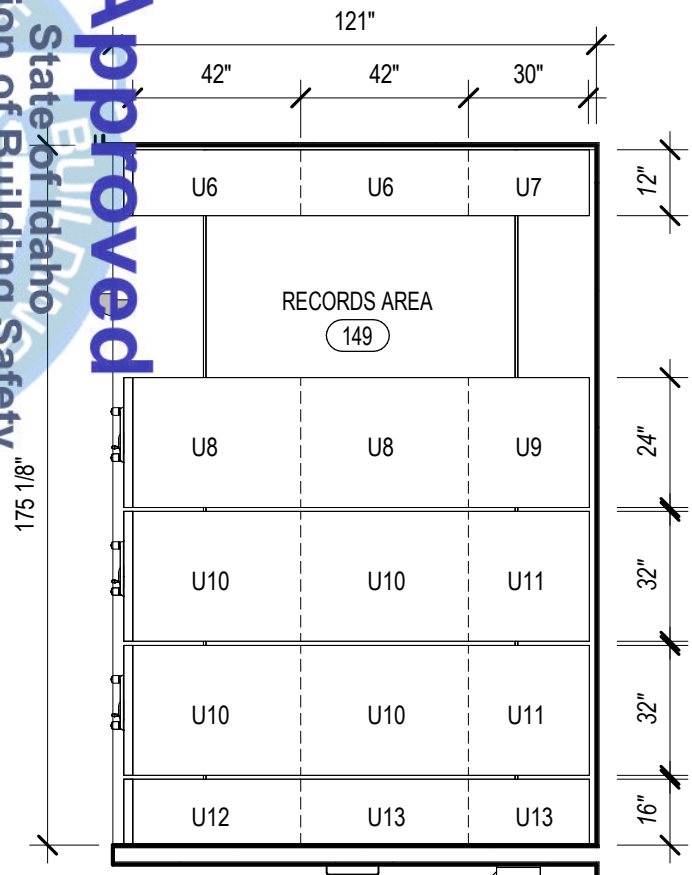
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PROJECT NO.
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NRH/BTH/JNH
 CHECKED BY:
 NRH

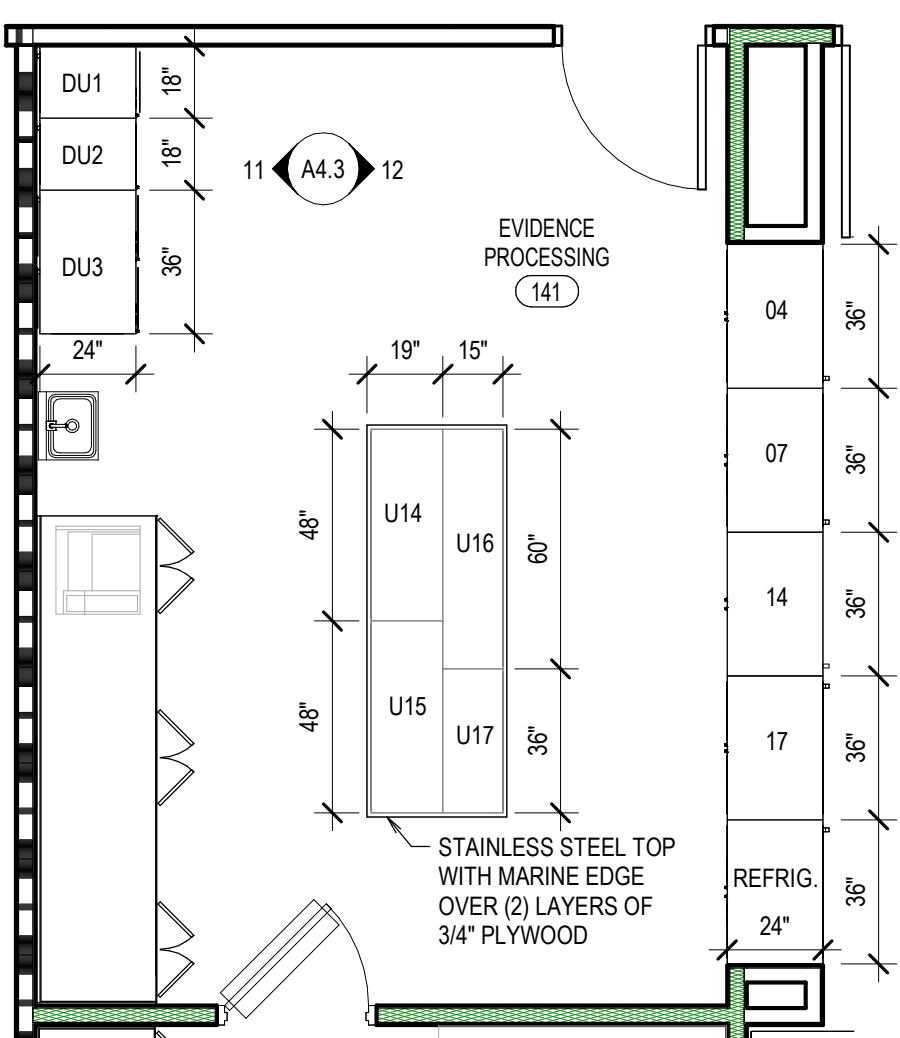
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A5.2

These Documents are approved in contribution to the compliance with the Division of Building Safety. Approved State of Idaho Division of Building Safety. 175.815 SUI

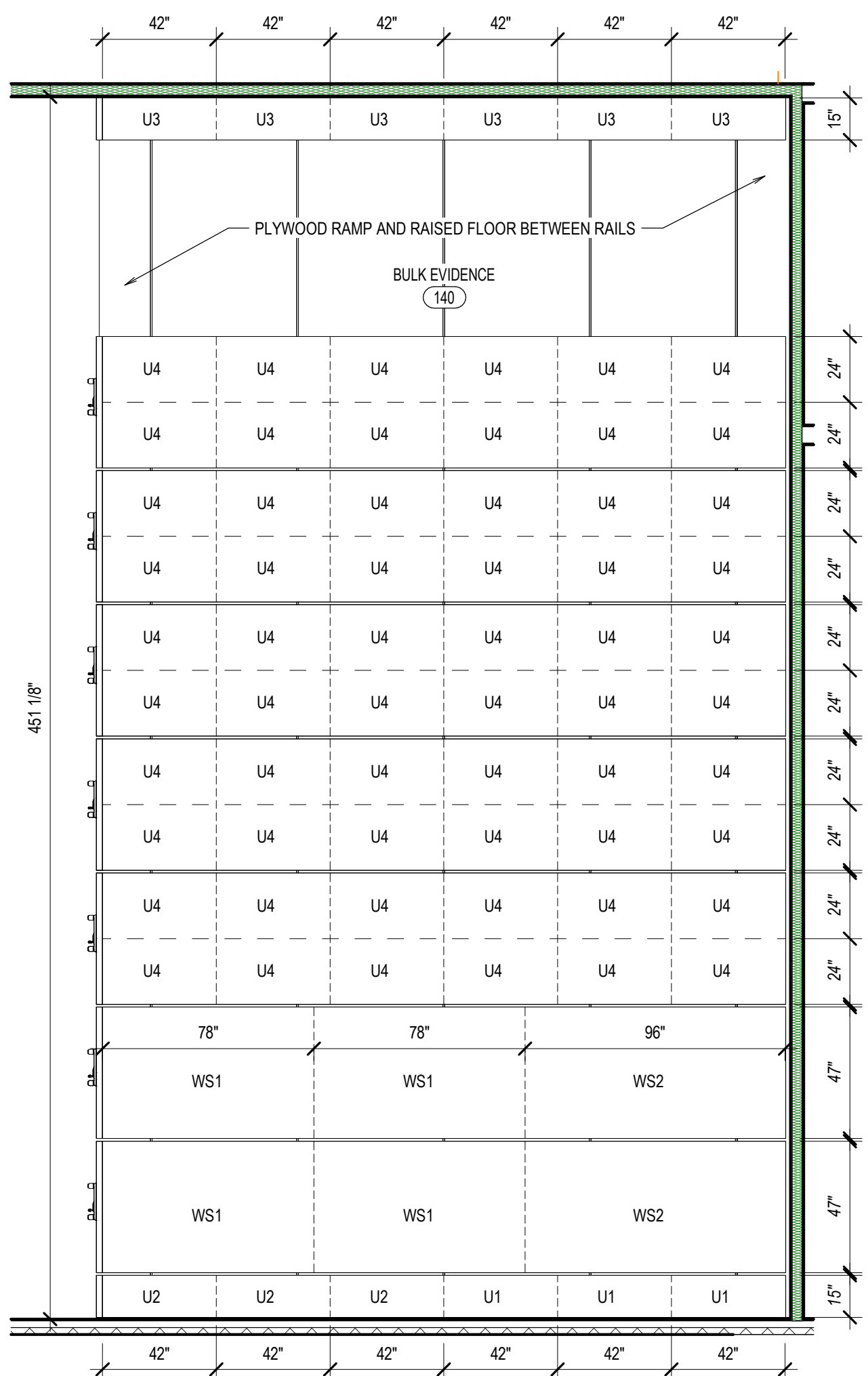
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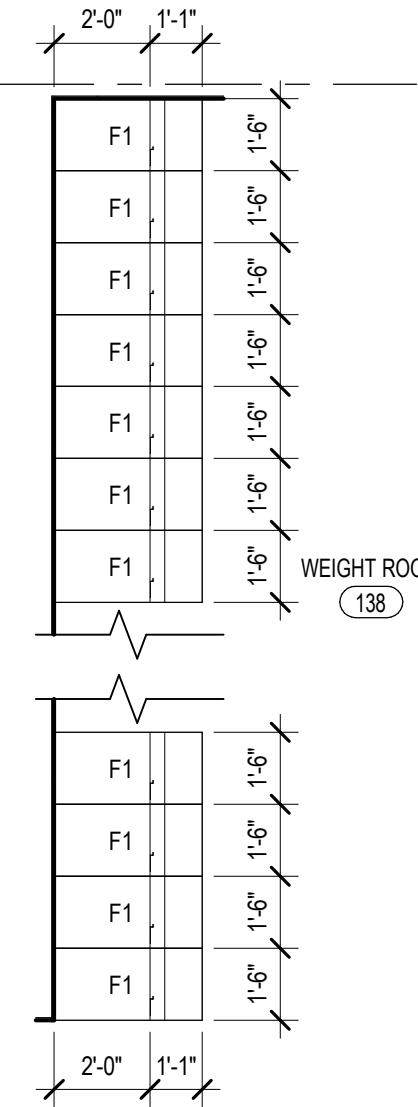
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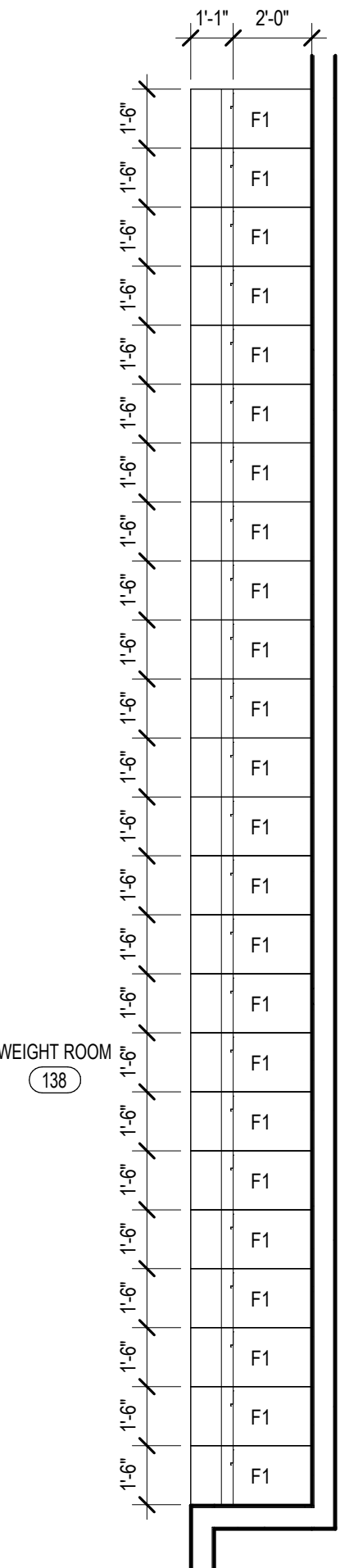
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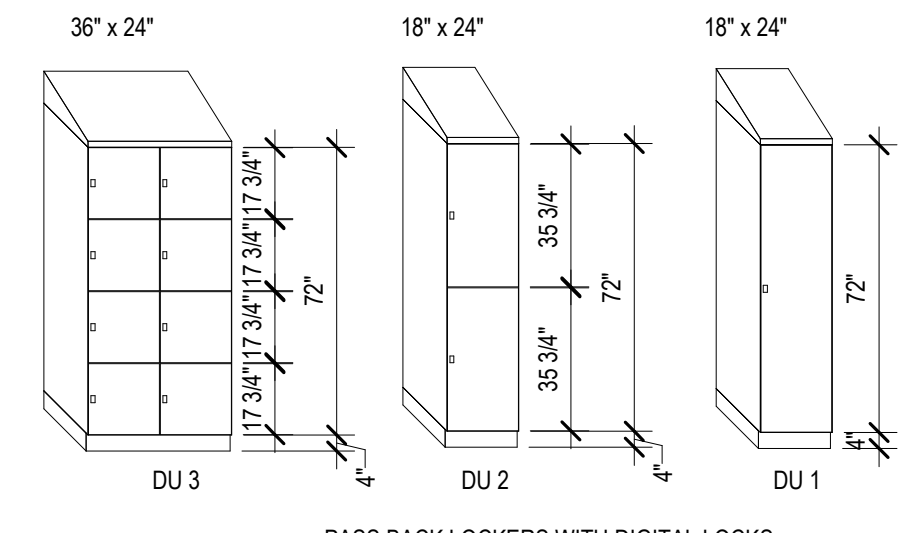
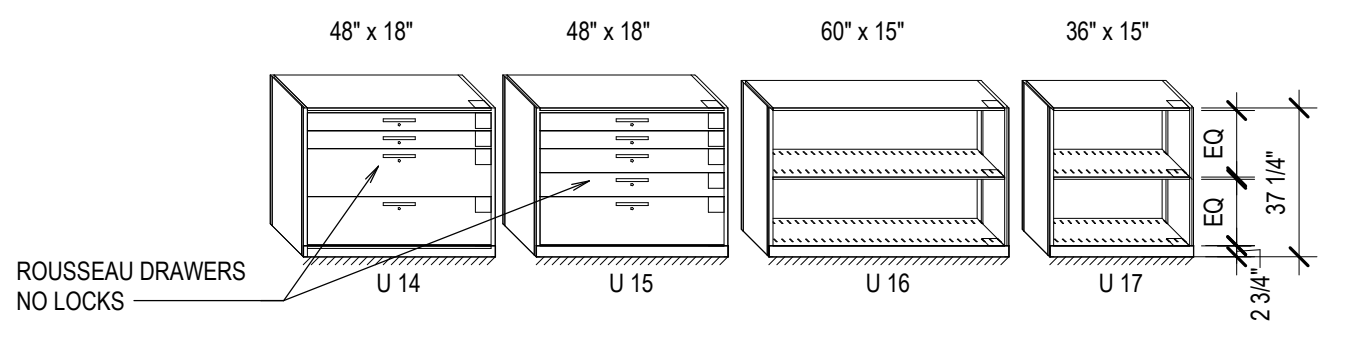
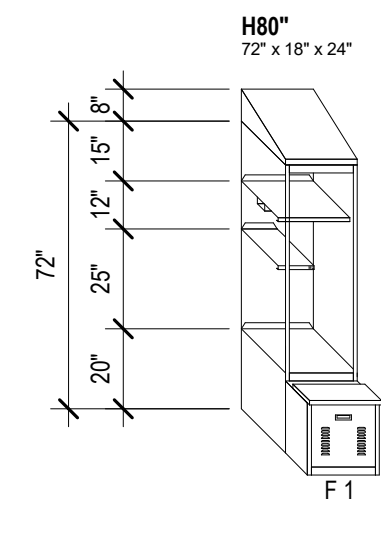
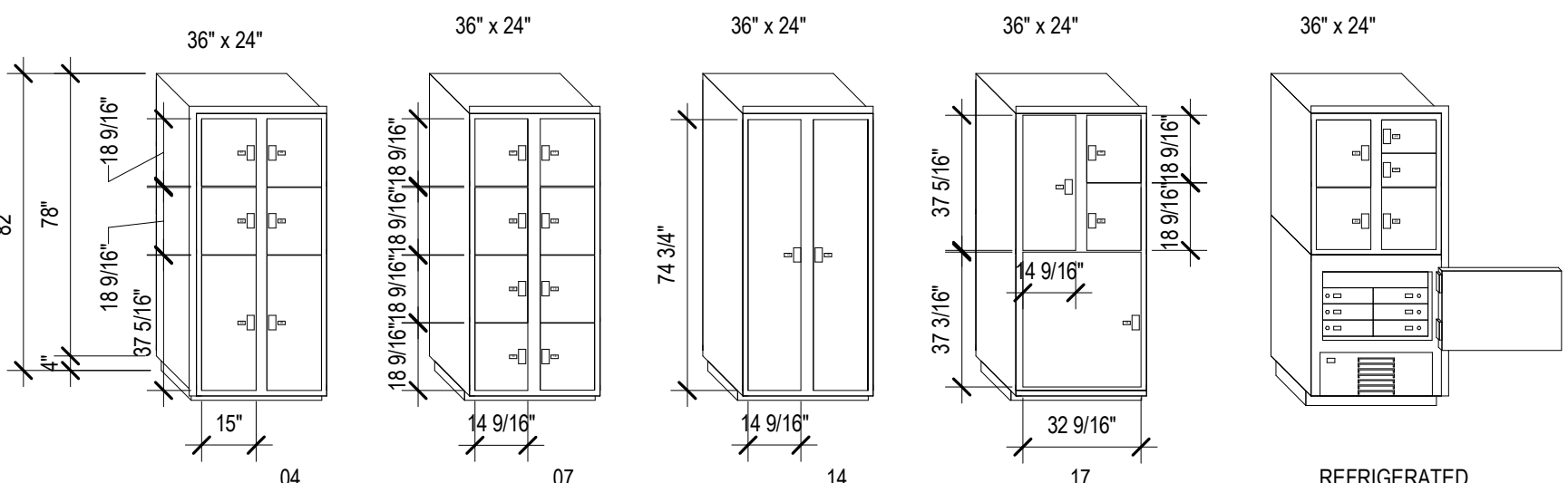
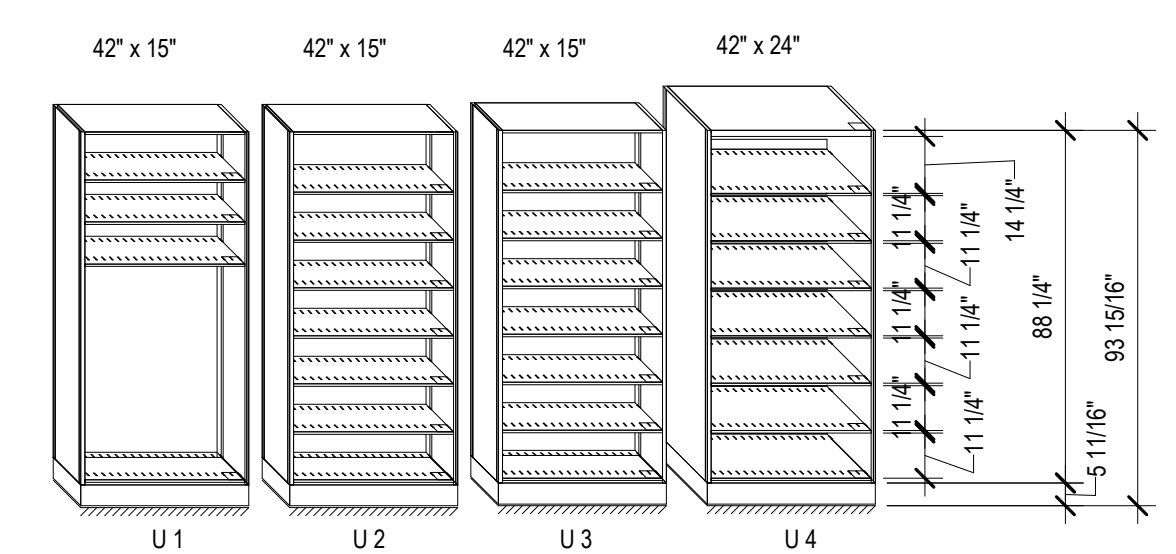
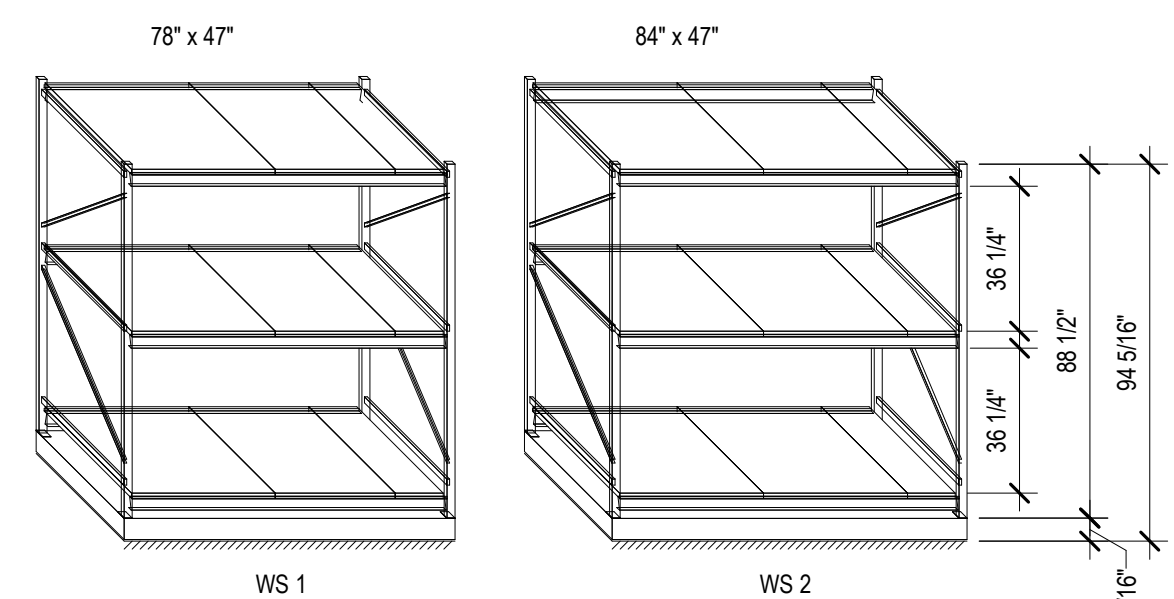
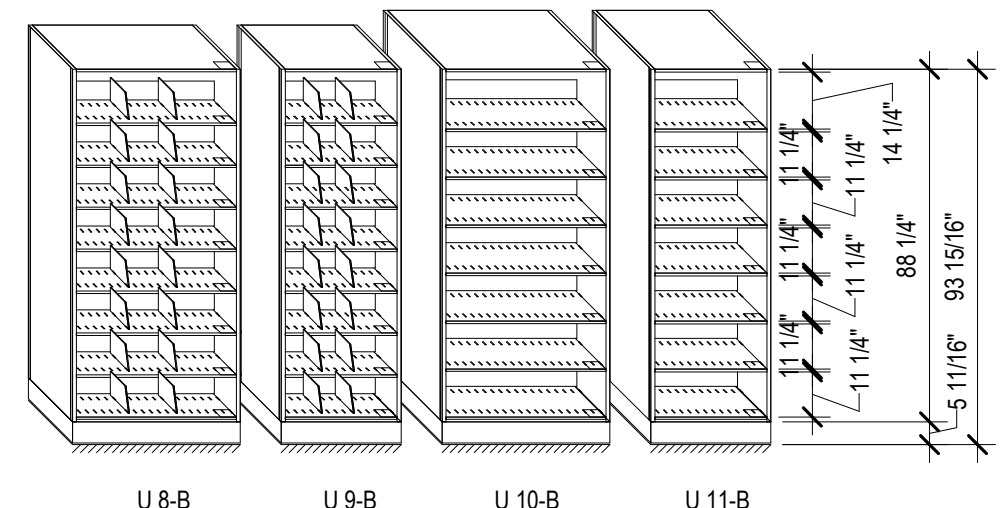
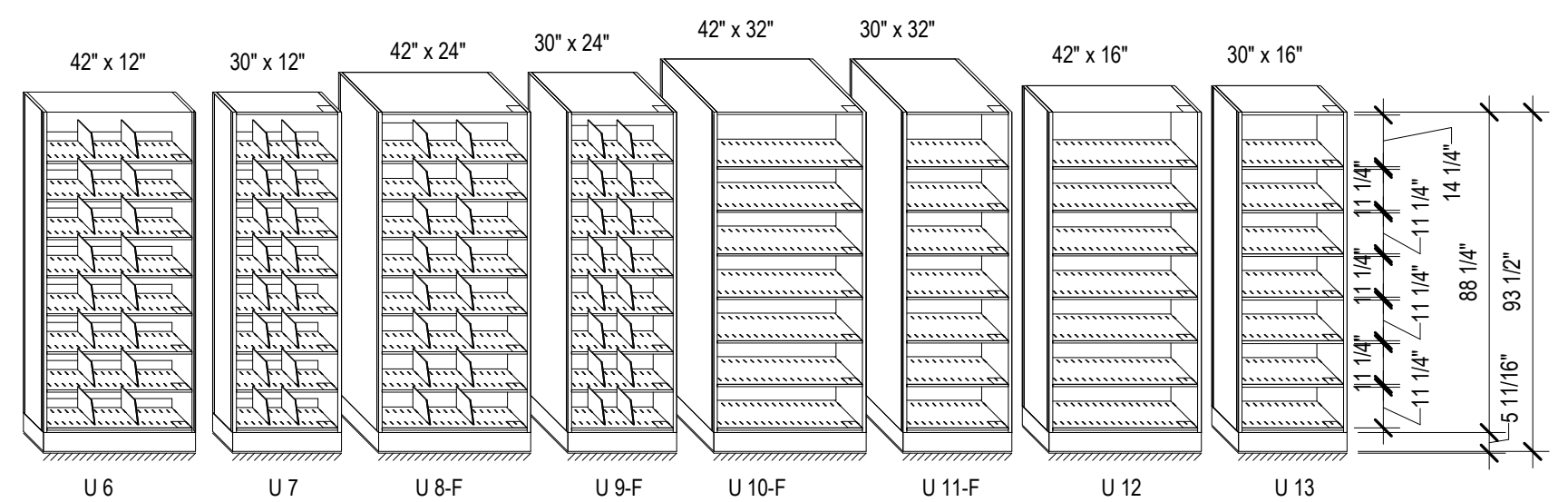
3 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



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



5 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402
FIX EQUIPMENT SCHEDULE

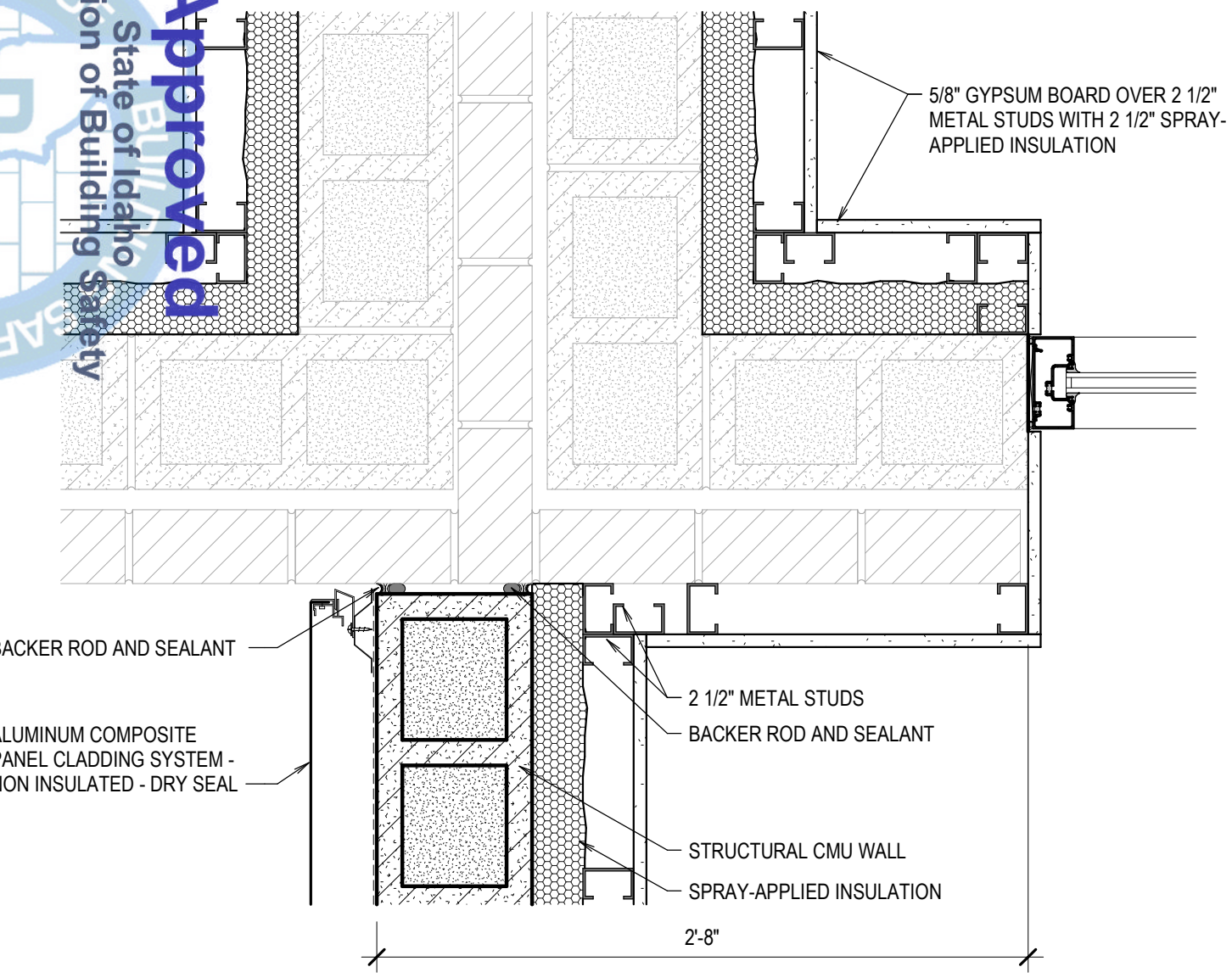
PROJECT NO. 21034
DATE: OCTOBER 2024
DRAWN BY: NRH/BTH/JNH
CHECKED BY: NRH

REVISIONS

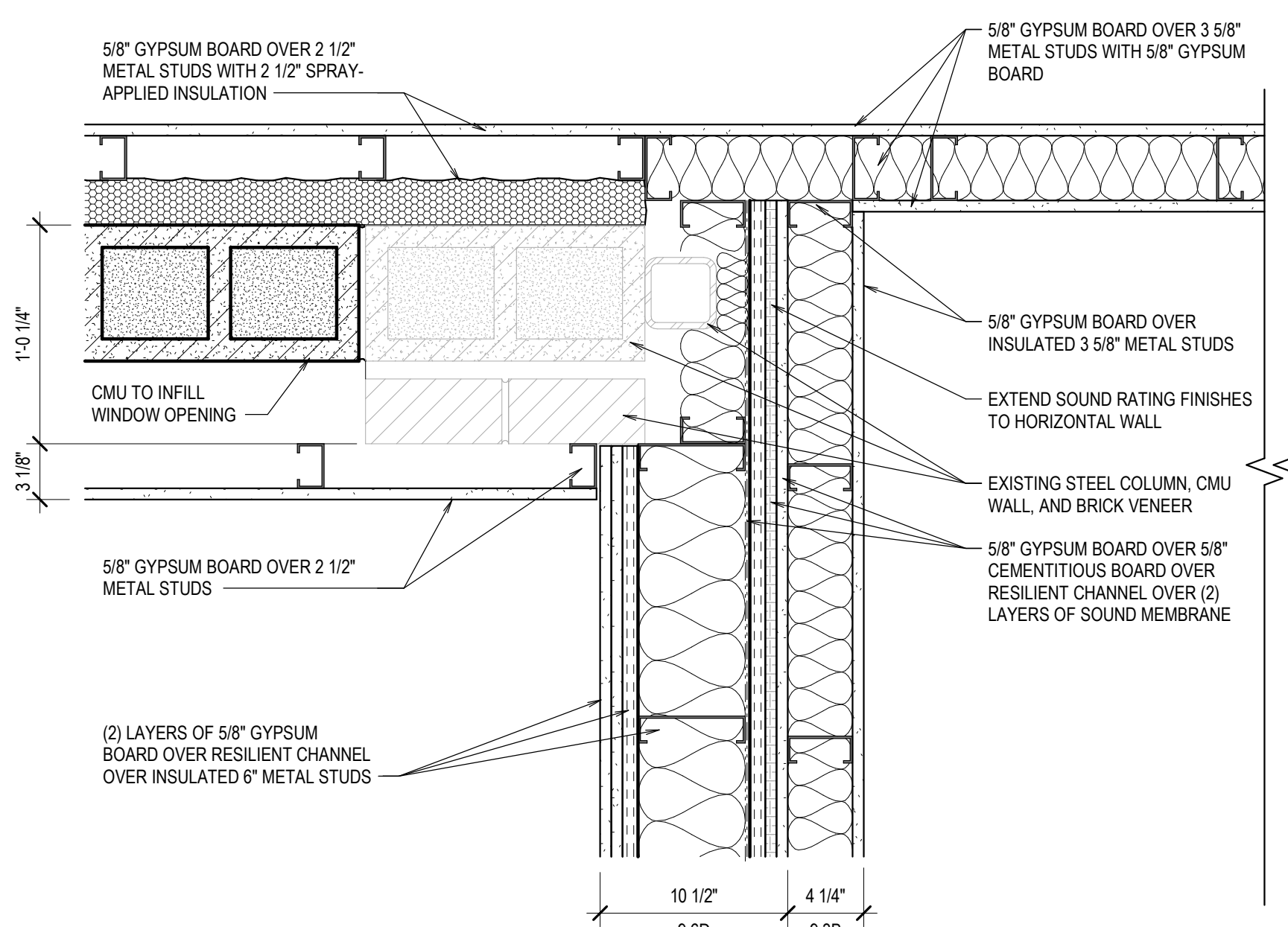
DRAWING NO.: **A5.3**

Division of Building Safety
 State of Idaho
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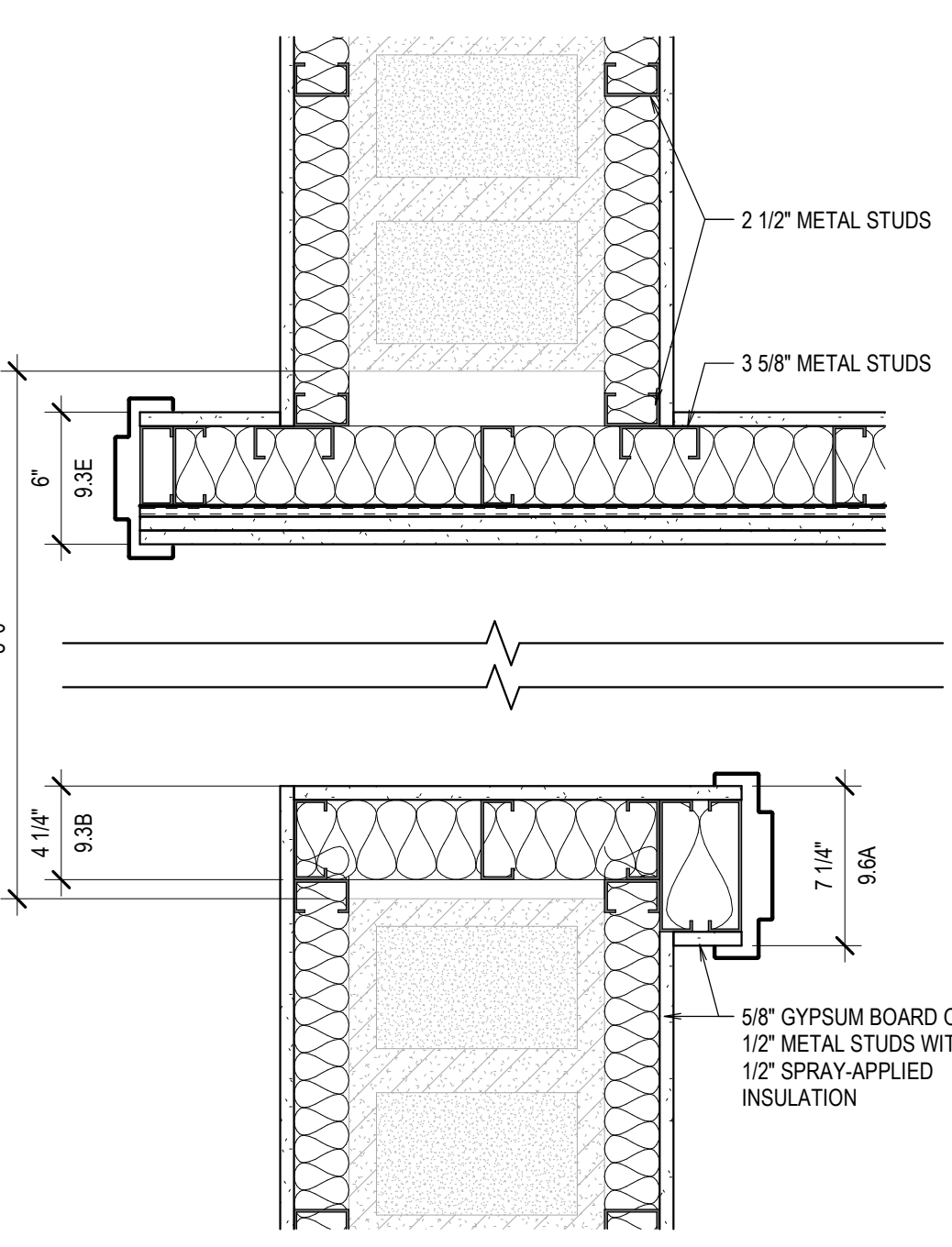
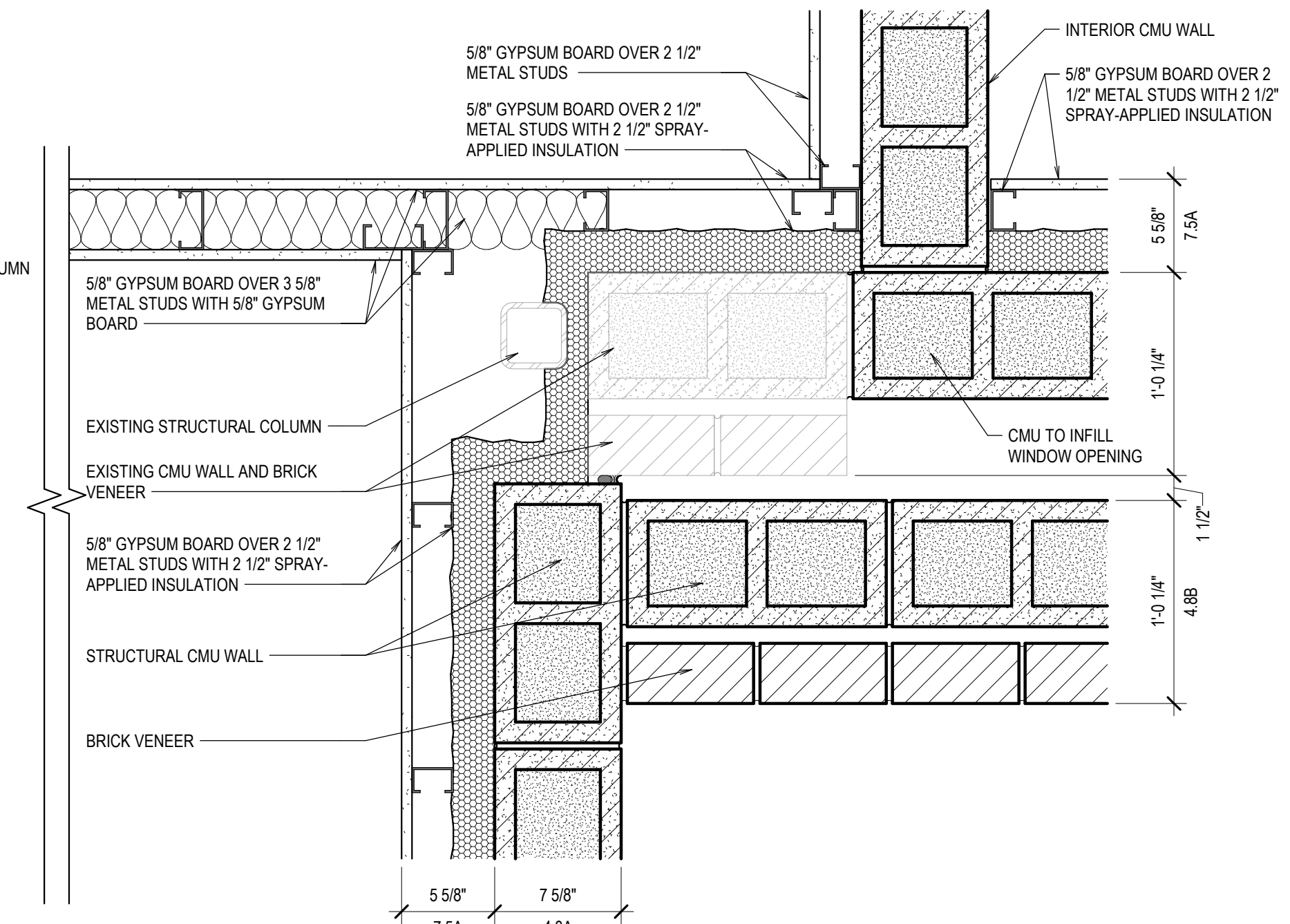
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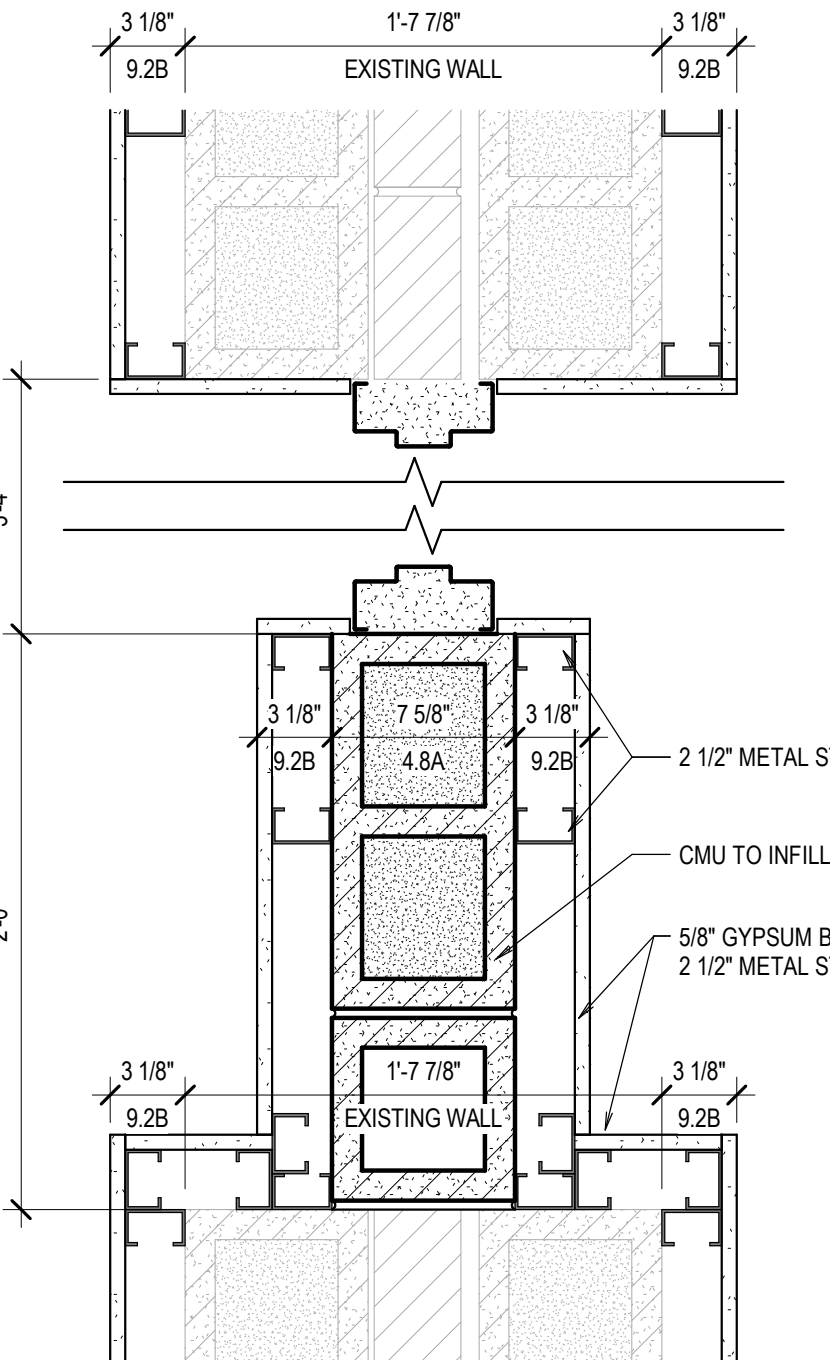
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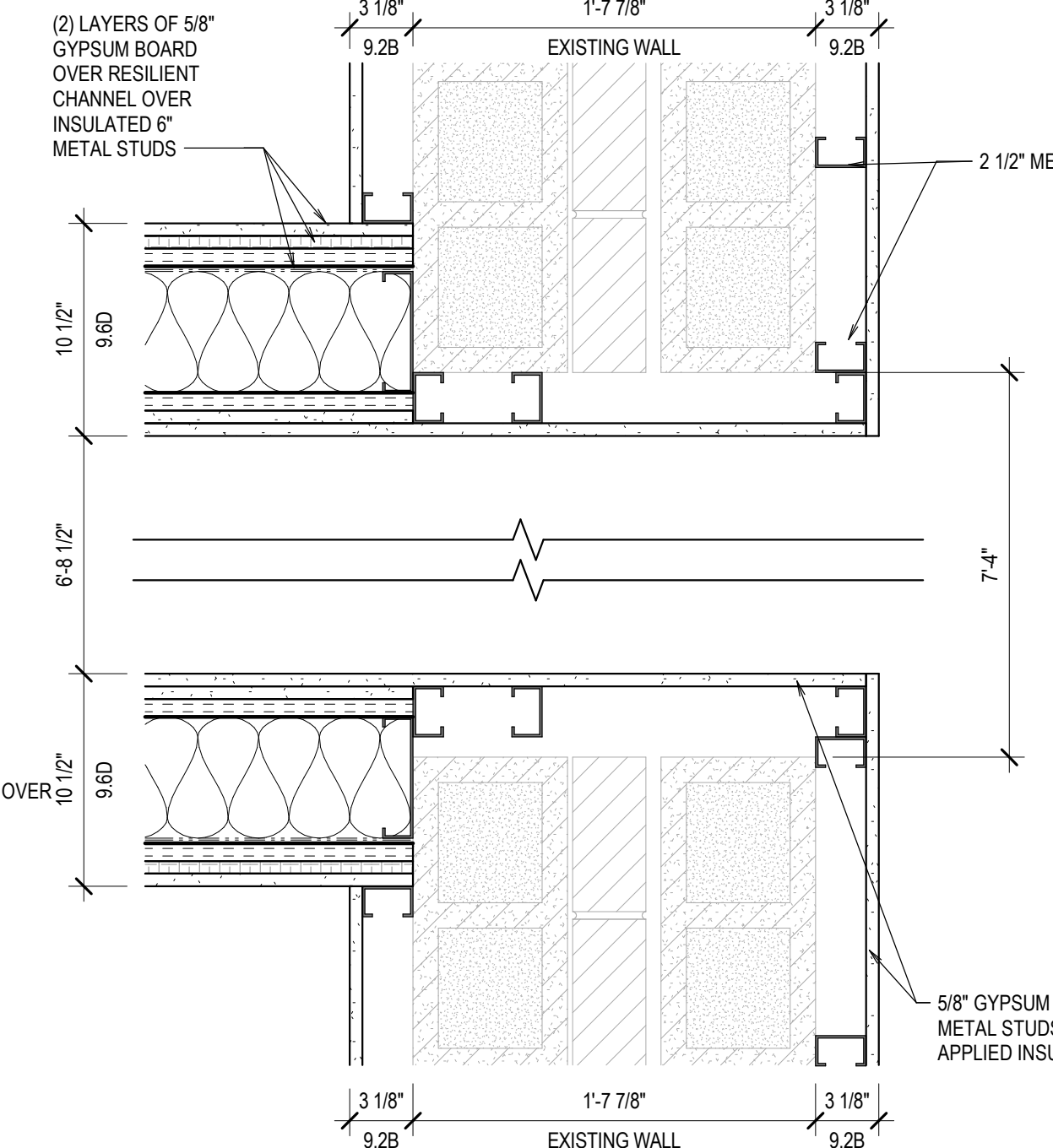
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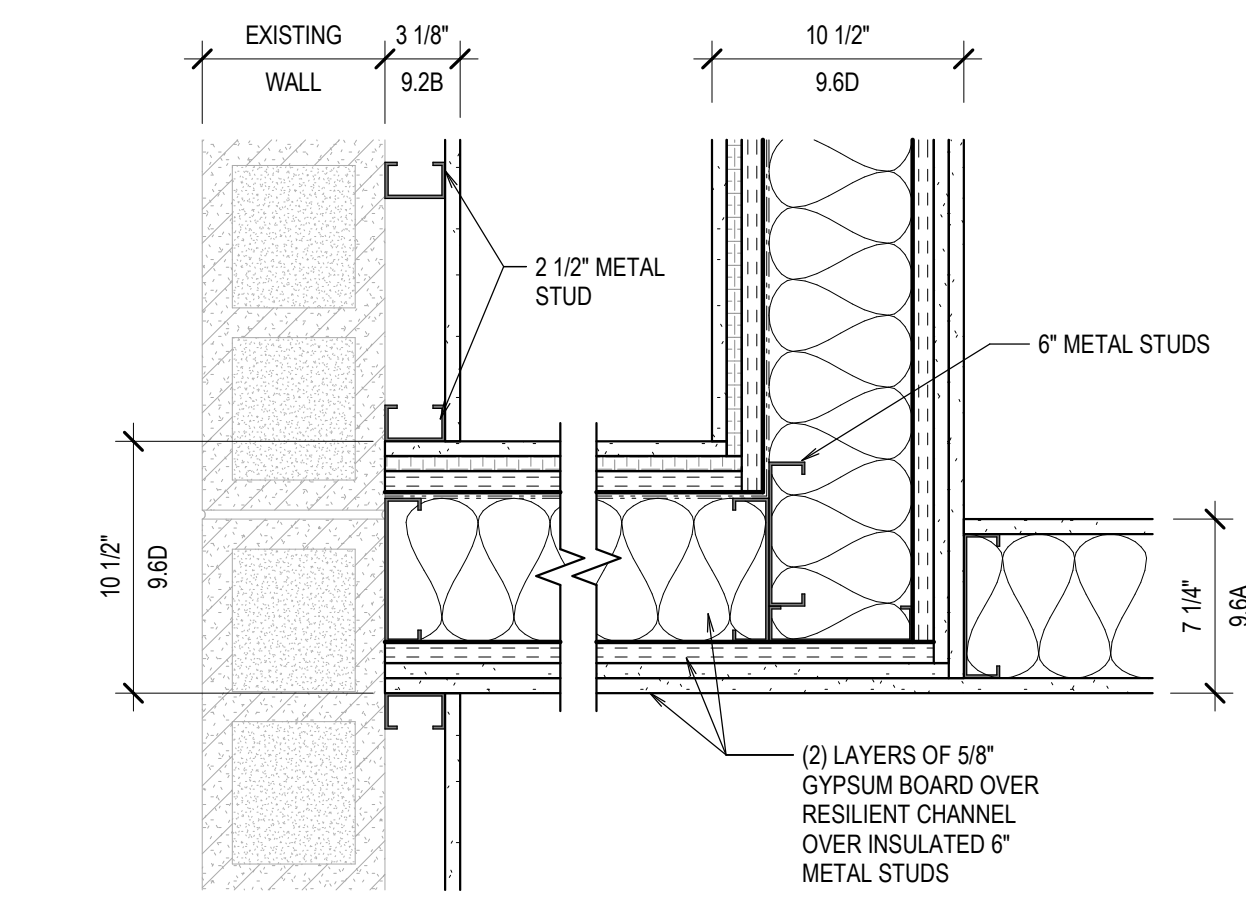
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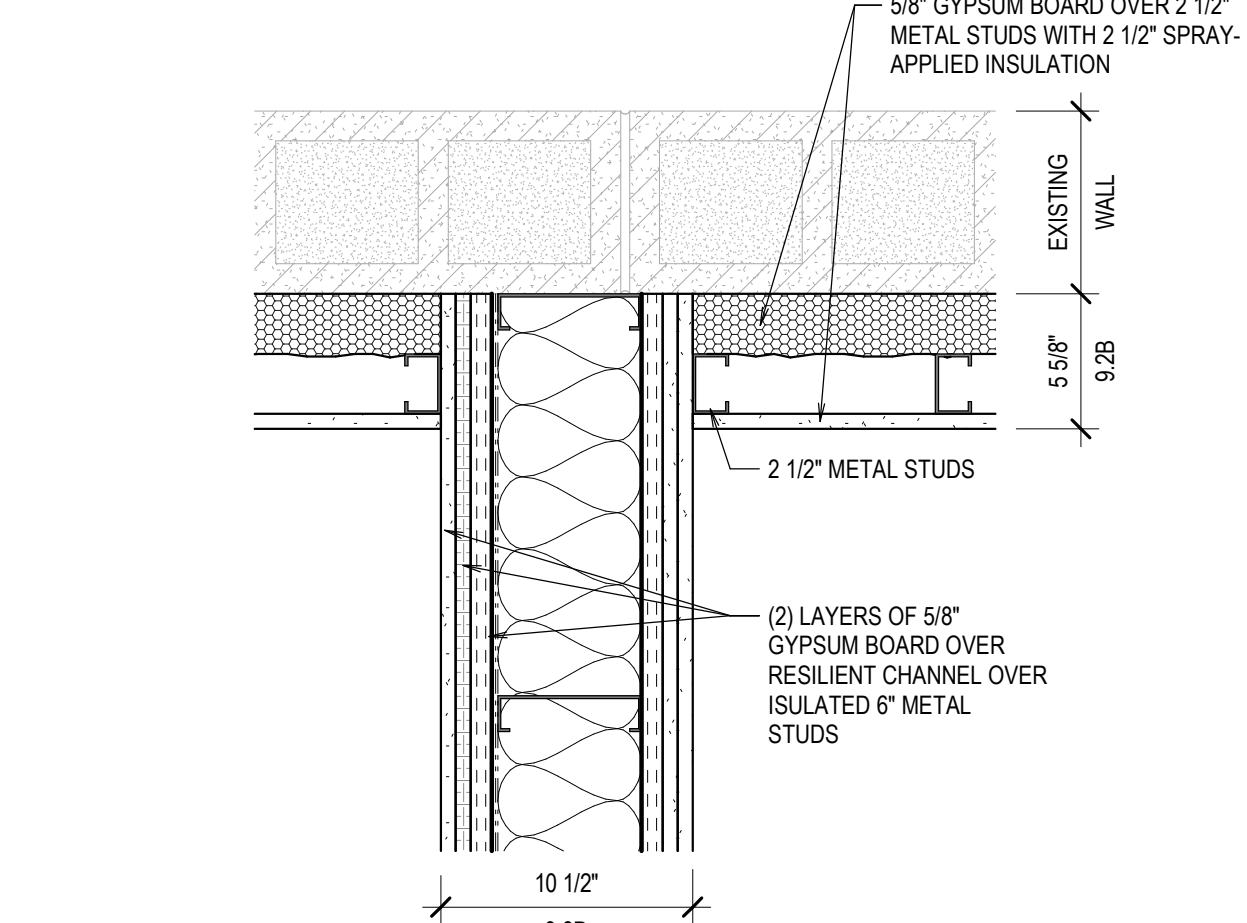
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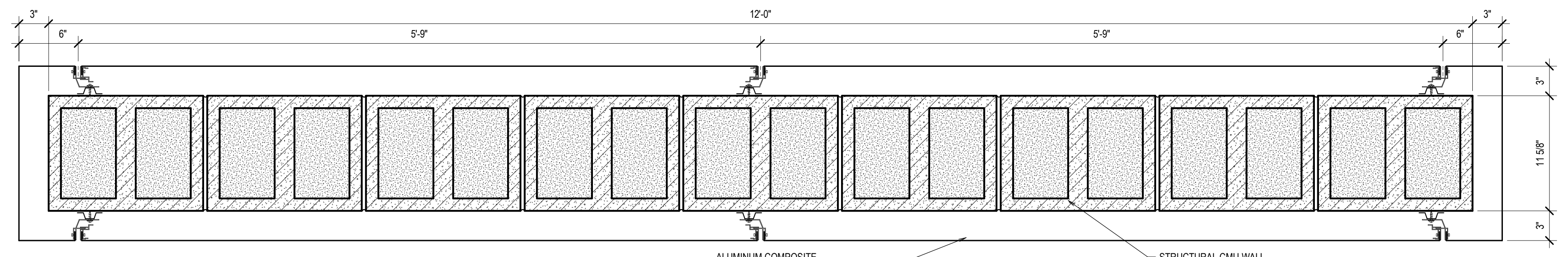
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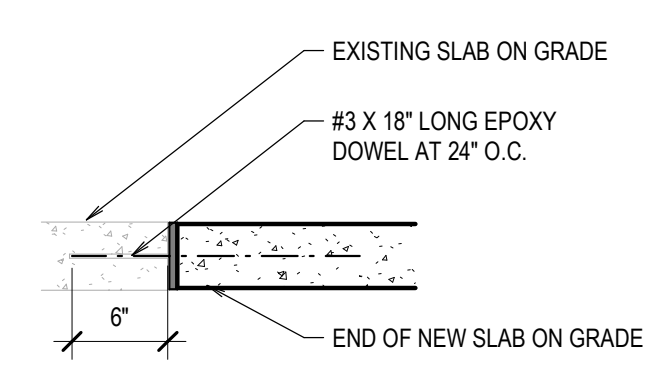
6 ENLARGED PLAN
 SCALE: 1 1/2" = 1'-0"



7 ENLARGED PLAN
 SCALE: 1 1/2" = 1'-0"



8 ENLARGED PLAN
 SCALE: 1 1/2" = 1'-0"



9 DETAIL
 SCALE: 1" = 1'-0"

LICENSED ARCHITECT
 MICHAEL HANSEN
 10302024
 STATE OF IDAHO

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: FLOOR PLAN DETAILS

NO.	REVISIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
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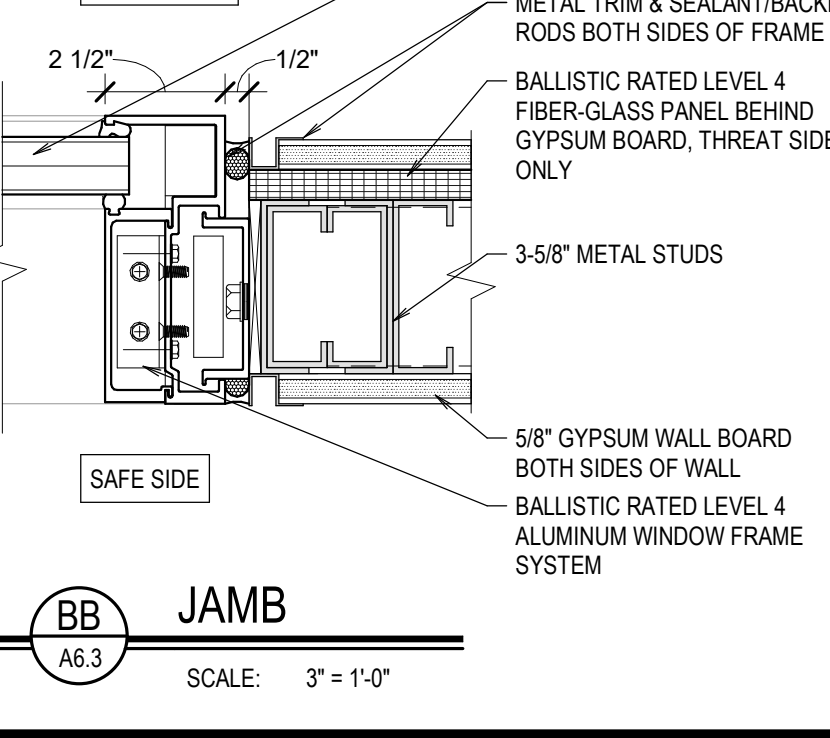
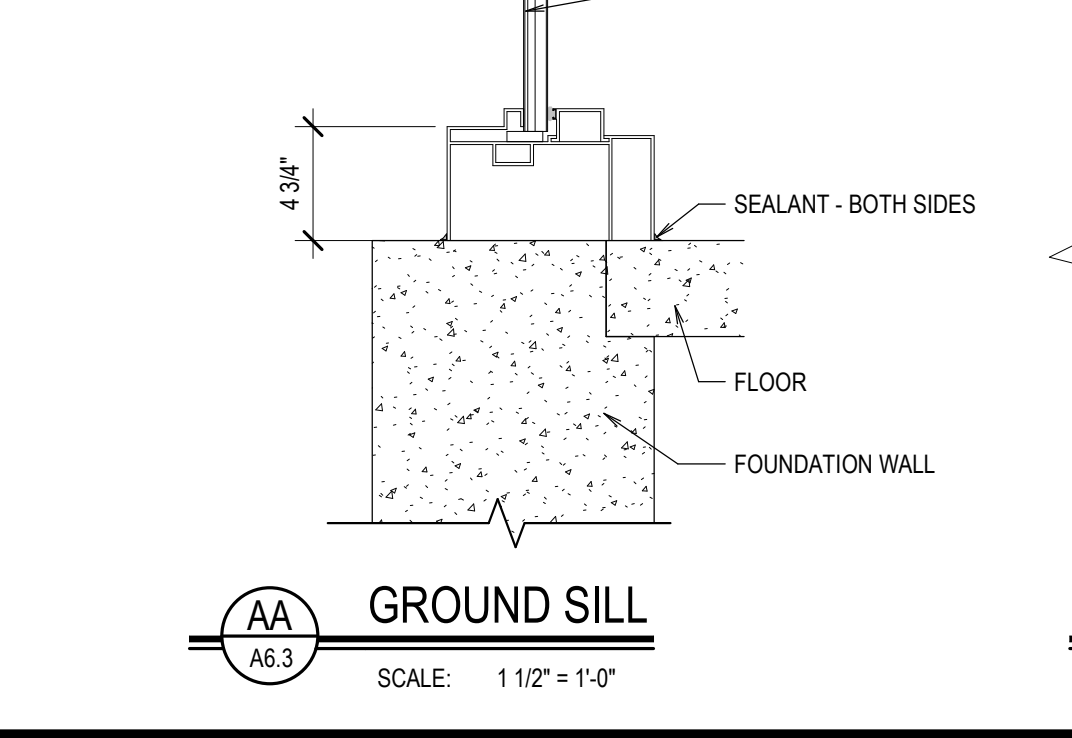
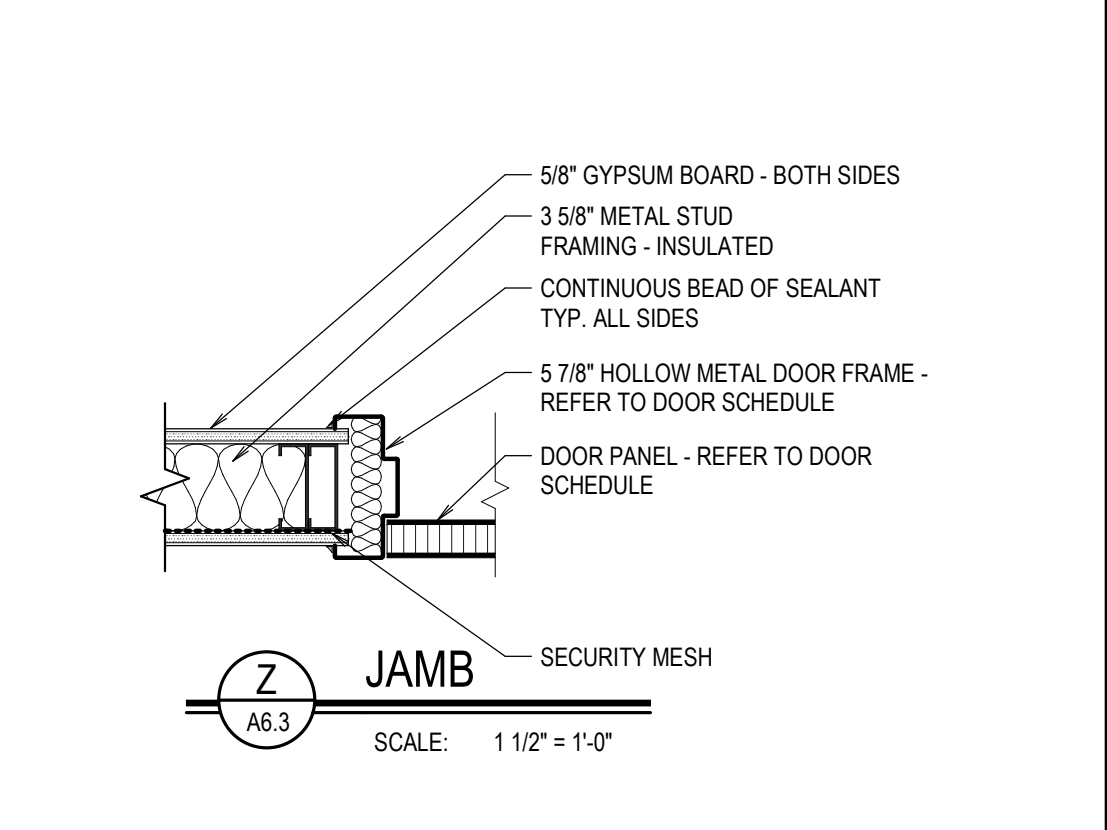
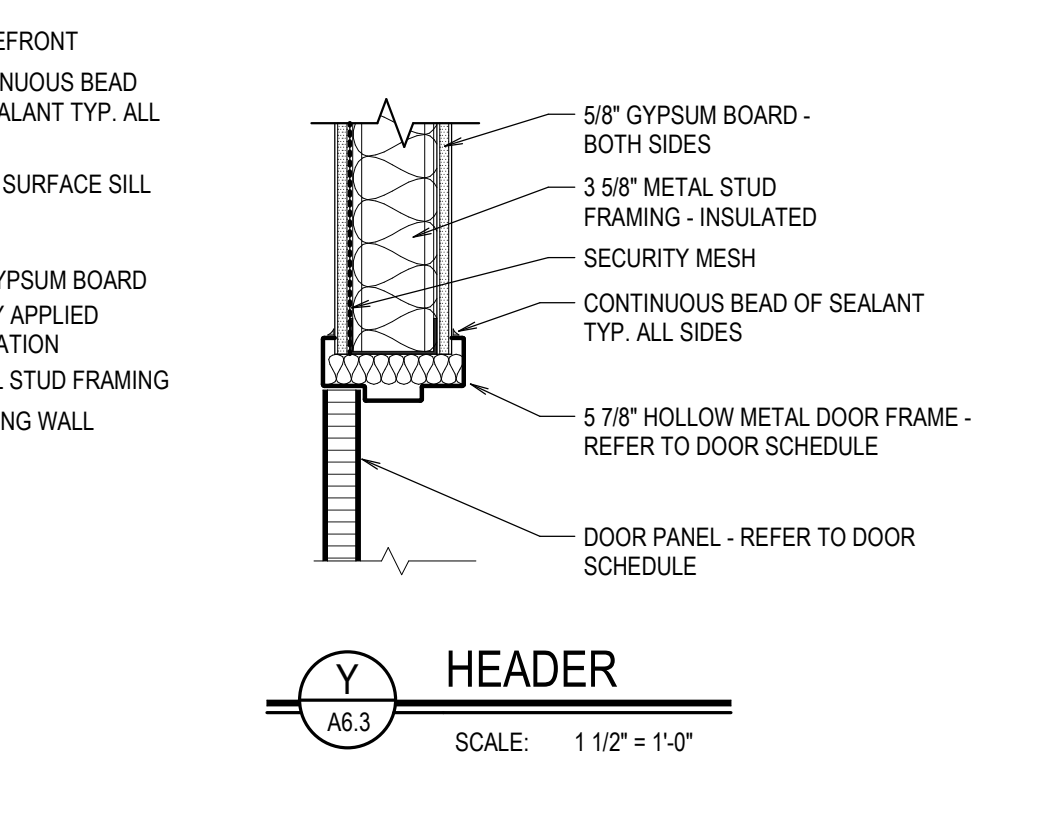
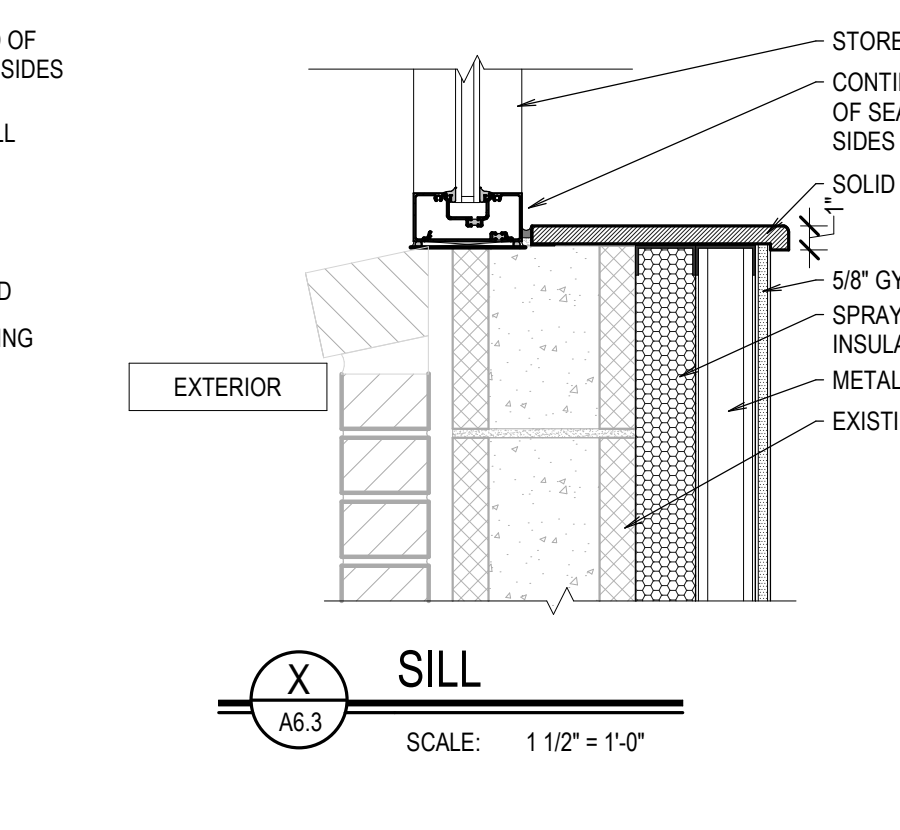
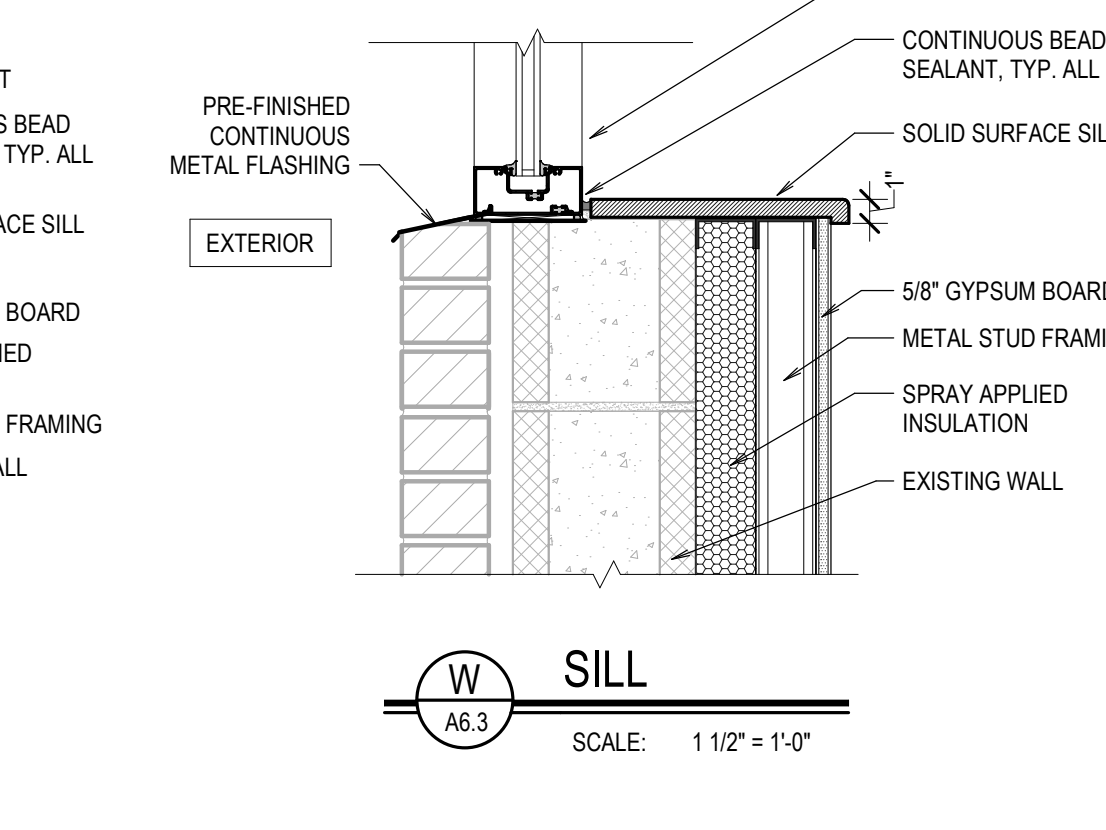
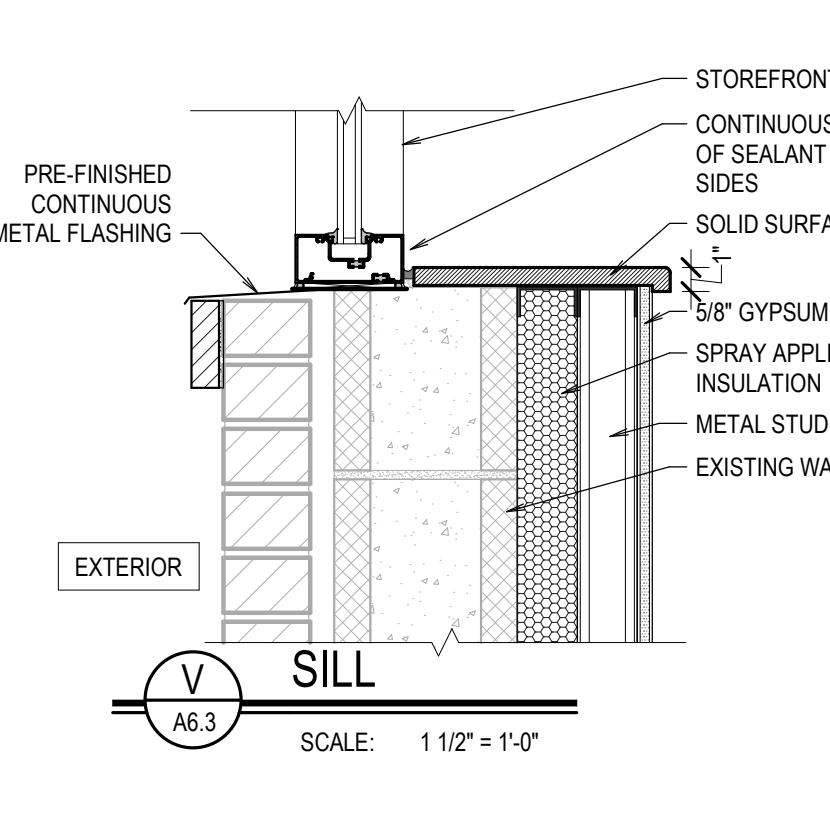
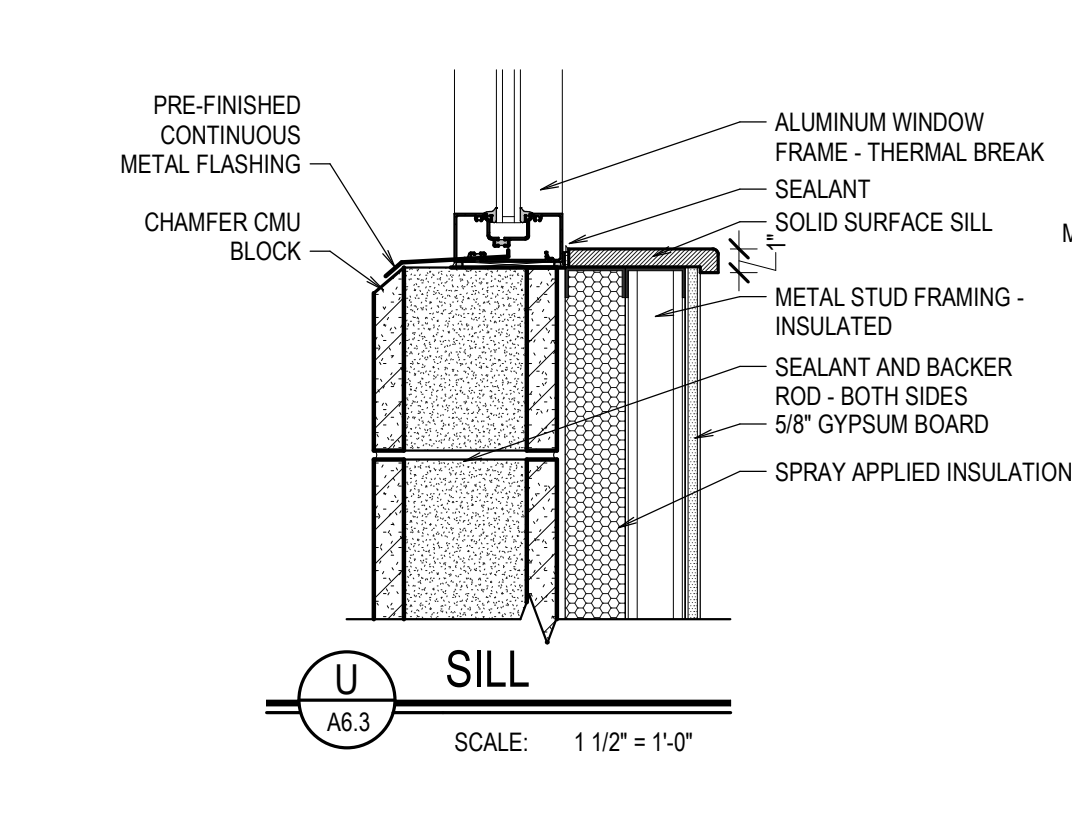
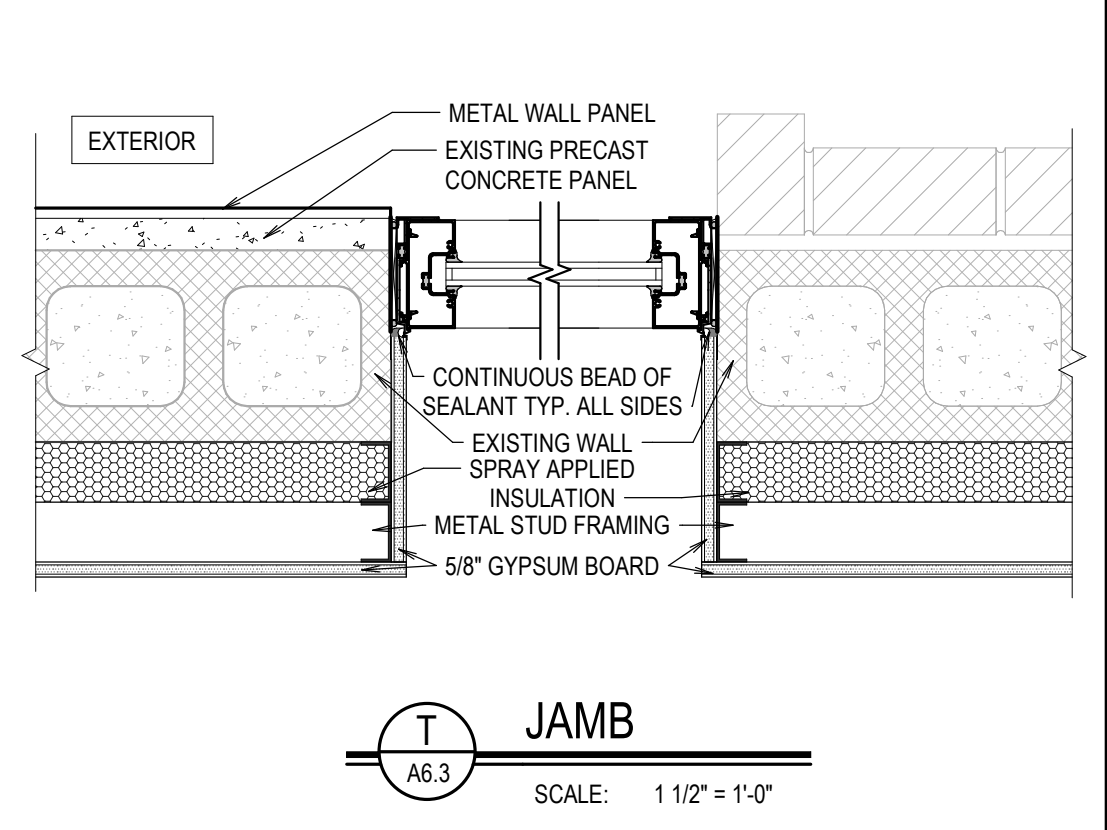
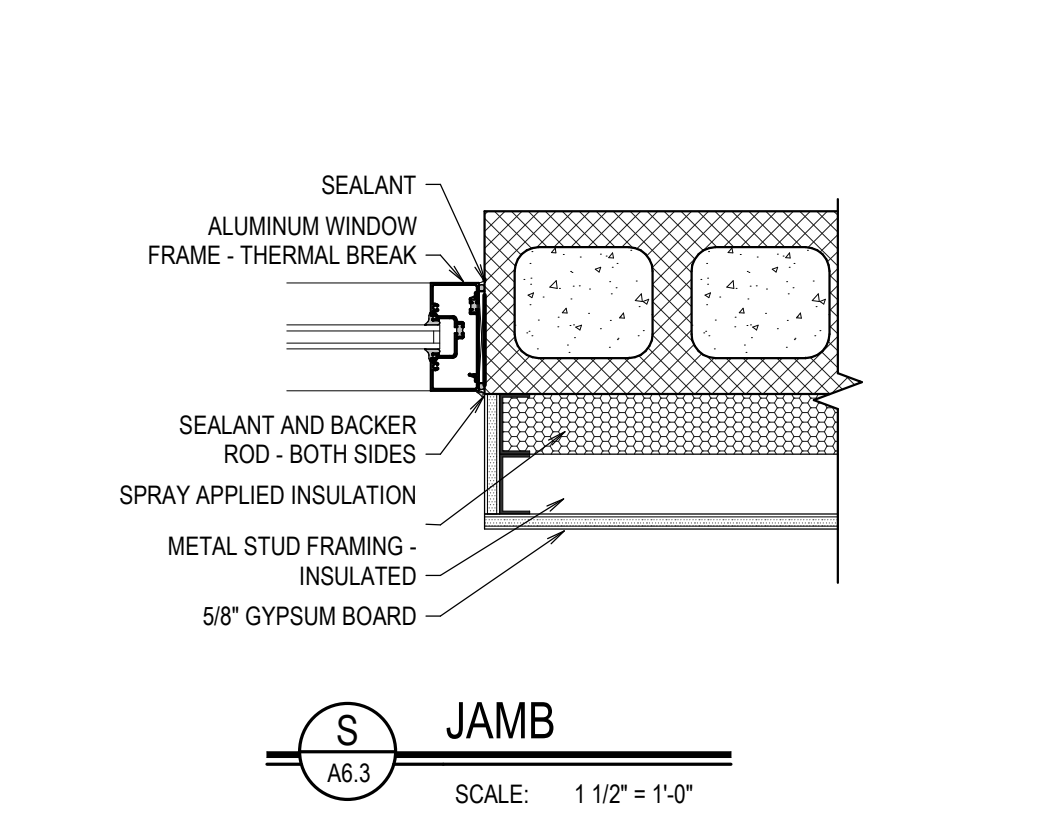
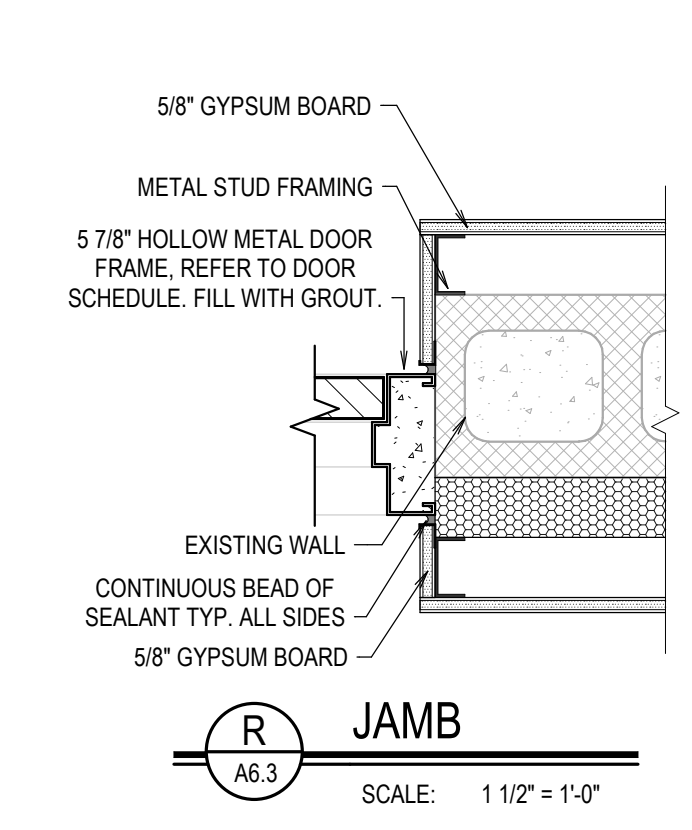
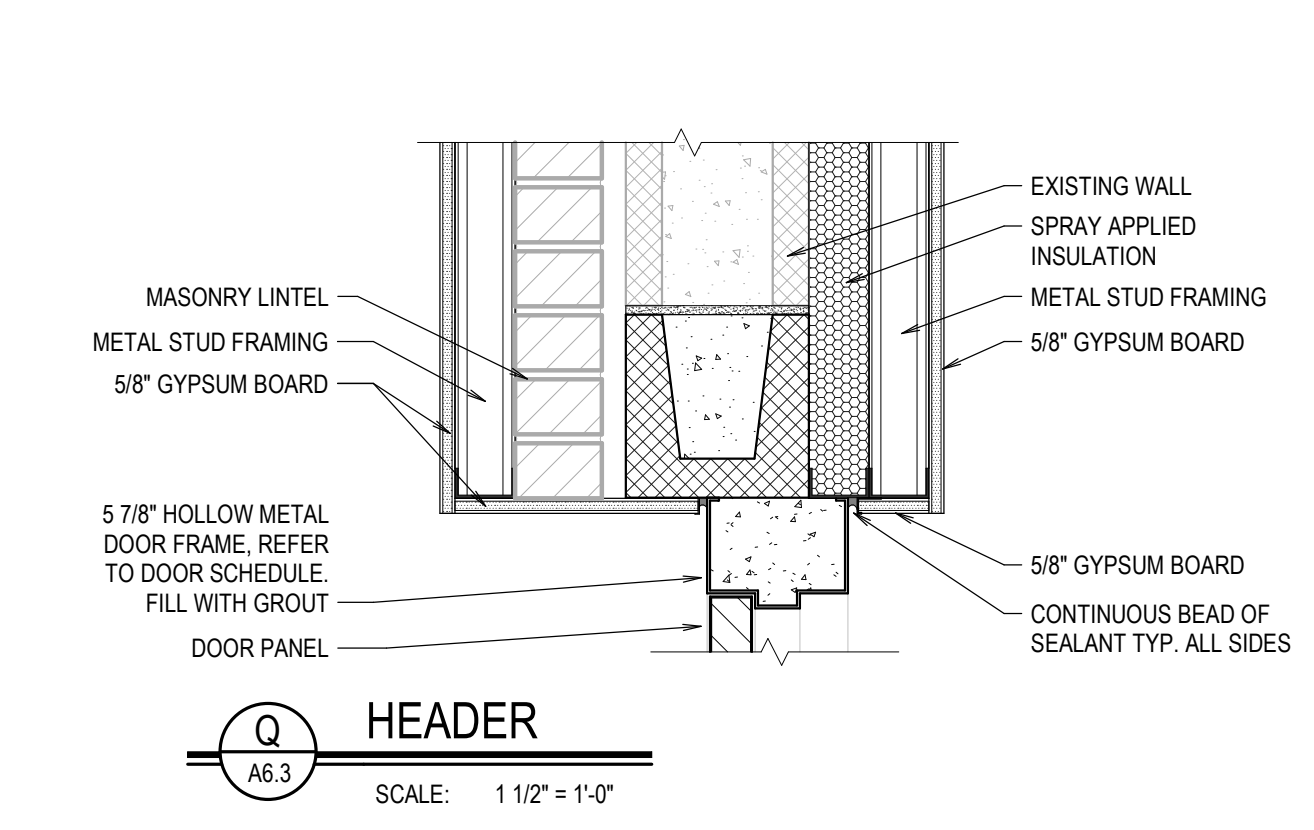
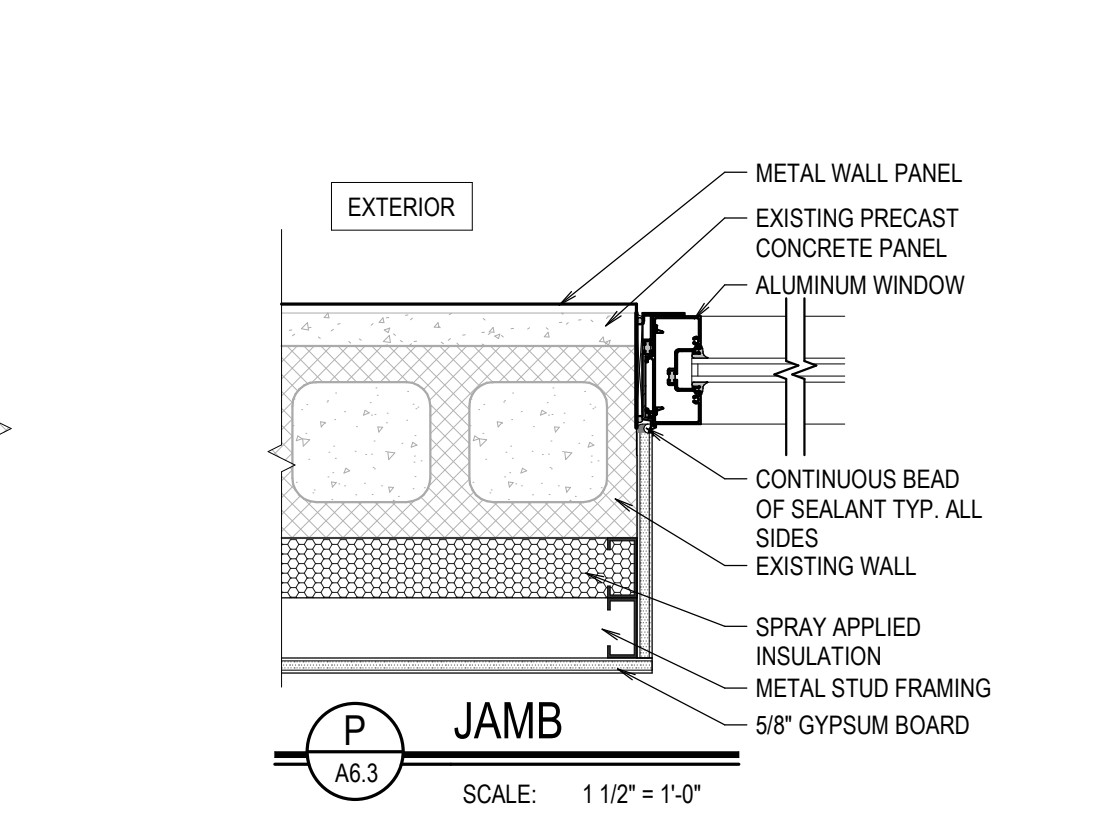
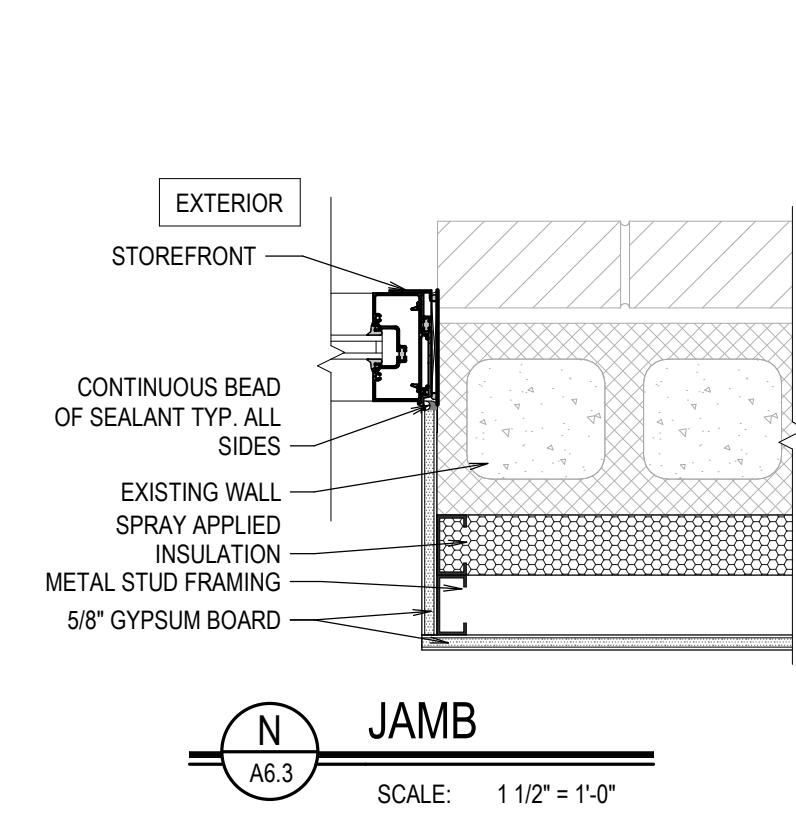
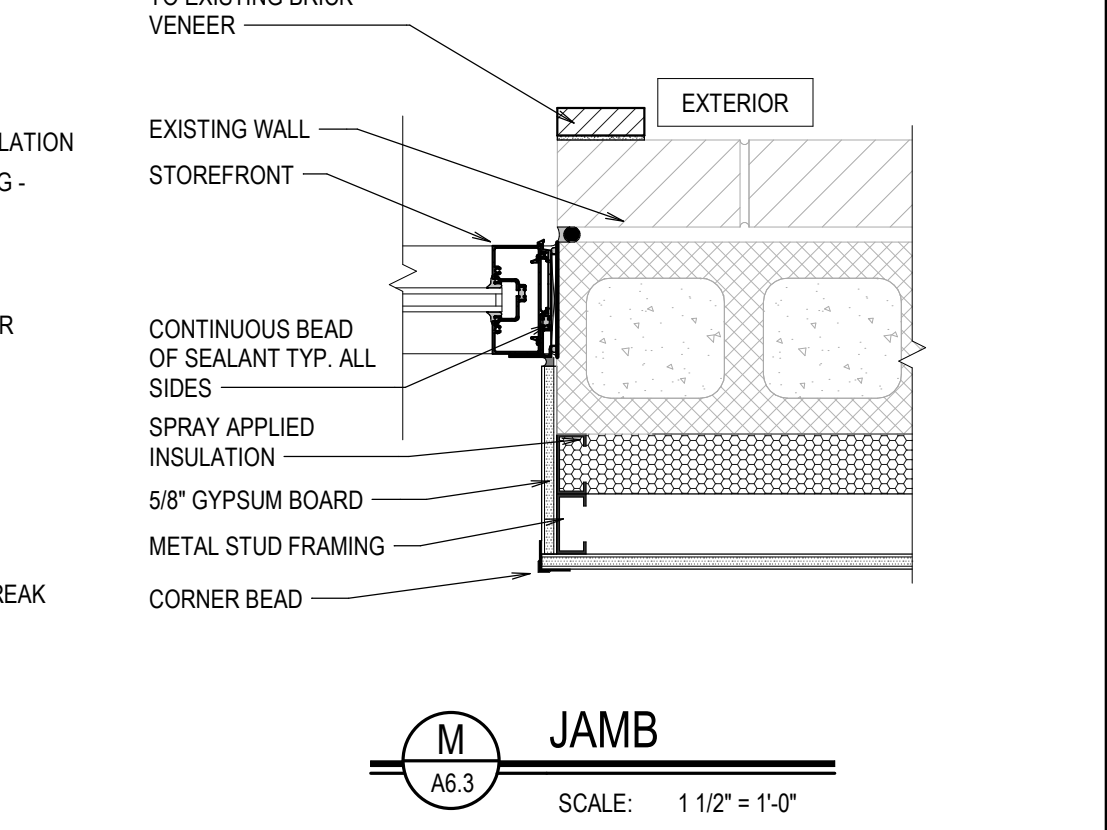
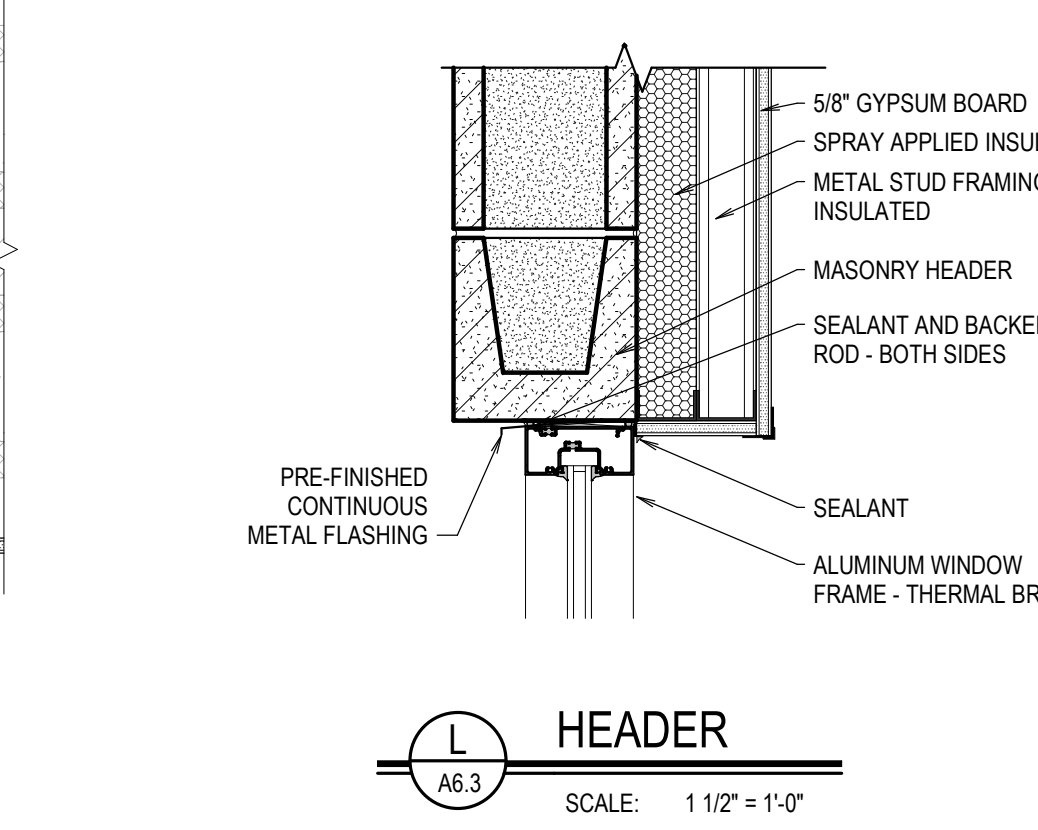
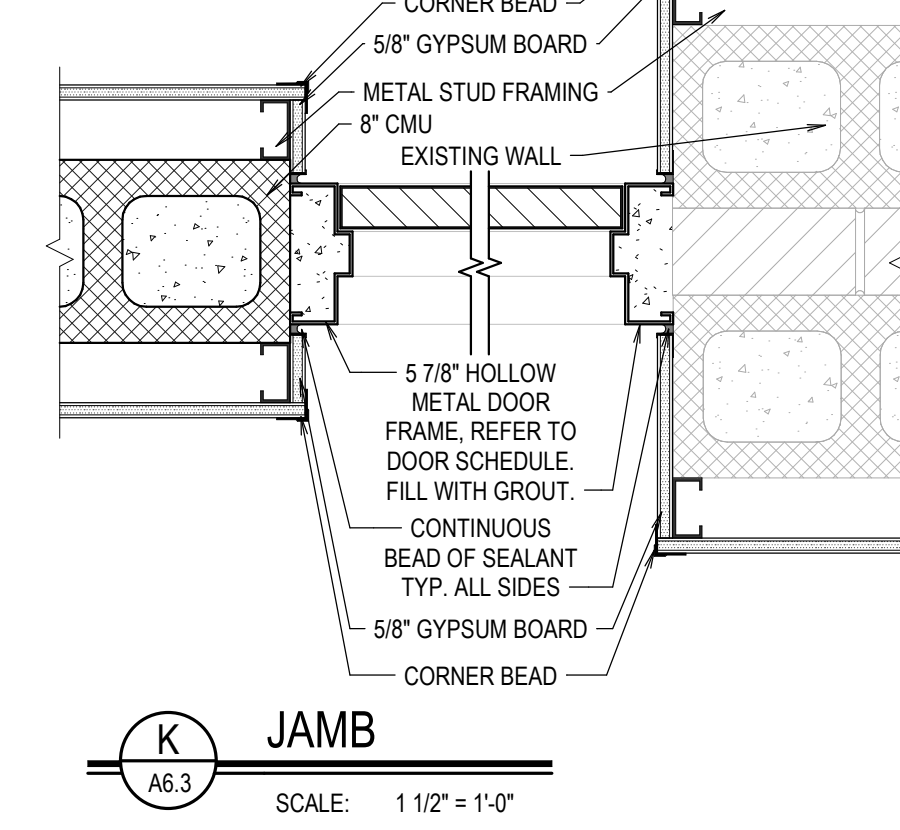
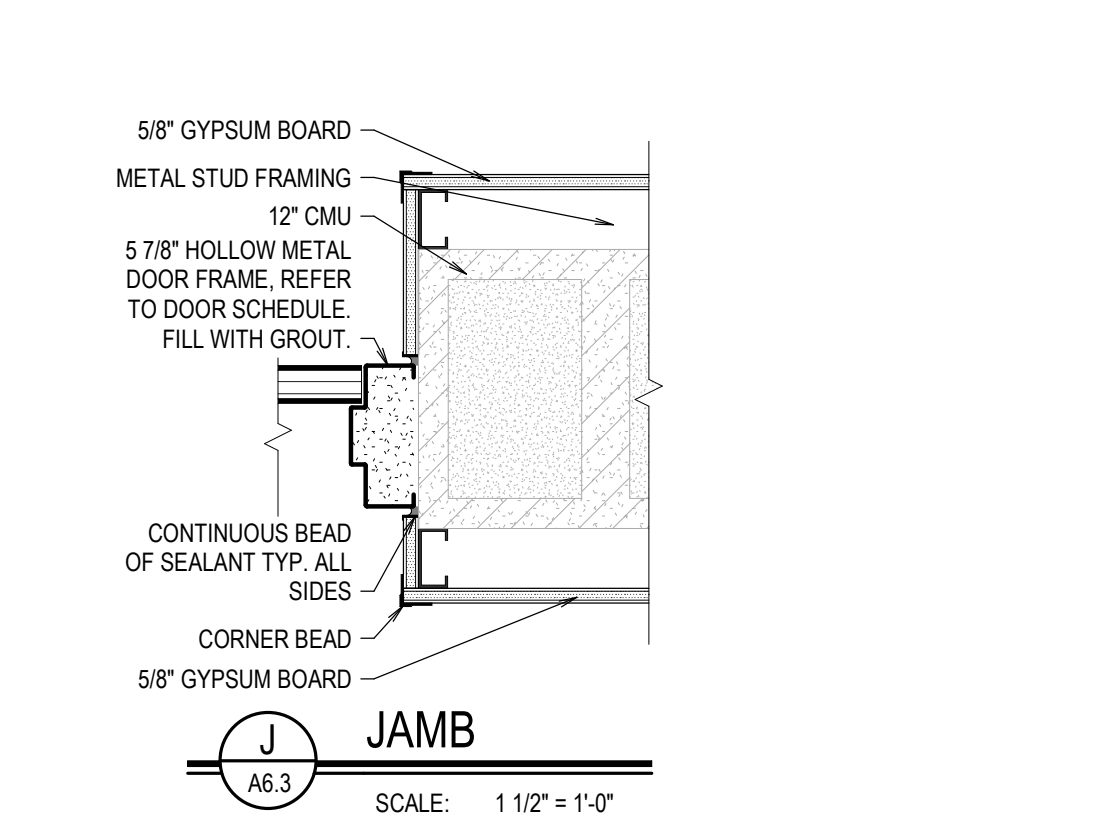
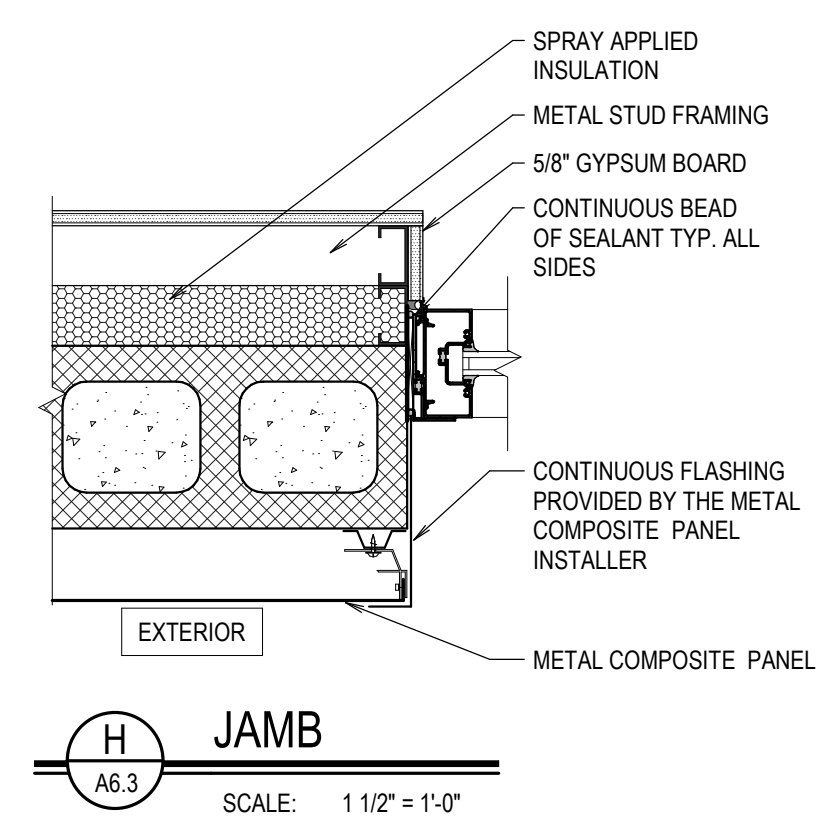
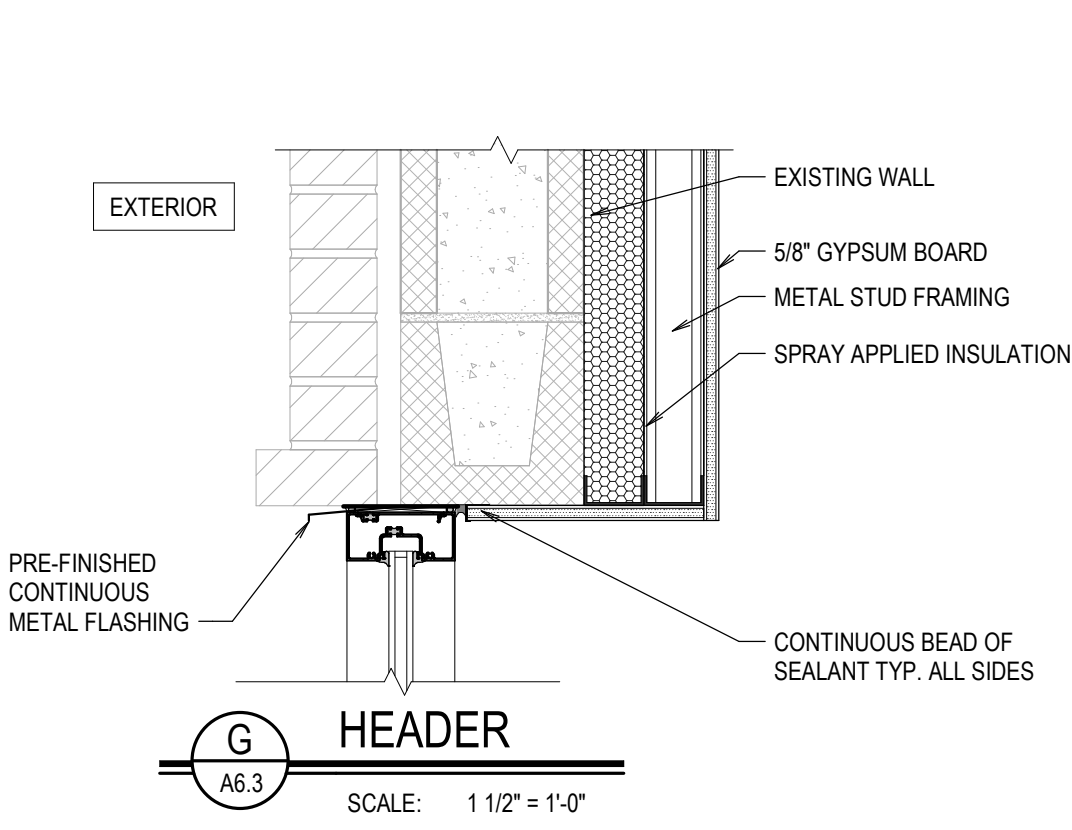
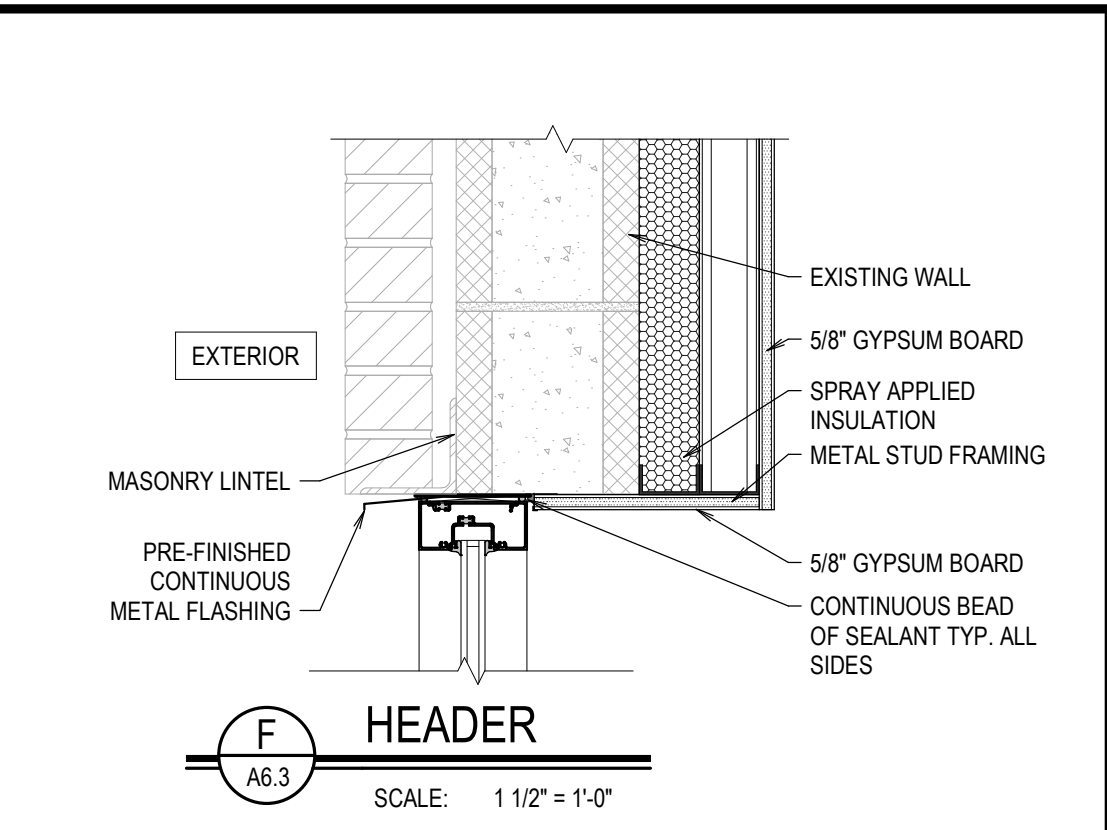
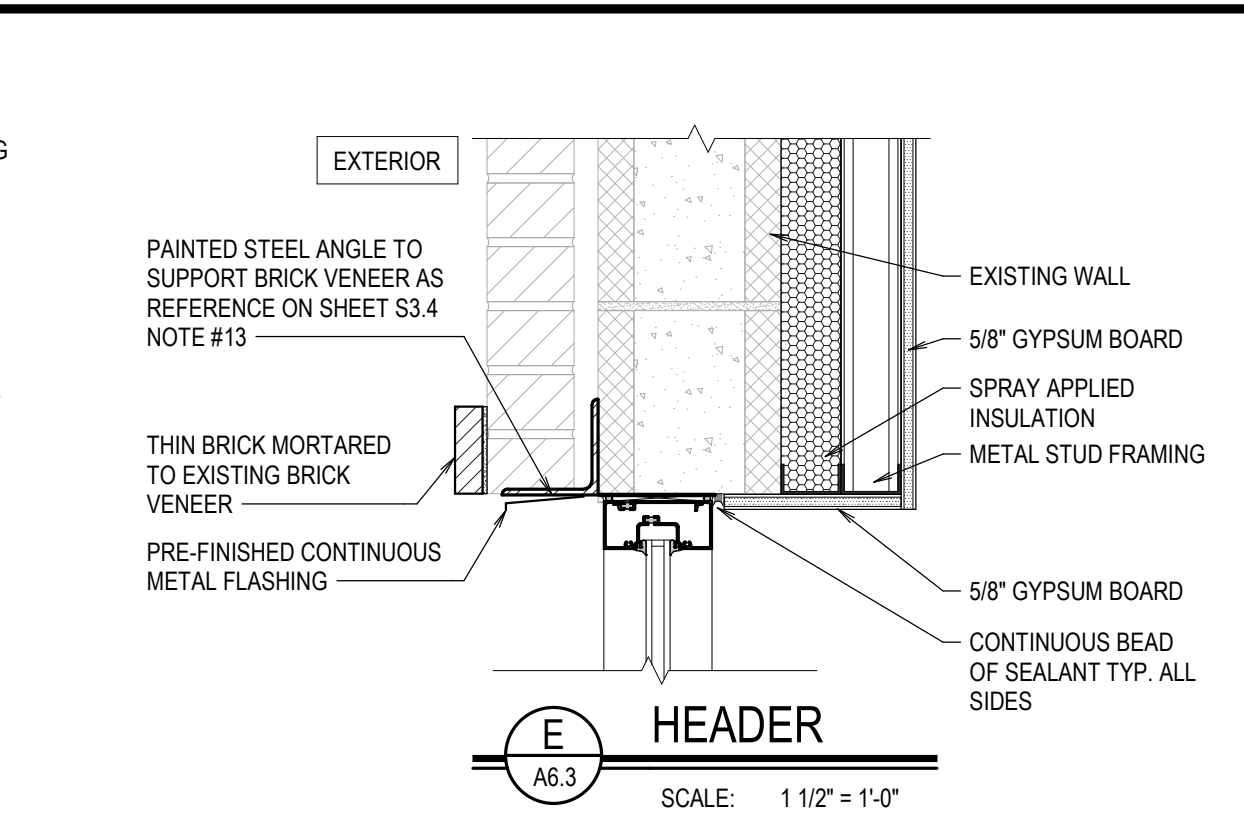
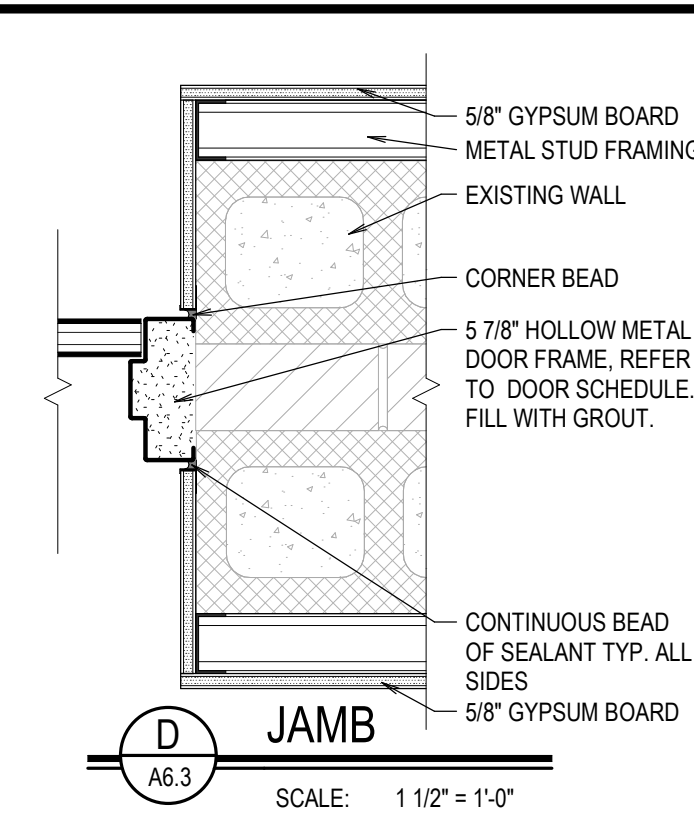
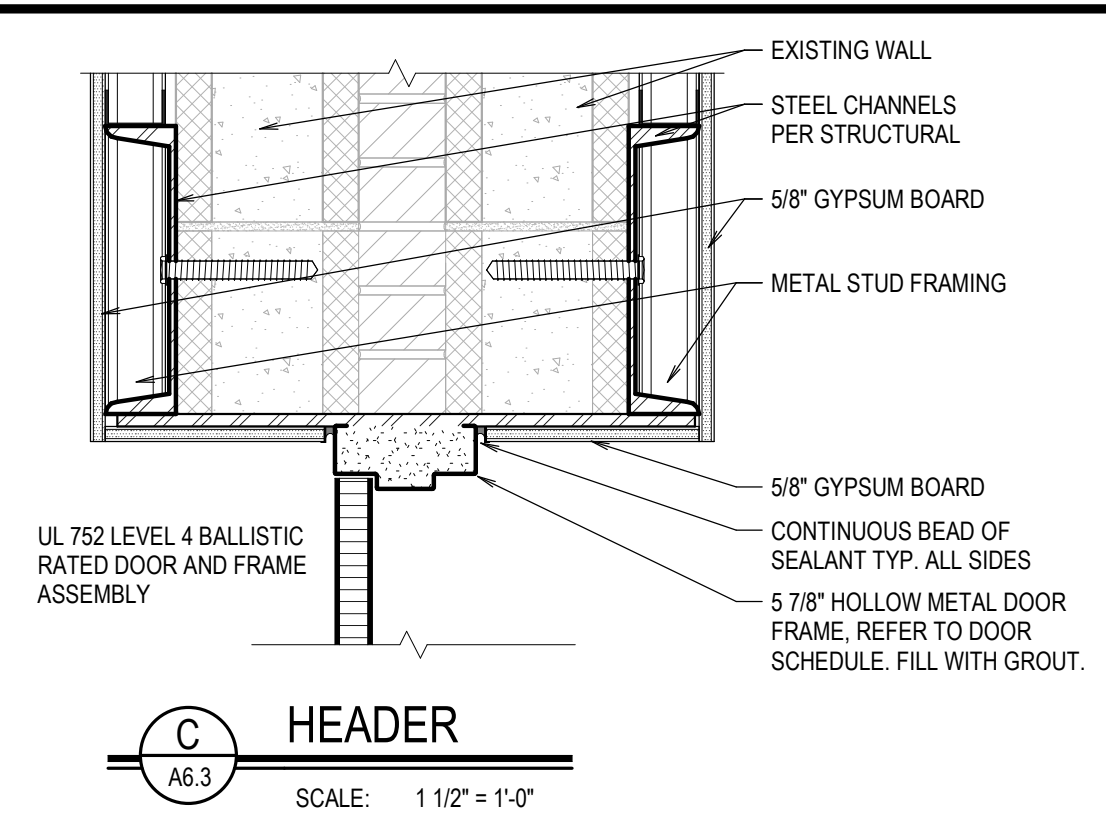
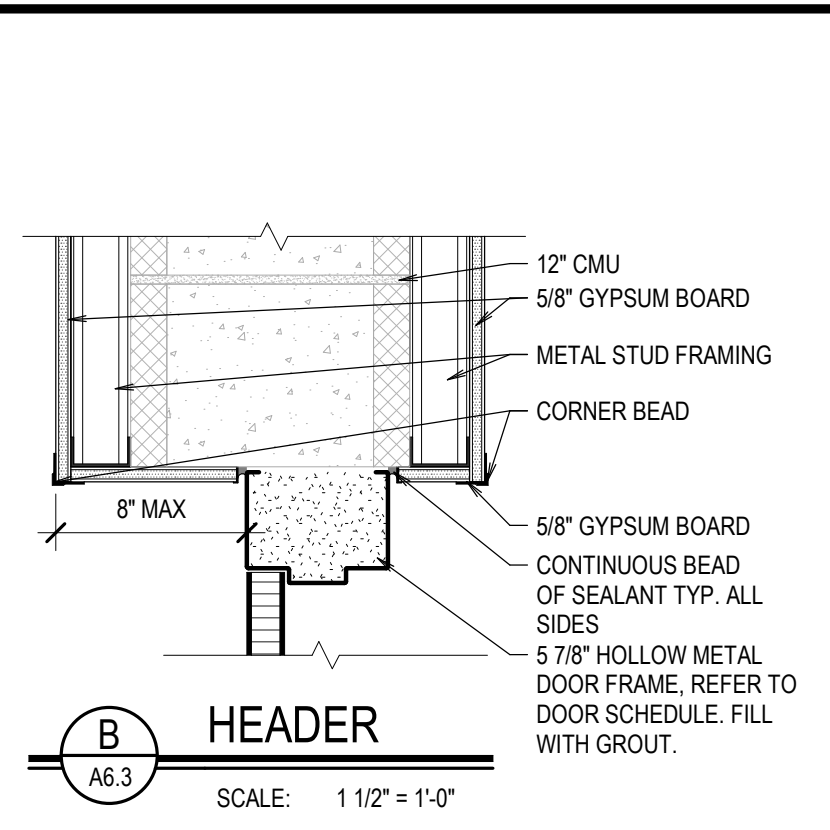
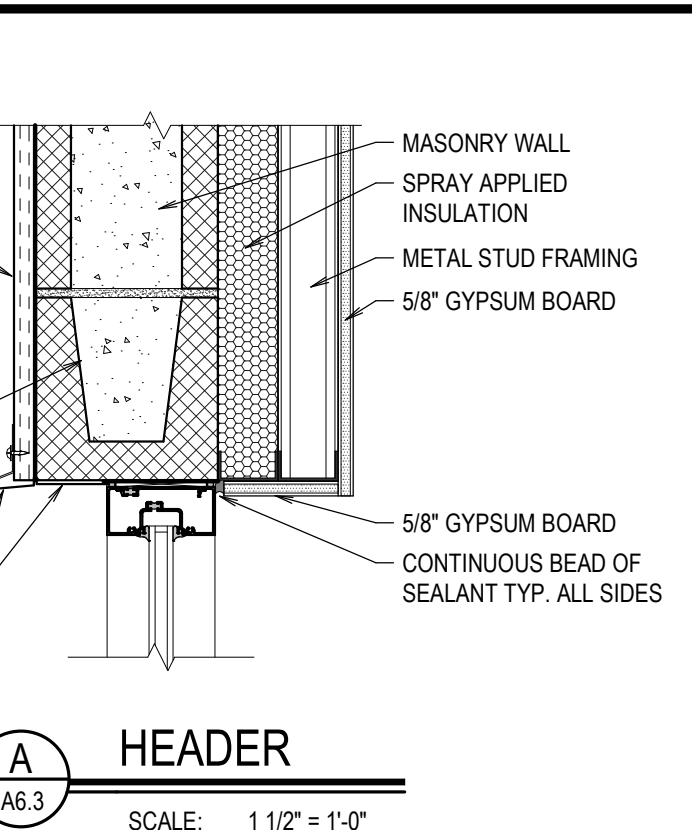
A5.4

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 State of Idaho
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Division of Building Safety
 State of Idaho
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Division of Building Safety
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- GENERAL NOTES**
- SEE STRUCTURAL FOR HEADER DETAILS.
 - ALL WINDOW AND DOOR OPENINGS SHALL HAVE ADJACENT CMU CELLS FULLY GROUTED BEFORE INSTALLING OF WINDOW OR DOOR.
 - SEAL ALL EXPOSED GAP BETWEEN EXISTING BRICK VENEER AND CMU STRUCTURE THAT ARE NOT COVERED BY A DOOR OR WINDOW FRAME.
 - ALL SPRAY APPLIED INSULATION SHALL BE CLOSED-CELL INSULATION.

LICENSED ARCHITECT
 10300204
 NICHOLAS HANSEN
 STATE OF IDAHO

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 (P) 208-522-8779 (F) 208-522-8785 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

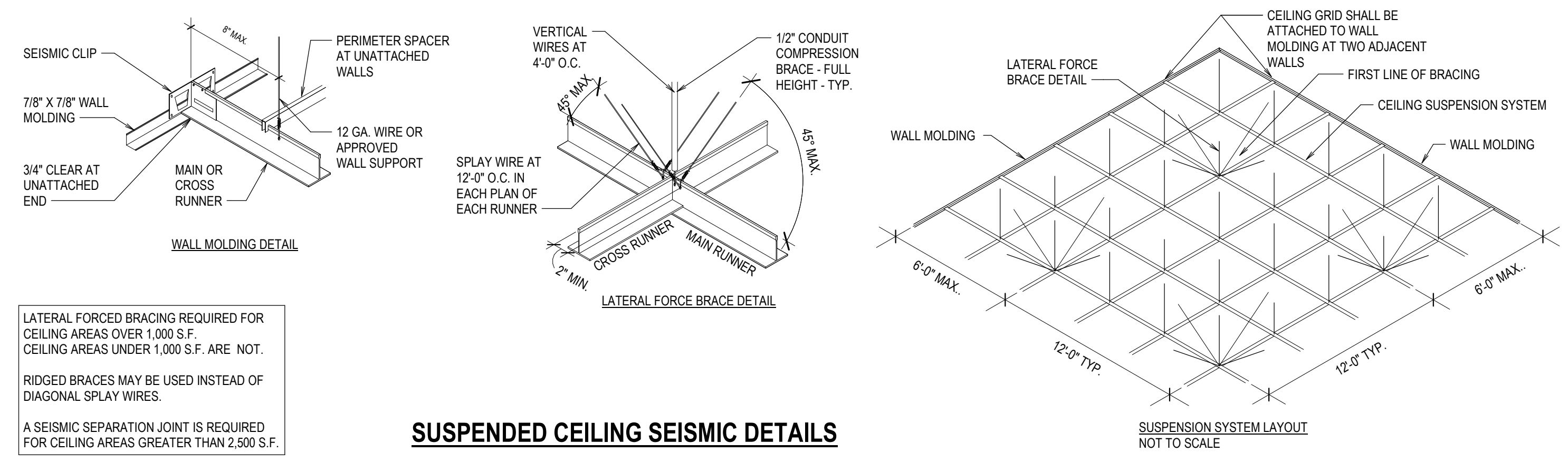
PROJECT:
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NRH/BTH/JNH
 CHECKED BY:
 NRH

DRAWING NO.:

DOOR & WINDOW DETAILS

SHEET TITLE:

A6.3



LATERAL FORCED BRACING REQUIRED FOR CEILING AREAS OVER 1,000 S.F. CEILING AREAS UNDER 1,000 S.F. ARE NOT.
 RIDGED BRACES MAY BE USED INSTEAD OF DIAGONAL SPLAY WIRES.
 A SEISMIC SEPARATION JOINT IS REQUIRED FOR CEILING AREAS GREATER THAN 2,500 S.F.

SUSPENDED CEILING SEISMIC DETAILS

- GENERAL NOTES**
- CONTRACTOR SHALL RESOLVE ALL DIMENSIONAL OR OTHER DISCREPANCIES, DURING LAYOUT WITH ARCHITECT, PRIOR TO BEGINNING CONSTRUCTION.
 - CEILING PLANS ARE FOR COORDINATION PURPOSES ONLY - SEE ELECTRICAL AND MECHANICAL DRAWINGS.
 - BRACE SUSPENDED CEILINGS PER STANDARD SEISMIC BRACING DETAIL ON THIS SHEET.

CEILING SCHEDULE KEY

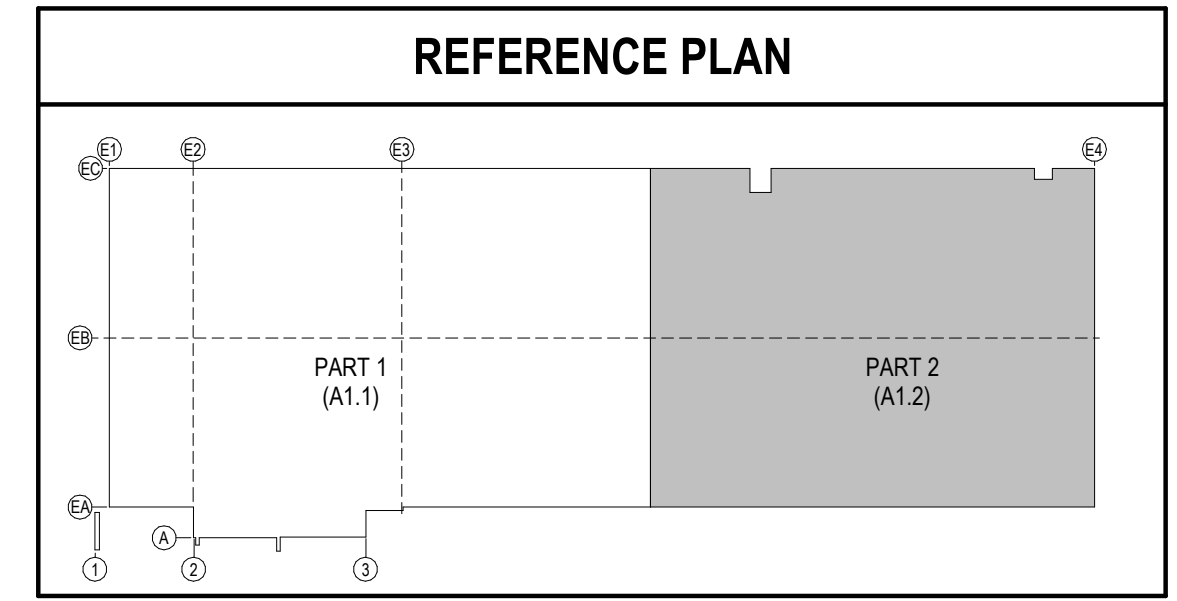
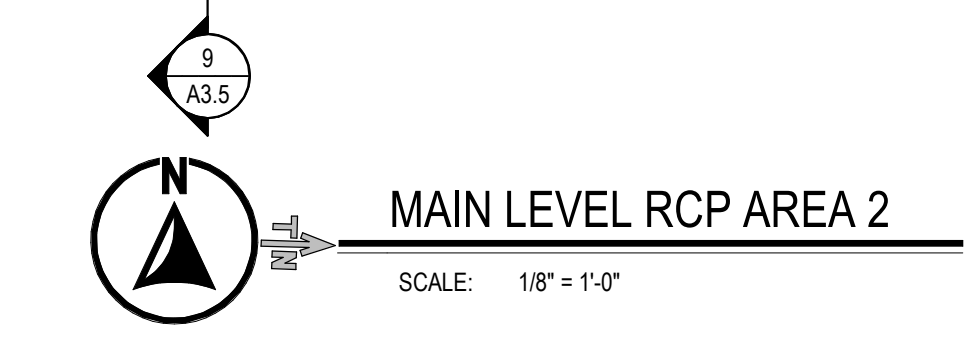
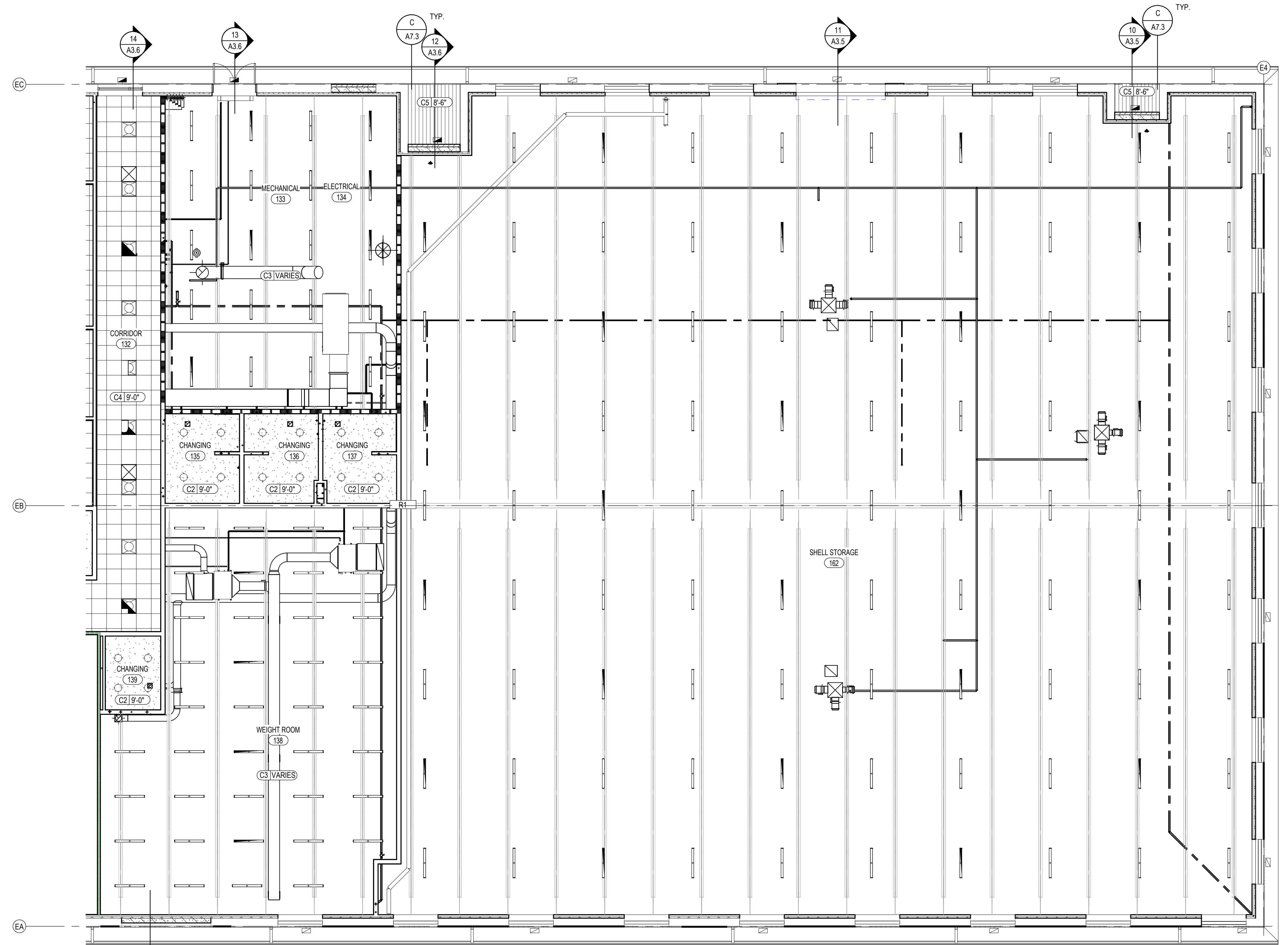
CEILING FINISH	CEILING FINISH
C1 2X4 LAY-IN ACOUSTICAL PANELS	C4 2X2 LAY-IN ACOUSTICAL PANELS
C2 SUSPENDED 5/8" GYP. BOARD	C5 METAL CEILING SYSTEM
C3 EXPOSED STRUCTURE - PAINTED	C6 5/8" GYP. BOARD ON METAL STUD

CEILING FIXTURE KEY

LIGHT FIXTURES - SEE ELECTRICAL DRAWINGS

EXIT DEVICES - SEE ELECTRICAL DRAWINGS

MECHANICAL FIXTURES - SEE MECHANICAL DRAWINGS



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: SHEET TITLE: REFLECTED CEILING PLAN PART 2

REVISIONS

NO.	DESCRIPTION

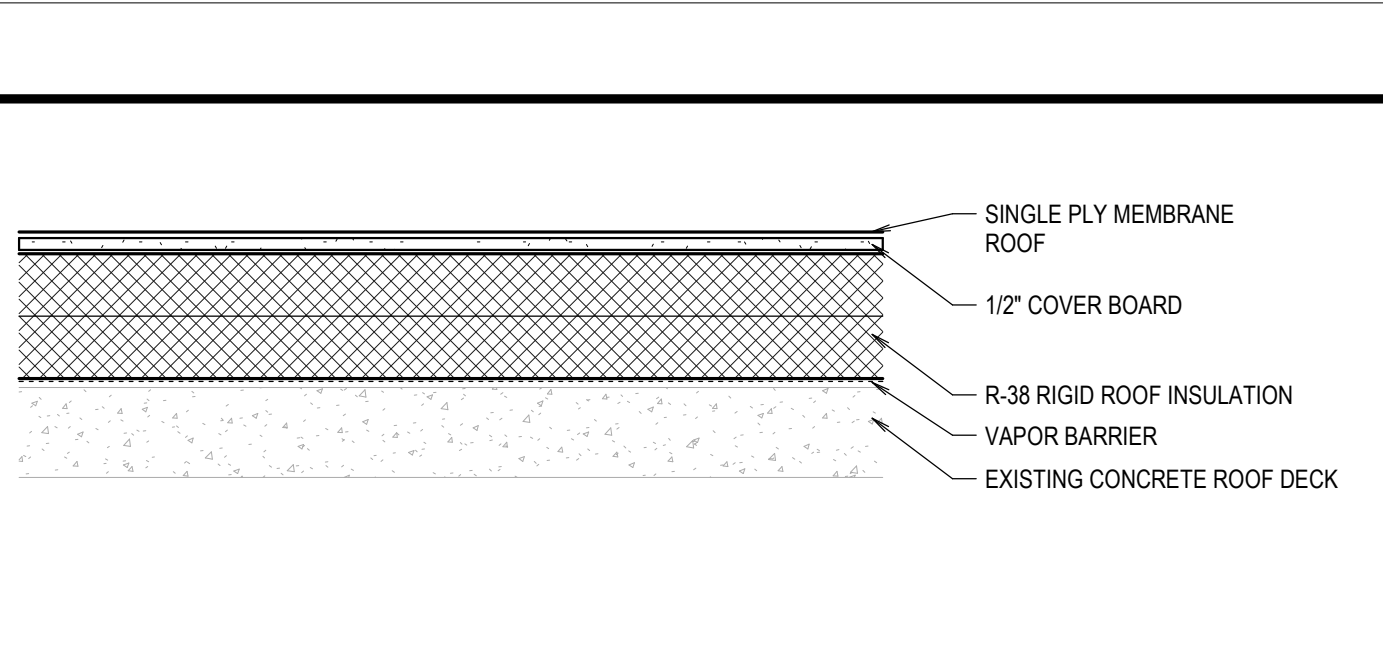
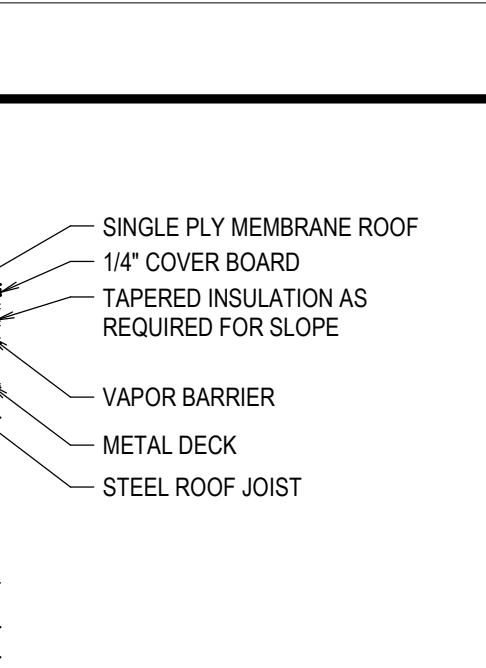
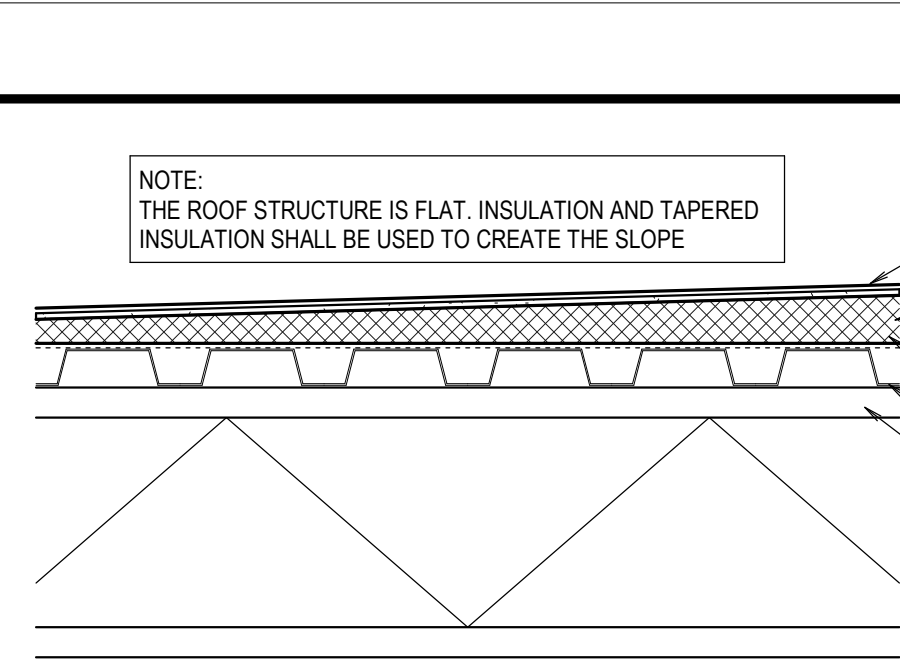
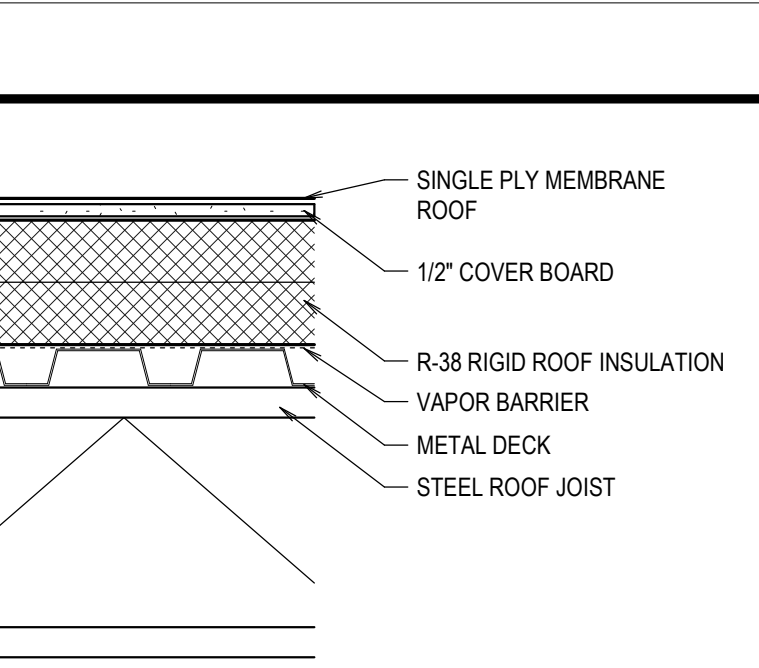
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 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
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DRAWING NO.: **A7.2**

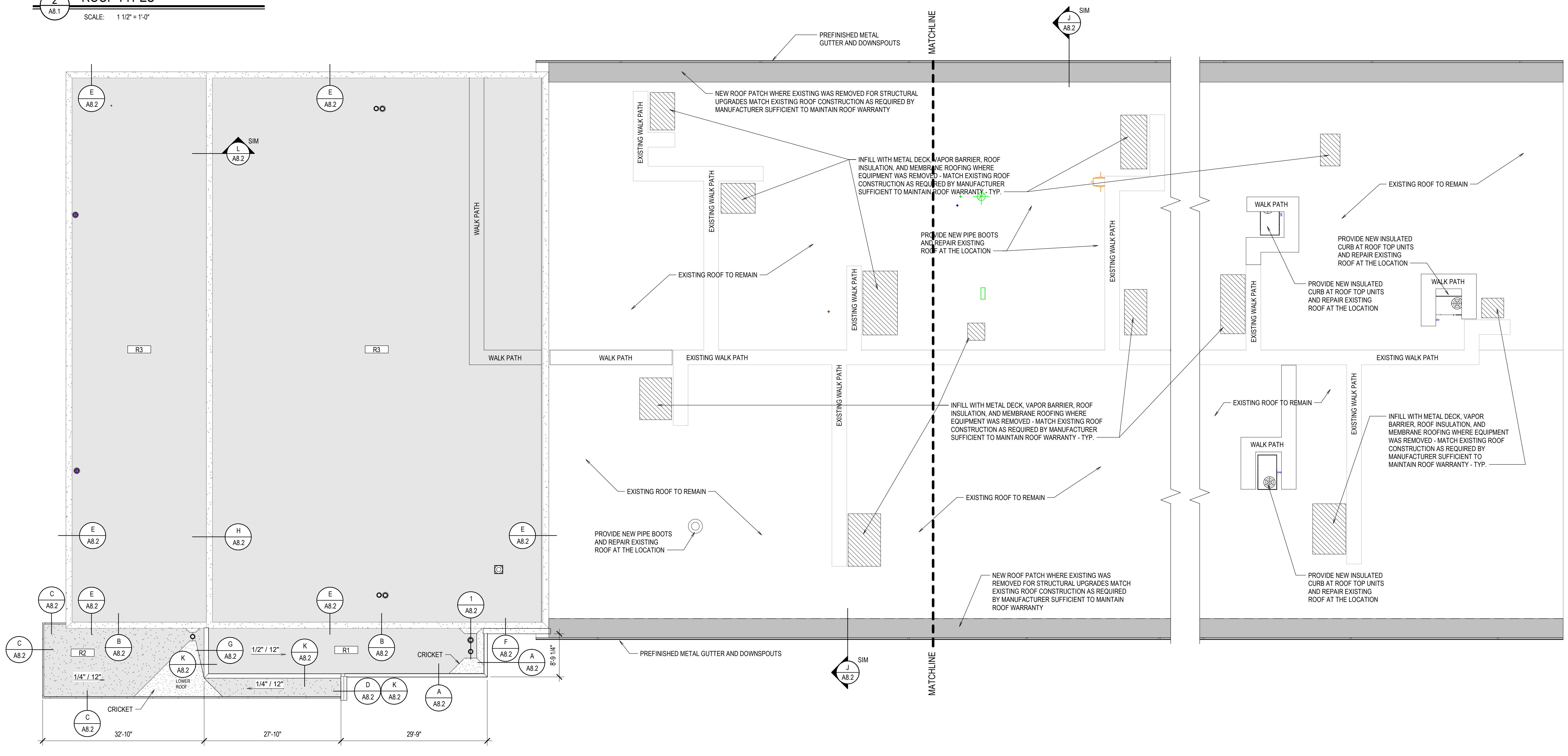
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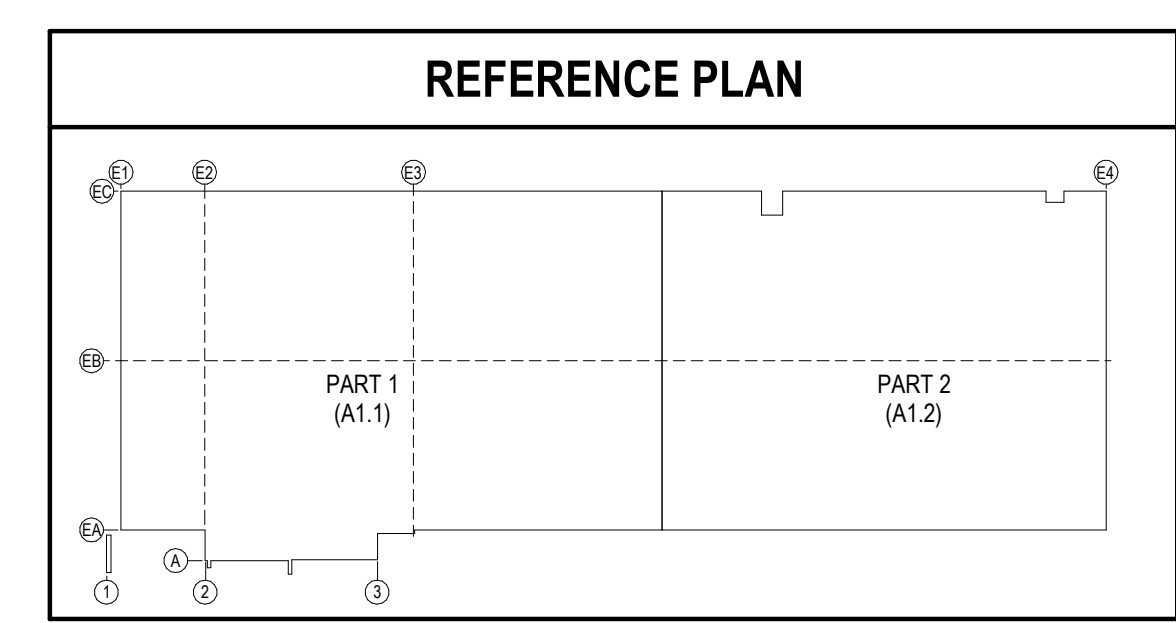
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2 ROOF TYPES
 SCALE: 1 1/2" = 1'-0"



ROOF PLAN
 SCALE: 3/32" = 1'-0"



2024-10-30 4:37:34 PM Autodesk Docs://DPW 22511 ISP District 6 HQ/DPW 22511 ISP 1155 FOOTE DRIVE Existing Building.rvt



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:

REVISIONS

NO.	DESCRIPTION

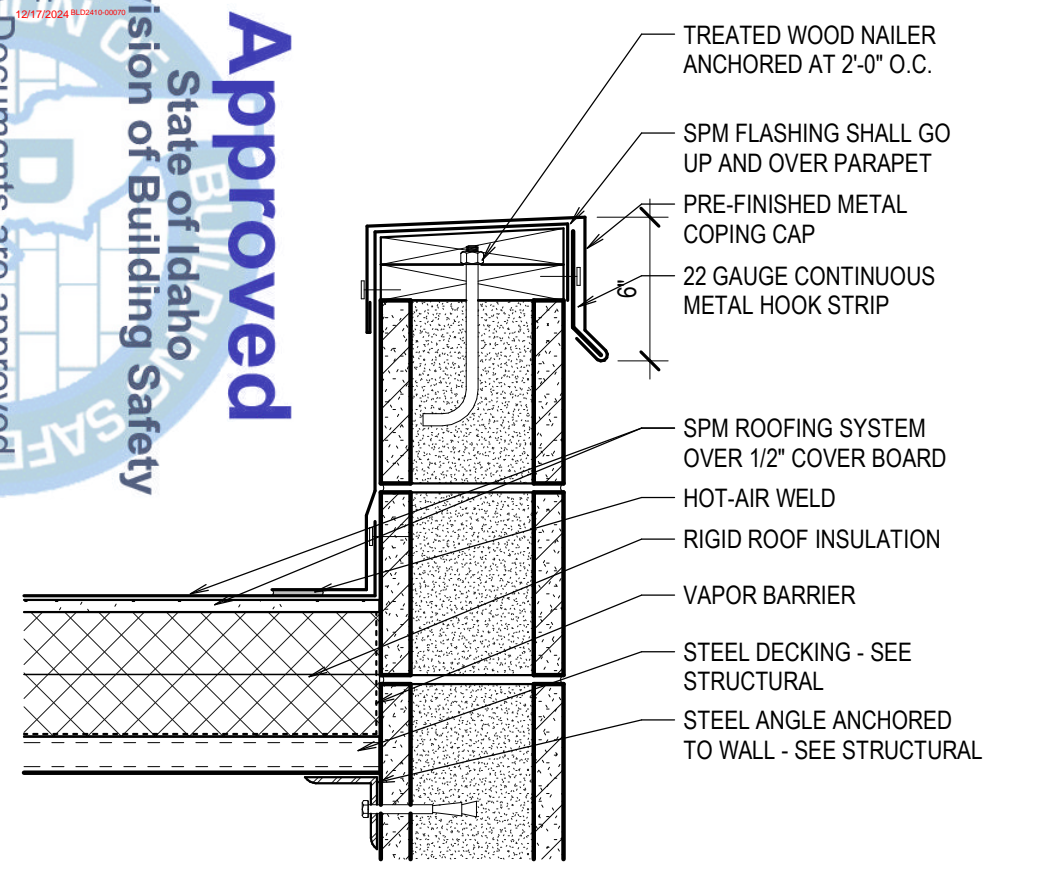
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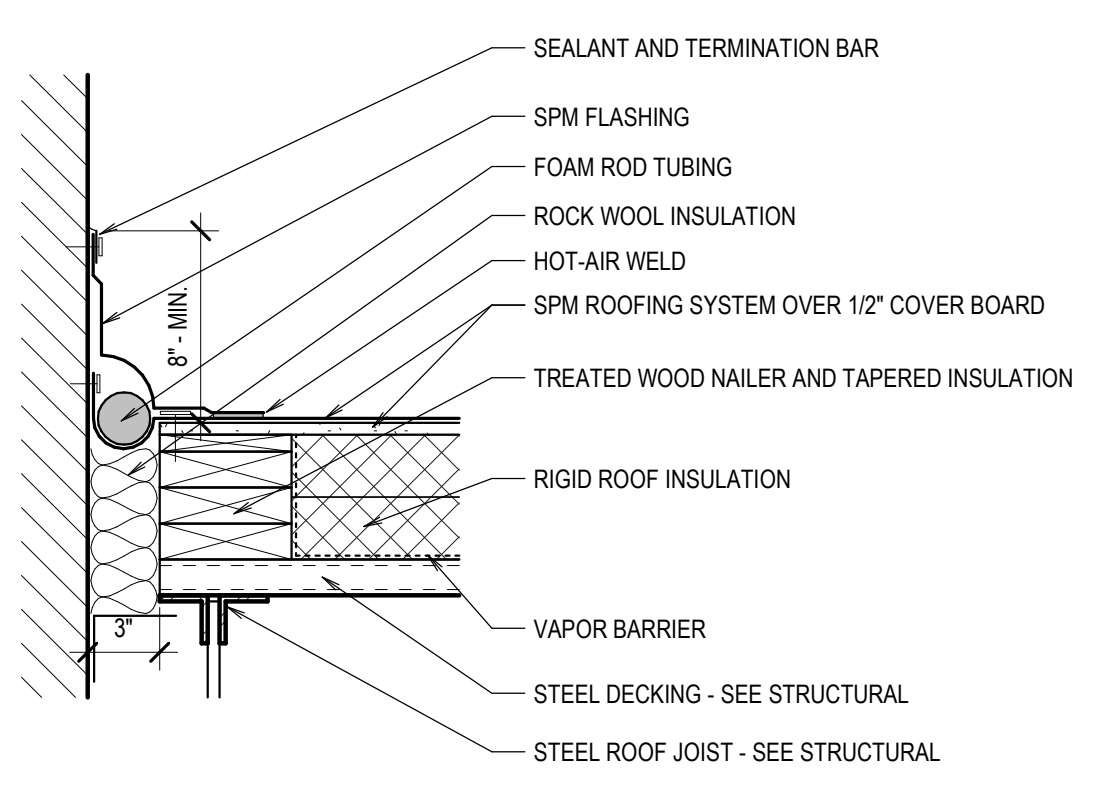
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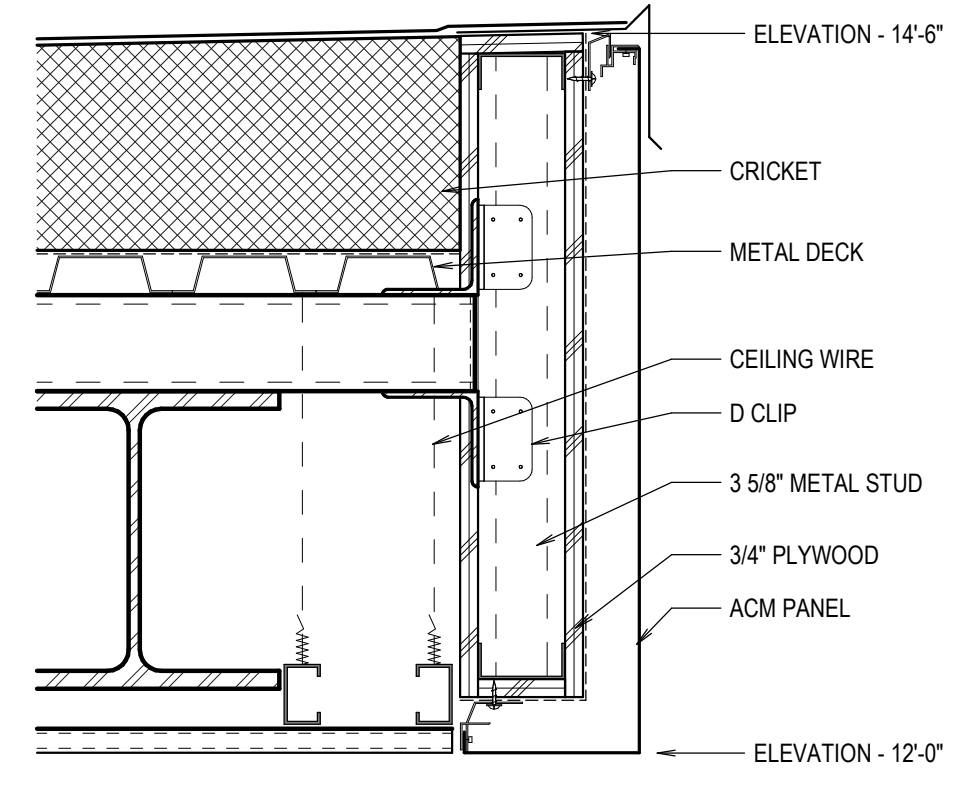
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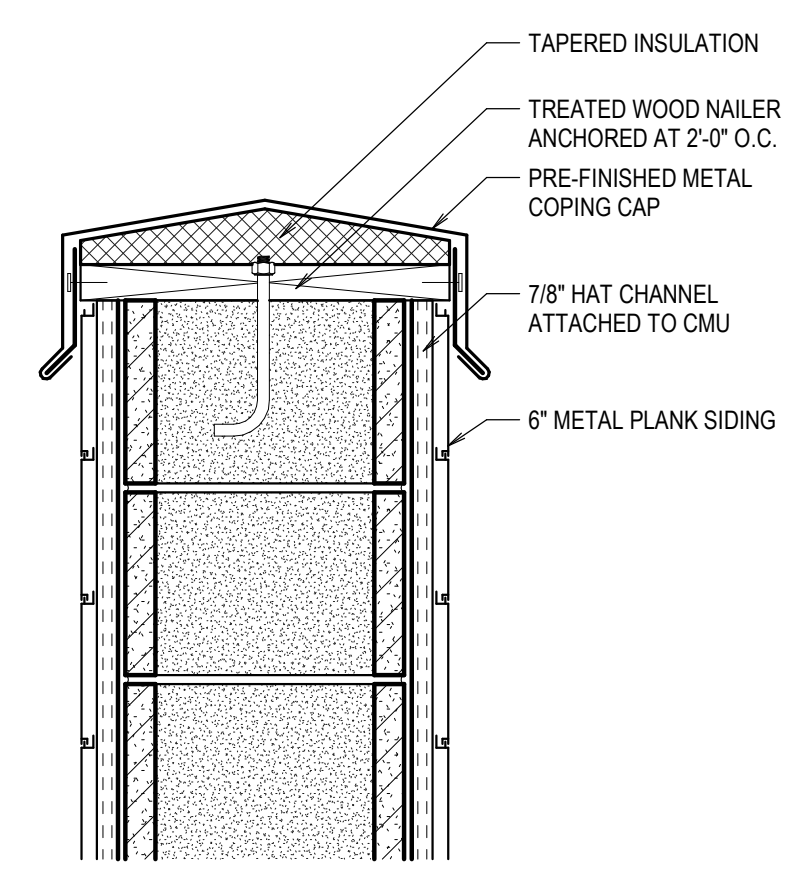
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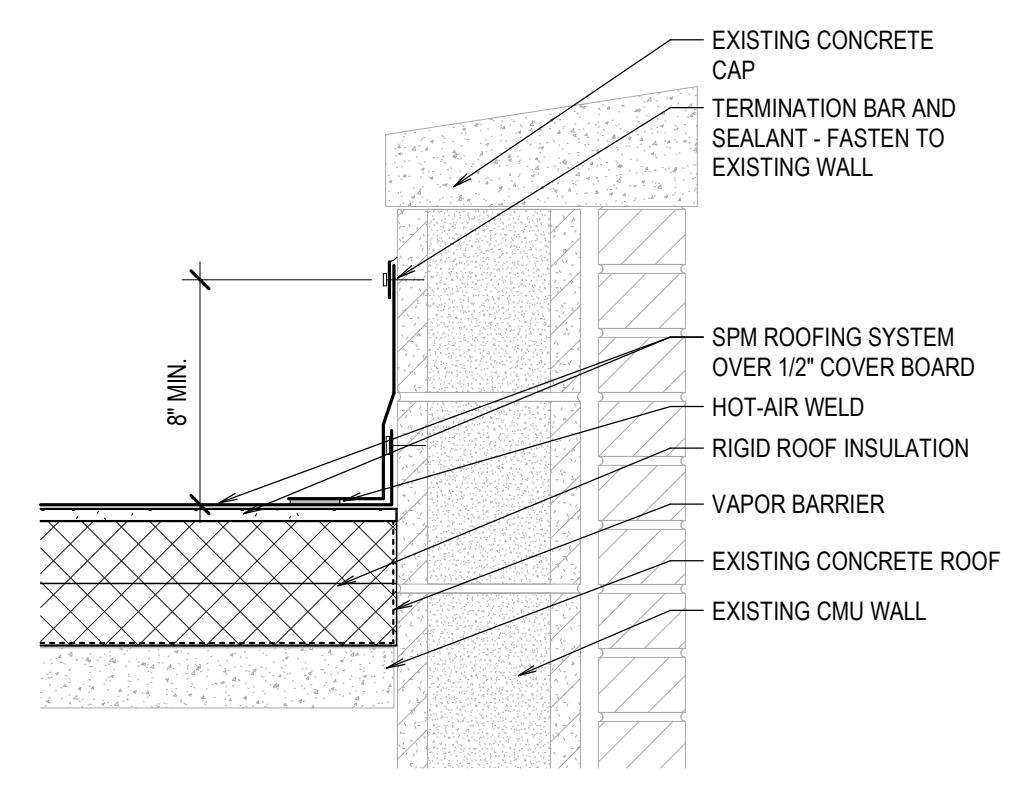
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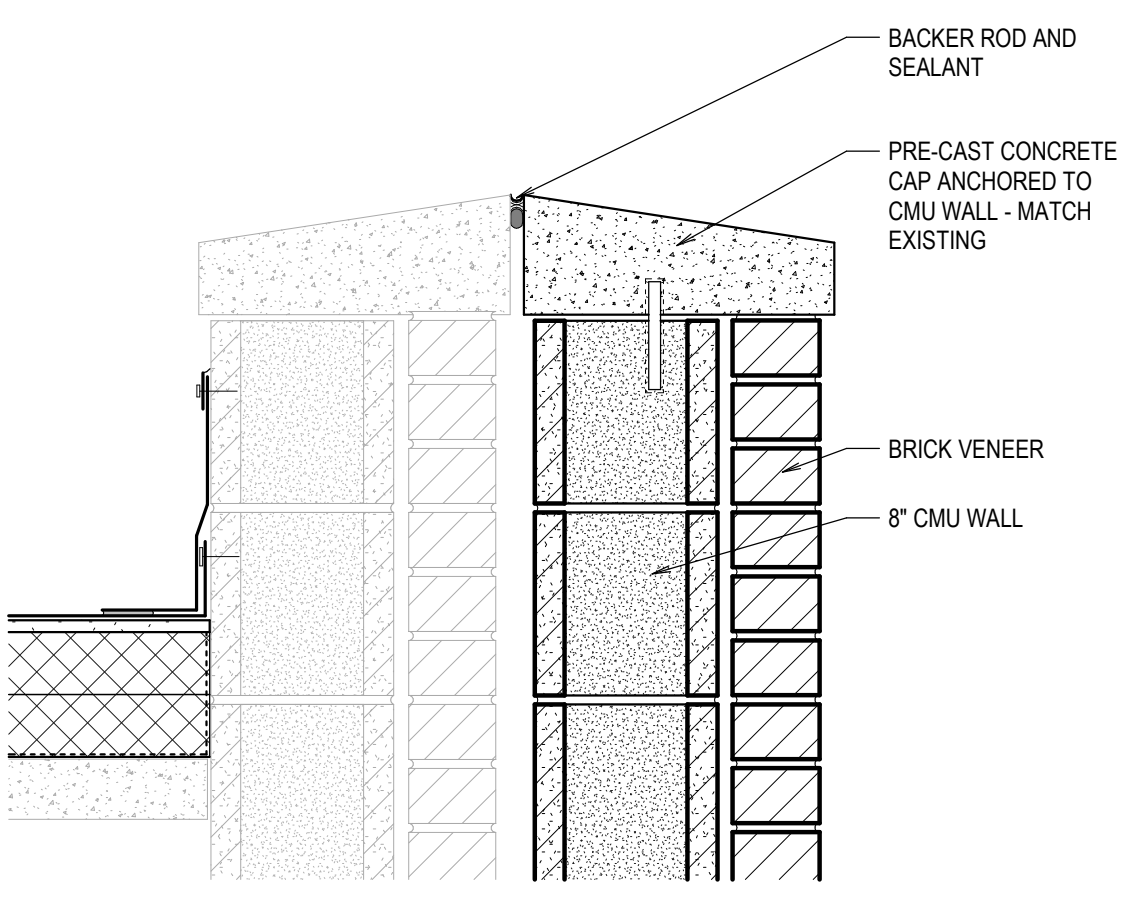
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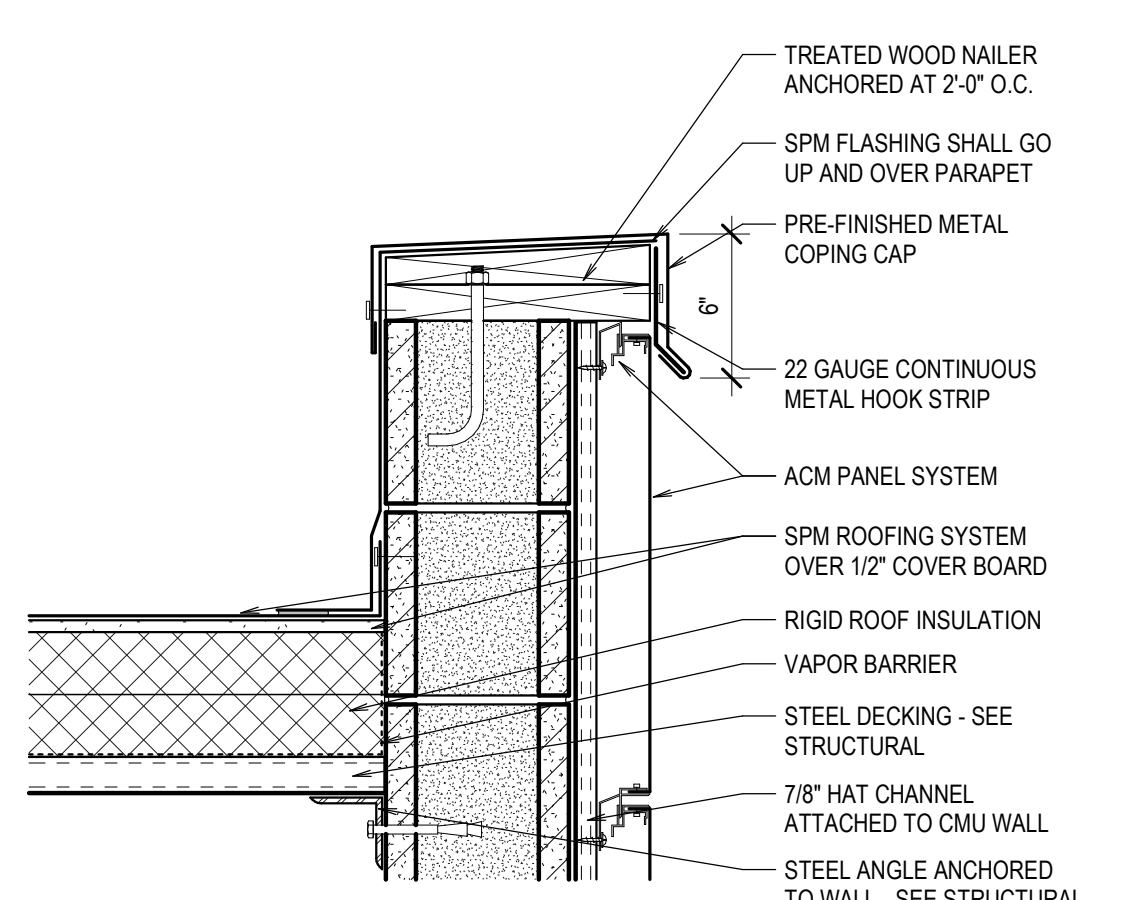
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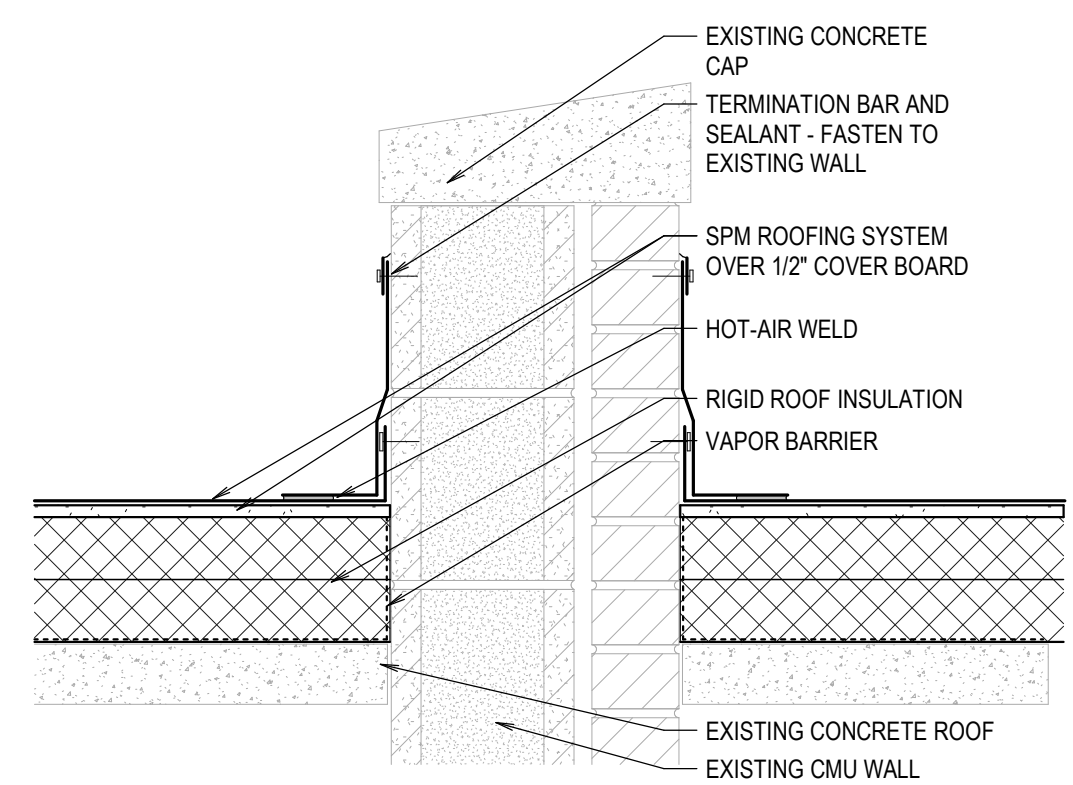
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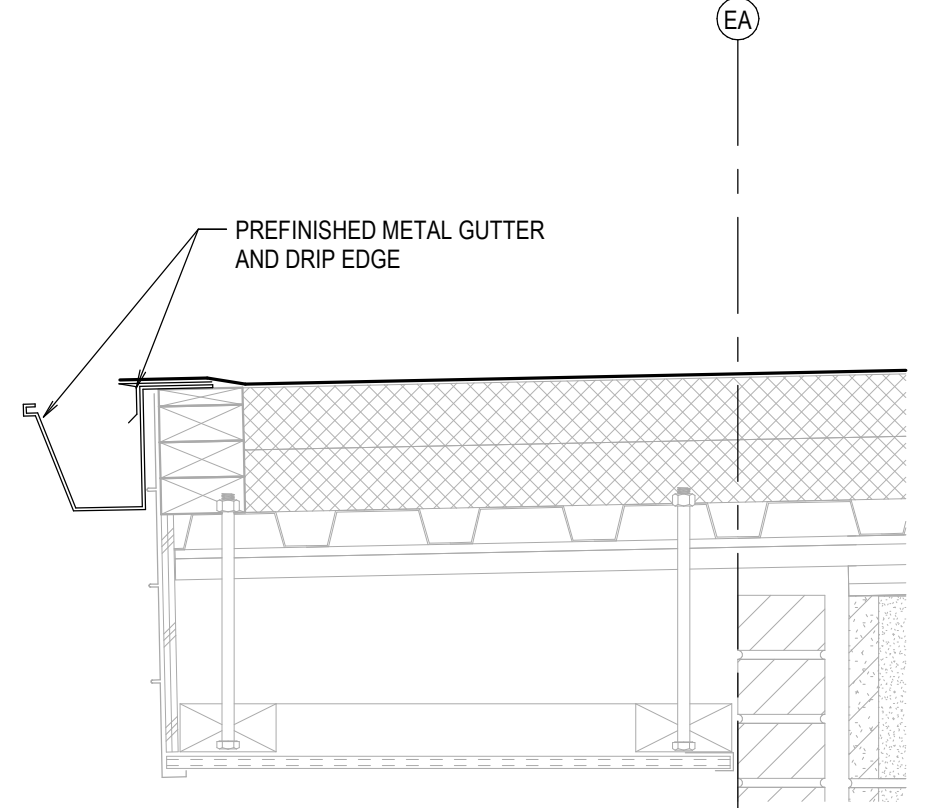
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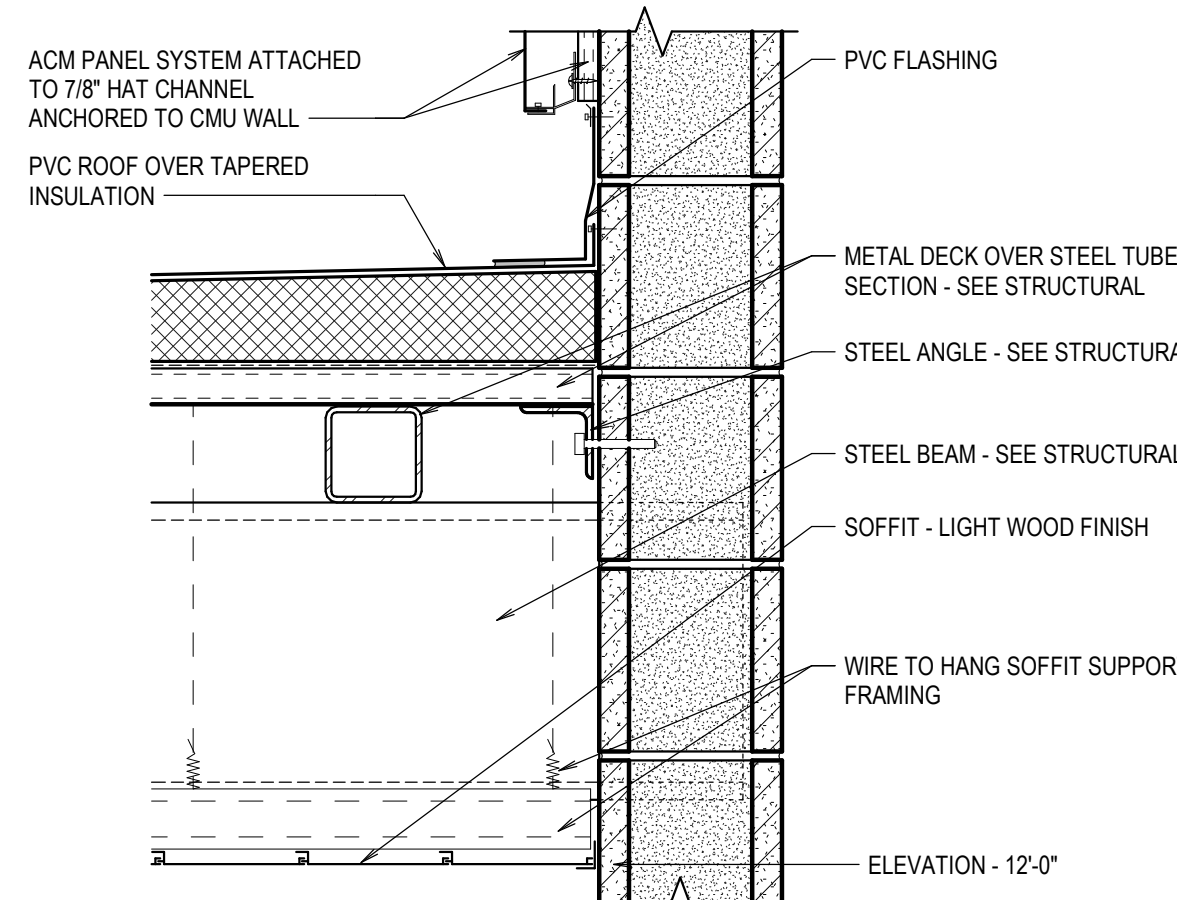
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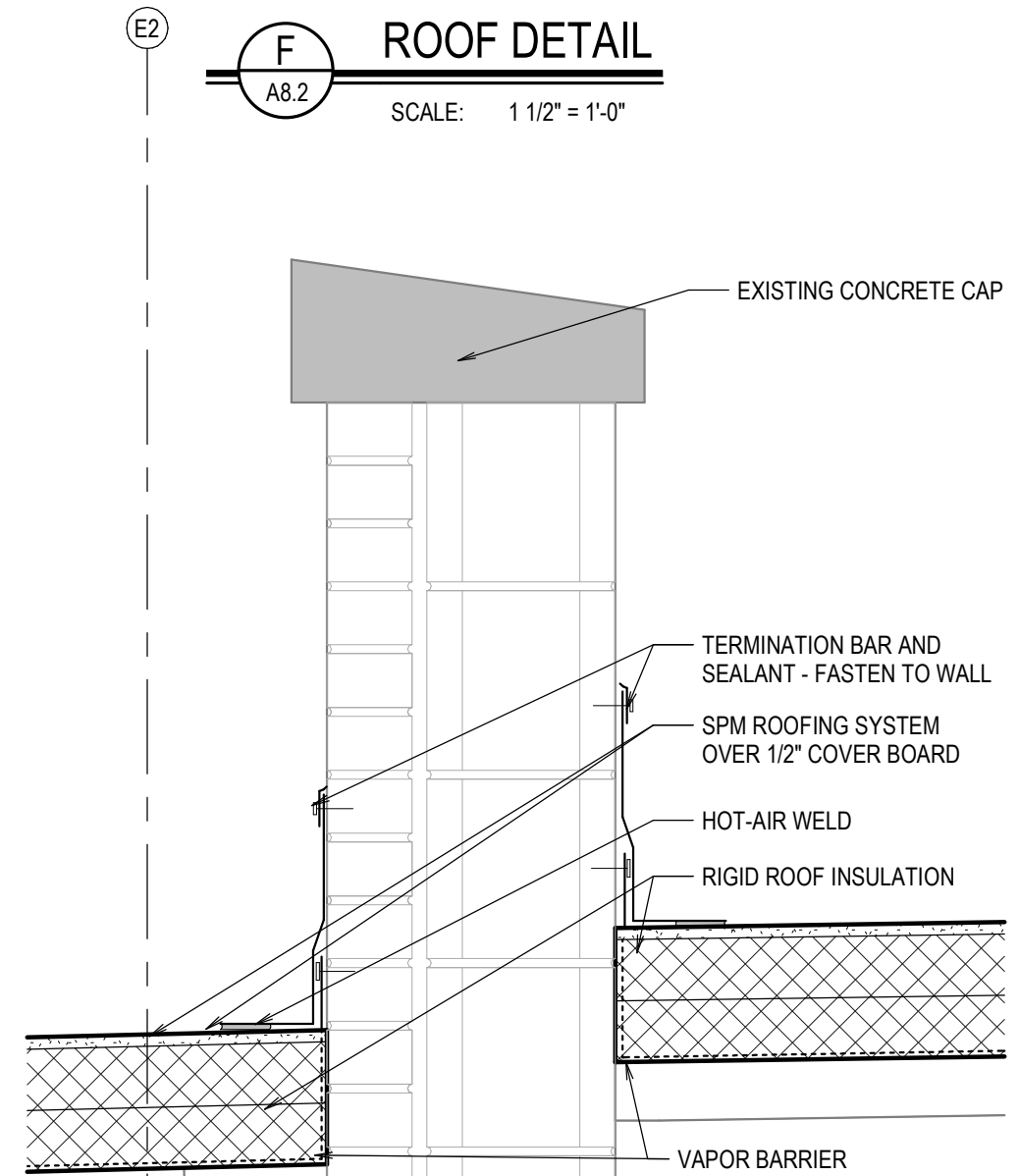
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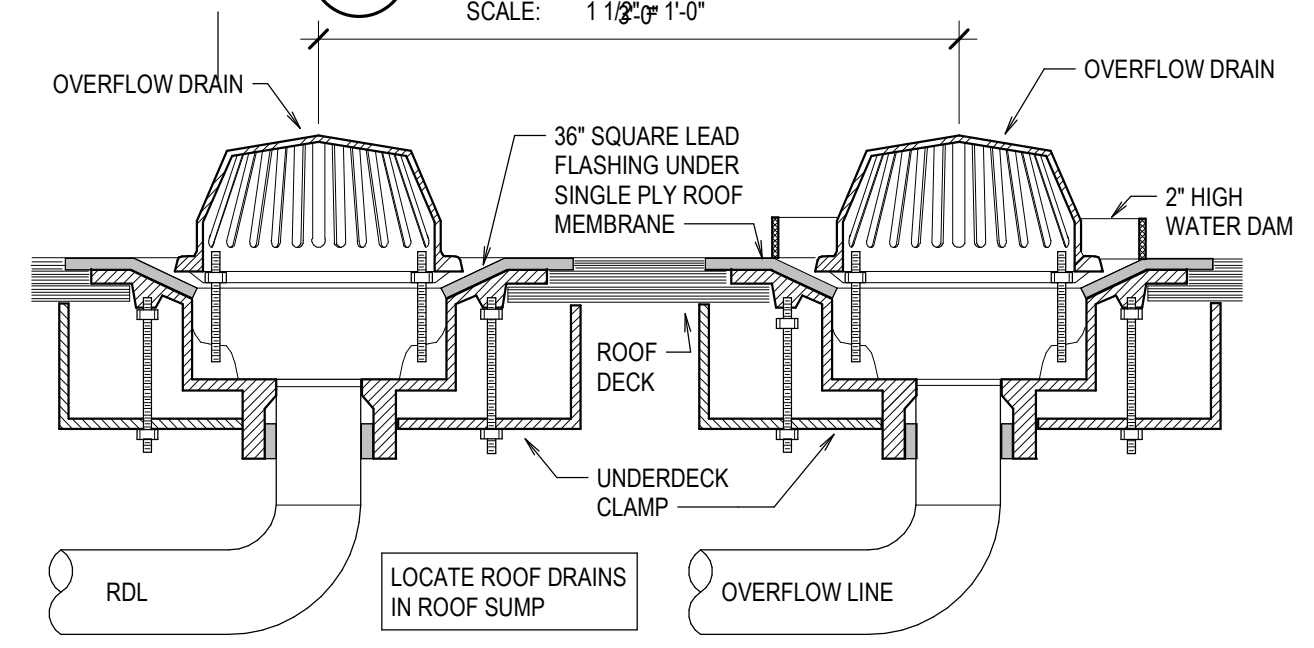
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 SCALE: 1 1/2" = 1'-0"



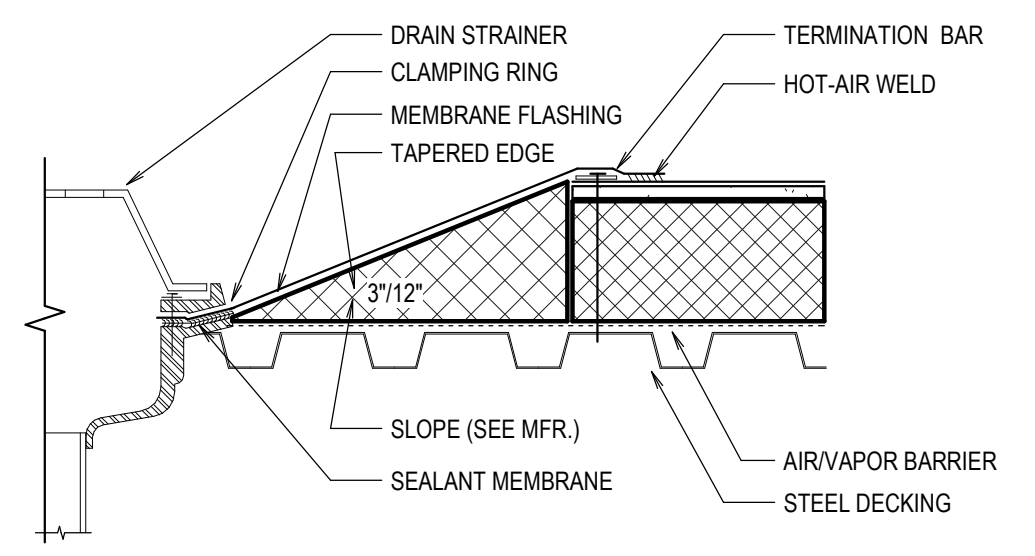
K ROOF DETAIL
 SCALE: 1 1/2" = 1'-0"



L ROOF DETAIL
 SCALE: 1 1/2" = 1'-0"



1 DETAIL
 SCALE: 1" = 1'-0"



2 DETAIL
 SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT
 ARCHITECT
 10300204
 NICHOLAS HANSEN
 STATE OF IDAHO

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: **ROOF DETAILS**

REVISIONS

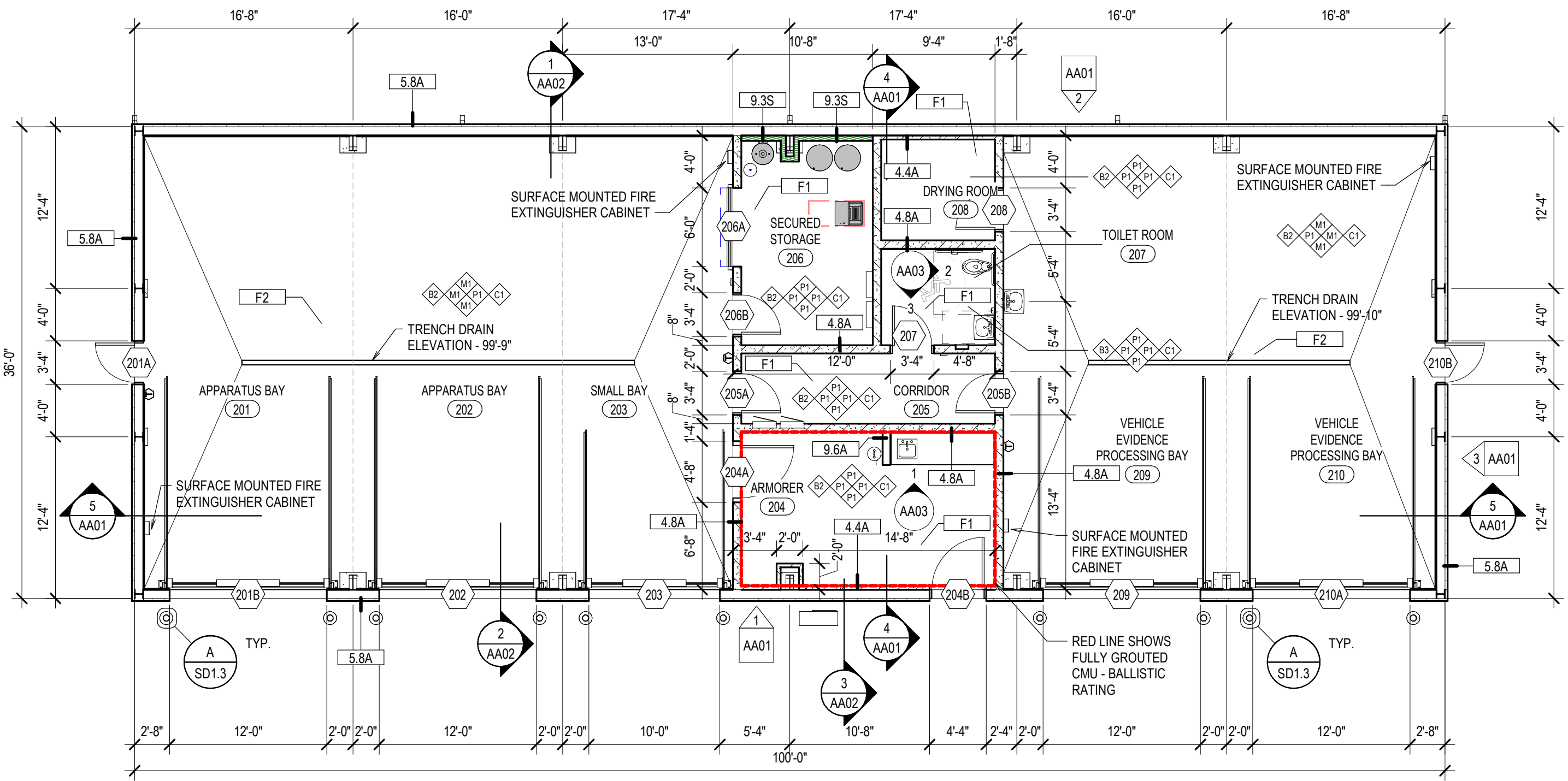
PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

DRAWING NO.:

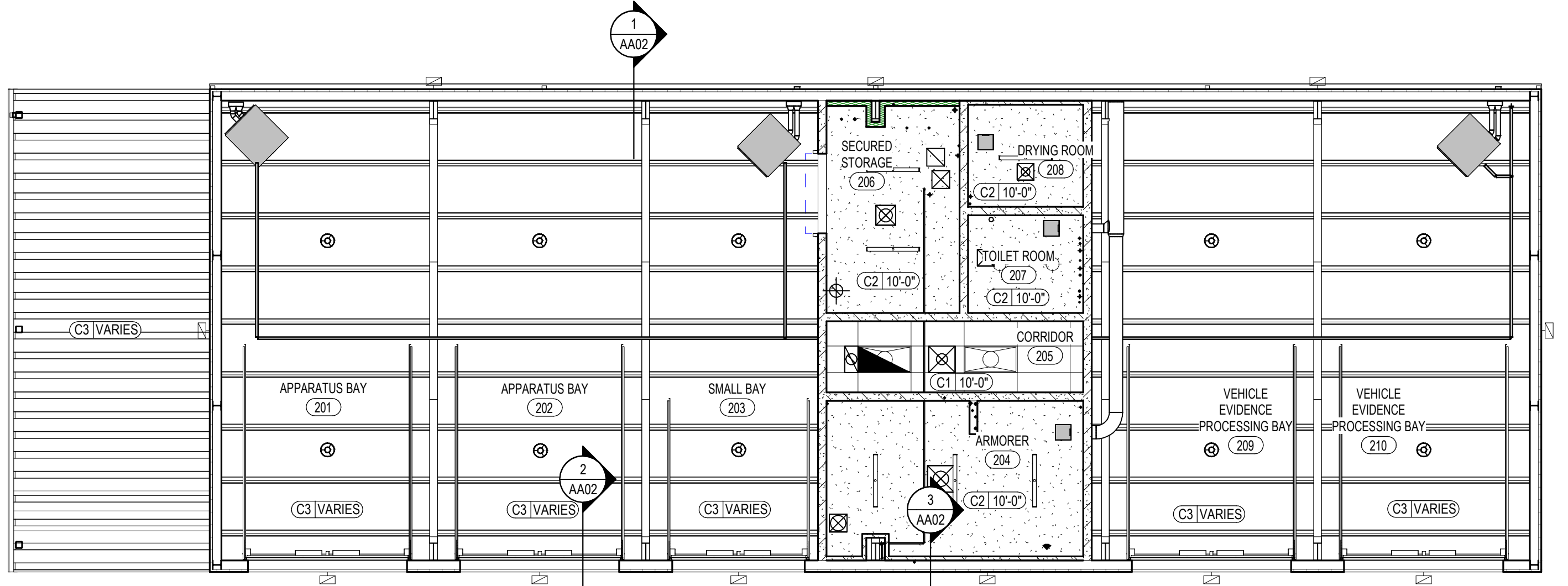
A8.2

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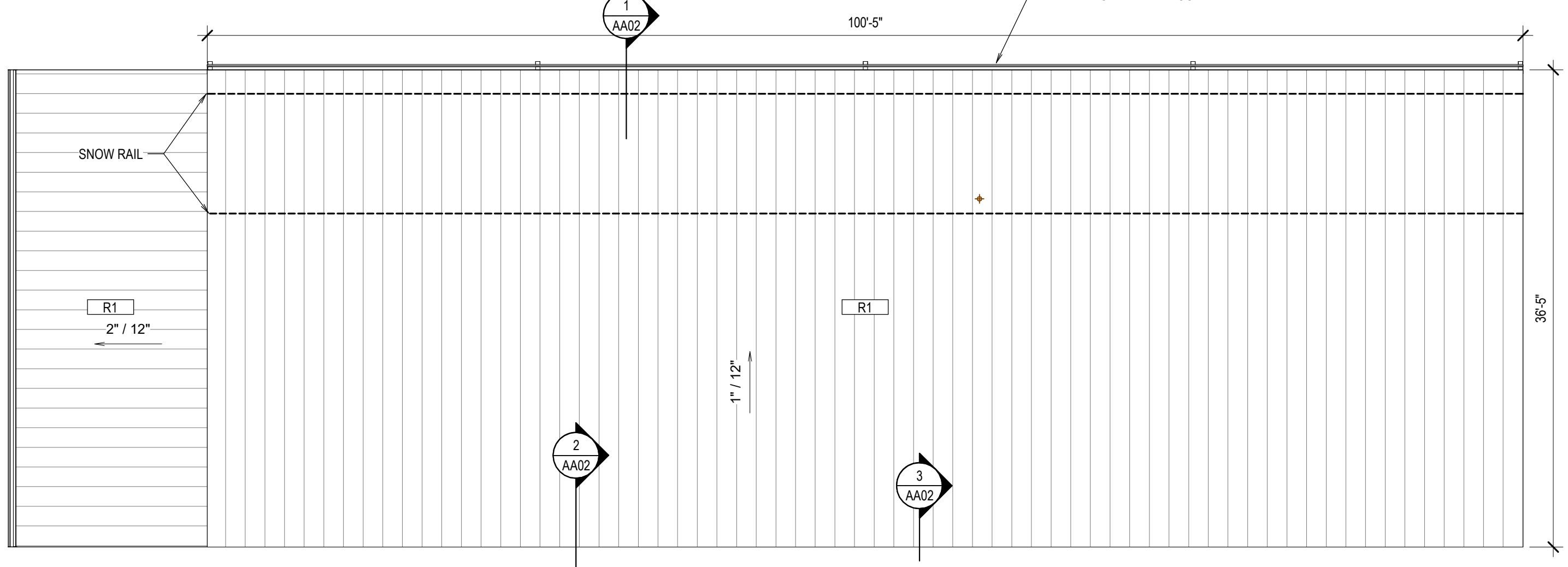
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MAIN LEVEL
 SCALE: 1/8" = 1'-0"



RCP ROLLING ASSETS
 SCALE: 1/8" = 1'-0"



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

CODE ANALYSIS

INTERNATIONAL BUILDING CODE: 2018 IBC
 NATIONAL ELECTRICAL CODE: 2017 NEC
 INTERNATIONAL MECHANICAL CODE: 2018 IMC
 INTERNATIONAL FUEL GAS CODE: 2018
 INTERNATIONAL ENERGY CONSERVATION CODE: 2018
 INTERNATIONAL FIRE CODE: 2018
 IDAHO STATE PLUMBING CODE: 2017

CONSTRUCTION TYPE:
 TYPE II B, FIRE SPRINKLED

BUILDING OCCUPANCY:
 S1 - STORAGE

DESIGN CATEGORY:
 RISK CATEGORY IV (ESSENTIAL FACILITY)

AREA BY OCCUPANCY GROUP:
 MAIN LEVEL
 S1 3,600 SF
 TOTAL 3,600 SF

NON SEPARATED USES PER SECTION 508.3

BUILDING AREA BASED ON NON-SEPARATED USES (SECTION 508.3)
 ALLOWABLE AREA AND HEIGHTS ARE BASED ON THE MOST RESTRICTIVE
 USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS

S1 = MOST RESTRICTIVE USE
 ALLOWABLE SQUARE FOOTAGE S1 70,000 SF
 TOTAL ACTUAL SQUARE FOOTAGE 3,600 SF
 ALLOWABLE HEIGHT 75'-0"
 ACTUAL HEIGHT 20'-0"
 ALLOWABLE NUMBER OF STORIES 3
 ACTUAL NUMBER OF STORIES 1

OCCUPANCY SEPARATION:
 NONSEPARATED PER SECTION 508.3

FIRE RESISTANCE HOUR-RATING FOR BUILDING ELEMENTS (TABLE 601):

TYPE II B, ALL ELEMENTS - 0 HR

EXTERIOR WALL FIRE RESISTANCE HOUR-RATING BASED ON DISTANCE SEPARATION (TABLE 602):

TYPE II B X < 5' FIRE SEPARATION DISTANCE 1 HR
 TYPE II B 5' ≤ X < 10' FIRE SEPARATION DISTANCE 1 HR
 TYPE II B 10' ≤ X < 30' FIRE SEPARATION DISTANCE 0 HR
 TYPE II B X ≥ 30' FIRE SEPARATION DISTANCE 0 HR

BUILDING IS NO CLOSER THAN 35 FEET TO ANY PROPERTY LINE.

OCCUPANT LOAD: AREA FACTOR OCCUPANTS

STORAGE	3,600	300	12
BUILDING TOTAL			12

TRAVEL DISTANCE 300' MAXIMUM - 61'-0" ACTUAL

FIRE FLOW & FIRE HYDRANT CALCULATION:

REQUIRED: 1,000 GPM - 2 HOUR DURATION
 2018 IFC SECTION B105.2, TABLE B105.2

REQUIRED: 1 FIRE HYDRANT FOR FIRE FLOW OF 1,750 GPM OR LESS

LOT & BLOCK DESCRIPTION

1400-1450 FOOTE DRIVE

LAND USE ZONE:

LIGHT MANUFACTURING AND HEAVY COMMERCIAL

BUILDING INFORMATION:

HEIGHT OF BUILDING: 20'-0"
 NUMBER OF STORIES: 1

PLUMBING FIXTURE COUNT - 2017 ISPC

PLUMBING FIXTURE CALCULATION S-1

TOTAL OCCUPANT LOAD	WC MALE (1:1-100)	WC FEMALE (1:1-100)	URINAL (NR)	LAV MALE (1:1-200)	LAV FEMALE (1:1-200)	DRINKING FOUNTAINS (1:1-250)
4	1	1	NR	1	1	0
TOTAL REQUIRED	1	1	NR	1	1	0
TOTAL PROVIDED	1	1	NR	3	3	0

ALL LOADS DIVIDED IN HALF FOR MALE/FEMALE
 *DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 30 OR LESS PER 2017 ISPC 415.2

FINISH SCHEDULE KEY

PAINT - SHERWIN WILLIAMS
 P1 - SW7008 EXTRA WHITE

METAL BUILDING SYSTEMS
 M1 - METAL LINER PANEL TO FIRST GIRT WITH VINYL SCRIM ABOVE
 M2 - METAL LINER PANEL FULL HEIGHT

CONCRETE FLOOR
 C1 - POLISHED/SEALED CONCRETE

TILE - AMERICAN OLEAN
 T2 - COLOR STORY - MATTE STORM GRAY 0017 12X24

BASE - ROPPE
 B2 - 4" COVE BASE - BLACK
 B3 - 6" CERAMIC TILE WITH SCHULTER TRIM

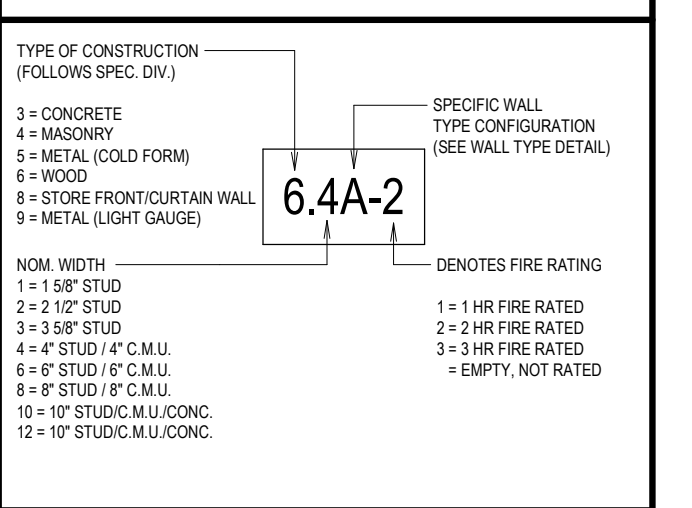
GENERAL NOTES

- THE CONTRACTOR OR PEMB MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF THE BUILDING STRUCTURE.
- THE CONTRACTOR OR PEMB MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF ALL FOOTINGS, FOUNDATIONS, AND SLABS RELATED TO THE BUILDING STRUCTURE.

FLOOR, WALL, ROOF, AND CEILING TYPES

- F1 4" CONCRETE SLAB-ON-GRADE
- F2 6" CONCRETE SLAB-ON-GRADE
- 4.4A 4"x8"x16" CMU
- 4.8A 8"x8"x16" CMU
- 5.8A BYPASS R-30 PRE-FINISHED 26 GA. METAL WALL PANEL VINYL REINFORCED FIBERGLASS BAG INSULATION 8" Z' GIRT BYPASS FRAMING SYSTEM VINYL FACED FIBERGLASS BATT INSULATION AND METAL STRAPPING INTERIOR LINER PANEL
- 9.3S 3 5/8" METAL STUD FRAMING EXPANDED METAL MESH 5/8" GYPSUM BOARD
- 9.6A 6" METAL STUD PARTITION WITH GYPSUM BOARD ON BOTH SIDES
- C1 SUSPENDED ACOUSTICAL CEILING - 2X4 PANEL SIZE
- C2 SUSPENDED GYPSUM CEILING
- C3 EXPOSED STRUCTURE - PAINTED
- R1 STANDING SEAM METAL ROOF - DOUBLE LOCK SEAM VINYL REINFORCED FIBERGLASS BAG INSULATION 8" Z' GIRT BYPASS FRAMING SYSTEM VINYL FACED FIBERGLASS BATT INSULATION AND METAL STRAPPING

WALL TAG KEY



LICENSED ARCHITECT
 10/30/2024
 NICHOLAS HANSEN
 STATE OF IDAHO

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REMODEL FOR:
 DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:
 ROLLING ASSETS ADD ALTERNATE #1

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NRH/BTH/JNH
 CHECKED BY:
 NRH

DRAWING NO.:

AA00

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KEYNOTE LEGEND	
312	BOND BREAK MATERIAL
703	AIR INFILTRATION BARRIER
719	METAL GUTTER
3100	ENGINEERED FILL



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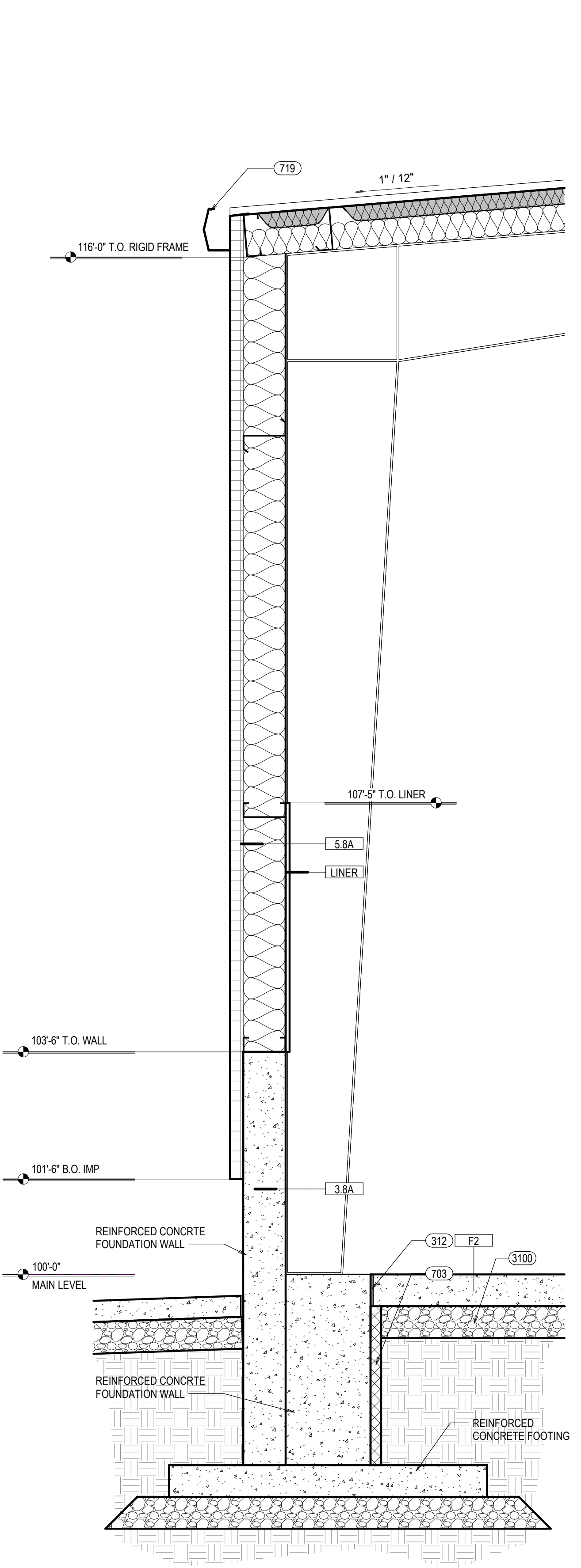
REMODEL FOR:
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 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 PROJECT: _____
 SHEET TITLE: ROLLING ASSETS ADD ALTERNATE #1

NO.	REVISIONS

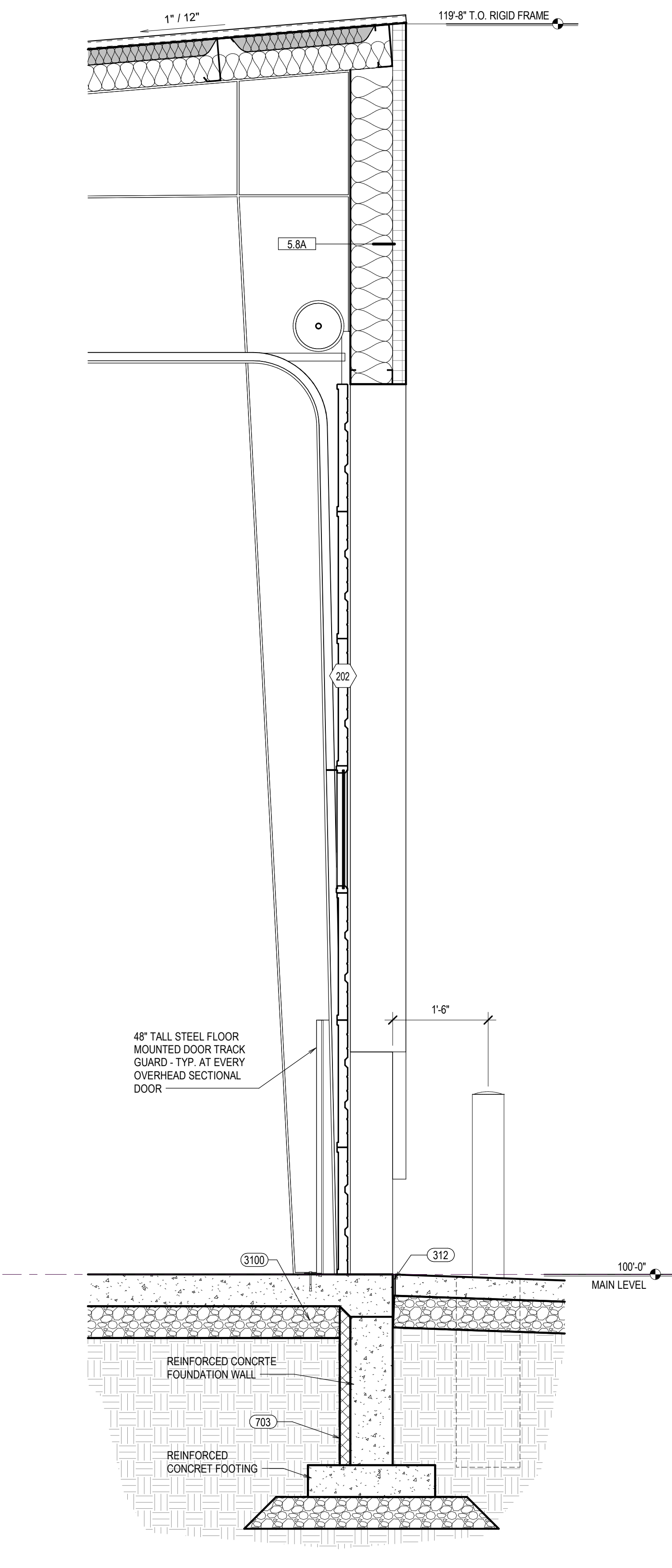
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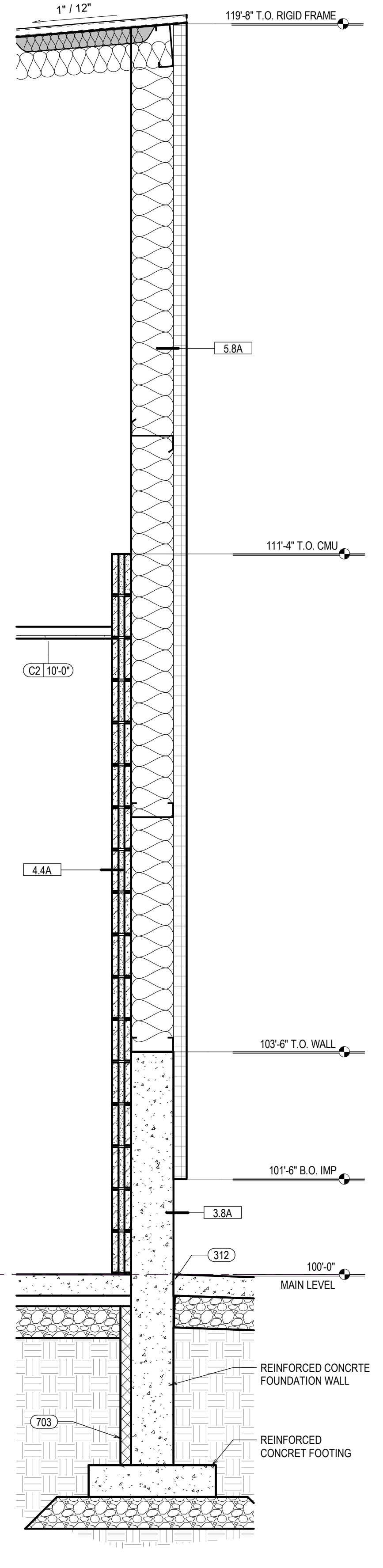
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1 WALL SECTION
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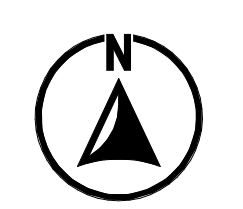
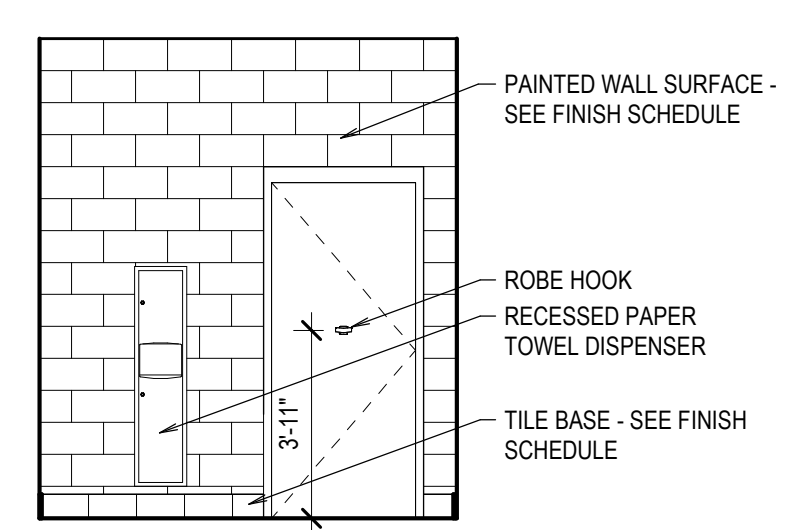
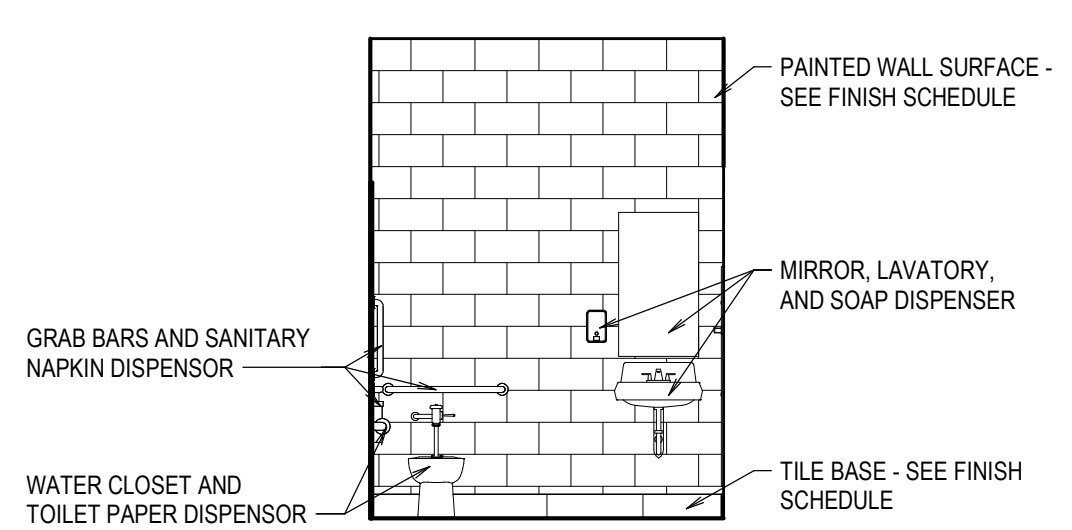
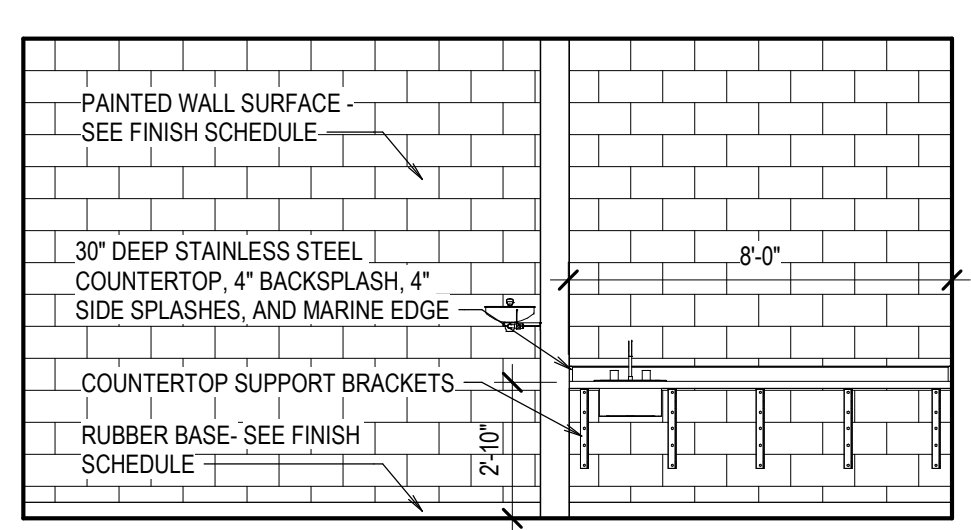
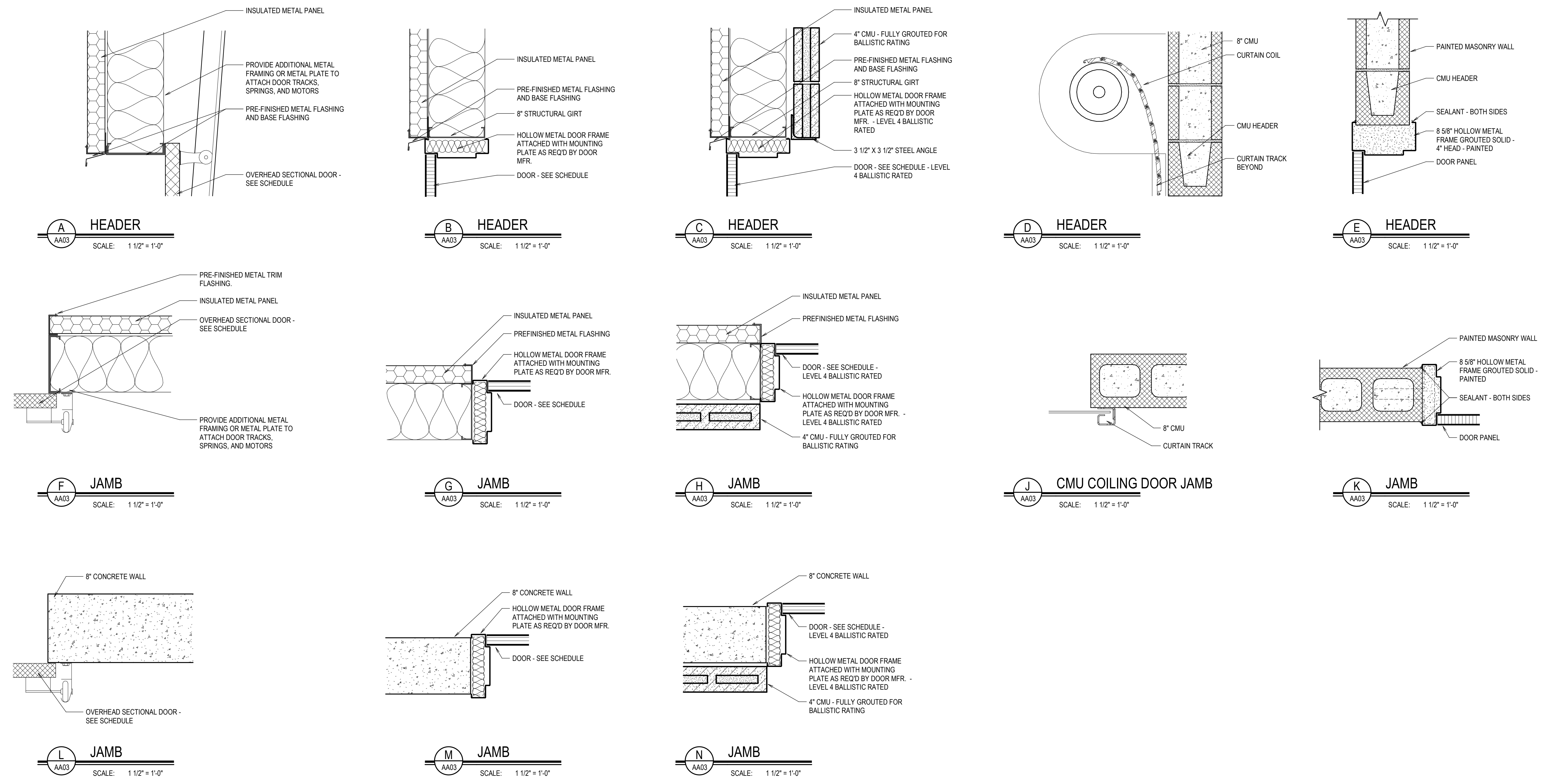


2 WALL SECTION
 SCALE: 3/4" = 1'-0"



3 WALL SECTION
 SCALE: 3/4" = 1'-0"

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

SHEET TITLE: **ROLLING ASSETS ADD ALTERNATE #1 DETAILS**

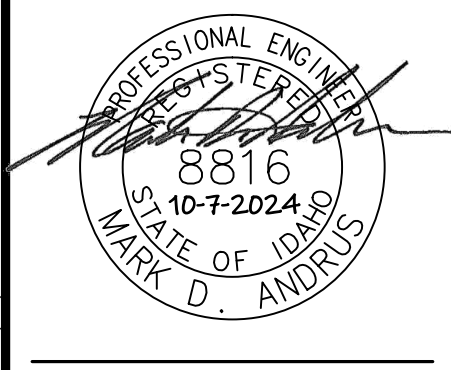
PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NRH/BTH/JNH
 CHECKED BY: NRH

DRAWING NO.:

AA03

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 Division of Building Safety

These Documents are approved with the understanding that the contractor shall be responsible for compliance with the applicable codes and rules applicable to this project.



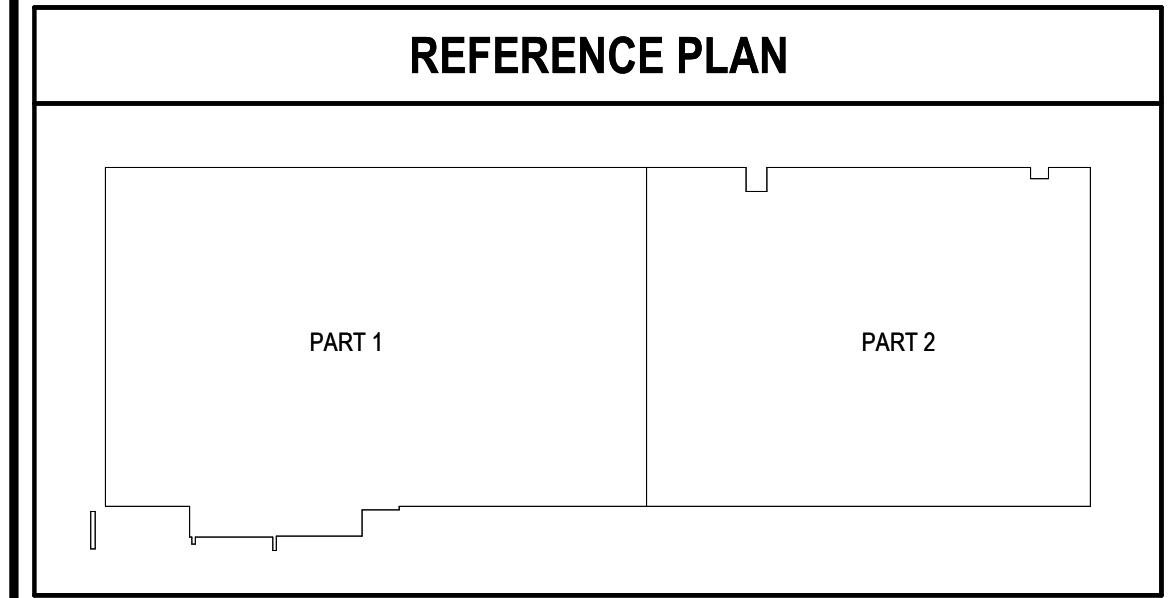
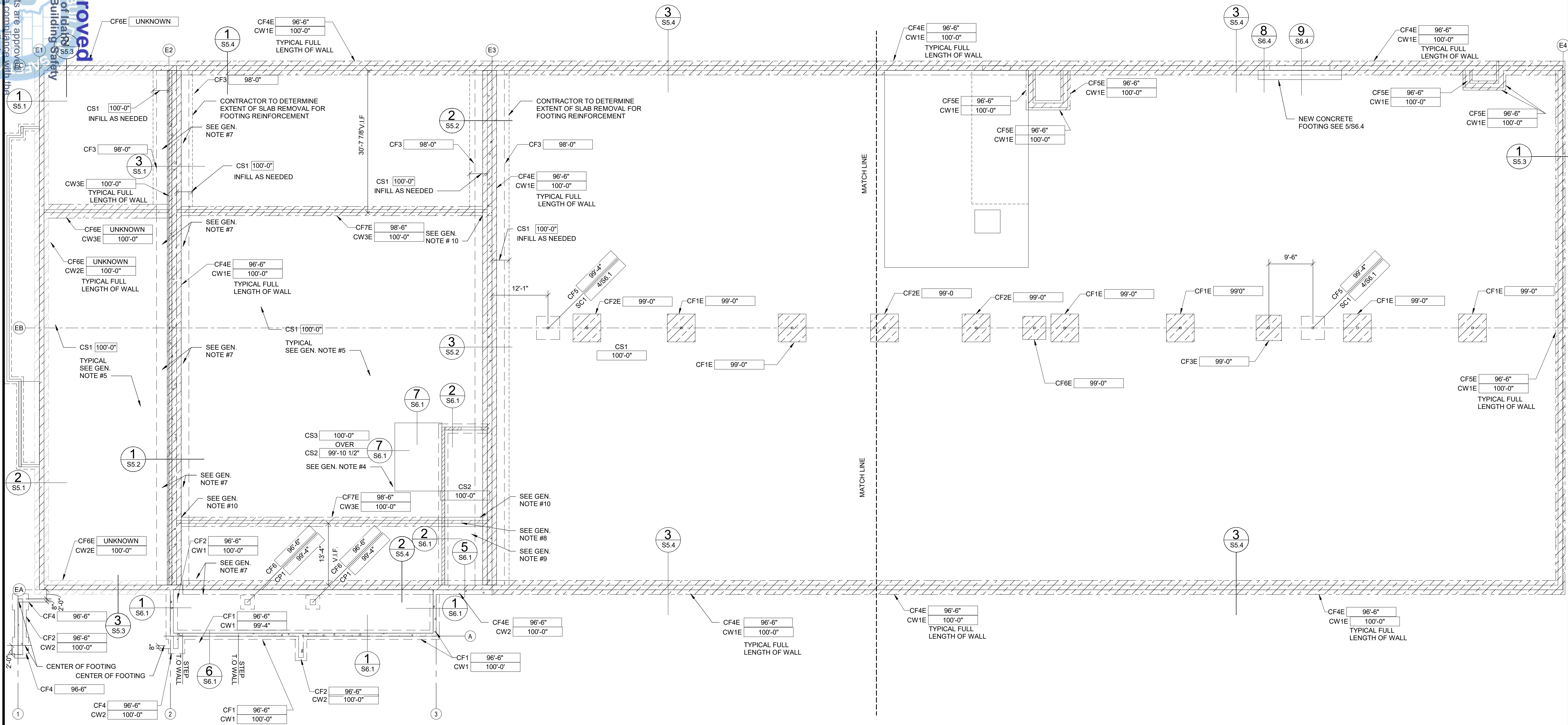
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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 FOUNDATION PLAN

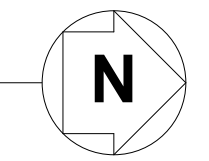
PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY

PROJECT NO. 24024
 DATE: OCTOBER 2024
 DRAWN BY: BC
 CHECKED BY: MA
 DRAWING NO.:

S2.1



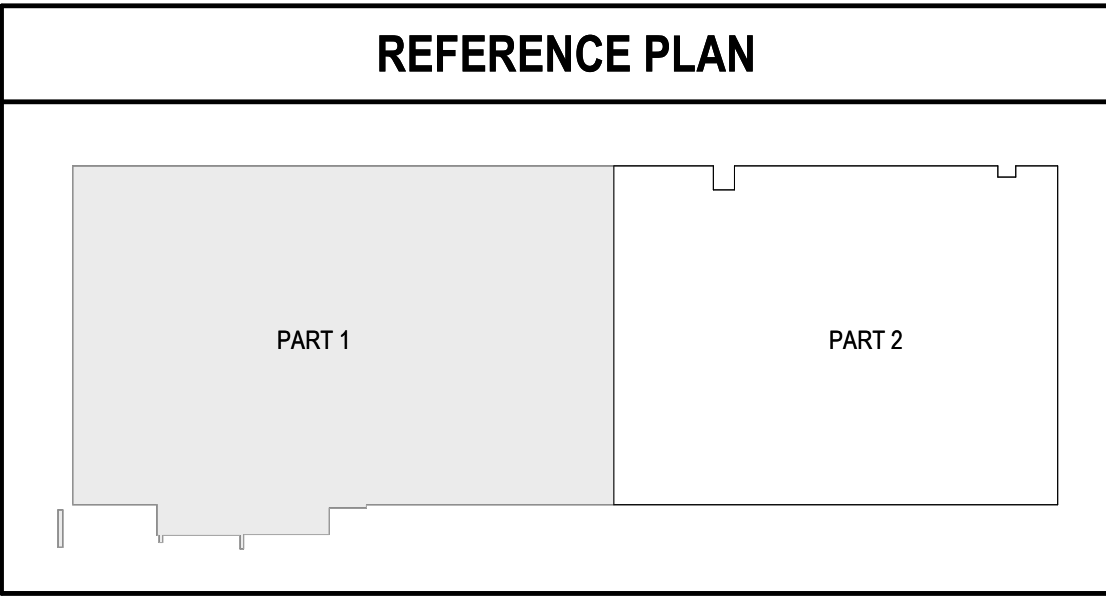
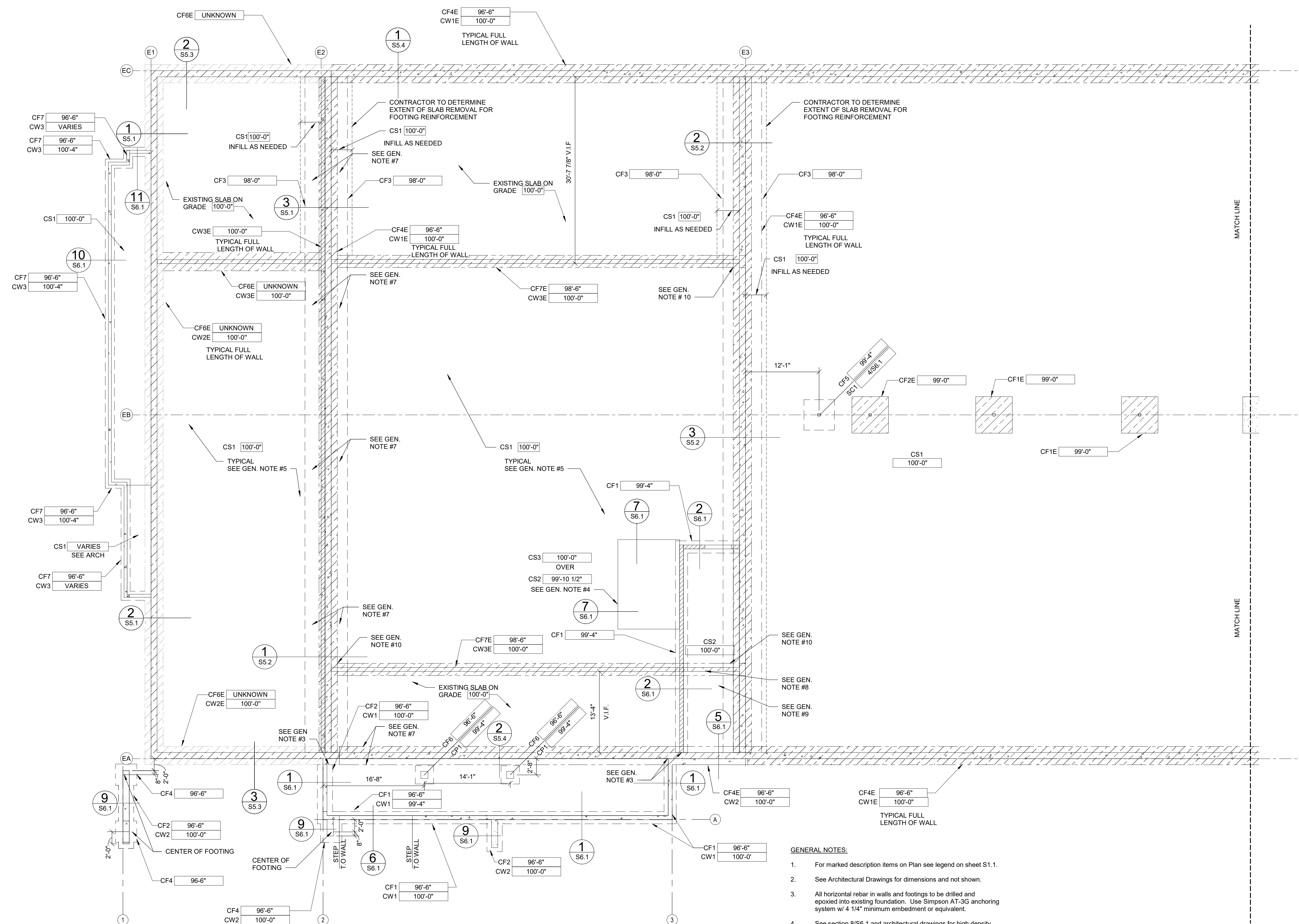
FOUNDATION PLAN
 3/32" = 1'-0"



- GENERAL NOTES:**
- For marked description items on Plan see legend on sheet S1.1.
 - See Architectural Drawings for dimensions and not shown.
 - All horizontal rebar in walls and footings to be drilled and epoxied into existing foundation. Use Simpson AT-3G anchoring system w/ 4 1/4" minimum embedment or equivalent.
 - See section 8/S6.1 and architectural drawings for high density storage rack requirements.
 - Existing concrete slab on grade at approximately 98'-5". New compacted fill and new CS1 to be constructed at elevation 100'-0"
 - At new exterior footings the maximum top of footing elevation is 97'-0". Match the existing footing elevation if the existing footing elevation is deeper.
 - Concrete slab on grade to be thickened at wall opening for column base plates. See wall plans, elevations and associated sections.
 - Remove existing concrete wall as required for new concrete floor.
 - Remove existing concrete floor and replace with CS2 concrete floor.
 - Remove existing concrete footing as required for new concrete footing reinforcement

G&S STRUCTURAL ENGINEERS
 505 LINDSAY BOULEVARD
 IDAHO FALLS, IDAHO 83402
 PHONE: (208) 523-6918
 E-MAIL: gse@gsengineers.net COPYRIGHT 2024
 PROJECT NUMBER: 24024
 DRAFTER: BC DESIGNER: MA CHECKER:

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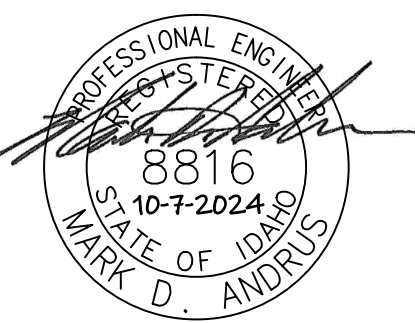


FOUNDATION AREA 1
 1/8" = 1'-0"

GENERAL NOTES:

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- Remove existing concrete footing as required for new concrete footing reinforcement.

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 FOUNDATION PLAN AREA ONE

PROJECT:
 SHEET TITLE:

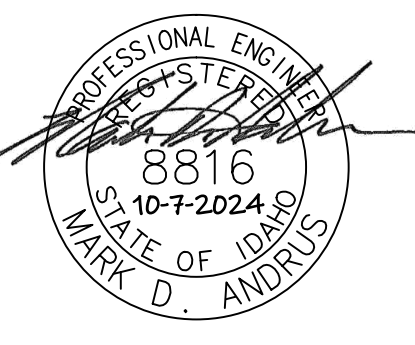
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NO.	DESCRIPTION

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S2.2



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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 FOUNDATION PLAN AREA TWO

PROJECT:
 SHEET TITLE:

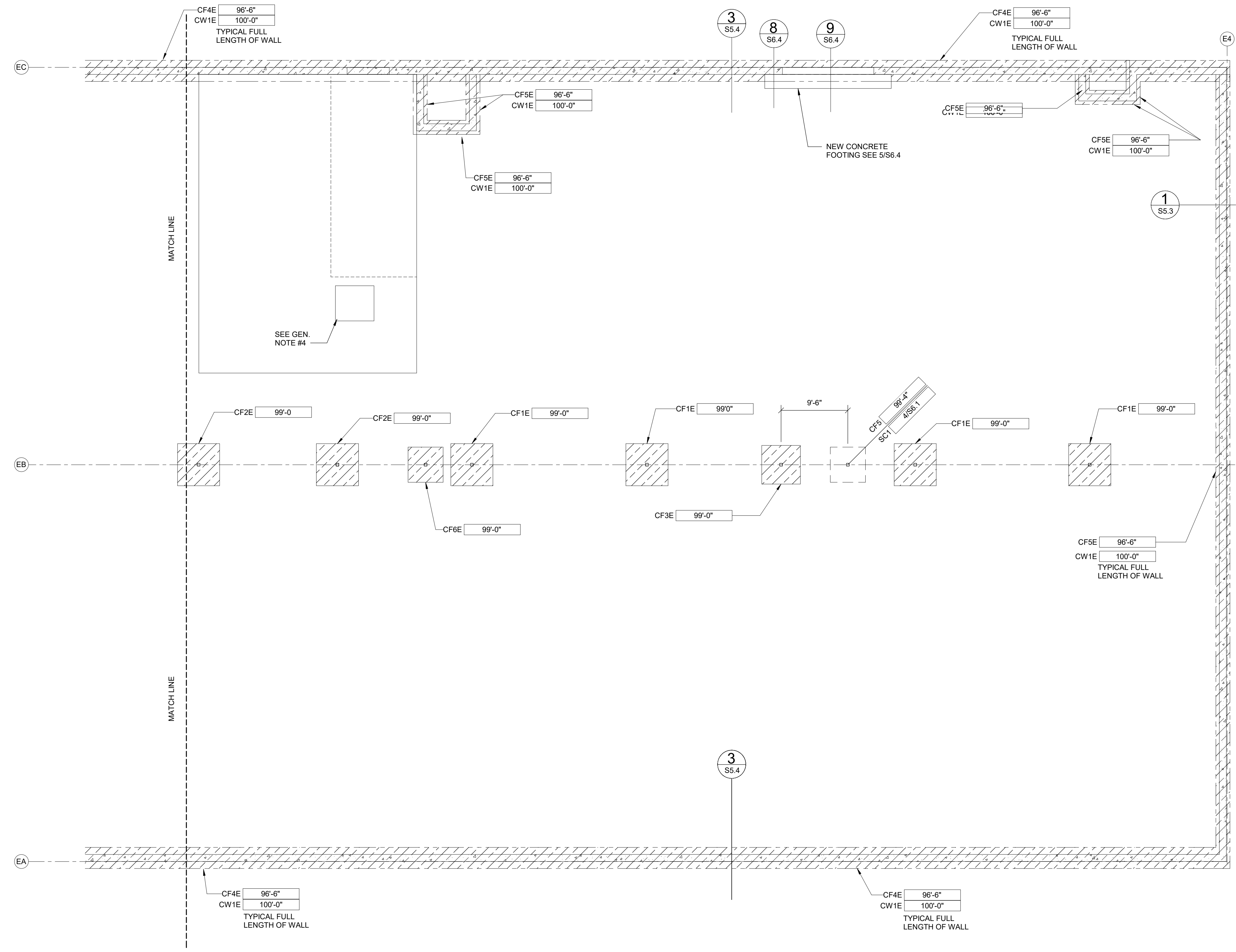
REVISIONS

NO.	DESCRIPTION

PROJECT NO.
 24024
 DATE:
 OCTOBER 2024
 DRAWN BY:
 BC
 CHECKED BY:
 MA

DRAWING NO.:

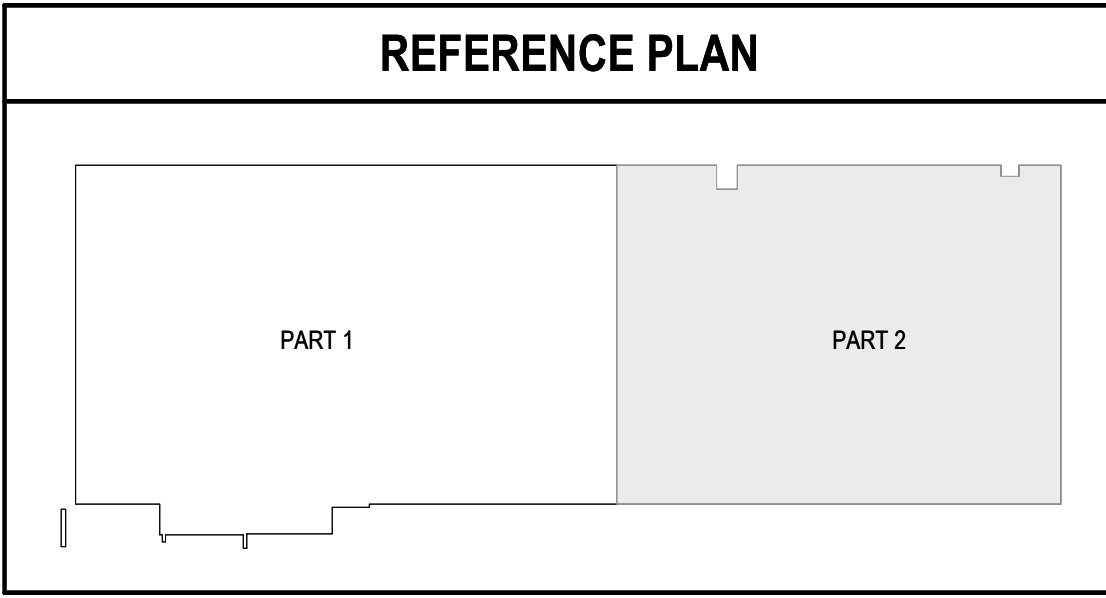
S2.3



FOUNDATION AREA 2
 1/8" = 1'-0"

- GENERAL NOTES:**
- For marked description items on Plan see legend on sheet S1.1.
 - See Architectural Drawings for dimensions and not shown.
 - All horizontal rebar in walls and footings to be drilled and epoxied into existing foundation. Use Simpson AT-3G anchoring system w/ 4 1/4" minimum embedment or equivalent.
 - Provide concrete house keeping slabs under mechanical and electric equipment. Reinforce slab per CSI requirements. Provide a minimum 4 rebar dowels from the existing slab into the new slab. Reference mechanical and electrical drawings for height, size and location.

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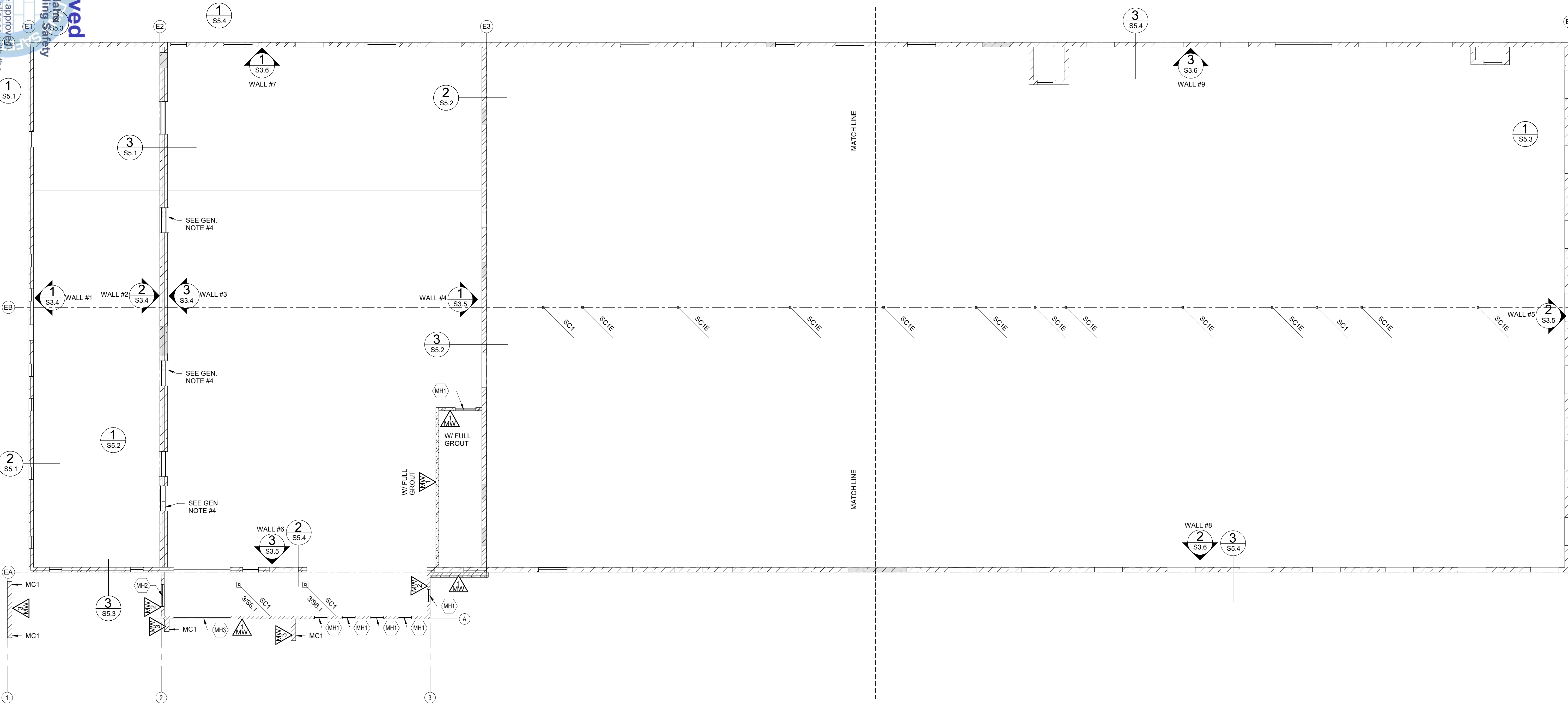
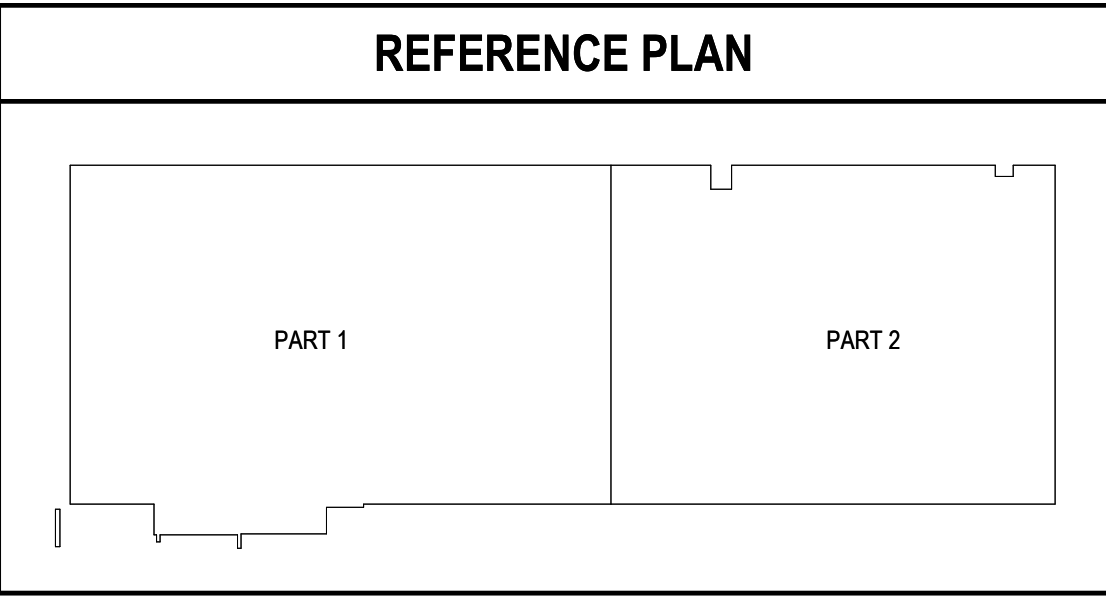
These Documents are approved
 in accordance with the compliance with the
 code requirements and notes applicable.
 This approval shall not be construed to be
 an approval of any violation of, or variance
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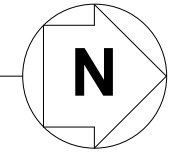
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Division of Building Safety

These Documents are approved in accordance with the provisions of the Idaho Building Code and the rules and regulations of the Idaho State Board of Building and Fire Code Officials.

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WALL FRAMING PLAN
3/32" = 1'-0"



- GENERAL NOTES:**
- For marked description items on Plan see legend on sheet S1.1.
 - See Architectural Drawings for dimensions not shown.
 - See Foundation Plan for embeds @ top of concrete walls or piers.
 - Saw cut opening to be partially infilled with 8" CMU. See wall elevations.

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

SHEET TITLE:
WALL FRAMING PLAN

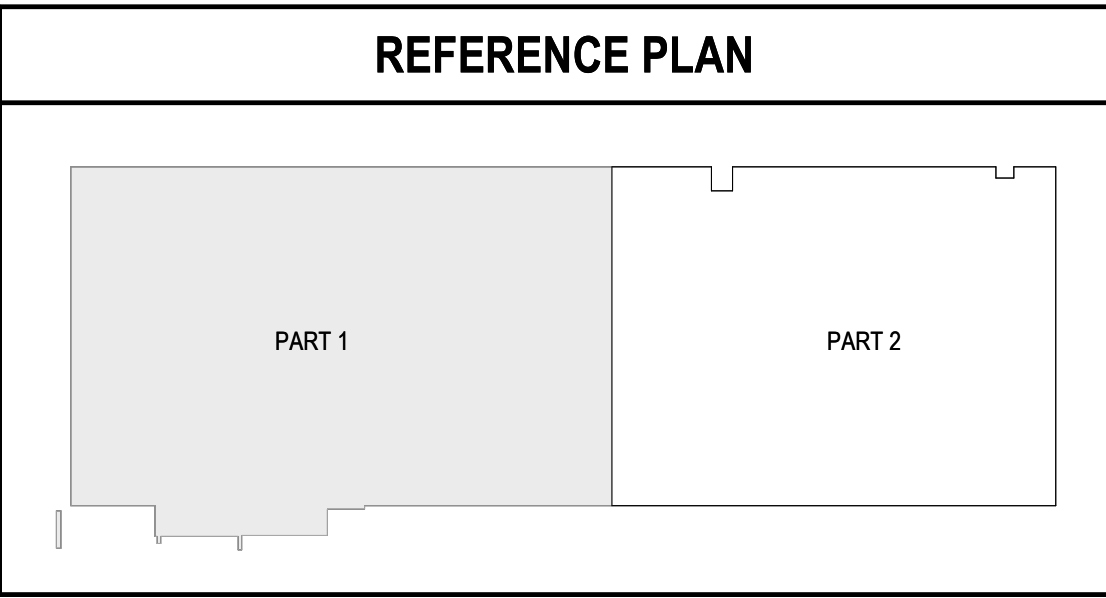
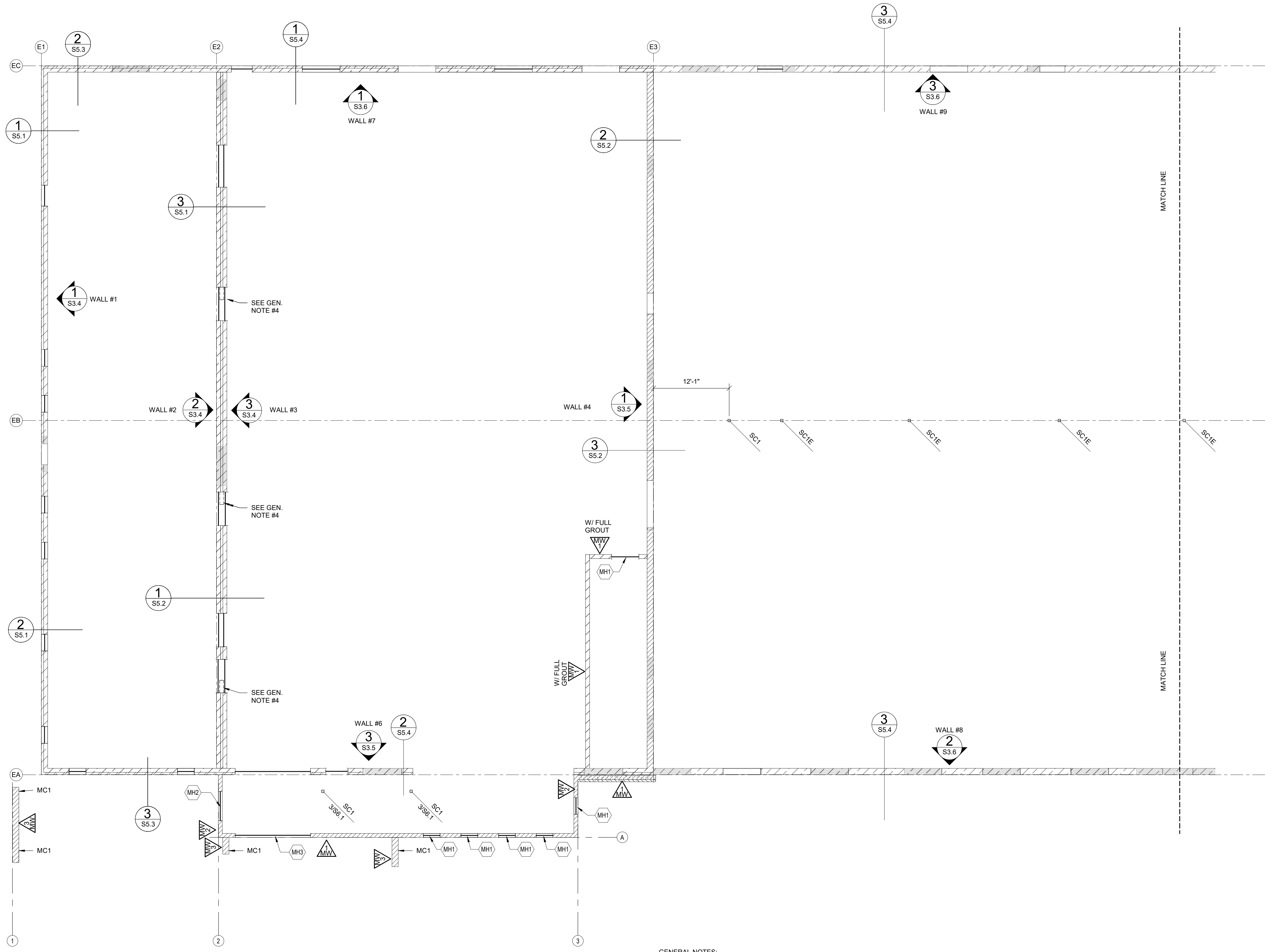
PROJECT:

NO.	DATE	DESCRIPTION

PROJECT NO. 24024
DATE: OCTOBER 2024
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S3.1

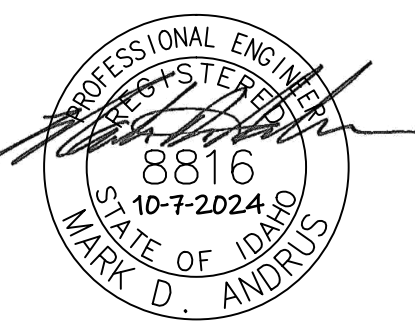
Approved
 State of Idaho
 Division of Building Safety
 PA 24024
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WALL FRAMING PLAN AREA 1
 1/8" = 1'-0"

- GENERAL NOTES:**
1. For marked description items on Plan see legend on sheet S1.1.
 2. See Architectural Drawings for dimensions not shown.
 3. See Foundation Plan for embeds @ top of concrete walls or piers.
 4. Saw cut opening to be partially infilled with 8" CMU. See wall elevations.

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 WALL FRAMING PLAN AREA 1

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: WALL FRAMING PLAN AREA 1

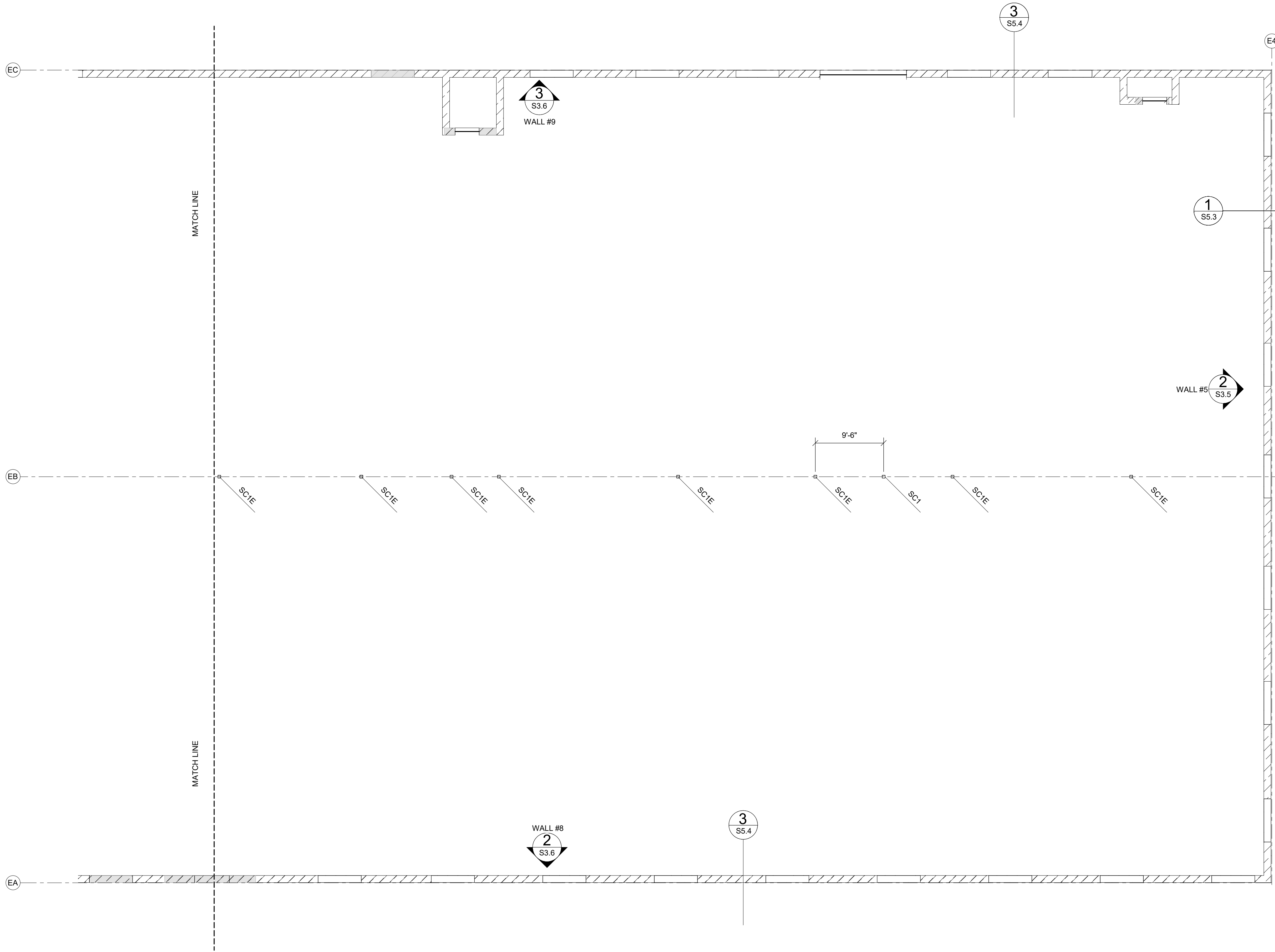
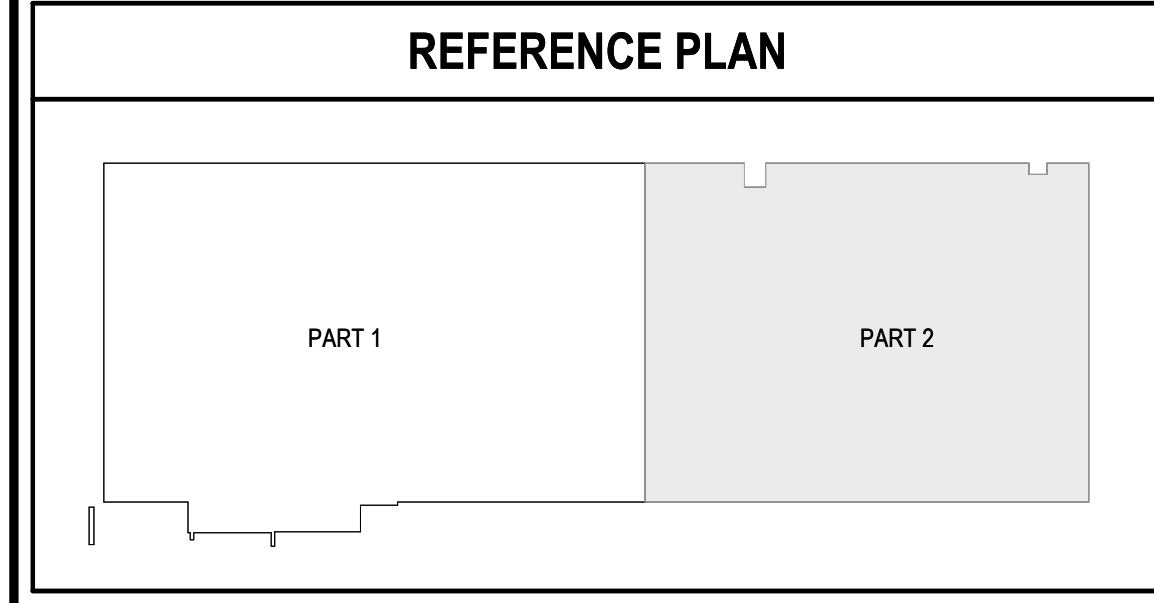
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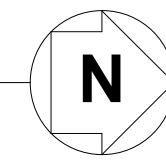
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S3.2



WALL FRAMING PLAN AREA 2

1/8" = 1'-0"



GENERAL NOTES:

1. For marked description items on Plan see legend on sheet S1.1.
2. See Architectural Drawings for dimensions not shown.
3. See Foundation Plan for embeds @ top of concrete walls or piers.

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PROJECT: REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

SHEET TITLE: WALL FRAMING PLAN AREA 2

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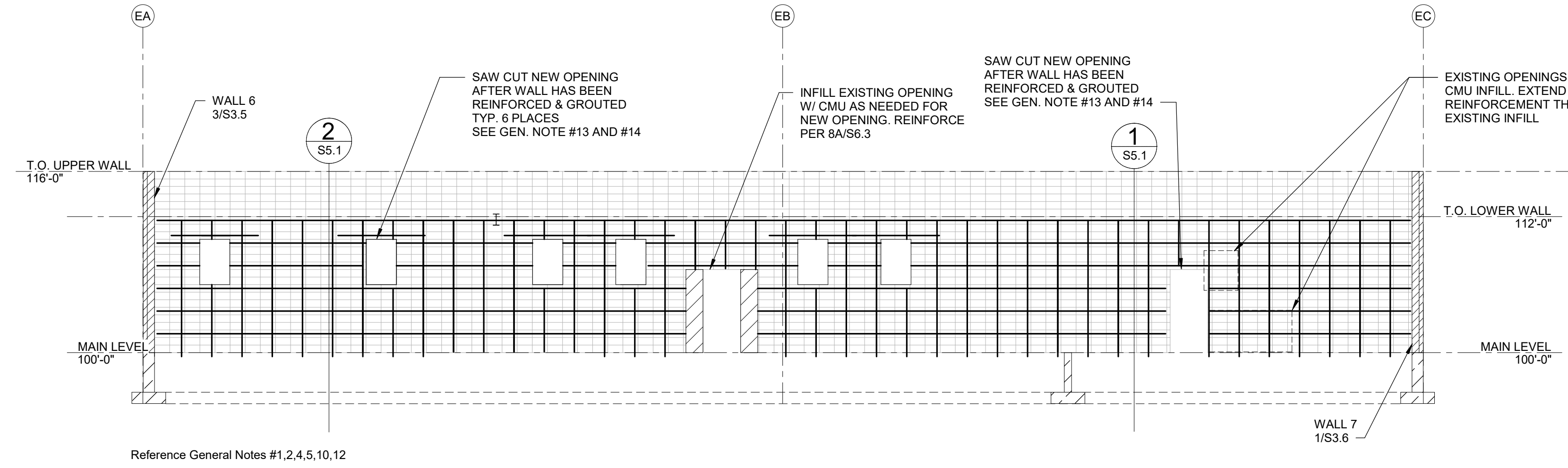
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State of Idaho
Division of Building Safety

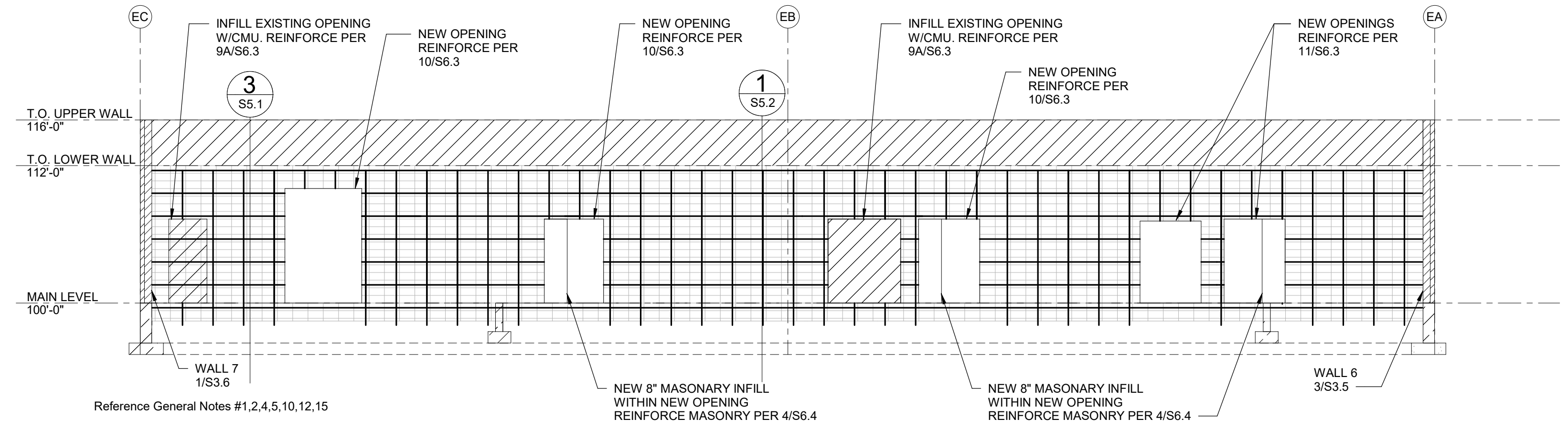
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Date: 10/7/2024

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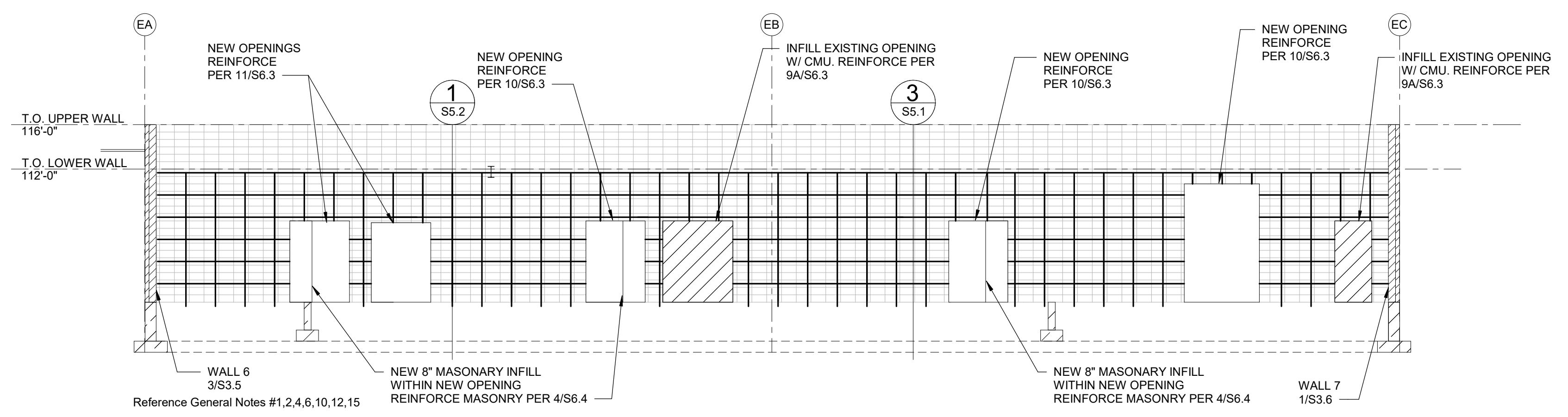
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WALL 1 ELEVATION 1
 1/8" = 1'-0" S3.4



WALL 2 ELEVATION 2
 1/8" = 1'-0" S3.4



WALL 3 ELEVATION 3
 1/8" = 1'-0" S3.4

MASONRY WALL ELEVATIONS

- GENERAL NOTES:**
- It is the contractor's responsibility to verify the extents of the existing vertical and horizontal rebar and add rebar as specified. The wall is to be saw cut as necessary to install the specified vertical and horizontal rebar in grout filled cells or fully grouted walls. New vertical rebar is to extend from the foundation to the underside of the roof structure. The new vertical rebar is to be anchored to the foundation wall below with Simpson AT-3G adhesive with 4 1/4" embed (or equivalent). New openings in the existing wall shall have 1-#5 vertical on each side of the opening.
 - The existing masonry wall is constructed with a stack bond lay-up. The minimum rebar requirements are #5 vertical at 24" o.c. and #4 horizontal @ 24" o.c. All stack bond walls are to be grouted solid.
 - The existing masonry wall is constructed with a running bond lay-up. The minimum rebar requirements are #5 vertical at 32" o.c. and #5 horizontal at 48" o.c. All rebar to be in grouted cells.
 - Based upon limited testing the existing vertical rebar is predicted to be #5 vertical at 32" o.c. Contractor to add #5 vertical at 32" o.c. between the existing. The spacing/location of the new vertical rebar is shown as a reference only and shall be verified by the contractor. Wall is to be grouted solid.
 - Based upon limited testing the existing horizontal rebar is predicted to be in bond beams located 4', 8' and 12' above finished floor. Contractor to verify and add #4 horizontal rebar as required to ensure a 24" o.c. maximum spacing. Wall is to be grouted solid.
 - Based upon limited testing the existing horizontal rebar is predicted to be 2-#4 in lintel block bond beams located at 9' and 12' above finished floor. Contractor to verify and add #4 horizontal as required to ensure a 24" o.c. maximum spacing. Wall is to be grouted solid.
 - Based upon limited testing the existing horizontal rebar is predicted to be 2-#4 in lintel block bond beams located at 9' above finished floor. Contractor to verify and add #4 horizontal as required to ensure a 24" o.c. maximum spacing. Wall is to be grouted solid.
 - Based upon limited testing the existing vertical rebar is predicted to be #5 vertical at 32" o.c. Contractor to verify and add #5 vertical as required to ensure a 32" o.c. spacing. Rebar to be in grouted cells.
 - Based upon limited testing the existing horizontal rebar is predicted to be 2-#4 in lintel block bond beams located at 4', 9' and 12' above finished floor. Contractor to verify and add #5 horizontal at or near 7'-8" and as required to ensure a 48" o.c. maximum spacing. Rebar is to be in grouted cells.
 - 'E' within an opening space denotes an existing opening to remain. Hatched areas denote an existing opening to be infilled or partially infilled with new masonry see sections 8 & 8A/S6.3 and 9 & 9A/S6.3
 - Existing opening and header. Contractor to verify rebar and grout above existing and report findings to architect of record and/or engineer of record. Provide as part of the bid the same process described in notes #4 and #6.
 - Contractor is responsible to shore the existing roof and wall structure as required until the wall and new openings are reinforced, grouted and cured. Any and all design for the shoring shall be done by the contractor and/or an engineer hired by the contractor.
 - New opening to receive a L4x4x1/4 veneer lintel angle for the exterior veneer. Lintel angle to be cut into the veneer with 5" minimum bearing at each end. Veneer to be patched as necessary.
 - Add 1-#5 horizontal above opening and extend a minimum 2'-6" past the edge of the opening on each side.
 - All reinforcing placement and grouting efforts of the existing walls are to receive special inspection per the "Structural Masonry Construction Inspections" on sheet S1.2

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 MASONRY WALL ELEVATIONS

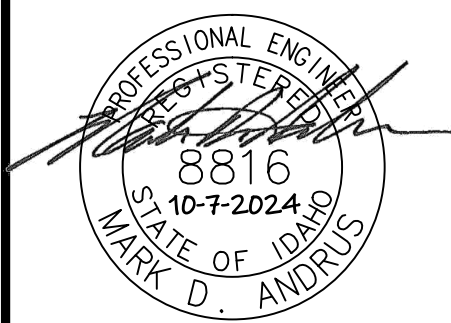
PROJECT:
 SHEET TITLE:

REVISIONS

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S3.4



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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 MASONRY WALL ELEVATIONS

PROJECT:
 SHEET TITLE:

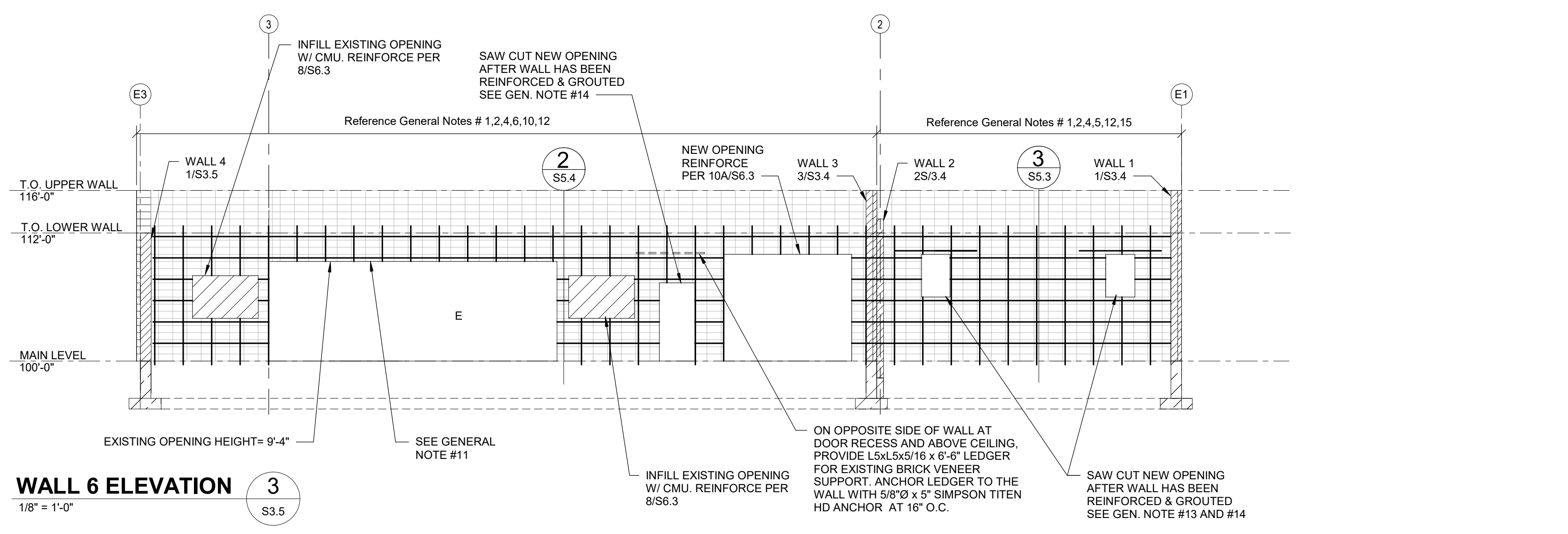
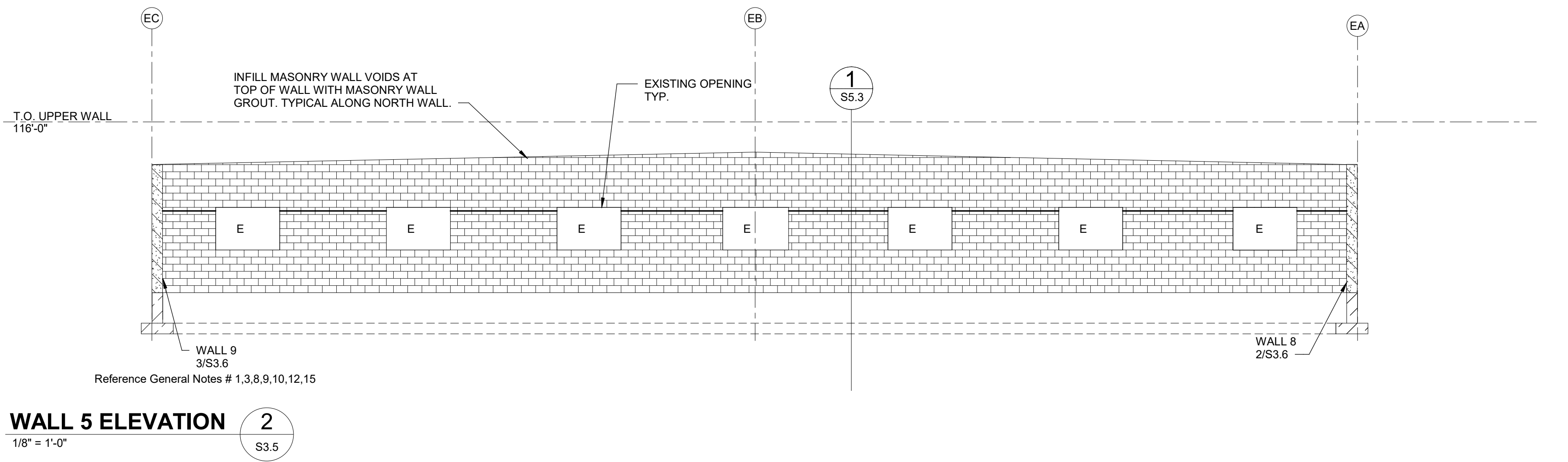
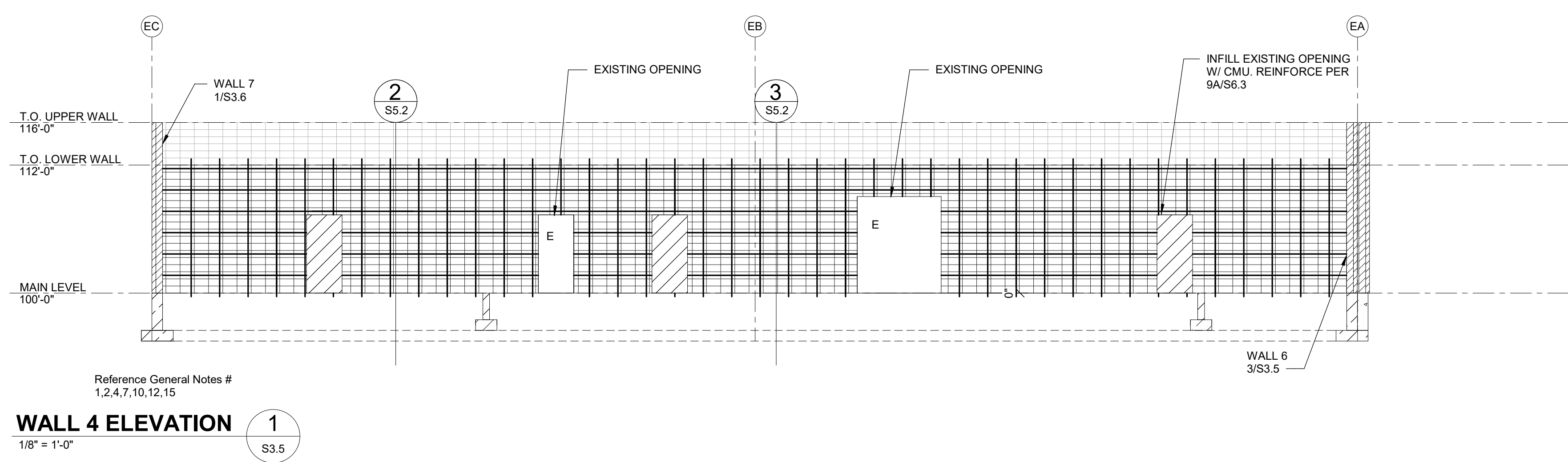
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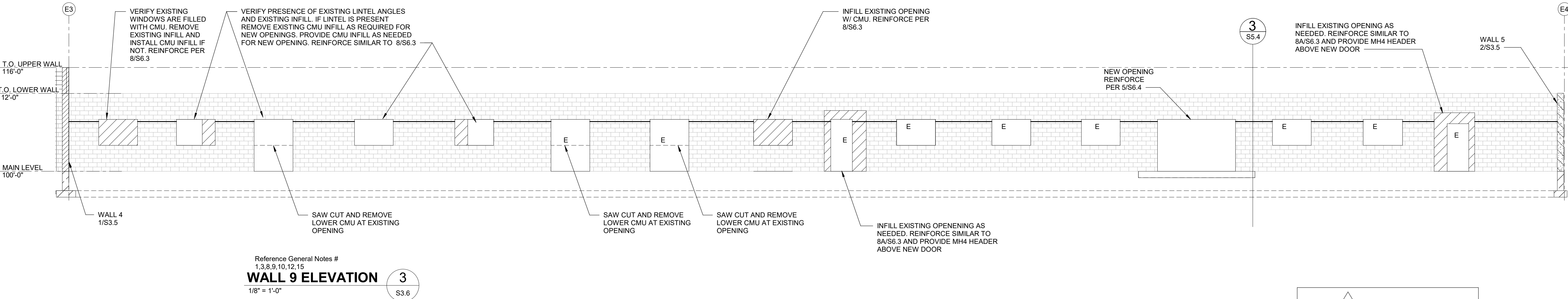
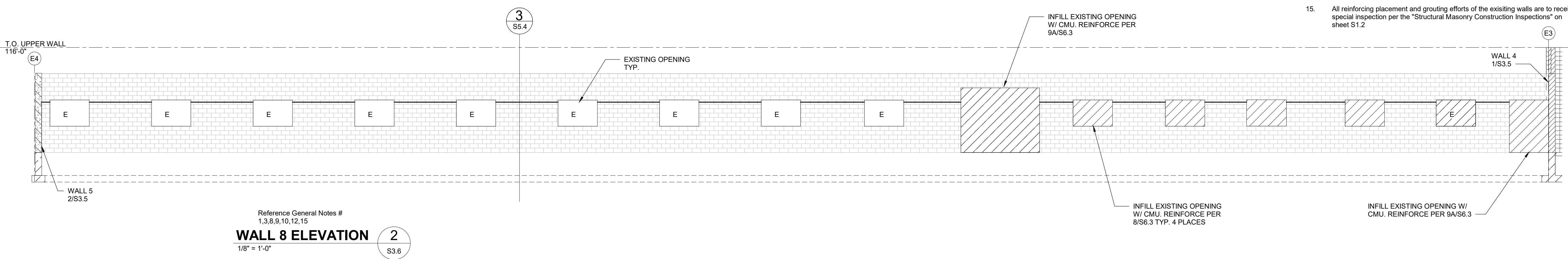
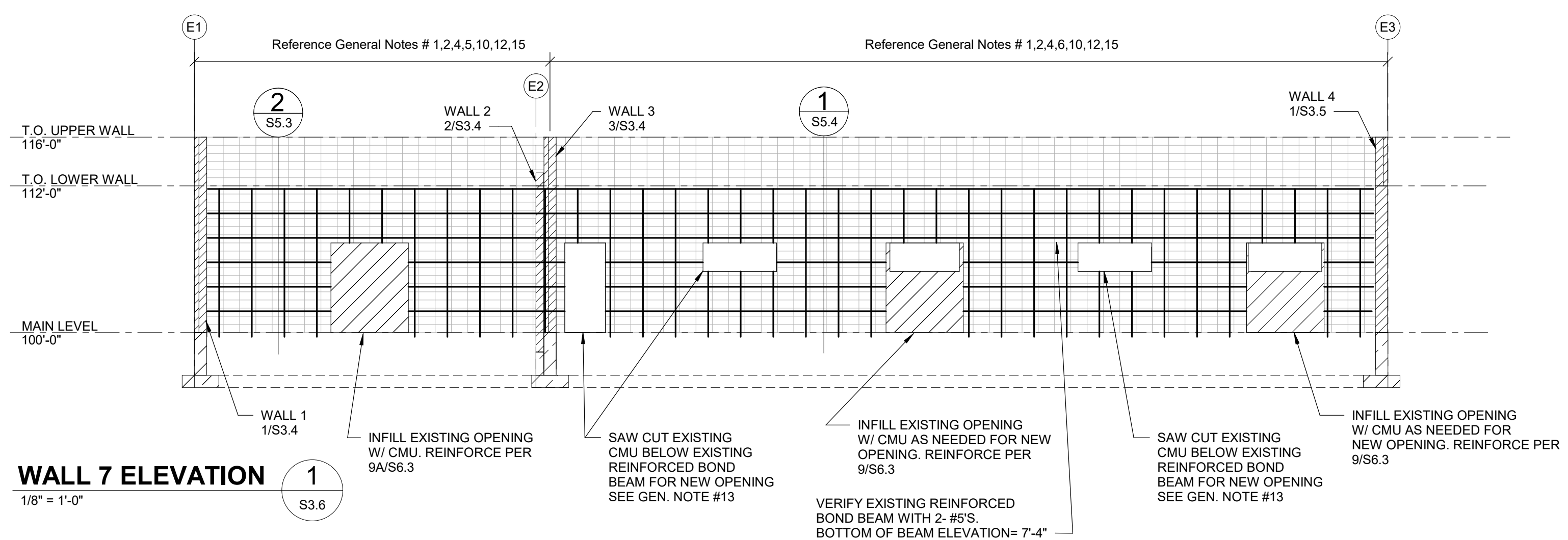
- GENERAL NOTES:**
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 - Based upon limited testing the existing horizontal rebar is predicted to be 2-#4 in lintel block bond beams located at 9' and 12' above finished floor. Contractor to verify and add #4 horizontal as required to ensure a 24" o.c. maximum spacing. Wall is to be grouted solid.
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 - Add 1-#5 horizontal above opening and extend a minimum 2'-6" past the edge of the opening on each side.
 - All reinforcing placement and grouting efforts of the existing walls are to receive special inspection per the "Structural Masonry Construction Inspections" on sheet S1.2



MASONRY WALL ELEVATIONS

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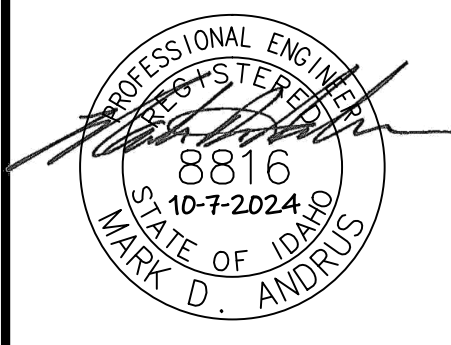


MASONRY WALL ELEVATIONS

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 MASONRY WALL ELEVATIONS

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: MASONRY WALL ELEVATIONS

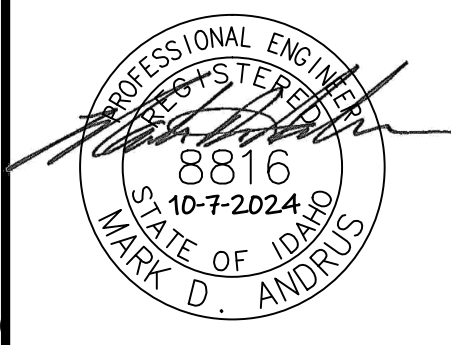
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DRAWING NO.: **S3.6**

These Documents are approved in accordance with the provisions of the Idaho Building Code and rules applicable to this project.

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

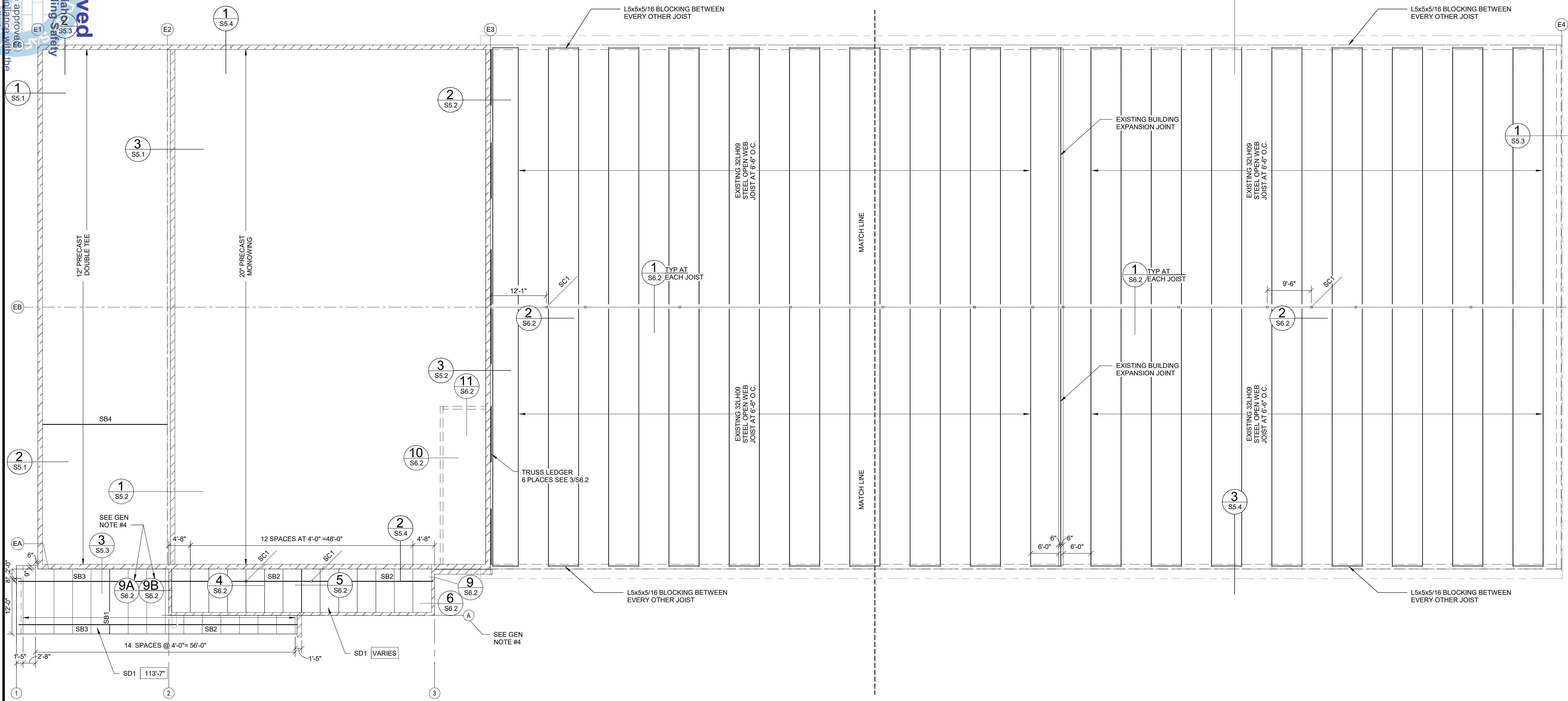
PROJECT:
 SHEET TITLE: **ROOF FRAMING PLAN**

REVISIONS

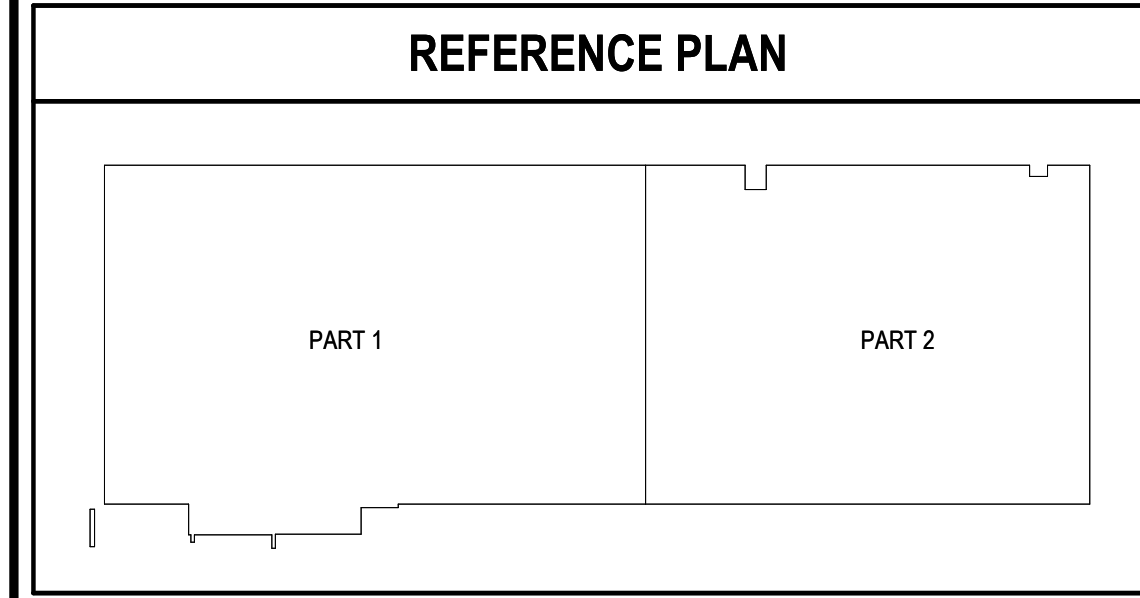
NO.	DESCRIPTION

PROJECT NO. 24024
 DATE: OCTOBER 2024
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DRAWING NO.: **S4.1**



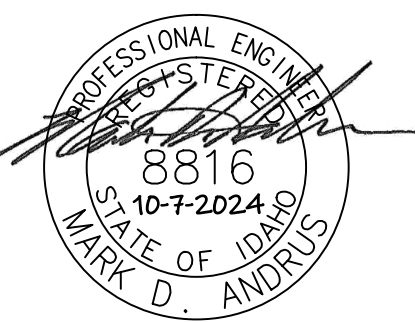
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ROOF FRAMING PLAN
 3/32" = 1'-0"

- GENERAL NOTES:**
- For marked description items on Plan see legend on sheet S1.1.
 - See Architectural Drawings for dimensions and roof slopes not shown.
 - Dimensions for the existing roof joist were taken from the existing building drawings. Contractor to verify spacing as needed.
 - Use section 9A/S6.2 for the beam above and 9B/S6.2 for the beam below. The space around the lower beam to be fully grouted after placement.

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 ROOF FRAMING PLAN AREA 1

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: ROOF FRAMING PLAN AREA 1

NO.	REVISIONS

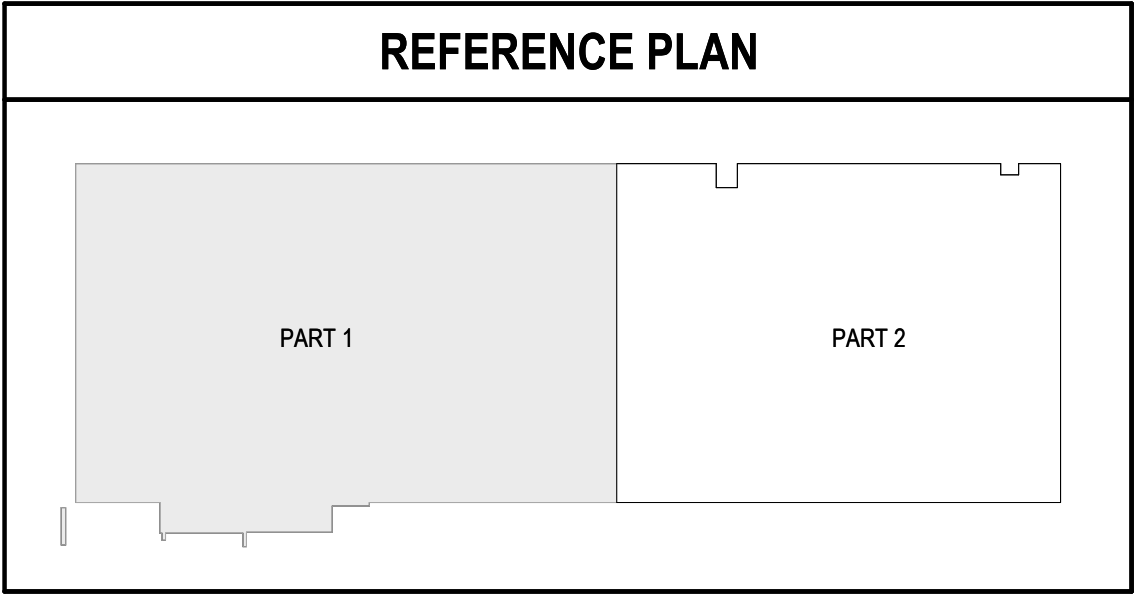
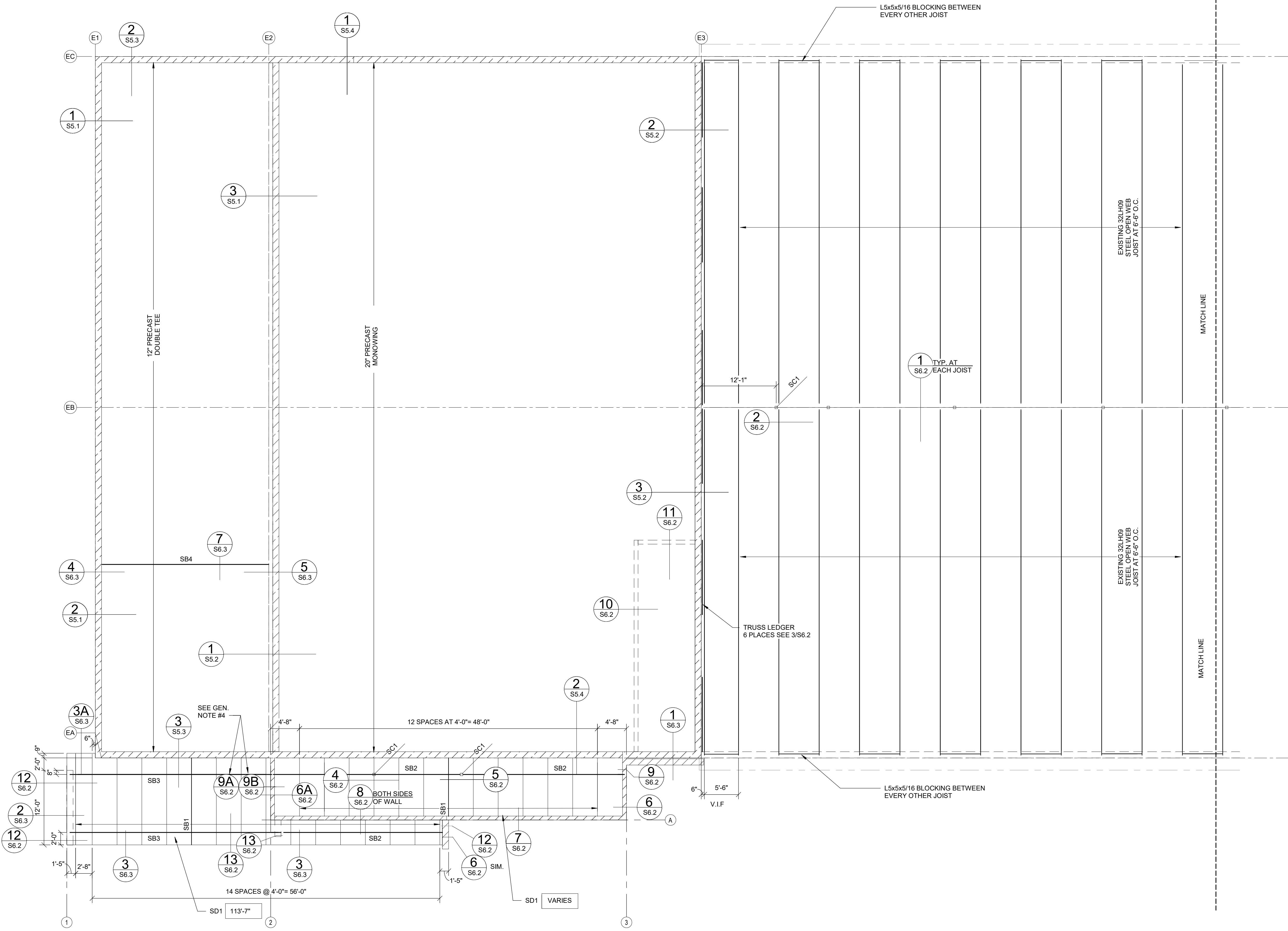
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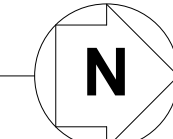
S4.2

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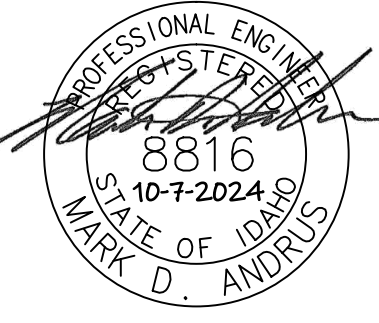
- GENERAL NOTES:**
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ROOF FRAMING PLAN AREA 1
 1/8" = 1'-0"



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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 ROOF FRAMING PLAN AREA 2

PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: ROOF FRAMING PLAN AREA 2

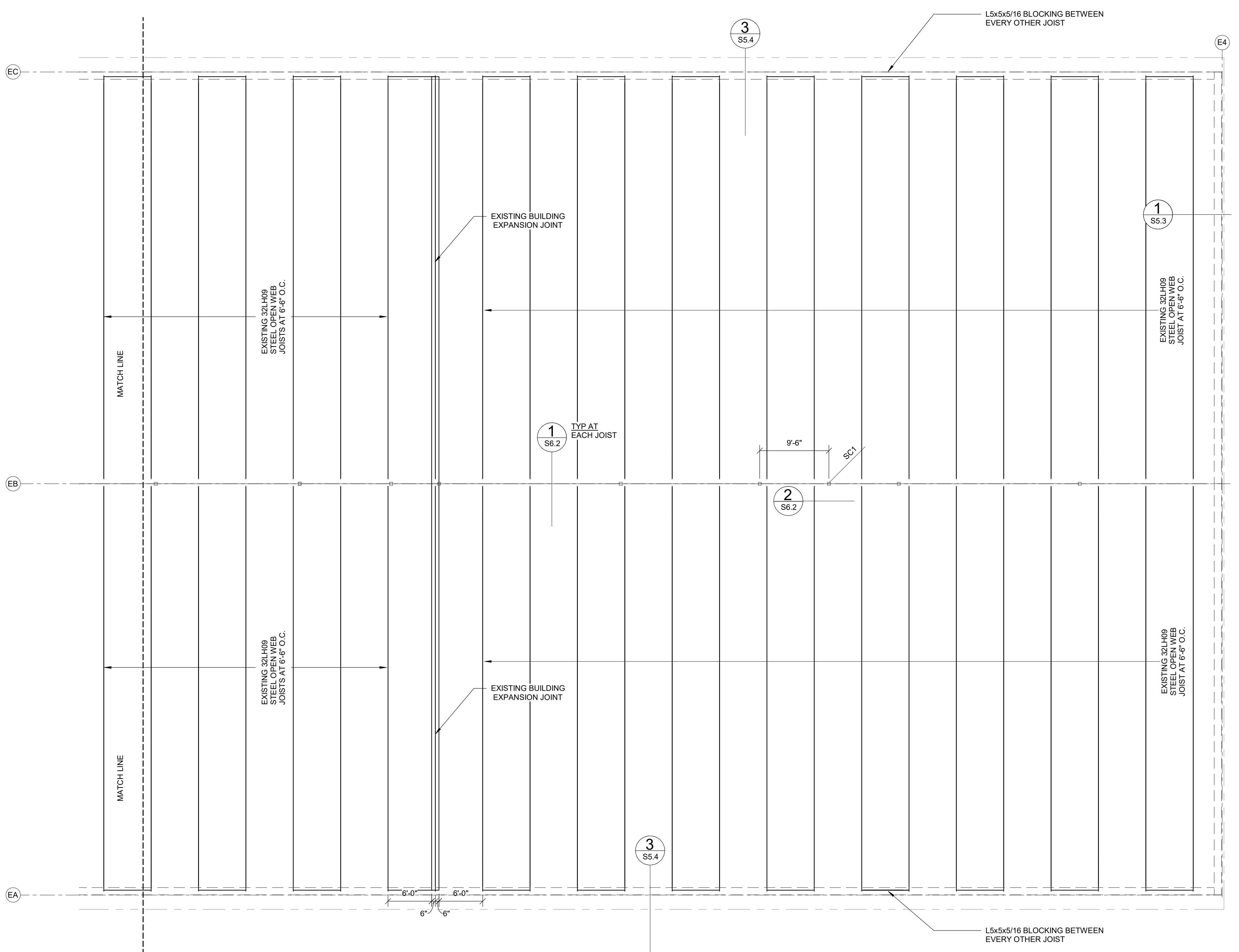
REVISIONS

NO.	DESCRIPTION

PROJECT NO. 24024
 DATE: OCTOBER 2024
 DRAWN BY: BC
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DRAWING NO.:

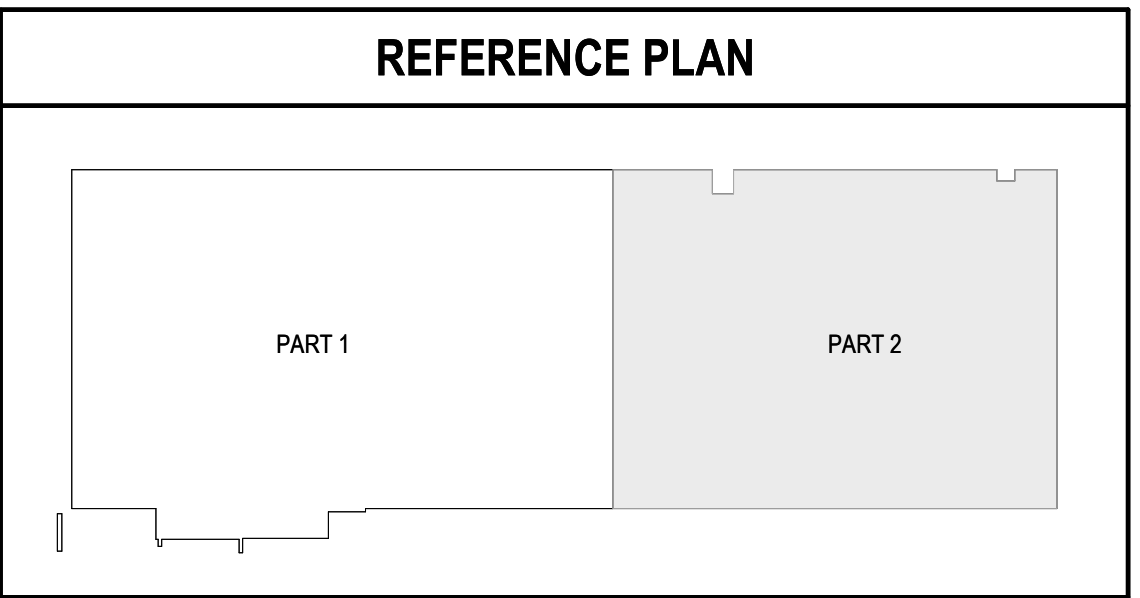
S4.3



ROOF FRAMING PLAN AREA 2
 1/8" = 1'-0"

- GENERAL NOTES:**
- For marked description items on Plan see legend on sheet S1.1.
 - See Architectural Drawings for dimensions and roof slopes not shown.
 - Dimensions for the existing roof joist were taken from the existing building drawings. Contractor to verify spacing as needed.

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PA

DATE

BY

SAF

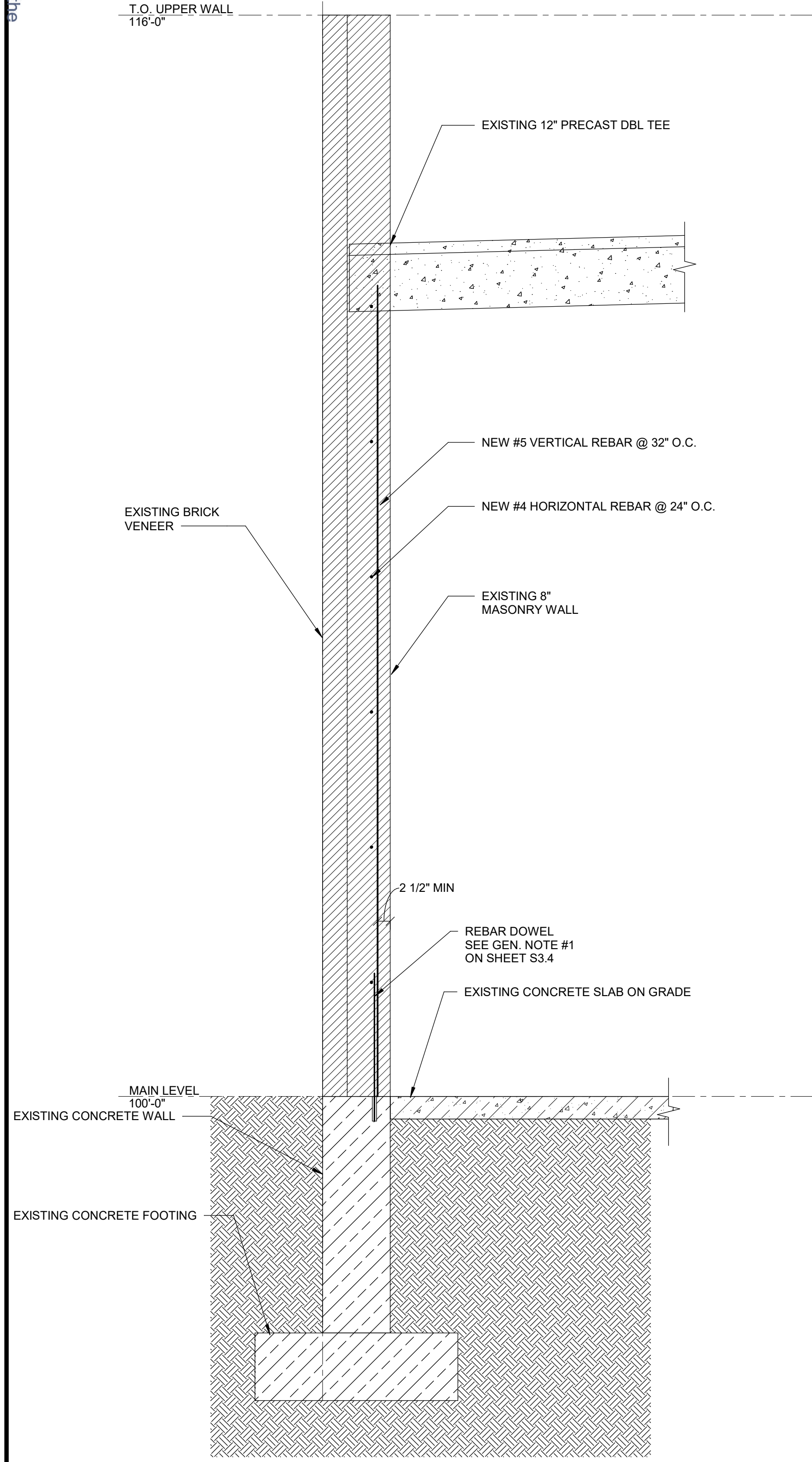
These Documents are approved

contingent on the compliance with the

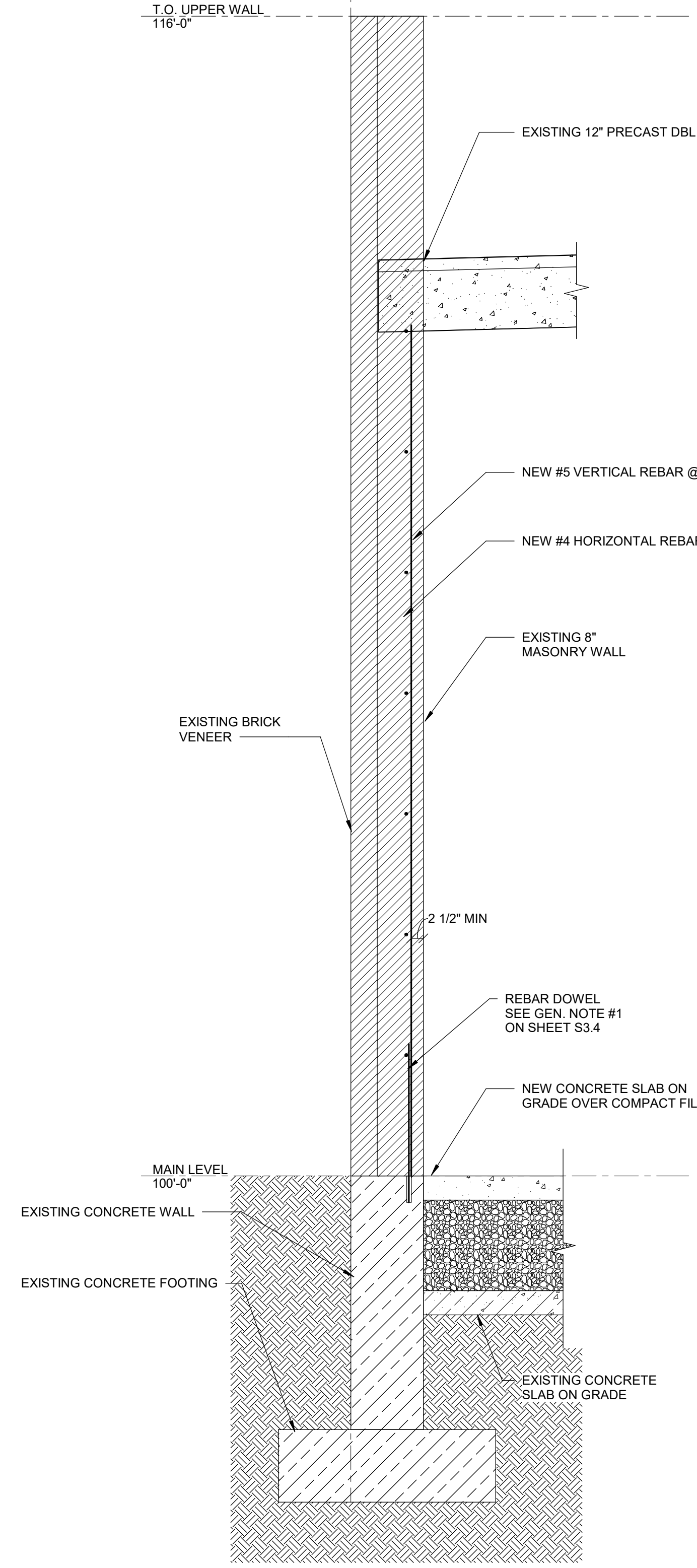
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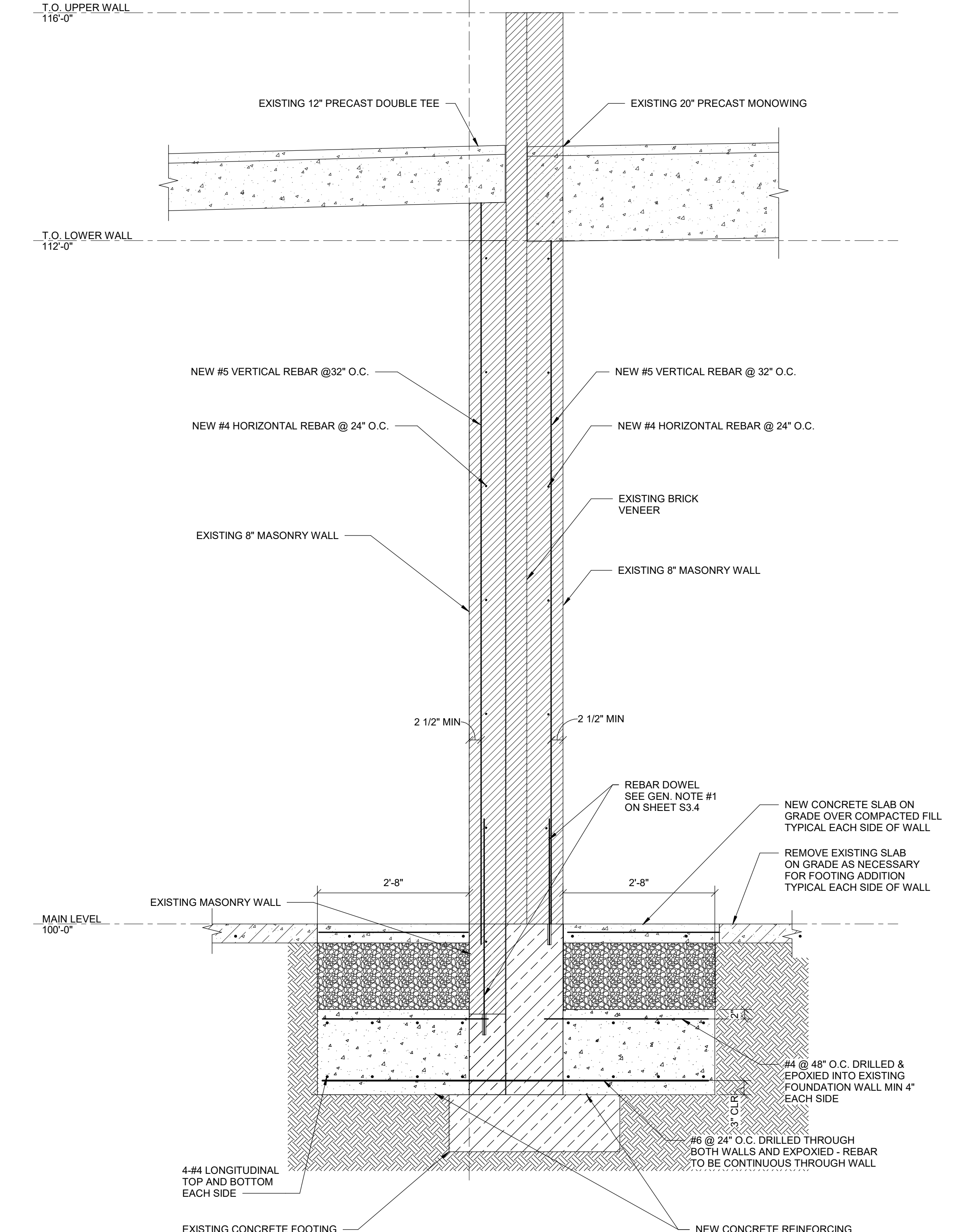
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SECTION 1
 3/4" = 1'-0"
 S5.1



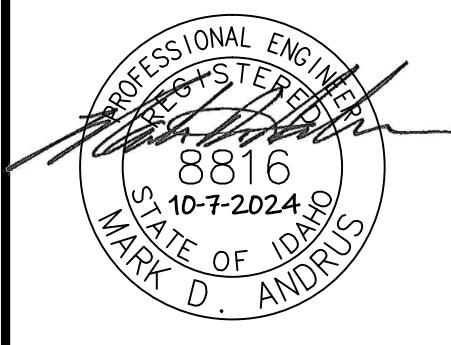
SECTION 2
 3/4" = 1'-0"
 S5.1



SECTION 3
 3/4" = 1'-0"
 S5.1

NOTE:
 1. USE SIMPSON AT-3G ADHESIVE (OR EQUAL) WHERE EPOXY IS SPECIFIED

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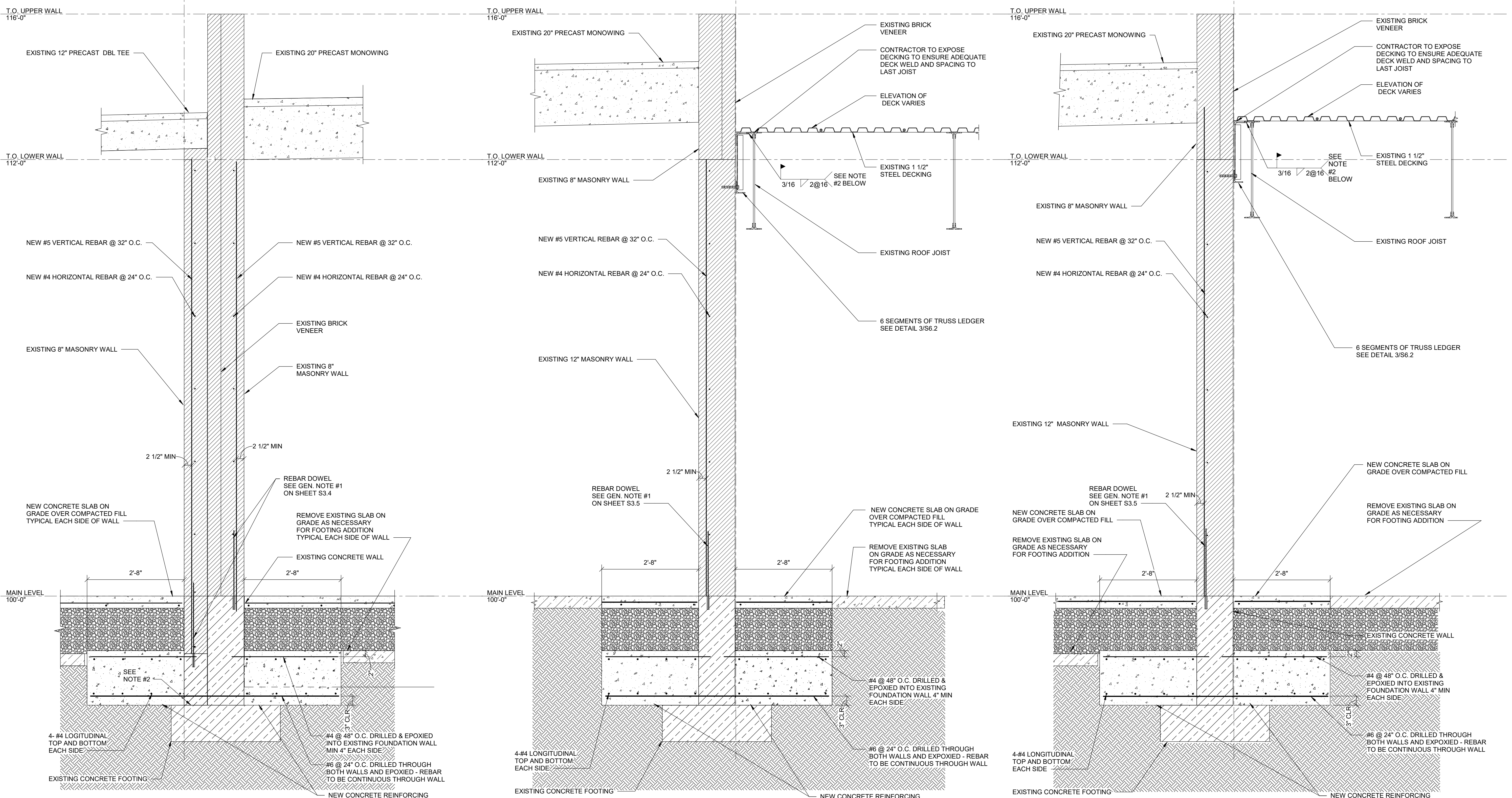
REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: WALL SECTIONS

REVISIONS

PROJECT NO. 24024
 DATE: OCTOBER 2024
 DRAWN BY: BC
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DRAWING NO.:
S5.1

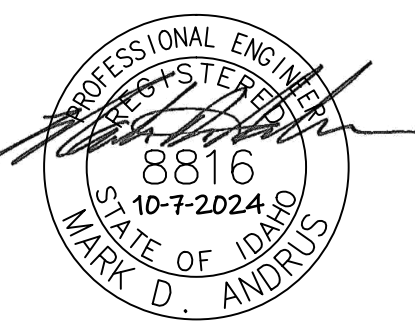


NOTE:
 1. USE SIMPSON AT-3G ADHESIVE (OR EQUAL) WHERE EPOXY IS SPECIFIED
 2. EXISTING CONDITIONS BELOW LOWER SLAB AT WALL ARE UNKNOWN.
 FOR BIDDING, THE CONTRACTOR IS TO ASSUME THE CONCRETE OR SOLID
 CMU WALL BELOW THE LOWER SLAB TO THE FOOTING BELOW. THE
 CONTRACTOR SHALL VERIFY ACTUAL CONDITION IN FIELD AND REPORT TO E.O.R

NOTE:
 1. USE SIMPSON AT-3G ADHESIVE (OR EQUAL) WHERE EPOXY IS SPECIFIED
 2. WELD BETWEEN EXISTING JOIST TOP CHORD AND TOP OF TRUSS LEDGER

NOTE:
 1. USE SIMPSON AT-3G ADHESIVE (OR EQUAL) WHERE EPOXY IS SPECIFIED
 2. WELD BETWEEN EXISTING JOIST TOP CHORD AND TOP OF TRUSS LEDGER

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REMODEL FOR
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 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

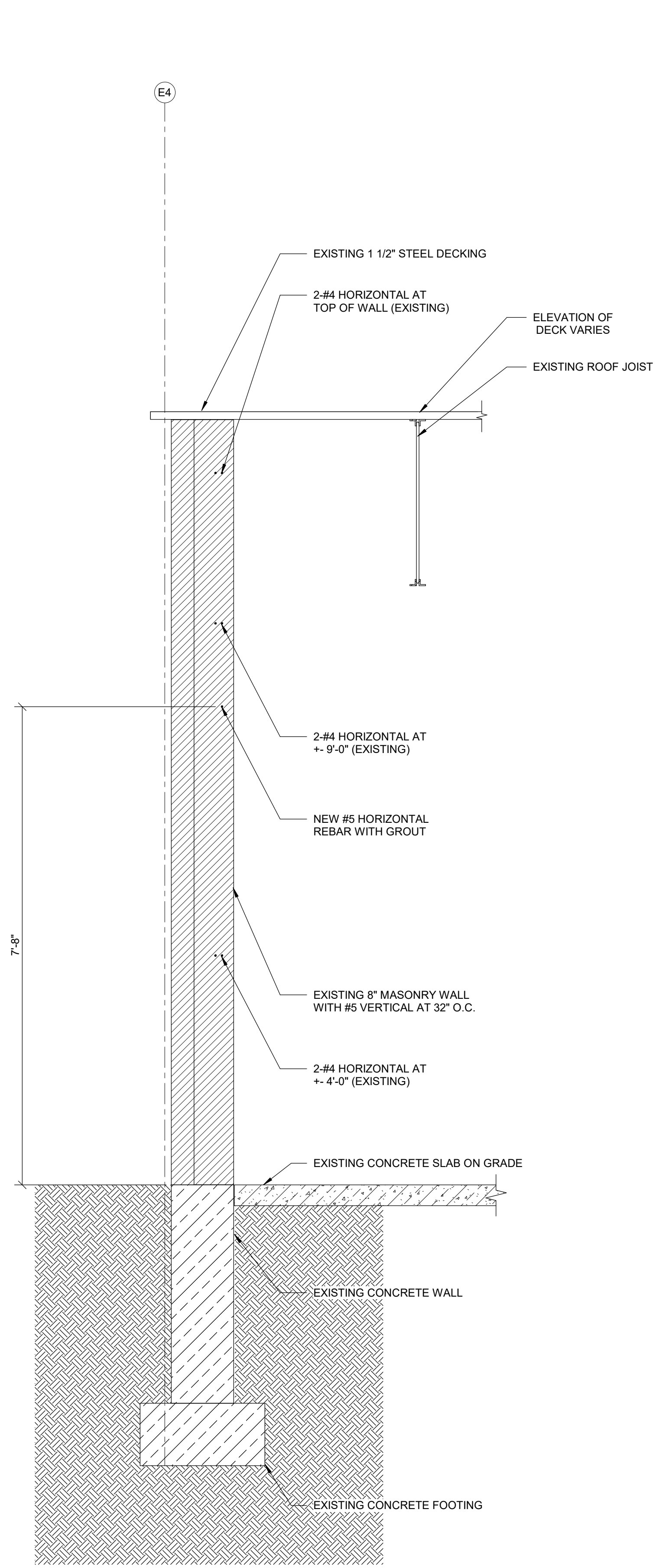
PROJECT:
 SHEET TITLE:
 WALL SECTIONS

NO.	REVISIONS

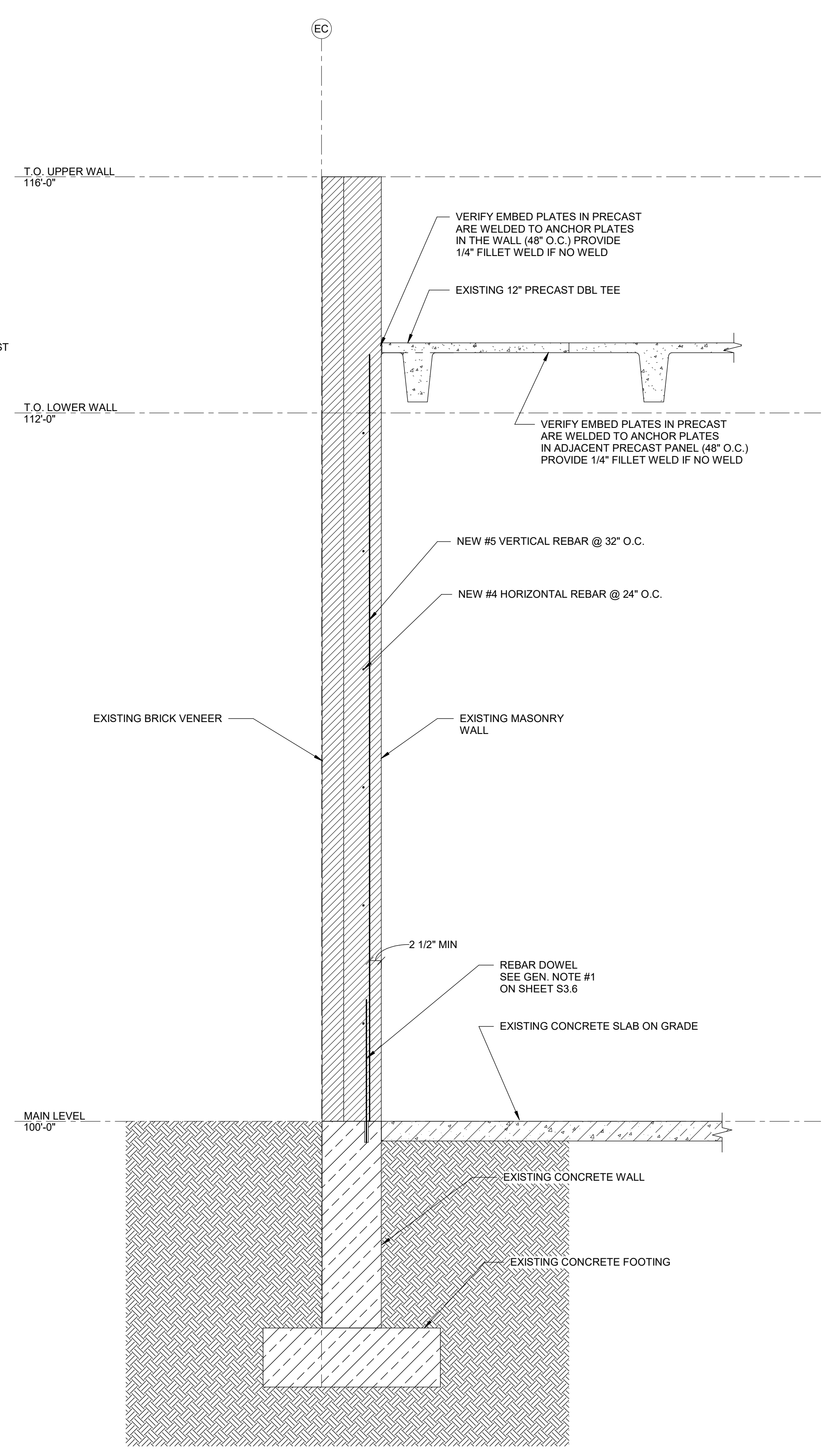
PROJECT NO.
 24024
 DATE:
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DRAWING NO.:

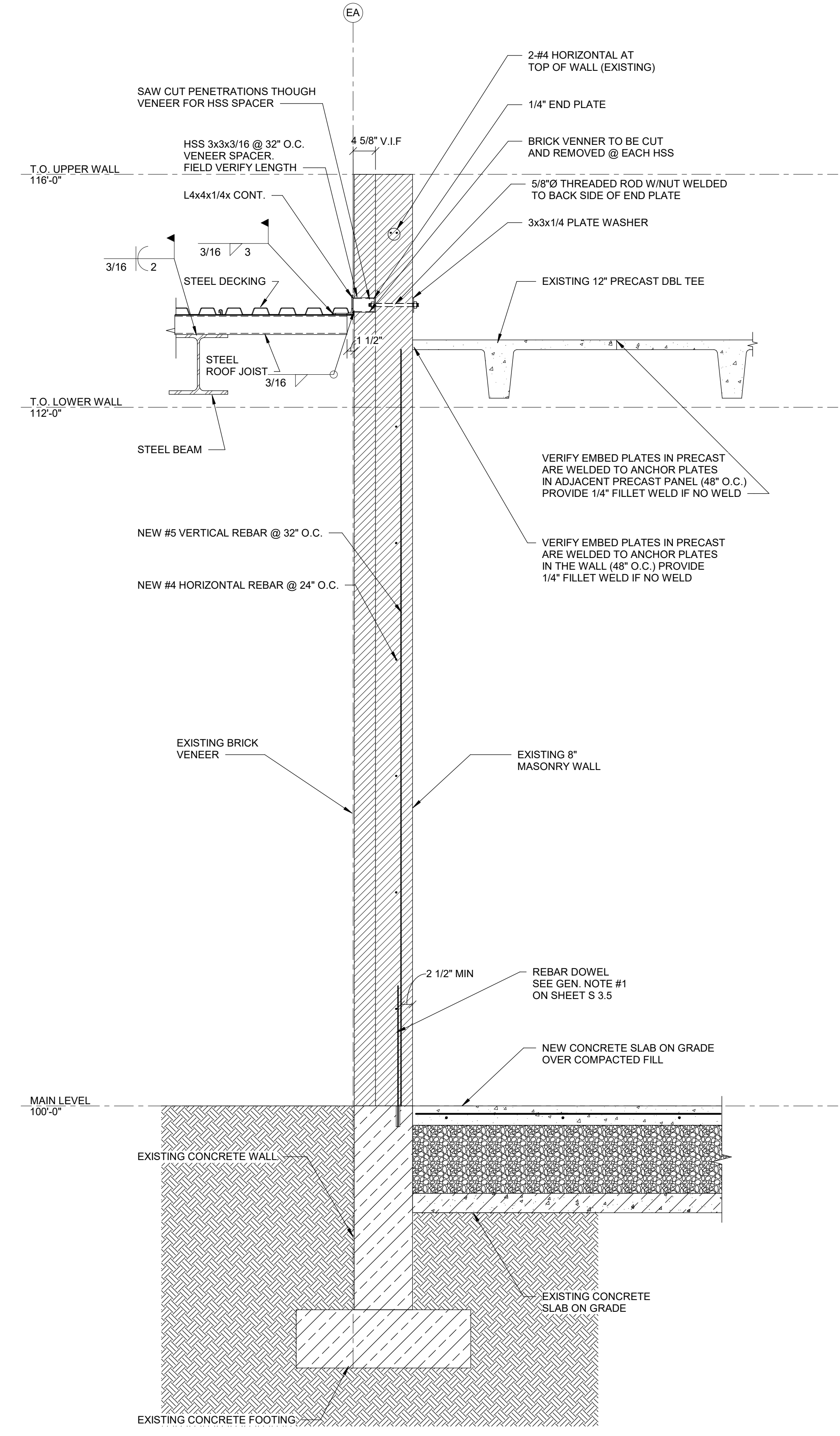
S5.2



SECTION 1
 3/4" = 1'-0"
 S5.3

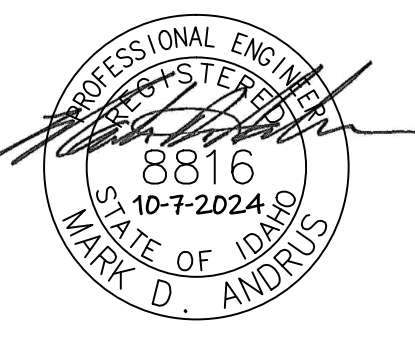


SECTION 2
 3/4" = 1'-0"
 S5.3



SECTION 3
 3/4" = 1'-0"
 S5.3

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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
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 WALL SECTIONS

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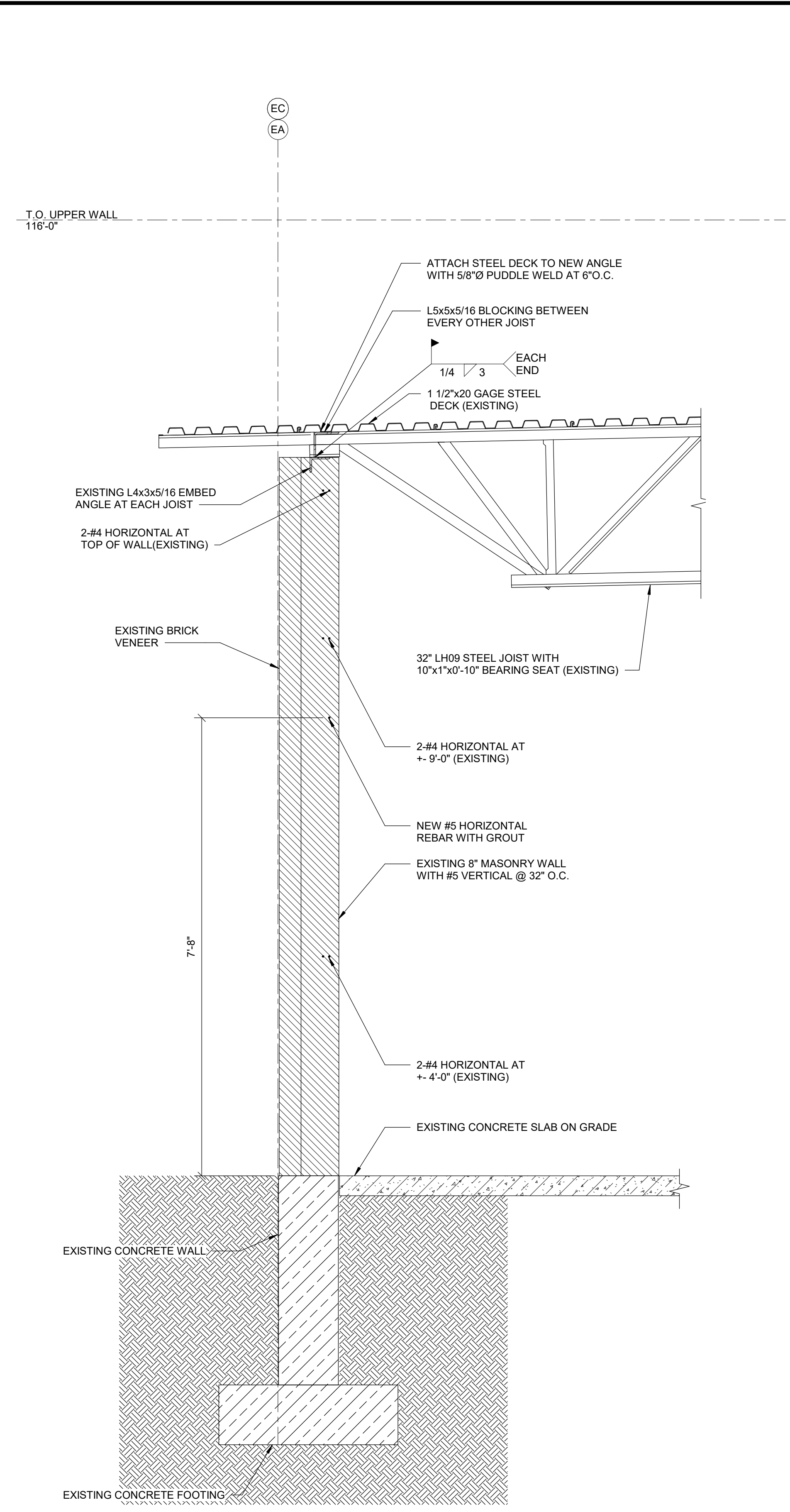
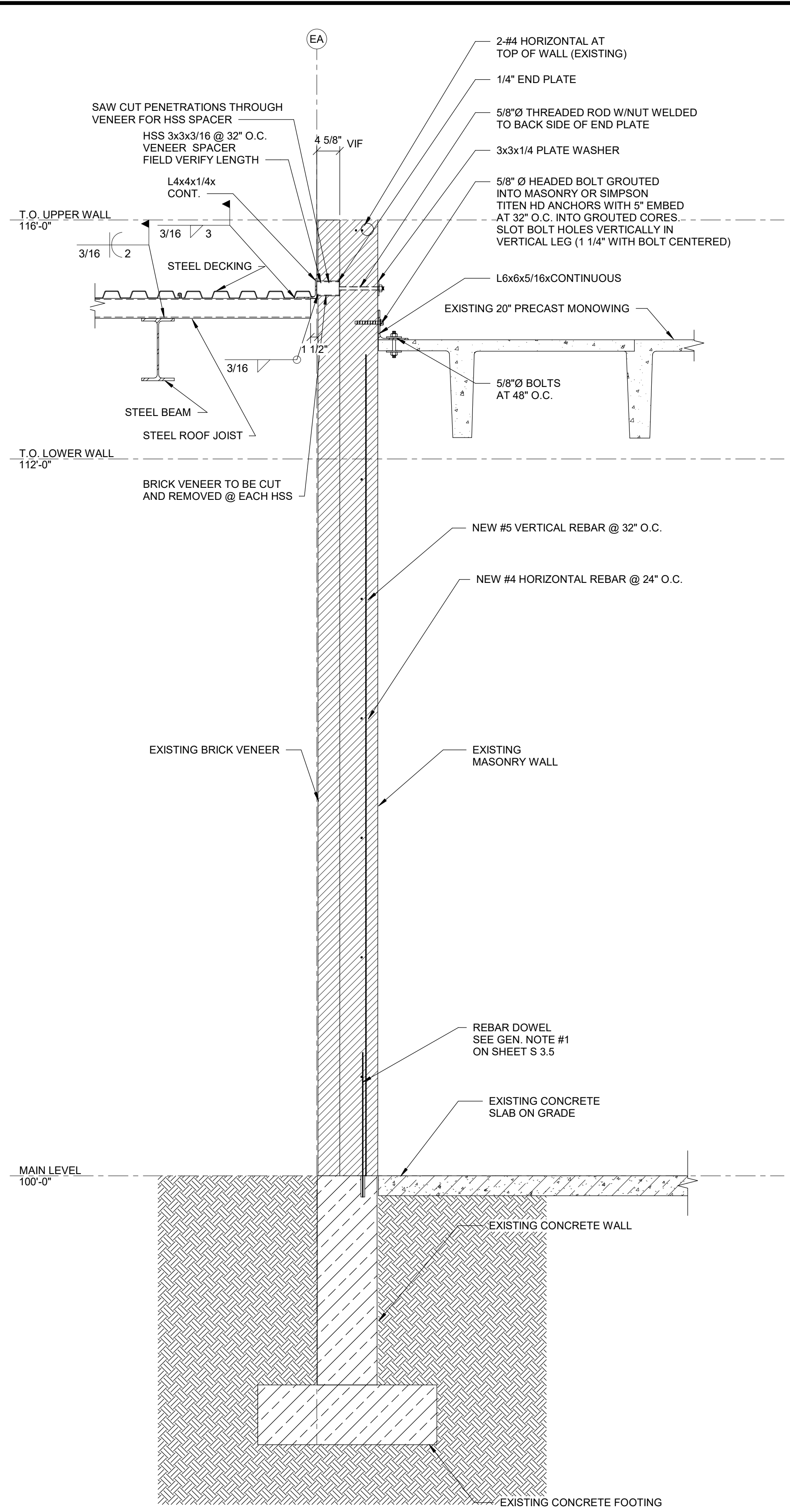
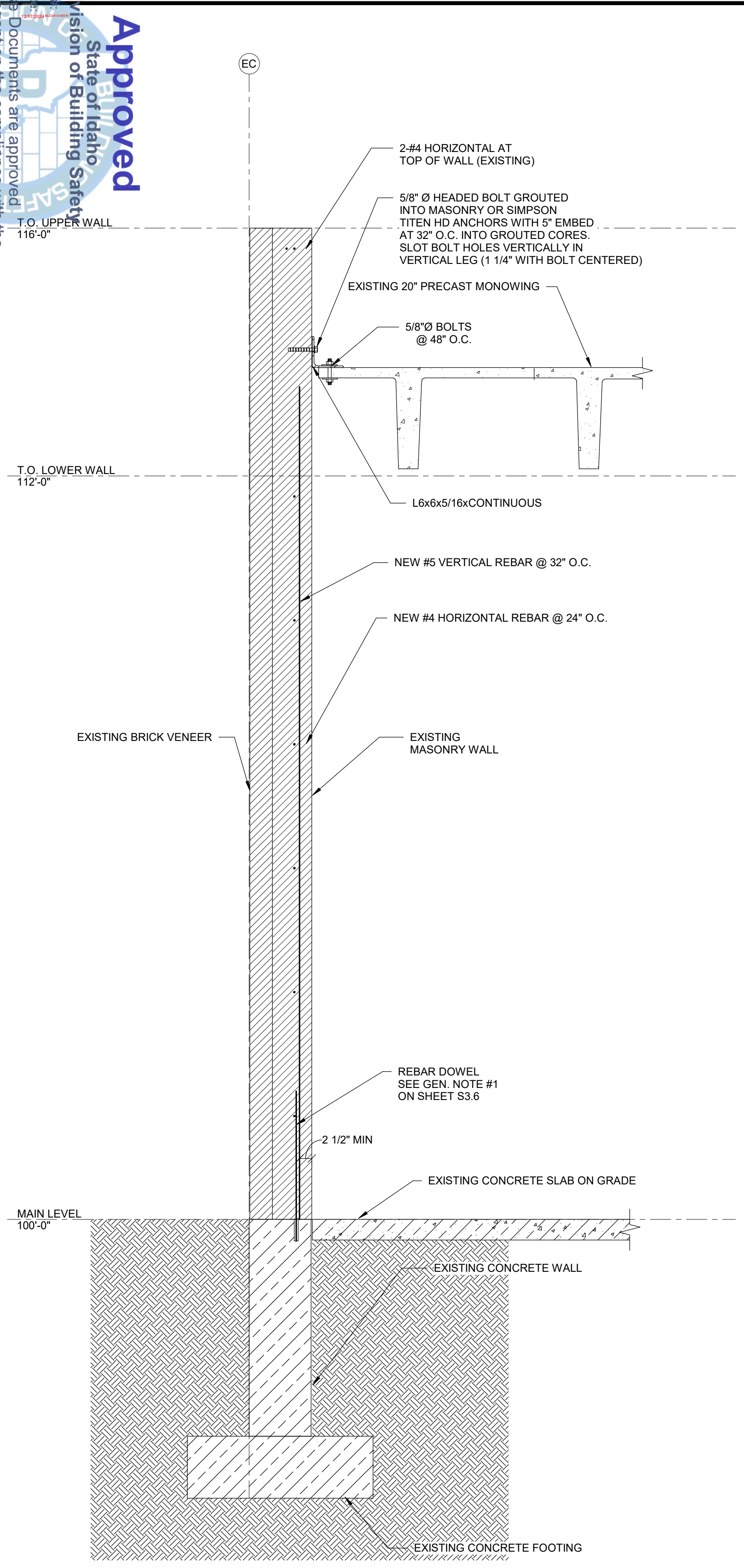
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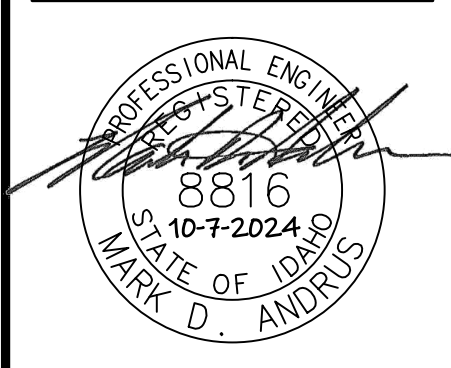
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NOTE:
 1. IF THE EXISTING EMBED PLATE AT THE TOP OF THE WALL IS TOO SHORT TO ALLOW A MINIMUM 3" OF WELD NOTCH THE ANGLE UP AND OVER THE 1" THICK 10"x10" JOIST SEAT AND WELD TO THE TOP OF THE JOIST SEAT ALSO. VERIFY EXISTENCE OF 1/4" FILLET WELD BETWEEN EMBED PLATE AND JOIST SEAT ON EACH SIDE OF JOIST. ADD WELD AS REQUIRED.



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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:

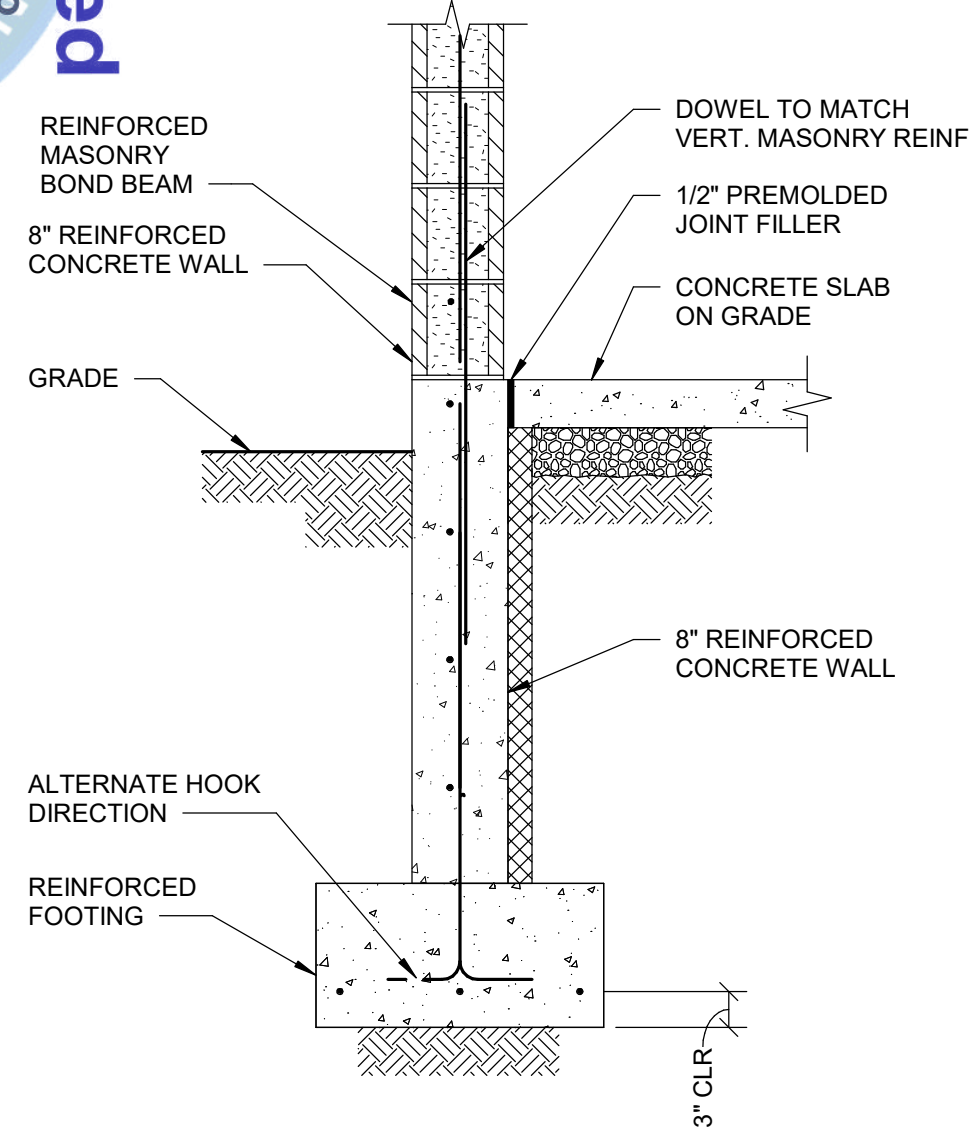
REVISIONS

PROJECT NO. 24024
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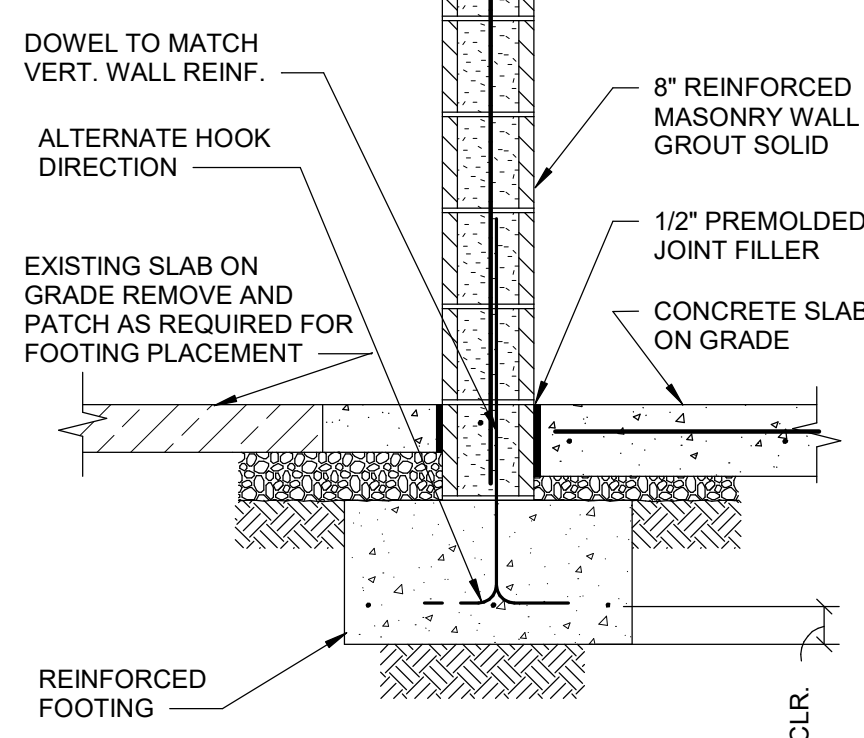
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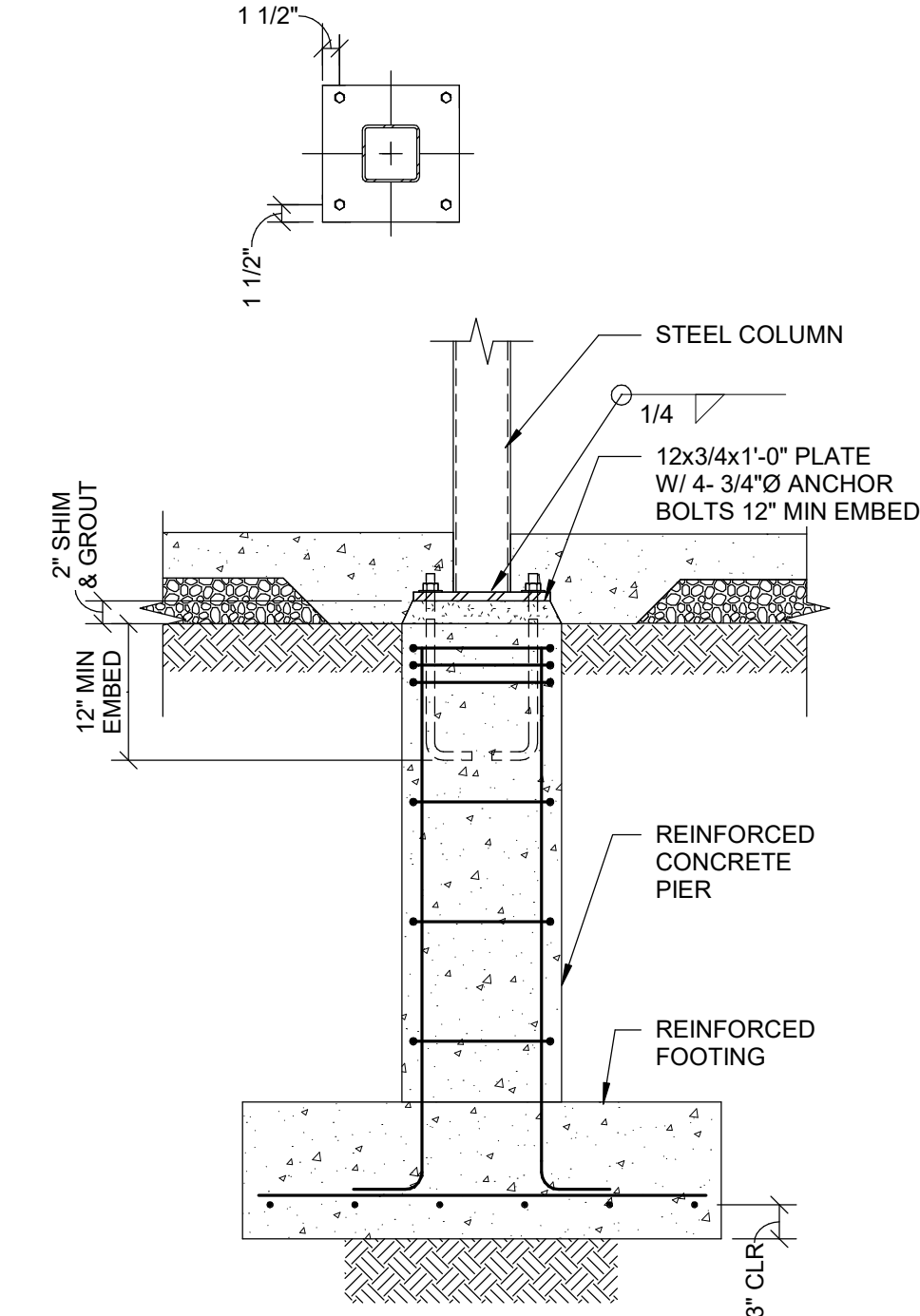
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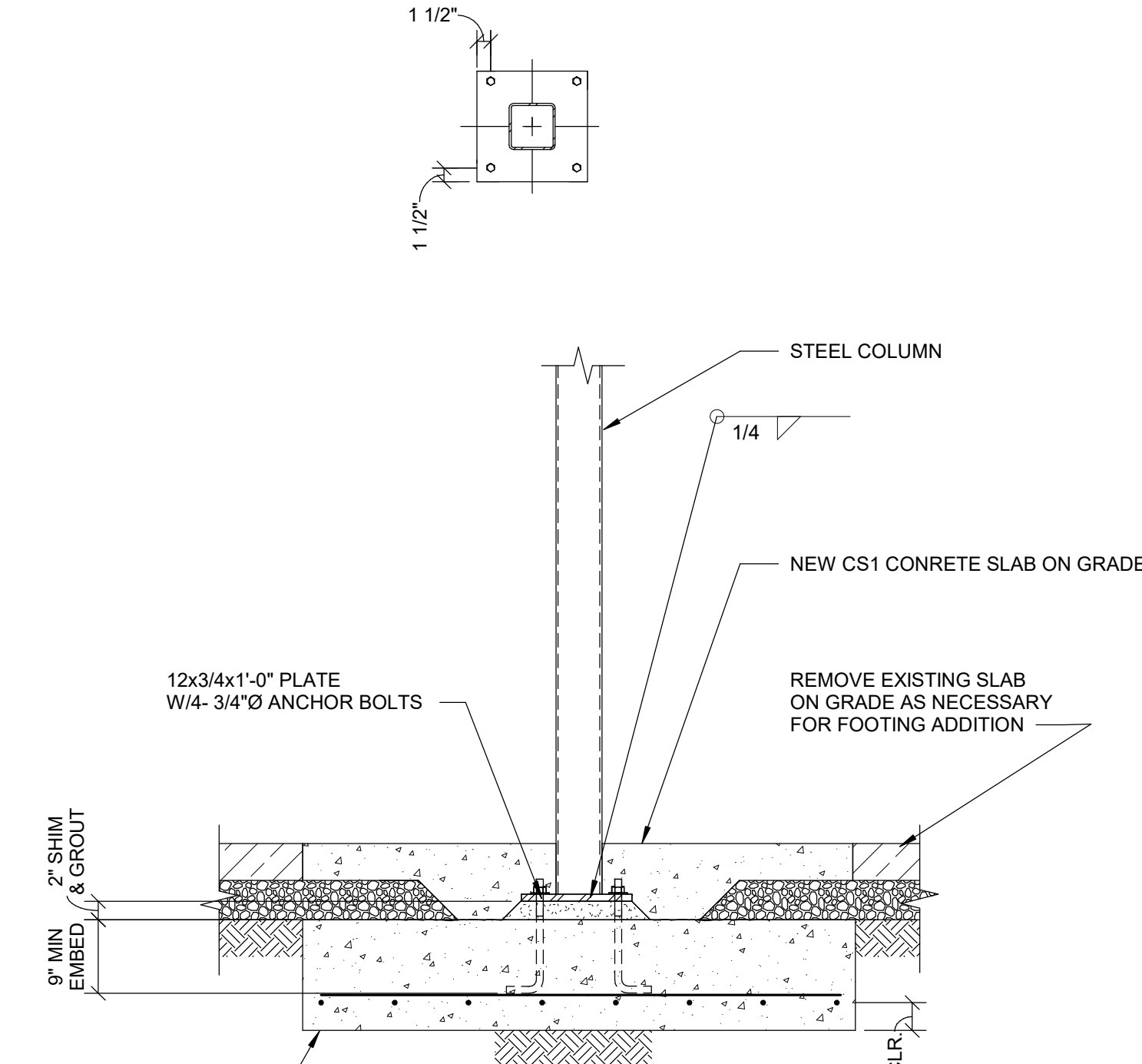
SECTION 1
 3/4" = 1'-0" S6.1



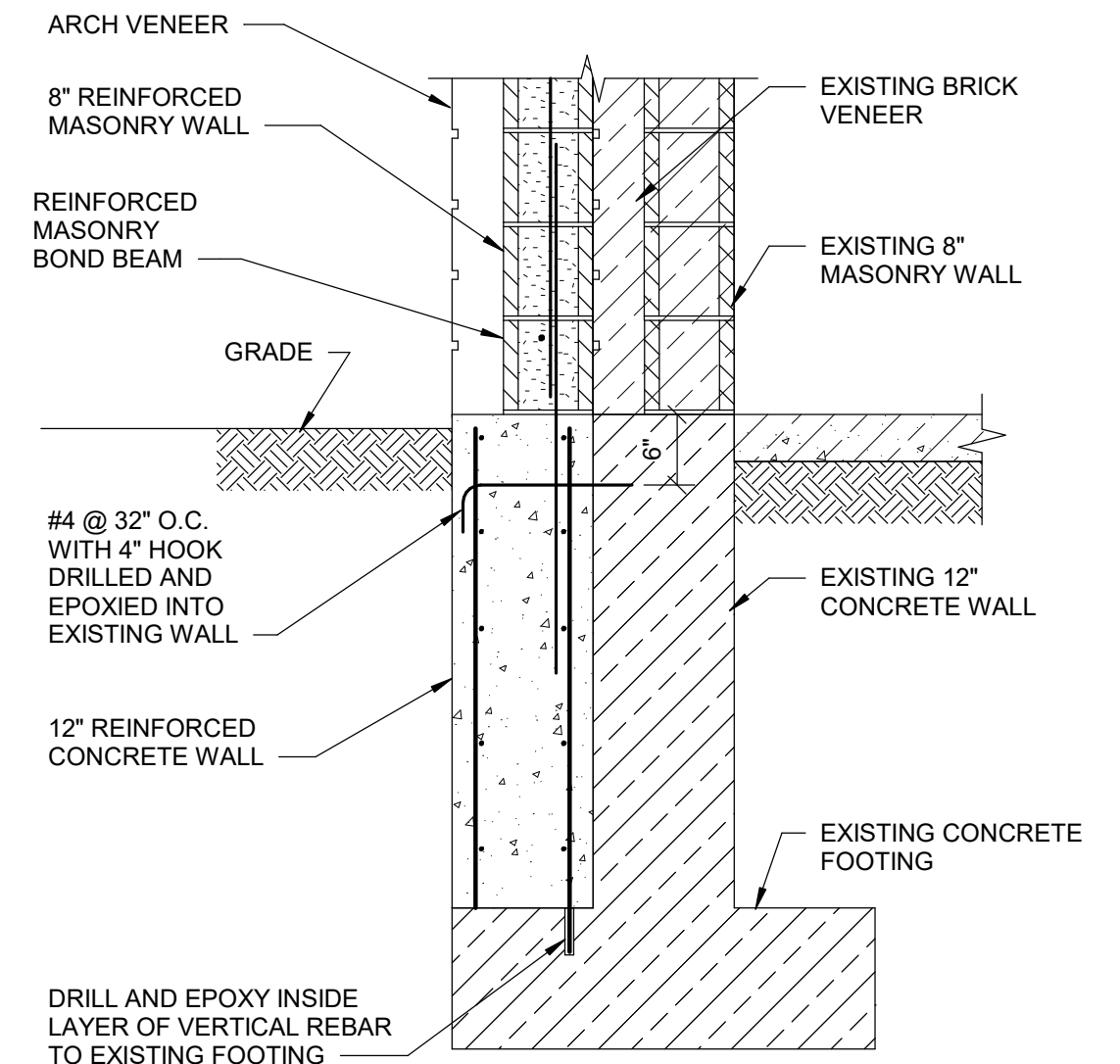
SECTION 2
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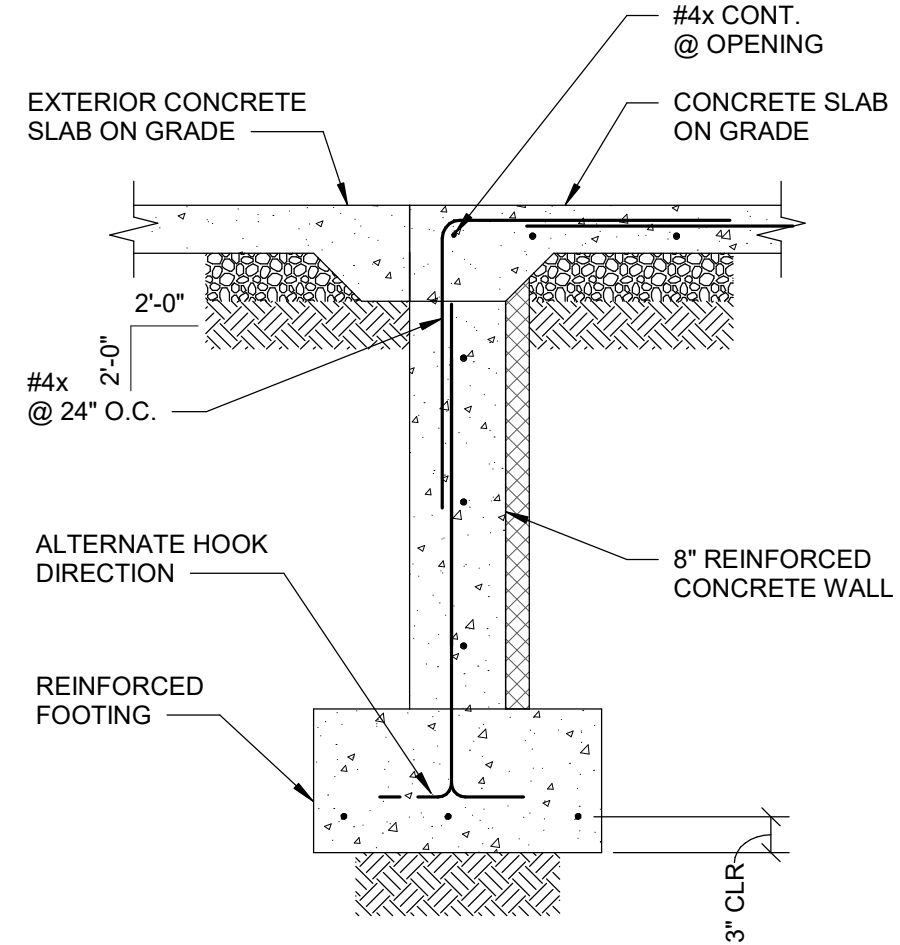
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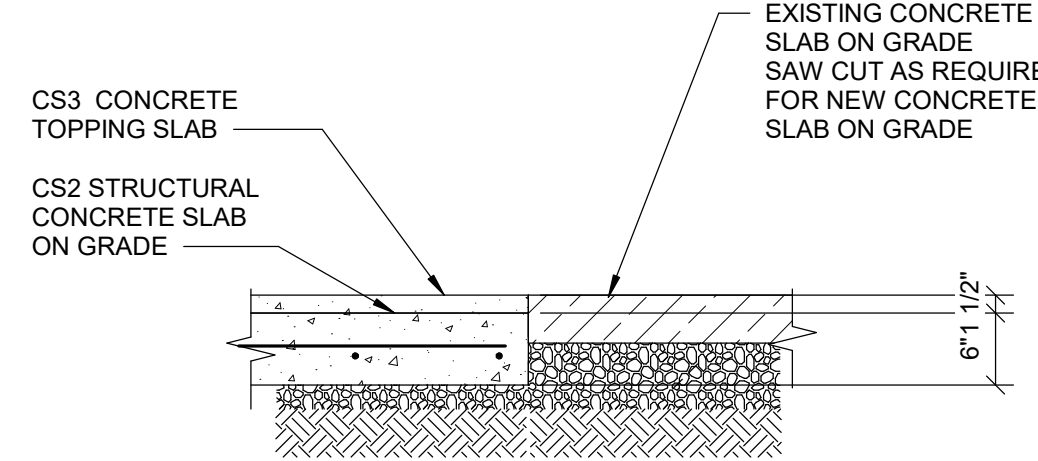
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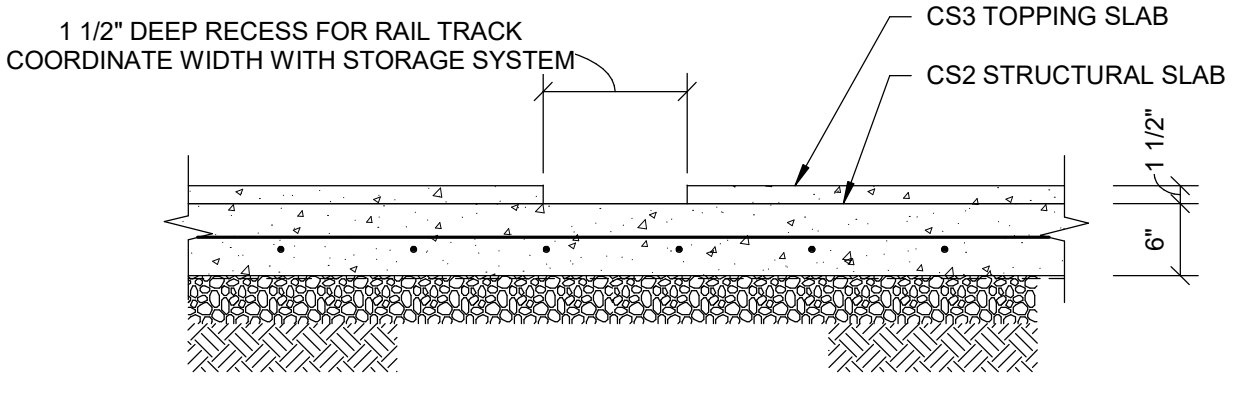
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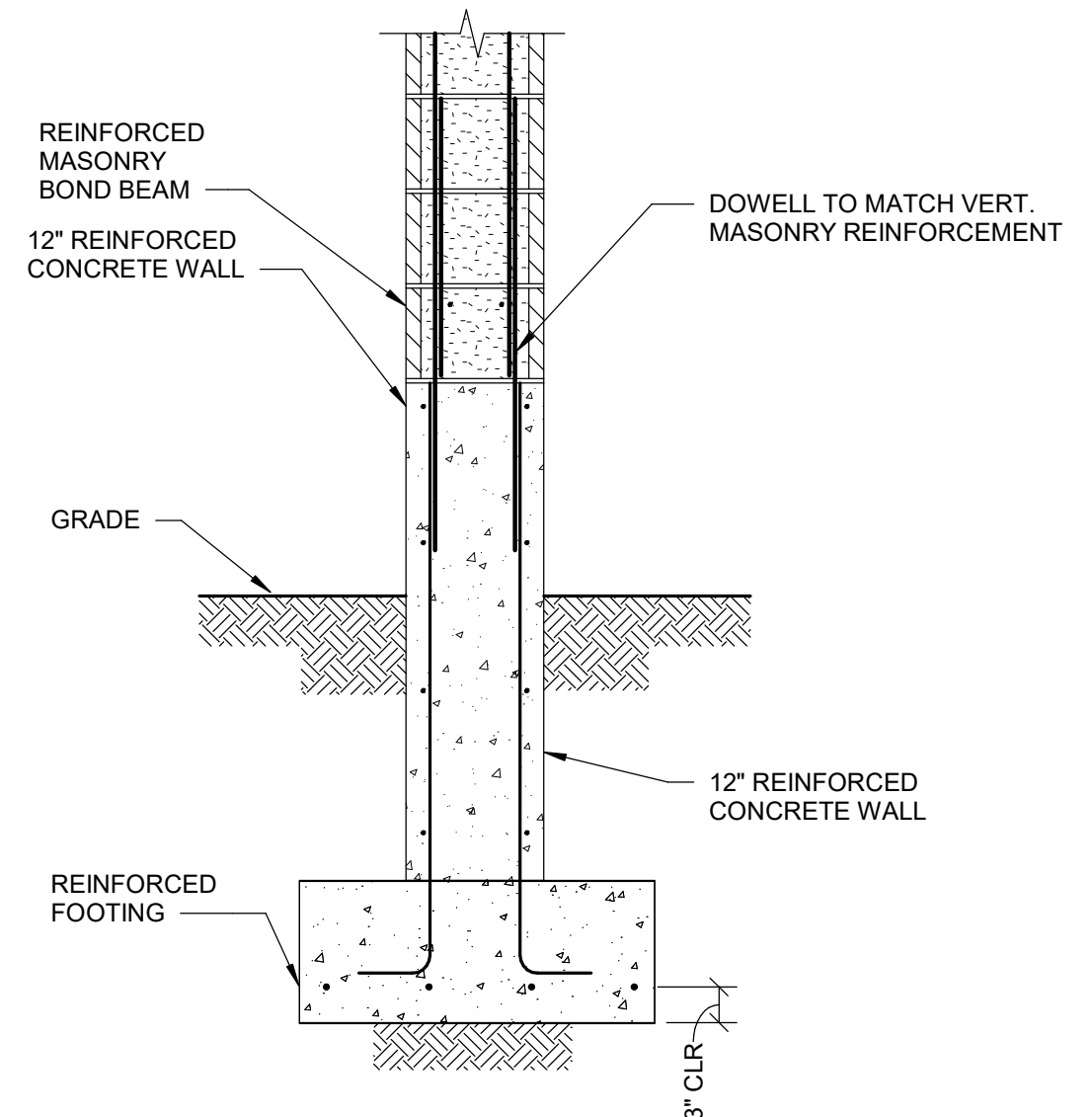
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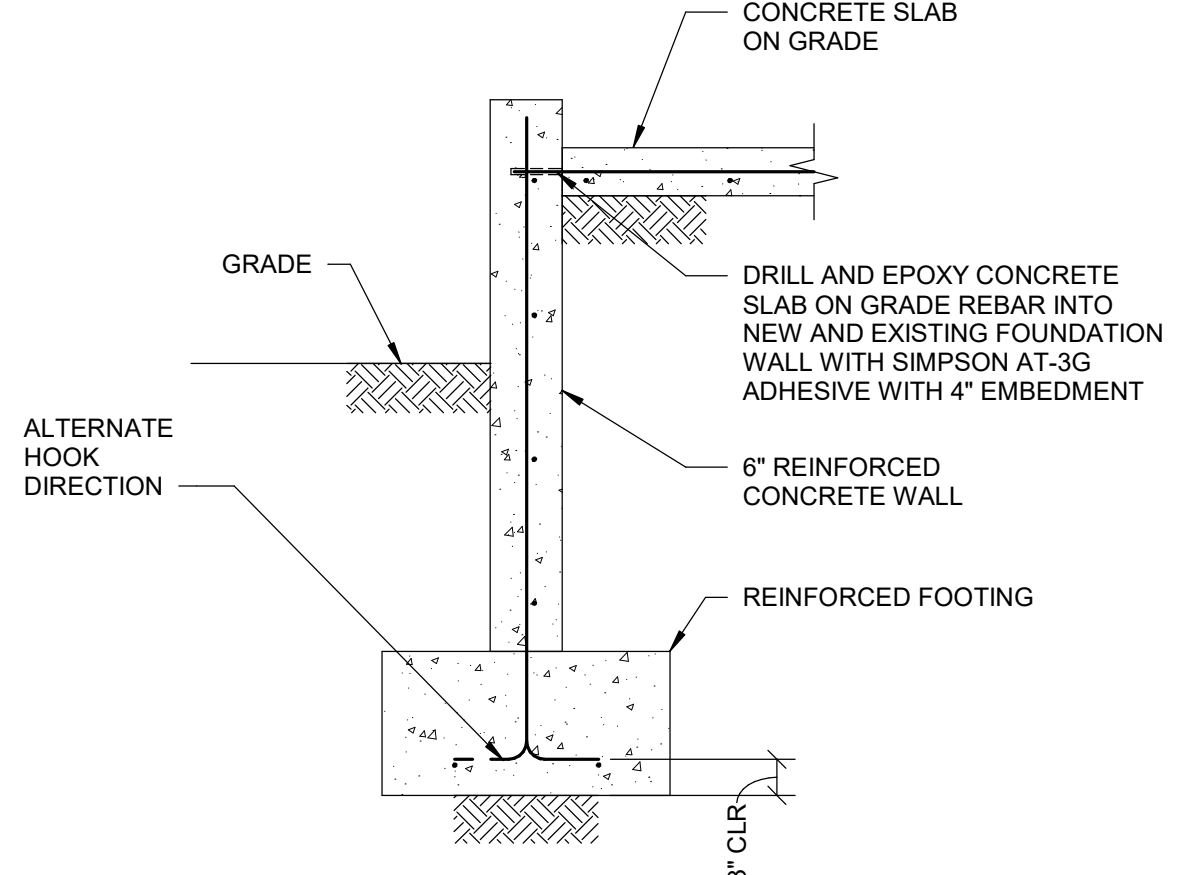
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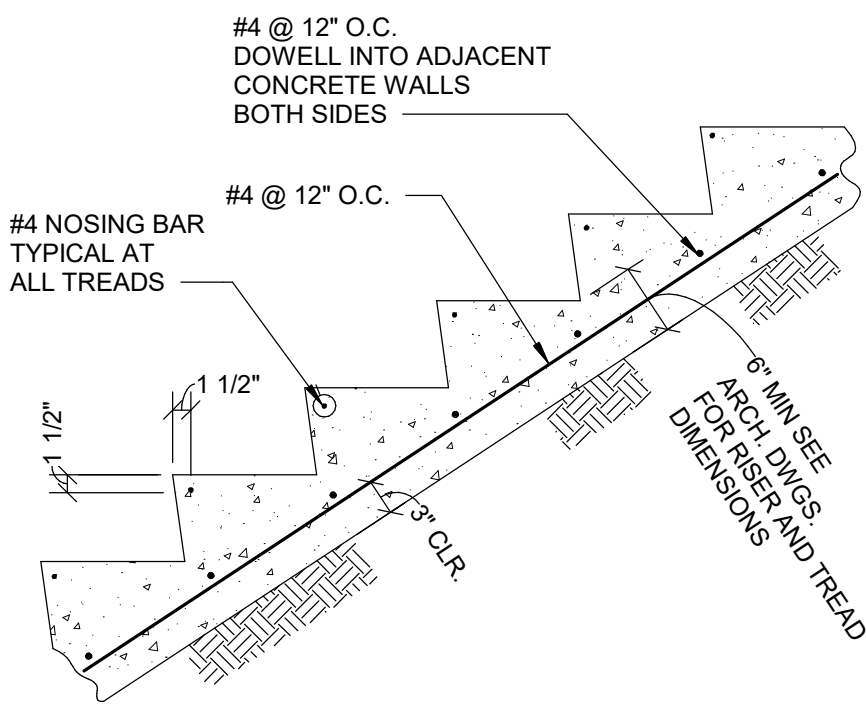
SECTION 8
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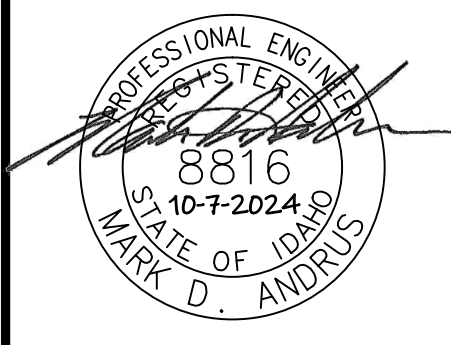
SECTION 9
 3/4" = 1'-0" S6.1



SECTION 10
 3/4" = 1'-0" S6.1



SECTION 11
 3/4" = 1'-0" S6.1



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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
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PROJECT: DPW 22511 ISP NEW DISTRICT #6 FACILITY
 SHEET TITLE: STRUCTURAL SECTIONS

REVISIONS

PROJECT NO. 24024
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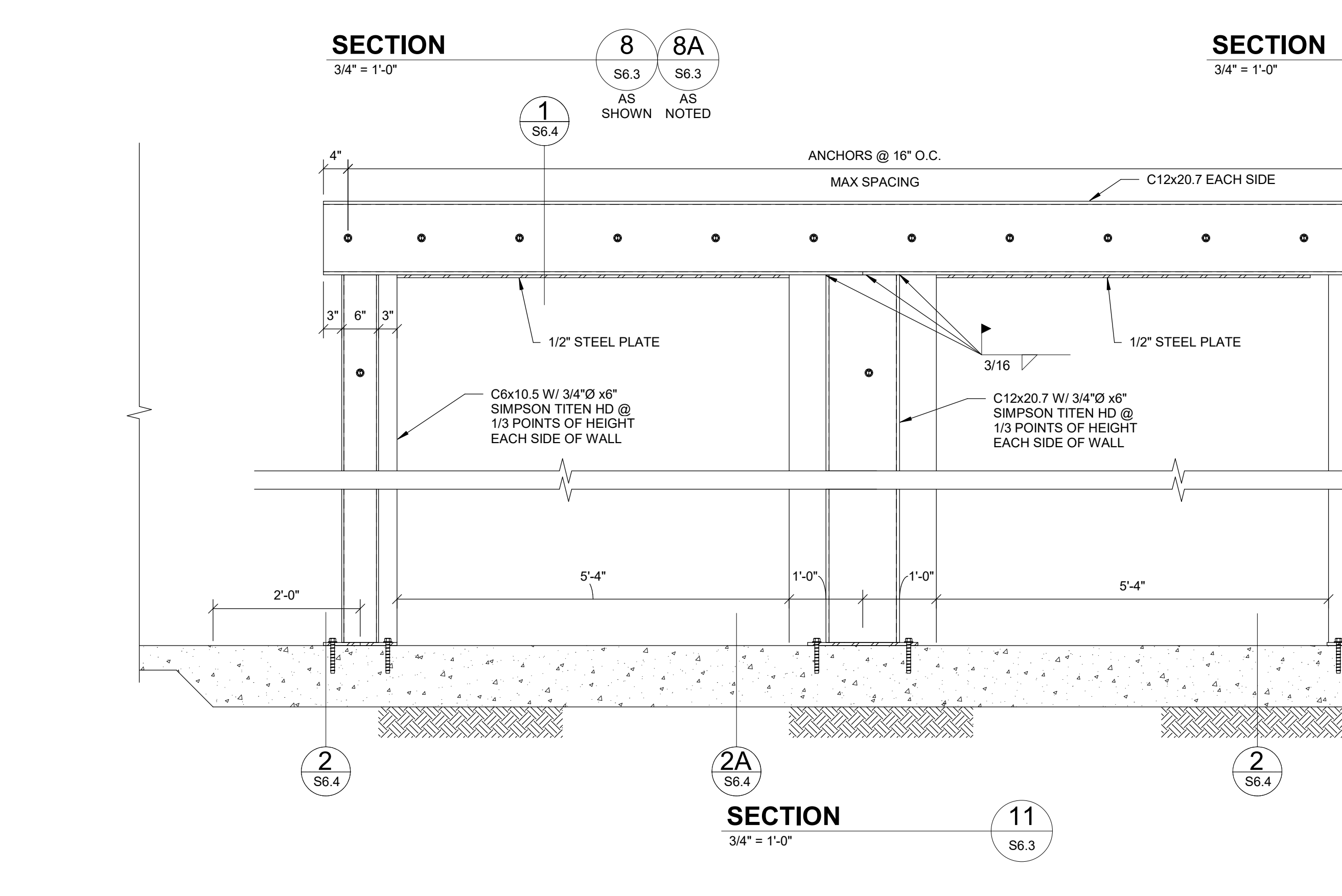
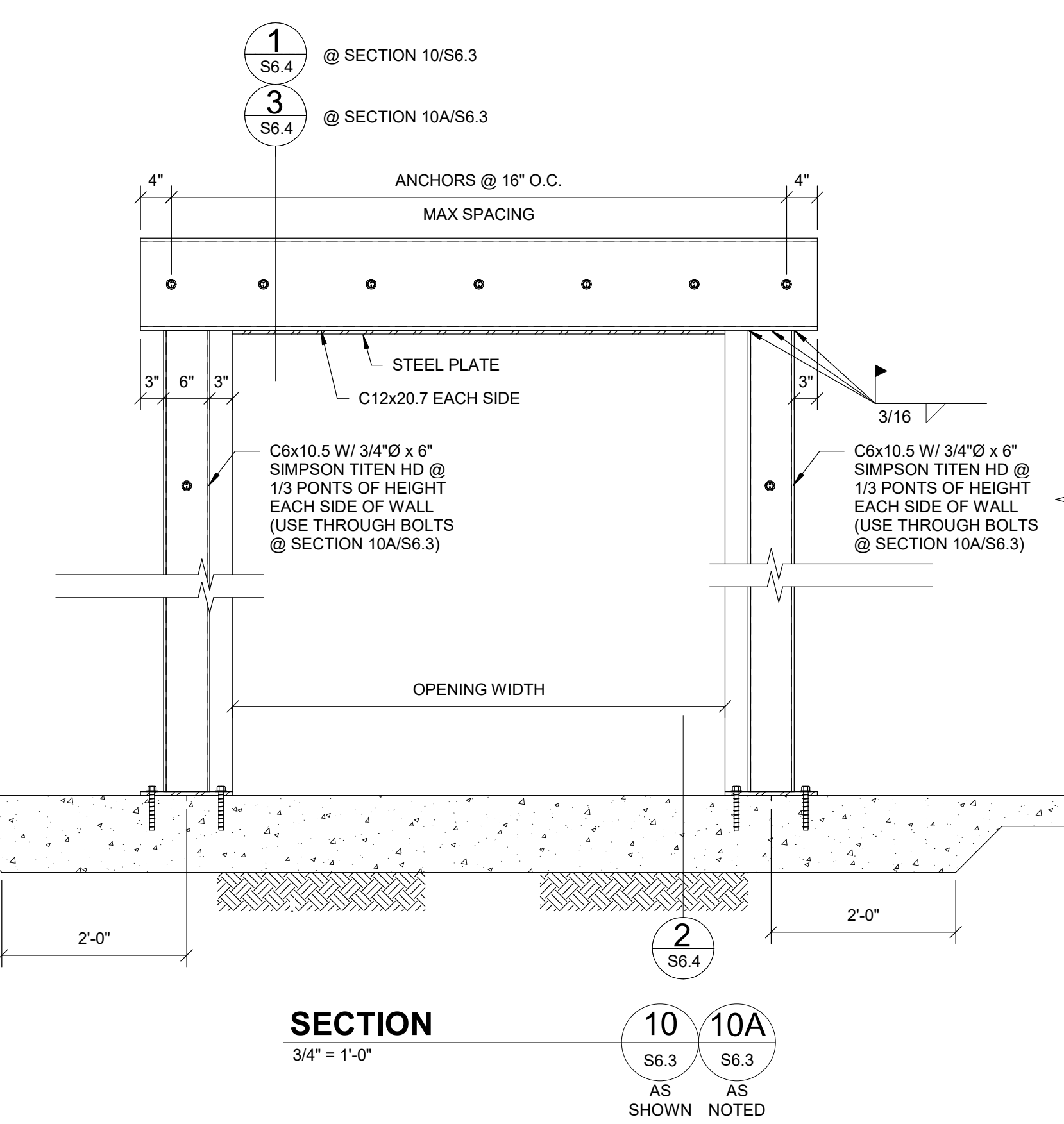
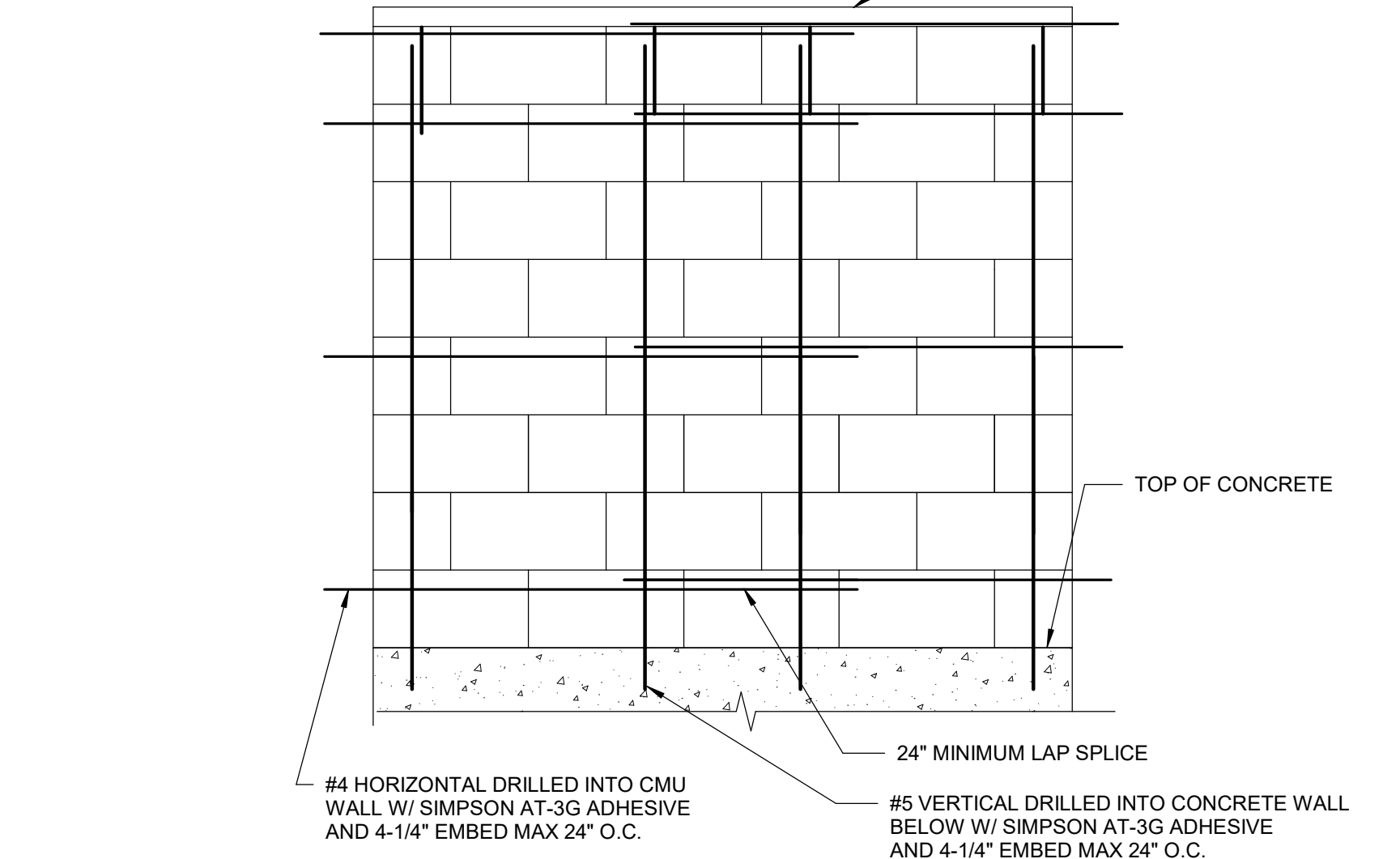
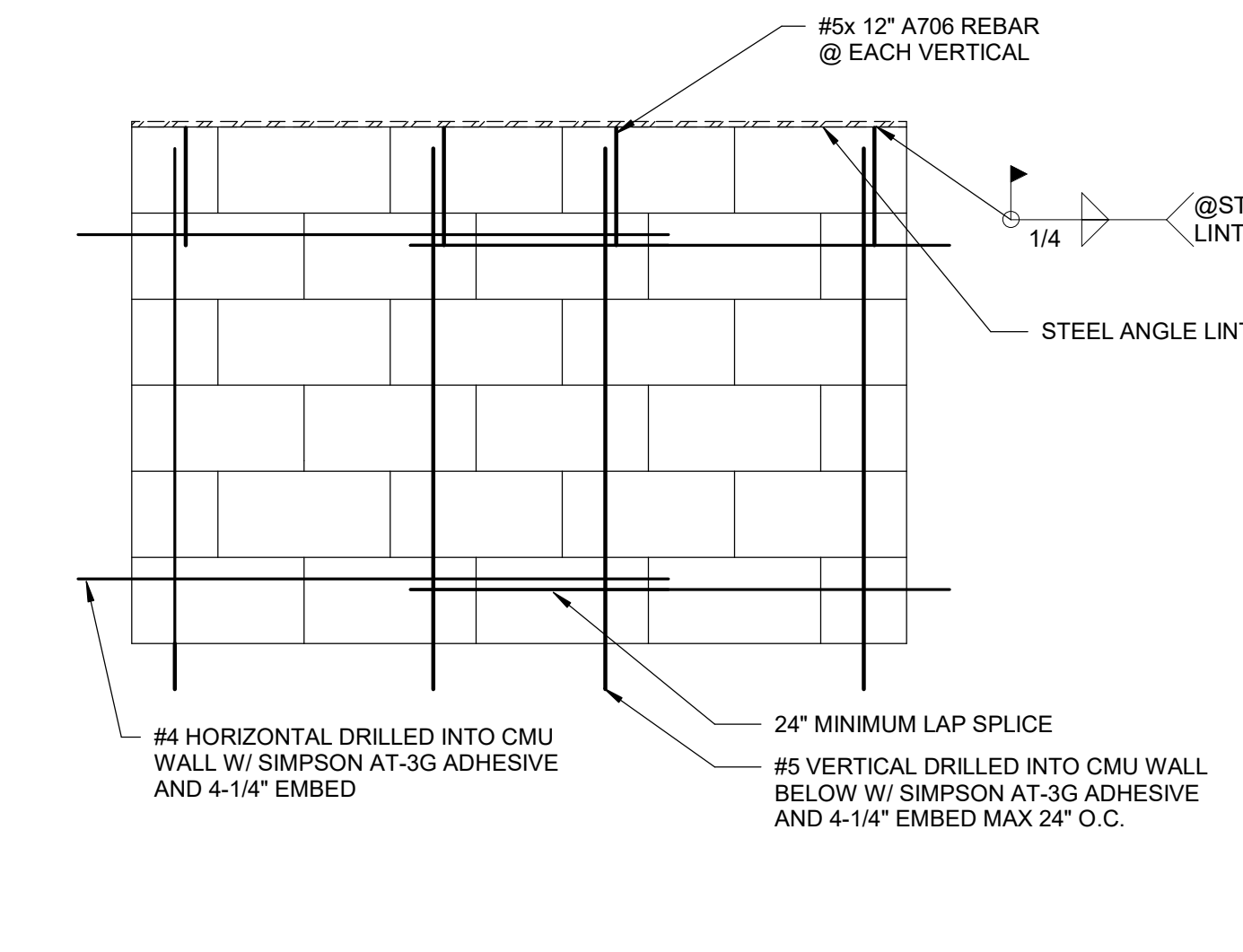
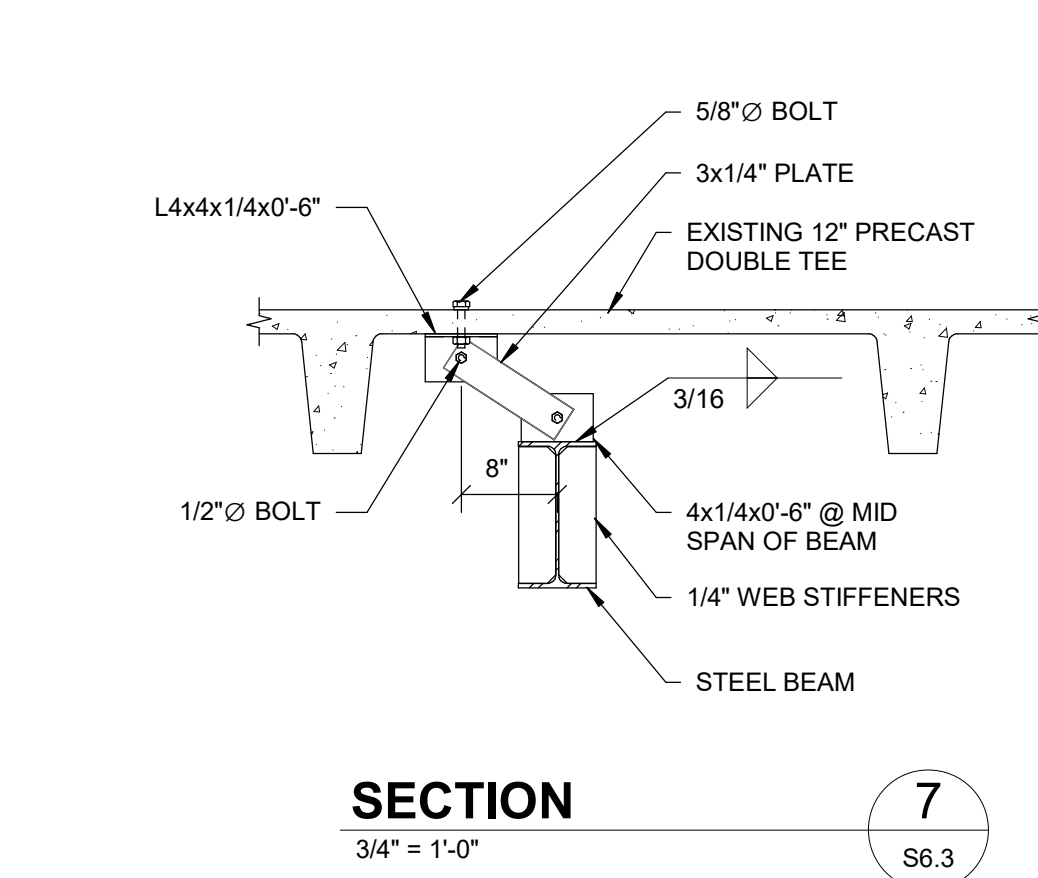
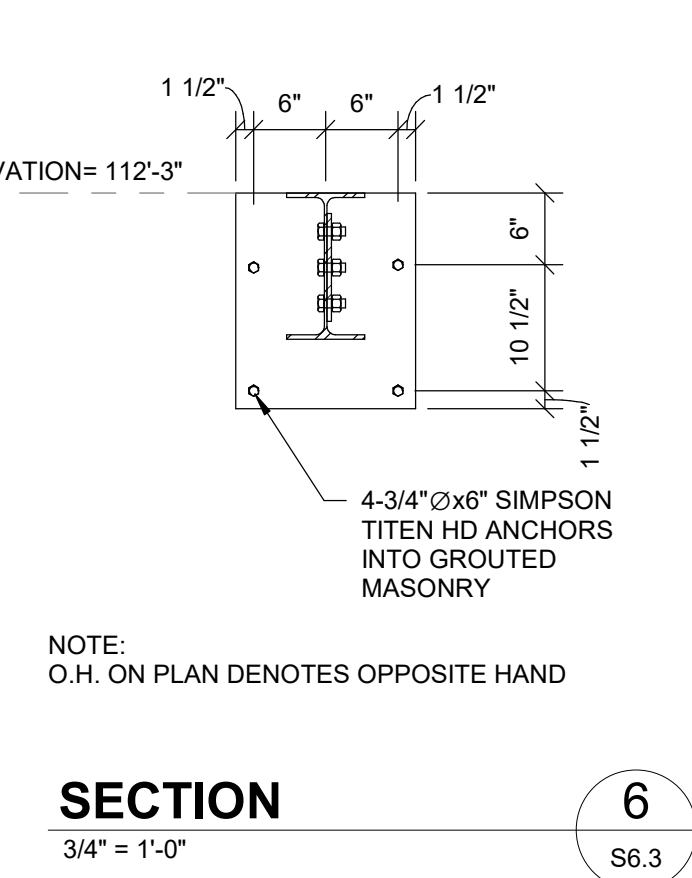
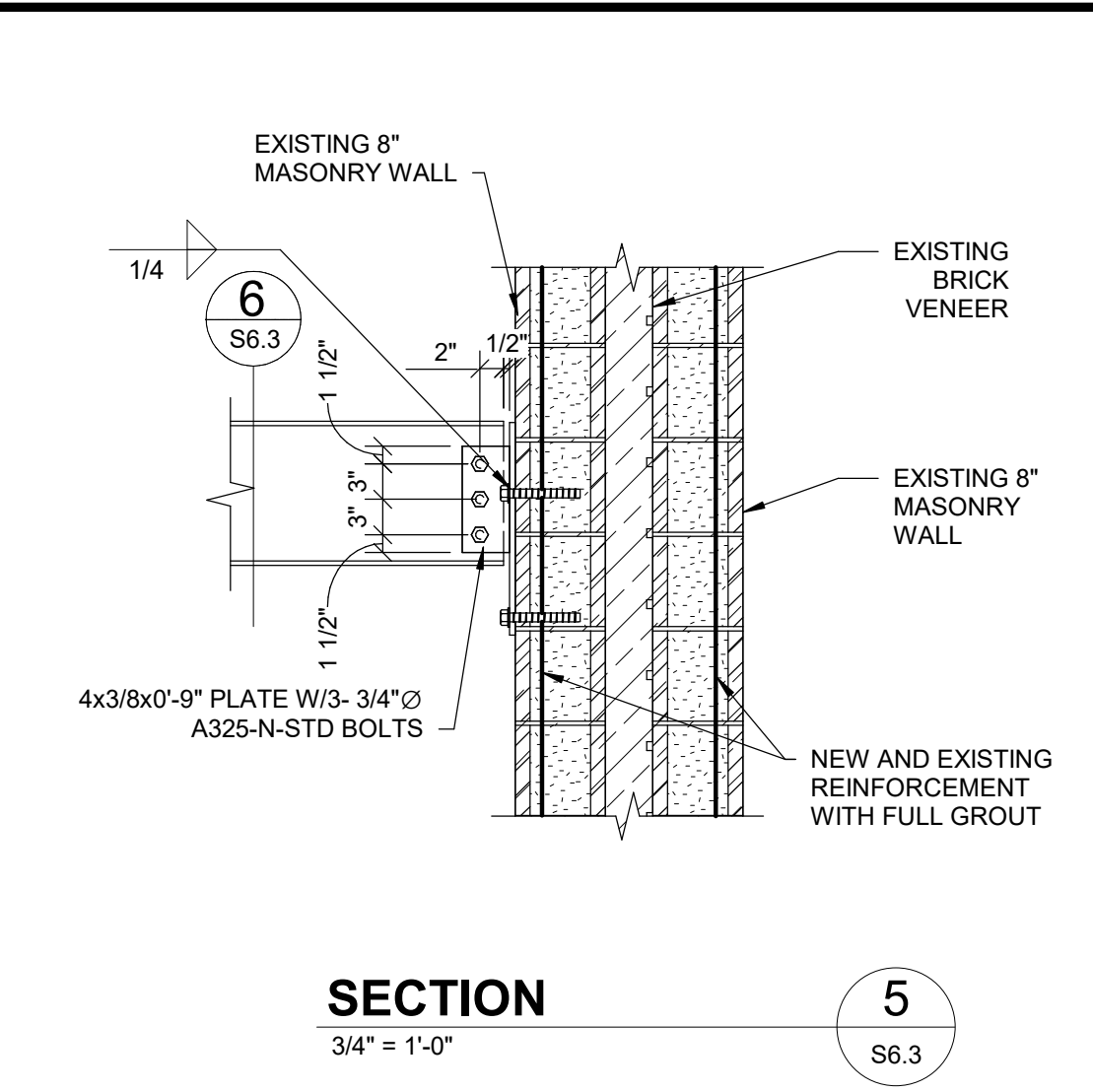
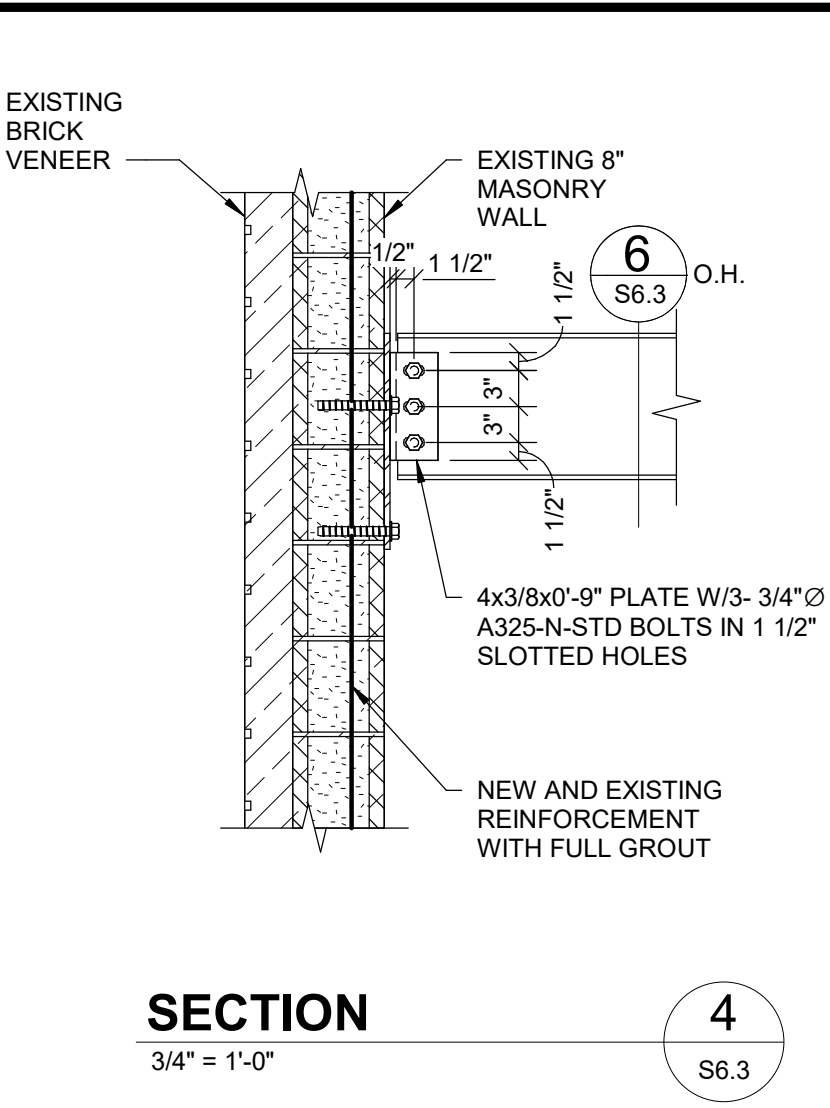
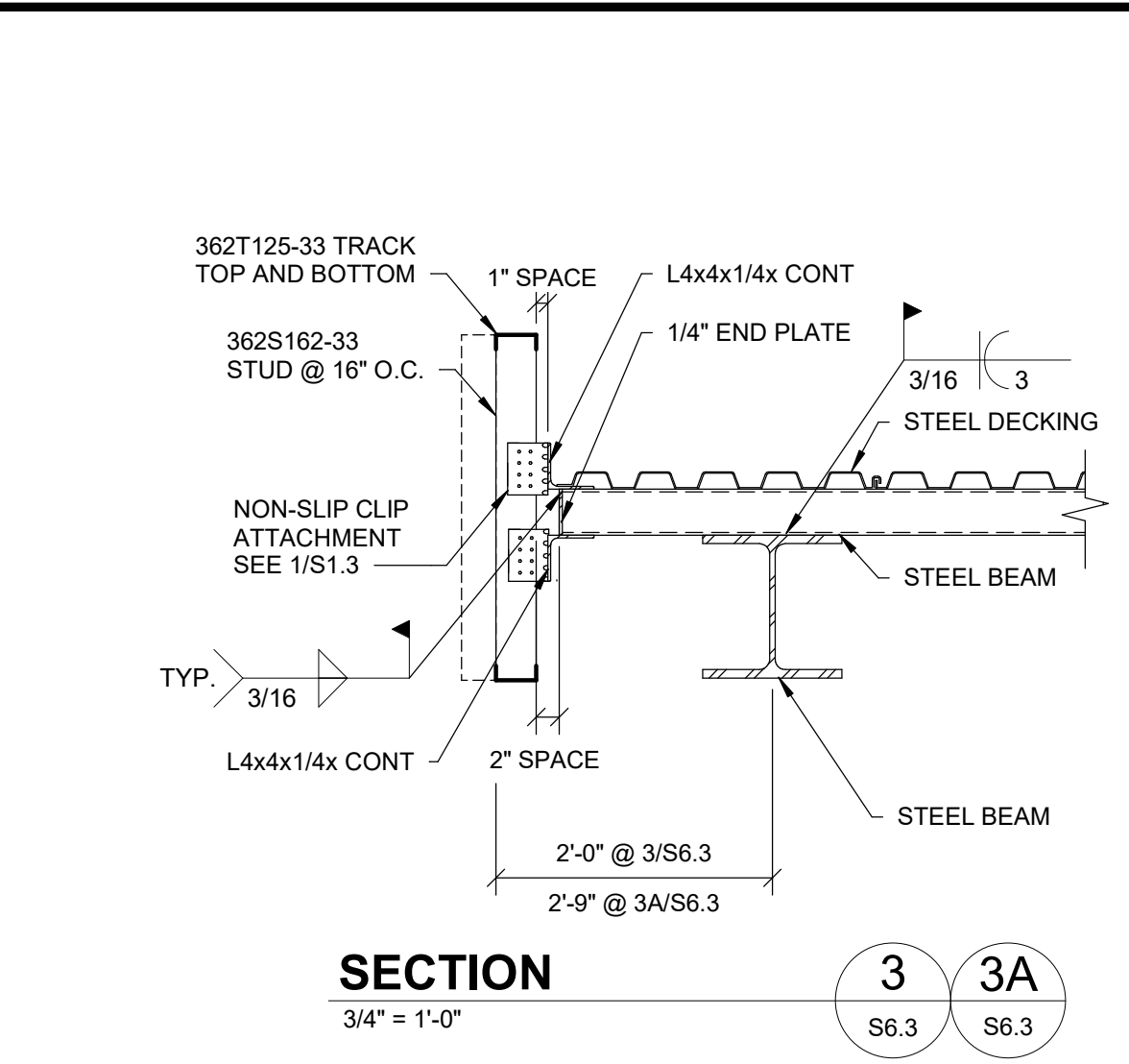
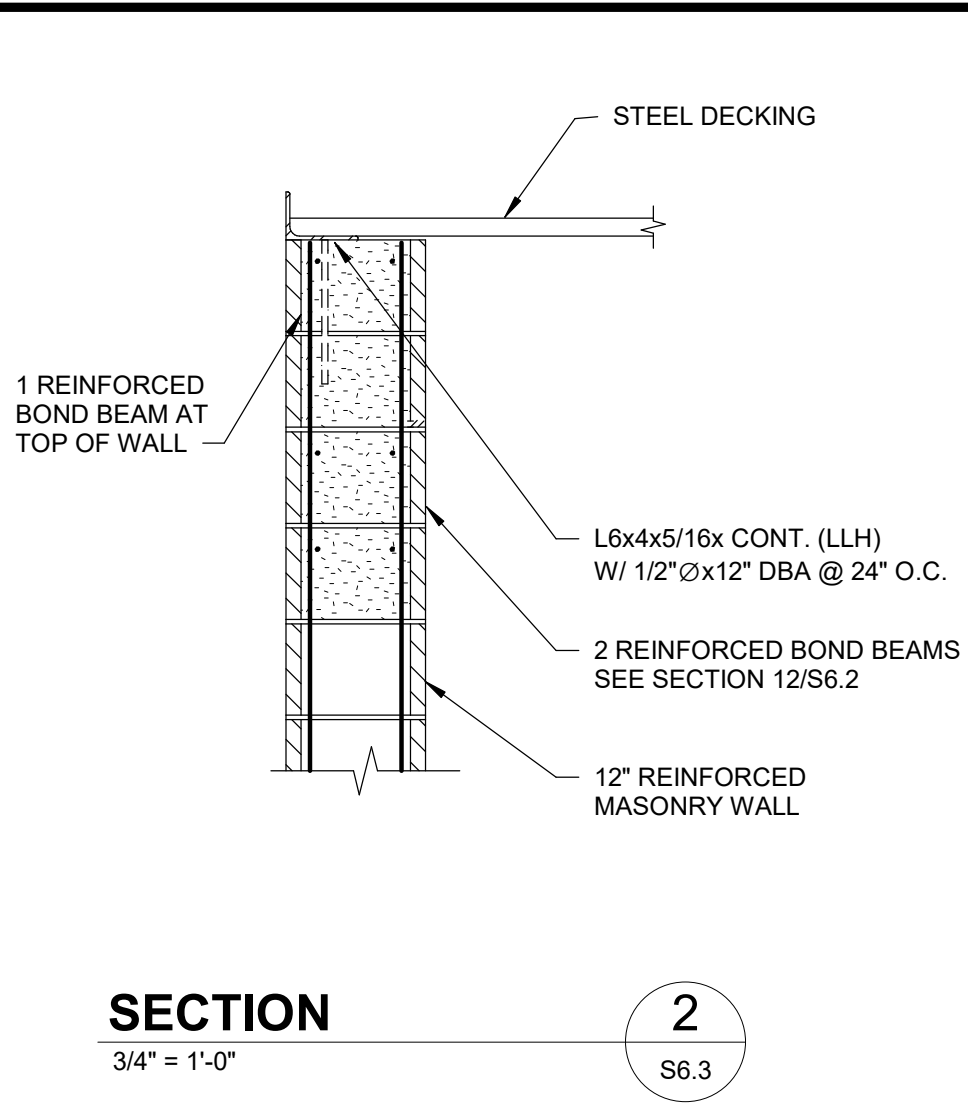
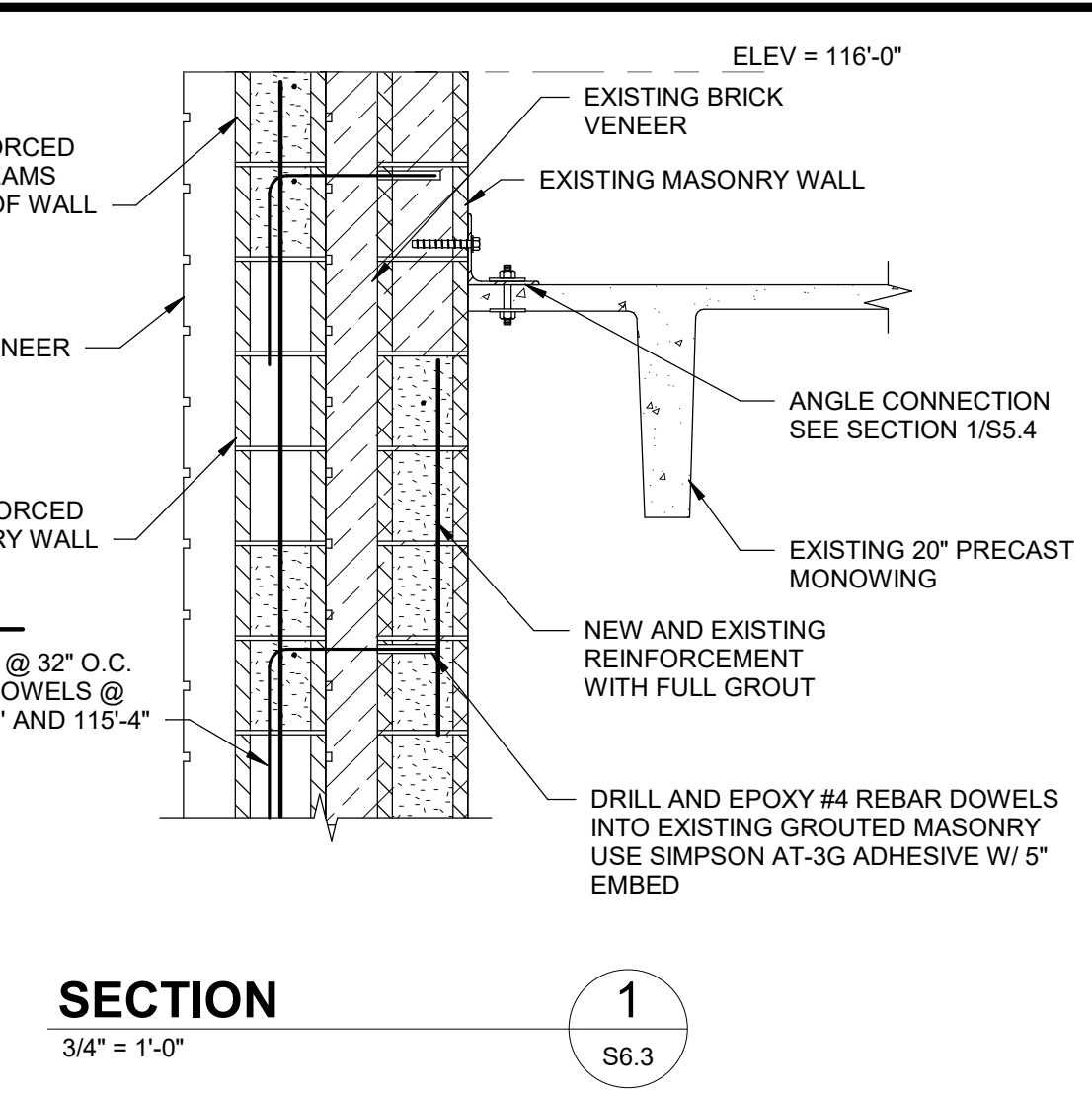
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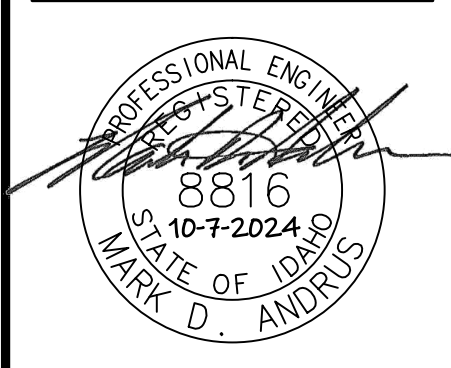
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 PROJECT NUMBER: 24024
 DRAFTER: BC DESIGNER: MA CHECKER:



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REMODEL FOR
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: STRUCTURAL SECTIONS

REVISIONS

PROJECT NO.
 24024
 DATE:
 OCTOBER 2024
 DRAWN BY:
 BC
 CHECKED BY:
 MA

DRAWING NO.:

S6.3

Section & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C302.3 C403.2.5 C403.1	Furnished O&M manuals for HVAC systems within 90 days of system activation.	Complies Does Not Not Observable Not Applicable	
C403.1.1 C403.1.4 C403.1.11	HVAC systems and equipment capacity does not exceed calculated loads. Heating and cooling for each zone is controlled by a thermostat control. Minimum user comfort device humidity/temperature/humidity control.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4	Hot water controls prevent superheated electric resistance heat from coming on when not needed.	Complies Does Not Not Observable Not Applicable	
C403.1.4.1 C403.1.4.2 C403.1.4.3 C403.1.4.4	Thermostatic controls have a 5° deadband. Temperature controls have setback overlap restrictions. Each zone equipped with setback controls using automatic time clock or programmable controls system.	Complies Does Not Not Observable Not Applicable	
C403.1.4.3 C403.1.4.4	Automatic Controls: Setback to 55°F (heat) and 65°F (cool). 7-day clock, 2-hour setback except 10th floor.	Complies Does Not Not Observable Not Applicable	
C403.1.4.2	Systems include optimum start controls.	Complies Does Not Not Observable Not Applicable	
C403.1.4.3	Heat trace installed on supply and discharge piping of circulator/heating systems.	Complies Does Not Not Observable Not Applicable	
C403.1.4.4	All piping installed in accordance with section details and Table C403.13.3.	Complies Does Not Not Observable Not Applicable	
C403.1.4.5	Controls are installed that limit the operation of a circulator pump to a storage tank. System return piping is a dedicated return pipe or a cold water supply pipe.	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.1.1 ME307	Demand control ventilation provided to spaces with 100% outdoor air.	Complies Does Not Not Observable Not Applicable	
C403.1.2 ME1130	Enclosed parking garage ventilation has automatic carbon-dioxide detection and controls.	Complies Does Not Not Observable Not Applicable	
C403.1.3 ME1411	HVAC systems serving guestrooms in Group 1-3 buildings with 100% outdoor air. Each guestroom is provided with controls that measure indoor and outdoor air quality and control fan speed.	Complies Does Not Not Observable Not Applicable	
C403.1.4 ME317	Exhaust air energy recovery on systems exceeds Table C403.7.4(1) and C403.7.4(2).	Complies Does Not Not Observable Not Applicable	
C403.1.5 ME1260	Kitchen exhaust systems comply with ASHRAE 154.2.1.1. Exhaust air is filtered, recirculated, or exhausted to the outdoors.	Complies Does Not Not Observable Not Applicable	
C403.1.5 ME1427	Air exhausters provided where required, meet the requirements for listed capacity, control signal, and integrated economizer controls, and provide means to reduce energy outside air during operation.	Complies Does Not Not Observable Not Applicable	
C403.1.5 ME1240	Air exhausters automatically reduce outdoor air intake to the design minimum based on outdoor air quality. Exhaust air energy usage. See Table C403.7.4.2 for applicable device type and climate zone.	Complies Does Not Not Observable Not Applicable	
C403.1.5 ME1250	Systems capable of reducing excess outdoor air during an economizer operation to prevent over-energizing the building. The relief air duct is provided to prevent recirculation into the building.	Complies Does Not Not Observable Not Applicable	
C403.1.5 ME1250	Return, exhaust/and outdoor air handling systems are provided with motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.4 for details.	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C601.13.2 C601.13.3 C601.13.4	Insulate heating system and freeze protection systems have anchors and anchors comply with code and for pavement temperature above 50°F and outdoor temperature above 45°F.	Complies Does Not Not Observable Not Applicable	

Additional Comments/Assumptions:
 Fan Supply, Constant Volume, 1130 CFM, 0.5 motor nameplate hp, 0.00 fan energy index, fan exception: Single fan < 1 HP or < 0.89 kW

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Quantity System Type & Description	Complies?	Comments/Assumptions
C601.13.2 C601.13.3 C601.13.4	ducted 16 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (duct 36). Capacity = 26 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 1130 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	ducted 48 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (duct 48). Capacity = 48 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 1350 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 05 (Single Zone). Cooling 3 each - VRF Zone Fan Unit (cassette 05). Capacity = 5 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 305 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 09 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (cassette 09). Capacity = 7 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 305 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 12 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (cassette 12). Capacity = 12 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 350 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 18 (Single Zone). Cooling 1 each - VRF Zone Fan Unit (cassette 18). Capacity = 18 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 510 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	WH-4. Electric Storage Water Heater, Capacity: 36 gallons Proposed Efficiency: 95.00%. Required Efficiency: 95.00%	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
 Data File Name: Page 4 of 34

Section & Req. ID	Quantity System Type & Description	Complies?	Comments/Assumptions
C601.13.2 C601.13.3 C601.13.4	ducted 16 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (duct 36). Capacity = 26 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 1130 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	ducted 48 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (duct 48). Capacity = 48 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 1350 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
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C601.13.2 C601.13.3 C601.13.4	Cassette 18 (Single Zone). Cooling 1 each - VRF Zone Fan Unit (cassette 18). Capacity = 18 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 510 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	WH-4. Electric Storage Water Heater, Capacity: 36 gallons Proposed Efficiency: 95.00%. Required Efficiency: 95.00%	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
 Data File Name: Page 1 of 34

Section & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C403.1.1 C403.1.2 C403.1.3	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturer's information, maintenance, and repair instructions and means of adjusting to owner site building, equipment systems are intended to be installed, maintained, and operated.	Complies Does Not Not Observable Not Applicable	
C403.1.4 C403.1.5	Commissioning plan developed by registered design professional or approved agency.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4 C403.1.5	HVAC equipment, systems and system system relationships have been tested to ensure proper operation.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4 C403.1.5	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4 C403.1.5	Economizers have been tested to ensure proper operation.	Complies Does Not Not Observable Not Applicable	
C403.1.4 C403.1.5	Primary commissioning report completed and certified by registered design professional or approved agency.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	Furnished HVAC in-hand drawings submitted within 90 days of system acceptance.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	An air and/or radon system balancing report is provided for HVAC systems.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.1.1 C403.1.2 C403.1.3	Close-circuit cooling tower within 100 feet of condenser coil. System valve or lower leakage control. Minimum flow rate. System shut tower. Minimum flow rate. System shut tower. When to inspect air heat pump water flow. When to inspect air heat pump water flow. When to inspect air heat pump water flow.	Complies Does Not Not Observable Not Applicable	
C403.1.4 C403.1.5	Automatic time switches installed to automatically switch the fan on and off. When to inspect air heat pump water flow. When to inspect air heat pump water flow. When to inspect air heat pump water flow.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	Return, exhaust/and outdoor air handling systems are provided with motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.4 for details.	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
 Data File Name: Page 11 of 34

Section & Req. ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.1.1 C404.1.2 C404.1.3 C404.1.4 C404.1.5 C404.1.6 C404.1.7 C404.1.8 C404.1.9 C404.1.10 C404.1.11 C404.1.12 C404.1.13 C404.1.14 C404.1.15 C404.1.16 C404.1.17 C404.1.18 C404.1.19 C404.1.20 C404.1.21 C404.1.22 C404.1.23 C404.1.24 C404.1.25 C404.1.26 C404.1.27 C404.1.28 C404.1.29 C404.1.30 C404.1.31 C404.1.32 C404.1.33 C404.1.34 C404.1.35 C404.1.36 C404.1.37 C404.1.38 C404.1.39 C404.1.40 C404.1.41 C404.1.42 C404.1.43 C404.1.44 C404.1.45 C404.1.46 C404.1.47 C404.1.48 C404.1.49 C404.1.50 C404.1.51 C404.1.52 C404.1.53 C404.1.54 C404.1.55 C404.1.56 C404.1.57 C404.1.58 C404.1.59 C404.1.60 C404.1.61 C404.1.62 C404.1.63 C404.1.64 C404.1.65 C404.1.66 C404.1.67 C404.1.68 C404.1.69 C404.1.70 C404.1.71 C404.1.72 C404.1.73 C404.1.74 C404.1.75 C404.1.76 C404.1.77 C404.1.78 C404.1.79 C404.1.80 C404.1.81 C404.1.82 C404.1.83 C404.1.84 C404.1.85 C404.1.86 C404.1.87 C404.1.88 C404.1.89 C404.1.90 C404.1.91 C404.1.92 C404.1.93 C404.1.94 C404.1.95 C404.1.96 C404.1.97 C404.1.98 C404.1.99 C404.1.100	Complies Does Not Not Observable Not Applicable		

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C403.1.1 C403.1.2 C403.1.3	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturer's information, maintenance, and repair instructions and means of adjusting to owner site building, equipment systems are intended to be installed, maintained, and operated.	Complies Does Not Not Observable Not Applicable	
C403.1.4 C403.1.5	Commissioning plan developed by registered design professional or approved agency.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4 C403.1.5	HVAC equipment, systems and system system relationships have been tested to ensure proper operation.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4 C403.1.5	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	Complies Does Not Not Observable Not Applicable	
C403.1.3 C403.1.4 C403.1.5	Economizers have been tested to ensure proper operation.	Complies Does Not Not Observable Not Applicable	
C403.1.4 C403.1.5	Primary commissioning report completed and certified by registered design professional or approved agency.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	Furnished HVAC in-hand drawings submitted within 90 days of system acceptance.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	An air and/or radon system balancing report is provided for HVAC systems.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Quantity System Type & Description	Complies?	Comments/Assumptions
C601.13.2 C601.13.3 C601.13.4	ducted 16 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (duct 36). Capacity = 26 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 1130 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	ducted 48 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (duct 48). Capacity = 48 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 1350 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 05 (Single Zone). Cooling 3 each - VRF Zone Fan Unit (cassette 05). Capacity = 5 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 305 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 09 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (cassette 09). Capacity = 7 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 305 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 12 (Single Zone). Cooling 2 each - VRF Zone Fan Unit (cassette 12). Capacity = 12 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 350 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	Cassette 18 (Single Zone). Cooling 1 each - VRF Zone Fan Unit (cassette 18). Capacity = 18 kBtu/h. No Economizer. Economizer exception: VRF systems installed with a DODS. No minimum efficiency requirement applies. Fan System: 510 - Compliance (Motor nameplate HP and fan efficiency method) - Passes	Complies Does Not Not Observable Not Applicable	
C601.13.2 C601.13.3 C601.13.4	WH-4. Electric Storage Water Heater, Capacity: 36 gallons Proposed Efficiency: 95.00%. Required Efficiency: 95.00%	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
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Section & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.7 C405.8 C405.9 C405.10 C405.11 C405.12 C405.13 C405.14 C405.15 C405.16 C405.17 C405.18 C405.19 C405.20 C405.21 C405.22 C405.23 C405.24 C405.25 C405.26 C405.27 C405.28 C405.29 C405.30 C405.31 C405.32 C405.33 C405.34 C405.35 C405.36 C405.37 C405.38 C405.39 C405.40 C405.41 C405.42 C405.43 C405.44 C405.45 C405.46 C405.47 C405.48 C405.49 C405.50 C405.51 C405.52 C405.53 C405.54 C405.55 C405.56 C405.57 C405.58 C405.59 C405.60 C405.61 C405.62 C405.63 C405.64 C405.65 C405.66 C405.67 C405.68 C405.69 C405.70 C405.71 C405.72 C405.73 C405.74 C405.75 C405.76 C405.77 C405.78 C405.79 C405.80 C405.81 C405.82 C405.83 C405.84 C405.85 C405.86 C405.87 C405.88 C405.89 C405.90 C405.91 C405.92 C405.93 C405.94 C405.95 C405.96 C405.97 C405.98 C405.99 C405.100	Complies Does Not Not Observable Not Applicable		

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
 Data File Name: Page 12 of 34

Section & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.1.1 C403.1.2 C403.1.3	Close-circuit cooling tower within 100 feet of condenser coil. System valve or lower leakage control. Minimum flow rate. System shut tower. Minimum flow rate. System shut tower. When to inspect air heat pump water flow. When to inspect air heat pump water flow. When to inspect air heat pump water flow.	Complies Does Not Not Observable Not Applicable	
C403.1.4 C403.1.5	Automatic time switches installed to automatically switch the fan on and off. When to inspect air heat pump water flow. When to inspect air heat pump water flow. When to inspect air heat pump water flow.	Complies Does Not Not Observable Not Applicable	
C403.1.5 C403.1.6	Return, exhaust/and outdoor air handling systems are provided with motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.4 for details.	Complies Does Not Not Observable Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: IDAHO STATE POLICE DISTRICT #6 Report date: 10/08/24
 Data File Name: Page 9 of 34

Section & Req. ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.1.1 C404.1.2 C404.1.3 C404.1.4 C404.1.5 C404.1.6 C404.1.7 C404.1.8 C404.1.9 C404.1.10 C404.1.11 C404.1.12 C404.1.13 C404.1.14 C404.1.15 C404.1.16 C404.1.17 C404.1.18 C404.1.19 C404.1.20 C404.1.21 C404.1.22 C404.1.23 C404.1.24 C404.1.25 C404.1.26 C404.1.27 C404.1.28 C404.1.29 C404.1.30 C404.1			

Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
 in accordance with the compliance with the
 mark-ups and notes applied.
 This approval shall not be construed to be
 an approval of any violation of, or variance
 from, Idaho's adopted codes, standards,
 laws or rules applicable to this project.

10/25/2024 3:40:06 PM Autodesk Docs://DPW 22511 ISP District 6 HQ/24-3008 -Idaho State Police D6 HQ Revisions_MP.rvt

KEYNOTES

- MD-4 REMOVE (E) ROOF EQUIPMENT, (E) ASSOCIATED DUCTWORK, AND (E) ASSOCIATED PIPING COMPLETELY. COORDINATE ROOF CURB REMOVAL AND PATCH WORK WITH GC.
- MD-5 REMOVE (E) DRY COOLER ROOF EQUIPMENT ASSOCIATED WITH (E) CRAC UNITS COMPLETELY INCLUDING ALL PIPING. CONTRACTOR TO COORDINATE STORING (E) UNITS WITH GC / OWNER FOR USE AT ANOTHER FACILITY. PROPERLY EVACUATE AND DISPOSE OF GLYCOL AND REFRIGERANT PER EPA REQUIREMENTS.
- MD-9 REMOVE (E) PIPING COMPLETELY.

PLAN NOTES

- A. EXISTING DUCTWORK LOCATIONS AND SIZES ARE SHOWN FOR REFERENCE AND ARE BASED ON PREVIOUS DRAWINGS AND SITE VISITS. VERIFY LOCATIONS AND SIZES IN FIELD.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 SHEET TITLE: MECHANICAL DEMOLITION ROOF PLAN - MAIN BUILDING

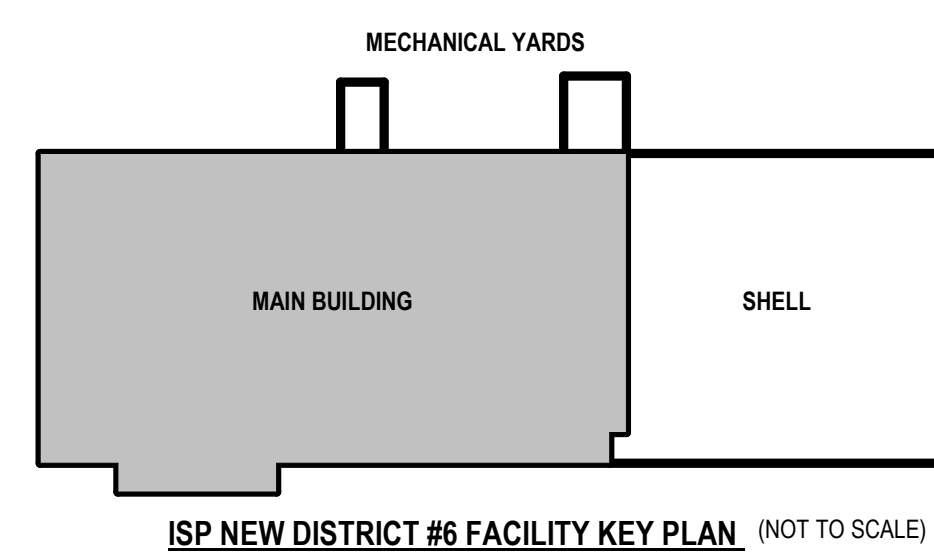
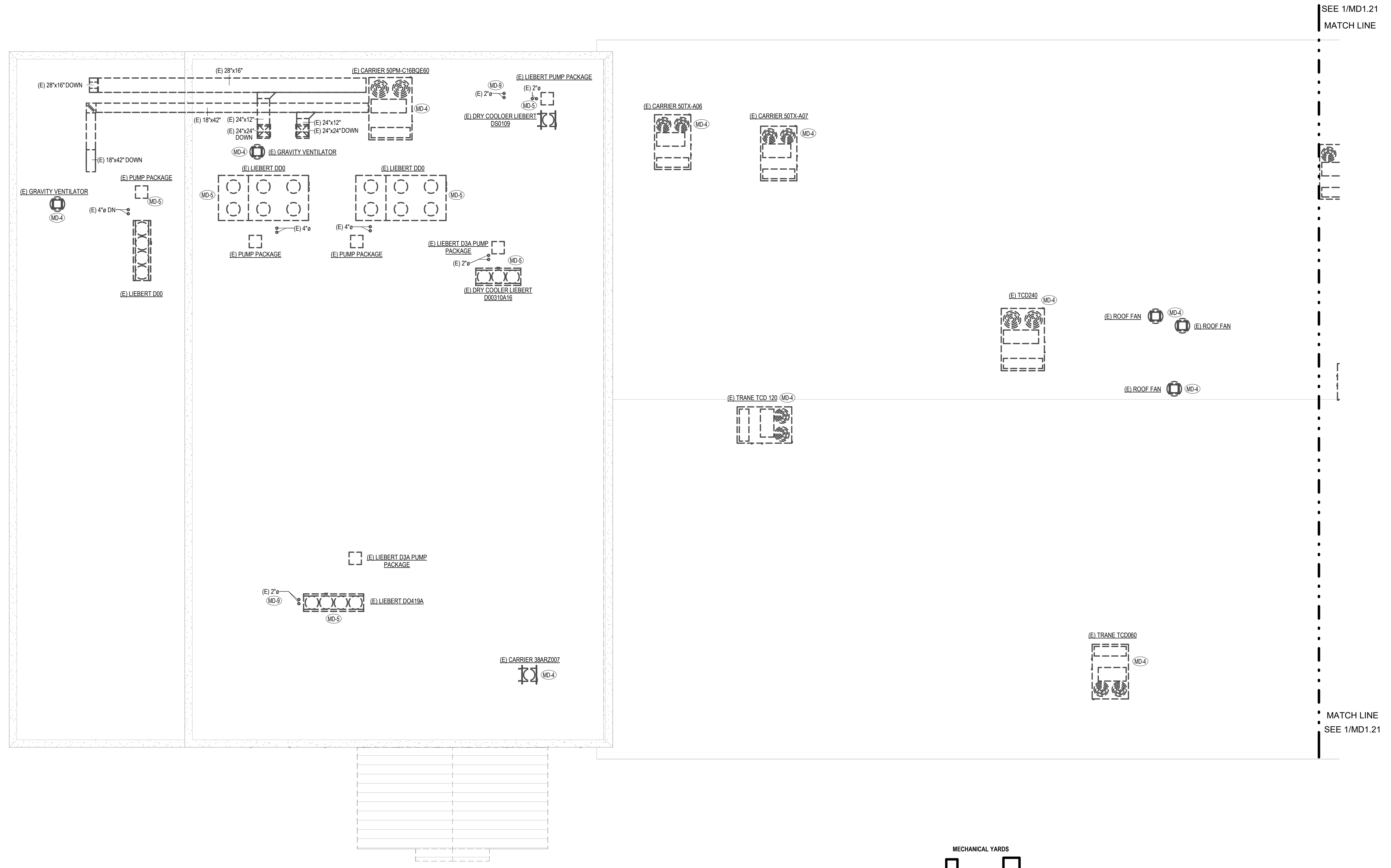
PROJECT:
 REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 AUGUST 2024
 DRAWN BY:
 JM
 CHECKED BY:
 JJ

DRAWING NO.:

MD1.20



ES INCORPORATED

IMEG
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PROJECT #24-3008_C23

MECHANICAL DEMOLITION ROOF PLAN - MAIN BUILDING
 SCALE: 1/8" = 1'-0"

Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
 in accordance with the
 provisions of the Idaho Building Code
 and rules applicable to this project.

KEYNOTES

- MD-4 REMOVE (E) ROOF EQUIPMENT, (E) ASSOCIATED DUCTWORK, AND (E) ASSOCIATED PIPING COMPLETELY. COORDINATE ROOF CURB REMOVAL AND PATCH WORK WITH GC.
- MD-11 REMOVE (E) GOOSENECK DUCTWORK. COORDINATE PATCH WORK WITH GC.

PLAN NOTES

- A. EXISTING DUCTWORK LOCATIONS AND SIZES ARE SHOWN FOR REFERENCE AND ARE BASED ON PREVIOUS DRAWINGS AND SITE VISITS. VERIFY LOCATIONS AND SIZES IN FIELD.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY

1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

MECHANICAL DEMOLITION ROOF PLAN - SHELL

PROJECT:

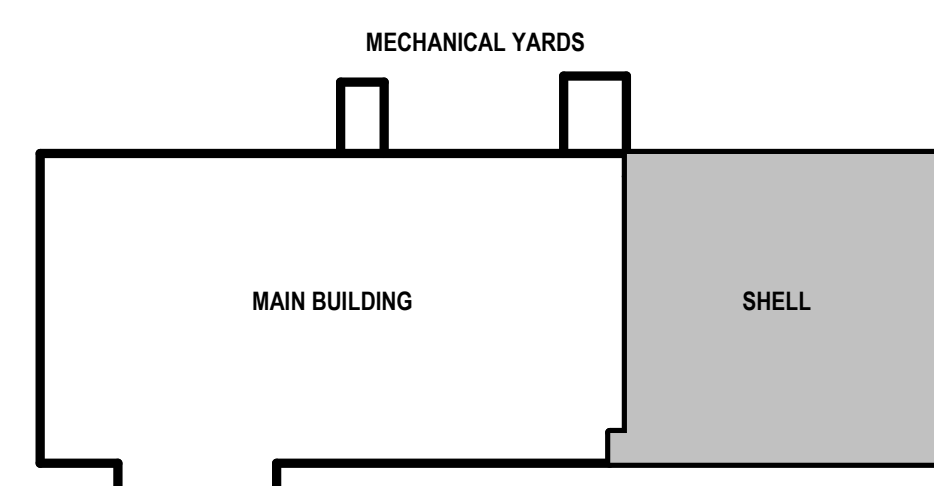
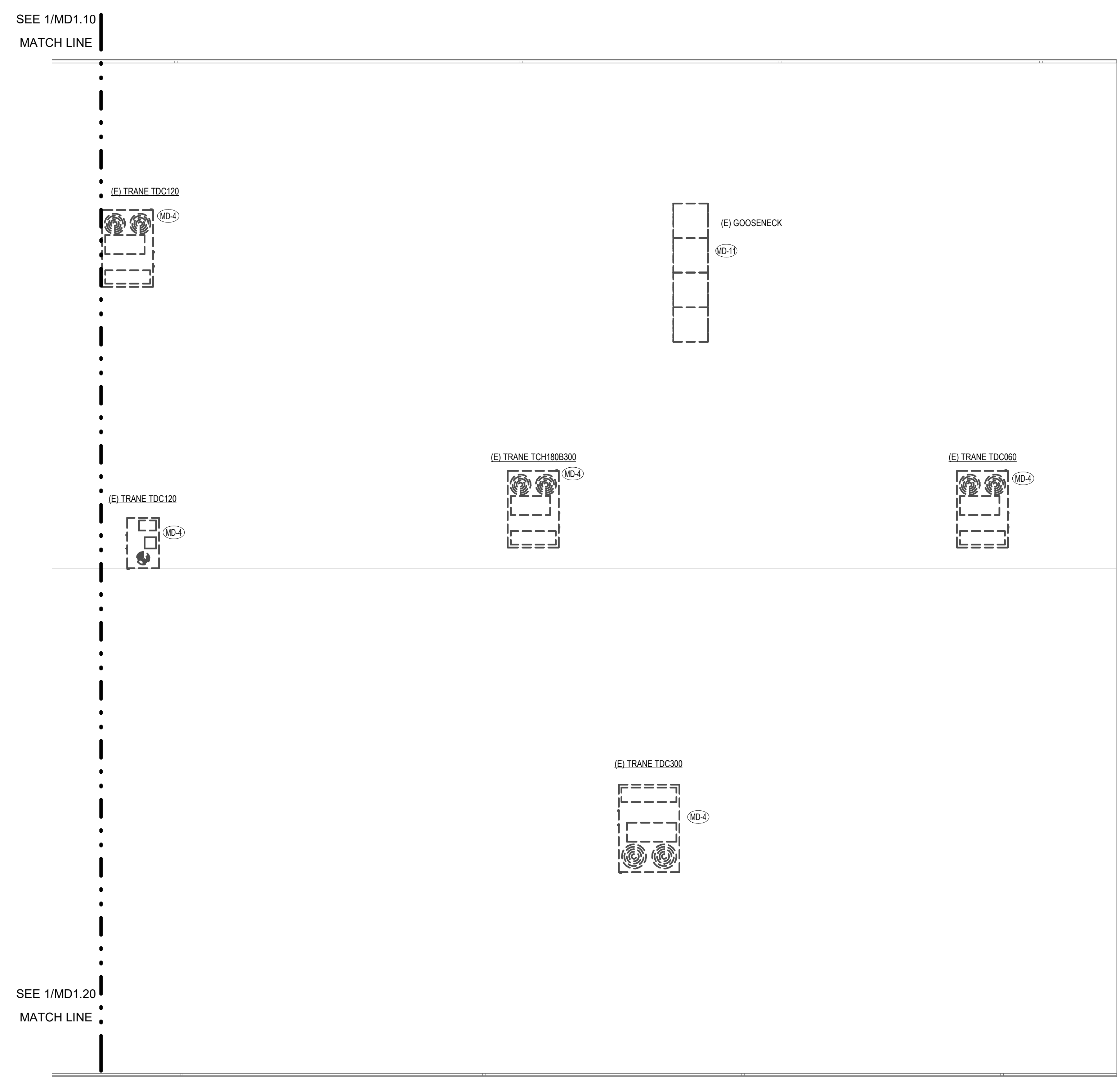
REVISIONS

NO.	DESCRIPTION

PROJECT NO.
21034
 DATE:
AUGUST 2024
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JM
 CHECKED BY:
JJ

DRAWING NO.:

MD1.21



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MECHANICAL DEMOLITION ROOF PLAN - SHELL
 SCALE: 1/8" = 1'-0"

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KEYNOTES

- M20 THERMOSTAT TO BE INTERLOCKED WITH BOTH FC UNITS.
- M21 PROVIDE MOTORIZED DAMPER. REFER TO SEQUENCE OF OPERATIONS FOR CONTROLS.
- M22 DUCT FROM MAIN TO FC TO BE LINED AS INDICATED FOR SOUND DAMPENING.
- M30 DUCT TO BE EXPOSED SPIRAL.
- M34 NO FIRE DAMPER REQUIRED PER MECHANICAL CODE 607.5.3 EXCEPTION 4. DUCT TO BE CONSTRUCTED OF MINIMUM 26 GAUGE SHEET METAL.

KEYNOTES

- M10 INSTALL VENT AND COMBUSTION AIR PIPING FROM WATER HEATER AND TERMINATE AT ROOF PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. FIELD VERIFY FINAL ROUTING. COORDINATE FINAL TERMINATION LOCATION WITH GENERAL CONTRACTOR TO MAINTAIN MIN 10" HORIZONTAL SEPARATION FROM FRESH AIR INTAKE INTO BUILDING AND MINIMUM 3' FROM OPERABLE OPENING INTO THE BUILDING. PROVIDE UL LISTED FIRE COLLAR AT RATED ASSEMBLY PENETRATIONS.
- M12 CONNECT VENTILATION DUCT TO VENTILATION KNOCKOUT OF UNIT.
- M13 DUCTWORK INTENDED TO BE ROUTED THROUGH TRUSSES.
- M18 FC-1.29 AND FC-2.28 SPACE TEMPERATURE SET POINT TO BE 75 DEGREES AND 80 DEGREES FOR FC-3 AND FC-4.

KEYNOTES

- M2 FAN COIL UNIT INTENDED TO BE INSTALLED BETWEEN TRUSSES AND ASSOCIATED DUCTWORK TO BE ROUTED THROUGH TRUSSES.
- M6 DUCT TO BE EXPOSED SPIRAL IN BULK EVIDENCE BAY AND ROUTED UNDER TRUSSES.
- M7 BALANCE MANUAL DAMPER TO NOTED CFM
- M8 RETURN DUCT TO ELBOW UP 90 DEGREES. RETURN DUCT TO MATCH RETURN OPENING OF FILTER SECTION AND RETURN OPENING IN TOP OF DUCT TO BE TWICE THE HEIGHT OF THE DUCT.
- M9 LOCATE MSB ABOVE NON SOUND SENSITIVE AREAS. COORDINATE FINAL LOCATION WITH ARCHITECT AND OWNER.

PLAN NOTES

- A REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATION BASED ON FINAL FIELD ROUTING. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING FROM OUTDOOR UNIT TO CORRESPONDING INDOOR UNIT ABOVE CEILING AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
- B DO NOT FABRICATE OR PURCHASE DUCTWORK OR EQUIPMENT PRIOR TO CONFIRMING ALL ROUTING AND INSTALLATION REQUIREMENTS WITH ALL TRADES.
- C PROVIDE A SEPARATE DUCT RUNOUT FROM EACH AIR DEVICE TO THE NEAREST DUCT MAIN. DUCT RUNOUTS TO MATCH AIR DEVICE NECK SIZE UNLESS NOTED OTHERWISE.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 MECHANICAL FLOOR PLAN - MAIN BUILDING

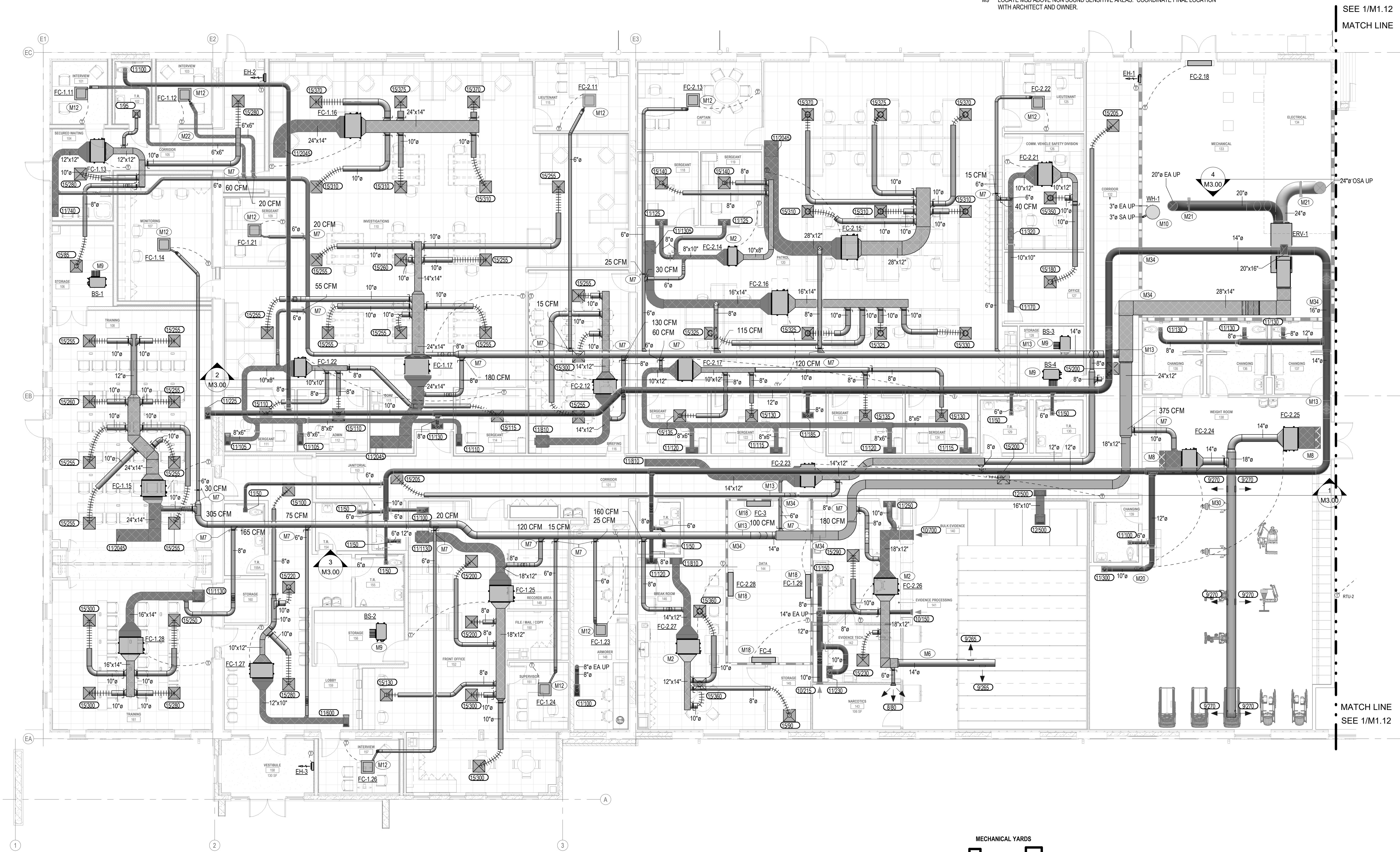
PROJECT:
 SHEET TITLE:

NO.	REVISIONS

PROJECT NO. 21034
 DATE: AUGUST 2024
 DRAWN BY: JM
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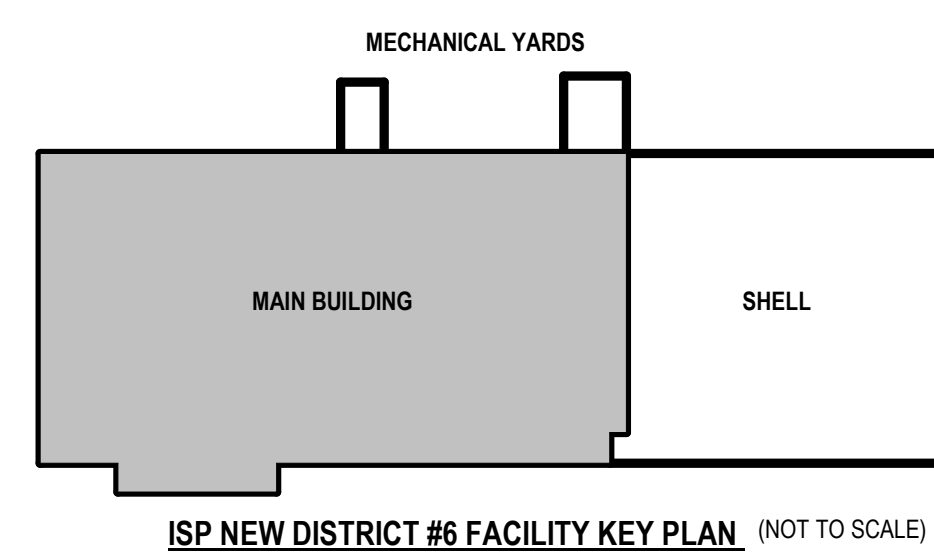
M1.10



SEE 1/M1.12
 MATCH LINE

MATCH LINE
 SEE 1/M1.12

MECHANICAL FLOOR PLAN - MAIN BUILDING
 SCALE: 1/8" = 1'-0"



ISP NEW DISTRICT #6 FACILITY KEY PLAN (NOT TO SCALE)

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PROJECT #24_308_C23

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 State of Idaho
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KEYNOTES

- PLAN NOTES**
- A. REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATION BASED ON FINAL FIELD ROUTING. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING FROM OUTDOOR UNIT TO CORRESPONDING INDOOR UNIT ABOVE CEILINGS AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
 - B. DO NOT FABRICATE OR PURCHASE DUCTWORK OR EQUIPMENT PRIOR TO CONFIRMING ALL ROUTING AND INSTALLATION REQUIREMENTS WITH ALL TRADES.
 - C. PROVIDE A SEPARATE DUCT RUNOUT FROM EACH AIR DEVICE TO THE NEAREST DUCT MAIN. DUCT RUNOUTS TO MATCH AIR DEVICE NECK SIZE UNLESS NOTED OTHERWISE.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

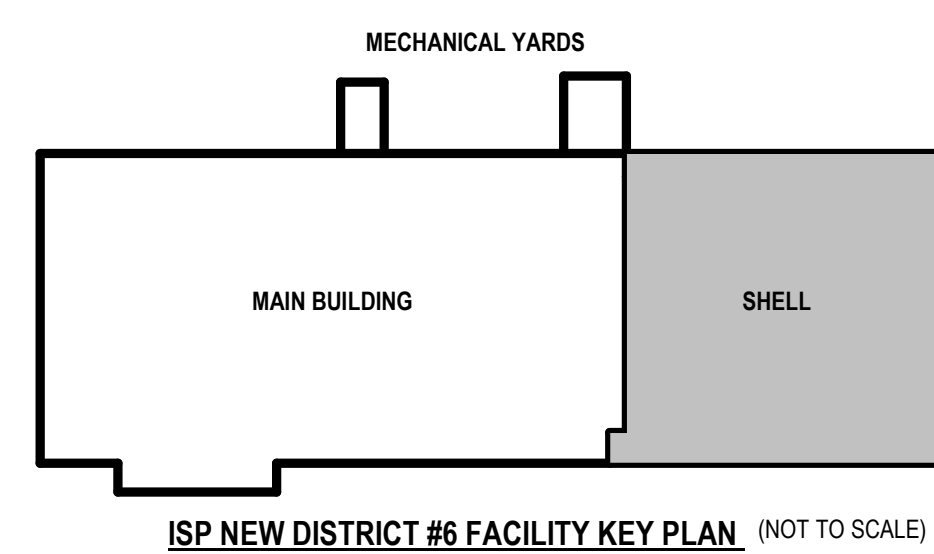
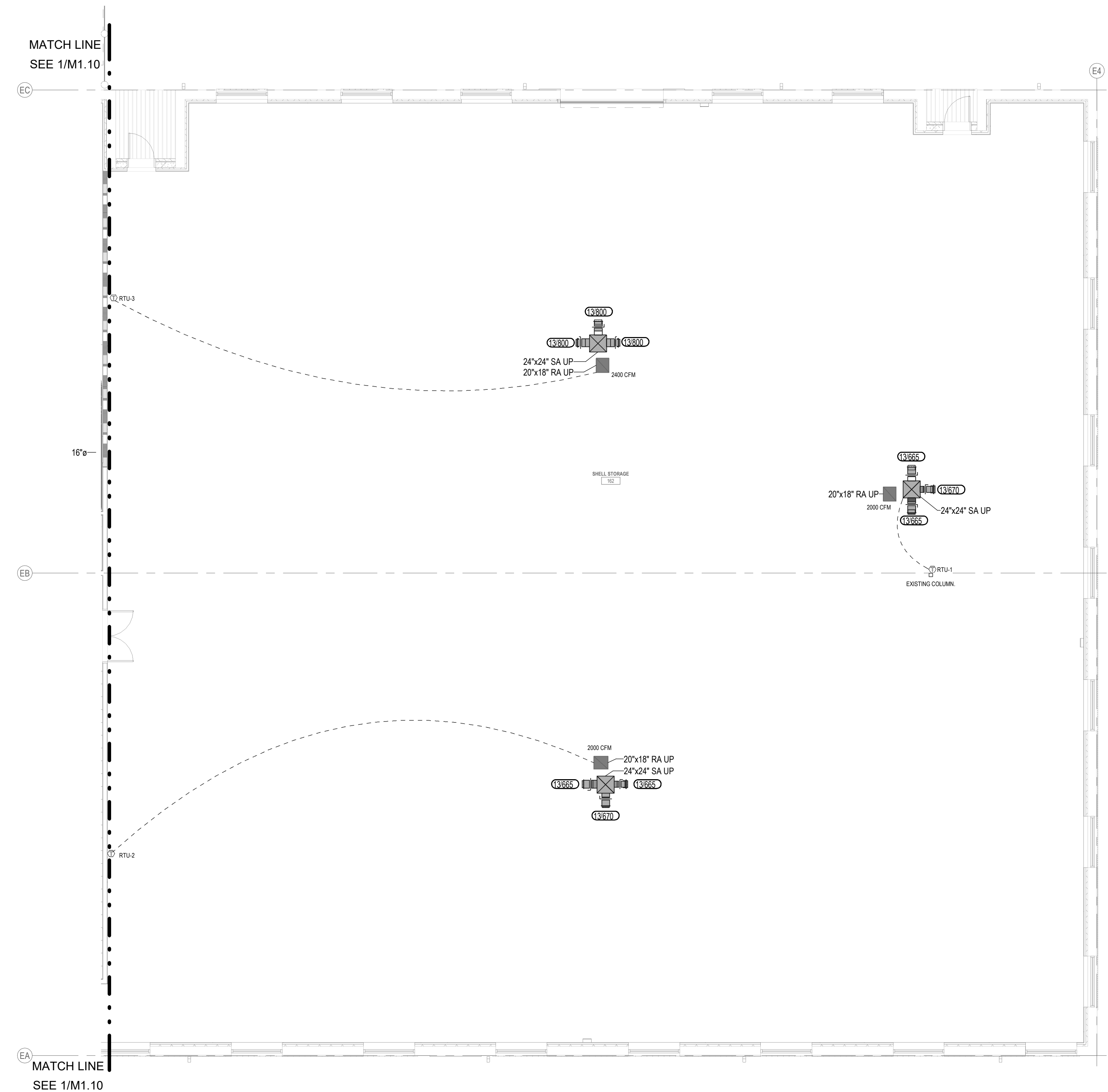
PROJECT:
 SHEET TITLE: MECHANICAL FLOOR PLAN - SHELL

REVISIONS

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PROJECT NO. 21034
 DATE: AUGUST 2024
 DRAWN BY: JM
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DRAWING NO.: **M1.12**



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MECHANICAL FLOOR PLAN - SHELL
 SCALE: 1/8" = 1'-0"

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KEYNOTES

- M10 INSTALL VENT AND COMBUSTION AIR PIPING FROM WATER HEATER AND TERMINATE AT ROOF PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. FIELD VERIFY FINAL ROUTING. COORDINATE FINAL TERMINATION LOCATION WITH GENERAL CONTRACTOR TO MAINTAIN MIN 10' HORIZONTAL SEPARATION FROM FRESH AIR INTAKE INTO BUILDING AND MINIMUM 3' FROM OPERABLE OPENING INTO THE BUILDING. PROVIDE UL LISTED FIRE COLLAR AT RATED ASSEMBLY PENETRATIONS.
- M11 ERV OSA INTAKE TO BE MINIMUM OF 20 FEET FROM ALL EXHAUST.

PLAN NOTES

- A. REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATION BASED ON FINAL FIELD ROUTING. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING FROM OUTDOOR UNIT TO CORRESPONDING INDOOR UNIT ABOVE CEILINGS AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
- B. DO NOT FABRICATE OR PURCHASE DUCTWORK OR EQUIPMENT PRIOR TO CONFIRMING ALL ROUTING AND INSTALLATION REQUIREMENTS WITH ALL TRADES.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 MECHANICAL ROOF PLAN - MAIN BUILDING

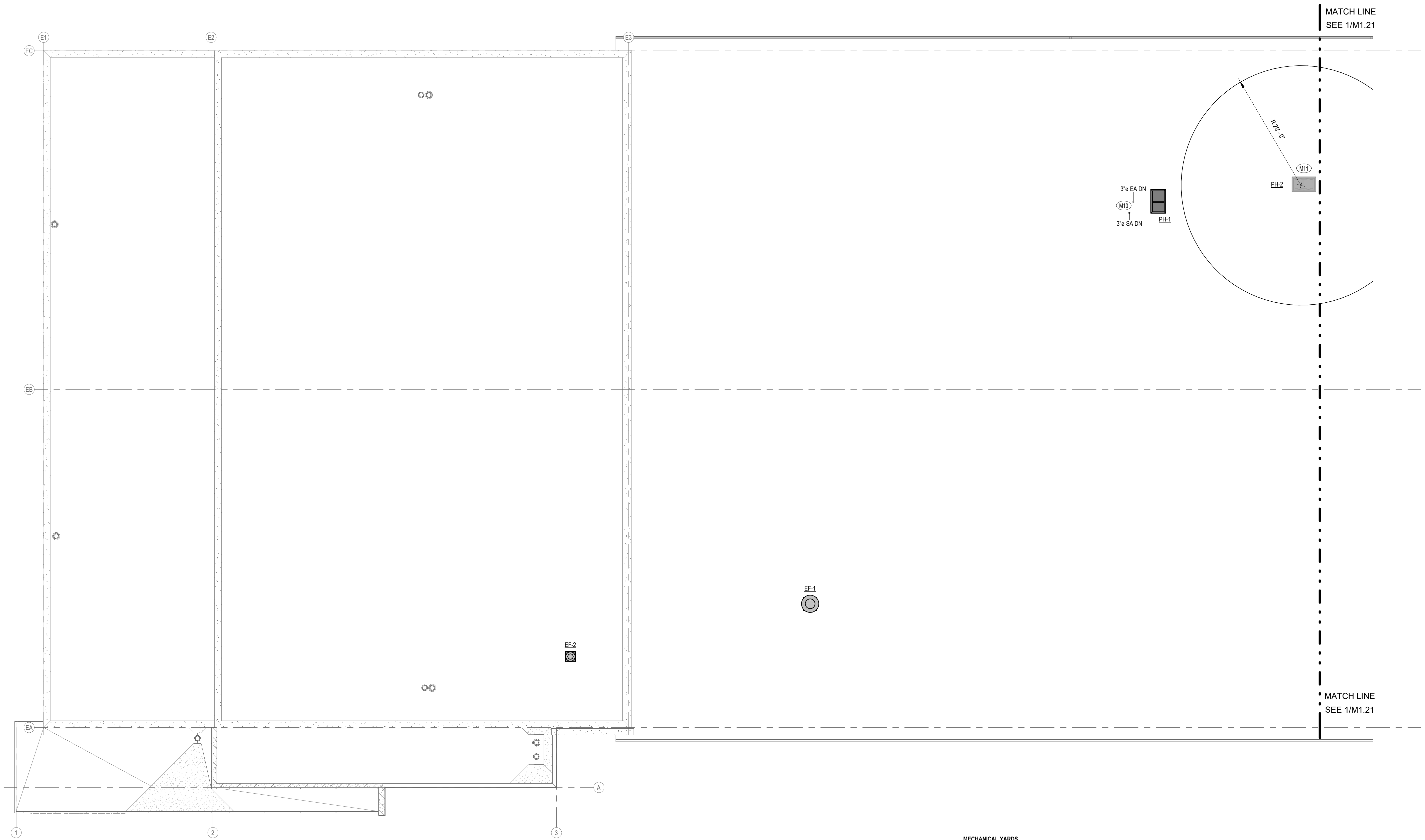
PROJECT:
 SHEET TITLE:

REVISIONS

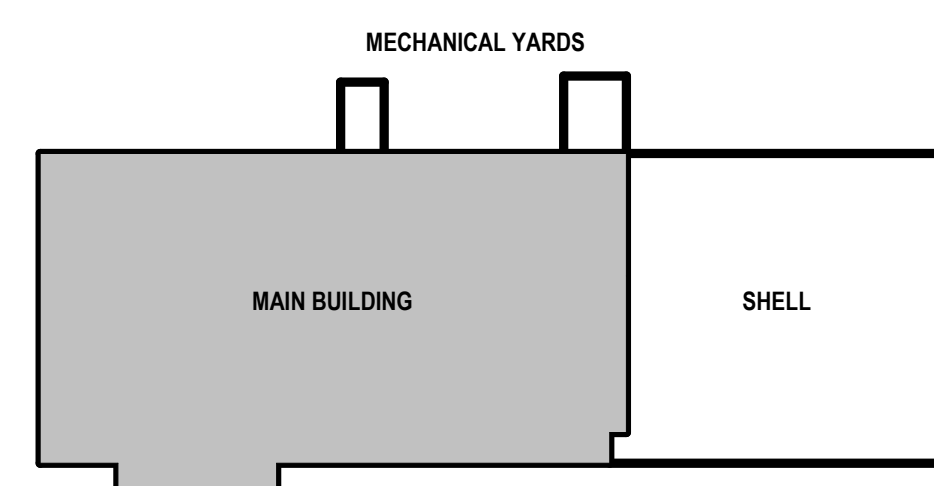
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PROJECT NO. 21034
 DATE: AUGUST 2024
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 CHECKED BY: JJ

DRAWING NO.:
M1.20



MECHANICAL ROOF PLAN - MAIN BUILDING
 SCALE: 1/8" = 1'-0"



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ISP NEW DISTRICT #6 FACILITY KEY PLAN (NOT TO SCALE)

Approved
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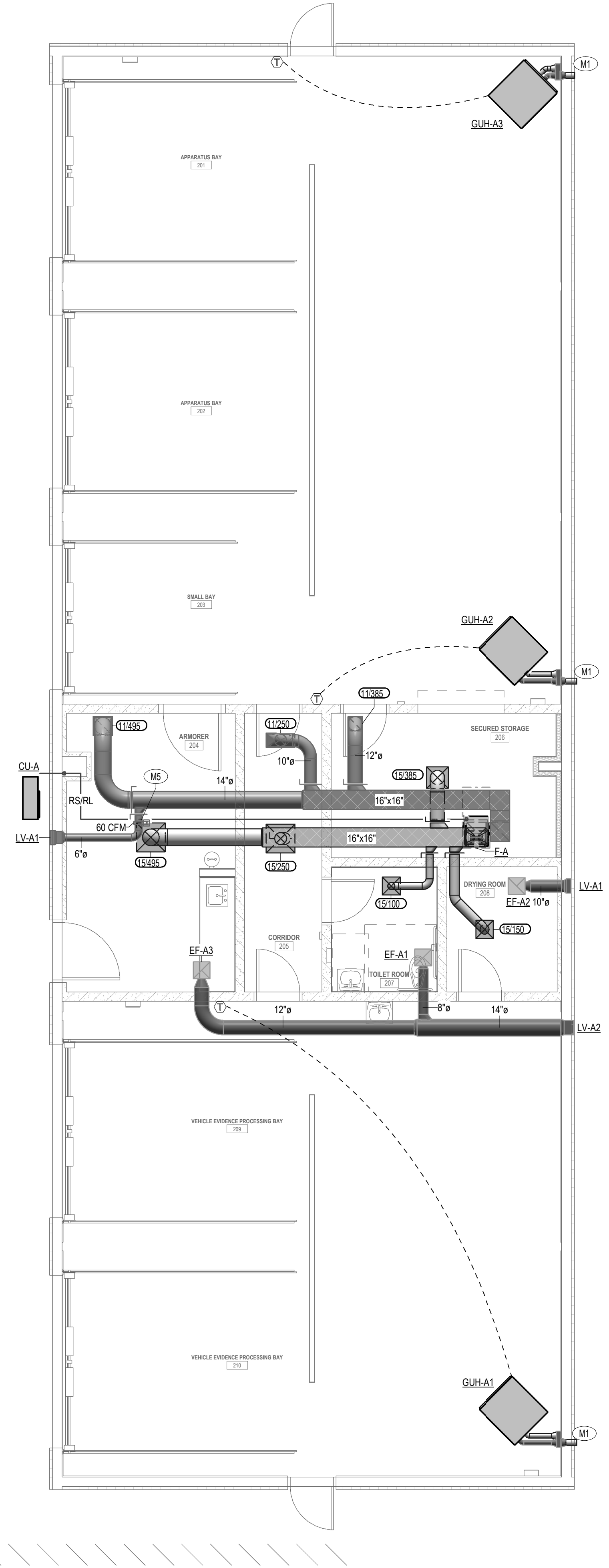
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KEYNOTES

- M1 INSTALL VENT AND COMBUSTION AIR PIPING FROM UNIT HEATER. TERMINATE AT EXTERIOR WALL WITH CONCENTRIC ADAPTER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. FIELD VERIFY FINAL ROUTING. COORDINATE FINAL TERMINATION LOCATION WITH GENERAL CONTRACTOR TO MAINTAIN MIN 10' HORIZONTAL SEPARATION FROM FRESH AIR INTAKE INTO BUILDING AND MINIMUM 3' FROM OPERABLE OPENING INTO THE BUILDING.
- M5 INTERLOCK MOTORIZED DAMPER TO OPEN WHEN FAN COIL IS IN OPERATION. BALANCE ADJACENT MANUAL DAMPER TO PROVIDE NOTED OSA CFM NOTED.

PLAN NOTES

- A REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATION BASED ON FINAL FIELD ROUTING. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING FROM OUTDOOR UNIT TO CORRESPONDING INDOOR UNIT ABOVE CEILINGS AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
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MECHANICAL FLOOR PLAN - ROLLING ASSETS BUILDING (ADD ALTERNATE #1)
SCALE: 3/16" = 1'-0"

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 IDAHO FALLS, IDAHO 83402

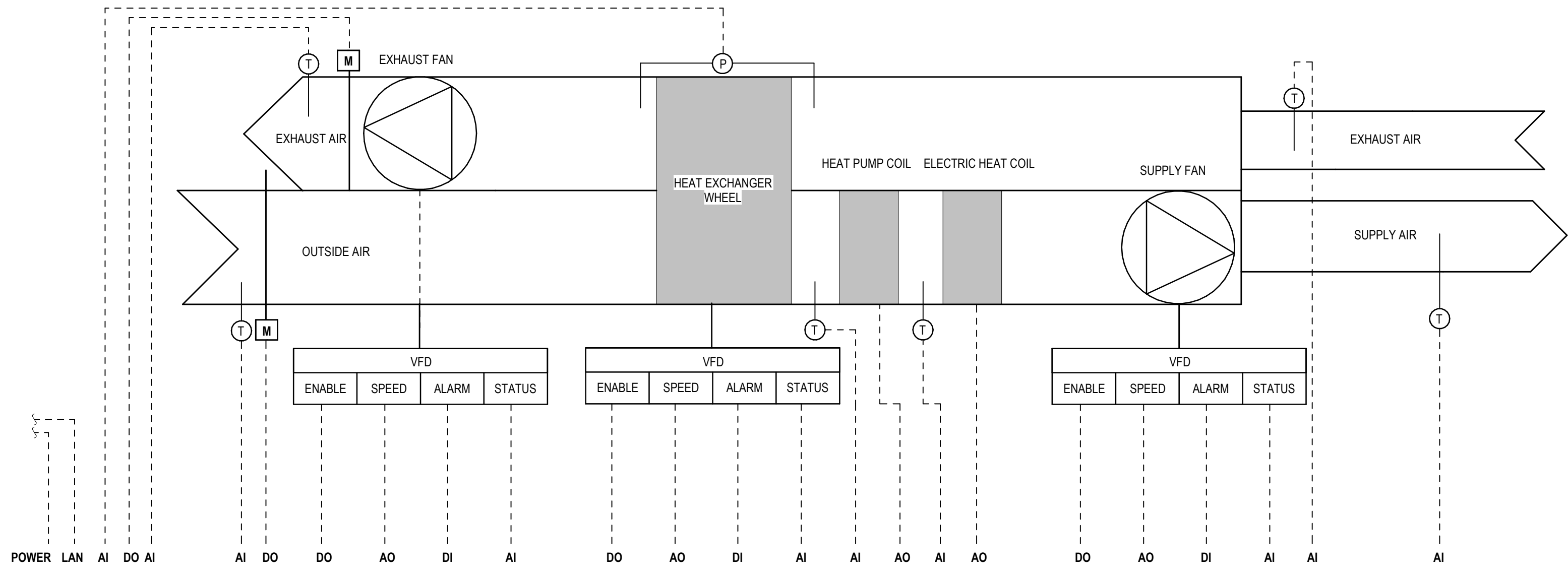
PROJECT TITLE:
MECHANICAL FLOOR PLAN - ROLLING ASSETS BUILDING (ADD ALTERNATE #1)

REVISIONS

NO.	DESCRIPTION

PROJECT NO.
21034
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AUGUST 2024
 DRAWN BY:
JM
 CHECKED BY:
JJ

DRAWING NO.:
M1.30



1
 M2.00 NO SCALE
ENERGY RECOVERY CONTROL SCHEMATIC

SEQUENCE OF OPERATION

BOTH BUILDINGS TO BE EQUIPPED WITH A FULL HVAC BUILDING MANAGEMENT SYSTEM (BMS). THE SYSTEM TO BE INSTALLED BY ATS. THE MECHANICAL CONTRACTOR MUST INCLUDE ATS AS THE CONTROLS SUB-CONTRACTOR. THE BMS TO BE REMOTELY ACCESSIBLE AND INCORPORATE A FRONT END WITH DETAILED EQUIPMENT GRAPHICS AND FLOOR PLANS APPROVED BY IDAHO STATE POLICE PERSONNEL. CONTROL CONTRACTOR TO PROVIDE ALL HARDWARE, SOFTWARE, LICENSES, DEVICES, WIRING, CONTROLLERS, NETWORK, PROGRAMMING, ETC. FOR A COMPLETE AND FULLY FUNCTIONAL CONTROL SYSTEM. CONTROL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL CONDUIT. SOME CONTROL CONDUIT MAY BE INCLUDED IN THE ELECTRICAL DRAWINGS AND WILL BE PROVIDED BY THE ELECTRICIAN. INCORPORATE ALARMS WHEN ANY SENSOR READS PLUS OR MINUS 5 DEGREES FROM SET POINT. INITIATE TRENDRING FOR ALL POINTS. ALL SET POINTS ARE TO BE ADJUSTABLE. ENSURE POTENTIAL FOR A SEPARATE OCCUPANCY SCHEDULE FOR EACH PIECE OF EQUIPMENT.

MAIN BUILDING

VRF
 VRF SYSTEM TO BE COMPLETE WITH VRF MANUFACTURER CENTRALIZED CONTROLLER INCORPORATING BACNET INTERFACE FOR FULL BMS INTEGRATION. PROVIDE CENTRAL TOUCHSCREEN VRF CONTROLLER IN MECHANICAL ROOM. ALL CONTROL POINTS, SET POINTS, ALARMS, AND SCHEDULES TO BE DISPLAYED AND EDITABLE THROUGH THE BMS FRONT END.

ENERGY RECOVERY VENTILATOR
 COMPLETE CONTROL OF ERV TO BE THROUGH BMS. ERV TO BE EQUIPPED WITH TERMINAL STRIPS AND VFDs WITH BACNET INTERFACE. CONTROL CONTRACTOR TO COORDINATE FINAL SEQUENCE WITH ERV MANUFACTURER AND ENSURE ALL MANUFACTURER REQUIREMENTS AND SETTINGS ARE FOLLOWED.

THE ERV OPERATES CONTINUOUSLY BASED ON OCCUPIED SCHEDULE. COORDINATE ALL OCCUPANCY SCHEDULES AND HOLIDAYS WITH OWNER AND INCORPORATE IN BMS.

CLOSE OUTSIDE AIR AND EXHAUST AIR MOTORIZED DAMPERS WHEN ERV IS DISABLED.

ENERGY RECOVERY WHEEL ROTATION SPEED TO BE CONSTANT UNLESS SLOWER SPEED IS REQUIRED FOR DEFROST. CONFIRM MANUFACTURER RECOMMENDED RPM.

MONITOR PRESSURE DROP ACROSS THE ENERGY RECOVERY WHEEL IN THE EXHAUST AIRSTREAM. WHEN THE PRESSURE DROP EXCEEDS MANUFACTURER RECOMMENDATIONS AND THE OUTSIDE AIR TEMPERATURE IS BELOW 10 DEGREES (DEFROST), SLOW WHEEL RPM TO DEFROST THE WHEEL BASED ON MANUFACTURER RECOMMENDED RPM CHANGES. MONITOR ALL SETTINGS AND ALARMS THROUGH BMS.

MODULATE HEAT PUMP COOLING OR HEATING TO MAINTAIN 70 DEGREE SUPPLY AIR TEMPERATURE. BMS TO FULLY CONTROL OUTDOOR HEAT PUMP UNITS PER MANUFACTURER RECOMMENDATIONS (FANS, COMPRESSORS, REVERSING VALVES, CAPACITY MODULATION, ETC.). MONITOR ALL SETTINGS AND ALARMS THROUGH BMS.

SECOND STAGE OF HEATING IS ELECTRIC HEATING COIL. MODULATE COIL TO MAINTAIN 70 DEGREE SUPPLY AIR TEMPERATURE.

ROOFTOP UNITS
 SPACE COOLING SET POINT TO BE 85 DEGREES AND SPACE HEATING SET POINT TO BE 60 DEGREES. CYCLE SUPPLY FAN ON CALL FOR COOLING OR HEATING.
 MONITOR FAN STATUS AND ALARM WHEN I/O DO NOT MATCH.

FIRST STAGE OF COOLING IS OUTSIDE AIR (OSA) ECONOMIZER. MODULATE OSA ECONOMIZER DAMPERS TO MAINTAIN SPACE COOLING TEMPERATURE SET POINT. SET MINIMUM OSA CFM TO SCHEDULED VALUE.
 1. WHEN OSA > SPACE TEMPERATURE COOLING SET POINT, MINIMUM OSA
 2. WHEN OSA < SPACE TEMPERATURE COOLING SET POINT, MODULATE OSA BETWEEN 100% AND MINIMUM

SECOND STAGE OF COOLING IS DX COIL. ENABLE COMPRESSOR AND CONDENSER FAN TO MAINTAIN SPACE TEMPERATURE SET POINT.

ENABLE GAS HEAT TO MAINTAIN SPACE TEMPERATURE HEATING SET POINT.

COMPLY WITH ROOFTOP MANUFACTURER RECOMMENDATIONS FOR ALL CONTROL REQUIREMENTS. MONITOR ALL ALARMS.

EXHAUST FANS
 ENABLE FAN DURING OCCUPIED SCHEDULE. MONITOR FAN STATUS.
 NARCOTICS EXHAUST FAN TO OPERATE CONTINUOUSLY. MONITOR FAN STATUS.

ELECTRIC WALL HEATERS
 ENABLE HEATER TO MAINTAIN SPACE HEATING TEMPERATURE (OCCUPIED/ UNOCCUPIED) SET POINT. MONITOR HEATING ELEMENT STATUS.

SPLIT SYSTEMS
 SPLIT SYSTEMS TO BE EQUIPPED WITH BACNET CONTROLLERS FOR FULL INTEGRATION WITH BMS.
 ENABLE SUPPLY FAN, CONDENSER FAN, COMPRESSOR, ETC ON CALL FOR COOLING.
 MONITOR ALL SETTINGS AND ALARMS.

ROLLING ASSETS BUILDING (ADD ALTERNATE #1)

NATURAL GAS UNIT HEATER
 ENABLE HEATER AND MODULATE GAS VALVE TO MAINTAIN SPACE HEATING TEMPERATURE (OCCUPIED/ UNOCCUPIED) SET POINT. MONITOR FAN STATUS AND ALL SAFETIES.

EXHAUST FANS
 ENABLE FAN DURING OCCUPIED SCHEDULE. MONITOR FAN STATUS.

FURNACE
 ENABLE SUPPLY FAN DURING OCCUPIED SCHEDULE. CYCLE THE SUPPLY FAN ON HEAT DURING UNOCCUPIED SCHEDULE. MONITOR FAN STATUS AND ALARM WHEN I/O DO NOT MATCH.
 OPEN VENTILATION AIR DAMPER DURING OCCUPIED SCHEDULE.
 ENABLE CONDENSING UNIT FAN AND COMPRESSOR TO MAINTAIN SPACE TEMPERATURE COOLING SET POINT.
 ENABLE GAS HEAT TO MAINTAIN SPACE TEMPERATURE HEATING SET POINT.
 COMPLY WITH FURNACE MANUFACTURER RECOMMENDATIONS FOR ALL CONTROLS.

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 CONTROLS SCHEMATICS

PROJECT:
 SHEET TITLE:

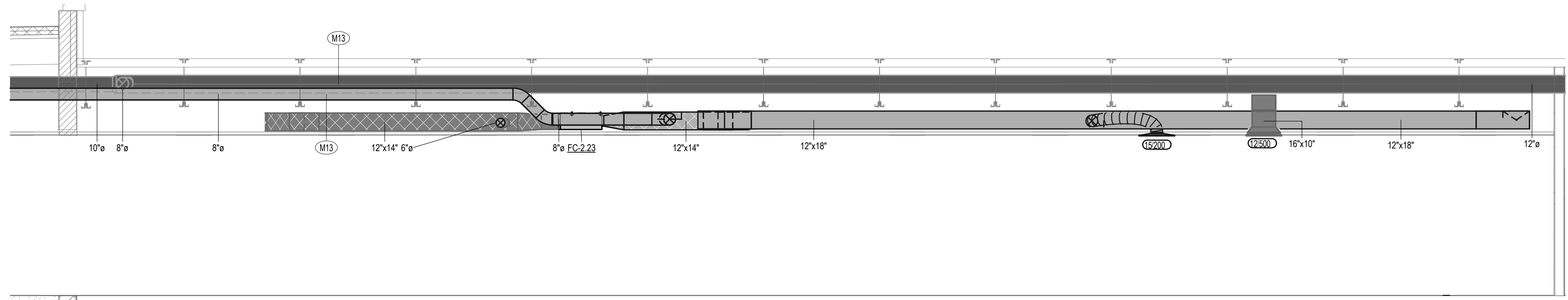
REVISIONS

NO.	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 AUGUST 2024
 DRAWN BY:
 JM
 CHECKED BY:
 JJ

DRAWING NO.:
M2.00

Approved
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 Division of Building Safety
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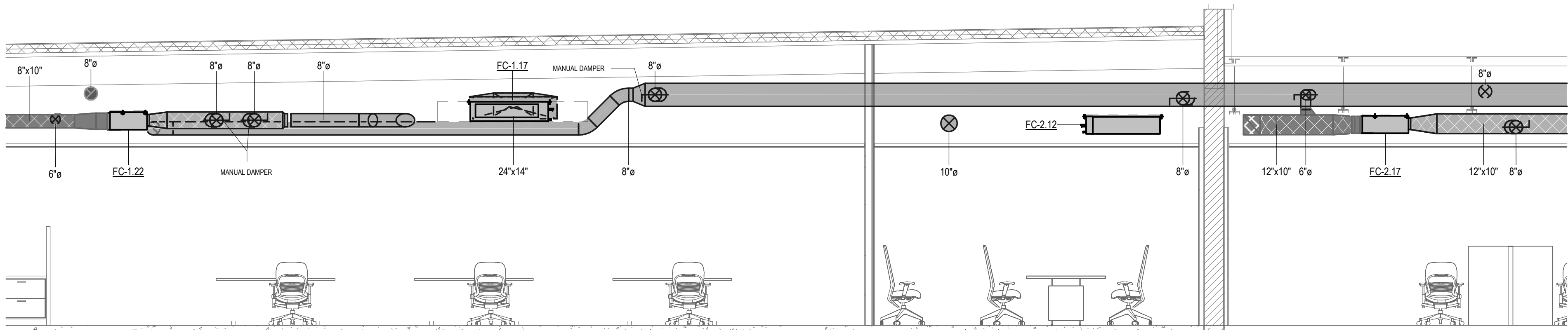


- PLAN NOTES**
- A. REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATION BASED ON FINAL FIELD ROUTING. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING FROM OUTDOOR UNIT TO CORRESPONDING INDOOR UNIT ABOVE CEILINGS AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
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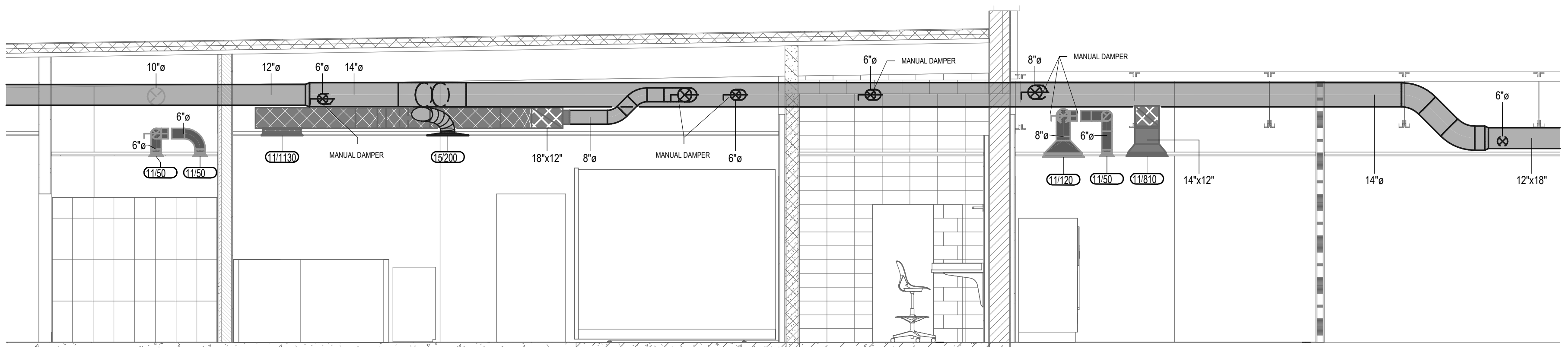
KEYNOTES

M13 DUCTWORK INTENDED TO BE ROUTED THROUGH TRUSSES.

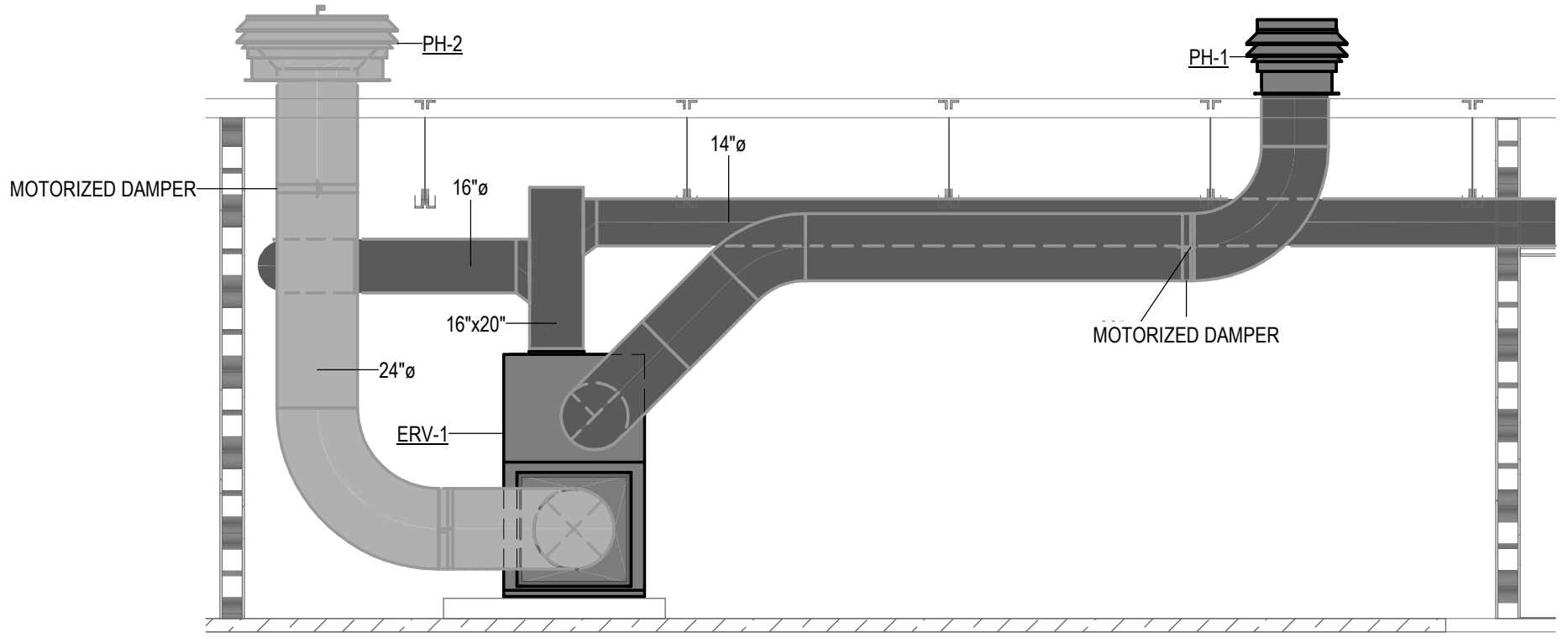
1 CORRIDOR SECTION
 1/4" = 1'-0"



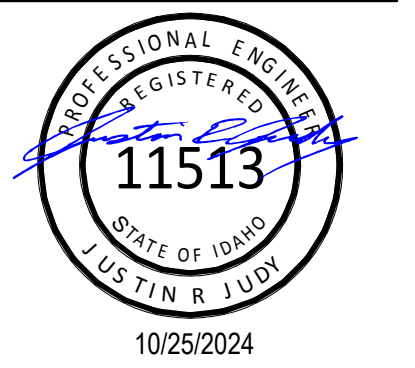
2 INVESTIGATIONS / PATROL SECTION
 1/4" = 1'-0"



3 FRONT OFFICE / ARMORER / BREAKROOM SECTION
 1/4" = 1'-0"



4 ERV SECTION
 1/4" = 1'-0"



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: MECHANICAL SECTIONS

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO. 21034
 DATE: AUGUST 2024
 DRAWN BY: JM
 CHECKED BY: JJ

DRAWING NO.:
M3.00

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 PROJECT #24-3008_C23

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10/25/2024 3:41:16 PM Autodesk Docs://DPW 22511 ISP District 6 HQ/24-3008 -Idaho State Police D6 HQ Revisions_MP.rvt

PLAN NOTES

- A. REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATION BASED ON FINAL FIELD ROUTING. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. ROUTE PIPING FROM OUTDOOR UNIT TO CORRESPONDING INDOOR UNIT ABOVE CEILINGS AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
- B. REFER TO VRF PIPING SCHEMATICS FOR ADDITIONAL ROUTING REQUIREMENTS.

KEYNOTES

- M15 VRF PIPING TO BE STACKED 3 HIGH FOR HEAT RECOVERY UNITS AND 2 HIGH FOR COOLING ONLY UNITS.
- M16 PROVIDE 24" HIGH MIRO INDUSTRIES (OR APPROVED EQUAL) EQUIPMENT STANDS FOR ALL HP AND CU UNITS. ANCHOR EQUIPMENT TO STAND AND STAND TO CONCRETE PAD PER ENGINEER SEISMIC CALCULATIONS. COORDINATE STAND LOCATIONS WITH ELECTRICIAN AND G.C. FOR CONCRETE TRENCH AND ELECTRIC SNOWMELT PAD LOCATIONS AND SIZES.



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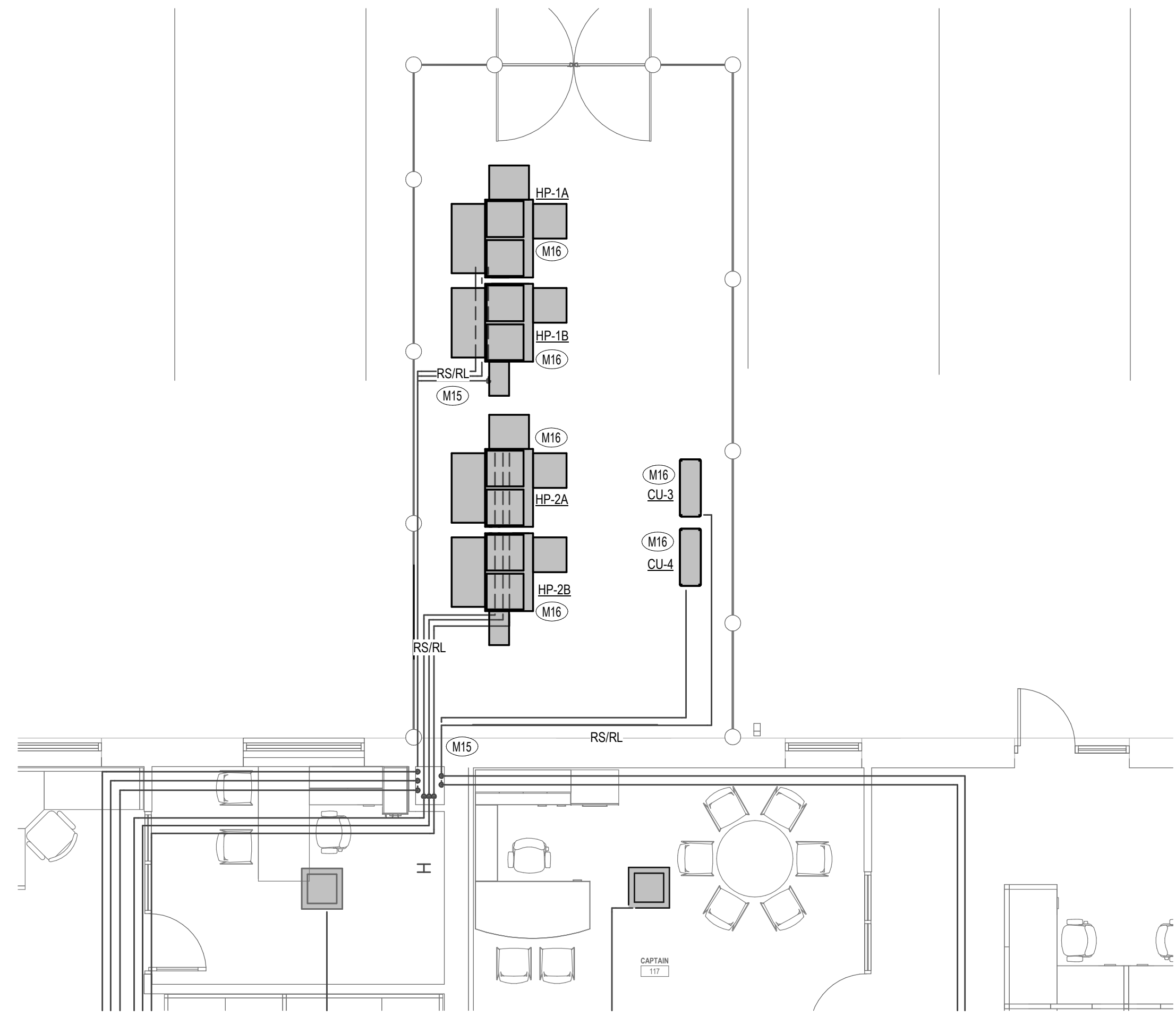
REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 SHEET TITLE: MECHANICAL ENLARGED FLOOR PLANS

PROJECT:

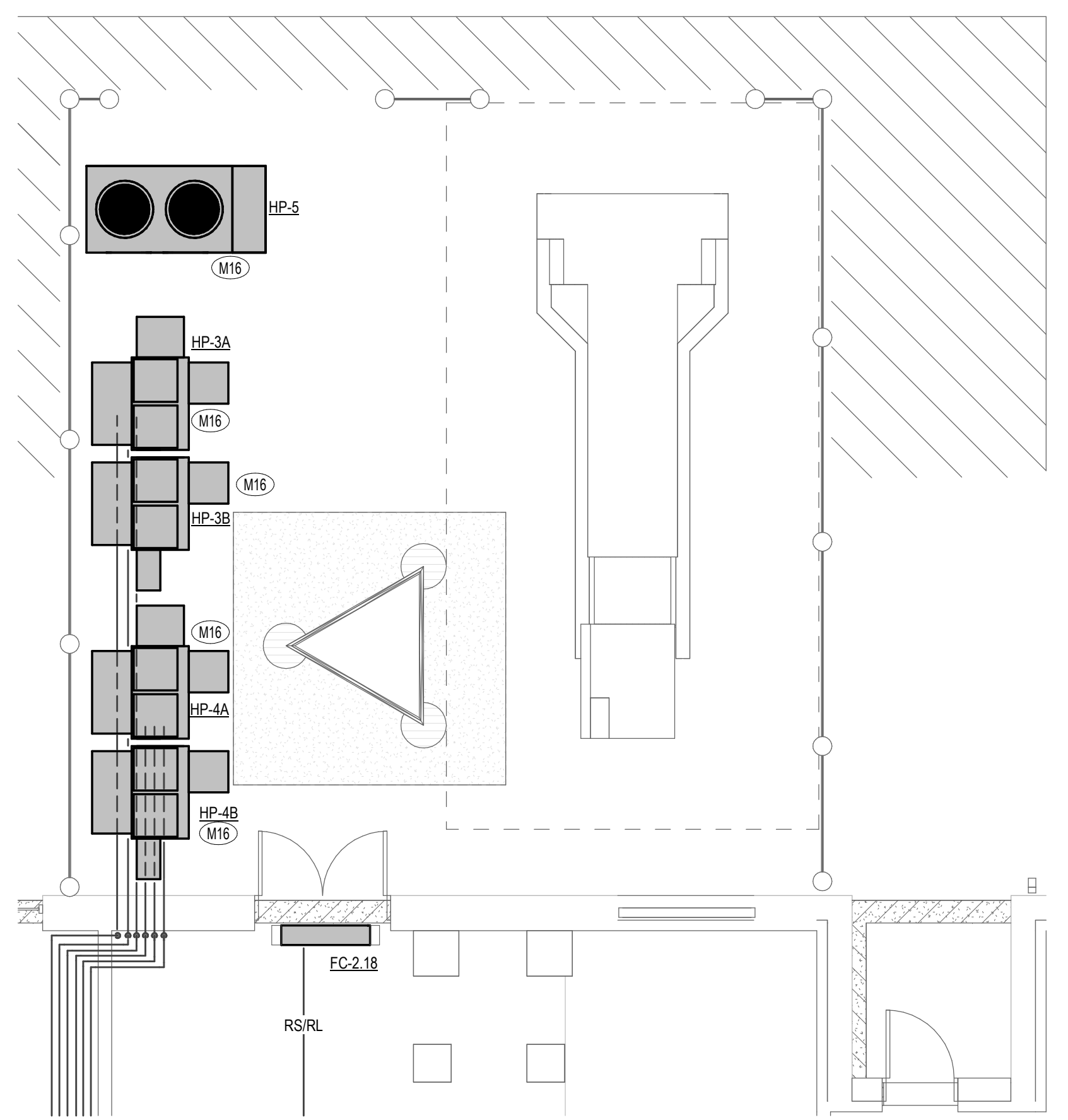
NO.	DATE	DESCRIPTION

PROJECT NO. 21034
 DATE: AUGUST 2024
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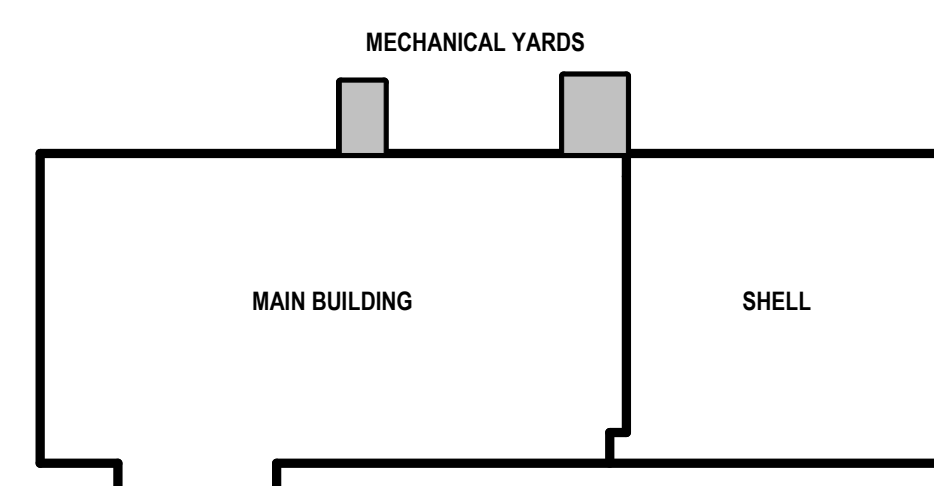
DRAWING NO.: **M4.10**



2
 M4.10 3/16" = 1'-0"
MECHANICAL ENLARGED FLOOR PLAN - MECHANICAL YARD



1
 M4.10 3/16" = 1'-0"
MECHANICAL ENLARGED FLOOR PLAN - GENERATOR YARD



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Division of Building Safety

Approved State of Idaho

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ENERGY RECOVERY VENTILATOR (ERV)

Table with columns: MARK, MANUFACTURER, MODEL, AIRFLOW, ENERGY RECOVERY, HEAT PUMP COIL, ELECTRIC HEATING COIL, ELECTRICAL, DIMENSIONS (IN), OPERATING WEIGHT (LBS).

NOTES: COOK, CAPTIVEAIRE, GREENHECK, AND PANASONIC ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

ROOFTOP UNIT (RTU)

Table with columns: MARK, MANUFACTURER, MODEL NO., OUTSIDE AIR CFM, SUPPLY CFM, ESP (IN WC), COOLING COIL, GAS HEATING, ELECTRICAL, UNIT DIMENSIONS (IN), UNIT WEIGHT (LBS).

NOTES: CARRIER, DAIKIN, TRANE AND YORK ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

VRF OUTDOOR UNIT (HP)

Table with columns: MARK, MANUFACTURER, MODEL, CORRESPONDING INDOOR UNIT, TYPE, NOM COOLING (MBH), EER, HEATING (MBH), COP @ 47°F, ELECTRICAL, UNIT DIMENSIONS (IN), OPERATING WEIGHT (LBS).

NOTES: TRANE, SAMSUNG, DAIKIN, AND MITSUBISHI ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

EXHAUST FAN (EF)

Table with columns: MARK, BUILDING, LOCATION, MANUFACTURER, MODEL, TYPE, AIRFLOW CFM, ESP (IN WC), DAMPER GRAVITY OR MOTOR, ELECTRICAL, ECM MOTOR, CONTROL DESCRIPTION, CURB OPENING (IN), OPERATING WEIGHT (LBS).

NOTES: COOK, CAPTIVEAIRE, GREENHECK, AND PANASONIC ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

ELECTRIC HEATER (EH)

Table with columns: MARK, LOCATION, MANUFACTURER, MODEL NO., TYPE, ARRANGEMENT, EAT(DB) (°F), HEATING ELEMENT, PH, LENGTH (IN), WIDTH (IN), HEIGHT (IN), A.F.F (IN), OPERATING WEIGHT (LBS).

NOTES: QMARK, INDECO, AND MARKEL ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

GAS FIRED UNIT HEATER (GUH)

Table with columns: MARK, MANUFACTURER & MODEL, BUILDING, CFM, MOUNTING, MOUNT HEIGHT (FT), HEATING CAPACITY, # STAGES, CA/VENT SIZE (IN), ELECTRICAL, DIMENSIONS (IN), OPER WT (LBS).

NOTES: REZNOR, TRANE, AND MODINE ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

SPLIT SYSTEM OUTDOOR UNIT

Table with columns: MARK, MANUFACTURER, MODEL, BUILDING, CORRESPONDING INDOOR UNIT, TYPE, COOLING OUTDOOR AMBIENT (DB °F), NOM COOLING CAP (MBH), SEER, EER, HEATING OUTDOOR AMBIENT (DB °F), NOM HEATING CAP (MBH), COP, ELECTRICAL, UNIT DIMENSIONS (IN), OPERATING WEIGHT (LBS).

NOTES: DAIKIN, CARRIER, AND MITSUBISHI ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

SPLIT SYSTEM INDOOR UNIT (FC)

Table with columns: MARK, MANUFACTURER, MODEL, CORRESPONDING OUTDOOR UNIT, TYPE, CFM, COOLING, ELECTRICAL, UNIT DIMENSIONS (IN), OPERATING WEIGHT (LBS).

NOTES: DAIKIN, CARRIER, AND MITSUBISHI ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

FURNACE (F)

Table with columns: MARK, BUILDING, MANUFACTURER & MODEL, CORR UNIT, CFM, OSA CFM, ESP (IN WC), NG HEATING, DX COOLING, ELECTRICAL, DIMENSIONS (IN), OPER WT (LBS).

NOTES: TRANE, CARRIER, DAIKIN, AND YORK ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

VRF BRANCH SELECTION BOX (BS)

Table with columns: MARK, MANUFACTURER, MODEL, CORR FC UNITS, MIN # OF PORTS, ELECTRICAL, DIMENSIONS (IN), OPER WT (LBS).

NOTES: SAMSUNG, DAIKIN, TRANE, MITSUBISHI ARE APPROVED MANUFACTURERS.

LOUVERED PENTHOUSES (PH)

Table with columns: MARK, MANUFACTURER, MODEL, AIRFLOW (CFM), PRESSURE DROP (IN W.C.), HEIGHT (IN), THROAT DIMENSIONS (IN).

NOTES: RUSKIN, GREENHECK, UNITED ENERTECH, AND COOK ARE APPROVED MANUFACTURERS.

LOUVER (LV)

Table with columns: MARK, MANUFACTURER, MODEL, AIRFLOW (CFM), VELOCITY (FPM), MIN FREE AREA (SQ FT), PRESSURE DROP (IN W.C.), DIMENSIONS (IN).

NOTES: RUSKIN, GREENHECK, NAILOR, AMERICAN WARMING & VENTILATION CO., AND ARROW UNITED ARE APPROVED MANUFACTURERS.

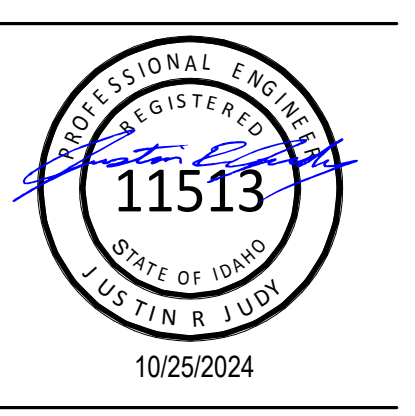
AIR DEVICE SCHEDULE

Table with columns: MARK, FLOW TYPE, FACE SIZE, NECK SIZE, CFM RANGE, MAX T.P., N.C. MAX, THROW, MODEL, NOTES.

*REFER TO FLOOR PLANS FOR THROW PATTERN INDICATED BY ARROWS (3-WAY, 2-WAY, OR 1-WAY). SUPPLY AIR DEVICE INTENDED TO BE 4-WAY THROW IF ARROWS ARE NOT PRESENT.

**NOT ALL AIR DEVICES IN THE AIR DEVICE SCHEDULE ARE USED.

- NOTES: 1. PROVIDE FRAME COMPATIBLE WITH CEILING OR WALL TYPE. VERIFY FRAME TYPE OF ALL AIR DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN BEFORE ORDERING.



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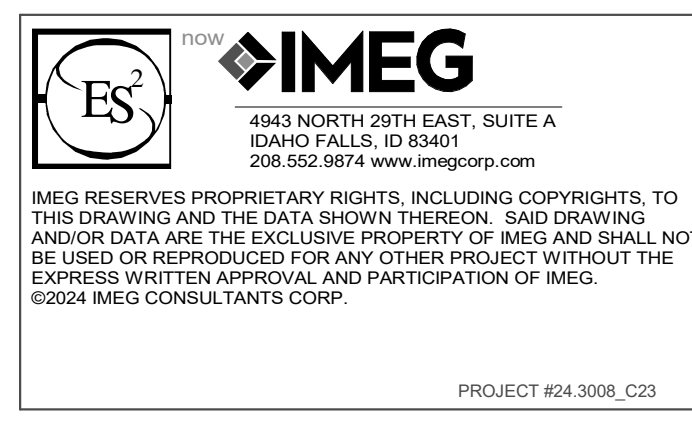
REMODEL FOR: DPW 22511 ISP NEW DISTRICT #6 FACILITY

PROJECT: 1155 FOOTE DRIVE IDAHO FALLS, IDAHO 83402

REVISIONS

PROJECT NO. 21034 DATE: AUGUST 2024 DRAWN BY: JM CHECKED BY: JJ

DRAWING NO.: M6.10





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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 MECHANICAL SCHEDULES

PROJECT NO.
 21034
 DATE:
 AUGUST 2024
 DRAWN BY:
 JM
 CHECKED BY:
 JJ

DRAWING NO.:

M6.11

UMC/IMC Ventilation, Exhaust, & Pressure Balance Table

Room #	Room name	General Occupancy Type	Specific Occupancy Type	Area (FT ²)	Total Ventilation (CFM)	Total Exhaust (CFM)
101	INTERVIEW	Offices	Office spaces	93	20	0
102	TOILET ROOM	Public_spaces	Toilet rooms - public (continuous exhaust)	61	0	50
103	INTERVIEW	Offices	Office spaces	93	20	0
104	SECURED WAITING	Offices	Main entry lobbies	149	25	0
105	CORRIDOR	Public_spaces	Corridors	263	20	0
106	STORAGE	Retail_stores_sales_floors_and_showroom_floors	Storage rooms	131	20	0
107	MONITORING	Offices	Office spaces	318	30	0
108	TRAINING	Offices	Conference rooms	1081	305	0
109	SERGEANT	Offices	Office spaces	116	20	0
110	INVESTIGATIONS	Offices	Office spaces	2800	180	0
111	SERGEANT	Offices	Office spaces	117	20	0
112	ADMIN	Offices	Office spaces	117	20	0
114	SERGEANT	Offices	Office spaces	121	15	0
115	LIEUTENANT	Offices	Office spaces	175	15	0
116	BRIEFING	Offices	Conference rooms	449	130	0
117	CAPTAIN	Offices	Office spaces	292	25	0
118	SERGEANT	Offices	Office spaces	118	15	0
119	SERGEANT	Offices	Office spaces	119	15	0
120	PATROL	Offices	Office spaces	2761	235	0
121	SERGEANT	Offices	Office spaces	121	15	0
122	SERGEANT	Offices	Office spaces	120	15	0
123	SERGEANT	Offices	Office spaces	120	15	0
124	SERGEANT	Offices	Office spaces	125	15	0
125	LIEUTENANT	Offices	Office spaces	148	15	0
126	COMM.VEHICLE SAFETY DIVISION	Offices	Office spaces	250	25	0
127	OFFICE	Offices	Office spaces	150	15	0
129	TOILET ROOM	Public_spaces	Toilet rooms - public (continuous exhaust)	68	0	50
130	TOILET ROOM	Public_spaces	Toilet rooms - public (continuous exhaust)	67	0	50
131	CORRIDOR	Public_spaces	Corridors	1000	60	0
132	CORRIDOR	Public_spaces	Corridors	619	40	0
135	CHANGING	Public_spaces	Shower room (per shower head, continuous exhaust)	119	0	130
136	CHANGING	Public_spaces	Shower room (per shower head, continuous exhaust)	117	0	130
137	CHANGING	Public_spaces	Shower room (per shower head, continuous exhaust)	116	0	130
138	WEIGHT ROOM	Sports_and_amusement	Health club/weight room	1906	375	0
139	CHANGING	Public_spaces	Shower room (per shower head, continuous exhaust)	73	0	100
140	BULK EVIDENCE	Retail_stores_sales_floors_and_showroom_floors	Storage rooms	1124	135	0
141	EVIDENCE PROCESSING	Offices	Office spaces	303	30	0
142	EVIDENCE TECH	Offices	Office spaces	136	15	0
146	BREAK ROOM	Food_and_beverage_service	Dining rooms	545	160	60
147	TOILET ROOM	Public_spaces	Toilet rooms - public (continuous exhaust)	61	0	50
148	ARMORER	Offices	Office spaces	294	25	0
149	RECORDS AREA	Retail_stores_sales_floors_and_showroom_floors	Storage rooms	147	20	0
151	SUPERVISOR	Offices	Office spaces	110	15	0
152	FRONT OFFICE	Offices	Office spaces	911	80	50
153	JANITORIAL	Public_spaces	Toilet rooms - public (continuous exhaust)	45	0	50
154	PUBLIC RR	Public_spaces	Toilet rooms - public (continuous exhaust)	68	0	50
155	PUBLIC RR	Public_spaces	Toilet rooms - public (continuous exhaust)	69	0	50
156	STORAGE	Retail_stores_sales_floors_and_showroom_floors	Storage rooms	130	20	0
157	INTERVIEW	Offices	Office spaces	114	20	0
159	LOBBY	Offices	Main entry lobbies	649	75	0
159A	T.R	Public_spaces	Toilet rooms - public (continuous exhaust)	75	0	50
161	TRAINING	Offices	Conference rooms	700	165	0
	MAIN BUILDING ERV	Total		19974	2480	1000
204	ARMORER	Offices	Office spaces	235	20	235
205	CORRIDOR	Public_spaces	Corridors	104	10	0
206	SECURED STORAGE	Retail_stores_sales_floors_and_showroom_floors	Storage rooms	161	20	0
207	TOILET ROOM	Public_spaces	Toilet rooms - public (intermittent exhaust)	65	0	70
208	DRYING ROOM	Retail_stores_sales_floors_and_showroom_floors	Storage rooms	70	10	70
	ROLLING ASSET BUILDING	Total		635	60	375
RTU 1,2,3	SHELL STORAGE	Storage	Warehouses	12475	749	0
	RTU 1,2,3	Total		12475	749	0

MINIMUM MECHANICAL PIPING INSULATION THICKNESS

SYSTEM TYPES	FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE				
		CONDUCTIVITY (BTU * IN./H * FT.² * °F)	MEAN RATING TEMPERATURE (°F)	< 1	1 TO < 1 1/2	1 1/2 TO < 4	4 TO < 8	≥ 8
DX HEAT PUMP, VRF/VRV	141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
DX CONDENSING UNIT	40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0

- NOTES:
 1. BASED ON THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC).
 2. PROVIDE ALUMINUM JACKETS ON ALL PIPING INSULATION LOCATED EXTERIOR OF THE BUILDING. PROVIDE PVC JACKET ON ALL EXPOSED PIPING INSULATION IN MECHANICAL ROOM.
 3. REFER TO SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS.

MECHANICAL PIPING MATERIAL SCHEDULE

LOCATION	PIPE TYPE	ACCEPTABLE PIPING MATERIAL
REFRIGERANT	ALL	ASTM B 88 TYPE L COPPER

- NOTES:
 1. REFER TO SPECIFICATIONS FOR ADDITIONAL PIPING REQUIREMENTS.
 2. PROVIDE DIELECTRIC FITTINGS FOR ALL DISSIMILAR METALS.

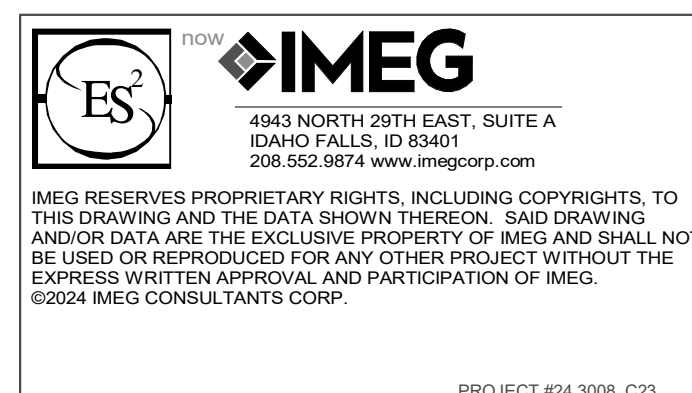
2021 ASHRAE Handbook - Fundamentals (IP)

IDAHO FALLS, ID, USA (WMO: 725785)

Annual Heating, Humidification, and Ventilation Design Conditions		Humidification DP, MCD, and HR		Cooling months WS, MCD, and HR		MCWS, PCWD to 99.6% DB		WSP							
Cooling Month	Heating DB	99.6%	99%	0.4%	1%	WS	MCWS	PCWD							
1	5.5	6.4	10.7	3.7	-4.9	-5.0	5.0	1.4	29.2	33.6	36.7	31.4	5.4	0	0.671

Annual Cooling, Dehumidification, and Enthalpy Design Conditions		Cooling DB, MCWB		Evaporation WB, MCD, and HR		MCWS, PCWD to 0.4% DB									
Hottest Month	Hottest Month DB Range	0.4%	1%	0.4%	1%	2%	MCWS, PCWD								
7	35.8	92.2	69.9	89.7	68.5	86.9	59.7	64.9	83.6	63.1	82.0	61.4	81.5	10.3	209

Extreme Annual Design Conditions		Dehumidification DP, MCD, and HR		Enthalpy MCD, and HR		Extreme Max WB									
1%	2.5%	5%	0.4%	1%	2%	0.4%	1%								
27.1	24.2	26.7	DB	-13.6	97.0	7.7	2.0	-18.5	98.4	-23.0	99.6	-27.3	106.7	-32.8	102.2
			WB	-13.5	69.4	7.4	2.3	-18.5	71.9	-23.1	72.3	-27.3	73.6	-32.7	75.3



PROJECT #24_3008_C23

Approved
 State of Idaho
 Division of Building Safety

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GENERAL REQUIREMENTS

CONTRACTOR INSTALL ALL PLUMBING SYSTEMS IN ACCORDANCE WITH THE ADOPTED VERSION OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, IDAHO ENERGY CONSERVATION CODE, IDAHO PLUMBING CODE, AND ALL OTHER LOCAL CODES AND ADOPTED ORDINANCES.

CLOSELY COORDINATE ALL PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND STRUCTURAL. COORDINATE FIRE LINE STUB REQUIREMENTS IN FIRE RISER ROOM WITH GENERAL CONTRACTOR/FIRE PROTECTION CONTRACTOR. PIPING IS APPROXIMATE AND DIAGRAMMATIC AND IS NOT TO BE SCALED. PROVIDE ALTERNATE ROUTING, OFFSETS, AND TRANSITIONS AS REQUIRED FOR COORDINATION OF ALL WORK WITHOUT ADDITIONAL COST TO THE OWNER.

FIELD VERIFY ALL PLUMBING PRIOR TO COMMENCING NEW WORK. DO NOT FABRICATE OR INSTALL ANY PLUMBING BEFORE VERIFYING DIMENSIONS AND ROUTING WITH BUILDING CONDITIONS AND ALL OTHER TRADES.

CONTRACTOR IS RESPONSIBLE FOR ALL APPLICABLE PERMITS AND FEES.

IF DISCREPANCIES EXIST BETWEEN BUILDING CODES, DRAWINGS, NOTES, AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT WILL BE REQUIRED UNLESS CLARIFIED BY PROJECT ENGINEER IN AN OFFICIAL ADDENDUM OR SUPPLEMENTAL INSTRUCTION.

ALL DETAILS INCLUDED IN DESIGN DRAWINGS MUST BE APPLIED TO ALL RELEVANT INSTALLATIONS REFERRED TO IN THE DETAIL. EACH DETAIL WILL NOT BE SPECIFICALLY REFERENCED ON THE DRAWINGS.

REQUESTS FOR INFORMATION: THE CONTRACTOR ACKNOWLEDGES ITS RESPONSIBILITY TO BE FAMILIAR WITH THE CONTRACT DOCUMENTS. REQUESTS FOR INFORMATION (RFIS) WILL BE RESPONDED TO WITHIN FIVE WORKING DAYS OF RECEIPT. TIME SPENT REVIEWING RFIS IN WHICH THE INFORMATION REQUESTED IS CLEARLY INCLUDED IN THE DRAWINGS OR SPECIFICATIONS WILL BE CHARGED TO THE CONTRACTOR AT ENGINEERING SYSTEM SOLUTIONS' STANDARD BILLING RATES.

DEMOLITION EXISTING PIPING LOCATIONS AND SIZES ARE SHOWN FOR REFERENCE AND ARE BASED ON PREVIOUS DRAWINGS AND SITE VISITS. VERIFY LOCATIONS AND SIZES IN FIELD. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL PIPING NECESSARY TO COMPLETE THEIR SCOPE OF WORK. CONTRACTOR IS TO COMPLETELY DRAIN ALL EXISTING PIPING IN THE BUILDING.

INSTALLATION PROVIDE SEISMIC RESTRAINTS FOR PLUMBING EQUIPMENT AND PIPING. RESTRAINTS ARE TO COMPLY WITH SEISMIC DESIGN CRITERIA LISTED IN THE STRUCTURAL GENERAL NOTES AND IN ACCORDANCE WITH ASCE/SEI 7-10 AND BUILDING CODE. CONTRACTOR IS RESPONSIBLE TO PROVIDE INSTALLATION DETAILS THAT ARE STAMPED BY A PROFESSIONAL ENGINEER, LICENSED IN THE LOCAL JURISDICTION. DETAILS ARE TO ACCOUNT FOR SEISMIC, WIND, AND GRAVITY LOADING REQUIREMENTS, WHEN ENGINEERING SYSTEM SOLUTIONS (ES2) PROVIDES THE STRUCTURAL ENGINEERING, GENERIC INSTALLATION DETAILS MAY BE INCLUDED IN THE STRUCTURAL DOCUMENTS AND MAY BE FOLLOWED WHERE APPLICABLE. REFER TO STRUCTURAL GENERAL NOTES FOR SEISMIC DESIGN CATEGORY, SITE CLASS, RISK CATEGORY, SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION COEFFICIENT (SDS), ONE SECOND PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION COEFFICIENT (SD1), AND IMPORTANCE FACTOR.

CLOSE ENDS OF PIPING AND COVER FLOOR DRAINS DURING CONSTRUCTION. CLEAN ALL EQUIPMENT AND PIPING AT COMPLETION OF PROJECT.

CAULK AND SEAL ALL PENETRATIONS THROUGH CEILINGS, WALLS, AND FLOORS. PROVIDE OUTSHEATHING COVERS OR SHEET METAL FLANGES ON ALL VISIBLE PENETRATIONS.

COORDINATE ALL STRUCTURAL AND TOP PLATE PENETRATIONS FOR PIPING WITH GENERAL CONTRACTOR AND STRUCTURAL ENGINEER.

CONCEALED VENTS, DUCTS, AND ALL PIPING INSTALLED THROUGH FRAMING MEMBERS MUST BE PROTECTED FROM FASTENER PENETRATION BY A STEEL SHIELD PLATE (MINIMUM THICKNESS OF 1/16") UNLESS THE DISTANCE FROM THE FACE EDGE OF THE FRAMING IS NOT LESS THAN 1.5".

PROVIDE AND INSTALL EXPANSION JOINTS FOR ALL PIPING SYSTEMS PER CODE AND LOCAL JURISDICTION REQUIREMENTS. AT A MINIMUM, PROVIDE EXPANSION JOINTS WHEN JOINING SEPARATE PIPING MATERIAL AND FOR ALL DWV AND ROOF DRAIN STACKS SERVING MORE THAN TWO FLOORS.

INSTALL EXPANSION JOINTS IN ALL PIPING CROSSING A BUILDING EXPANSION JOINT. EXPANSION JOINTS MUST MEET THE REQUIREMENTS FOR EXPANSION AS DESCRIBED IN THE STRUCTURAL DRAWINGS.

INSTALLING CONTRACTOR MUST INSTALL ALL PIPING TO MEET PIPING MANUFACTURER RECOMMENDATIONS FOR THERMAL EXPANSION. INSTALL EXPANSION LOOPS AND/ OR BENDS AS RECOMMENDED. AS A MINIMUM REQUIREMENT: ALL PIPING CONVEYING FLUIDS OF TEMPERATURES GREATER THAN 100 DEGREES, ALL PIPING WITH STRAIGHT RUNS LONGER THAN 100 FEET, ALL PEX-A PIPING, AND ALL OTHER MANUFACTURER RECOMMENDED APPLICATIONS TO INCORPORATE EXPANSION LOOPS AND/ OR BENDS TO MINIMIZE THERMAL EXPANSION STRESSES: ALL PEX-A PIPING LARGER THAN 3/4 IN DIA TO INCORPORATE PIPE SUPPORT CHANNEL PER MANUFACTURER RECOMMENDATIONS.

PROVIDE DRAIN PANS UNDER ALL PIPING LOCATED OVER ELECTRICAL PANELS AND UNDER ALL WATER HEATERS.

ANY PIPE THAT PASSES THROUGH A FOUNDATION WALL TO BE PROVIDED WITH A PIPE SLEEVE. THE SLEEVE TO BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. COORDINATE ANY PENETRATIONS NOT LISTED ON DRAWINGS WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION.

ALL RATED PENETRATIONS TO BE FIRE RATED PER 3M FIRE PROTECTION GUIDELINES OR APPROVED EQUAL. VISIT 3M'S WEBSITE AT 3M.COM/FIRESTOP FOR APPLICABLE INFORMATION ON FIRESTOPPING. REFER TO THE 3M FIRE PROTECTION PRODUCTS SPECIFIERS AND APPLICATORS GUIDE FOR FIRE RATED PENETRATION PROTECTION REQUIREMENTS AND DETAILS AT https://multimedia.3m.com/mws/media/1302803/3m-fire-protection-products-specifiers-guide.pdf. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATE ASSEMBLY LOCATIONS AND DESCRIPTIONS.

PIPING MAY DIFFER IN DIMENSIONS THAN WHAT IS INDICATED ON DRAWINGS BASED ON EASIER PROCUREMENT OR CONSISTENT SIZES. PIPING MUST BE LARGER THAN WHAT IS INDICATED ON THE DRAWINGS AND THE CONTRACTOR MUST COORDINATE ROUTING OF LARGER PIPING WITH FIELD CONDITIONS.

PIPE SIZE RUNOUTS TO INDIVIDUAL PLUMBING FIXTURES TO MATCH SIZE SHOWN IN PLUMBING FIXTURE SCHEDULE UNLESS NOTED OTHERWISE.

SUPPORT PIPING AND EQUIPMENT HANGERS CENTERED ON STEEL I-BEAMS (CONCENTRIC HANGERS) ARE PREFERRED OVER HANGERS SUPPORTED FROM A SINGLE SIDE OF THE BOTTOM I-BEAM FLANGE. IF USING HANGERS SUPPORTED FROM A SINGLE SIDE OF THE BOTTOM FLANGE, THE MAXIMUM WEIGHT LIMIT PER HANGER IS 200 POUNDS UNLESS DIRECTED OTHERWISE BY THE PROJECT STRUCTURAL ENGINEER.

HANGERS AND SUPPORTS TO BE DESIGNED AND MANUFACTURED IN CONFORMANCE WITH ANS/ISSP SP-58.

EQUIPMENT AND FIXTURES

GENERAL REQUIREMENTS ALL MANUFACTURER SUBSTITUTIONS MUST BE SUBMITTED THROUGH ARCHITECT AND APPROVED THROUGH AN ADDENDUM. PRIOR APPROVALS MUST BE SUBMITTED 10 DAYS PRIOR TO BID DATE.

PROVIDE SUBMITTALS ON ITEMS LISTED IN SCHEDULES TO ENGINEER FOR REVIEW PRIOR TO ORDER, PURCHASE, OR INSTALLATION. PROVIDE ALL HVAC AND PLUMBING CONSTRUCTION COSTS FOR ENGINEER DATA BASE AS PART OF SUBMITTALS.

CONTRACTOR MUST COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT WITH ELECTRICAL CONTRACTOR AFTER SUBMITTALS ARE REVIEWED.

PROVIDE OPERATIONS AND MAINTENANCE MANUAL INCLUDING ALL PLUMBING EQUIPMENT.

PROVIDE GARBAGE DISPOSAL FOR ALL APARTMENT KITCHEN SINKS.

REFER TO ARCHITECTURAL FOR FINAL FIXTURE AND FIXTURE ACCESSORY LOCATIONS.

PROVIDE ONE YEAR PARTS AND LABOR WARRANTY ON INSTALLATION.

EQUIPMENT VENT PROVIDE ADEQUATE COMBUSTION, VENTILATION, AND DILUTION AIR FOR ALL GAS FIRED EQUIPMENT PER CALIFORNIA PLUMBING CODE AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ELECTRICAL REQUIREMENTS COORDINATE ALL ELECTRICAL AND CONTROL REQUIREMENTS WITH ELECTRICIAN.

CONDENSATE PROVIDE CONDENSATE DRAINS PIPED FULL SIZE TO FLOOR DRAIN FOR ALL AIR CONDITIONING EQUIPMENT AND HIGH EFFICIENCY FURNACES AND BOILERS. SLOPE ALL CONDENSATE AT MIN 1/8" PER FT. ALL CONDENSATE PIPING TO BE MIN 3/4" DIA. UNLESS NOTED OTHERWISE. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR CONDENSATE TRAPPING REQUIREMENTS.

INSTALLATION REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

PROVIDE BALANCE VALVES TO ALLOW COMPLETE BALANCE OF PLUMBING SYSTEMS AND ISOLATION VALVES FOR MAINTENANCE ON EACH PIECE OF EQUIPMENT.

INSTALL ALL EQUIPMENT AND FIXTURES PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ONE YEAR PARTS AND LABOR WARRANTY ON INSTALLATION.

T&P RELIEF VALVE TO INDIRECT DRAIN AT FLOOR DRAIN.

SET ALL FIXTURE TEMPERATURE LIMIT STOPS TO 110°F UNLESS INDICATED OTHERWISE.

INSULATE HANDICAP LAVATORY TAIL PIECE, P-TRAP, TRAP ARM, HOT AND COLD WATER SUPPLY WITH HANDI LAV-GUARD.

ELECTRIC WATER HEATERS TO COMPLY WITH UL174 AND UL1453.

ALL DISHWASHERS TO BE PROTECTED AGAINST BACKFLOW BY AN AIR GAP OR BACKFLOW PREVENTER.

LOCATION OF IGNITION SOURCES FOR GAS FIRED EQUIPMENT LOCATED IN GARAGES TO BE 18" MINIMUM AFF.

IN ADDITION TO THE BUILDING BACKFLOW PREVENTER, PROVIDE AND INSTALL BACKFLOW PREVENTERS FOR THE FOLLOWING: IRRIGATION SYSTEMS CONNECTED TO THE DOMESTIC WATER PIPING, ICE MAKERS, COFFEE MAKERS, JUICE DISPENSERS, BEVERAGE DISPENSERS, AND DC/DWV SUPPLY LINES SERVING ALL CLOTHES WASHERS. BACKFLOW PREVENTERS TO MEET LOCAL JURISDICTION REQUIREMENTS.

ALL WATER HEATERS WITH AN INPUT ABOVE 195 MBH OR STORAGE CAPACITY GREATER THAN 119 GALLONS MUST COMPLY WITH LOCAL BOILER CODE AND ASME. WATER HEATERS MUST BE ASME CERTIFIED. INITIAL AND PERIODIC INSPECTIONS AND CERTIFICATIONS MUST BE ARRANGED. PROVIDE CARBON MONOXIDE DETECTOR IN WATER HEATER ROOM. PROVIDE EMERGENCY PUSH BUTTON SHUT OFF THAT CONTROLS GAS SHUT-OFF VALVE AT ENTRANCE TO WATER HEATER ROOM.

SUPPORT PROVIDE CONCRETE HOUSEKEEPING PAD (MIN 3" ABOVE GROUND LEVEL) FOR ALL WATER HEATERS.

GAS PIPING

INSTALLATION PRIME AND PAINT ALL GAS PIPING LOCATED ON ROOF. ALL PIPING TO BE INSTALLED 4" MINIMUM ABOVE ROOF SURFACE.

GAS CONNECTION TO APPLIANCES TO BE CSST AND GAS CONNECTION TO COMMERCIAL COOKING APPLIANCES TO COMPLY WITH ANSI Z21.69. CONNECTORS FOR RANGES AND DOMESTIC CLOTHES DRYERS TO HAVE A MAXIMUM LENGTH OF 6 FT. CONNECTORS FOR ALL OTHER APPLIANCES TO HAVE A MAXIMUM LENGTH OF 3 FT. SHUTOFF VALVES TO BE INSTALLED AHEAD OF CONNECTORS. CONNECTOR INSTALLATION TO COMPLY WITH MANUFACTURER REQUIREMENTS.

ALL PIPING LOCATED IN A RETURN AIR PLENUM TO BE WELDED.

TESTING THIS INSPECTION SHALL INCLUDE AN AIR, CO2, OR NITROGEN PRESSURE TEST, AT WHICH TIME THE GAS PIPING SHALL STAND A PRESSURE OF NOT LESS THAN 10 PSI (69 kPa) GAUGE PRESSURE. TEST PRESSURES SHALL BE HELD FOR A LENGTH OF TIME SATISFACTORY TO THE AUTHORITY HAVING JURISDICTION, BUT IN NO CASE LESS THAN 15 MINUTES WITH NO PERCEPTIBLE DROP IN PRESSURE. FOR WELDED PIPING, AND FOR PIPING CARRYING GAS AT PRESSURES IN EXCESS OF 14 INCHES WATER COLUMN PRESSURE (3.5 kPa), THE TEST PRESSURE SHALL BE NOT LESS THAN 60 PSI (414 kPa) AND SHALL BE CONTINUED FOR A LENGTH OF TIME SATISFACTORY TO THE AUTHORITY HAVING JURISDICTION, BUT IN NO CASE FOR LESS THAN 30 MINUTES. FOR CSST CARRYING GAS AT PRESSURES IN EXCESS OF 14 INCHES WATER COLUMN (3.5 kPa) PRESSURE, THE TEST PRESSURE SHALL BE 30 PSI (207 kPa) FOR 30 MINUTES. THESE TESTS SHALL BE MADE USING AIR, CO2, OR NITROGEN PRESSURE AND SHALL BE MADE IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. NECESSARY APPARATUS FOR CONDUCTING TESTS SHALL BE FURNISHED BY THE PERMIT HOLDER. TEST GAUGES USED IN CONDUCTING TESTS SHALL BE IN ACCORDANCE WITH SECTION 318.0.

SANITARY SEWER

INSTALLATION WASTE PIPING SMALLER THAN 4" IS TO BE SLOPED AT 1/4" PER FOOT. ALL WASTE PIPING 4" AND LARGER MAY BE INSTALLED AT 1/8" SLOPE PER FOOT UPON RECEIVING WRITTEN APPROVAL BY LOCAL JURISDICTION. VERIFY INVERT BEFORE INSTALLATION.

PROVIDE CLEANOUTS ON INTERIOR SANITARY AND STORM PIPING ACCORDING TO LOCAL JURISDICTION AND PLUMBING CODE REQUIREMENTS.

PROVIDE GRADE CLEANOUT WHERE BUILDING SEWER CONNECTS TO SEWAGE SYSTEM.

PROVIDE VENT FOR EVERY TRAP AND TRAPPED FIXTURE. ALL VTRS TO BE 2" MINIMUM AND TERMINATE MINIMUM 10" ABOVE ROOF AND MINIMUM 24" FROM ROOF EDGE OR PARAPET, AND 25' FROM OUTSIDE AIR INTAKE INTO BUILDING.

INSTALL PRESSURE ACTIVATED TRAP PRIMERS ON ALL FLOOR DRAINS AND FLOOR SINKS UNLESS NOTED OTHERWISE. INSTALL TRAP PRIMERS COMPLYING WITH ALL MANUFACTURER REQUIREMENTS. PROVIDE ACCESS PANEL FOR ALL TRAP PRIMERS AND COORDINATE LOCATIONS WITH GENERAL CONTRACTOR/ ARCHITECT. TRAP PRIMERS ARE INTENDED TO BE INSTALLED ABOVE ACCESSIBLE CEILINGS, IN CLOSETS, OR BELOW COUNTERS. ALL TRAP PRIMERS TO BE INSTALLED ON BRANCH PIPING SERVING REGULARLY USED FIXTURES TO ENSURE CORRECT OPERATION. TRAP PRIMER TO OPERATE BASED ON A 5 PSI OR LESS PRESSURE DROP. PROVIDE MIFAB M-500 TRAP PRIMER OR APPROVED EQUAL.

PRESSURE TEST ALL SANITARY SEWER AND VENT AND STORM PIPING PER PLUMBING CODE REQUIREMENTS.

INSULATION INSULATE ALL ROOF DRAIN PIPING AND OVERFLOW DRAIN AND ROOF DRAIN BOWLS PER INSULATION TABLE. PROVIDE ALUMINUM JACKET ON ALL INSULATION LOCATED OUTDOORS.

INSULATE ALL P-TRAPS AND DRAIN BODIES THAT RECEIVE DISCHARGE FROM AN ICE MACHINE.

DOMESTIC WATER

ACCESS PROVIDE ACCESS PANELS FOR ALL VALVES LOCATED IN WALLS OR ABOVE HARD LID CEILINGS. PROVIDE A RATED ACCESS PANEL WHERE LOCATED IN OR ABOVE A FIRE RATED ASSEMBLY. COORDINATE FINAL LOCATION WITH GENERAL CONTRACTOR AND ARCHITECT. COORDINATE ACCESS PANEL COLOR WITH ARCHITECT.

INSTALLATION CONTRACTOR TO PROVIDE FLOW TEST FOR DOMESTIC WATER SUPPLY ON SITE AT BEGINNING OF CONSTRUCTION TO ENGINEER TO CONFIRM AVAILABLE PRESSURE, PRIOR TO PURCHASE AND INSTALLATION OF BOOSTER PUMP/PRV.

PROVIDE AND INSTALL WATER METER PER LOCAL JURISDICTION REQUIREMENTS. COORDINATE LOCATION WITH CIVIL. INSTALL WATER METER READING DEVICE PER LOCAL JURISDICTION REQUIREMENTS.

PROVIDE WATER HAMMER ARRESTOR IN EACH BRANCH LINE SERVING FIXTURES AND EQUIPMENT WITH AUTOMATIC VALVE OPERATORS. SIZE AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PROVIDE ISOLATION VALVES FOR ALL BRANCH LINES SERVING THREE OR MORE FIXTURES. PROVIDE BALANCING VALVES FOR EACH DOMESTIC HOT WATER RETURN PIPING OF TWO BRANCHES OR MORE.

ALL DOMESTIC WATER PIPING ROUTED BELOW SLAB TO HAVE MINIMAL TO NO JOINTS OR FITTINGS BELOW SLAB.

ROUTE WATER PIPING IN HEATED AREAS ONLY. DO NOT ROUTE PIPING IN NON-INSULATED ATTIC, CEILING AND WALL SPACES.

PRESSURE TEST ALL DOMESTIC WATER PIPING PER PLUMBING CODE REQUIREMENTS.

DISINFECT DOMESTIC WATER PIPING PER PLUMBING CODE REQUIREMENTS.

PROVIDE STEEL CHANNEL PIPE SUPPORT BETWEEN HANGERS FOR PEX PIPING TO AVOID SAGGING.

INSULATION INSULATE ALL DOMESTIC HOT WATER PIPING AND RECIRCULATION PIPING AND DOMESTIC COLD WATER PIPING PER INSULATION TABLE. PROVIDE ALUMINUM JACKET ON ALL INSULATION LOCATED OUTDOORS.

STANDARD ABBREVIATIONS

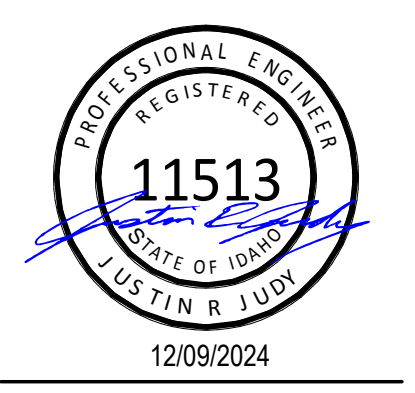
Table listing standard abbreviations for plumbing symbols, including (E) EXISTING, AFF ABOVE FINISHED FLOOR, AI ANALOG INPUT, ALT ALTERNATE, AO ANALOG OUTPUT, BFF BELOW FINISHED FLOOR, CAP. CAPACITY, CD CONDENSATE DRAIN, CV CONSTANT VOLUME, CWFU COLD WATER FIXTURE UNITS, DFU DRAINAGE FIXTURE UNITS, DI DIGITAL INPUT, DIA OR Ø DIAMETER, DO DIGITAL OUTPUT, DSN DOWNSPOUT NOZZLE, EFF EFFICIENCY, DFW DISHWASHER, EWV ENTERING WATER TEMPERATURE, FA FREE AREA, FO FLOOR CLEANOUT, FD FLOOR DRAIN, FPM FEET PER MINUTE, FS FLOOR SINK, FT FEET, FW FRESH WATER, GA GAUGE, GAL GALLON, GD GARAGE DRAIN, GPM GALLONS PER MINUTE, HP HORSEPOWER, HR HOUR, HT HEIGHT, HWFU HOT WATER FIXTURE UNITS, IAQ INDOOR AIR QUALITY, IN INCH, INCHES OF WATER COLUMN, INWG INCHES OF WATER GAUGE, LBS POUNDS, LWT LEAVING WATER TEMPERATURE, MAX MAXIMUM, MBH THOUSAND BRITISH THERMAL UNITS/HOUR, MECH MECHANICAL, MIN MINIMUM, NC NOISE CRITERIA, NIC NOT IN CONTRACT, NO. NUMBER, NOM NOMINAL, NTS NOT TO SCALE, OD OVERFLOW DRAIN, OSA OUTSIDE AIR, PD PRESSURE DROP, PRV PRESSURE REDUCING VALVE, PSI POUNDS PER SQUARE INCH, PSIG POUNDS PER SQUARE INCH GAUGE, RD ROOF DRAIN, RBPB REDUCED PRESSURE BACKFLOW PREVENTER, SL SEA LEVEL, SQ FT SQUARE FEET, SR STORY RISER, SS SERVICE SINK OR STAINLESS STEEL, TP TRAP PRIMER, TSP TOTAL STATIC PRESSURE, UNO UNLESS NOTED OTHERWISE, VAV VARIABLE AIR VOLUME, VFD VARIABLE FREQUENCY DRIVE, VOL VOLUME, VTR VENT THROUGH ROOF, W WITH, W/O WITHOUT, WCO WALL CLEANOUT, WPD WATER PRESSURE DROP, WT WEIGHT.

PLUMBING LEGEND

Table listing plumbing legend symbols and descriptions, including BALL VALVE, BUTTERFLY VALVE, GATE VALVE, GLOBE VALVE, MOTORIZED VALVE OPERATOR, CHECK VALVE (SWING OR LIFT AS REQ'D), SOLENOID VALVE, AUTOMATIC CONTROL VALVE (2-WAY), AUTOMATIC CONTROL VALVE (3-WAY), PRESSURE REDUCING VALVE, P & T RELIEF VALVE, PET COCK OR GAUGE COCK, AUTOMATIC FLOW CONTROL VALVE, WATER HAMMER ARRESTOR, AIR VENT (AUTOMATIC), STRAINER, VENTURI FLOW METER, TEMPERATURE & PRESSURE TEST PLUG, FLOW SWITCH, TEMPERATURE SENSOR, PRESSURE GAUGE W/GAUGE COCK, THERMOMETER, PUMP, ELBOW DOWN, ELBOW UP, TEE DOWN, HOSE BIB OR SILLOCK, PIPE CAP, REDUCER VALVE, UNION, YARD HYDRANT/ROOF HYDRANT, FLOOR DRAIN, FLOOR SINK, CLEANOUT TO GRADE (CTG), FLOOR CLEANOUT (FCO), WALL CLEANOUT (WCO), EXPANSION JOINT, FLEXIBLE PIPE CONNECTION, REDUCED PRESSURE BACKFLOW PREVENTER, DOUBLE CHECK BACKFLOW PREVENTER, TRAP PRIMER.

SHEET INDEX

Table listing sheet index with columns for SHEET NO., SHEET TITLE, and REVISION. Includes sheets P0.00 through P6.11 and a total count of 17 sheets.



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REMODEL FOR: DPW 22511 ISP NEW DISTRICT #6 FACILITY. 1155 FOOTIE DRIVE IDAHO FALLS, IDAHO 83402.

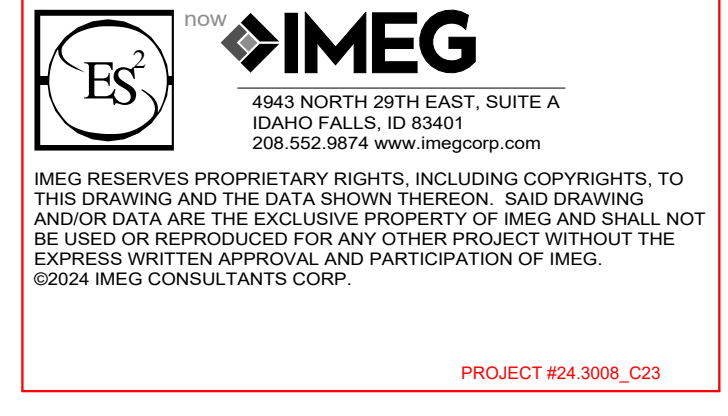
PROJECT: SHEET TITLE: GENERAL NOTES, SHEET INDEX, LEGEND

Table for REVISIONS with columns for revision number, description, and date. Includes revision 1 for IDCP COMMENTS on 2024-12-05.

PROJECT NO. 21034. DATE: AUGUST 2024. DRAWN BY: Author. CHECKED BY: Checker.

DRAWING NO.:

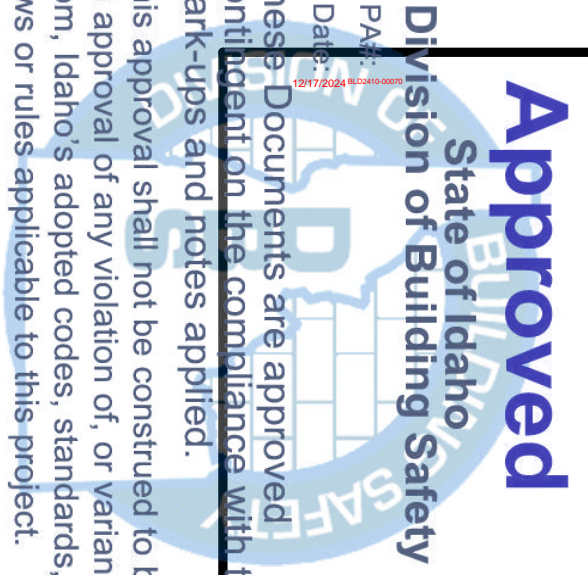
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PROJECT #24-3008_023

This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

These Documents are approved in accordance with the provisions of the Idaho Building Code.



Approved
 State of Idaho
 Division of Building Safety

KEYNOTES

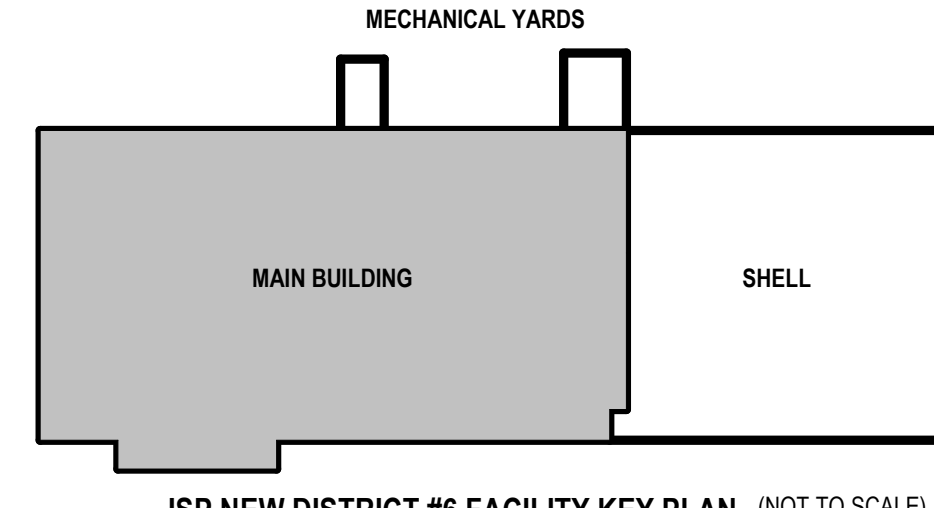
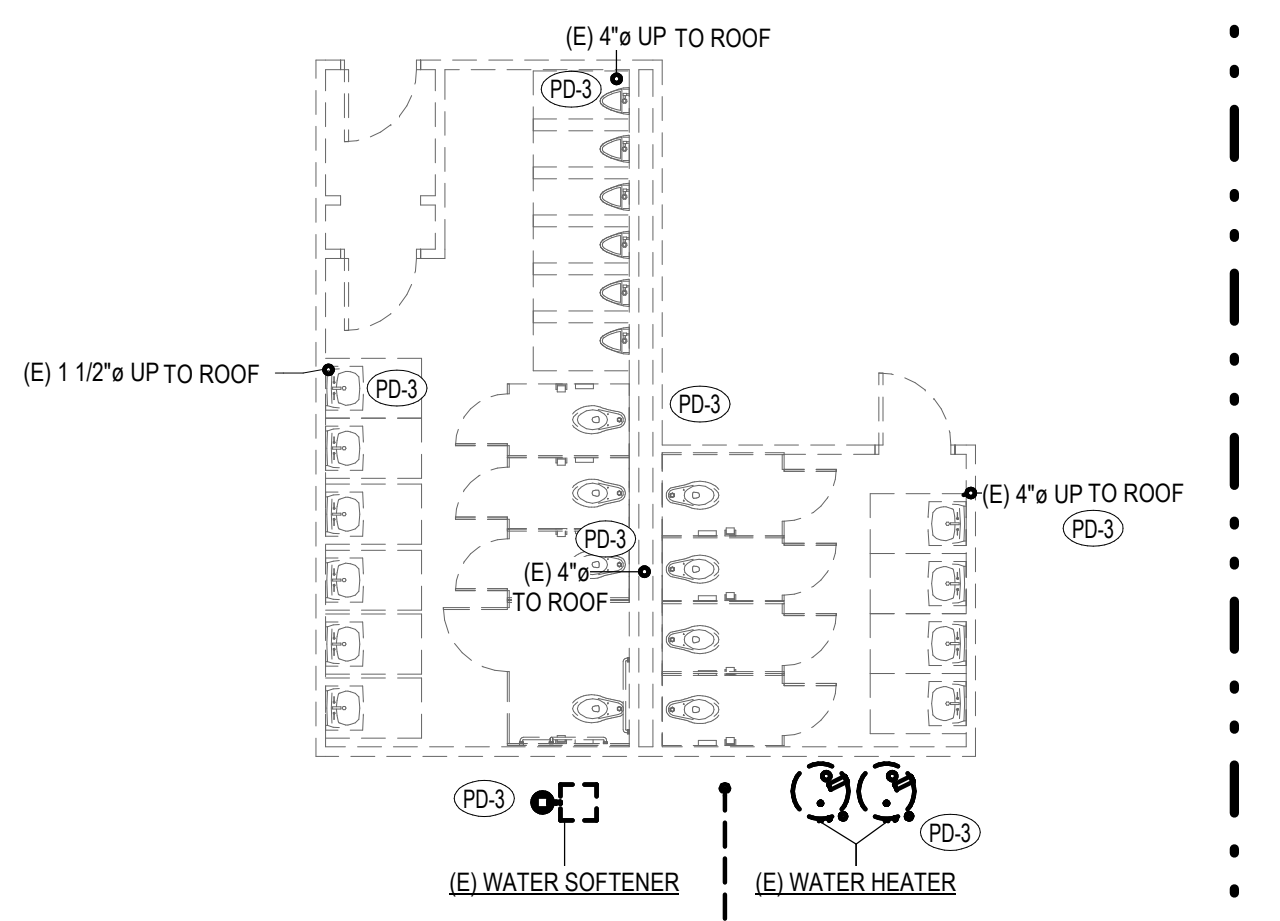
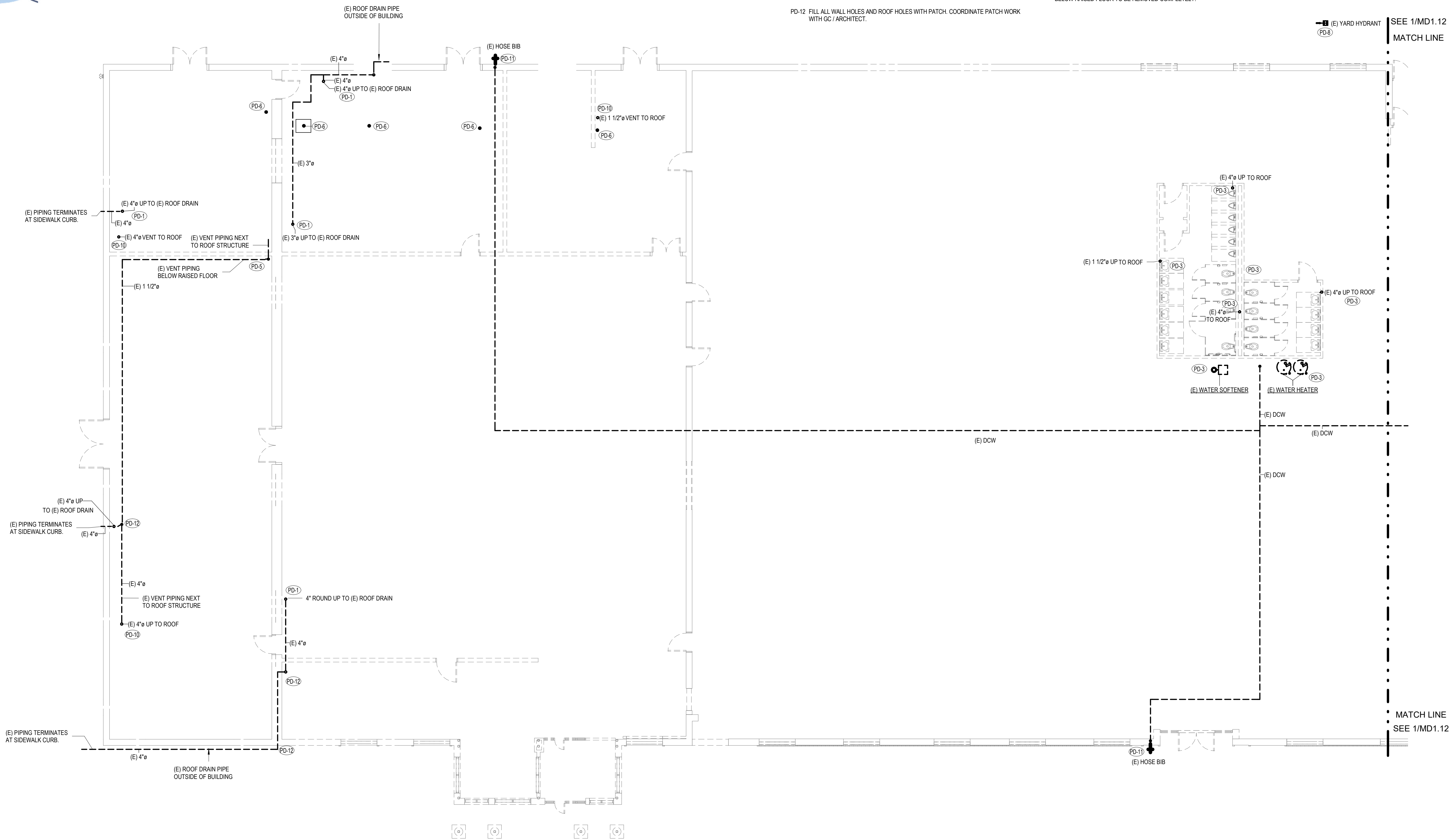
- PD-6 (E) FLOOR DRAIN TO BE REMOVED. CAP PIPING BELOW FINISHED FLOOR WITH WATER TIGHT CAP. PIPING BELOW FINISHED FLOOR TO BE ABANDONED IN PLACE.
- PD-8 DRAIN AND REMOVE (E) YARD HYDRANT. ALL PIPING BELOW GRADE TO SEALED WATER TIGHT AND ABANDONED IN PLACE.
- PD-10 REMOVE (E) VTR COMPLETELY. COORDINATE PATCH WORK WITH GC.
- PD-11 REMOVE (E) HOSE BIB AND ASSOCIATED (E) PIPING COMPLETELY. CAP PIPING BELOW FINISHED FLOOR WITH WATER TIGHT CAP. PIPING BELOW FINISHED FLOOR TO BE ABANDONED IN PLACE. COORDINATE PATCH WORK WITH GC.
- PD-12 FILL ALL WALL HOLES AND ROOF HOLES WITH PATCH. COORDINATE PATCH WORK WITH GC / ARCHITECT.

KEYNOTES

- PD-1 REMOVE (E) ROOF DRAIN COMPLETELY. CAP ALL (E) PIPING BELOW FINISHED FLOOR WITH WATER TIGHT CAP. ALL PIPING BELOW FINISHED FLOOR TO REMAIN ABANDON IN PLACE. FILL ALL EXTERIOR WALL HOLES AND ROOF HOLES WITH PATCH. COORDINATE PATCH WORK WITH GC / ARCHITECT.
- PD-3 DRAIN AND REMOVE (E) WATER HEATER, (E) WATER SOFTENER, ALL (E) PLUMBING FIXTURES, (E) FLOOR DRAINS AND (E) ASSOCIATED PIPING COMPLETELY. CAP ALL (E) WATER LINES BELOW FINISHED FLOOR WITH WATER TIGHT CAP. ALL PIPING BELOW FINISHED FLOOR TO BE ABANDON IN PLACE.
- PD-5 (E) ALL PIPING ABOVE RAISED FLOOR TO BE REMOVED COMPLETELY. ALL PIPING BELOW RAISED FLOOR TO BE REMOVED COMPLETELY.

PLAN NOTES

A. EXISTING PIPING LOCATIONS AND SIZES ARE SHOWN FOR REFERENCE AND ARE BASED ON PREVIOUS DRAWINGS AND SITE VISITS. VERIFY LOCATIONS AND SIZES IN FIELD.

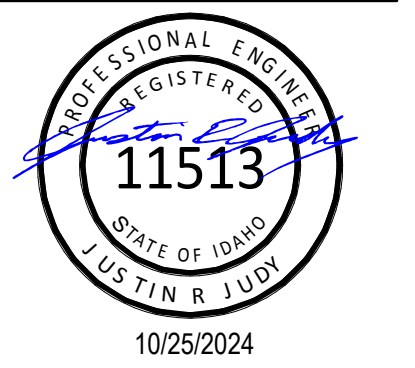


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PROJECT #24_3008_C23

PLUMBING DEMOLITION FLOOR PLAN - MAIN BUILDING
 SCALE: 1/8" = 1'-0"



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

SHEET TITLE: **PLUMBING DEMOLITION FLOOR PLAN - MAIN BUILDING**

PROJECT:

REVISIONS

PROJECT NO. 21034
 DATE: AUGUST 2024
 DRAWN BY: Author
 CHECKED BY: Checker

DRAWING NO.: **PD1.10**

This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

These Documents are approved in accordance with the mark-ups and notes applied.

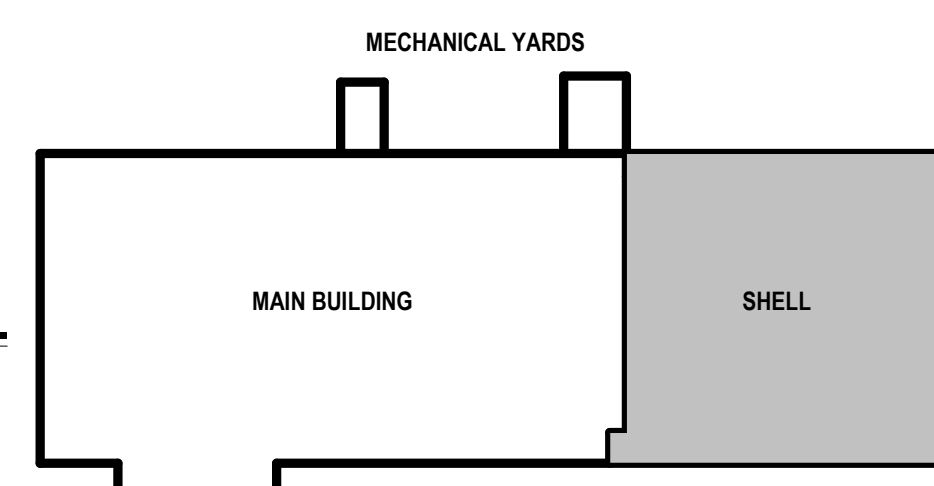
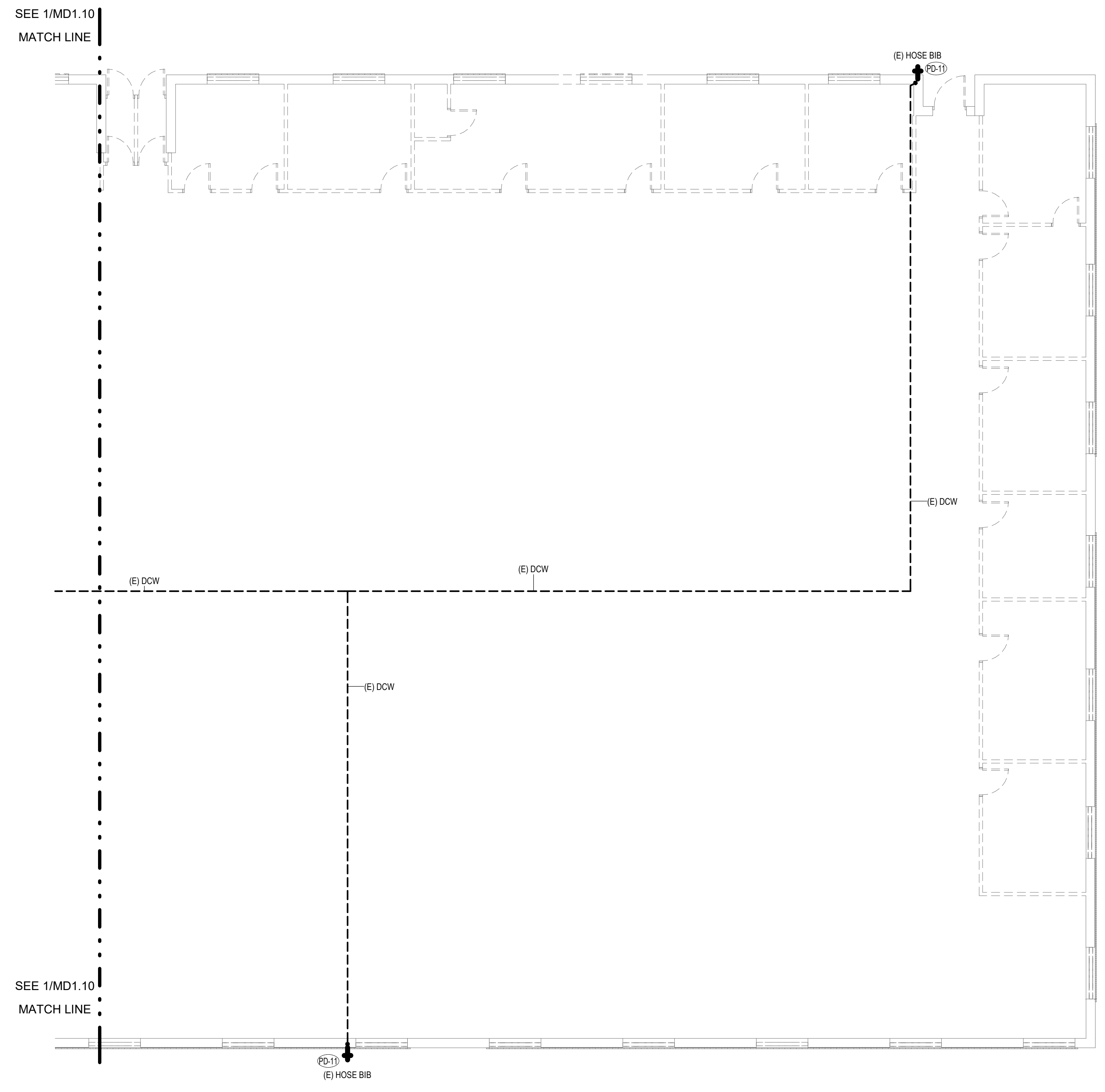
Approved
State of Idaho
Division of Building Safety

KEYNOTES

PD-11 REMOVE (E) HOSE BIB AND ASSOCIATED (E) PIPING COMPLETELY. CAP PIPING BELOW FINISHED FLOOR WITH WATER TIGHT CAP. PIPING BELOW FINISHED FLOOR TO BE ABANDONED IN PLACE. COORDINATE PATCH WORK WITH GC.

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PLUMBING DEMOLITION FLOOR PLAN - SHELL
 SCALE: 1/8" = 1'-0"



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 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: PLUMBING DEMOLITION FLOOR PLAN - SHELL

REVISIONS

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REMODEL FOR:
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1155 FOOTE DRIVE
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PROJECT:
SHEET TITLE: **PLUMBING DEMOLITION ROOF PLAN - MAIN BUILDING**

REVISIONS

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PROJECT NO. 21034
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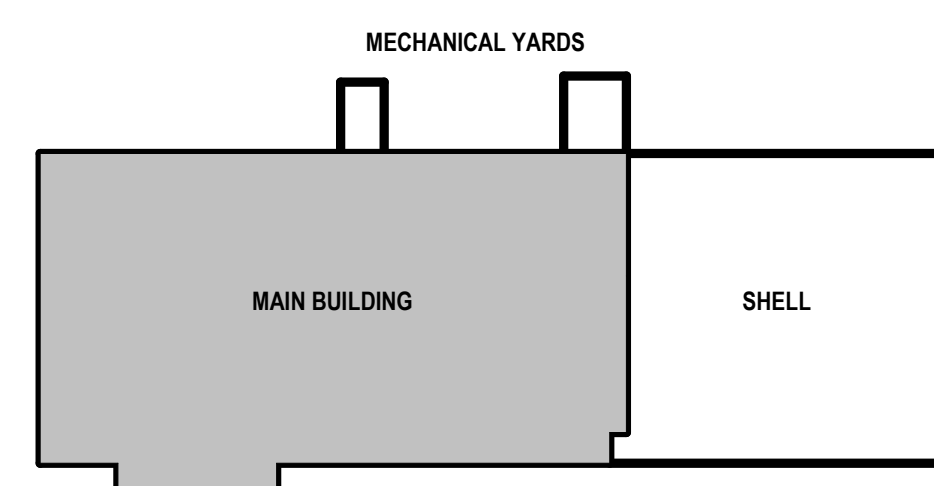
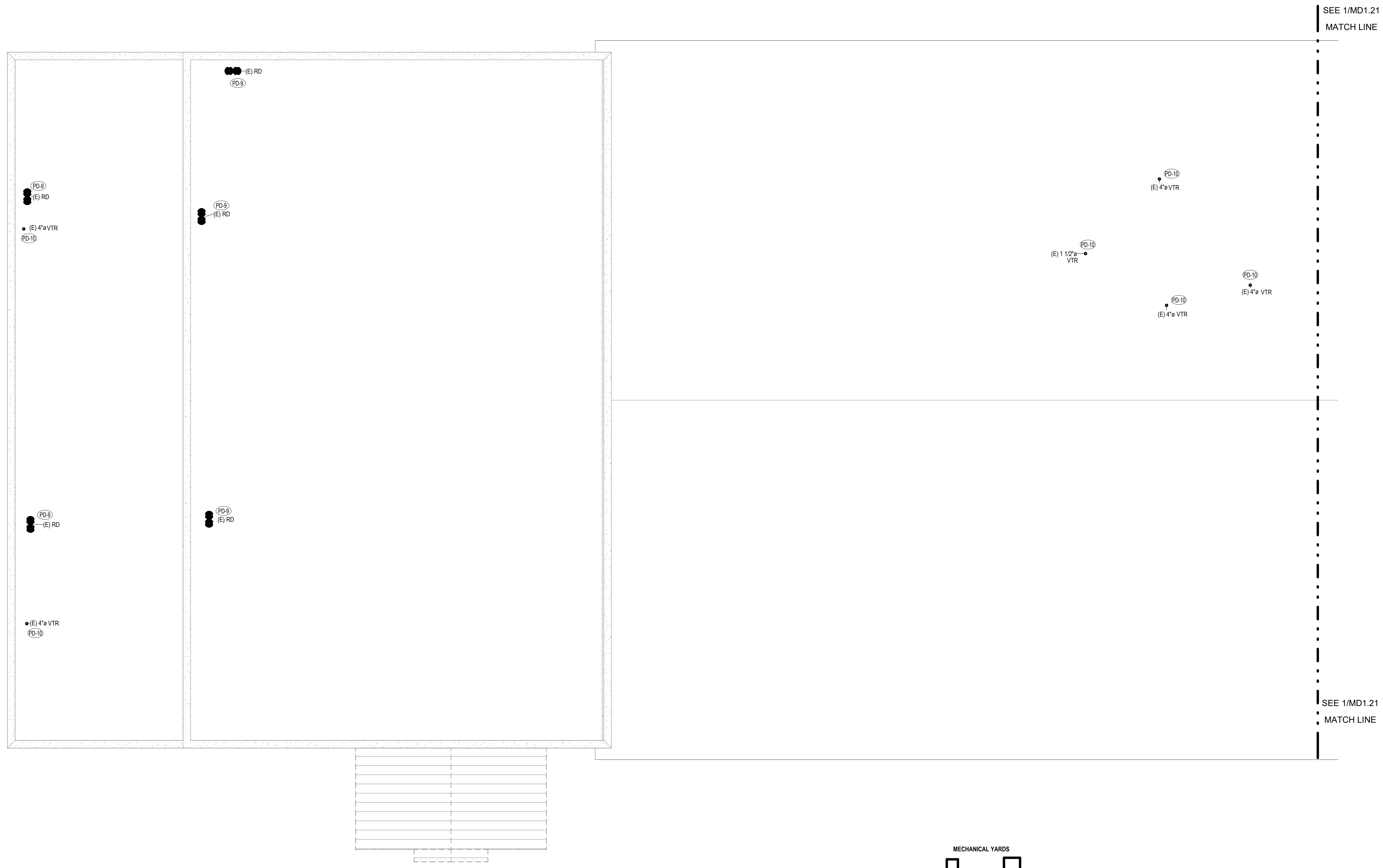
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KEYNOTES

PD-9 REMOVE (E) ROOF DRAIN AND OVERFLOW COMPLETELY. COORDINATE PATCH WORK WITH GC.
PD-10 REMOVE (E) VTR COMPLETELY. COORDINATE PATCH WORK WITH GC.



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ISP NEW DISTRICT #6 FACILITY KEY PLAN (NOT TO SCALE)

PLUMBING DEMOLITION ROOF PLAN - MAIN BUILDING
SCALE: 1/8" = 1'-0"

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

PROJECT:
SHEET TITLE:
PLUMBING FLOOR PLAN - SHELL

REVISIONS

NO.	DESCRIPTION

PROJECT NO.
21034
DATE:
AUGUST 2024
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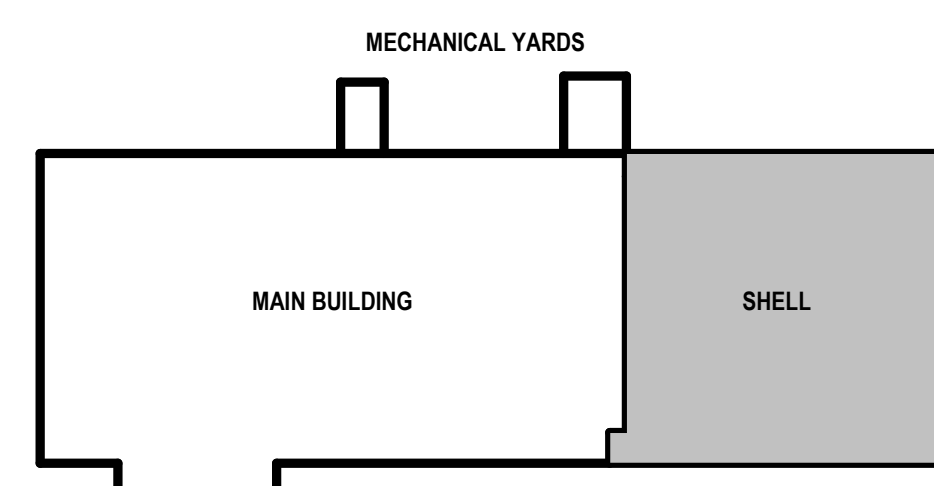
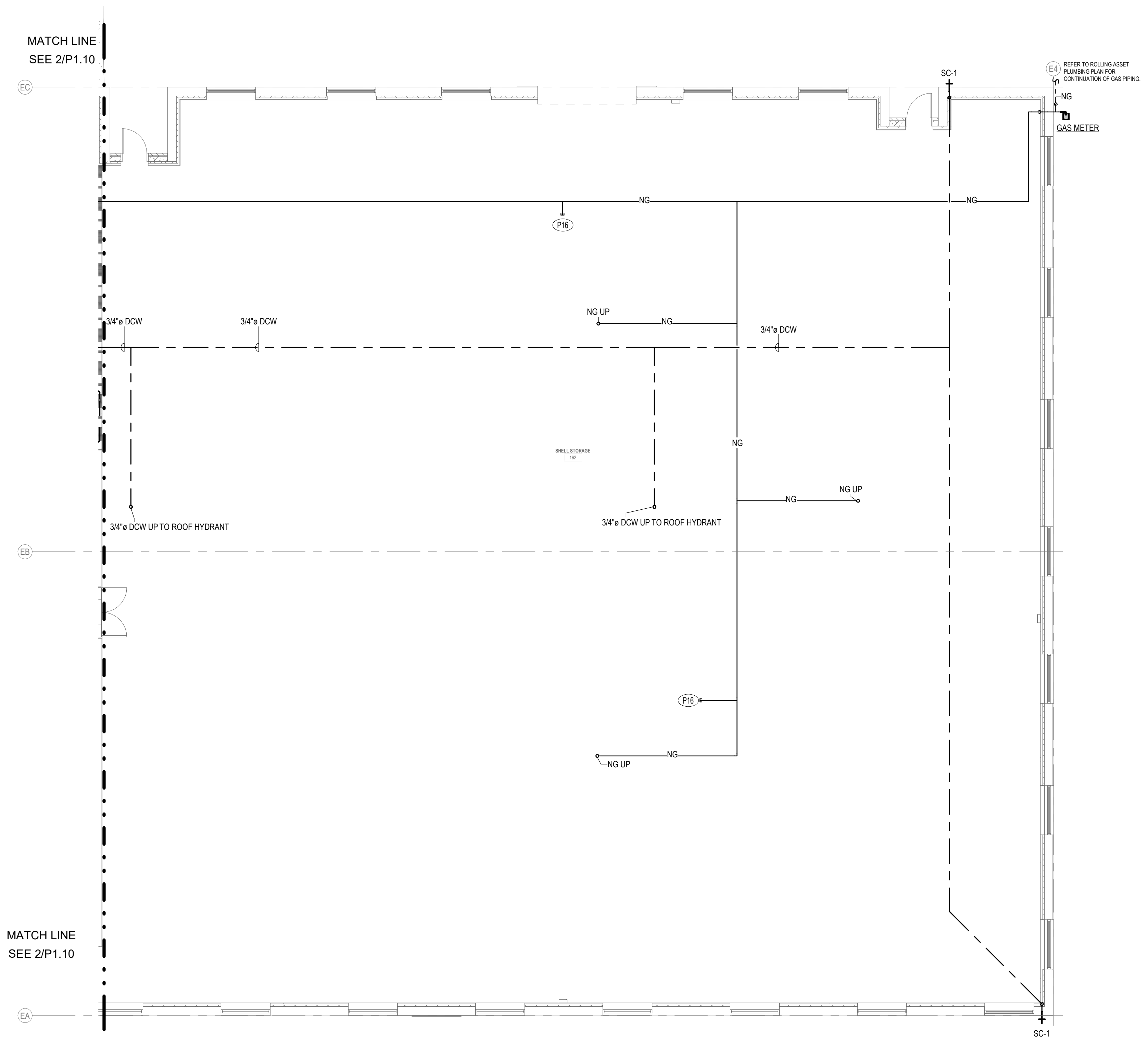
DRAWING NO.:
P1.11

PLAN NOTES

- A. REFER TO GAS SCHEMATIC FOR GAS PIPE SIZING AND REQUIREMENTS.
- B. CONDENSATE PIPING TO BE 3/4" UNLESS SPECIFIED OTHERWISE. SLOPE ALL CONDENSATE PIPING AT MIN 1/8" PER FT. CONDENSATE PIPING IS INTENDED TO BE ROUTED ABOVE CEILINGS AND WITHIN WALLS. COORDINATE ROUTING WITH ALL TRADES PRIOR TO INSTALLATION.
- C. ROOF DRAINS SIZED FOR 1.2 IN/HR (0.012 GPM/SQFT) AT 1/8" PER FOOT SLOPE.
- D. ROUTE PIPING FROM EACH FIXTURE TO NEAREST MAINLINE. REFER TO PLUMBING FIXTURE SCHEDULE FOR REQUIRED PIPE CONNECTIONS AND PIPE RUNOUT SIZES.
- E. ALL PIPING MAINS ARE TO BE ROUTED WITHIN JOISTS TO ACCOMMODATE ROOM BELOW JOISTS FOR DUCTING. COORDINATE LAYOUTS WITH ALL TRADES.

KEYNOTES

P16 CAP STUB OUT FOR FUTURE EXPANSION. REFER TO GAS SCHEMATIC FOR SIZING REQUIREMENTS



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PLUMBING FLOOR PLAN - SHELL
SCALE: 1/8" = 1'-0"

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10/25/2024 3:43:59 PM Autodesk Docs://DPW 22511 ISP District 6 HQ/24-3008 -Idaho State Police D6 HQ Revisions_MP.rvt

PLAN NOTES

- A. ROOF DRAINS SIZED FOR 1.2 INHR (0.012 GPM/SQFT) AT 1/8" PER FOOT SLOPE.
- B. ALL PIPING MAINS ARE TO BE ROUTED WITHIN JOISTS TO ACCOMMODATE ROOM BELOW JOISTS FOR DUCTING. COORDINATE LAYOUTS WITH ALL TRADES.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

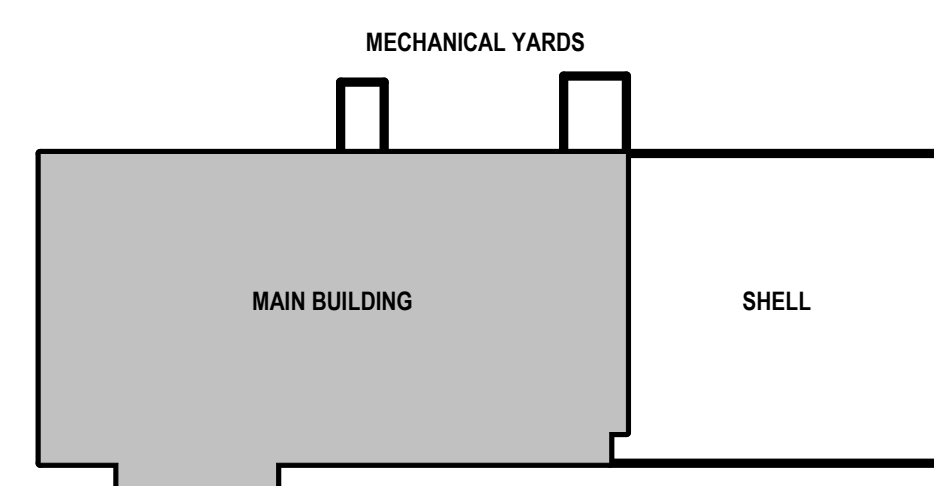
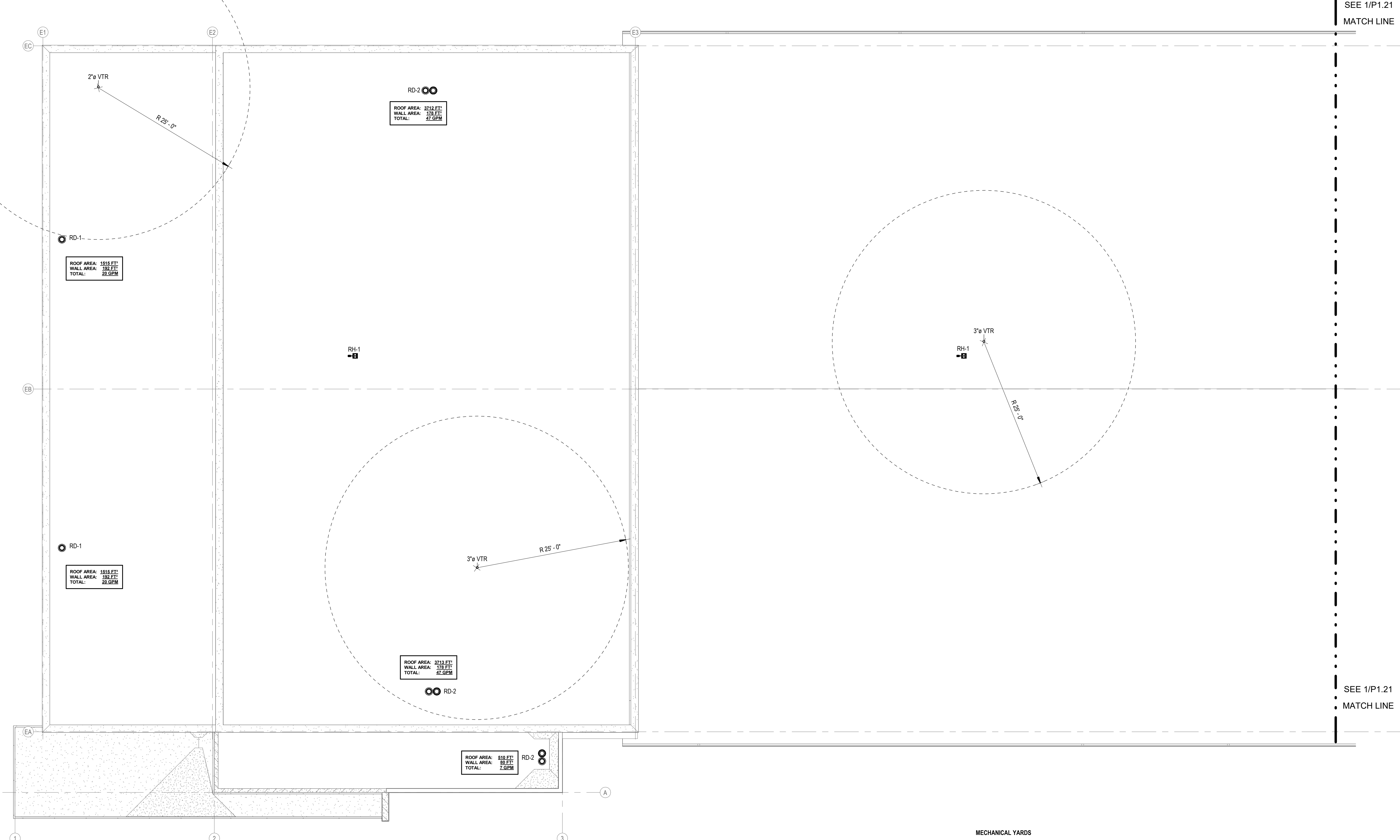
PROJECT TITLE: PLUMBING ROOF PLAN - MAIN BUILDING

PROJECT: _____
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ISP NEW DISTRICT #6 FACILITY KEY PLAN (NOT TO SCALE)

PLUMBING ROOF PLAN - MAIN BUILDING
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PLAN NOTES

- A. ROOF DRAINS SIZED FOR 1.2 INHR (0.012 GPM/SQFT) AT 1/8" PER FOOT SLOPE.
- B. ALL PIPING MAINS ARE TO BE ROUTED WITHIN JOISTS TO ACCOMMODATE ROOM BELOW JOISTS FOR DUCTING. COORDINATE LAYOUTS WITH ALL TRADES.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY

1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

PLUMBING ROOF PLAN - SHELL

PROJECT:
SHEET TITLE:

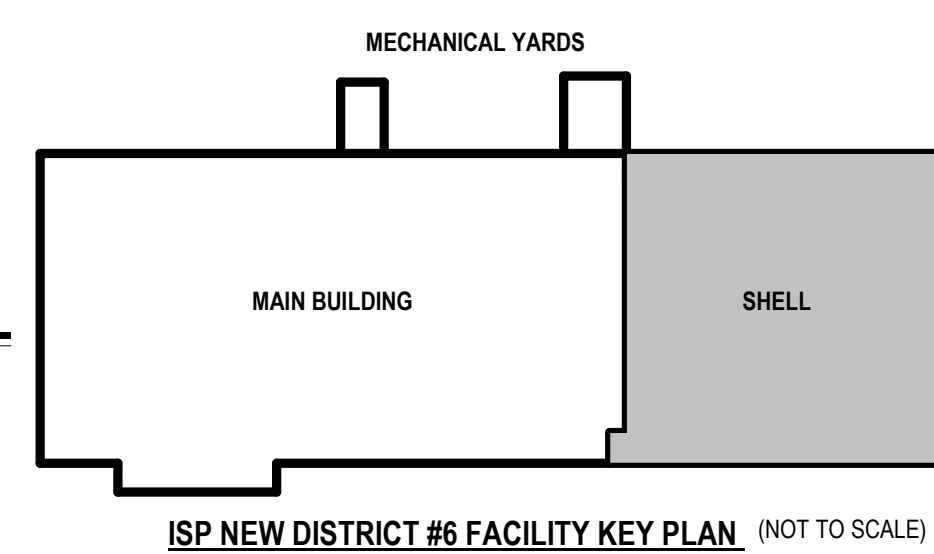
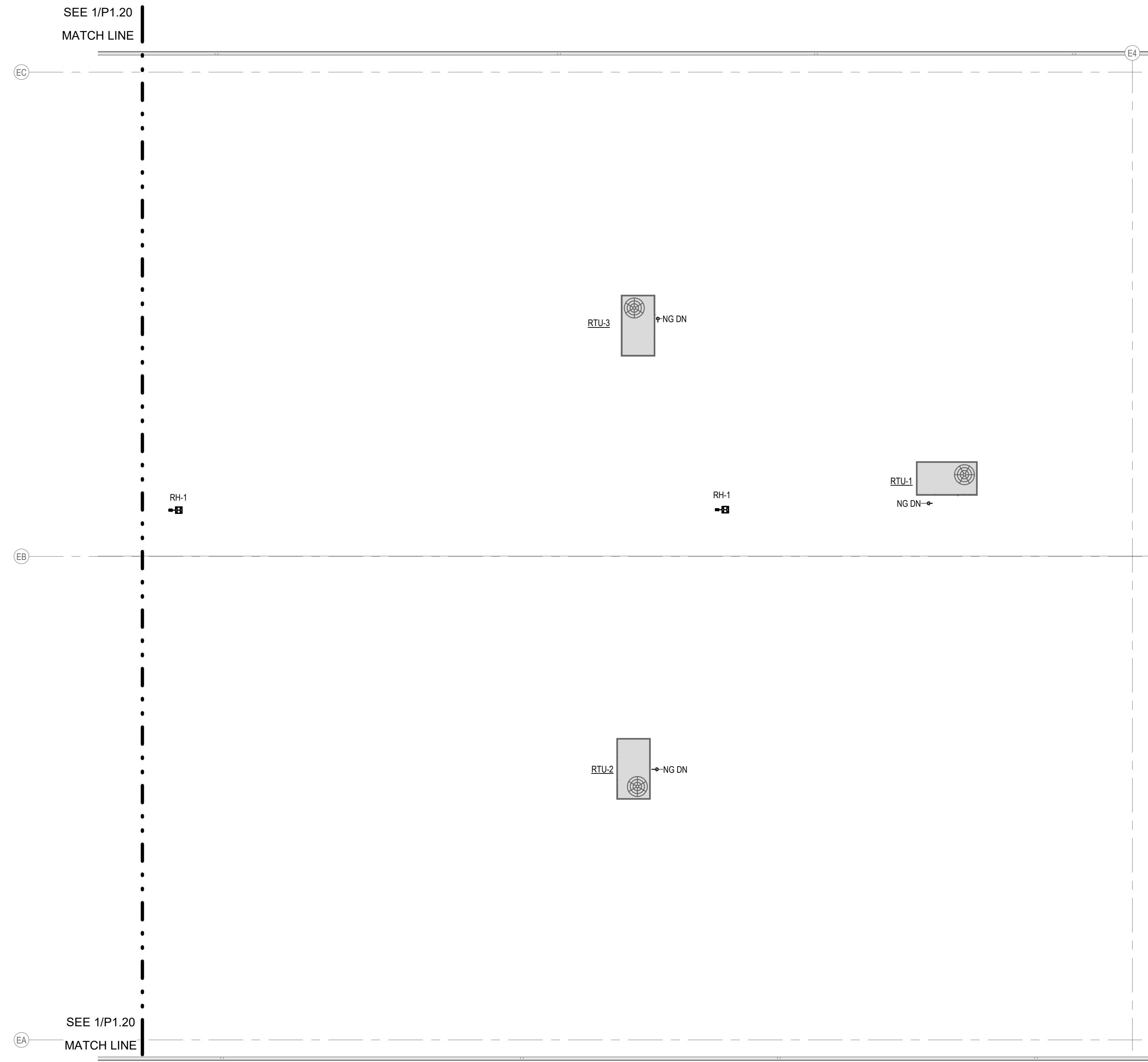
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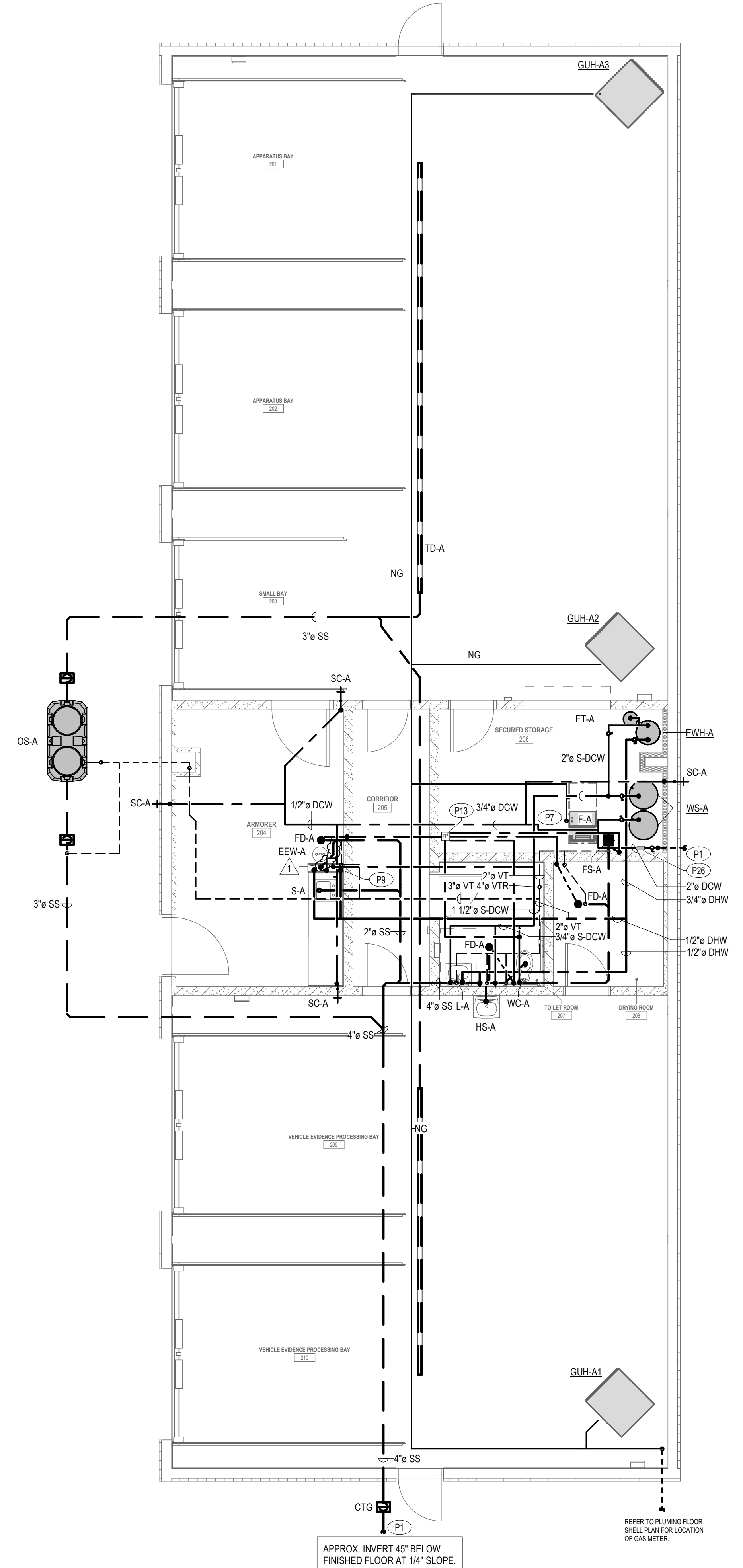


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PLUMBING ROOF PLAN - SHELL
SCALE: 1/8" = 1'-0"

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KEYNOTES

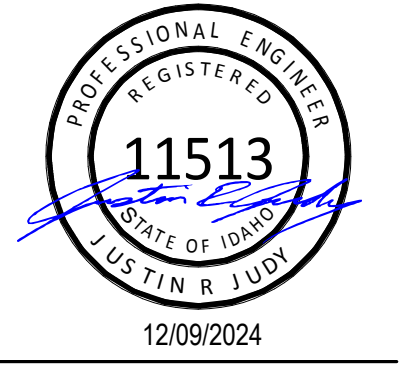
- P1 REFER TO CIVIL FOR CONTINUATION OF PIPING.
- P7 PRIMARY CONDENSATE TO INDIRECTLY TERMINATE AT NEAREST FLOOR DRAIN.
- P9 COLD AND HOT WATER, AND VENT PIPING INTENDED TO BE ROUTED UNDER COUNTER TO SINK.
- P13 INSTALL TRAP PRIMER PER MANUFACTURE'S RECOMMENDATIONS.
- P26 RBPB TO BE WATTS LF009 LOW PRESSURE DROP OR APPROVED EQUAL. SIZED FOR 17 GPM AND A MAX 10 PSI.

PLAN NOTES

- A. REFER TO GAS SCHEMATIC FOR GAS PIPE SIZING AND REQUIREMENTS.
- B. CONDENSATE PIPING TO BE 3/4\"/>

PLUMBING FLOOR PLAN - ROLLING ASSETS BULIDING (ADD ALTERNATE #1)
 SCALE: 3/16" = 1'-0"

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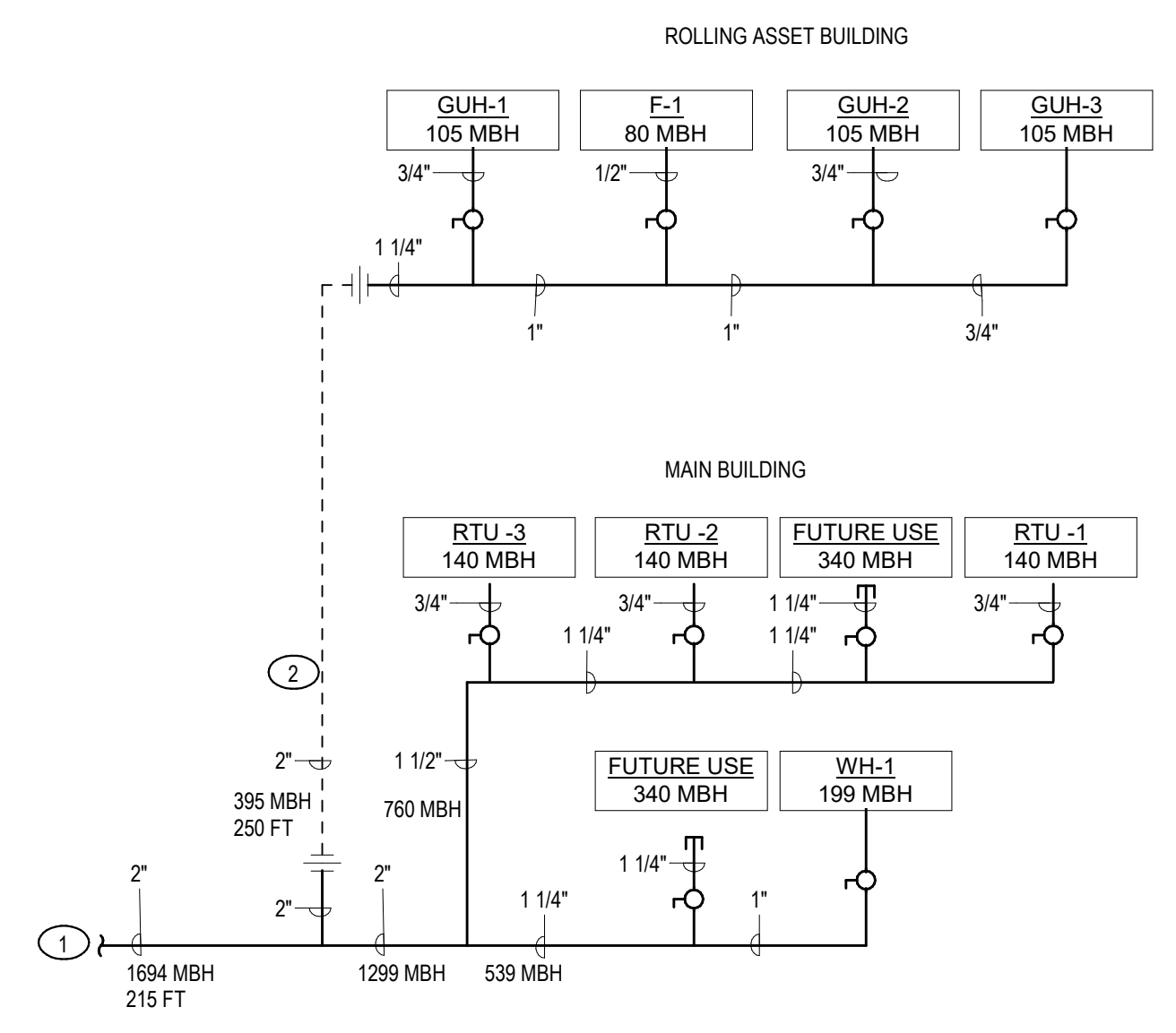
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 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 PROJECT TITLE: PLUMBING FLOOR PLAN - ROLLING ASSETS BUILDING (ADD ALTERNATE #1)

REVISIONS

1	DCPL COMMENTS	2024-12-05
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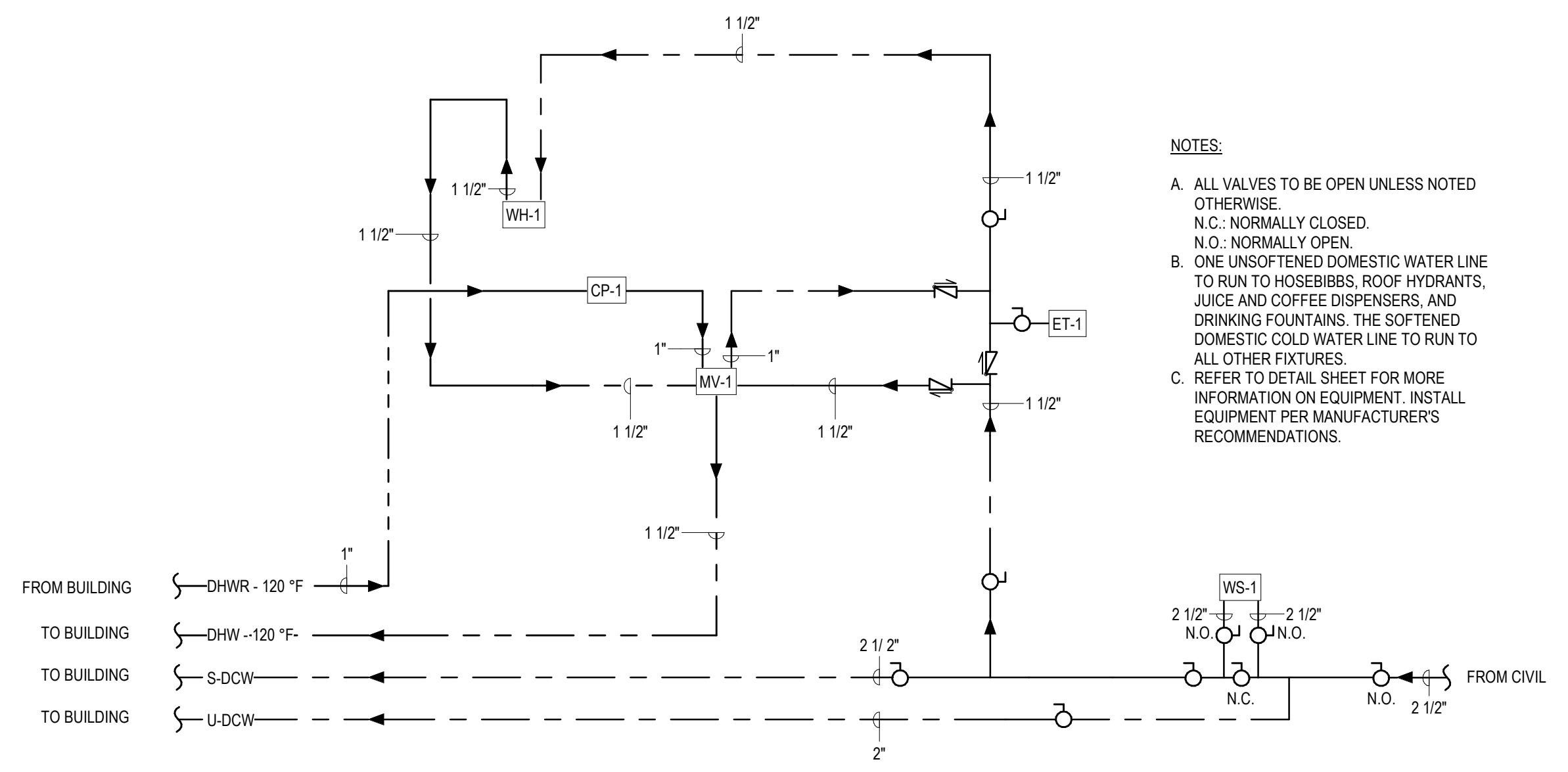
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KEYNOTES:
 1. TO GAS METER, REFER TO FLOOR PLANS FOR LOCATION. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH GAS PROVIDER PRIOR TO TRENCHING AND INSTALLATION OF PIPING.
 2. DASHED LINES INDICATES GAS PIPING BELOW GRADE.
NOTES:
 A. GAS COMPANY TO PROVIDE MBH AS INDICATED AT 11 IN WC DOWNSTREAM OF METER.
 B. GAS PIPING SIZED PER LONGEST LENGTH (250 FT) METHOD PER TABLE 402.4(3) ABOVE GROUND AND 402.4(21) FOR BELOW GRADE IN THE IFGC.
 C. 11 IN WC PIPING SIZED AT THE MAXIMUM EQUIVALENT LENGTHS SHOWN. VERIFY MAX PRESSURE OF EACH PIECE OF EQUIPMENT BEFORE INSTALL.
 D. ALL GAS CONNECTIONS TO WATER HEATERS TO BE PROVIDED WITH A SEDIMENT TRAP.
 E. PROVIDE ACCESS TO ALL VALVES AND REGULATORS. VENT ALL REGULATORS TO EXTERIOR PER LOCAL JURISDICTION REQUIREMENTS AND MANUFACTURER REQUIREMENTS. USE SENSUS 243 MODEL PRESSURE REGULATOR (OR APPROVED EQUAL). REGULATOR TO BE LISTED IN ACCORDANCE WITH CSA Z21.80.

1 GAS SCHEMATIC



NOTES:
 A. ALL VALVES TO BE OPEN UNLESS NOTED OTHERWISE.
 N.C.: NORMALLY CLOSED.
 N.O.: NORMALLY OPEN.
 B. ONE UNSOFTENED DOMESTIC WATER LINE TO RUN TO HOSEBIBBS, ROOF HYDRANTS, JUICE AND COFFEE DISPENSERS, AND DRINKING FOUNTAINS. THE SOFTENED DOMESTIC COLD WATER LINE TO RUN TO ALL OTHER FIXTURES.
 C. REFER TO DETAIL SHEET FOR MORE INFORMATION ON EQUIPMENT. INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.

2 WATER SCHEMATIC

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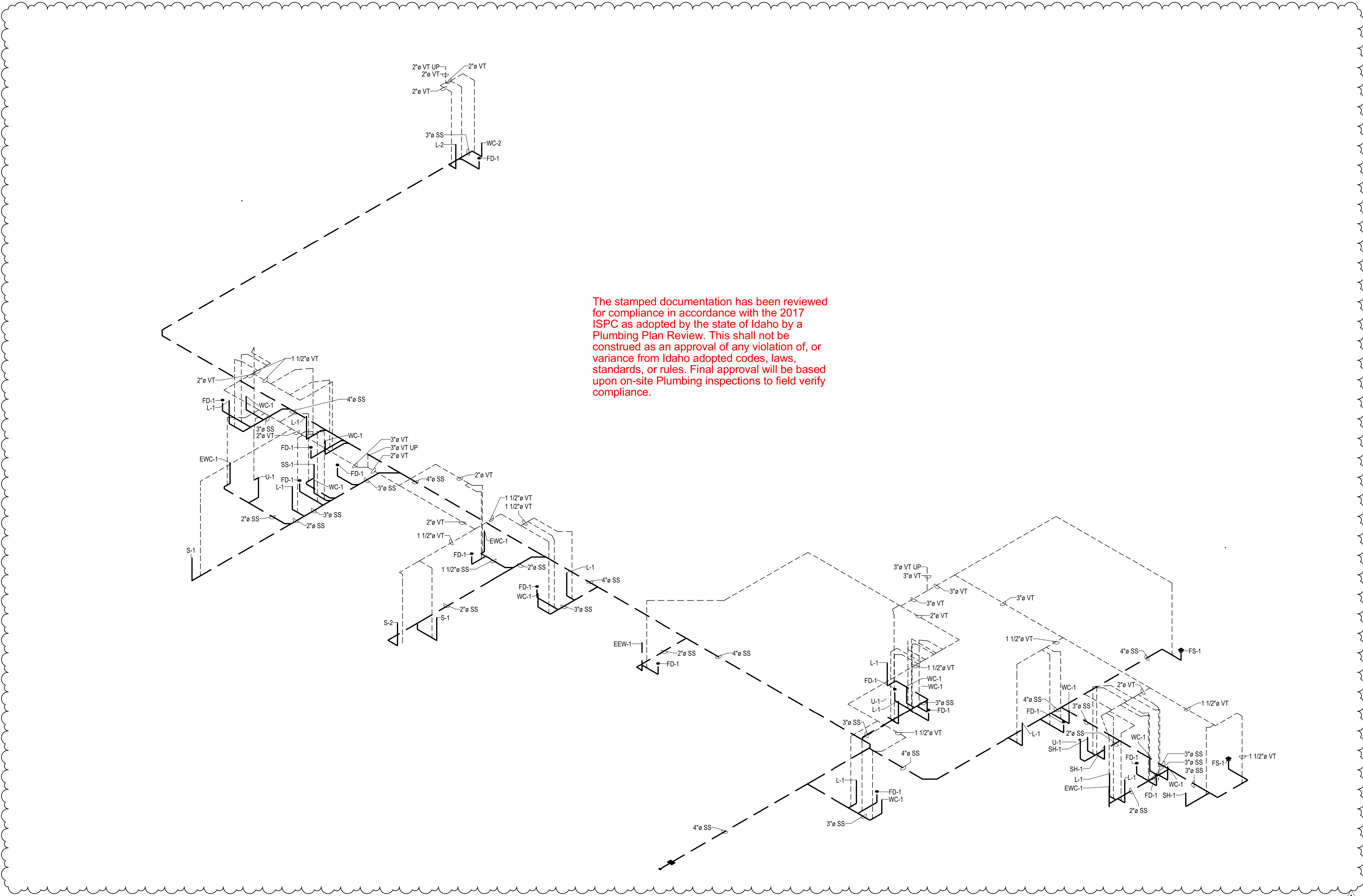
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 SHEET TITLE: PLUMBING SCHEMATICS

REVISIONS

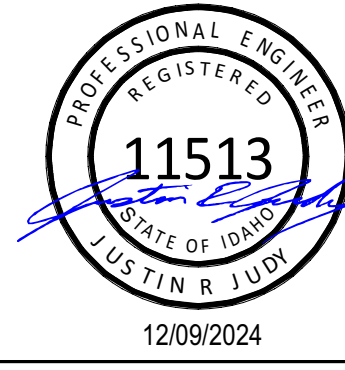
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REMODEL FOR:
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IDAHO FALLS, IDAHO 83402
PROJECT TITLE: **PLUMBING ISOMETRIC - MAIN BUILDING WASTE AND VENT**

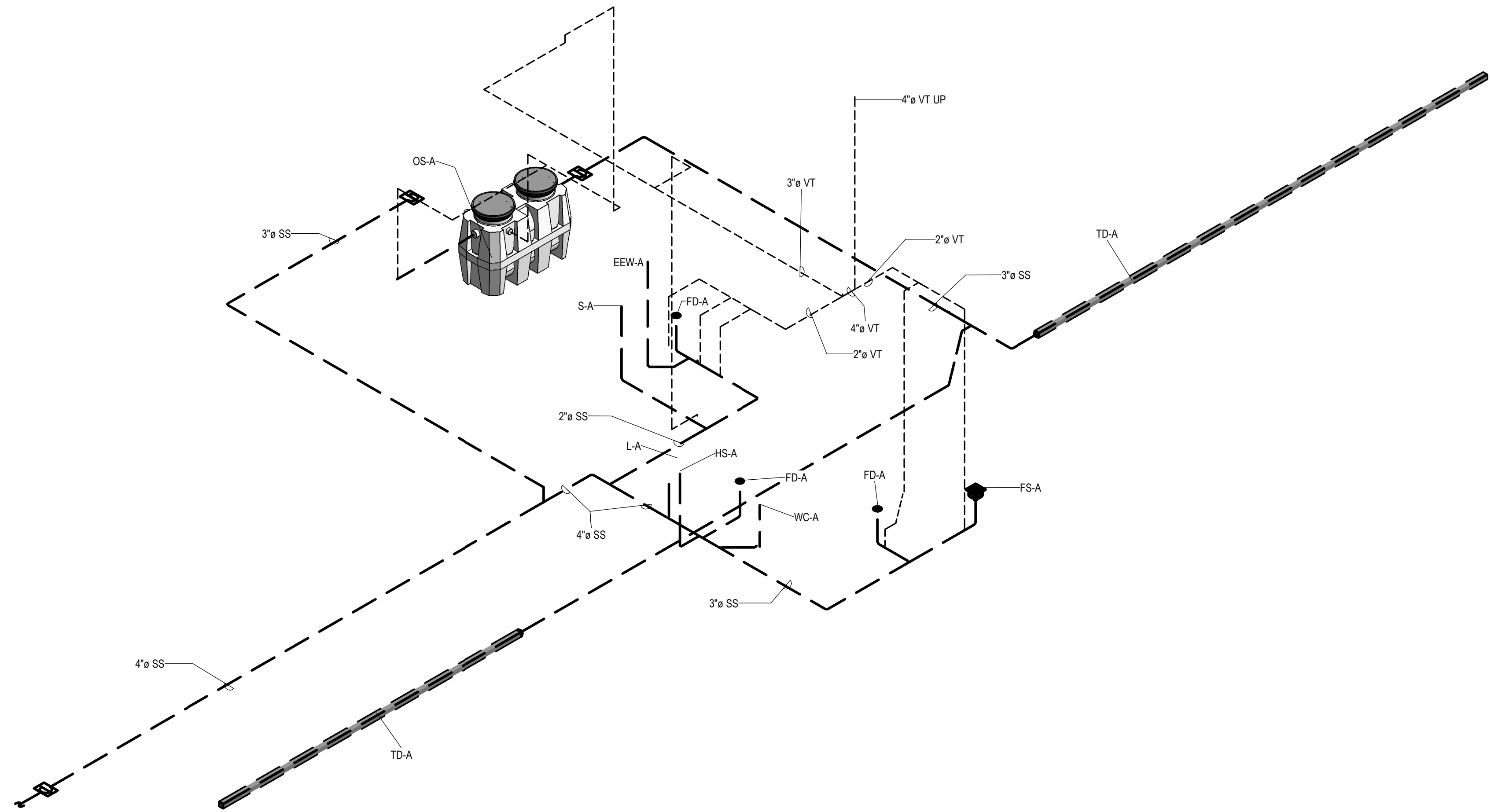
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REVISIONS		
1	DOPL COMMENTS	2024-12-05

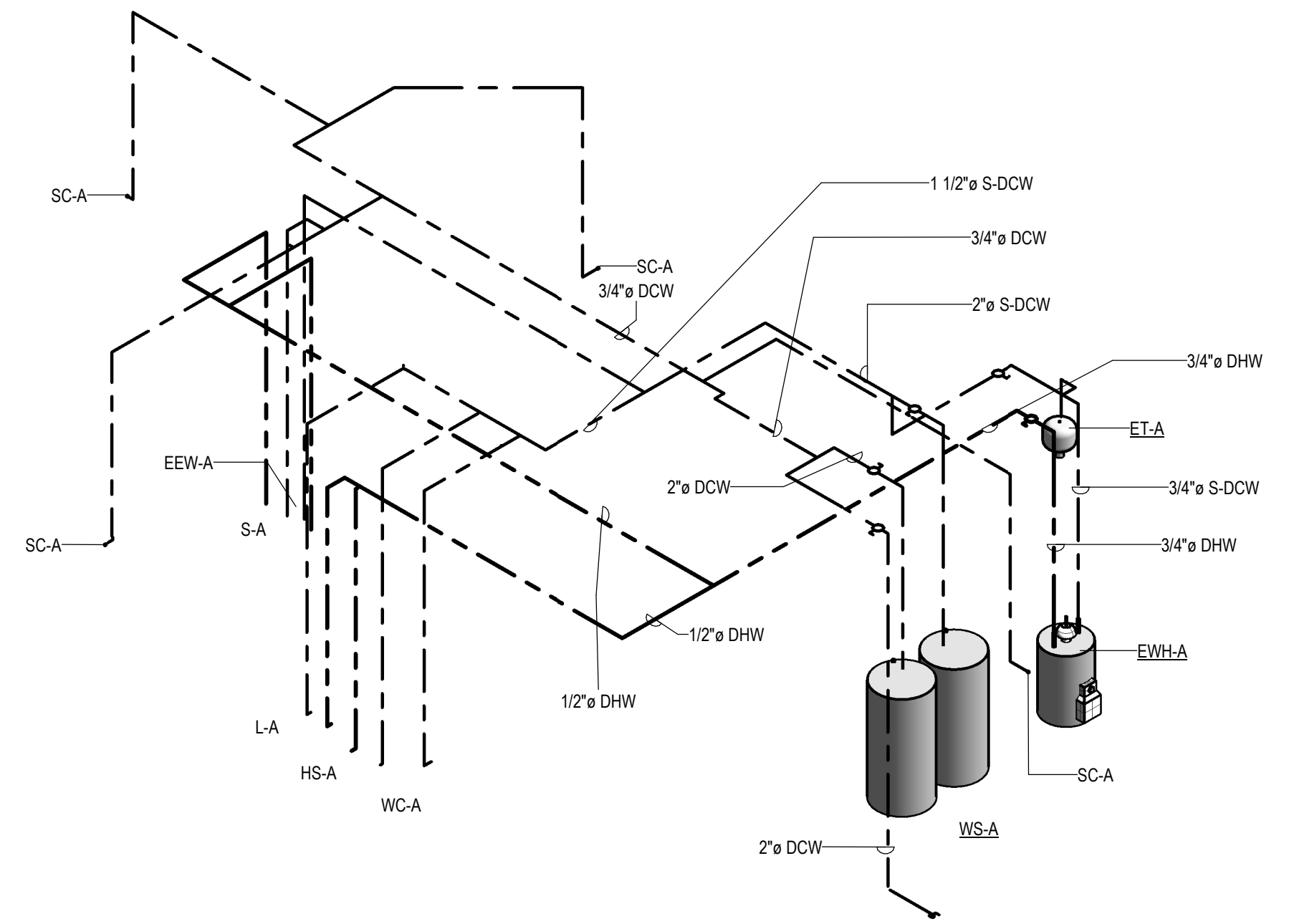
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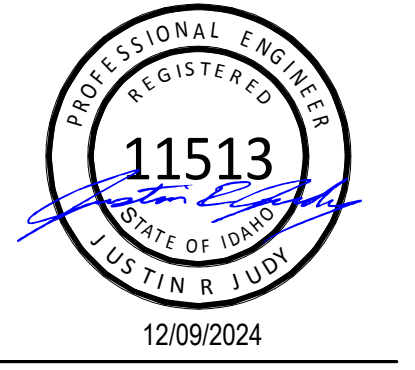


1 P2.12 PLUMBING ISOMETRIC ROLLING BUILDING WASTE AND VENT (ADD ALTERNATE #1)



2 P2.12 PLUMBING ISOMETRIC - ROLLING ASSETS BUILDING WATER (ADD ALTERNATE #1)

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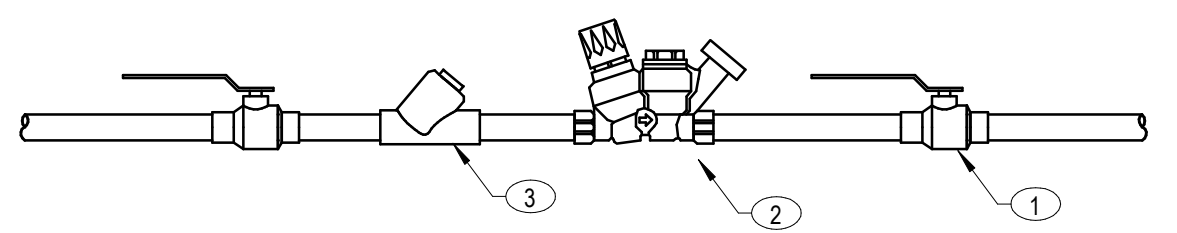
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1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402
PROJECT:
SHEET TITLE: PLUMBING ISOMETRIC - ROLLING ASSETS BUILDING (ADD ALTERNATE #1)

REVISIONS

NO.	DESCRIPTION	DATE
1	DCPL COMMENTS	2024-12-05

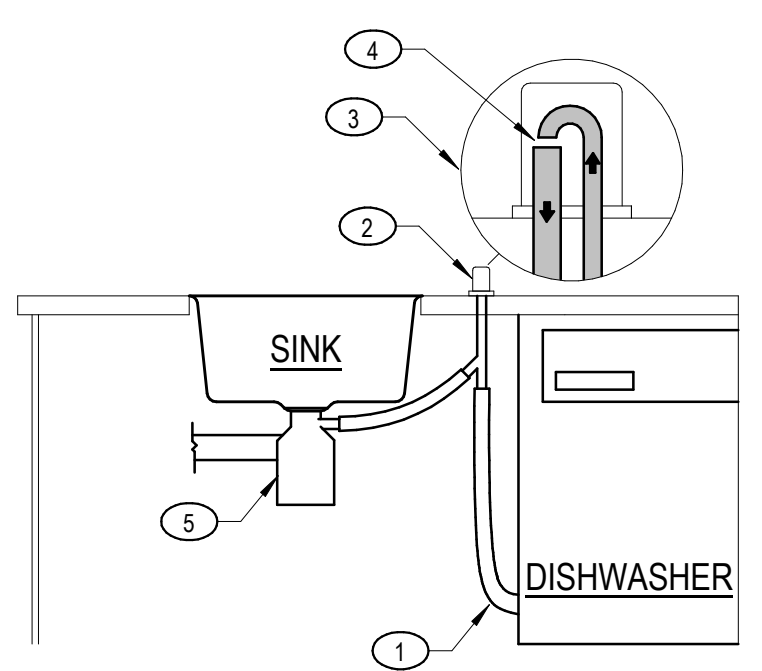
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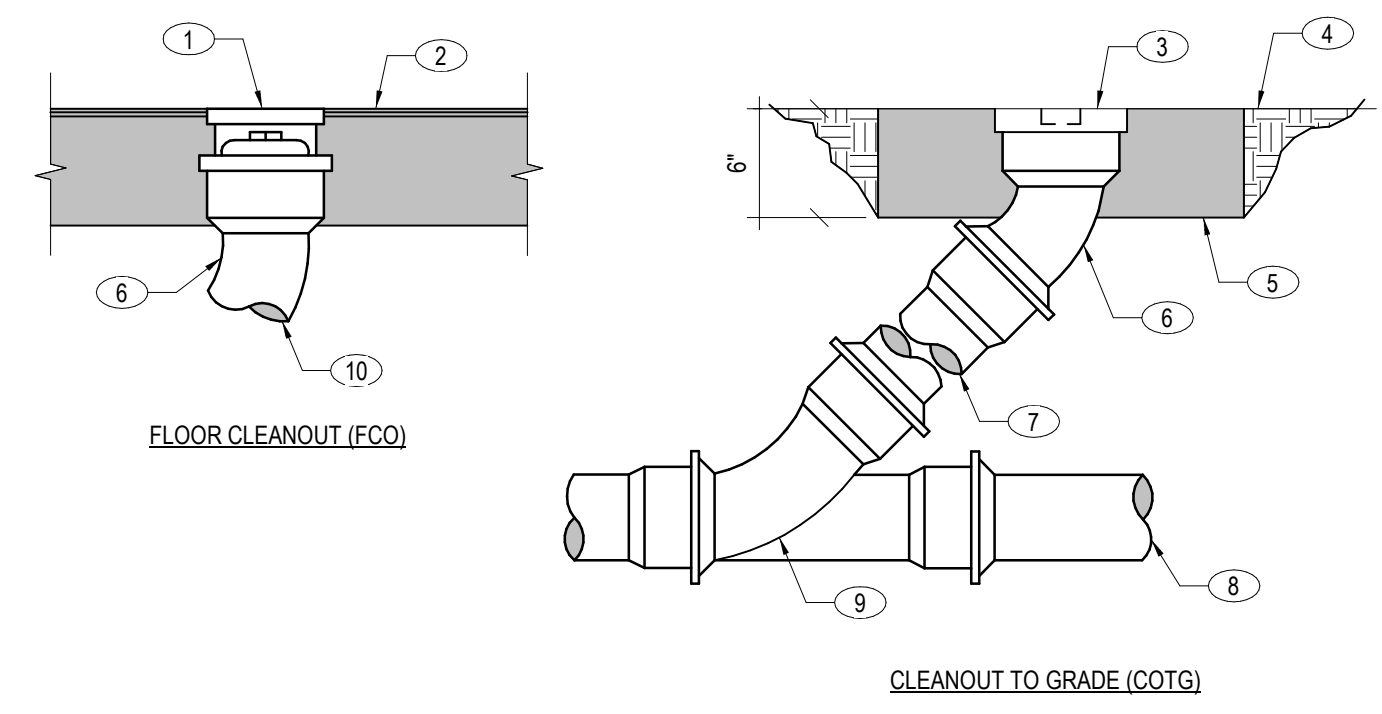
7
 P5.10
TYPICAL THERMOSTATIC FLOW CONTROL VALVE

- KEYNOTES:**
1. BALL VALVE (TYP).
 2. THERMOSTATIC FLOW CONTROL VALVE (NSF 61 CERTIFIED).
 3. CHECK VALVE.
- NOTES:**
- A. THERMOSTATIC FLOW CONTROL VALVE TO BE CALEFFI 01329/20 NA OR EQUAL.
 - B. REFER TO DRAWINGS FOR LOCATIONS OF THERMOSTATIC FLOW CONTROL VALVES.
 - C. GPM REQUIRED FOR EACH THERMOSTATIC FLOW CONTROL VALVE IS INDICATED ON DRAWINGS.
 - D. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



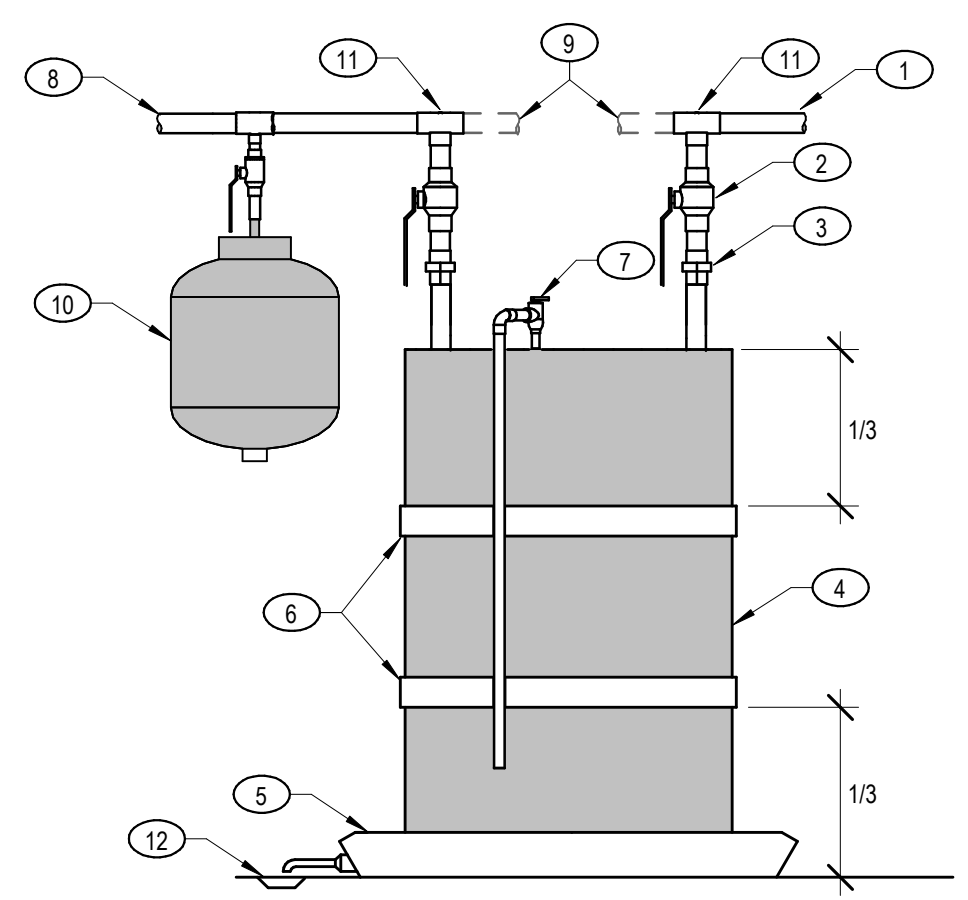
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 P5.10
TYPICAL AIR GAP DEVICE FOR DISHWASHER

- KEYNOTES:**
1. DISHWASHER DRAIN LINE
 2. AIR GAP DEVICE ABOVE RIM OF SINK
 3. AIR GAP DEVICE ENLARGED INSIDE VIEW.
 4. AIR GAP.
 5. GARBAGE DISPOSAL.



1
 P5.10
TYPICAL CLEANOUT

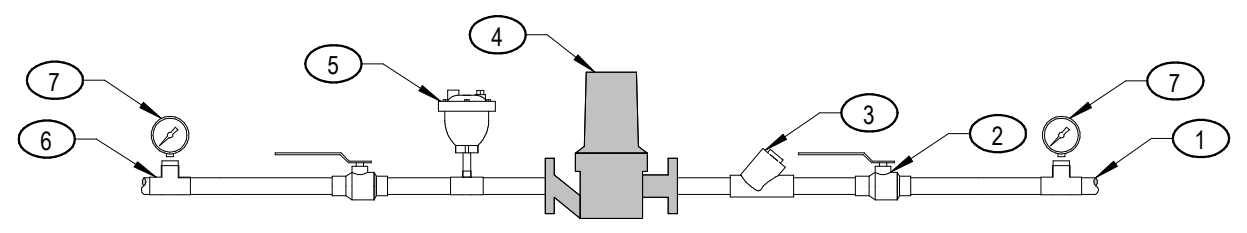
- KEYNOTES:**
1. CLEANOUT AND ACCESS COVER. TOP OF COVER TO BE FLUSH W/ TOP OF FLOOR
 2. FLOOR LINE
 3. BRASS CLEANOUT PLUG W/ COUNTER SUNK HEAD
 4. FINISH GRADE
 5. 16" SQUARE CONC. PAD TROWEL SMOOTH AND EDGE
 6. 1/8" C.I. BEND
 7. C.I. WASTE LINE. LENGTH TO SUIT
 8. WASTE LINE
 9. 1/8" BEND IF CLEANOUT OCCURS AT END OF LINE
 10. BALANCE OF PIPING SAME AS CLEANOUT TO GRADE
- NOTES:**
- A. CLEANOUT NOT TO BE LOCATED IN CARPETED AREA



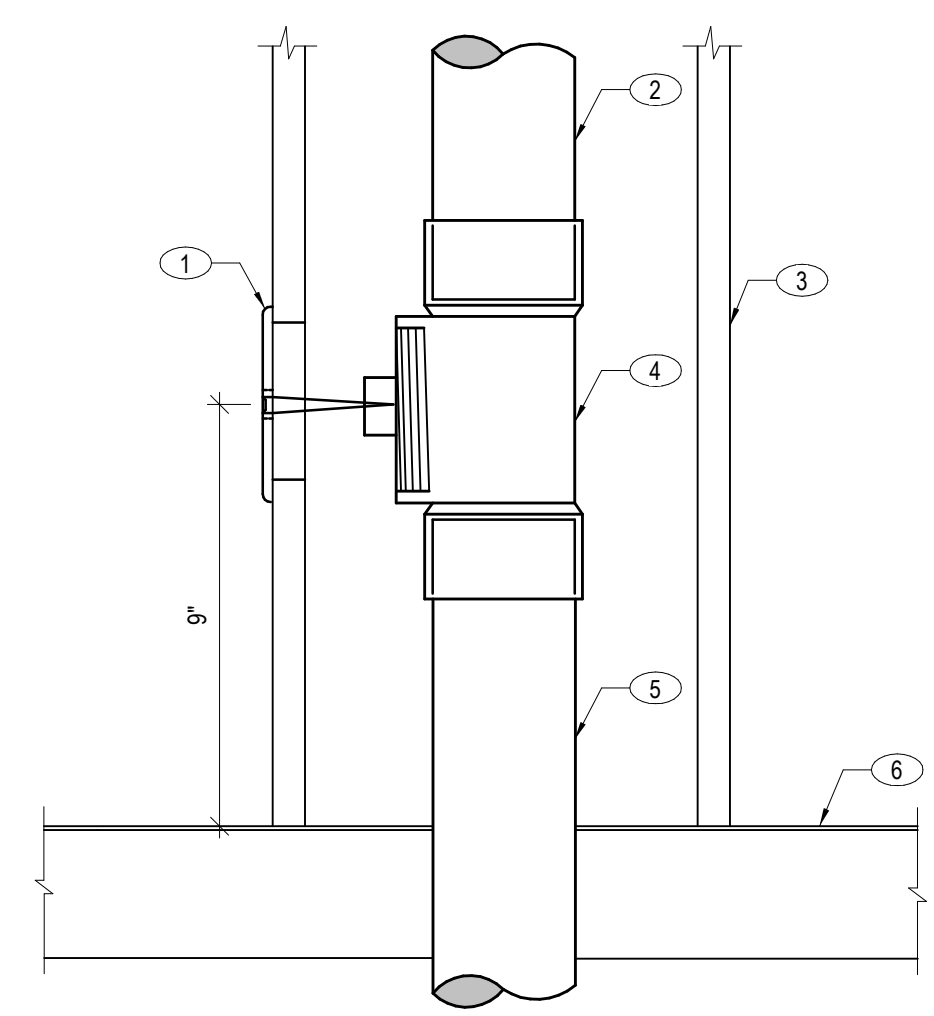
8
 P5.10
TYPICAL WATER HEATER

- KEYNOTES:**
1. DOMESTIC HOT WATER SUPPLY.
 2. BALL VALVE (TYP).
 3. UNION (TYP).
 4. WATER HEATER.
 5. DRAIN PAN.
 6. SEISMIC STRAP - SECURE TO WALL.
 7. PAT RELIEF VALVE - INDIRECT TO NEAREST FLOOR SINK/DRAIN.
 8. DOMESTIC COLD WATER SUPPLY.
 9. PROVIDE PIPING CONTINUATION TO ADDITIONAL WATER HEATERS AS REQUIRED PER WATER PIPING SCHEMATIC. INSTALL PIPING TO ADDITIONAL WATER HEATERS PER MANUFACTURER'S RECOMMENDATION. ARRANGE PIPING FOR EQUAL PRESSURE DROP TO EACH WATER HEATER IN A REVERSE RETURN CONFIGURATION FOR INLET AND OUTLET PIPING.
 10. EXPANSION TANK - HANG OR LOCATE ON FLOOR. ONLY ONE EXPANSION TANK IS REQUIRED PER HOT WATER HEATING SYSTEM.
 11. PROVIDE A 90 DEGREE ELBOW TO WATER HEATER IF A SINGLE WATER HEATER IS INSTALLED.
 12. FLOOR DRAIN.
- NOTES:**
- A. PROVIDE CONDENSATE DRAIN IF REQUIRED. ROUTE TO NEAREST FLOOR SINK.
 - B. PROVIDE THERMOWELL AT THE INLET AND OUTLET OF EACH CONNECTION TO EQUIPMENT.
 - C. PIPING CONNECTION LOCATIONS SHOWN ON THE DETAIL REPRESENT A TYPICAL WATER HEATER AND MAY NOT CONVEY THE ACTUAL CONNECTION LOCATIONS OF THE SPECIFIED EQUIPMENT. INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS.
 - D. PROVIDE HEAT TRAPS FOR EACH WATER HEATER PER ENERGY CODE REQUIREMENTS IF WATER HEATING SYSTEM IS NOT EQUIPPED WITH A HOT WATER RECIRCULATING SYSTEM.
 - E. PROVIDE A WATER TIGHT DRAIN PAN MADE OF CORROSION-RESISTANT MATERIAL BENEATH EACH WATER HEATER. PROVIDE A MINIMUM 3/4" DRAIN TO THE NEAREST FLOOR SINK/DRAIN.

5
 P5.10
TYPICAL HOT WATER RECIRCULATION PUMP

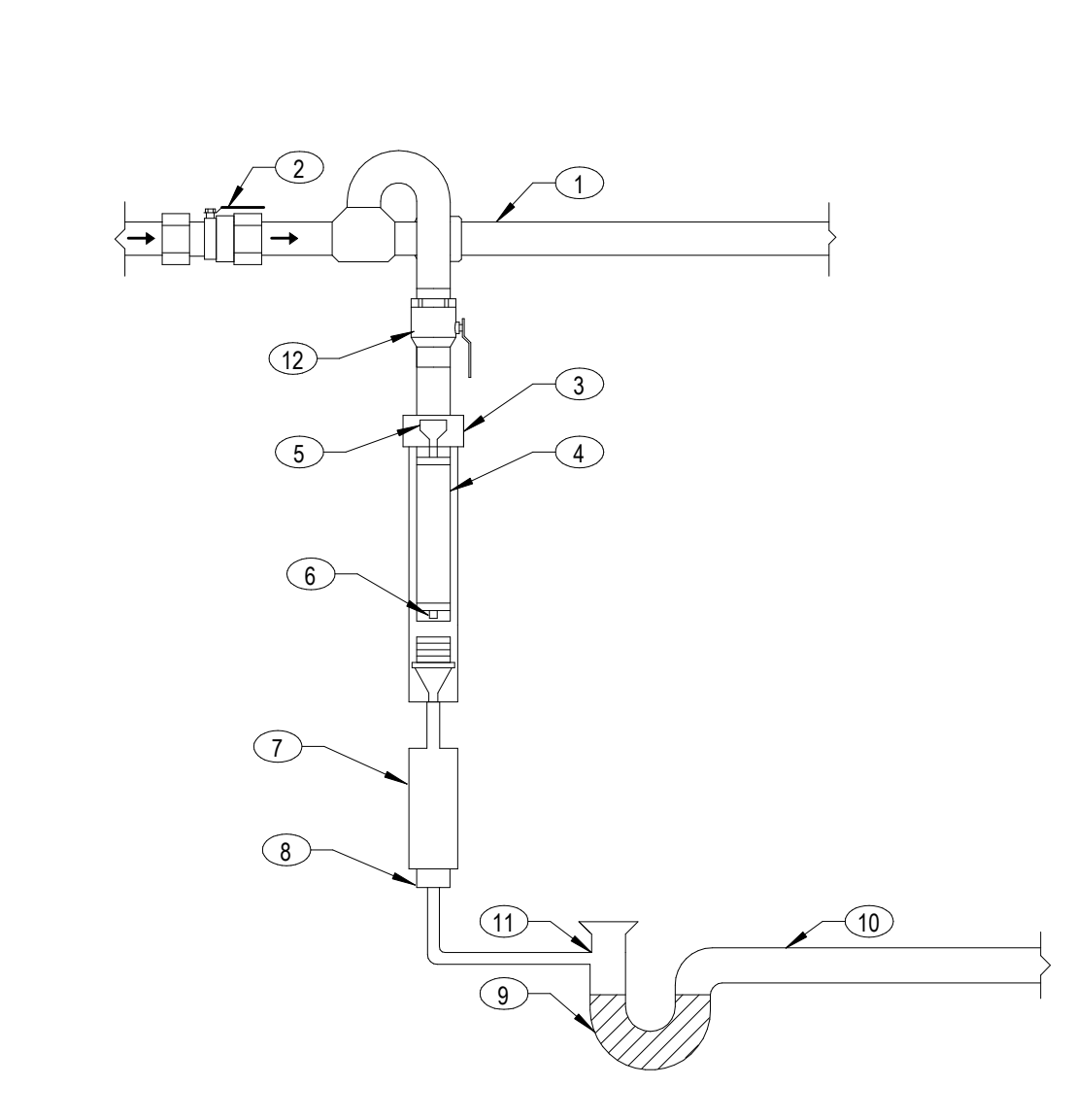


- KEYNOTES:**
1. PUMP DISCHARGE - TO WATER HEATER / MIXING VALVE.
 2. BALL VALVE (TYP).
 3. CHECK VALVE (TYP).
 4. CIRC PUMP WITH INTEGRAL TEMPERATURE SENSOR.
 5. AUTOMATIC AIR VENT (TYP).
 6. PUMP INLET.
 7. TEMPERATURE GAUGE.
- NOTES:**
- A. PUMP TO VARY FLOW TO MAINTAIN SETPOINT RETURN WATER TEMPERATURE.
 - B. PUMPS TO ALTERNATE OPERATION.



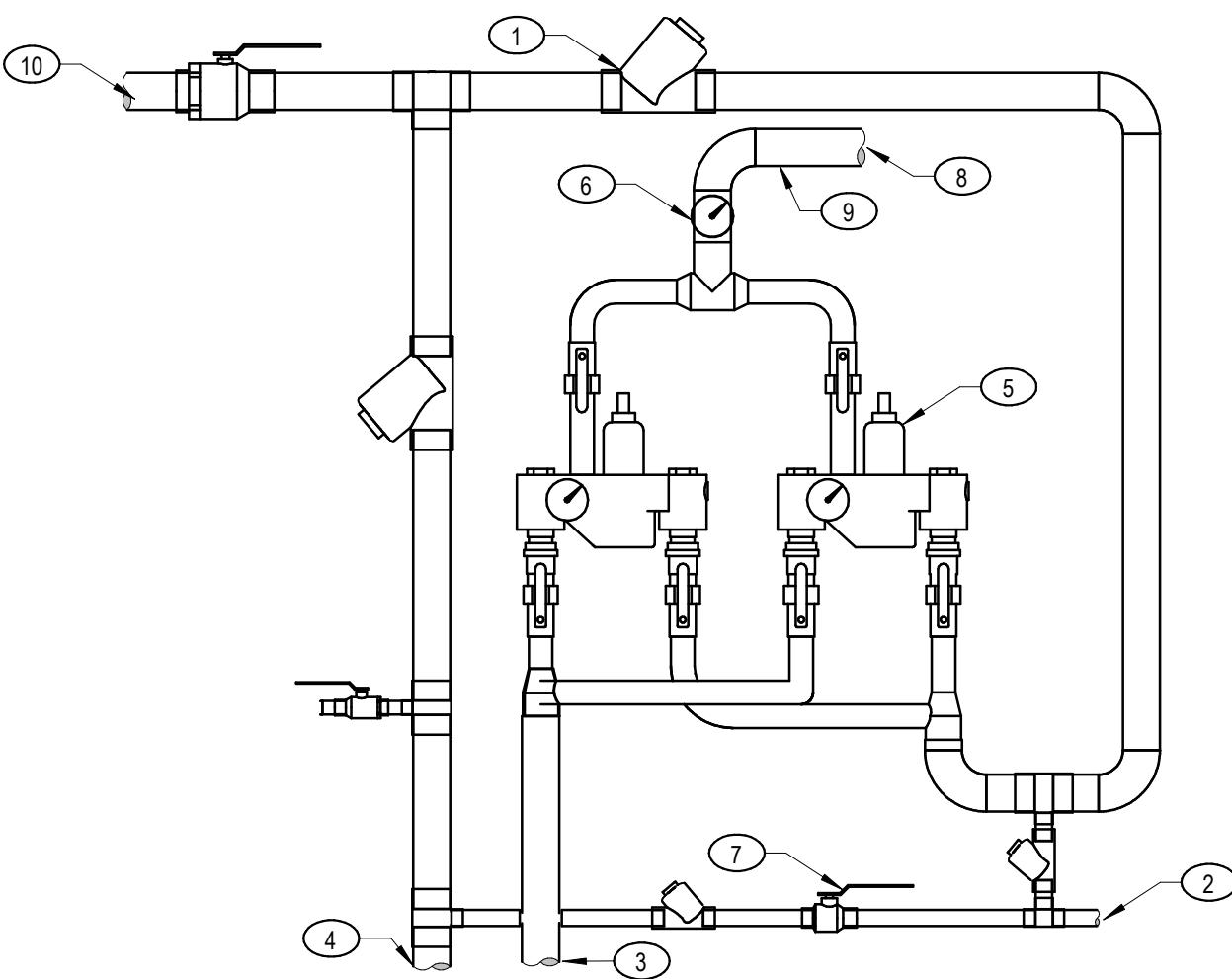
2
 P5.10
TYPICAL WALL CLEANOUT

- KEYNOTES:**
1. CHROME WALL COVER AND SCREW
 2. MAY EXTEND AS A WASTE OR VENT LINE
 3. WALL
 4. PLUGGED TEE
 5. WASTE OR VENT PIPING
 6. FLOOR LINE



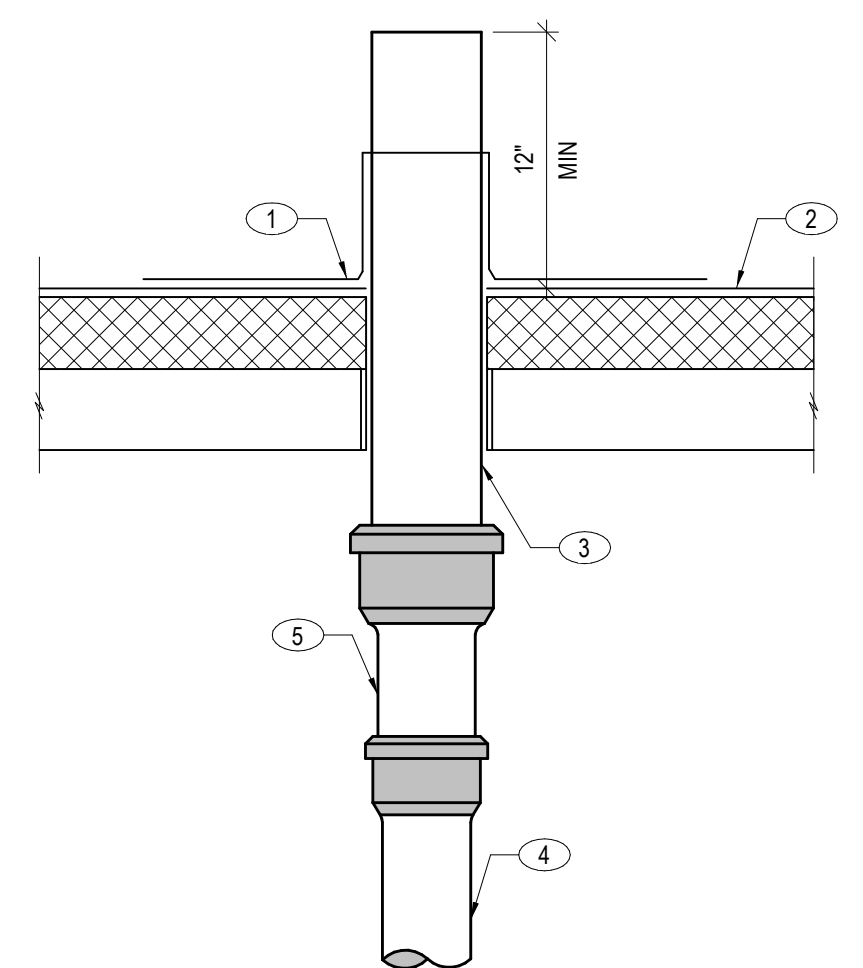
9
 P5.10
TYPICAL PRESSURE DROP ACTIVATED TRAP PRIMER

- KEYNOTES:**
1. AVOID DIRECT INSTALLATION TO PREVENT FOREIGN MATERIAL FROM ENTERING DIRECTLY INTO PRIMER.
 2. LINE SHUT OFF VALVE.
 3. UNION CONNECTION.
 4. TRAP PRIMER VALVE.
 5. FILTER SCREEN.
 6. FOUR VIEW HOLES.
 7. MI-GAP AIR GAP FITTING.
 8. TRAP PRIMER VALVE SHOULD BE MOUNTED ONE FOOT ABOVE THE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.
 9. WATER TRAP.
 10. SEWER GAS.
 11. FLOOR DRAIN/ SINK TRAP PRIMER CONNECTION.
 12. SHUTOFF VALVE.
- NOTES:**
- A. APPLIES TO ALL DRAINS/FLOOR SINKS UNLESS NOTED OTHERWISE.
 - B. DO NOT INSTALL THE TRAP SEAL PRIMERS CLOSER THAN 40' APART WHEN USING THE SAME POTABLE WATER SUPPLY LINE.
 - C. THE DEVICE SHOULD BE LOCATED WITHIN 20' OF THE VALVE OR FAUCET FOR OPTIMAL DISCHARGE.
 - D. INSTALL TRAP PRIMER IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL IF NECESSARY. COORDINATE ACCESS PANEL WITH GENERAL CONTRACTOR/ ARCHITECT.
 - E. CONNECT ONLY TO THE BRANCH PIPING OF FIXTURES THAT SEE FREQUENT USE.
 - F. TRAP PRIMERS SHOULD BE CYCLED AT LEAST SIX TIMES AFTER INSTALLATION TO ENSURE OPTIMUM PERFORMANCE.
 - G. USE ONLY TEFLON TAPE ON FITTINGS.



6
 P5.10
TYPICAL MIXING VALVE

- KEYNOTES:**
1. CHECK VALVE (TYP).
 2. DHWR.
 3. DHW FROM WATER HEATER(S).
 4. CDW TO WATER HEATER(S).
 5. MIXING VALVE (TYP).
 6. THERMOSTAT.
 7. BALANCING VALVE.
 8. TEMPERED DHW TO BUILDING.
 9. 124°F DHW.
 10. CDW SUPPLY.



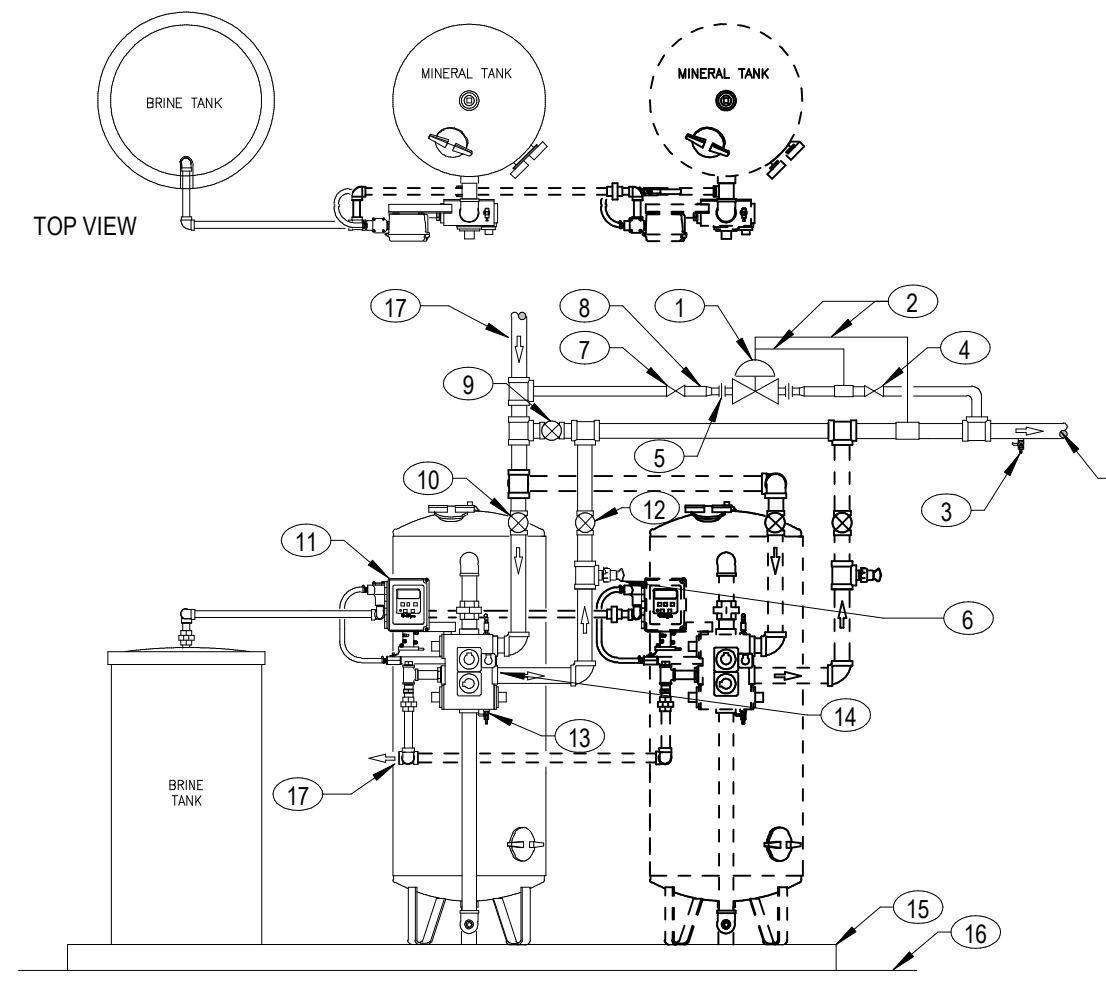
3
 P5.10
TYPICAL VENT THROUGH ROOF

- KEYNOTES:**
1. SINGLE PLY ROOF JACK FURNISHED AND INSTALLED BY ROOFING CONTRACTOR. SEAL WATERTIGHT TO VENT STACK
 2. ROOFING MATERIAL
 3. SLEEVE ROOF CONSTRUCTION AS REQUIRED
 4. VENT STACK
 5. INCREASER WHEN REQUIRED

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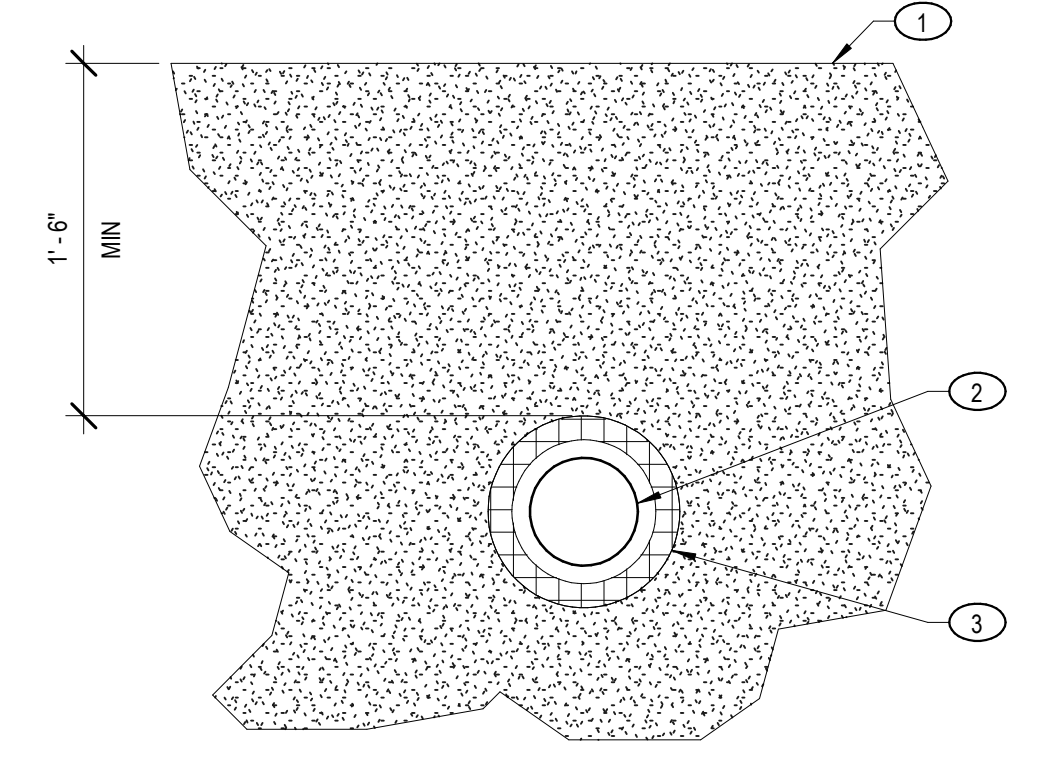
REVISIONS

NO.	DATE	DESCRIPTION



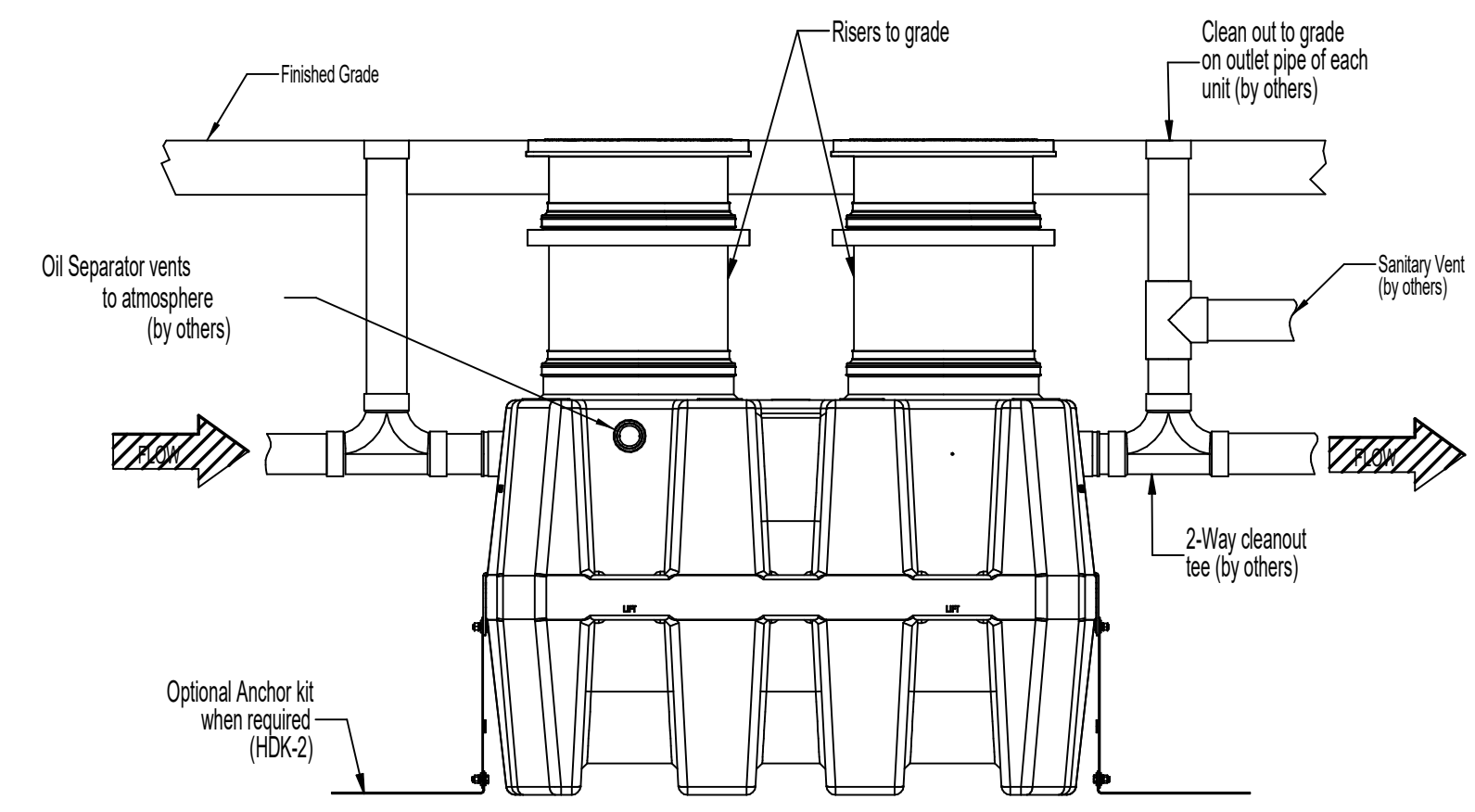
- KEYNOTES:**
1. BLENDING VALVE, CLA VAL NO. 20-01: RATIO OF HARD/SOFT WATER = 30% HARD WATER 70% SOFTENED WATER.
 2. SENSING LINES.
 3. SAMPLING COCK. WATER SOFTENING IN CONJUNCTION WITH BLENDING VALVE SHALL MAINTAIN HARDNESS OF 3 TO 5 GRAINS PER GALLON.
 4. THROTTLING GLOBE VALVE.
 5. UNION (TYP).
 6. FLOW METER (TYP).
 7. ISOLATION VALVE.
 8. HARD WATER LINE.
 9. MANUAL BYPASS VALVE. NORMALLY CLOSED.
 10. MANUAL INLET ISOLATION VALVE (TYP).
 11. MVP CONTROLLER (TYP).
 12. MANUAL OUTLET ISOLATION VALVE (TYP).
 13. SOFT WATER SAMPLE COCK (TYP).
 14. OUTLET (TYP).
 15. 4" THICK HOUSEKEEPING PAD.
 16. FLOOR SLAB.
 17. DCW INLET.
 18. SDCW OUTLET.
 19. DRAIN PIPING FULLSIZE TO INDIRECT AT NEAREST DRAIN/ FLOOR SINK.
- NOTES:**
- A. PIPING CONNECTION AND CONFIGURATION SHOWN ON THE DETAIL REPRESENT A TYPICAL SYSTEM (SINGLE OR MORE). INSTALL PER EQUIPMENT MANUFACTURERS INSTALLATION INSTRUCTIONS BASED ON QUANTITY FOR COMPLETE AND FUNCTIONAL OPERATION.
- B. REFER TO EQUIPMENT SCHEDULE FOR QTY OF SOFTENERS.

4 TYPICAL WATER SOFTENER
 P5.11



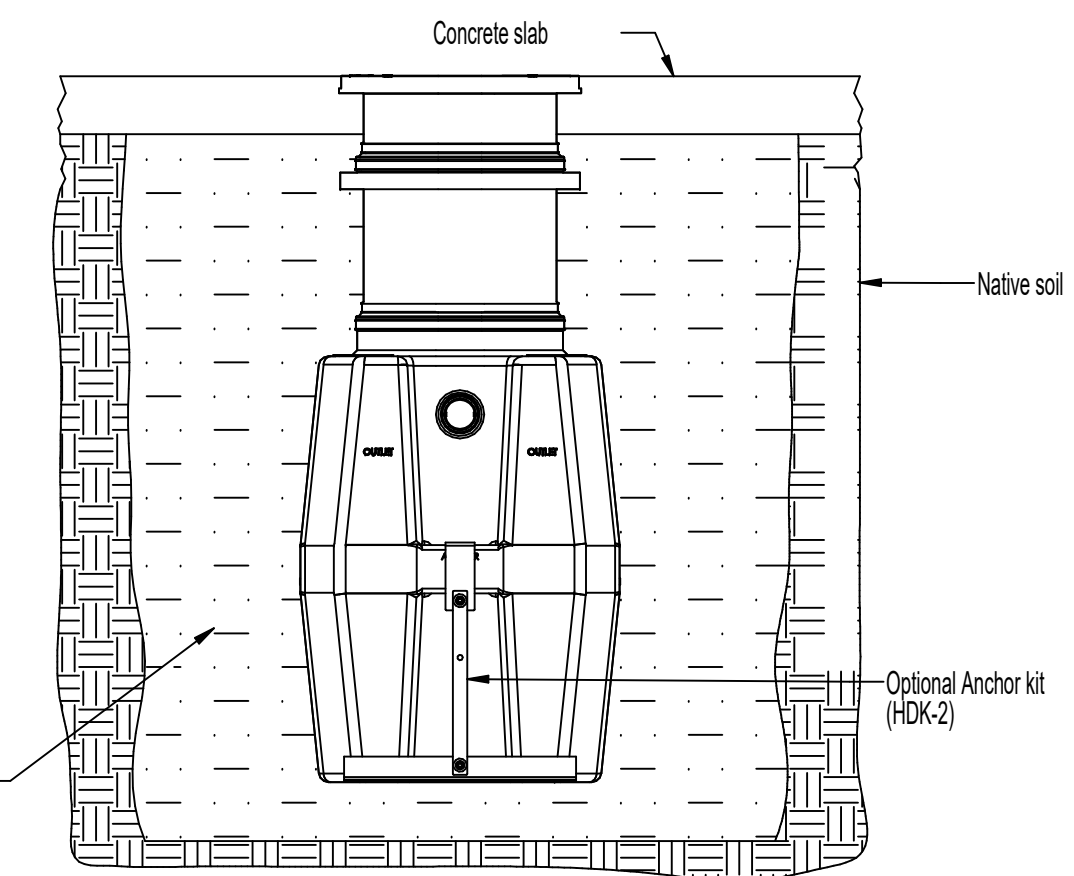
- KEYNOTES:**
1. GRADE.
 2. GAS PIPING.
 3. GALVANIZED STEEL PIPE SLEEVE.

1 TYPICAL GAS PIPING UNDERGROUND
 P5.11

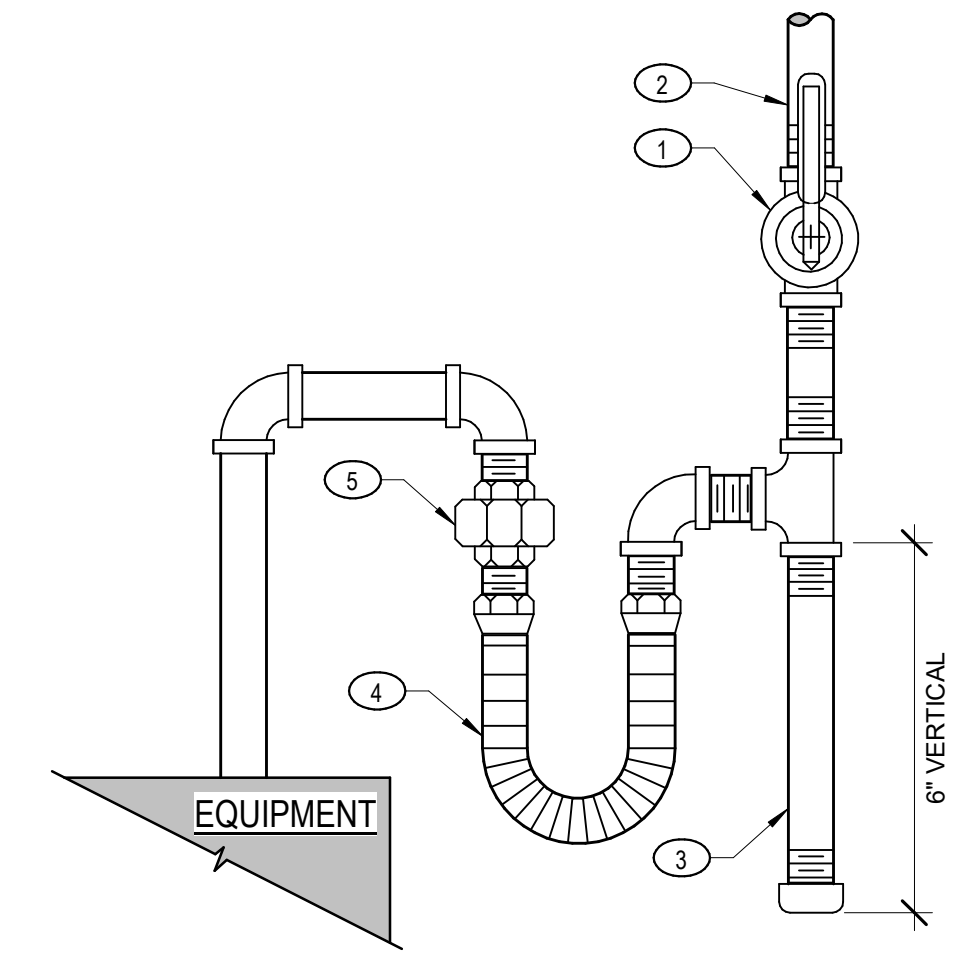


SIDE VIEW DETAIL

5 TYPICAL GREASE OR SAND/OIL INTERCEPTOR
 P5.11

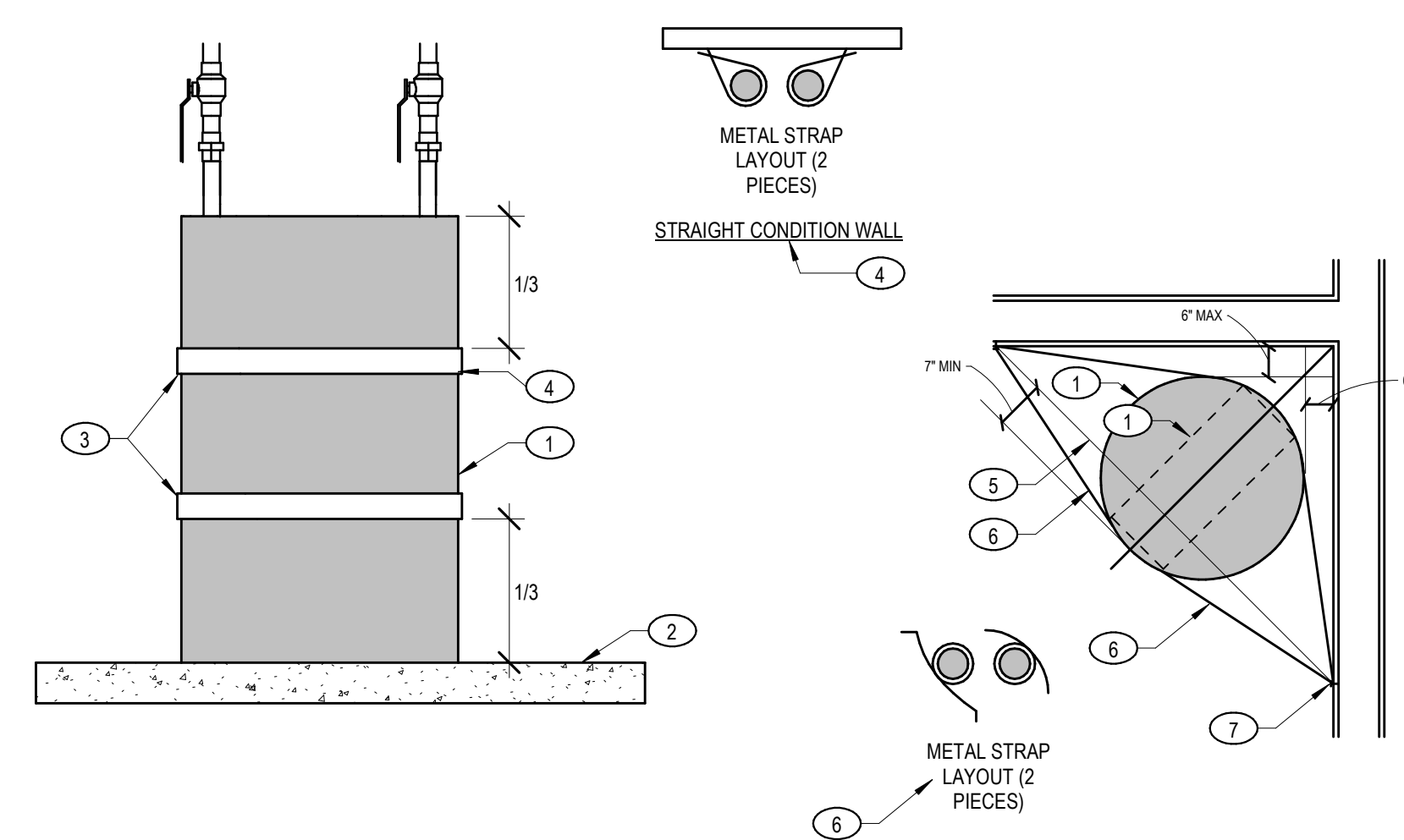


EXCAVATION AND BACKFILL DETAIL
 (INTERIOR OR EXTERIOR)



- KEYNOTES:**
1. MANUAL SHUTOFF VALVE.
 2. DROP FROM MAIN. SEE PLAN FOR SIZING.
 3. DRIP LEG SAME SIZE AS DROP.
 4. FLEXIBLE CSST. GASS CONNECTOR. 18" MAXIMUM.
 5. ROUND JOINT UNION.

2 TYPICAL GAS LINE CONNECTION
 P5.11



- KEYNOTES:**
1. WATER HEATER OR STORAGE TANK.
 2. MINIMUM 3" CONCRETE HOUSEKEEPING PAD.
 3. 2" WIDE 22 GA STEEL STRAP AROUND WATER HEATER. SECURE TO BLOCKING PER 4C/SS.02 WITH 3/8"Ø MIB (2 PER STRAP) (2 STRAPS PER WATER HEATER).
 4. STRAP EITHER HAS TO LOOP AROUND WATER HEATER 1.5 TIMES OR USE TWO STRAPS WITH THIS CONFIGURATION.
 5. LINE CONNECTING POINTS OF SUPPORT MUST PASS THROUGH TANK AS SHOWN.
 6. 3/4" X 22 GA METAL STRAP ENCIRCLING THE TANK FROM FRONT AND BACK.
 7. SECURE METAL STRAP BRACING TO WOOD STUD WITH 1/4" Ø X 3" LAG SCREW WITH FLAT WASHER.
- NOTES:**
- A. PROVIDE A WATER TIGHT DRAIN PAN MADE OF CORROSION-RESISTANT MATERIAL BENEATH EACH TANK. PROVIDE A MINIMUM 3/4" DRAIN TO THE NEAREST FLOOR SINK/ DRAIN.

3 TYPICAL WATER HEATER/STORAGE TANK STRAPPING/ANCHORING
 P5.11

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PROJECT #24_3008_C23

REVISIONS

NO.	DATE	DESCRIPTION

ELECTRIC WATER HEATER (EWH)

MARK	MANUFACTURER	MODEL NO.	STORAGE		MAX TEMP RISE (°F)	HEATING ELEMENT			UNIT DIMENSIONS (IN)		OPERATING WEIGHT (LB)		ELECTRICAL	
			RECOVERY (GAL/H)	VOL. (GAL)		QTY	KW	HEIGHT	DIAMETER	HEIGHT	DIAMETER	VOLT	PH	
EWH-A	A.O. SMITH	DEL-30	20	36	90	2	4.5	32	24	118	208	1		

NOTES:

- A.O. SMITH, BRADFORD WHITE, AND RHEEM ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.
- WATER HEATER TO HAVE 2 ELEMENTS WITH ONLY ONE RUNNING AT A TIME (NON-SIMULTANEOUS).

MIXING VALVE (MV)

MARK	MANUFACTURER	MODEL	FLOW GPM		INLET SIZE (IN)	OUTLET SIZE (IN)	UNIT DIMENSIONS (IN)		
			MIN FLOW	DESIGN FLOW			LENGTH	WIDTH	HEIGHT
MV-1	LEONARD	XL-20032-LF-BDT	1	12.0	1.5	1.5	18	6	35

NOTES:

- ARMSTRONG, ACORN, BRADLEY, LEONARD, LAWLER, AND WATTS ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.
- PROVIDE WITH HOUSING AND INTEGRAL THERMOSTATS.
- VALVE TO HAVE A MAX PRESSURE DROP OF 5 PSI AT THE SCHEDULED FLOW RATE.

CIRCULATING PUMP (CP)

MARK	DUTY	MANUFACTURER	MODEL NO.	PUMP		ELECTRICAL			UNIT WEIGHT
				FLOW (GPM)	HEAD (FT)	HP	VOLT	PH	
CP-1	DHWR	GRUNDFOS	MAGNA	6.0	15.0	0.17	120	1	50

NOTES:

- GRUNDFOS, TACO, AND BELL AND GOSSETT ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.
- PROVIDE WITH AQUASTAT KIT.
- PUMPS TO BE SUITABLE FOR POTABLE WATER.

MINIMUM PLUMBING PIPING INSULATION THICKNESS

SYSTEM TYPES	FLUID OPERATING TEMP RANGE AND USAGE (°F)	CONDUCTIVITY (BTU*IN/(H*FT**F))	MEAN RATING TEMP (°F)	≤ 1				1 1/4	1 1/2	2 ≤
				1	1 1/4	1 1/2	2	2 1/2	3	4
DHW (120°F, 140°F) DHWR (120°F, 140°F)	105 - 140	0.22 - 0.28	100	1.0	1.25	1.5	2			
DCW	40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0			
ROOF DRAINS	ALL	0.27	N/A	0.5	0.5	0.5	0.5			

NOTES:

- BASED ON THE CURRENTLY ADOPTED INTERNATIONAL ENERGY CONSERVATION CODE.
- PROVIDE ALUMINUM JACKETS ON ALL PIPING INSULATION LOCATED EXTERIOR OF THE BUILDING. PROVIDE PVC JACKET ON ALL EXPOSED PIPING INSULATION IN MECHANICAL ROOM.
- INSULATE ALL ROOF DRAIN PIPING WITH MINIMUM 1/2" INSULATION. INSULATE ALL ROOF DRAIN AND OVERFLOW DRAIN BOWLS WITH MINIMUM 1" INSULATION. INSULATION TO BE 0.27 BTU*IN/(H*FT**F).
- PROVIDE PROTECTIVE SHIELDING PIPE COVERS ON ALL PIPES EXPOSED AT ADA PLUMBING FIXTURES. PROTECTIVE SHIELDING PIPE COVERS TO COMPLY WITH ADA REQUIREMENTS.
- PROVIDE 1 1/2" MINERAL FIBER, TYPE I, PREFORMED PIPE INSULATION FOR INDOOR HEAT TRACED SANITARY WASTE PIPING. PROVIDE 2" CELLULAR GLASS PIPE INSULATION FOR OUTDOOR HEAT TRACED SANITARY WASTE PIPING.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS.

PLUMBING VALVE SCHEDULE

ACTION	NPS ≤ 2"	2" < NPS < 4"	NPS ≥ 4"
SHUT-OFF SERVICE	BALL VALVE LEAD FREE BRONZE VALVE TWO-PIECE FULL PORT BASIS OF DESIGN: APOLLO 77FLF FOR GAS: APOLLO 80-100	GATE VALVE LEAD FREE IRON VALVE FULL PORT BASIS OF DESIGN: APOLLO 610FLF	BUTTERFLY VALVE LEAD FREE IRON VALVE ALUMINUM BRONZE DISC BASIS OF DESIGN: APOLLO LC149
CHECK VALVE	SWING VALVE LEAD FREE BRONZE VALVE BASIS OF DESIGN: APOLLO 161TLF	LEAD FREE IRON VALVE LEVER & WIEGHT OR SPRING BASIS OF DESIGN: APOLLO 910FLW-LF	SWING VALVE LEAD FREE IRON VALVE LEVER & WIEGHT OR SPRING BASIS OF DESIGN: APOLLO 910FLW-LF

NOTES:

- PROVIDE SHUT-OFF VALVES & UNIONS AT INLETS & OUTLETS OF ALL EQUIPMENT FOR SERVICING PURPOSES.
- USE DIELECTRIC UNIONS FOR ALL DISSIMILAR METALS.
- USE CORRECT ADAPTERS AND COUPLINGS FOR THE SPECIFIED PIPING MATERIALS.
- ALL VALVES MUST BE COMPATIBLE WITH ANTICIPATED FLUID PRESSURES, FLUID TEMPERATURES, AND FLUID TYPES, INCLUDING GLYCOL CONCENTRATIONS AND POTABLE WATER REQUIREMENTS, ETC.
- ALL VALVES MUST MEET A MINIMUM PRESSURE RATING OF 125 PSI AT A TEMPERATURE OF 200 °F.
- BRONZE VALVES TO BE MADE WITH DEZINCIFICATION-RESISTANT MATERIALS.

PLUMBING PIPING MATERIAL SCHEDULE

LOCATION	PIPE TYPE
DOMESTIC WATER	
BELOW GRADE	ASTM B 88 TYPE K SOLDERED COPPER
ABOVE GRADE	ASTM B 88 TYPE L SOLDERED COPPER
WASTE	
BELOW GRADE	ASTM D 2965 PVC SCHEDULE 40, SOCKET FITTINGS DWV
ABOVE GRADE	ASTM A 888 CAST IRON, NO HUB SYSTEM
STORM DRAIN	
BELOW GRADE	ASTM D 2965 PVC SCHEDULE 40, SOCKET FITTINGS DWV
ABOVE GRADE	ASTM A 888 CAST IRON, NO HUB SYSTEM
VENT	
ALL	ASTM A 888 CAST IRON, NO HUB SYSTEM
GAS	
BELOW GRADE	ASTM D 2513 POLYETHYLENE SCHEDULE 40 STEEL TO COMPLY WITH EITHER ASME B36.10, ASTM A 53, OR ASTM A 106
ABOVE GRADE	ASTM D 2513 POLYETHYLENE SCHEDULE 40 STEEL TO COMPLY WITH EITHER ASME B36.10, ASTM A 53, OR ASTM A 106
CONDENSATE	
NON-RATED AIR PLENUM	ASTM D 2965 PVC SCHEDULE 40, SOCKET FITTINGS DWV

NOTES:

- REFER TO SPECIFICATIONS FOR ADDITIONAL PIPING REQUIREMENTS.
- PROVIDE DIELECTRIC FITTINGS FOR ALL DISSIMILAR METALS.

PLUMBING FIXTURES

PLUMBING FIXTURES PROVIDED TO SATISFY PLUMBING CODE REQUIREMENTS AND GENERAL CONFORMANCE WITH PROJECT. VERIFY ACCEPTANCE OF ALL FIXTURES WITH ARCHITECT AND OWNER PRIOR TO PURCHASE AND INSTALLATION. VERIFY ACCEPTANCE OF ALL FIXTURE COLORS, SIZES, LOCATIONS, AND FINISHES. VERIFY FIXTURE MOUNTING TYPE AND ALL OTHER INSTALLATION REQUIREMENTS.

MARK	DESCRIPTION	C.W.	H.W.	WASTE	VENT	ELECTRICAL	NOTES
EEW-1	WALL MOUNTED EYE / FACE WASH SINK, WITH STAINLESS STEEL BOWL, PROVIDE WITH MIXING VALVE (BRADLEY S19-2000)	1/2"	1/2"	1 1/2"	1 1/2"	-	BRADLEY S19-222B MIXING VALVE; BRADLEY S19-2000
EEW-A	WALL MOUNTED EYE / FACE WASH SINK, WITH STAINLESS STEEL BOWL, PROVIDE WITH MIXING VALVE (BRADLEY S19-2000)	1/2"	1/2"	1 1/2"	1 1/2"	-	BRADLEY S19-222B MIXING VALVE; BRADLEY S19-2000
EWC-1	INDOOR BI-LEVEL ELECTRIC WATER COOLER, ADA, W/ BOTTLE FILLING STATION, FILTERED, REFRIGERATED, FILTERED, 120V, 1PH	1/2"	-	1 1/2"	1 1/2"	120V	ELKAY LZ5TL8WSSP
FD-1	FLOOR DRAIN, TRAP PRIMER CONNECTION, VANDAL-PROOF SECURED TOP	-	-	2"	1 1/2"	-	ZURN Z415
FD-A	FLOOR DRAIN, TRAP PRIMER CONNECTION, VANDAL-PROOF SECURED TOP	-	-	4"	2"	-	ZURN Z415
FS-1	FLOOR SINK, ALUMINUM DOME STRAINER, VERIFY GRATE SIZE W/ FLOOR SINK APPLICATION	-	-	3"	2"	-	ZURN 1910
FS-A	FLOOR SINK, ALUMINUM DOME STRAINER, VERIFY GRATE SIZE W/ FLOOR SINK APPLICATION	-	-	3"	2"	-	ZURN 1910
HS-A	HAND SINK, SINGLE COMPARTMENT, WALL HUNG, W/ FAUCET, DRAIN ASSEMBLY	1/2"	1/2"	2"	1 1/2"	-	ELKAY EWS2520W4C MIXING VALVE; LEONARD 270-LF SET AT 110°F
L-1	LAVATORY, WALL MOUNTED LAVATORY, ADA, BATTERY-POWERED FAUCET, MIXING VALVE (ASSE 1070), DRAIN ASSEMBLY	1/2"	1/2"	1 1/2"	1 1/2"	-	BASIN: ZURN Z5360-PED FAUCET; ZURN Z5915-XL MIXING VALVE; LEONARD 270-LF SET AT 110°F
L-2	LAVATORY, WALL MOUNTED LAVATORY, ADA, BATTERY-POWERED FAUCET, W/ ELECTRONIC MANIFOLD LAVATORY VALVE, MIXING VALVE (ASSE 1070), DRAIN ASSEMBLY	1/2"	1/2"	1 1/2"	1 1/2"	BATTERY	BASIN: ZURN Z5360-PED FAUCET; I-CON COBALT ESSENTIAL 102664 ELECTRONIC MANIFOLD VALVE; I-CON ELEMENT MIXING VALVE; LEONARD 270-LF SET AT 110°F
L-A	LAVATORY, WALL MOUNTED LAVATORY, ADA, BATTERY-POWERED FAUCET, MIXING VALVE (ASSE 1070), DRAIN ASSEMBLY	1/2"	1/2"	1 1/2"	1 1/2"	-	BASIN: ZURN Z5360-PED FAUCET; ZURN Z5915-XL MIXING VALVE; LEONARD 270-LF SET AT 110°F
OS-A	OIL/SAND SEPARATOR	-	-	4"	3"	-	STRIEM OS-100
RD-1	12" DIAMETER ROOF DRAIN	-	-	SEE PLAN	-	-	ZURN Z121
RD-2	12" DIAMETER COMBINATION MAIN ROOF AND OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES AND DOUBLE TOP-SET DECK PLATE	-	-	SEE PLAN	-	-	ZURN Z164
RH-1	AUTO DRAIN ROOF HYDRANT, BACKFLOW PREVENTOR, ROOF FLUSH MOUNT, 3/4" HOSE CONNECTION	3/4"	-	-	-	-	WOORFORD SRH-MS
S-1	BREAKROOM SINK, ADA, SINGLE COMPARTMENT, W/ FAUCET, DRAIN ASSEMBLY, 1/2 HP GARBAGE DISPOSER W/ CORD AND PLUG.	1/2"	1/2"	2"	1 1/2"	120	BASIN: ELKAY ELUHAD281655 FAUCET; ELKAY LKGT4083 DRAIN; ELKAY LK99 GARBAGE DISPOSER; BADGER 5
S-2	SINK, ADA, SINGLE COMPARTMENT, W/ FAUCET, DRAIN ASSEMBLY	1/2"	1/2"	2"	1 1/2"	-	BASIN: ELKAY ELUHAD211555 FAUCET; ELKAY LKGT4083 DRAIN; ELKAY LK99
S-A	SINK, ADA, SINGLE COMPARTMENT, W/ FAUCET, DRAIN ASSEMBLY	1/2"	1/2"	2"	1 1/2"	-	BASIN: ELKAY ELUHAD211555 FAUCET; ELKAY LKGT4083 MIXING VALVE; LEONARD 270-LF SET AT 110°F
SC-1	SILCOCK, AUTO DRAIN, NON FREEZE WALL HYDRANT W/ INTEGRAL VACUUM BREAKER, CHROME PLATED BRASS, 3/4" HOSE CONNECTION, W/ LOOSE KEY, W/ BOX & DOOR	3/4"	-	-	-	-	WOODFORD B67
SC-A	SILCOCK, AUTO DRAIN, NON FREEZE WALL HYDRANT W/ INTEGRAL VACUUM BREAKER, CHROME PLATED BRASS, 3/4" HOSE CONNECTION, W/ LOOSE KEY, W/ BOX & DOOR	3/4"	-	-	-	-	WOODFORD B67
SH-1	ADA, ROLL-IN SHOWER, PRESSURE BALANCING MIXING VALVE, TEMPERATURE LIMIT STOPS, TUB SPOUT, SHOWER HEAD, HAND HELD SHOWER W/ SHOWER HEAD, DIVERTER VALVE, DRAIN ASSEMBLY	1/2"	1/2"	2"	1 1/2"	-	TRIM & VALVE: DELTA T14267-LHD (LESS SHOWER HEAD), R10000-UNWS SHOWER HEAD: DELTA RP48590 HAND HELD SHOWER: DELTA 55424 LINEAR DRAIN: ZURN Z5380
SS-1	SERVICE SINK, VACUUM BREAKER FAUCET, HOSE HOLDER, MOP HANGER, WALL GUARD	1/2"	1/2"	3"	2"	-	BASIN: EL MUSTEE & SONS 62M FAUCET; ZURN Z943M-RC
TD-A	TRENCH DRAIN, TRAFFIC RATED, PROVIDE P-TRAP AT TRENCH DRAIN OUTLET WITH TRAP PRIMER	-	-	4"	2"	-	ZURN Z896
U-1	URINAL W/ TOP SPUD, TOUCHLESS FLUSHOMETER	1"	-	2"	1 1/2"	BATTERY	BOWL: KOHLER K-4991 FLUSHOMETER; KOHLER K-10949
WB-1	ICE MAKER WALL BOX, GALVANIZED METAL	1/2"	-	-	-	-	OATEY 37684
WC-1	ADA WATER CLOSET, FLOOR MOUNTED, BATTERY POWERED FLUSH VALVE, W/ OPEN SEAT W/O COVER	1"	-	3"	2"	BATTERY	BOWL: KOHLER K-96057 FLUSH VALVE; AMERICAN STANDARD 6065.121.002
WC-2	ADA WATER CLOSET, FLOOR MOUNTED, CONCEALED SENSOR FLUSH VALVE, W/ OPEN SEAT W/O COVER	1"	-	3"	2"	BATTERY	BOWL: KOHLER K-96057 SENSOR FLUSH VALVE; I-CON COBALT PRO
WC-A	ADA WATER CLOSET, FLOOR MOUNTED, BATTERY POWERED FLUSH VALVE, W/ OPEN SEAT W/O COVER	1"	-	3"	2"	BATTERY	BOWL: KOHLER K-96057 FLUSH VALVE; AMERICAN STANDARD 6065.121.002

NOTES:

- VERIFY ACCEPTANCE OF ALL PLUMBING FIXTURES WITH ARCHITECT AND OWNER PRIOR TO PURCHASE AND INSTALLATION. ALL FIXTURES TO BE COMMERCIAL GRADE OR BETTER.
- REFER TO ARCHITECTURAL PLANS FOR FINAL LAVATORY AND SINK MOUNTING STYLES, SIZES, LOCATIONS, ADA REQUIREMENTS, AND NUMBER OF BOWLS.
- REFER TO ARCHITECTURAL PLANS FOR FINAL SHOWER HEAD LOCATIONS, TRIM LOCATIONS, ADA REQUIREMENTS, AND SHOWER ENCLOSURE TYPE (TILING OR INSERT).
- REFER TO ARCHITECTURAL PLANS FOR FINAL URINAL AND WATER CLOSET MOUNTING STYLES, LOCATIONS, FLUSH STYLE (MANUAL OR SENSOR), FLUSHING LEVER LOCATION, AND ADA REQUIREMENTS.
- THE FOLLOWING FLOOR SINK GRATES TO BE INSTALLED FOR THE APPROPRIATE APPLICATION: FULL GRATE: FLOOR SINK WITHOUT INDIRECT DRAIN PIPE. 3/4 GRATE: FLOOR SINK WITH ONE INDIRECT DRAIN PIPE. 1/2 GRATE: FLOOR SINK WITH MULTIPLE INDIRECT DRAIN PIPES, NO GRATE: FLOOR SINK WITH MORE THAN (5) INDIRECT DRAIN PIPES.

WATER SOFTENER (WS)

MARK	MANUFACTURER	MODEL NO.	CONTINUOUS		# OF MINERAL TANKS	INLET HARDNESS (GRAINS/GALLON)	MAX OUTLET HARDNESS (GRAINS/GAL)	VALVE SIZE (IN)	ELECTRICAL			SOFTENER		BRINE TANK		UNIT WEIGHT (LBS)
			FLOW (GPM)	PD (PSI)					MCA	VOLT	PHASE	DIA (IN)	HEIGHT (IN)	DIA (IN)	HEIGHT (IN)	
WS-1	WATER TECH	SM	63.0	15.0	1	14.0	3	2	5.0	120	1	30	72	30	48	1000
WS-A	WATER TECH	SM	46.0	15.0	1	14.0	3	2	5.0	120	1	30	72	30	48	1000

NOTES:

- CULLIGAN, WATER TECH, AQUION, COLUMBIA WATER CONDITIONING, AND EVOQUA ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.

EXPANSION TANK (ET)

MARK	MANUFACTURER	MODEL NO.	SYSTEM	VOL (GAL)	ACCEPTANCE VOL (GAL)	PRECHARGE PRESS (PSI)	WATER TEMP °F	UNIT DIMENSIONS (IN)		OPERATING WEIGHT (LB)
ET-1	WATTS	DETA-20	DHW	8.0	5.3	40	140	DIA	HEIGHT	
ET-A	WATTS	DETA-12	DHW	5.0	3.3	40	120	12	14	50

NOTES:

- AMFROL, WATTS, AND TACO ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.
- TO BE SUITABLE FOR POTABLE WATER.

GAS-FIRED WATER HEATER (WH)

MARK	MANUFACTURER	MODEL NO.	INPUT (BTU/H)	CAP (BTU/H)	EFF	FUEL TYPE	FLUE DIA (IN)	RECOVERY (GAL/H)	VOL (GAL)	MAX TEMP RISE (°F)	MIN GAS PRESSURE (IN W.C.)	UNIT DIMENSIONS (IN)	OPERATING WEIGHT (LBS)	
WH-1	AO SMITH	BTH-120	199,000	189,050	95.0	NG	4	138	60	80	3.5	56	28	480

NOTES:

- RHEEM, AO SMITH, BOCK, BRADFORD WHITE, AND LOCHINVAR ARE APPROVED MANUFACTURERS. REFER TO MANUFACTURER AND MODEL FOR BASIS OF DESIGN.
- PROVIDE WITH CONDENSATE NEUTRALIZATION KIT.
- PROVIDE WITH ELECTRICAL SERVICE OF 120 V, 1 PH, 5 AMPS.

FIXTURE FLOW RATE

FIXTURE	MAX FLOW RATE
SINKS	2.2 GPM
LAVATORIES	2.2 GPM
SHOWERS	2.5 GPM
WATER CLOSET	1.6 GAL/FLUSH

NOTES:

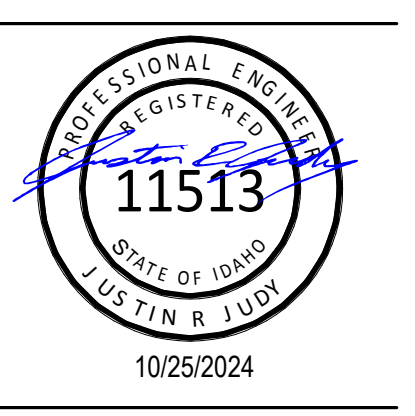
- FIXTURES EXCLUDED: CLINICAL SINKS, LAUNDRY TRAYS, AND SERVICE SINKS.
- VERIFY MAXIMUM FIXTURE FLOW RATES WITH LOCAL JURISDICTION AMENDMENTS/REQUIREMENTS.
- SHOWERS WITH MORE THAN ONE SHOWERHEAD TO HAVE A MAX 2.2 GPM COMBINED FLOW RATE OR DESIGNED TO ONLY ALLOW OPERATION OF ONE SHOWERHEAD AT A TIME.

ALL EQUIPMENT SELECTED AT SITE ELEVATION (4700') UNLESS NOTED OTHERWISE

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTIE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT TITLE:
 PLUMBING SCHEDULES

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 AUGUST 2024
 DRAWN BY:
 Author
 CHECKED BY:
 Checker

DRAWING NO.:

P6.10



This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.
 These Documents are approved in accordance with the mark-ups and notes applied.
 Division of Building Safety
 State of Idaho
 Approved

ROLLING ASSET BUILDING WATER AND WASTE SERVICE CALCULATIONS									
JOB NAME: PROJECT IDAHO STATE POLICE D6 HQ REVISIONS								DATE: 10/16/24	
FIXTURE TYPE	OCCUPANCY	NO.	WASTE		COLD WATER		HOT WATER		TOTAL WATER
			DFU	TOTAL	WSFU	TOTAL	WSFU	TOTAL	WSFU
LAVATORY	PUBLIC/PRIVATE	1	1	1	0.75	0.75	0.75	0.75	1
KITCHEN SINK, DOMESTIC	PUBLIC/PRIVATE	2	2	4	1.125	2.25	1.125	2.25	3
WATER CLOSET, FLUSH VALVE	PRIVATE	1	3	3	5	5	0	0	5
HOSE BIBB 1ST	PUBLIC/PRIVATE	1	0	0	2.5	2.5	0	0	2.5
HOSE BIBB ADDITIONAL	PUBLIC/PRIVATE	3	0	0	1	3	0	0	3
FLOOR DRAIN	PUBLIC/PRIVATE	2	2	4	0	0	0	0	0
FLOOR SINK, 3" DRAIN	PUBLIC/PRIVATE	1	6	6	0	0	0	0	0
TRENCH DRAIN, 4" DRAIN	PUBLIC/PRIVATE	2	8	16	1	2	1	2	2
FUTURE FIXTURE(S)	PUBLIC/PRIVATE	20	1	20	1.125	22.5	0	0	22.5
FUTURE FIXTURE(S)	PUBLIC/PRIVATE	27	6	162					
% FLUSH VALVE	100%	TOTAL	60	216.000		38.000		5.000	39.000
EQUIVALENT WATER FLOW RATE (GPM):			DCW (GPM)	46.4	DHW (GPM)	6	OVERALL		RUNNING PRESSURE
PRESSURE AVAILABLE AT MAIN (PSI):							70		70
METER LOSS (PSI):									3
BACKFLOW PREVENTER LOSS (PSI):									5
MAIN TO BUILDING LOSSES (PSI):									14
			DCW		RUNNING PRESSURE	DHW			RUNNING PRESSURE
EQUIPMENT LOSSES - WATER SOFTENER (PSI):				15		33		15	33
ADDITIONAL LOSSES - XXX (PSI):									33
ELEVATION RISE (FT):				12		28		12	28
MINIMUM REQUIRED FIXTURE PRESSURE (PSI):				25		3		25	3
EQUIVALENT PIPE LENGTH TO MOST REMOTE FIXTURE (FT):				55		-		55	-
MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):				5.1		-		5.1	-
MINIMUM REQUIRED WATER MAIN PIPE SIZE (INCHES):			MATERIAL	TYPE L COPPER				2"	
MINIMUM REQUIRED WASTE MAIN PIPE SIZE (INCHES):			SLOPE	1/4"/FT	MATERIAL	PVC		4"	

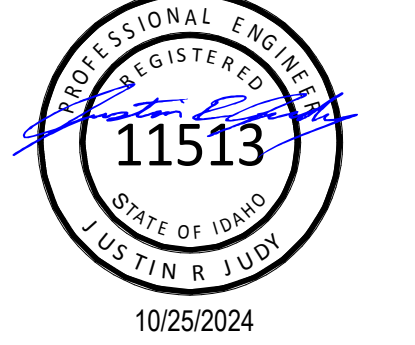
ROLLING ASSET BUILDING WATER PIPE SIZING CHART											
PIPE SIZES CALCULATED BASED ON UPC											
SIZE: TYPE L COPPER		DCW MAX FLOW		CWFU		DHW MAX FLOW		HWFU		DHW MAX FLOW	
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FPS	FLUSH TANK	FLUSH VALVE	GPM	FPS	HOT WATER	GPM	FPS	FLOW LOSS (PSI/100 FT)
1/2"	0.545	2.5	3.5	2	0	2.5	3.5	2	2.2	3	3.9
3/4"	0.785	6.5	4.3	6	0	6.5	4.3	6	4.5	3	2.6
1"	1.025	13.2	5.1	18	5	12.9	5.0	18	7.7	3	1.9
1-1/4"	1.265	22.9	5.9	35	8	19.6	5.0	29	11.8	3	1.5
1-1/2"	1.505	36.2	6.5	74	22	27.7	5.0	46	16.6	3	1.2
2"	1.985	74.9	7.8	249	127	48.2	5.0	120	28.9	3	0.9

MAIN BUILDING WATER AND WASTE SERVICE CALCULATIONS									
JOB NAME: PROJECT IDAHO STATE POLICE D6 HQ REVISIONS								DATE: 09/05/24	
FIXTURE TYPE	OCCUPANCY	NO.	WASTE		COLD WATER		HOT WATER		TOTAL WATER
			DFU	TOTAL	WSFU	TOTAL	WSFU	TOTAL	WSFU
DRINKING FOUNTAIN	PUBLIC/PRIVATE	3	0.5	1.5	0.5	1.5	0	0	1.5
SINGLE SHOWER HEAD	PUBLIC/PRIVATE	3	2	6	1.5	4.5	1.5	4.5	6
LAVATORY	PUBLIC/PRIVATE	11	1	11	0.75	8.25	0.75	8.25	11
KITCHEN SINK, DOMESTIC	PUBLIC/PRIVATE	3	2	6	1.125	3.375	1.125	3.375	4.5
SERVICE SINK OR MOP BASIN	PUBLIC/PRIVATE	1	3	3	1.125	1.125	1.125	1.125	1.5
URINAL	PRIVATE	2	2	4	3	6	0	0	6
URINAL	PUBLIC	1	2	2	4	4	0	0	4
WATER CLOSET, FLUSH VALVE	PRIVATE	11	3	33	5	55	0	0	55
HOSE BIBB 1ST	PUBLIC/PRIVATE	1	0	0	2.5	2.5	0	0	2.5
HOSE BIBB ADDITIONAL	PUBLIC/PRIVATE	10	0	0	1	10	0	0	10
FLOOR DRAIN	PUBLIC/PRIVATE	14	2	28	0	0	0	0	0
FLOOR SINK, 3" DRAIN	PUBLIC/PRIVATE	2	6	12	0	0	0	0	0
% FLUSH VALVE	100%	TOTAL	62	106.500		96.250		17.250	102.000
EQUIVALENT WATER FLOW RATE (GPM):			DCW (GPM)	68.5	DHW (GPM)	12.2	OVERALL		RUNNING PRESSURE
PRESSURE AVAILABLE AT METER (PSI):									70
METER LOSS (PSI):									3
BACKFLOW PREVENTER LOSS (PSI):									5
MAIN TO BUILDING LOSSES (PSI):									3
			DCW		RUNNING PRESSURE	DHW			RUNNING PRESSURE
EQUIPMENT LOSSES - WATER SOFTENER (PSI):				15		44		15	44
ELEVATION RISE (FT):				10		40		10	35
MINIMUM REQUIRED FIXTURE PRESSURE (PSI):				25		15		25	10
EQUIVALENT PIPE LENGTH TO MOST REMOTE FIXTURE (FT):				460		-		460	-
MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):				3.2		-		2.1	-
MINIMUM REQUIRED WATER MAIN PIPE SIZE (INCHES):			MATERIAL	TYPE L COPPER				2-1/2"	
MINIMUM REQUIRED WASTE MAIN PIPE SIZE (INCHES):			SLOPE	1/4"/FT	MATERIAL	PVC		4"	

MAIN BUILDING WATER PIPE SIZING CHART											
PIPE SIZES CALCULATED BASED ON UPC											
SIZE: TYPE L COPPER		DCW MAX FLOW		CWFU		DHW MAX FLOW		HWFU		DHW MAX FLOW	
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FPS	FLUSH TANK	FLUSH VALVE	GPM	FPS	HOT WATER	GPM	FPS	FLOW LOSS (PSI/100 FT)
1/2"	0.545	1.9	2.7	3	0	1.6	2.1	2	2.2	3	3.9
3/4"	0.785	5.1	3.4	4	0	4.1	2.7	4	4.5	3	2.6
1"	1.025	10.2	4.0	13	5	8.2	3.2	10	7.7	3	1.9
1-1/4"	1.265	17.8	4.5	26	6	14.2	3.6	20	11.8	3	1.5
1-1/2"	1.505	28.1	5.1	47	11	22.4	4.0	34	16.6	3	1.2
2"	1.985	58.2	6.0	165	67	46.4	4.8	112	28.9	3	0.9
2-1/2"	2.465	102.7	6.9	388	258	74.4	5.0	246	44.6	3	0.7

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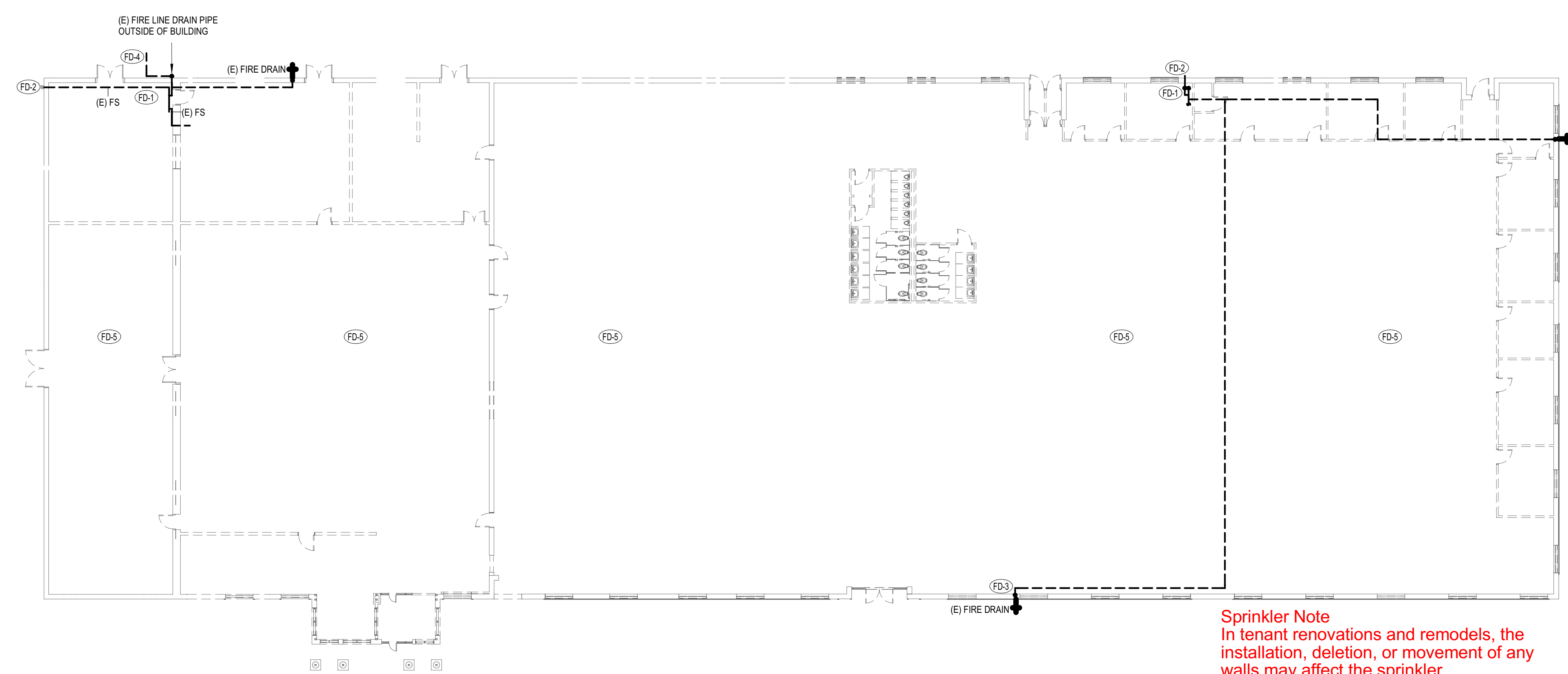
REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 PLUMBING SCHEDULES

PROJECT: _____

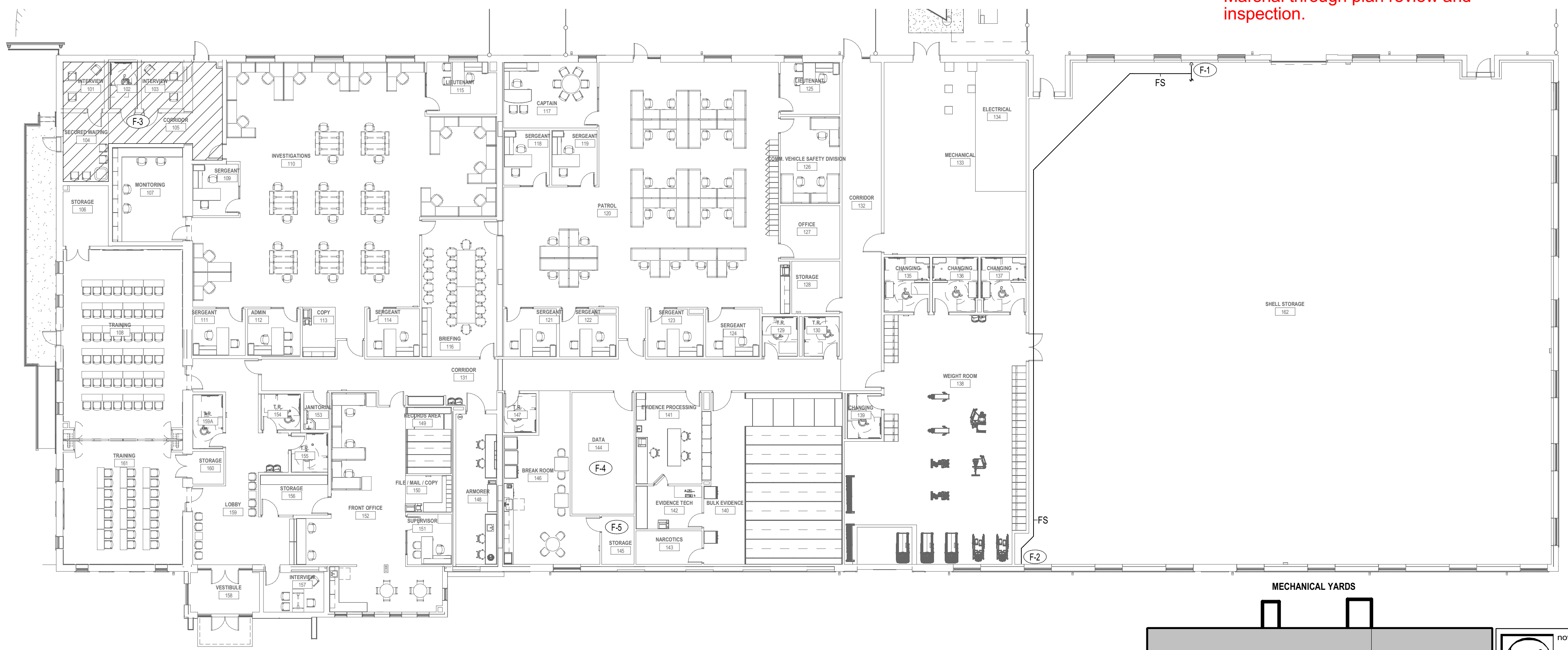
REVISIONS

PROJECT NO. 21034
 DATE: AUGUST 2024
 DRAWN BY: Author
 CHECKED BY: Checker

DRAWING NO.: **P6.11**



FIRE SPRINKLER DEMOLITION FLOOR PLAN - MAIN BUILDING
 SCALE: 1/16" = 1'-0"



FIRE SPRINKLER FLOOR PLAN - MAIN BUILDING
 SCALE: 1/16" = 1'-0"

Sprinkler Note
 In tenant renovations and remodels, the installation, deletion, or movement of any walls may affect the sprinkler performance. A sprinkler evaluation by a licensed sprinkler contractor should be made to ensure that any modification to the sprinkler system is warranted. Any alteration deletions or additions to the system shall be by a licensed sprinkler contractor and be approved by the Fire Marshal through plan review and inspection.

PLAN NOTES

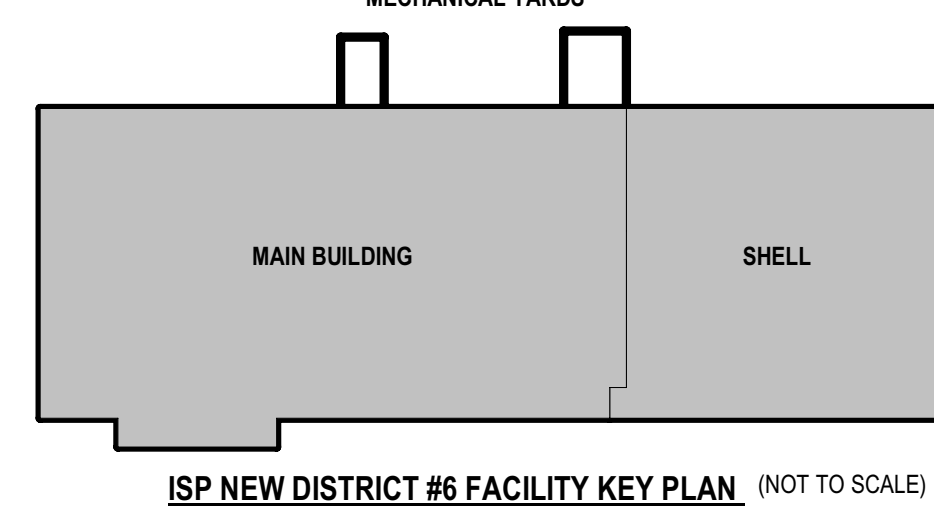
- A. THE ENTIRE EXISTING BUILDING IS FULLY SPRINKLERED. THE FIRE SPRINKLER CONTRACTOR TO REMOVE THE EXISTING FIRE SPRINKLER SYSTEM IN ITS ENTIRETY INCLUDING ALL PIPING, SPRINKLER HEADS, RISERS, SENSORS, FDC, ETC. THE NEW FIRE SPRINKLER SYSTEM WILL NOT INCORPORATE ANY PORTION OF THE EXISTING SYSTEM. THE FIRE SPRINKLER SYSTEM WILL BE DESIGNED AND INSTALLED BY A LICENSED DESIGN-BUILD FIRE SPRINKLER CONTRACTOR. THE BUILDING WILL BE FULLY SPRINKLERED AND THE SYSTEM WILL BE HYDRAULICALLY CALCULATED. REFER TO ALL ARCHITECTURAL FLOOR PLANS, ELEVATIONS, SECTIONS, ETC TO DETERMINE PIPING ROUTING CONSTRAINTS, WALL AND CEILING RATINGS, AND TO DETERMINE CORRECT OCCUPANCY CLASSIFICATIONS.
- B. INSTALL ALL FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH THE ADOPTED VERSION OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL MECHANICAL CODE, IDAHO ENERGY CONSERVATION CODE, IDAHO PLUMBING CODE, NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS, AND ALL OTHER LOCAL CODES AND ADOPTED ORDINANCES.
- C. THE ENTIRE BUILDING WILL BE FULLY SPRINKLERED AND WILL ADHERE TO THE FOLLOWING DESIGN PARAMETERS:
 1. CEILING MOUNTED SPRINKLER HEADS WILL BE WHITE, CONCEALED PENDENT (WITH COVER PLATE), QUICK RESPONSE, STANDARD COVERAGE HEADS.
 2. SPRINKLERS LOCATED IN SPACES WITHOUT CEILINGS WILL BE UPRIGHT SPRINKLERS WITH BRASS FINISH.
 3. ALL THREADED PIPING FOR WET SYSTEMS WILL BE SCHEDULE 40 BLACK STEEL AND ALL GROOVED PIPE WILL BE SCHEDULE 10 BLACK STEEL.
- D. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE DETECTION AND ACTIVATION OF THE SYSTEM TO BE COMPATIBLE WITH THE VALVES AND EQUIPMENT FOR THE FIRE PROTECTION SYSTEM.
- E. CLOSELY COORDINATE ALL FIRE PROTECTION WITH ELECTRICAL, MECHANICAL, PLUMBING ARCHITECTURAL, AND STRUCTURAL. COORDINATE FIRE LINE STUB REQUIREMENTS IN FIRE RISER ROOM WITH GENERAL CONTRACTOR/FIRE PROTECTION CONTRACTOR. PIPING IS APPROXIMATE AND DIAGRAMMATIC AND IS NOT TO BE SCALED. PROVIDE ALTERNATE ROUTING, OFFSETS, AND TRANSITIONS AS REQUIRED FOR COORDINATION OF ALL WORK WITHOUT ADDITIONAL COST TO THE OWNER.
- F. FIELD VERIFY ALL FIRE PROTECTION PIPE ROUTING PRIOR TO COMMENCING NEW WORK. DO NOT FABRICATE OR INSTALL ANY PIPING/EQUIPMENT BEFORE VERIFYING DIMENSIONS AND ROUTING WITH BUILDING CONDITIONS AND ALL OTHER TRADES.
- G. IF DISCREPANCIES EXIST BETWEEN BUILDING CODES, DRAWINGS, NOTES, AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT WILL BE REQUIRED UNLESS CLARIFIED BY PROJECT ENGINEER IN AN OFFICIAL ADDENDUM OR SUPPLEMENTAL INSTRUCTION.
- H. COORDINATE ALL ELECTRICAL AND CONTROL REQUIREMENTS WITH ELECTRICIAN.
- I. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO CONDUCT A FIRE FLOW TEST FOR THIS SITE. SYSTEM DESIGN TO BE IN ACCORDANCE WITH THE FIRE FLOW TEST RESULTS.
- J. ALL PIPING MAINS ARE TO BE ROUTED WITHIN JOISTS TO ACCOMMODATE ROOM BELOW JOISTS FOR DUCTING. COORDINATE LAYOUTS WITH ALL TRADES.

KEYNOTES

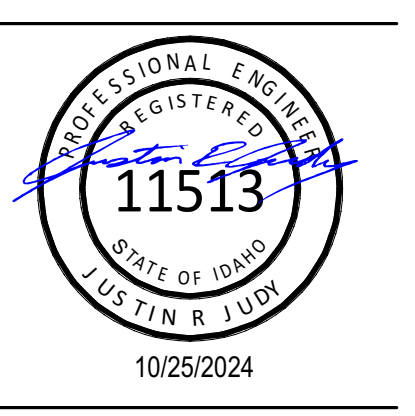
- F-1 REFER TO CIVIL FOR CONTINUATION OF FIRE SPRINKLER PIPING. COORDINATE FINAL RISER LOCATION WITH GENERAL CONTRACTOR/ARCHITECT. COORDINATE FIRE LINE SIZE AND RISER REQUIREMENTS WITH GENERAL CONTRACTOR.
- F-2 PROVIDE FIRE DEPARTMENT CONNECTION. FDC LOCATION IS TO BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION. FDC TO BE PROVIDED WITH CHECK VALVE.
- F-3 PROVIDE INSTITUTIONAL PENDENT SPRINKLERS IN INDICATED AREA.
- F-4 PROVIDE A DOUBLE INTERLOCKED ELECTRIC PNEUMATIC PRE-ACTION SYSTEM FOR DATA ROOM. PRE-ACTION VALVE TO BE DOUBLE INTERLOCKED VICTUALOCK FIRELOCK NXT SERIES 789N WITH A SERIES 767 ELECTRIC PNEUMATIC ACTUATOR OR EQUAL. PROVIDE AN APPROVED CONTROL PANEL FOR PROPER SYSTEM OPERATION. PRE-ACTION VALVE TO BE LOCATED IN A CABINET IN THE DATA ROOM. COORDINATE CABINET AND VALVE SIZE WITH GENERAL CONTRACTOR/ARCHITECT.
- F-5 PROVIDE A UL LISTED COMPRESSOR FOR DOUBLE INTERLOCKED ELECTRIC/PNEUMATIC PRE-ACTION SYSTEM. CONTRACTOR TO SIZE THE COMPRESSOR BY THE INTERNAL VOLUME OF THE SYSTEM. COMPRESSOR IS TO BE UL LISTED. PROVIDE A C-AIRE HD SERIES COMPRESSOR OR EQUAL.
- FD-1 REMOVE (E) FIRE LINE PIPING COMPLETELY. CAP PIPING AT GRADE WITH WATER TIGHT CAP. PIPING BELOW FINISHED FLOOR TO BE ABANDONED IN PLACE. FILL ALL EXTERIOR WALL HOLES WITH PATCH. COORDINATE PATCH WORK WITH GC / ARCHITECT.
- FD-2 REMOVE (E) FIRE DEPARTMENT CONNECTION COMPLETELY.
- FD-3 REMOVE (E) FIRE SPRINKLER DRAIN AND ASSOCIATED (E) PIPING COMPLETELY. FILL ALL EXTERIOR WALL HOLES WITH PATCH. COORDINATE PATCH WORK WITH GC / ARCHITECT.
- FD-4 REMOVE (E) FIRE DRAIN LINE PIPING COMPLETELY. FILL ALL EXTERIOR WALL HOLES WITH PATCH. COORDINATE PATCH WORK WITH GC / ARCHITECT.
- FD-5 REMOVE ALL EXISTING FIRE SPRINKLER PIPING, HEADS, DRAINS, WIRING, ETC. EXISTING SYSTEM TO BE REMOVED IN ITS ENTIRETY.

Plans for the automatic fire suppression system shall be submitted to the Idaho State Fire Marshal's Office by a licensed sprinkler contractor for review and acceptance prior to the installation of any system components. (IDAPA 18.08.02.021)

Shop drawings for the Fire Alarm System shall be submitted to the State Fire Marshal's office for review and approval prior to system installation. (IFC 907.1.2)



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:
FIRE SPRINKLER FLOOR PLAN - MAIN BUILDING

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 AUGUST 2024
 DRAWN BY:
 JM
 CHECKED BY:
 JJ

DRAWING NO.:
F1.10



Approved
State of Idaho
Division of Building Safety

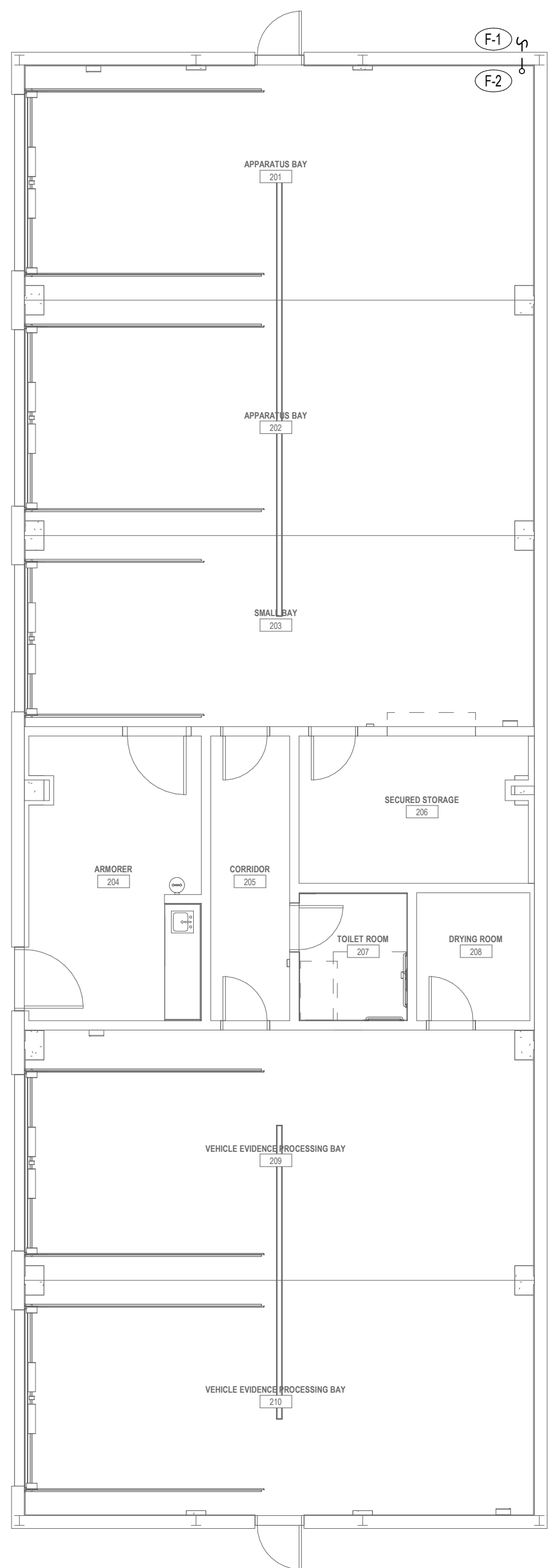
These Documents are approved in compliance with the mark-ups and notes applied. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

KEYNOTES

- F-1 REFER TO CIVIL FOR CONTINUATION OF FIRE SPRINKLER PIPING. COORDINATE FINAL RISER LOCATION WITH GENERAL CONTRACTOR/ARCHITECT. COORDINATE FIRE LINE SIZE AND RISER REQUIREMENTS WITH GENERAL CONTRACTOR.
- F-2 PROVIDE FIRE DEPARTMENT CONNECTION. FDC LOCATION IS TO BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION. FDC TO BE PROVIDED WITH CHECK VALVE.

PLAN NOTES

- A. THE FIRE SPRINKLER SYSTEM WILL BE DESIGNED AND INSTALLED BY A LICENSED DESIGN-BUILD FIRE SPRINKLER CONTRACTOR. THE BUILDING WILL BE FULLY SPRINKLERED AND THE SYSTEM WILL BE HYDRAULICALLY CALCULATED. REFER TO ALL ARCHITECTURAL FLOOR PLANS, ELEVATIONS, SECTIONS, ETC TO DETERMINE PIPING ROUTING CONSTRAINTS, WALL AND CEILING RATINGS, AND TO DETERMINE CORRECT OCCUPANCY CLASSIFICATIONS.
- B. INSTALL ALL FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH THE ADOPTED VERSION OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL ENERGY CONSERVATION CODE, IDAHO PLUMBING CODE, NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS, AND ALL OTHER LOCAL CODES AND ADOPTED ORDINANCES.
- C. THE ENTIRE BUILDING WILL BE FULLY SPRINKLERED AND WILL ADHERE TO THE FOLLOWING DESIGN PARAMETERS:
 1. CEILING MOUNTED SPRINKLER HEADS WILL BE WHITE, CONCEALED PENDENT (WITH COVER PLATE), QUICK RESPONSE, STANDARD COVERAGE HEADS.
 2. SPRINKLERS LOCATED IN SPACES WITHOUT CEILINGS WILL BE UPRIGHT SPRINKLERS WITH BRASS FINISH
 3. ALL THREADED PIPING FOR WET SYSTEMS WILL BE SCHEDULE 40 BLACK STEEL AND ALL GROOVED PIPE WILL BE SCHEDULE 10 BLACK STEEL
- D. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE DETECTION AND ACTIVATION OF THE SYSTEM TO BE COMPATIBLE WITH THE VALVES AND EQUIPMENT FOR THE FIRE PROTECTION SYSTEM.
- E. CLOSELY COORDINATE ALL FIRE PROTECTION WITH ELECTRICAL, MECHANICAL, PLUMBING ARCHITECTURAL AND STRUCTURAL. COORDINATE FIRE LINE STUB REQUIREMENTS IN FIRE RISER ROOM WITH GENERAL CONTRACTOR/FIRE PROTECTION CONTRACTOR. PIPING IS APPROXIMATE AND DIAGRAMMATIC AND IS NOT TO BE SCALED. PROVIDE ALTERNATE ROUTING, OFFSETS, AND TRANSITIONS AS REQUIRED FOR COORDINATION OF ALL WORK WITHOUT ADDITIONAL COST TO THE OWNER.
- F. FIELD VERIFY ALL FIRE PROTECTION PIPE ROUTING PRIOR TO COMMENCING NEW WORK. DO NOT FABRICATE OR INSTALL ANY PIPING/EQUIPMENT BEFORE VERIFYING DIMENSIONS AND ROUTING WITH BUILDING CONDITIONS AND ALL OTHER TRADES.
- G. IF DISCREPANCIES EXIST BETWEEN BUILDING CODES, DRAWINGS, NOTES, AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT WILL BE REQUIRED UNLESS CLARIFIED BY PROJECT ENGINEER IN AN OFFICIAL ADDENDUM OR SUPPLEMENTAL INSTRUCTION.
- H. COORDINATE ALL ELECTRICAL AND CONTROL REQUIREMENTS WITH ELECTRICAL.
- I. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- J. CONTRACTOR TO CONDUCT A FIRE FLOW TEST FOR THIS SITE. SYSTEM DESIGN TO BE IN ACCORDANCE WITH THE FIRE FLOW TEST RESULTS.



FIRE SPRINKLER FLOOR PALN - ROLLING ASSETS BUILDING (ADD ALTERNATE #1)
SCALE: 1/8" = 1'-0"

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402
PROJECT TITLE:
FIRE SPRINKLER FLOOR PLAN - ROLLING ASSETS BUILDING (ADD ALTERNATE #1)

REVISIONS

NO.	DESCRIPTION

PROJECT NO.
21034
DATE:
AUGUST 2024
DRAWN BY:
JM
CHECKED BY:
JJ

DRAWING NO.:
F1.20

These Documents are approved. Mark-ups and notes applied. Contributions on the compliance with the Division of Building Services. Approved Statewide Permit.

TECHNOLOGY SYSTEMS GENERAL NOTES

- REFER TO SPECIFICATION SECTION "TECHNOLOGY GENERAL PROVISIONS" FOR MORE INFORMATION ABOUT DRAWINGS AND BID DOCUMENTS.
- MANY SYMBOLS USED ON THIS PROJECT HAVE A TYPE ASSOCIATED WITH THEM. SEE SHEETS WITH DETAILS AND PROJECT SPECIFICATIONS FOR MORE INFORMATION ON THE DESCRIPTION OF EACH TYPE.
- ALL CONDUIT FOR TECHNOLOGY SYSTEMS INDOOR ABOVE GRADE SHALL BE EMT AND ALL CONDUIT FOR BELOW GRADE SHALL BE PVC.
- SEE LATEST SAFETY PLANS FOR LOCATIONS OF FIRE RATED PARTITIONS IN THIS PROJECT. PROVIDE AN APPROVED FIRE STOP SYSTEMS FOR EACH RACEWAY OR CABLE GOING THROUGH A RATED WALL. SEE SPECIFICATION "RACEWAYS FOR TECHNOLOGY" FOR MORE INFORMATION.
- WORKING CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL BE MAINTAINED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110. COORDINATE EQUIPMENT INSTALLATION TO MAINTAIN REQUIRED CLEARANCES.
- SYMBOLS USED ON THE TECHNOLOGY DRAWINGS ARE NOT THE SAME SIZE AS THE ACTUAL OBJECT BEING REPRESENTED. THEREFORE LOCATIONS OF THE SYMBOLS ON THE FLOOR PLANS ARE AN APPROXIMATION TO THE ACTUAL LOCATION OF THE DEVICE AND NEED TO BE CAREFULLY COORDINATED WITH OTHER ELEMENTS IN THE VICINITY. AS A GENERAL GUIDELINE:
 - VOICE/DATA OUTLET FOR WORK-AREAS SHALL BE INSTALLED WITHIN 6 INCHES OF A POWER OUTLET INDICATED IN ELECTRICAL DRAWINGS.
 - TV OUTLETS SHALL BE INSTALLED WITHIN 6 INCHES OF A POWER OUTLET SHOWN ON THE ELECTRICAL DRAWINGS.
 - WHEN MULTIPLE TECHNOLOGY SYSTEMS OUTLETS ARE INDICATED NEXT TO EACH OTHER WITH SYMBOLS, THE SPACING BETWEEN OUTLETS SHALL BE CONSISTENT IF NO ELEVATION IS SHOWN ON THE DRAWINGS.
 - WHEN INSTALLER IS NOT CERTAIN ABOUT SPECIFIC ADJUSTMENTS OF A DEVICE, THE QUESTION SHALL BE ASKED TO THE ENGINEER PRIOR TO INSTALLATION.
- FOR EXACT LOCATION OF CEILING MOUNTED EQUIPMENT REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS OF EQUIPMENT NOT INCLUDED ON THE REFLECTED CEILING PLAN SHALL BE COORDINATED WITH THOSE ITEMS SHOWN. COORDINATION OF CEILING MOUNTED EQUIPMENT SHALL BE PRIOR TO ANY ROUGH-IN. NOTIFY ENGINEER OF ANY DISCREPANCY.
- LOCATIONS OF FLOOR BOXES AND FLOOR PENETRATIONS SHALL NOT BE MEASURED FROM THIS SET OF DRAWINGS. INSTALLER SHALL REQUEST PRECISE LOCATIONS FROM ARCHITECT.
- EACH VOICE/DATA RJ45 JACK SHALL BE CONNECTED TO A DEDICATED 4 PR CABLE.
- THE RESPONSIBILITY OF RACEWAY INSTALLATION SHALL BE AS DIRECTED BY THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR, BUT ALL RACEWAYS FOR TECHNOLOGY ARE TO BE INCLUDED IN THIS CONTRACT.
- WHEN CONDUIT RUNS ARE INDICATED ABOVE GRADE OR BELOW GRADE ON THESE DRAWINGS, NOT EVERY SINGLE JUNCTION BOX (OR COMMUNICATIONS WALL) REQUIRED IS INDICATED ON THE DRAWINGS. TYPICALLY ONLY END POINT LOCATIONS OR SPECIFIC PASS-THROUGH LOCATIONS WHERE THE ENGINEER DESIRES A BOX ARE SHOWN ON THE DRAWINGS. SEE SPECIFICATION "RACEWAYS FOR TECHNOLOGY" FOR REQUIREMENTS THAT INDICATE ADDITIONAL JUNCTION BOXES OR COMMUNICATION WALLS THAT SHALL BE PROVIDED UNDER THIS CONTRACT. SUCH REQUIREMENTS INCLUDE ADDITIONAL BOXES REQUIRED BECAUSE OF NUMBER OF CONDUIT BENDS OR CHANGES IN ELEVATION.
- SOME SYMBOLS INCLUDED IN THE SYMBOL LEGEND MAY NOT BE USED IN THESE PROJECT DRAWINGS.
- UNDER NO CONDITIONS, CONDUITS FOR LOW VOLTAGE FOR FLOOR BOXES SHALL BE DAISY CHAINED TOGETHER BETWEEN ADJACENT FLOOR BOXES. ALL CONDUITS FOR FLOOR BOXES SHALL BE HOME RUNS TO NEAREST ACCESSIBLE CEILING SPACE.
- THIS SET OF DRAWINGS DOES NOT INDICATE ALL GROUNDING AND BONDING REQUIREMENTS FOR TECHNOLOGY SYSTEMS. REFER TO SPECIFICATION SECTION "GROUNDING FOR TELECOMMUNICATION SYSTEM" FOR ADDITIONAL REQUIREMENTS.
- ALL CABLES FOR TECHNOLOGY SYSTEMS RUN UNDER SLAB OR BELOW GRADE IN CONDUITS STUBBING UP INSIDE THE TELECOM ROOM SHALL BE INDOOR/OUDOOR RATED. FOR CONDUITS STUBBING UP IN OTHER LOCATIONS DIFFERENT FROM TELECOM ROOMS AND FURTHER THAN 50 FT. FROM A TELECOM ROOM, DO NOT USE INDOOR/OUDOOR RATED CABLES.
- GRAPHICS USED FOR EQUIPMENT IN ELEVATIONS AND CHANNELS (LINE DRAWINGS) DO NOT NECESSARILY REPRESENT THE PART NUMBER OF THE EQUIPMENT SPECIFIED. THE PART NUMBERS LISTED IN THE DRAWINGS AND SPECIFICATIONS ARE TO BE FOLLOWED FOR BASIS OF DESIGN, NOT THE GRAPHICS.
- THE TECHNOLOGY DRAWINGS DO NOT SHOW ALL REQUIRED CONDUITS/RACEWAYS TO BE PROVIDED UNDER THIS CONTRACT. TYPICALLY CONDUIT SIZES SMALLER THAN 2" ARE NOT SHOWN ON THE DRAWINGS. SEE SPECIFICATIONS "RACEWAYS FOR TECHNOLOGY" AND DRAWING DETAILS FOR ADDITIONAL RACEWAY REQUIREMENTS.
- DEFINITION OF ACRONYMS USED IN THESE DRAWINGS:
 - NIC (N.I.C.) - NOT IN CONTRACT
 - OPE (O.F.E.) - OWNER FURNISHED EQUIPMENT. SEE RESPONSIBILITY MATRIX FOR MORE INFORMATION.
 - D.H.I.(I.) - DOOR HARDWARE INSTALLER
 - U.S.C.(.) - LENDER SEPARATE CONTRACT.
- ALL REQUIRED WALL PENETRATIONS, EXISTING AND NEW, SHALL MAINTAIN THE NEW WALL RATING AFTER CABLING HAS BEEN INSTALLED OR REMOVED.
- ALL SPEAKERS MOUNTED IN A CEILING TILE SHALL BE CENTERED IN THE CEILING TILE.

BASIC MATERIALS

- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- CAPPED CONDUIT
- CONDUIT STUBBED AND BUSHED INTO ACCESSIBLE CEILING CAVITY
- CONDUIT CONTINUED
- CONDUIT SLEEVES
 - X= QTY OF SLEEVES
 - Y= SIZE OF CONDUITS SLEEVES PENETRATING WALL ABOVE CEILING SPACE.
- IF NO QUANTITY INDICATED USE AS MANY SLEEVES AS REQUIRED TO MATCH CROSS SECTIONAL AREA OF CABLE TRAY NEXT TO SLEEVE.
- TUBULAR RUNWAY, HUNG ABOVE CEILING OR AS NOTED
- CABLE TRAY (TYPE), HUNG ABOVE CEILING OR AS NOTED
- SURFACE MOUNTED ENCLOSED TECHNOLOGY SYSTEMS. SEE SHEETS WITH DETAILS FOR ADDITIONAL INFORMATION
- JUNCTION BOX WALL MOUNTED. SIZE PER NEC IF NOT INDICATED ON DRAWING. NEMA 1 FOR INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCKING COVER
- JUNCTION BOX CEILING MOUNTED. SIZE PER NEC IF NOT INDICATED ON DRAWING. NEMA 1 FOR INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCKING COVER
- TELECOMMUNICATIONS GROUND VAULT. SEE DETAILS AND SPECS FOR MORE INFORMATION
 - X= BOX TYPE. IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- TELECOMMUNICATIONS PULLBOX. SEE DETAILS AND SPECS FOR MORE INFORMATION
 - X= BOX TYPE. IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- TECHNOLOGY POLE. SEE SHEETS WITH DETAILS FOR ADDITIONAL INFORMATION

GENERAL

- NEW EQUIPMENT
- EXISTING WORK AND/OR EQUIPMENT REFERENCE, SHOWN ON MULTIPLE DRAWINGS
- DEVICE TO BE REMOVED (DEMO PLANS) UNDERFLOOR CONDUIT (NEW PLANS)
- WIRE AND/OR CONDUIT RUN CONTINUED ON REFERENCED DETAIL
- MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWINGS
- DETAIL AND/OR SECTION REFERENCE
- CABLE ROUTING BOUNDARY
- FUTURE WORK

DRAWING NOTES AND DESIGNATIONS

- DRAWING KEYED NOTES
- CABLE ROUTING NOTES
- DETAIL OR SECTION REFERENCE TAG

VOICE AND DATA SYSTEM

TELECOMMUNICATION OUTLET

- X= MOUNTING: (E= EXISTING, F= FLUSH, S= SURFACE, M= MODULAR FURNITURE ADAPTER, P= POLE, L= FLOOR, R= RACEWAY)
- N= NUMBER OF DATA CABLES IN THE FACEPLATE
- Y= NOT USED
- Z= NUMBER OF FIBER OPTIC STRANDS IN THE FACEPLATE
- U= USER (IF APPLICABLE)
- HH= INSTALLATION HEIGHT IN INCHES AT CENTER OF OUTLET, COORDINATE WITH ELECTRICAL. IF NOT SHOWN INSTALL AT TYPICAL RECEPTACLE HEIGHT.
- W= WALL TELEPHONE FACEPLATE WITH SUPPORT STUDS, INSTALLED AT 48" AFF AT CENTER OF OUTLET AND 12" FROM EDGE OF WALL.
- WP=WEATHERPROOF

EXAMPLE: F2 = TWO DATA JACKS IN A SINGLE FACEPLATE, FLUSH MOUNTED

OUTLET FOR MECHANICAL/ ELECTRICAL/ FIRE ALARM/ ELEVATOR/ STAR CONNECTION

- Y: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- HH: IF NOT SHOWN, COORDINATE EXACT LOCATION WITH DEVICE

CEILING MOUNTED INFORMATION OUTLET, MOUNTED ON FINISHED CEILING

- XY: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET

OUTLET FOR WIRELESS ACCESS POINT, WALL MOUNTED

- Y: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF

OUTLET FOR WIRELESS ACCESS POINT, MOUNTED ON FINISHED CEILING

- XY: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET

FLOOR BOX FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS. REFER TO POKE-THRU/ FLOORBOX SCHEDULE FOR MORE INFORMATION

F= FLOOR CONDITION: (C= CONCRETE TYPE, G= GRADE, R= RAISED FLOOR, W= WOOD)

- Y= DENOTES # OF GANGS (1,2,3...)
- Z= DENOTES PLATE TYPE (A,B,C,...), A= NO AUDIO/VISUAL
- LN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET

POKE-THRU FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS. REFER TO POKE-THRU & FLOOR BOX SCHEDULE FOR MORE INFORMATION

- Y= DENOTES POKE-THRU SIZE (4"x4", 6"x8", 8"x8".....)
- Z= DENOTES PLATE TYPE (A,B,C,...), A= NO AUDIO/VISUAL
- LN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET

WALL MOUNTED FURNITURE FEED USED TO FEED CABLES TO MODULAR FURNITURE OR CABLES

FLOOR BOX USED TO FEED CABLES TO MODULAR FURNITURE. REFER TO DETAIL SHEET

X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

POKE-THRU USED TO FEED CABLES TO MODULAR FURNITURE. REFER TO DETAIL SHEET

X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

AV BACKBOX, INSTALLED BEHIND DISPLAY/ CRENDENZA RACK. COORDINATE BACKBOX PRIOR TO ROUGH-IN. REFER TO DETAIL & SCHEDULE FOR MORE INFORMATION

G= DENOTES # OF GANGS

- XY= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE

RECESS IN-WALL STORAGE BOX, INSTALLED BEHIND DISPLAY, COORDINATE BACKBOX PRIOR TO ROUGH-IN. REFER TO DETAIL & SCHEDULE FOR MORE INFORMATION

G= DENOTES # OF GANGS

- XY= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE

POWER POLE FOR COMBINED USE - TECHNOLOGY SYSTEMS AND POWER.

- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

FIBER OPTICS ROUTING TAG FOR BACKBONE CABLING

- N= DENOTES CONNECTION TYPE (P=PRIMARY, S=SECONDARY)
- XX= DENOTES FIBER STAND QUANTITY
- Z= DENOTES RUN NUMBER
- R= REFER TO FIBER OPTICS RISER FOR MORE INFORMATION.

VIDEO SURVEILLANCE SYSTEMS

- PAN/TILT/ZOOM CCTV CAMERA, WALL MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- PAN/TILT/ZOOM CCTV CAMERA, CEILING MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- FIXED CCTV CAMERA, WALL MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- FIXED CCTV CAMERA, CEILING MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° CCTV CAMERA, WALL MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° CCTV CAMERA, CEILING MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° MULTI-IMAGER CCTV CAMERA, CEILING MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° CCTV CAMERA, WALL MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° CCTV CAMERA, CEILING MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° MULTI-IMAGER CCTV CAMERA, CEILING MOUNTED
 - X=C CAMERA TYPE (1,2,3). SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- FLAT PANEL DISPLAY WITH MOUNT
 - XX= SCREEN SIZE
 - YY= HEIGHT TO CENTER OF SCREEN
- SECURITY SYSTEM WORKSTATION, DESK MOUNTED
 - X= TYPE

AUDIO VISUAL EQUIPMENT

CEILING MOUNTED SPEAKER

- X= SPEAKER TYPE
- Y= SPEAKER ZONE
- Z= DENOTES SPEAKER # IN ZONE
- W= DENOTES SPEAKER WATTAGE TAP
- NO ZONE INDICATES LOCAL ZONE FOR AV SYSTEM IN ROOM

WALL MOUNTED SPEAKER

- X= SPEAKER TYPE
- Y= SPEAKER ZONE
- Z= DENOTES SPEAKER # IN ZONE
- W= DENOTES SPEAKER WATTAGE TAP
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE
- NO ZONE INDICATES LOCAL ZONE FOR AV SYSTEM IN ROOM

VOLUME CONTROL, WALL MOUNTED

- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF

FLIP TOP DEVICE MOUNTED ON TABLE

SENS MICROPHONE FOR AMBIENT NOISE, WALL MOUNTED

- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF

SENS MICROPHONE FOR AMBIENT NOISE, CEILING MOUNTED

MICROPHONE, DESK MOUNTED

- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

MICROPHONE, WALL MOUNTED

- X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, ONLY ONE TYPE
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET

MICROPHONE, CEILING MOUNTED

- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

WIRELESS ANTENNA FOR WIRELESS MICROPHONE, WALL MOUNTED

- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF

TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, DESK MOUNTED

- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE

TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, WALL MOUNTED, INCLUDES BACK BOX

- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF

CAMERA FOR AV SYSTEM, WALL MOUNTED

- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET

CAMERA FOR AV SYSTEM, CEILING MOUNTED

- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE

ASSISTED LISTENING TRANSMITTER, WALL MOUNTED

- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET

ROOM SCHEDULING PANEL, WALL MOUNTED, INCLUDES BACK BOX

- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF

OCCUPANCY SENSOR, CEILING MOUNTED

- X= TYPE, C= CRESNET, E= ETHERNET

AUDIO VISUAL DISPLAY

- TT= DISPLAY TYPE WITH MOUNT
- XX= SCREEN SIZE
- YY= HEIGHT TO CENTER OF SCREEN

INTERACTIVE WHITEBOARD

- TT= DISPLAY TYPE WITH MOUNT
- XX= SCREEN SIZE
- YY= HEIGHT TO CENTER OF SCREEN

OVERHEAD PROJECTOR WITH MOUNT

- X= TYPE
- Y= LENS THROW RATIO

PULLDOWN PROJECTION SCREEN

- X= DIAGONAL DIMENSION IN INCHES

MOTORIZED PROJECTION SCREEN

- X= DIAGONAL DIMENSION IN INCHES

WALL SWITCH FOR MOTORIZED SCREEN

PODIUM FOR AV EQUIPMENT, REFER TO DETAIL SHEETS

- X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT

AV PLATE OUTLET, REFER TO DETAIL SHEETS

- X= DENOTES TYPE OF OUTLET, SEE DETAIL FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 1'-6" AFF

SOUND BAR WITH CAMERA, WALL MOUNTED

- HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF

ELECTRONIC SECURITY SYSTEM

- CARD READER, WALL MOUNTED
- CARD READER WITH INTEGRATED KEYPAD, WALL MOUNTED
- BIOMETRIC ACCESS CONTROL DEVICE, WALL MOUNTED
- KEYPAD, WALL MOUNTED
- WIRED IP LOCK, DOOR MOUNTED
- WIRELESS MORTISE LOCK, DOOR MOUNTED
- WIRELESS CYLINDRICAL LOCK, DOOR MOUNTED
- INTRUSION ALARM KEYPAD
- ELECTRIC MORTISE LOCK OR ELECTRIC TRIM
- DELAYED EGRESS LATCH LOCK
- DELAYED EGRESS MAG LOCK
- ELECTRIC CYLINDRICAL LOCK
- ELECTRIC LATCH RETRACTION LOCK
- ELECTROMAGNETIC LOCK
- ELECTRONIC DETENTION LOCK
- ELECTRIC DOOR STRIKE
- ELECTRIC DOOR OPERATOR (ACTUATOR ARM)
- DOOR POSITION SWITCH
- BALANCED MAGNETIC SWITCH
- PIM MODULE FOR WIRELESS LOCKS, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- ALARM, BLUE LIGHT, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- LOCAL ALARM - HORN/STROBE, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- SIREN ALARM FOR INTRUSION DETECTION, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- ASSISTANCE STATION, WALL MOUNTED
 - X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO SPECIFICATION FOR TYPE
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- ASSISTANCE STATION (BLUE LIGHT), TOWER STATION
 - X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO SPECIFICATION FOR TYPE
- INTERCOM SUBSTATION (DOOR STATION), WALL MOUNTED
 - X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- INTERCOM MASTER STATION, DESK MOUNTED
 - X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE
- INTERCOM MASTER STATION, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- CALL STATION (THROUGH PHONE LINE) FOR BUILDING ENTRY, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- DOOR TYPE IDENTIFIER
 - X= TYPE (A1, C3, B6...) REFER TO SECURITY DOOR DETAILS
- DOOR RELEASE BUTTON, WALL MOUNTED
 - X= A: ADA ACCESSIBLE - (PALM ACTUATOR), W: HAND WAVE, NO TYPE: REGULAR PUSH BUTTON
- DOOR RELEASE BUTTON, DESK MOUNTED
- REQUEST TO EXIT DEVICE (IR SENSOR), MOUNT CENTERED ABOVE DOOR FRAME
- GLASS BREAK SENSOR, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- GLASS BREAK SENSOR, CEILING MOUNTED
- GATE PEDESTAL
- ELECTRIC GATE OPERATOR
- DURESS PANIC BUTTON, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- DURESS PANIC BUTTON, MOUNTED UNDER DESK
- MOTION DETECTOR, WALL MOUNTED, MOUNT 6" BELOW CEILING OR 8'-0" AFF MAX
- MOTION DETECTOR, 360 DEGREE SENSOR, CEILING MOUNTED
- INFANT ABDUCTION SYSTEM, WALL MOUNTED
 - HH= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
- INFANT ABDUCTION SYSTEM, CEILING MOUNTED ABOVE DOOR

LINE BETWEEN SECURITY DEVICES, INDICATES ASSOCIATED EQUIPMENT

- CONTROLLED DOOR INTERLOCK GROUP. PROGRAMMED SO ONLY ONE DOOR CAN BE OPEN AT A TIME.
- ACCESS CONTROL DOOR DIRECTION, A1/A2 - REPRESENTS ACCESS CONTROL PATH FREE - NO ACCESS CONTROL
- CR - CARD READER
- CR/KP - CARD READER AND KEYPAD MONITORED - DOOR MONITORED

SHEET MANAGER	
Sheet Number	Sheet Name
T001	TECHNOLOGY SYMBOLS, LEGEND, NOTES AND INDEX
T051	TECHNOLOGY SITE PLAN
T101	VOICE/DATA MAIN LEVEL FLOOR PLAN
T201	AUDIO/VISUAL AND SECURITY LEVEL 01 FLOOR PLAN
T301	ROLLING ASSETS STORAGE BUILDING
T401	ENLARGED PLANS
T501	SECURITY RISER DIAGRAMS
T712	VOICE/DATA DETAILS
T723	SECURITY DETAILS
T733	SECURITY DETAILS

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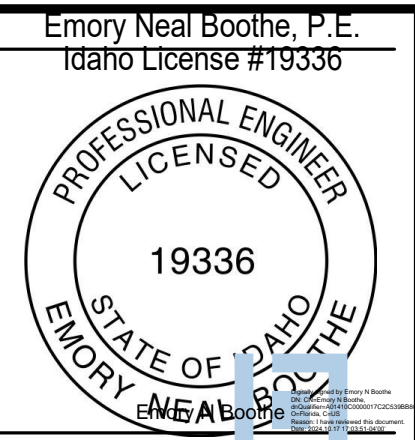
REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTIE DRIVE
IDAHO FALLS, IDAHO 83402

PROJECT:

SHEET TITLE:
T001

TECHNOLOGY SYMBOLS, LEGEND, NOTES AND INDEX

PROJECT NO.
21034
DATE:
OCTOBER 2024
DRAWN BY:
NBW
CHECKED BY:
NBW
DRAWING NO.:



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
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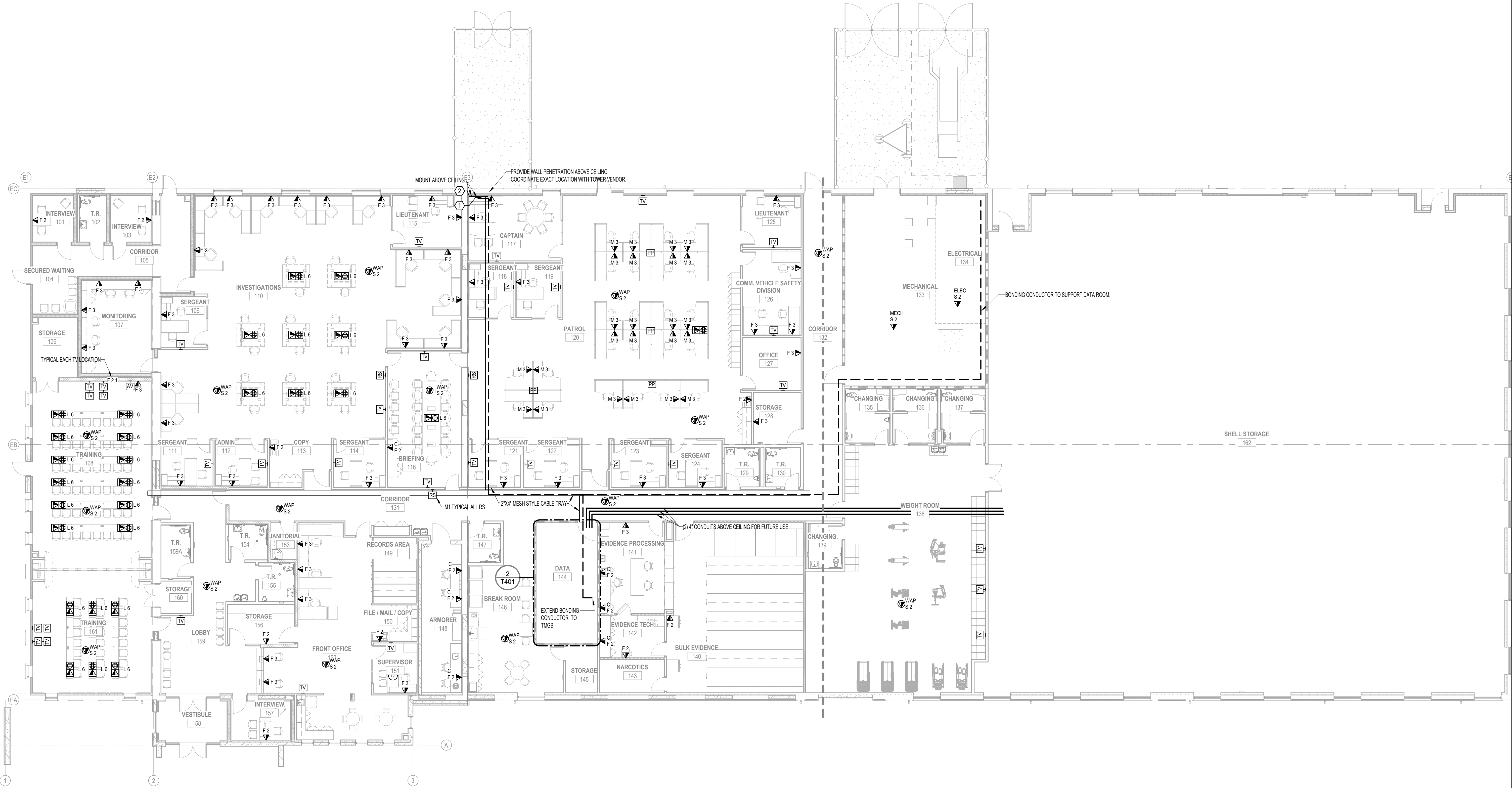
PROJECT:
 SHEET TITLE:
VOICE/ DATA MAIN LEVEL FLOOR PLAN

NO.	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 OCTOBER 2024
 DRAWN BY:
 NBW
 CHECKED BY:
 NBW

DRAWING NO.:

T101



1 MAIN LEVEL VOICE/ DATA FLOOR PLAN
 3/32" = 1'-0"

Approved
 State of Idaho
 Division of Building Safety

These Documents are approved in accordance with the applicable codes, standards, rules or rules applicable to this project.
 This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, rules or rules applicable to this project.

10/14/2024 3:38:10 PM Autodesk Docs://DPW 22511 ISP District 6 HQ 224024 - Idaho State Police District 6 HQ TECH_R23.rvt

These Documents are approved in accordance with the applicable codes and rules. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals.

TRAINING 108 AV NARRATIVE
 PROVIDE AV SYSTEM WITH THE FOLLOWING INPUTS: 4 INPUTS FOR DPOI EQUIPMENT, CRESTRON FLEX SYSTEM, LOCAL INPUT IN 108, LOCAL INPUT IN 161. SYSTEM SHALL HAVE THE FOLLOWING OUTPUTS: 4 DISPLAYS (ARRANGED AS A 2X2 MATRIX WITH EACH OUTPUT INDIVIDUALLY SCALABLE) AND 1 OUTPUT TO DISPLAY IN ROOM 161. AUDIO INPUTS SHALL BE 6 WIRELESS MICROPHONES, 1 AUDIO FEED FROM FLEX SYSTEM FOR VTC, 2 OVERHEAD MICROPHONES, & PROGRAM AUDIO FROM EACH INPUT AND ACCESS TO OVERHEAD MICROPHONE IN 161. AUDIO OUTPUTS SHALL BE AUDIO ZONES Z108 & Z161, AND AUDIO FEED TO FLEX SYSTEM FOR VTC. MINIMUM (2) SPARE AUDIO INPUTS AND OUTPUTS SHALL BE PROVIDED. VIDEO TELECONFERENCING CAMERA FOR FLEX SYSTEM SHALL BE EXTENDED INTO ROOM 108.

TRAINING 161 AV NARRATIVE
 PROVIDE AV SYSTEM WITH THE FOLLOWING INPUTS: CRESTRON FLEX SYSTEM, LOCAL INPUT IN 161, MIRRORRED OUTPUT FROM TRAINING 108. SYSTEM SHALL HAVE THE FOLLOWING OUTPUTS: 4 DISPLAYS (ARRANGED AS A 2X2 MATRIX WITH EACH OUTPUT INDIVIDUALLY SCALABLE). AUDIO INPUTS SHALL BE 2 WIRELESS MICROPHONES, OVERHEAD MICROPHONE, 1 AUDIO FEED FROM FLEX SYSTEM FOR VTC, & PROGRAM AUDIO FROM EACH INPUT. AUDIO OUTPUTS SHALL BE AUDIO ZONES Z108 & Z161, AND AUDIO FEED TO FLEX SYSTEM FOR VTC. MINIMUM (2) SPARE AUDIO INPUTS AND OUTPUTS SHALL BE PROVIDED. VIDEO TELECONFERENCING CAMERA FOR FLEX SYSTEM SHALL BE EXTENDED INTO ROOM 161.

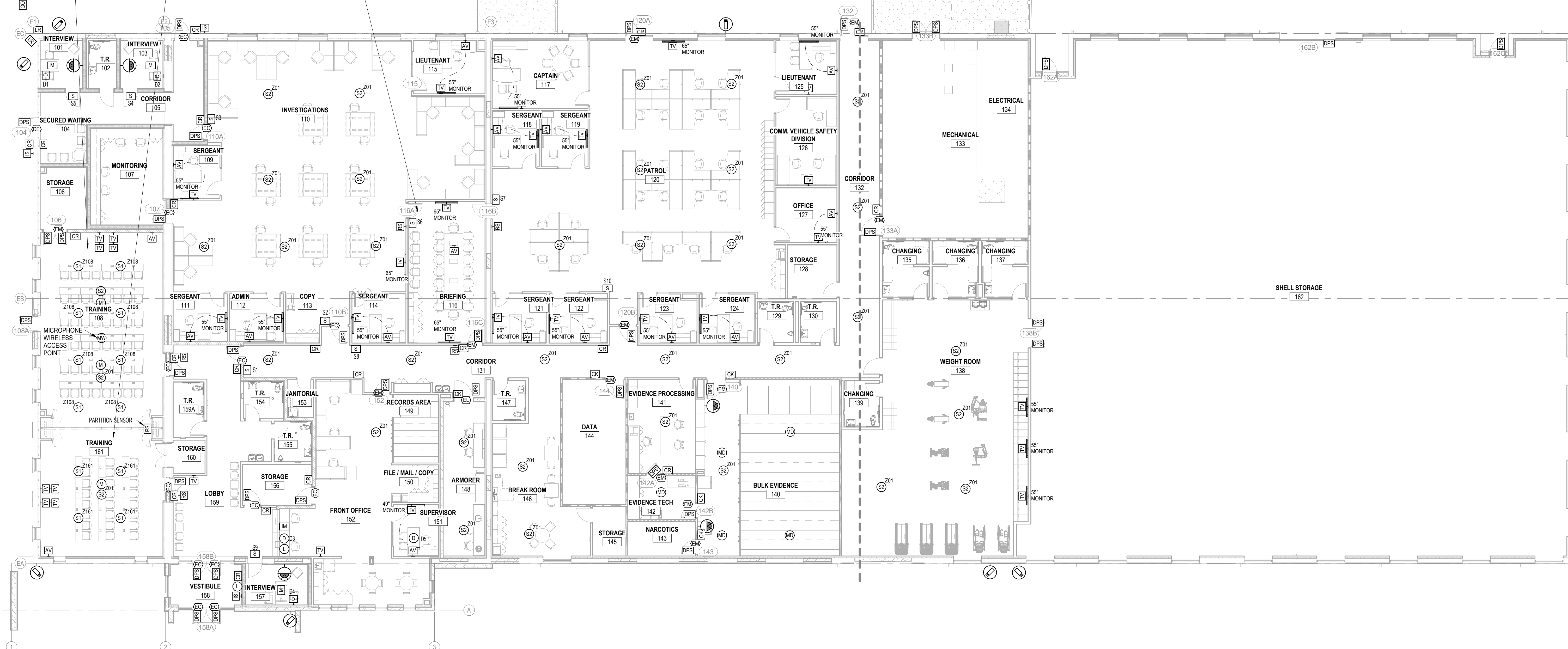
BRIEFING 116 AV NARRATIVE
 PROVIDE AV SYSTEM WITH THE FOLLOWING INPUTS: CRESTRON FLEX SYSTEM, LOCAL INPUT IN 116, MIRRORRED OUTPUT FROM TRAINING 108. SYSTEM SHALL HAVE THE FOLLOWING OUTPUTS: 4 DISPLAYS (ARRANGED AS A 2X2 MATRIX WITH EACH OUTPUT INDIVIDUALLY SCALABLE). AUDIO INPUTS SHALL BE 2 WIRELESS MICROPHONES, OVERHEAD MICROPHONE, 1 AUDIO FEED FROM FLEX SYSTEM FOR VTC, & PROGRAM AUDIO FROM EACH INPUT. AUDIO OUTPUTS SHALL BE AUDIO ZONES Z108 & Z116, AND AUDIO FEED TO FLEX SYSTEM FOR VTC. MINIMUM (2) SPARE AUDIO INPUTS AND OUTPUTS SHALL BE PROVIDED. VIDEO TELECONFERENCING CAMERA FOR FLEX SYSTEM SHALL BE EXTENDED INTO ROOM 116.

DURESS NARRATIVE
 WHEN A DURESS BUTTON IS PRESSED, THE PAGING SYSTEM SHALL BE ACTIVATED AND PLAY A PRE-RECORDED MESSAGE AND SIGNAL LIGHTS SHALL BE ILLUMINATED.
 D1: S3, S5, S6, S7, S8
 D2: S3, S4, S5, S7, S8
 D3 & D5: S1, S2, S10
 D4: S1, S2, S8, S10

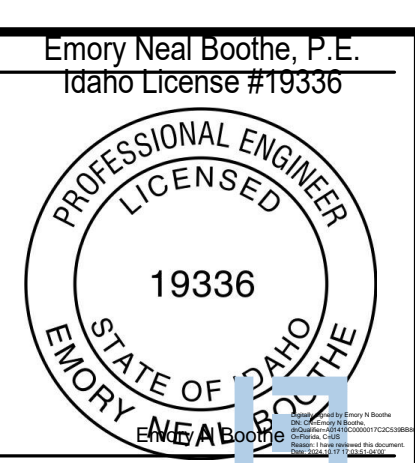
ACCESS CONTROL SYSTEM SHALL BE IDENTIV HRSCH VELOCITY.
 INSTALLER SHALL BE CONVERGENT.
 CCTV SYSTEM SHALL BE AVIGILON ACC WITH AVIGILON CAMERAS.

ROOM SHALL BE COMBINABLE WITH TRAINING 108.
 2X2 MATRIX SHALL BE PROVIDED BY COMPUNET UNDER EXISTING CONTRACT. ALL OTHER EQUIPMENT SHALL BE BY CONTRACTOR.

ROOM SHALL BE COMBINABLE WITH TRAINING 108.
 2X2 MATRIX SHALL BE PROVIDED BY COMPUNET UNDER EXISTING CONTRACT. ALL OTHER EQUIPMENT SHALL BE BY CONTRACTOR.



1 MAIN LEVEL AUDIO/VISUAL FLOOR PLAN
 3/32" = 1'-0"



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 ARCHITECTURE / PLANNING / INTERIORS
 990 JOHN HODGINS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
 (P) 208-522-8779 (F) 208-522-8785 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE:
AUDIOVISUAL AND SECURITY LEVEL 01 FLOOR PLAN

REVISIONS

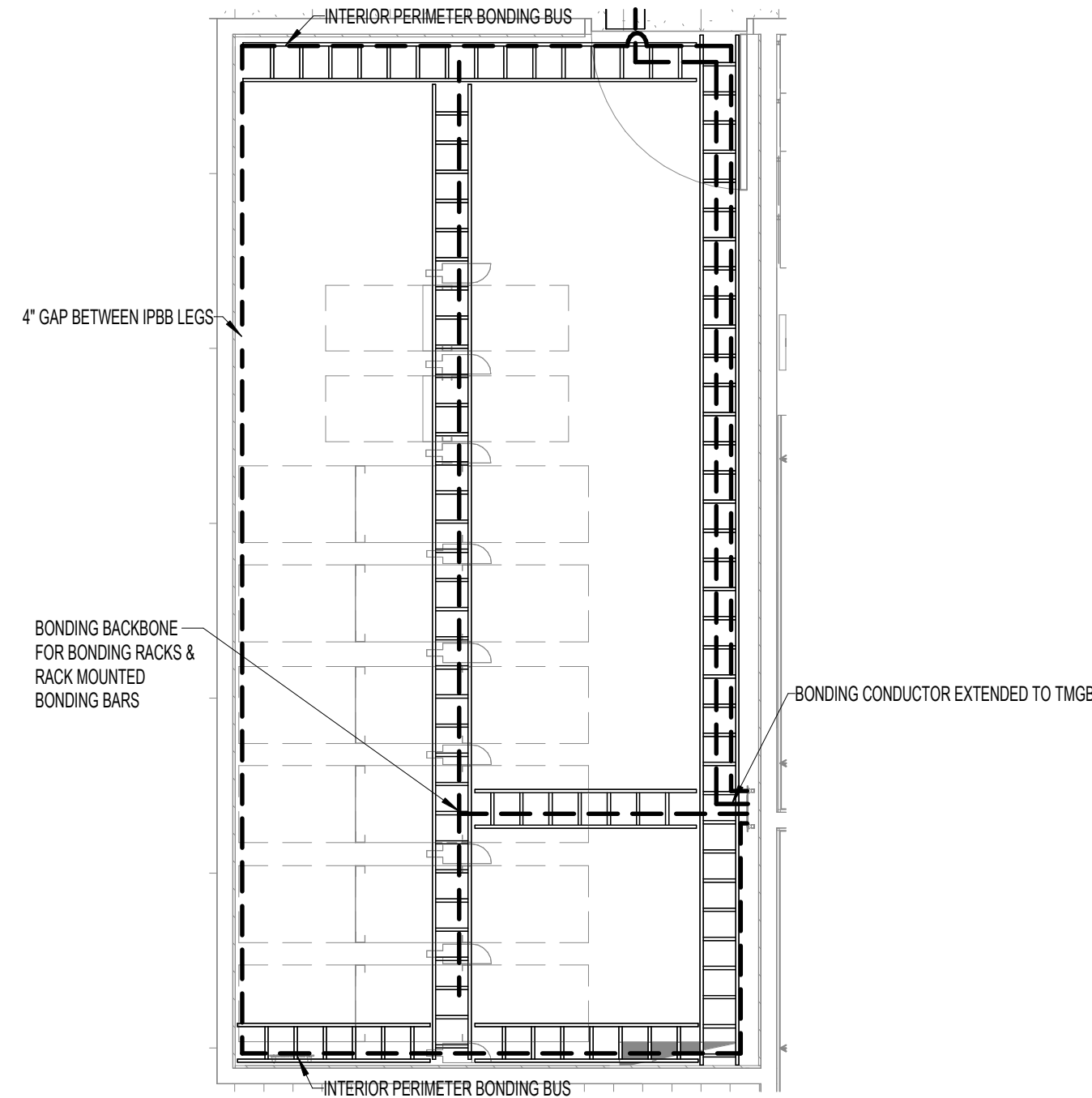
PROJECT NO. 21034
 DATE: OCTOBER 2024
 DRAWN BY: NBW
 CHECKED BY: NBW

DRAWING NO.:

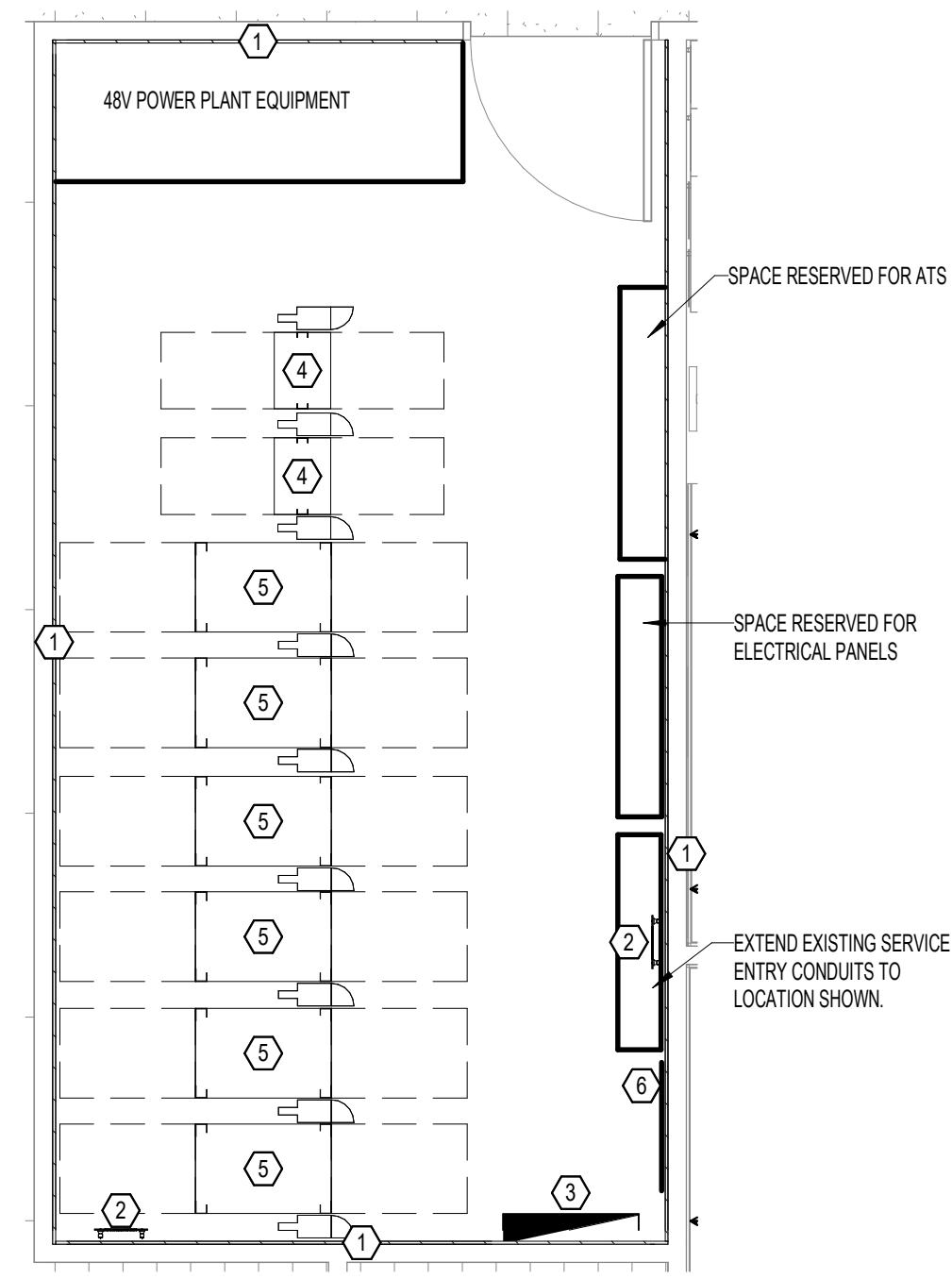
T201

Approved
State of Idaho
Division of Building Safety
These Documents are approved in contribution to the compliance with the mark-ups and notes applied.
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

- ### KEYNOTES
- 1 PROVIDE A/C PLYWOOD BACKBOARD WITH ALL VOIDS FILLED AND SANDED. PAINT WITH (2) COATS OF INTUMESCENT PAINT AND MOUNT WITH "X" SIDE OUT.
 - 2 PROVIDE GROUND BAR COMPLYING WITH R66 REQUIREMENTS. CONNECT TO FACILITY MASTER GROUND BAR USING BONDING CONDUCTOR SIZED PER R66.
 - 3 PROVIDE ACCESS CONTROL PANEL MATCHING OWNER'S STANDARD. PROVIDE DEDICATED 125V, 20 AMP CIRCUIT.
 - 4 PROVIDE 2-POST RACK WITH VERTICAL CABLE MANAGERS, (2) VERTICAL PDUS CONNECTED TO OUTLETS OVERHEAD. PROVIDE HORIZONTAL GROUND BAR. COORDINATE PDU SELECTION WITH ELECTRICAL.
 - 5 PROVIDE 4-POST RACK WITH VERTICAL CABLE MANAGERS, (2) VERTICAL PDUS CONNECTED TO OUTLETS OVERHEAD. PROVIDE HORIZONTAL GROUND BAR. COORDINATE PDU SELECTION WITH ELECTRICAL.
 - 6 PROVIDE CATV DISTRIBUTION EQUIPMENT. COORDINATE WITH ELECTRICAL TO PROVIDE A QUAD OUTLET AT LOCATION SHOWN.



2 ENLARGED PLAN - DATA 144 - CABLE TRAY
1/4" = 1'-0"



1 ENLARGED PLAN - DATA 144 - EQUIPMENT PLAN
1/4" = 1'-0"

Emory Neal Boothe, P.E.
Idaho License #19336

PROFESSIONAL ENGINEER
LICENSED
19336
STATE OF IDAHO
EMORY NEAL BOOHE, P.E.

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(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

SHEET TITLE:
ENLARGED PLANS

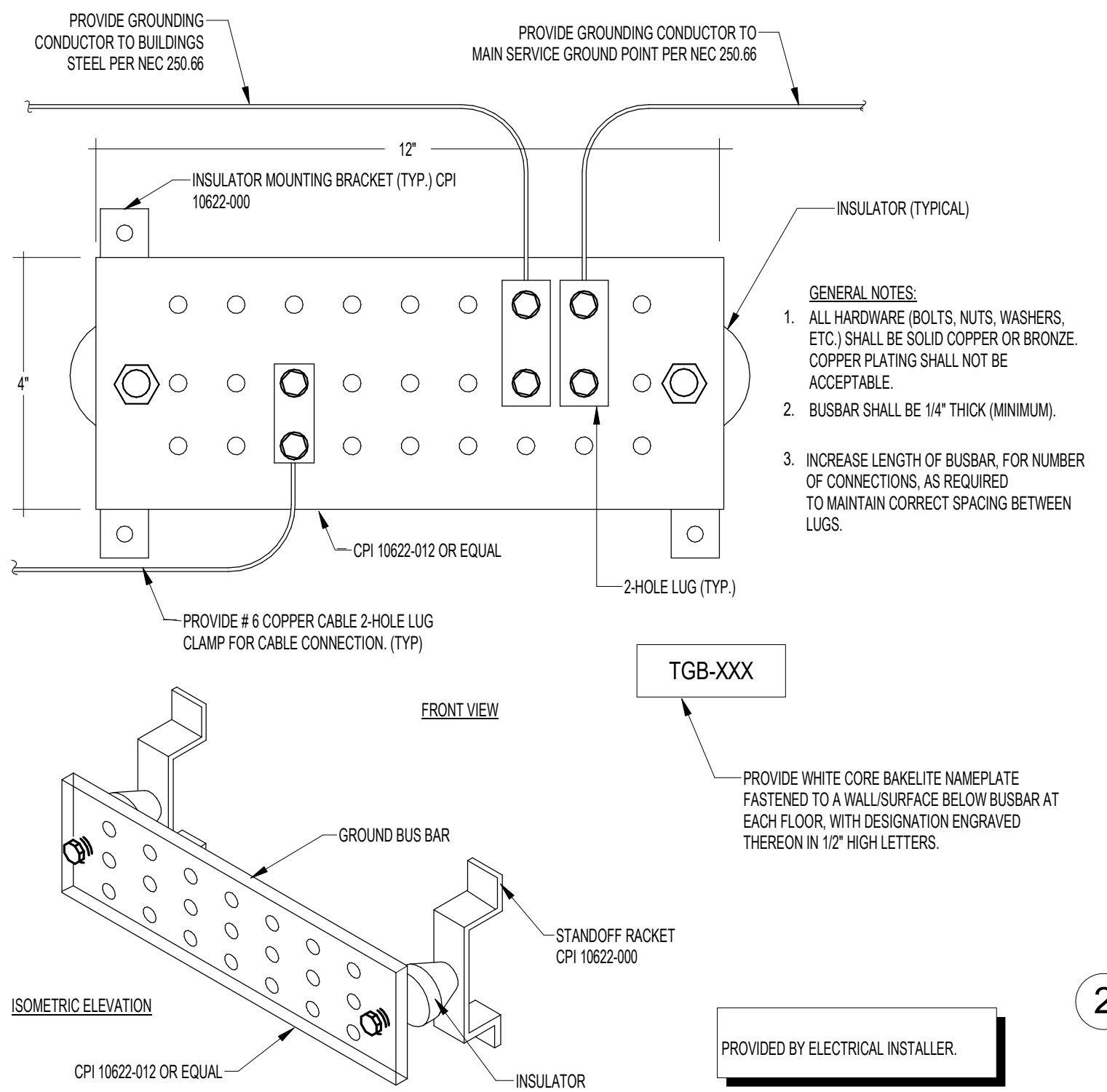
REVISIONS

NO.	DESCRIPTION

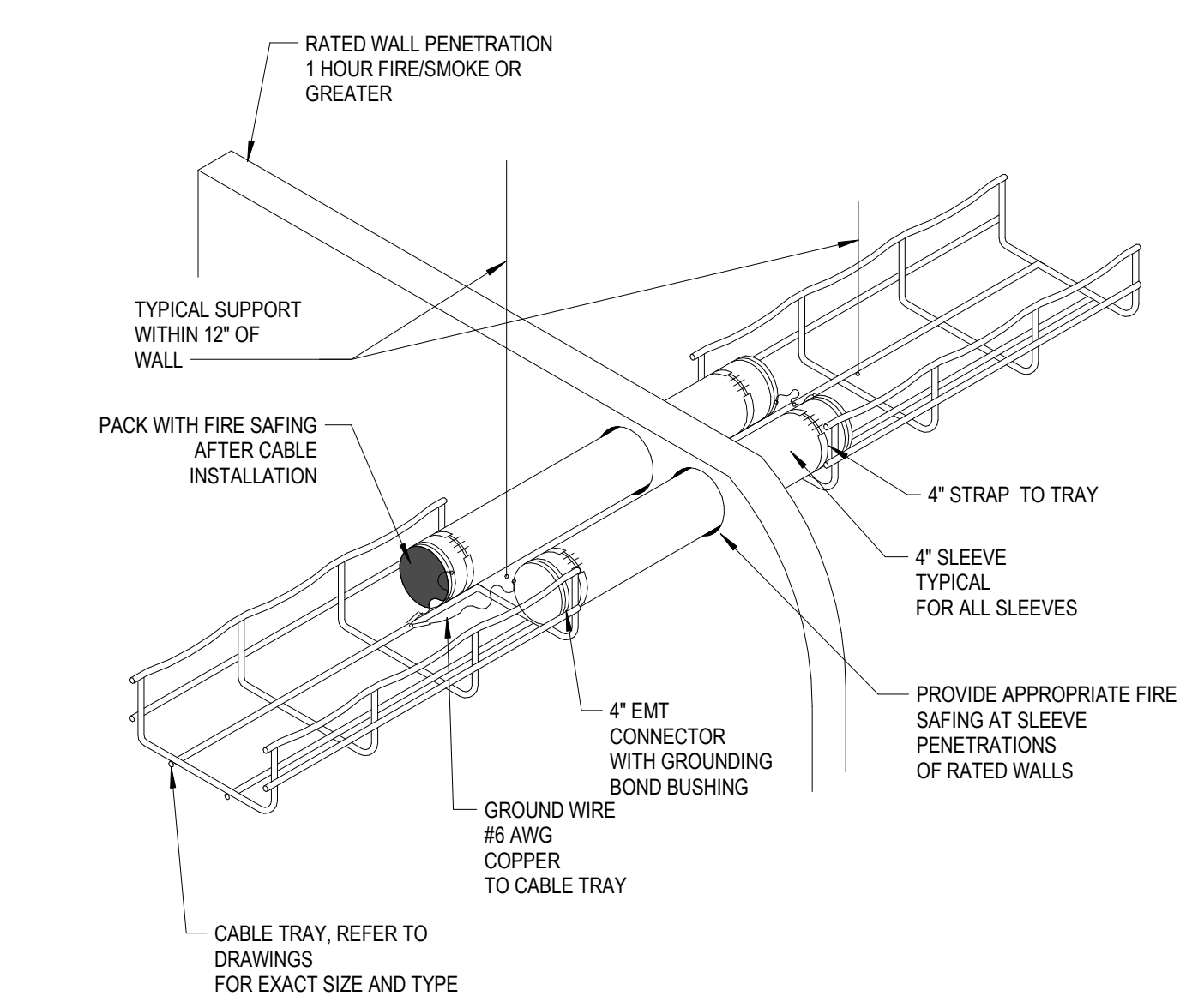
PROJECT NO.
21034
DATE:
OCTOBER 2024
DRAWN BY:
NBW
CHECKED BY:
NBW

DRAWING NO.:
T401

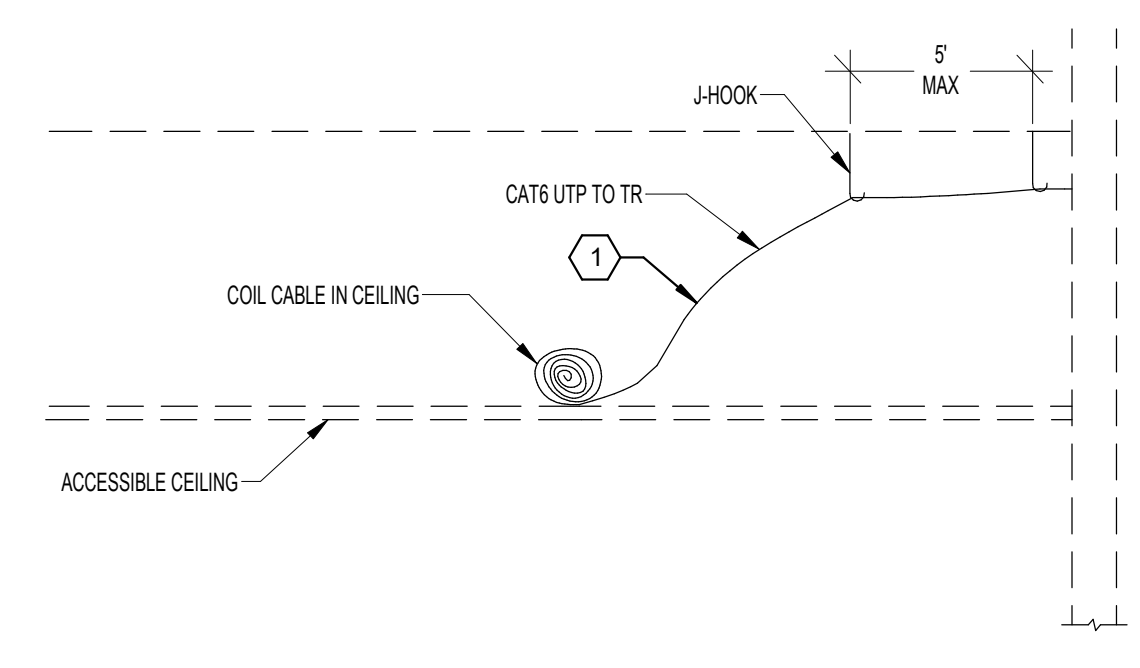
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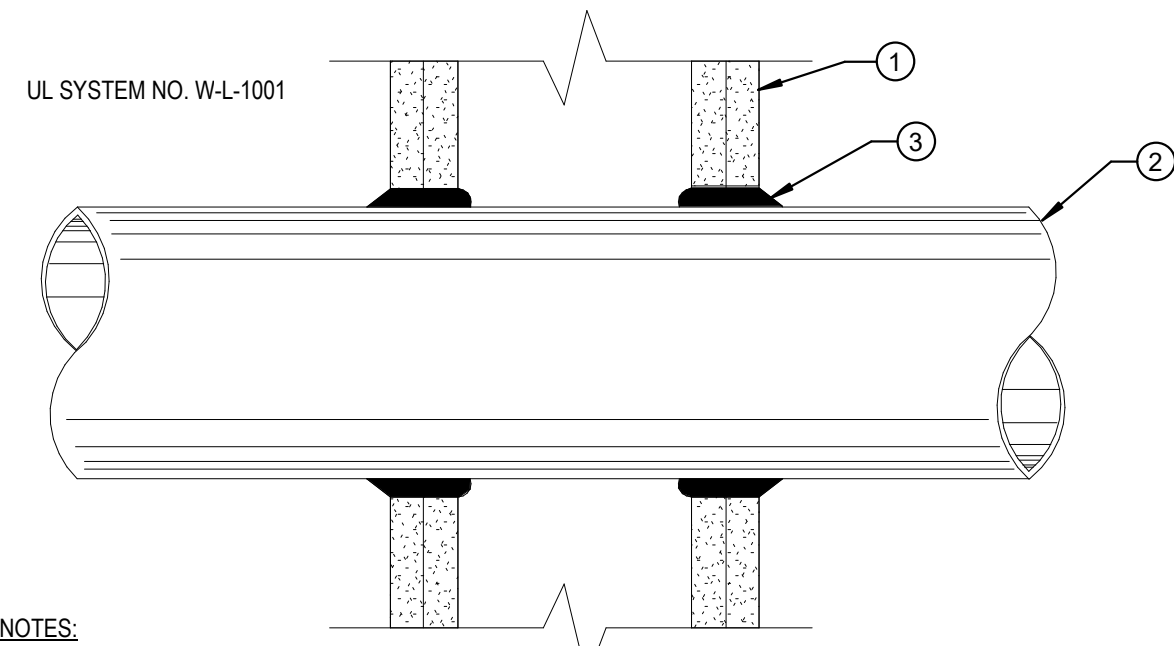
3 GROUND BUSBAR (TYPICAL FOR ALL TR'S)
 12" = 1'-0"



6 CABLE TRAY WALL PENETRATION
 12" = 1'-0"



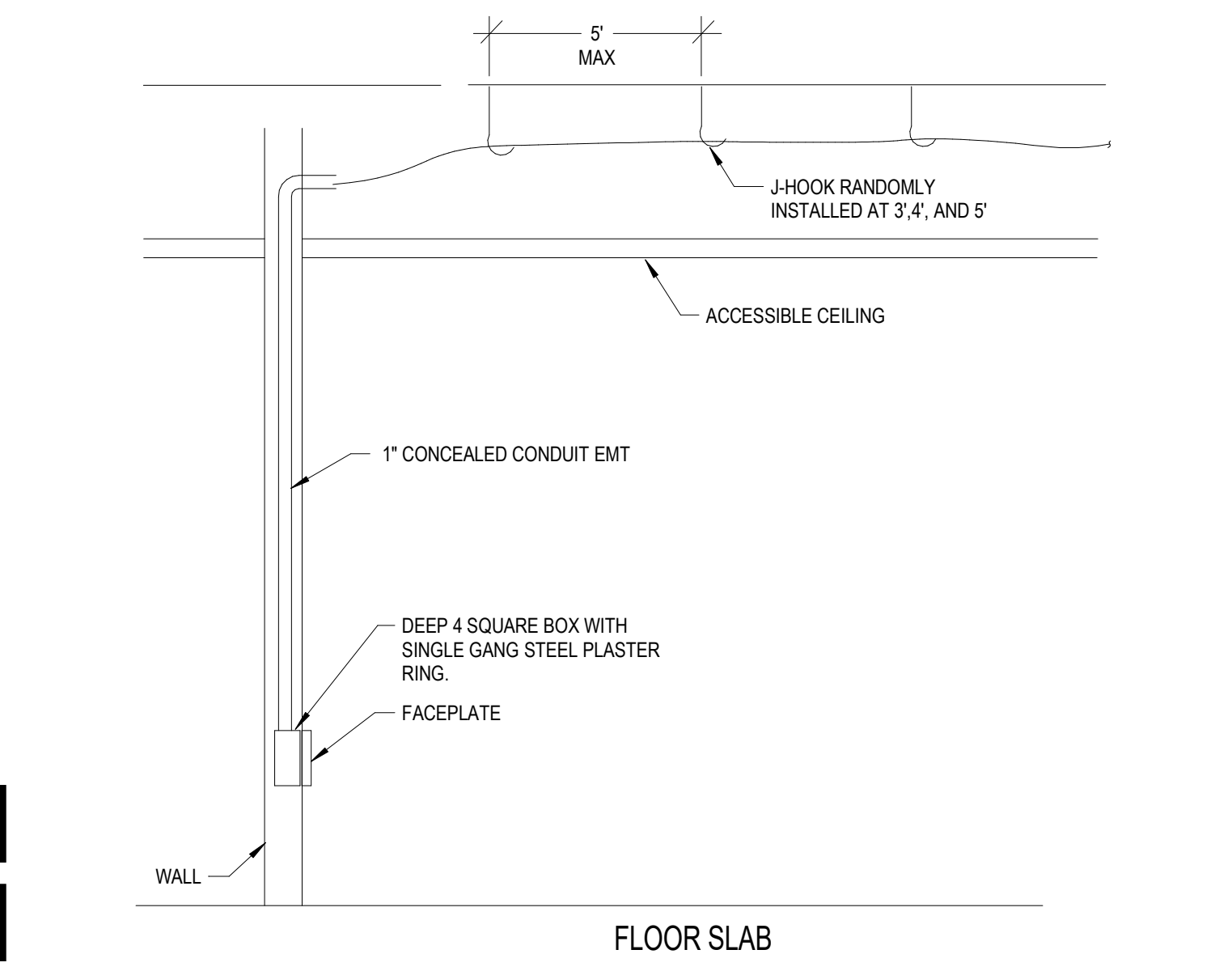
2 OUTLET MOUNTING FOR WIRELESS ACCESS POINT
 12" = 1'-0"



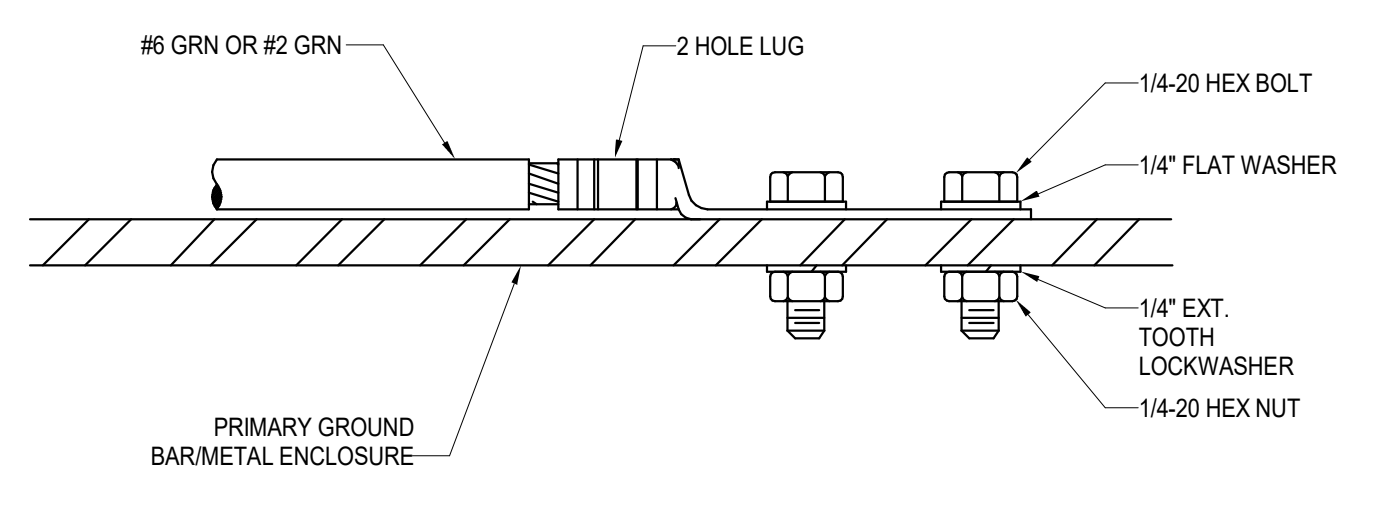
- DETAIL NOTES:**
- WALL ASSEMBLY - THE 1, 2, 3, OR 4 HOUR FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY.
 - CONDUIT - NOM 4" DIAMETER OR SMALLER STEEL ELECTRICAL METALLIC TUBING. A MAXIMUM OF ONE CONDUIT IS PERMITTED IN THE FIRE STOP SYSTEM. CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
 - FILL VOID OR CAVITY MATERIAL - CAULK FILL MATERIAL BEARING THE UL CLASSIFICATION MARKING INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN. 1/4" DIAMETER BEAD OF CAULK APPLIED TO PERIMETER OF CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRE STOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRE STOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAXIMUM CONDUIT DIAMETER IN INCHES	ANNULAR SPACE IN INCHES	FIRE RATING IN HOURS	T RATING IN HOURS
1	0 TO 3/16	1 OR 2	0, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1-1/2	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

5 CONDUIT PENETRATION OF FIRE WALL
 12" = 1'-0"

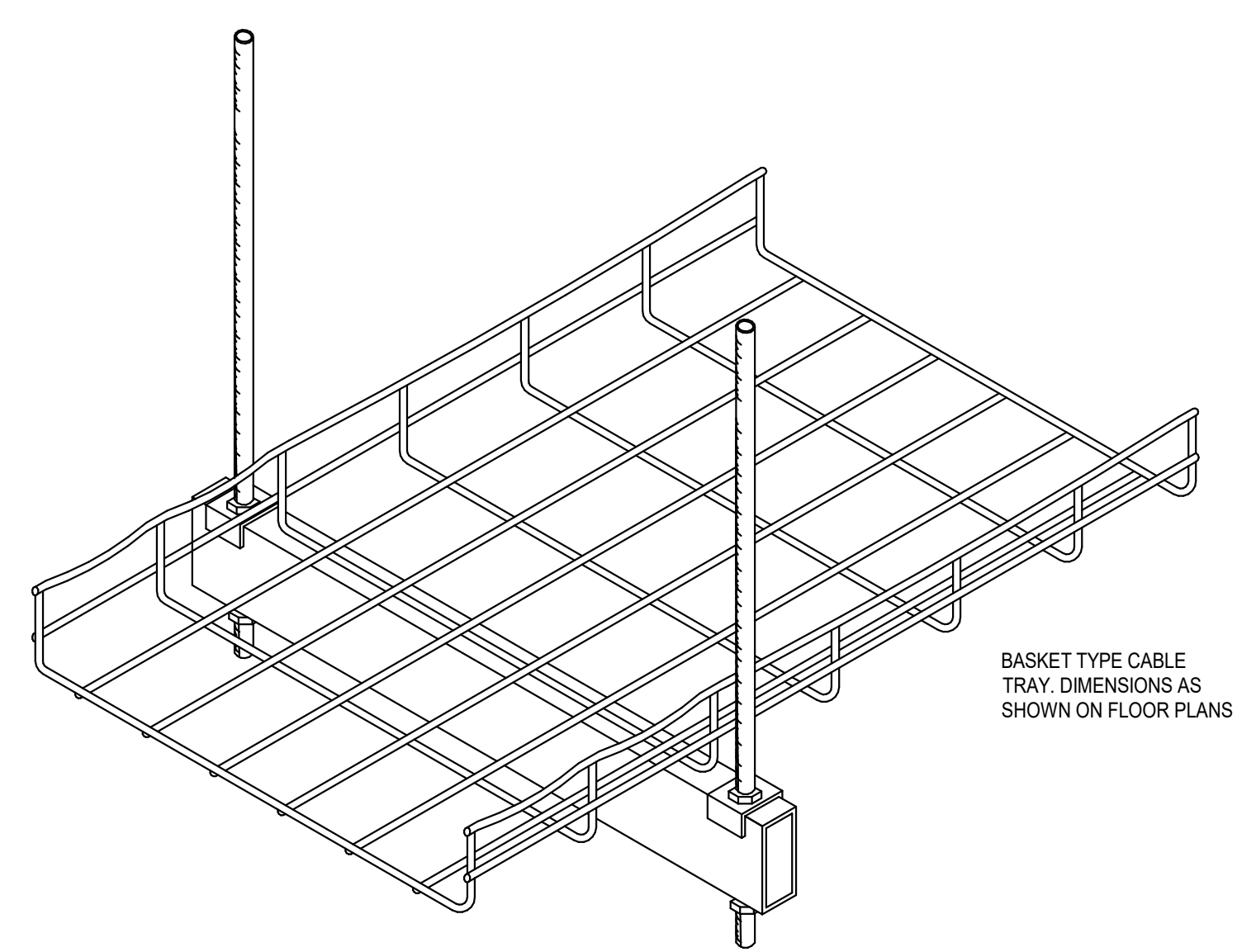


1 TYPICAL FLUSH MOUNT OUTLET (CONCEALED CONDUIT)
 12" = 1'-0"



- INSTALLATION NOTES:**
- SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
 - BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
 - APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
 - USE SOLID COPPER WIRE AND MECHANICAL 2-HOLE LUG FOR ALL EXTERIOR GROUNDING.

4 GROUND BAR 2-LUG TERMINATION
 1" = 1'-0"



7 CABLE TRAY
 1" = 1'-0"

REVISIONS

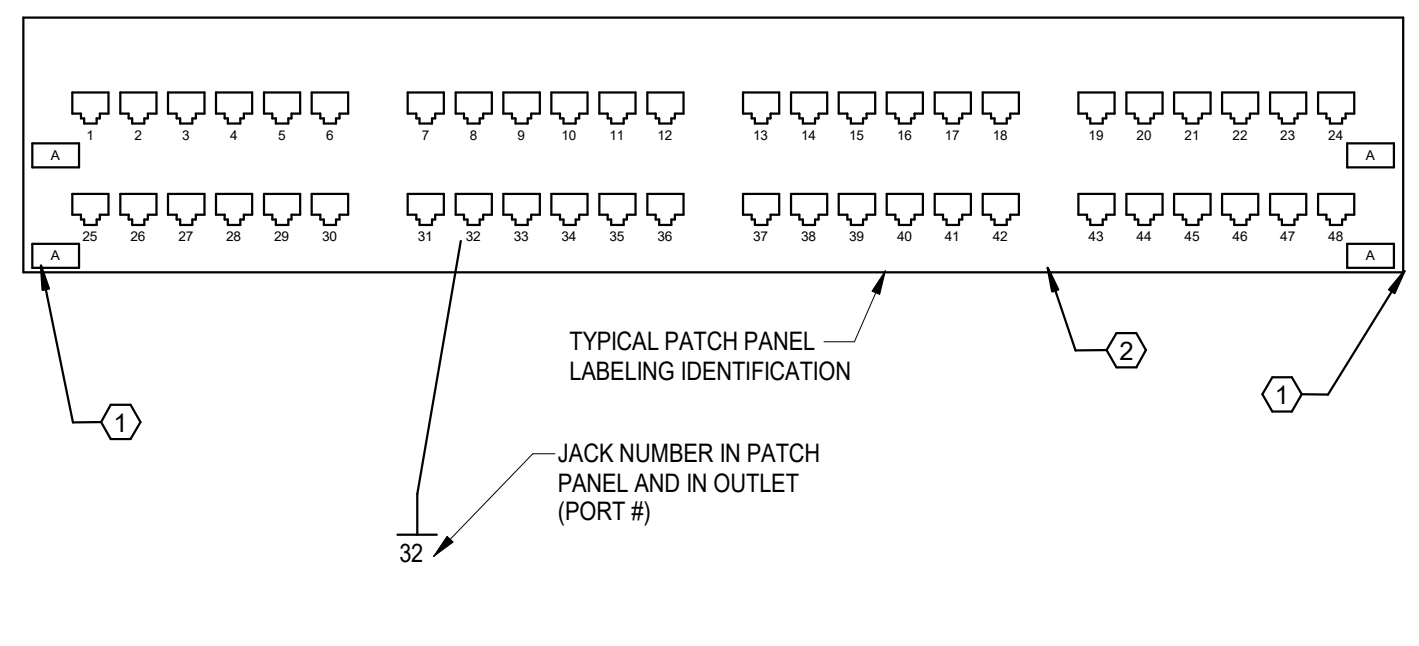
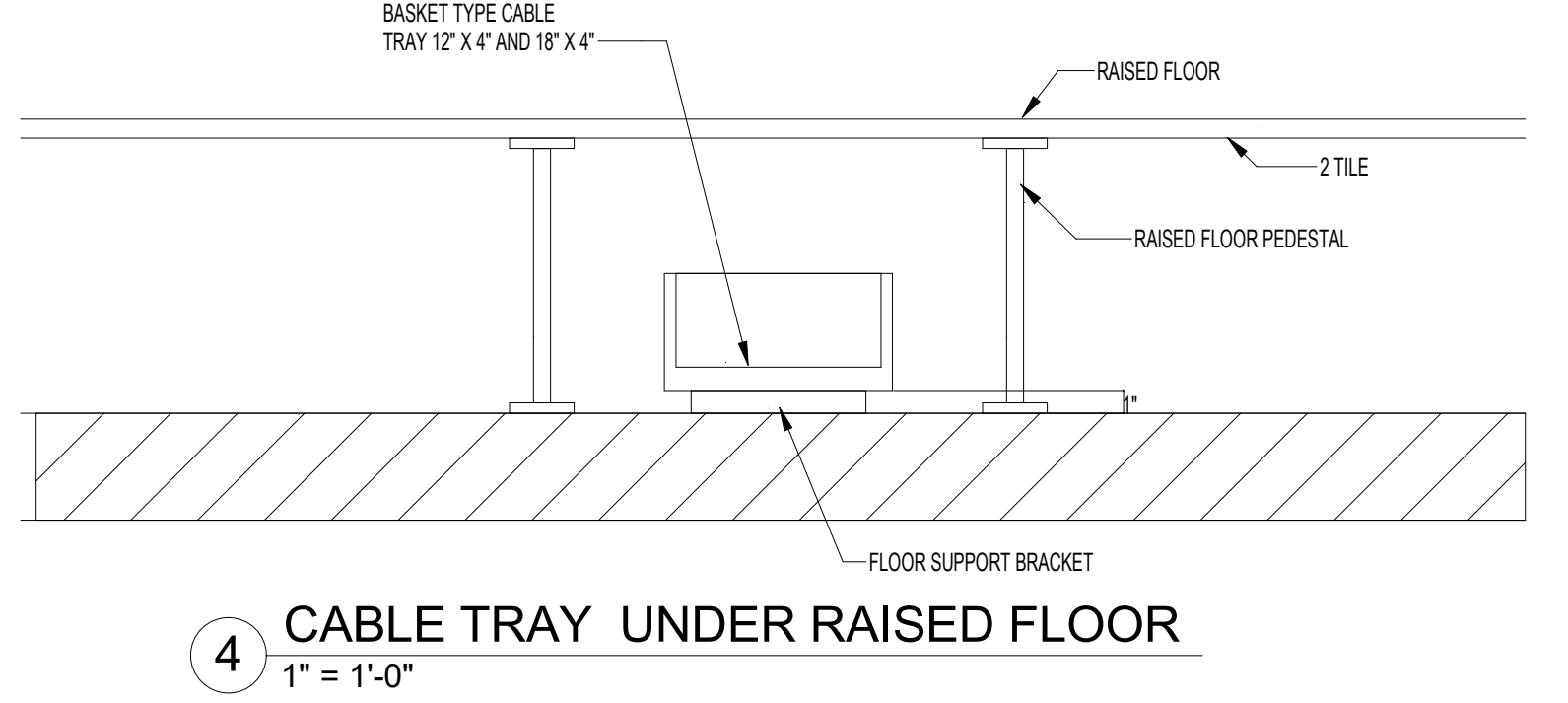
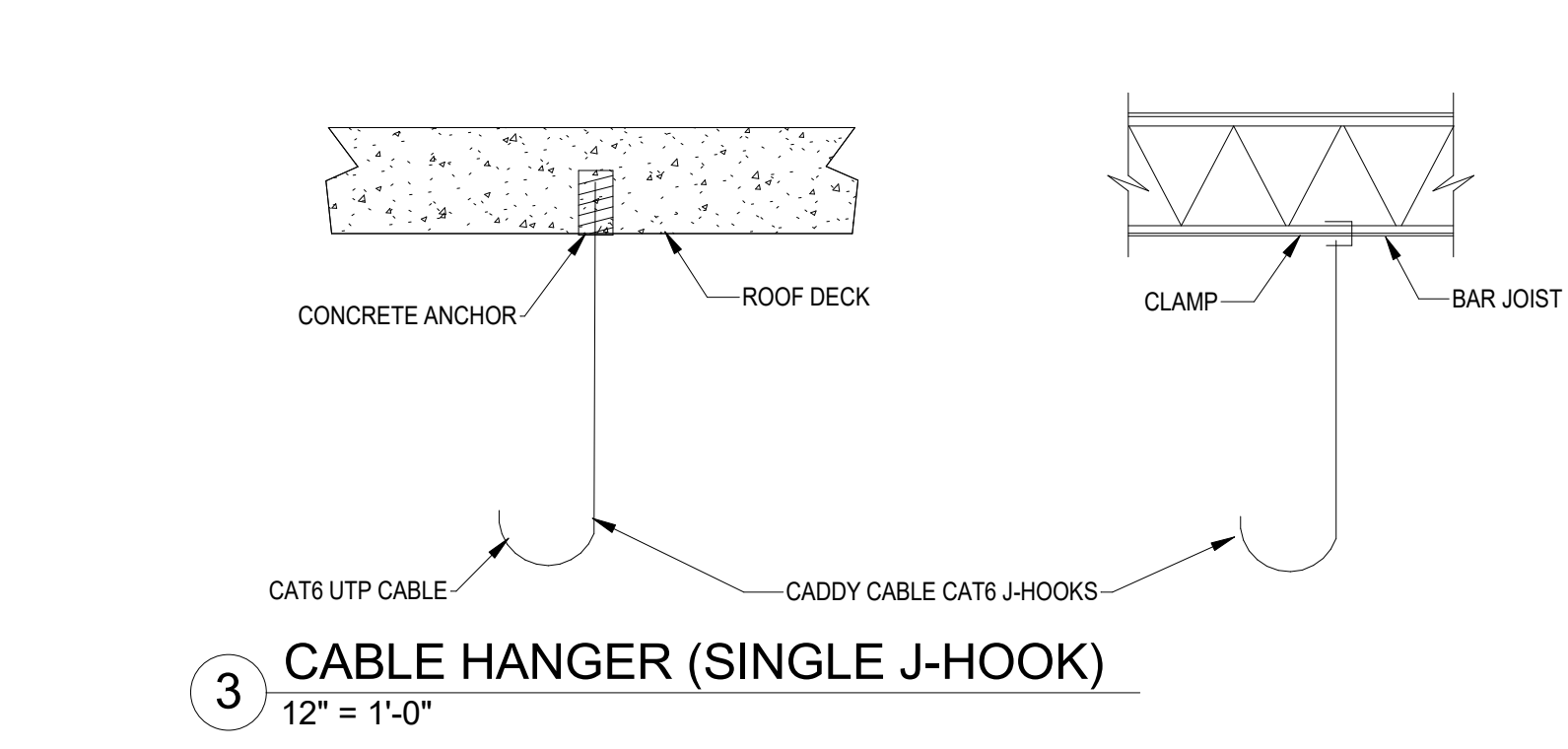
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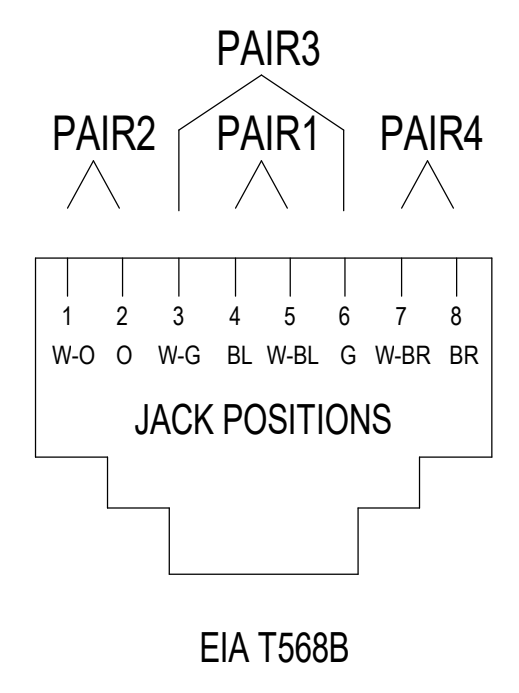
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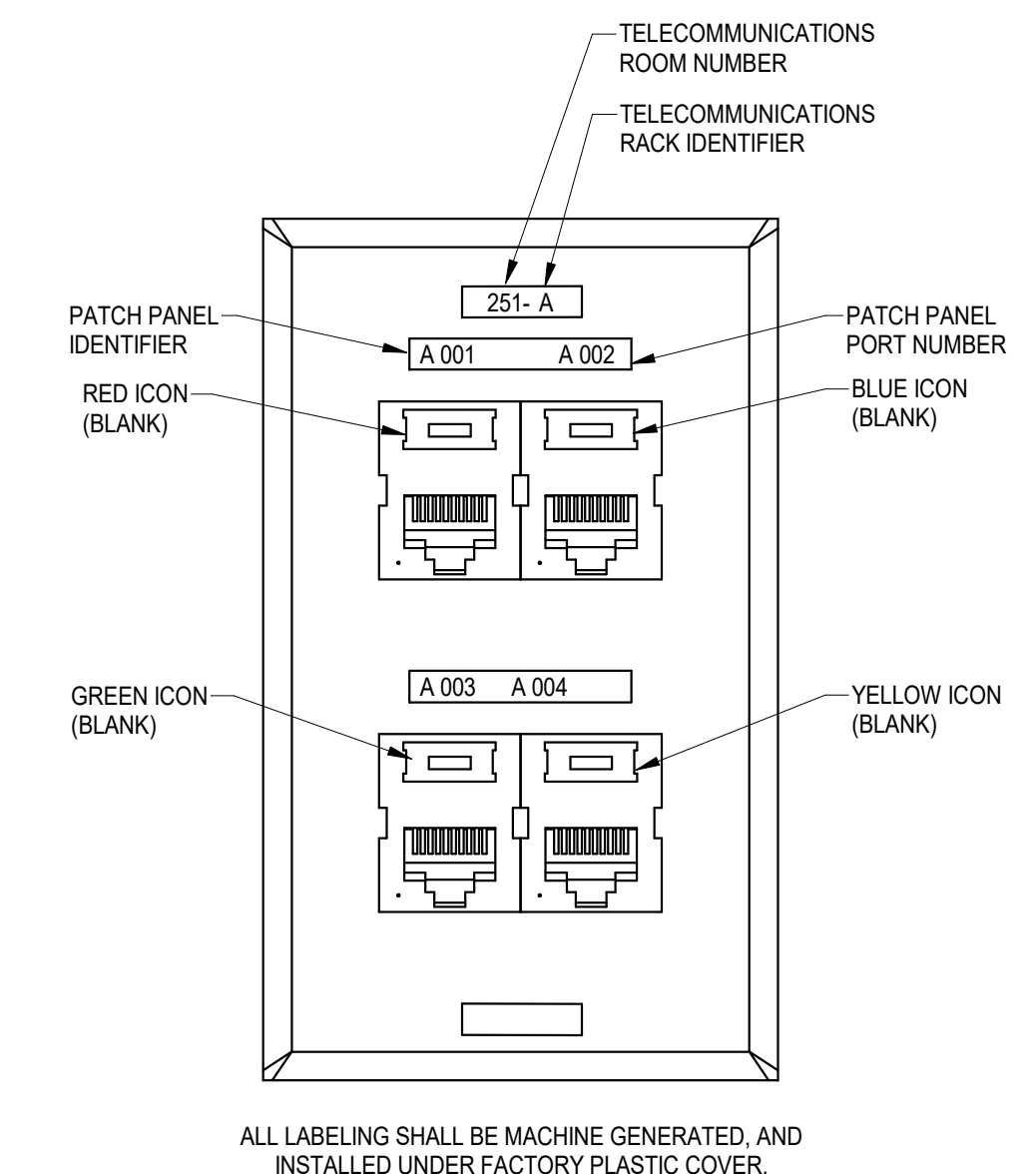


NOTES:

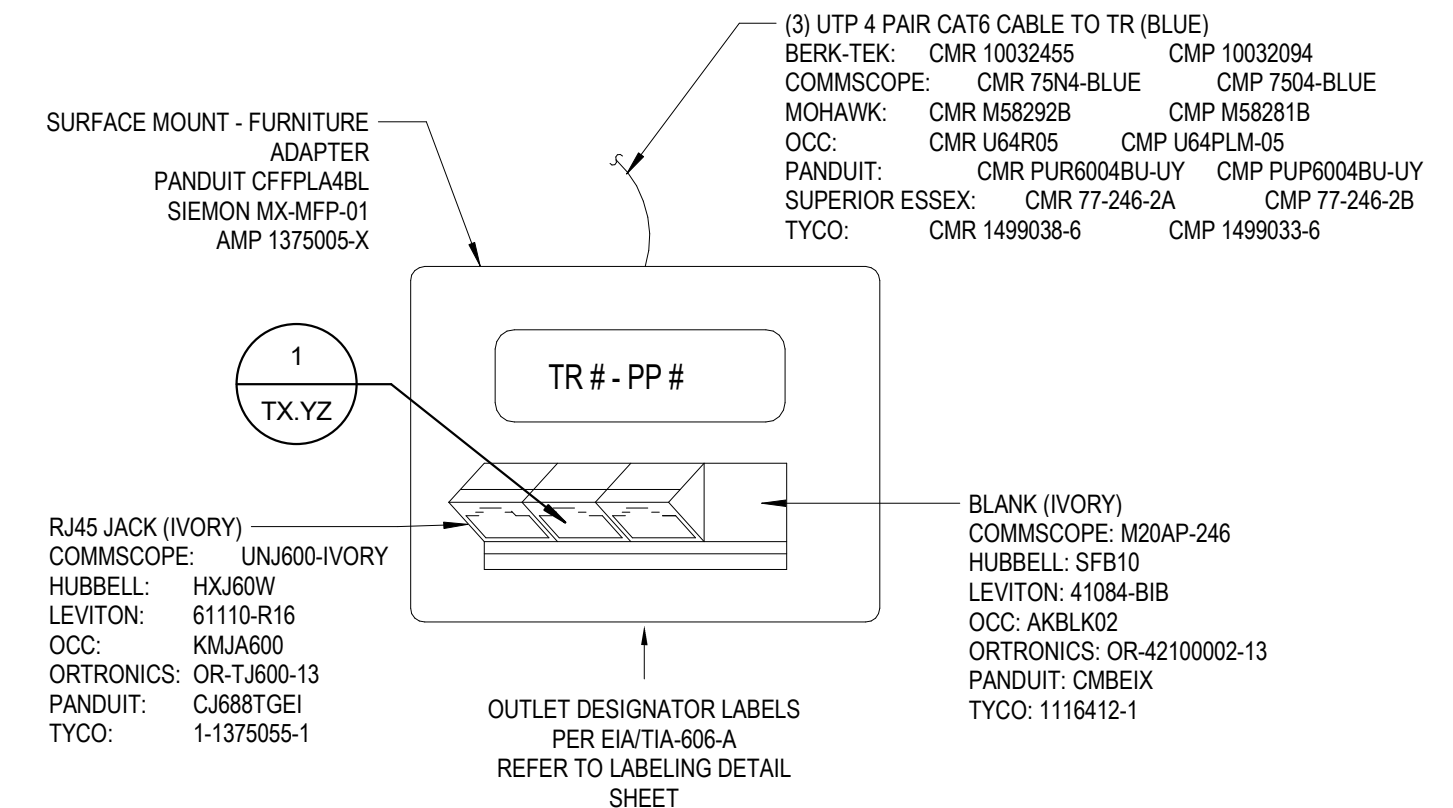
- PATCH PANELS WILL BE # A.B.C. ETC. FOR THE NUMBER OF PANEL REQUIRED PER RACK.
- PROVIDE 2RU HORIZONTAL WIRE MANAGER BETWEEN EACH PATCH PANEL.



7 MODULAR JACK WIRING DETAIL
 12" = 1'-0"

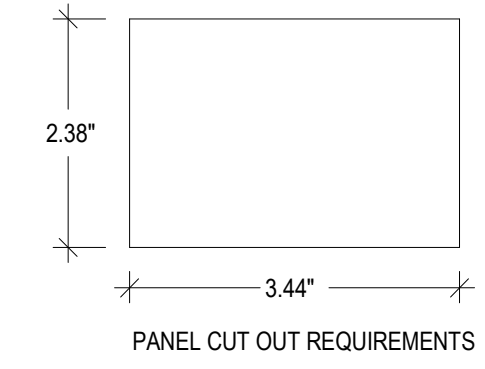


11 TYPICAL WORK AREA OUTLET LABEL
 1" = 1'-0"



M12

NOTE:
 COORDINATE WITH INTERIOR DESIGN ARCHITECT FOR PANEL CUTOUT REQUIREMENTS.



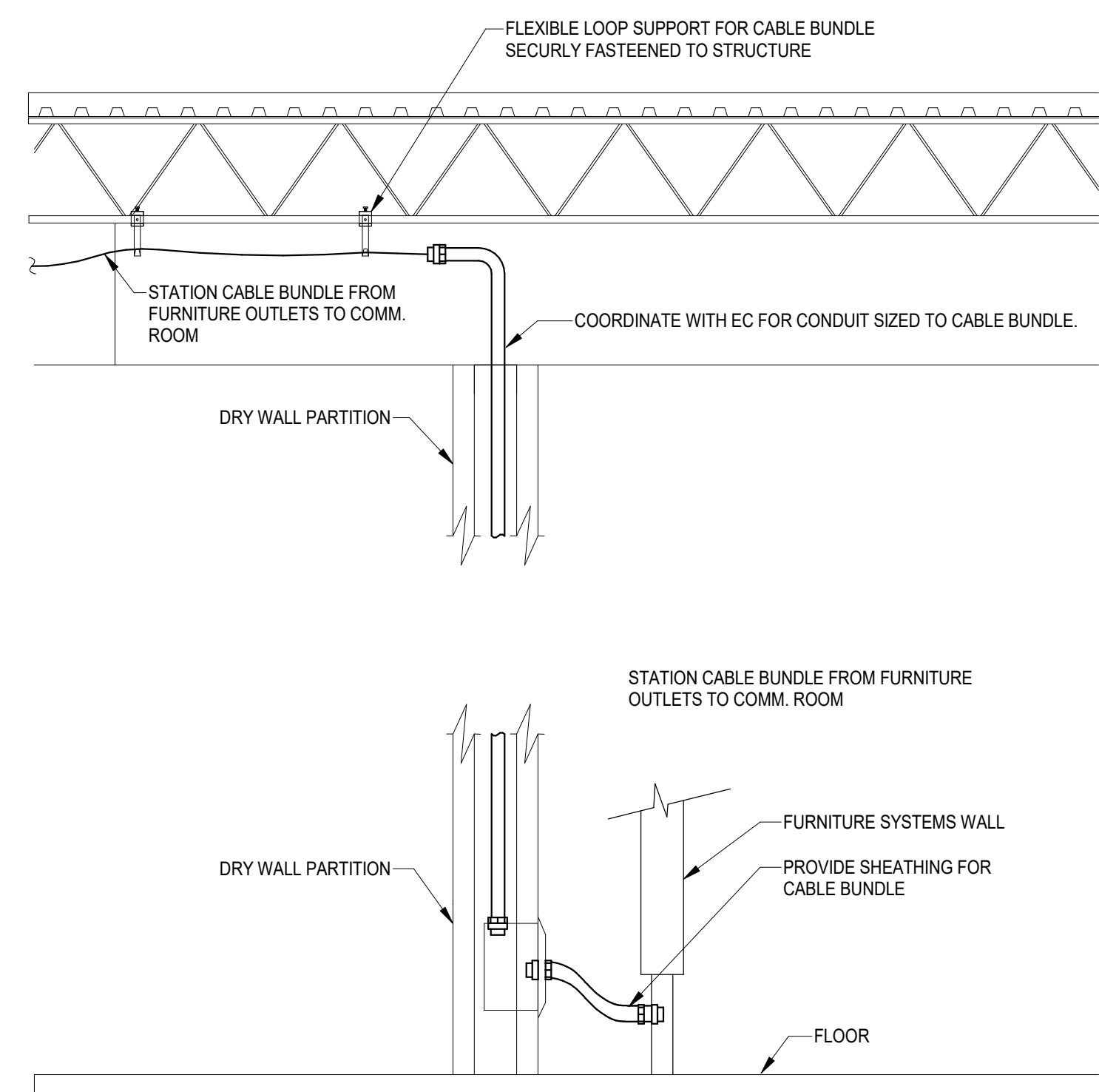
2 MODULAR FURNITURE OUTLET - VOICE/DATA
 12" = 1'-0"

GROUNDING RISER NOTES

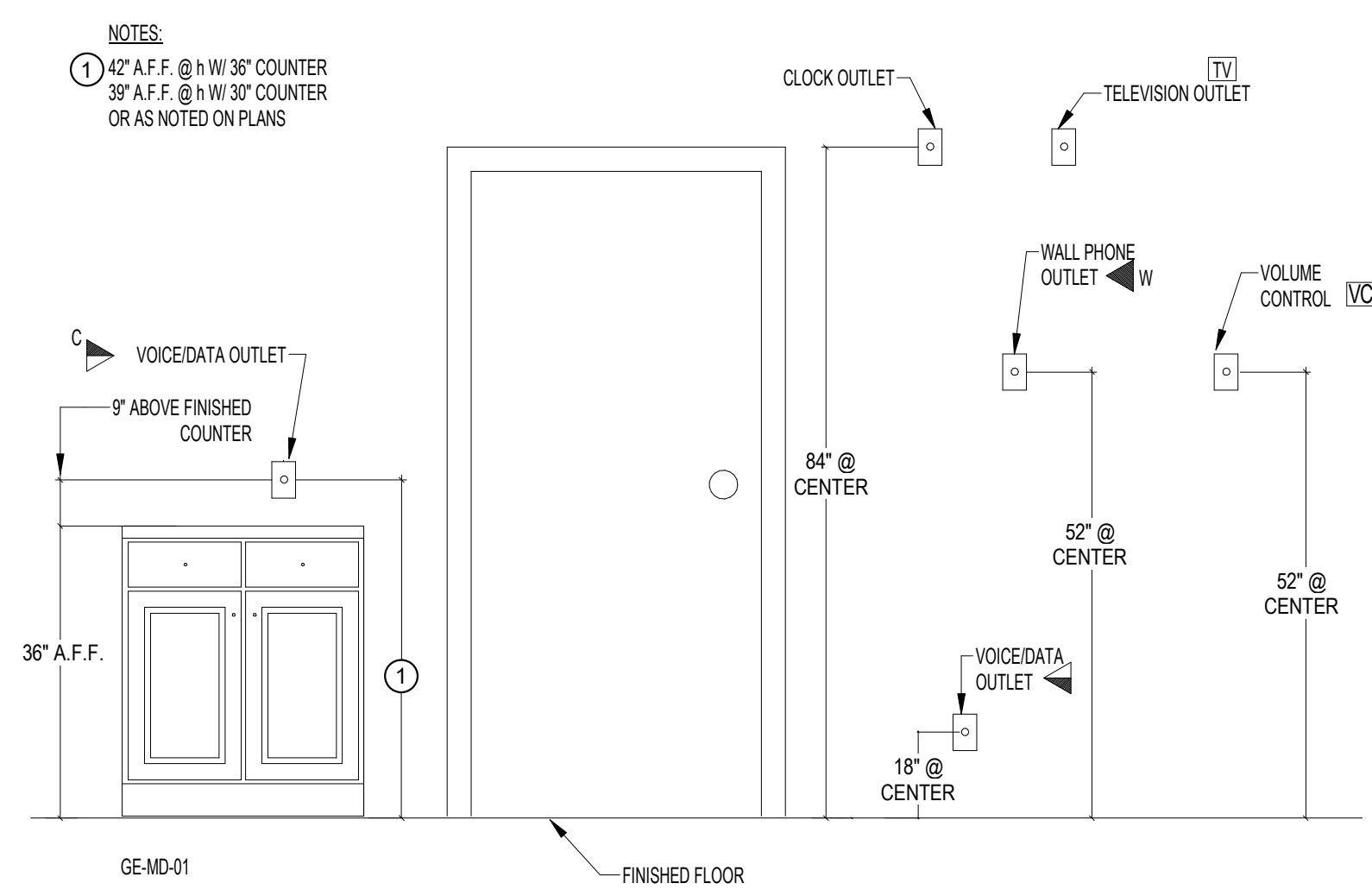
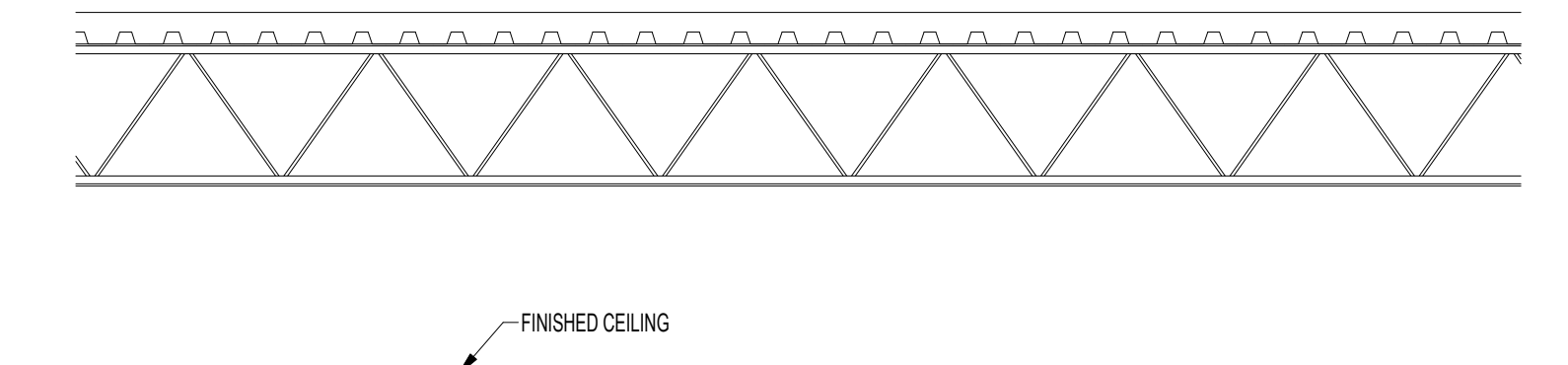
- ALL EQUIPMENT SHALL BE GROUNDED ACCORDING TO MOTOROLA R56 STANDARDS
- ALL GROUND CABLE SHALL BE PLENUM RATED
- ALL GROUND CABLE SHALL BE OF APPROPRIATE GAUGE FOR THE DISTANCE IT IS RUN. REFERENCE TABLE FOR LENGTHS AND GAUGES.

TBB LENGTH LINEAR M (FT)	TBB SIZE AWG
LESS THAN 13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
66	3/0

6 GROUNDING CABLE DISTANCE CHART
 12" = 1'-0"



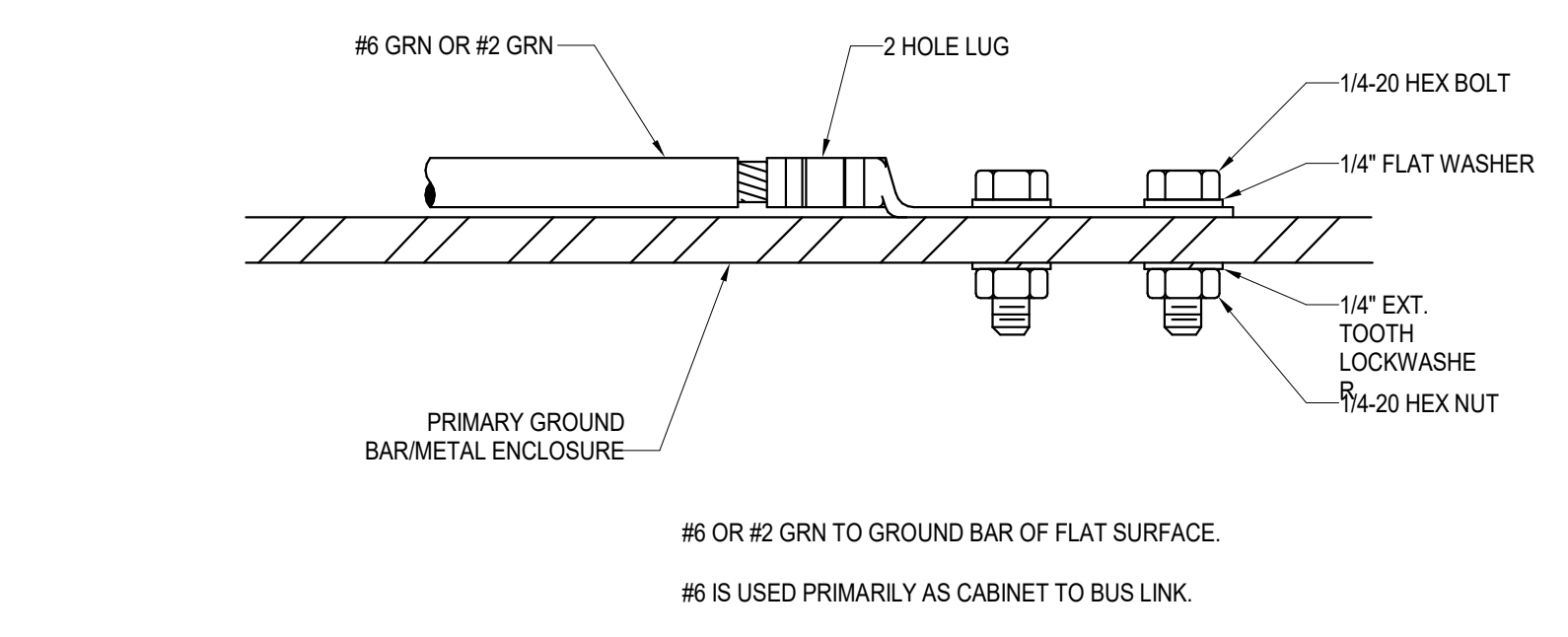
10 TYPICAL FURNITURE SYSTEMS FEED
 1" = 1'-0"



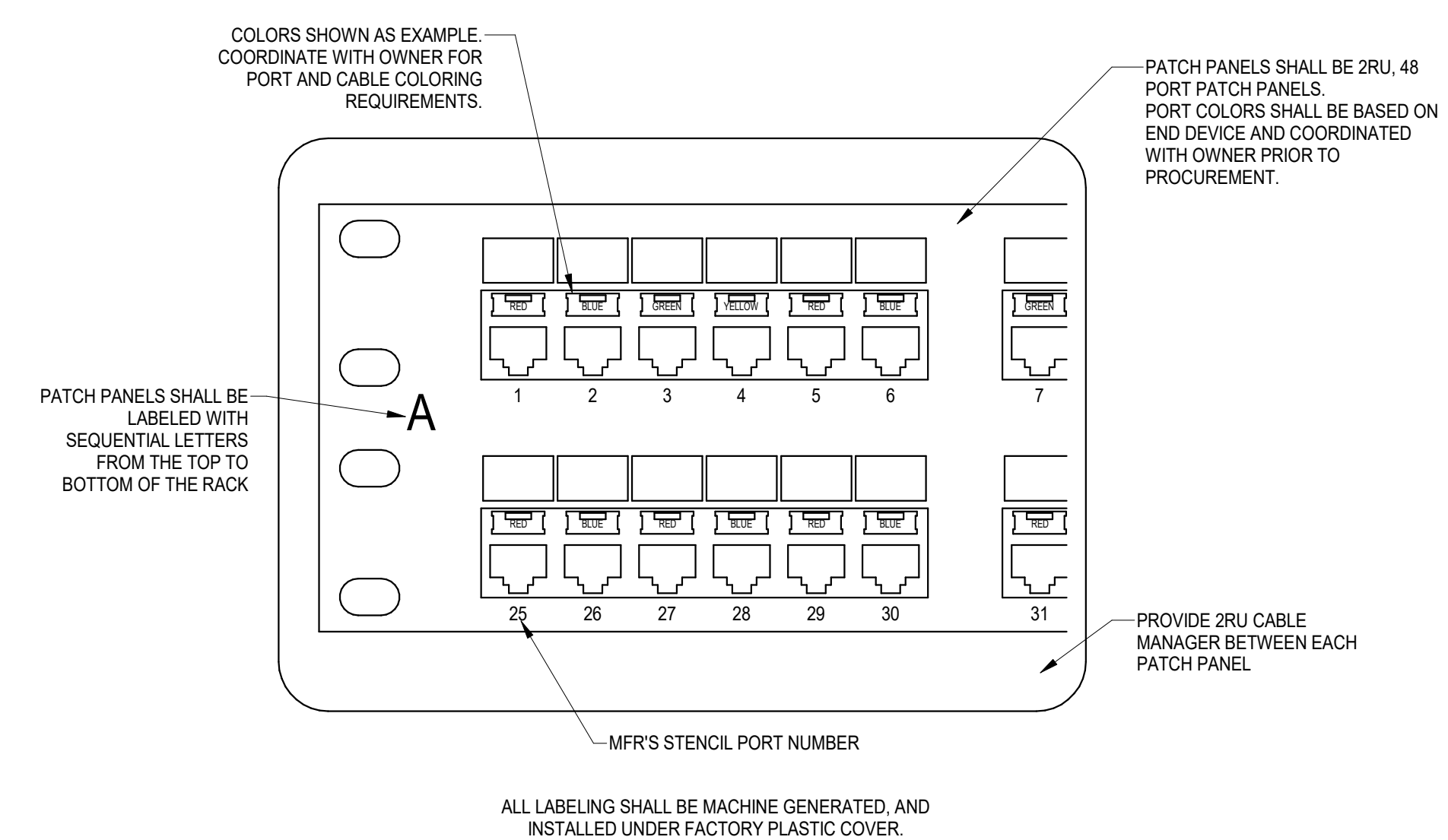
INSTALLATION NOTES:

- SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
- BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
- APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
- USE SOLID COPPER WIRE AND MECHANICAL 2-HOLE LUG FOR ALL EXTERIOR GROUNDING.

1 TYPICAL SYSTEMS OUTLET MOUNTING HEIGHTS
 1" = 1'-0"



5 GROUND BAR 2-LUG TERMINATION
 1" = 1'-0"



9 TYPICAL COOPER PATCH PANEL LABELING
 1" = 1'-0"

REVISIONS

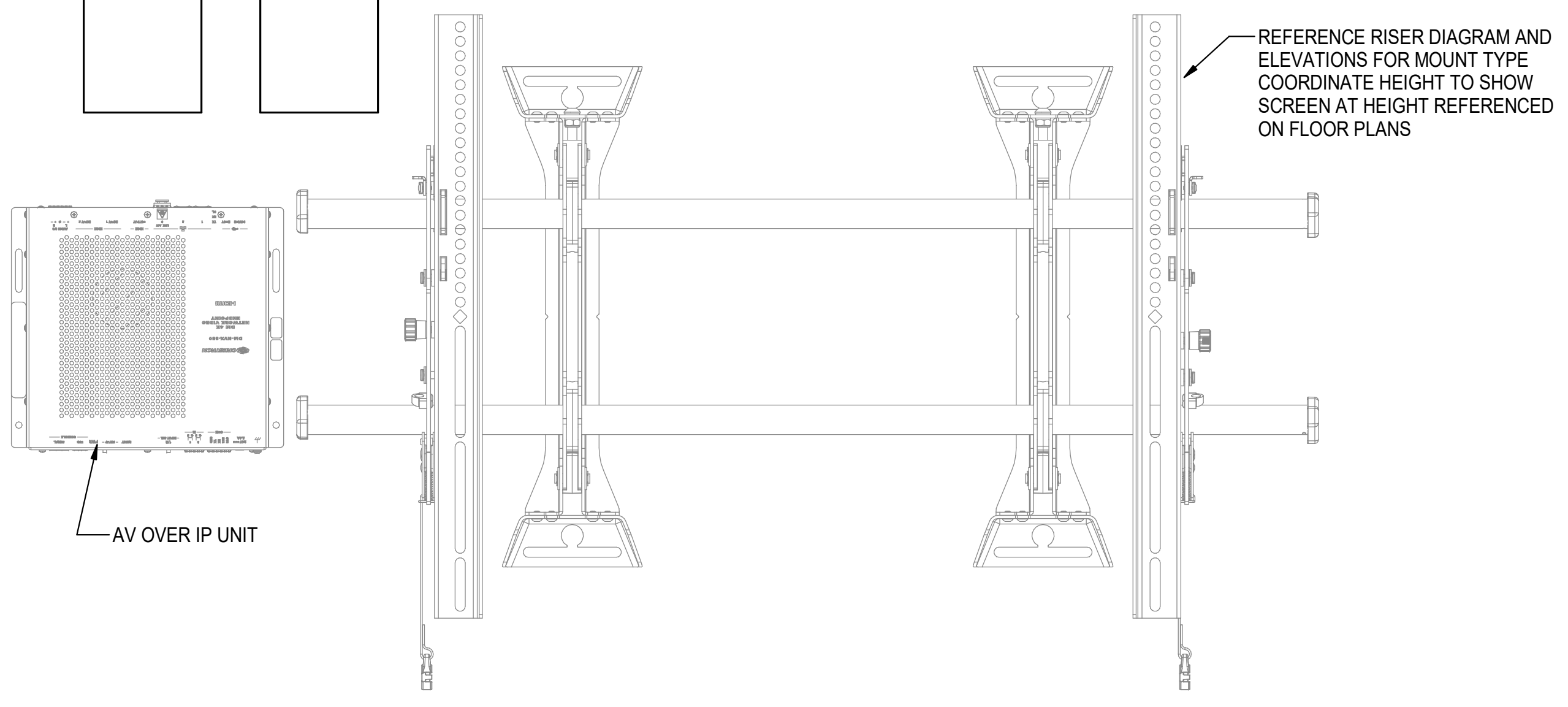
NO.	DESCRIPTION

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These Documents are approved in contribution to the compliance with the Division of Building Safety

1" CONDUIT TO ABOVE CEILING SPACE FOR DATA CABLING

QUAD OUTLET

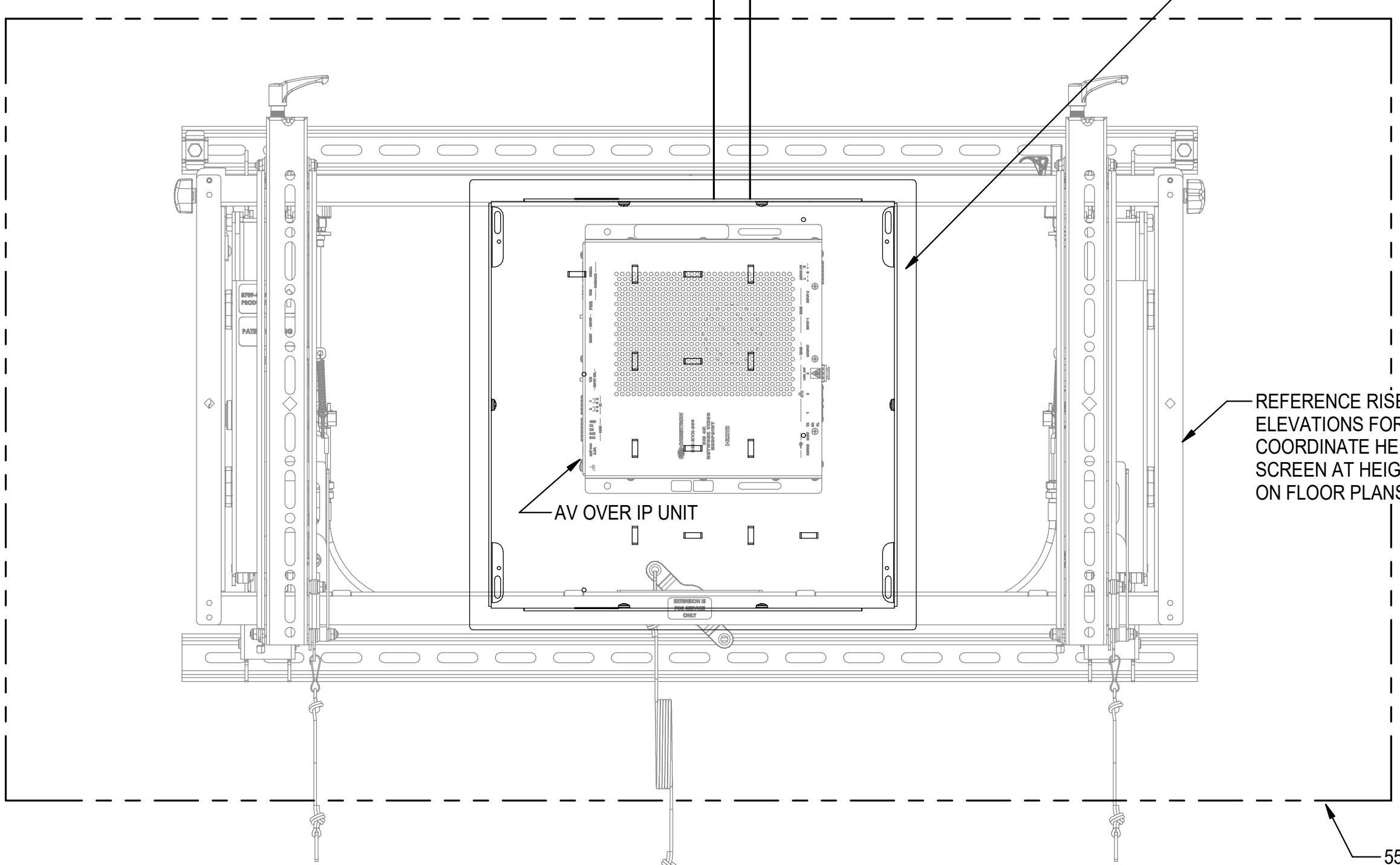


AV OVER IP UNIT

REFERENCE RISER DIAGRAM AND ELEVATIONS FOR MOUNT TYPE COORDINATE HEIGHT TO SHOW SCREEN AT HEIGHT REFERENCED ON FLOOR PLANS

1" CONDUIT TO ABOVE CEILING SPACE FOR DATA CABLING

DUPLEX OUTLETS



AV OVER IP UNIT

REFERENCE RISER DIAGRAM AND ELEVATIONS FOR MOUNT TYPE COORDINATE HEIGHT TO SHOW SCREEN AT HEIGHT REFERENCED ON FLOOR PLANS

SEE FLOOR PLANS AND AV RISER FOR DEVICE SPECIFICATIONS.

PROVIDE BACKING PER DETAIL

55" SCREEN OUTLINE SHOWN FOR REFERENCE. ATTACH TO MOUNT CENTERED AND LEVEL.

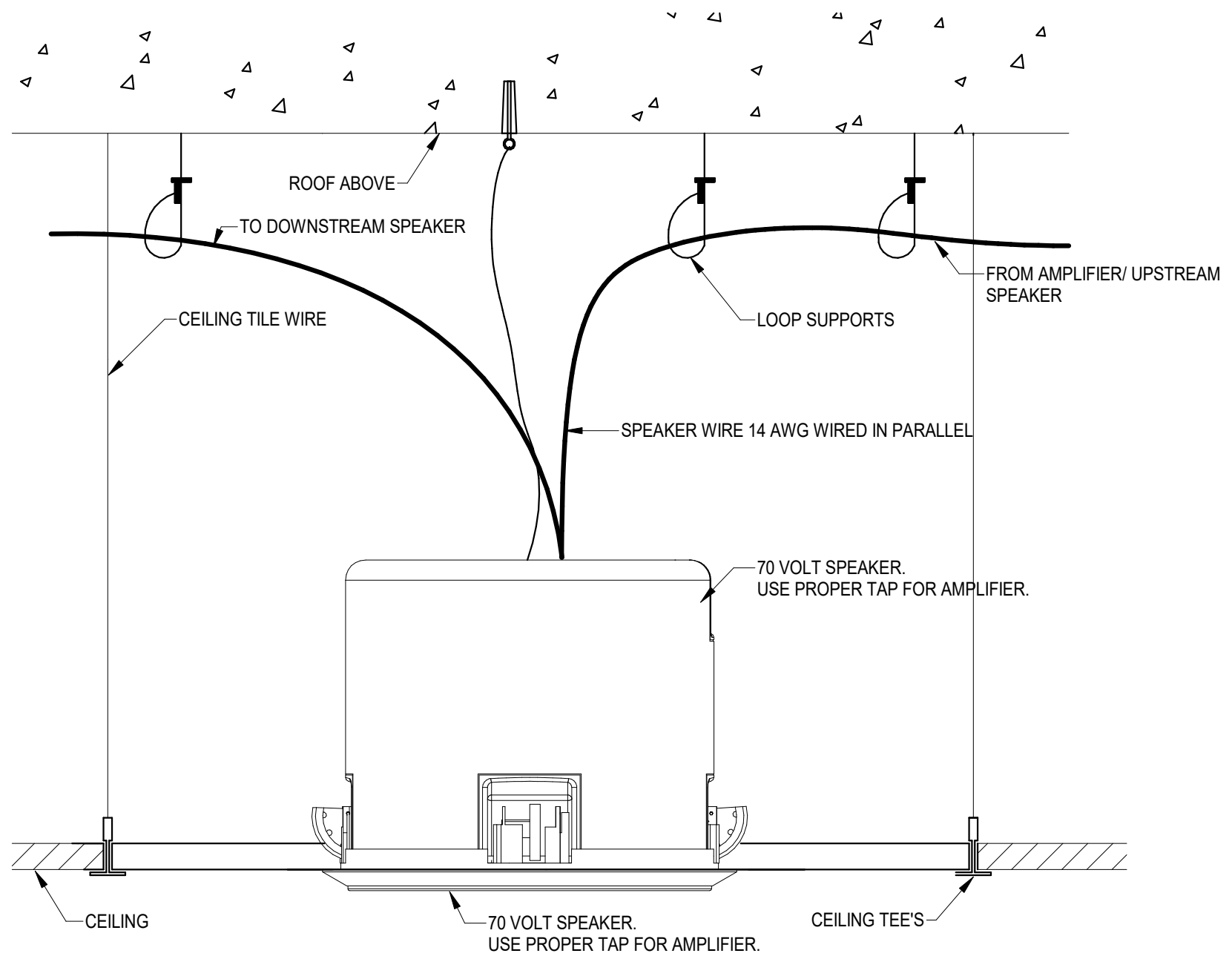
1 55" VIDEO WALL MOUNTING DETAIL
3" = 1'-0"

SEE FLOOR PLANS AND AV RISER FOR DEVICE SPECIFICATIONS.

PROVIDE BACKING IN WALL FOR DISPLAY MOUNT

70" SCREEN OUTLINE SHOWN FOR REFERENCE. ATTACH TO MOUNT CENTERED AND LEVEL.

2 70" MONITOR MOUNTING DETAIL
3" = 1'-0"

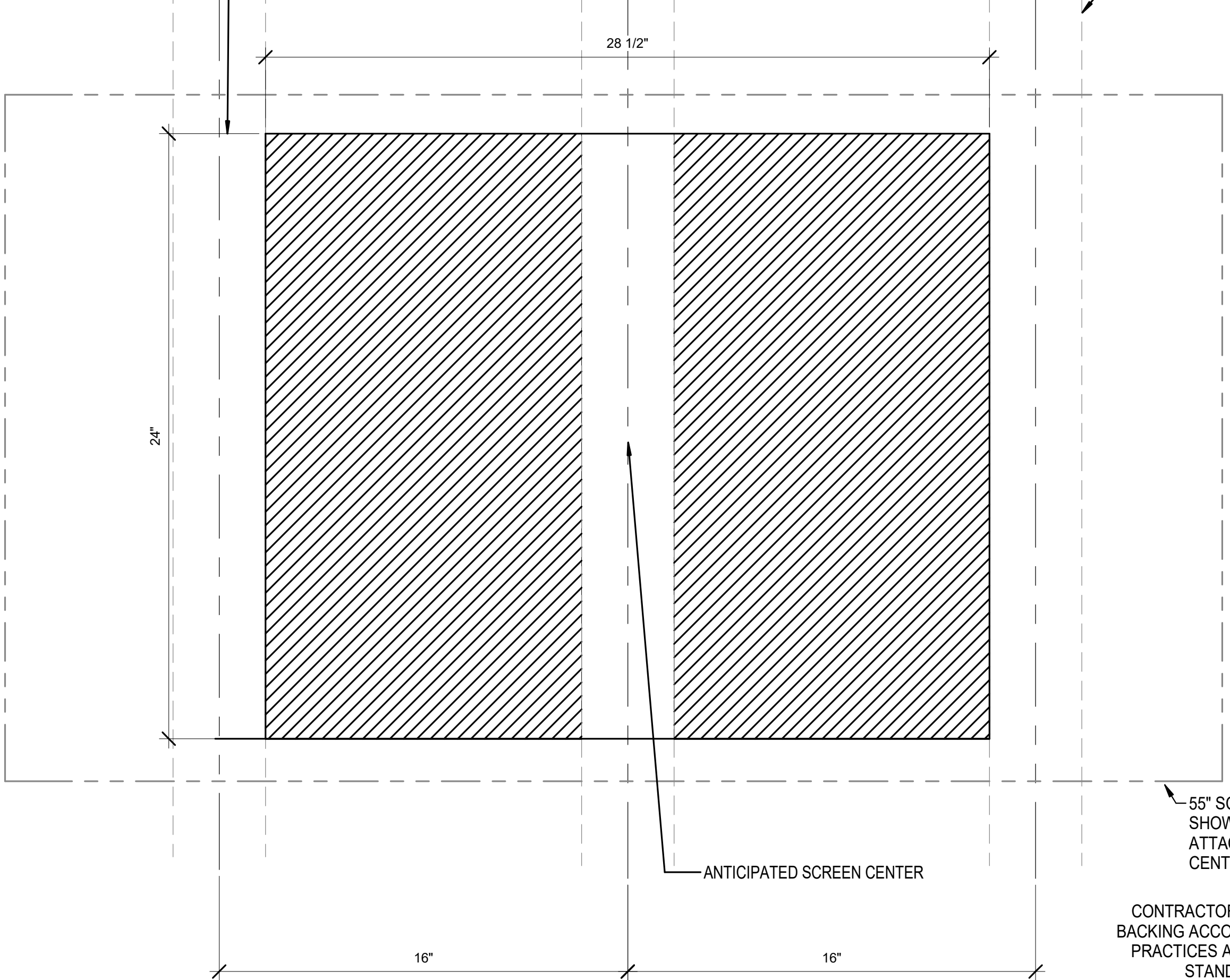


4 CEILING MOUNTED SPEAKER - ACT - SPEAKER
1" = 1'-0"

3/4" PLYWOOD BACKING MOUNTED UNDER NEW DRYWALL CENTERED ON ANTICIPATED SCREEN CENTER.

COORDINATE EXACT BACKING DIMENSIONS WITH AV INSTALLER. PROVIDE CUTOUTS FOR BOXES AS REQUIRED. COORDINATE LOCATIONS WITH AV INSTALLER.

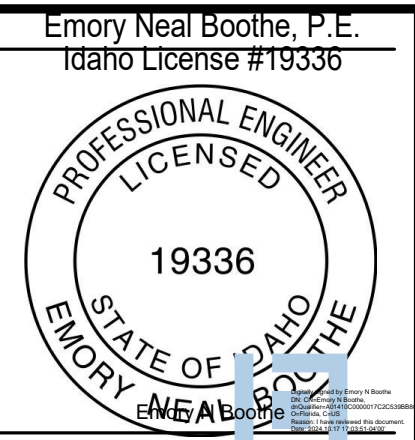
METAL STUD



55" SCREEN OUTLINE SHOWN FOR REFERENCE. ATTACH TO MOUNT CENTERED AND LEVEL.

CONTRACTOR TO PROVIDE BACKING ACCORDING TO BEST PRACTICES AND INDUSTRY STANDARDS.

3 MONITOR BACKING DETAIL
3" = 1'-0"



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 ARCHITECTURE / PLANNING / INTERIORS
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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 AUDIOVISUAL DETAILS

PROJECT NO. 21034
DATE: OCTOBER 2024
DRAWN BY: NBW
CHECKED BY: NBW
DRAWING NO.:

NO.	REVISIONS

PROJECT NO. 21034
 DATE: OCTOBER 2024
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 CHECKED BY: NBW
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T721



MUSGROVE
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Boise, ID 83709
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645 West 25th Street
Idaho Falls, ID 83402
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www.musgrovepa.com
PROJECT NO. 24-091



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(P) 208-522-8779 (F) 208-522-8795 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402

PROJECT:
SHEET TITLE:
ELECTRICAL SITE PLAN

NO.	DATE	DESCRIPTION

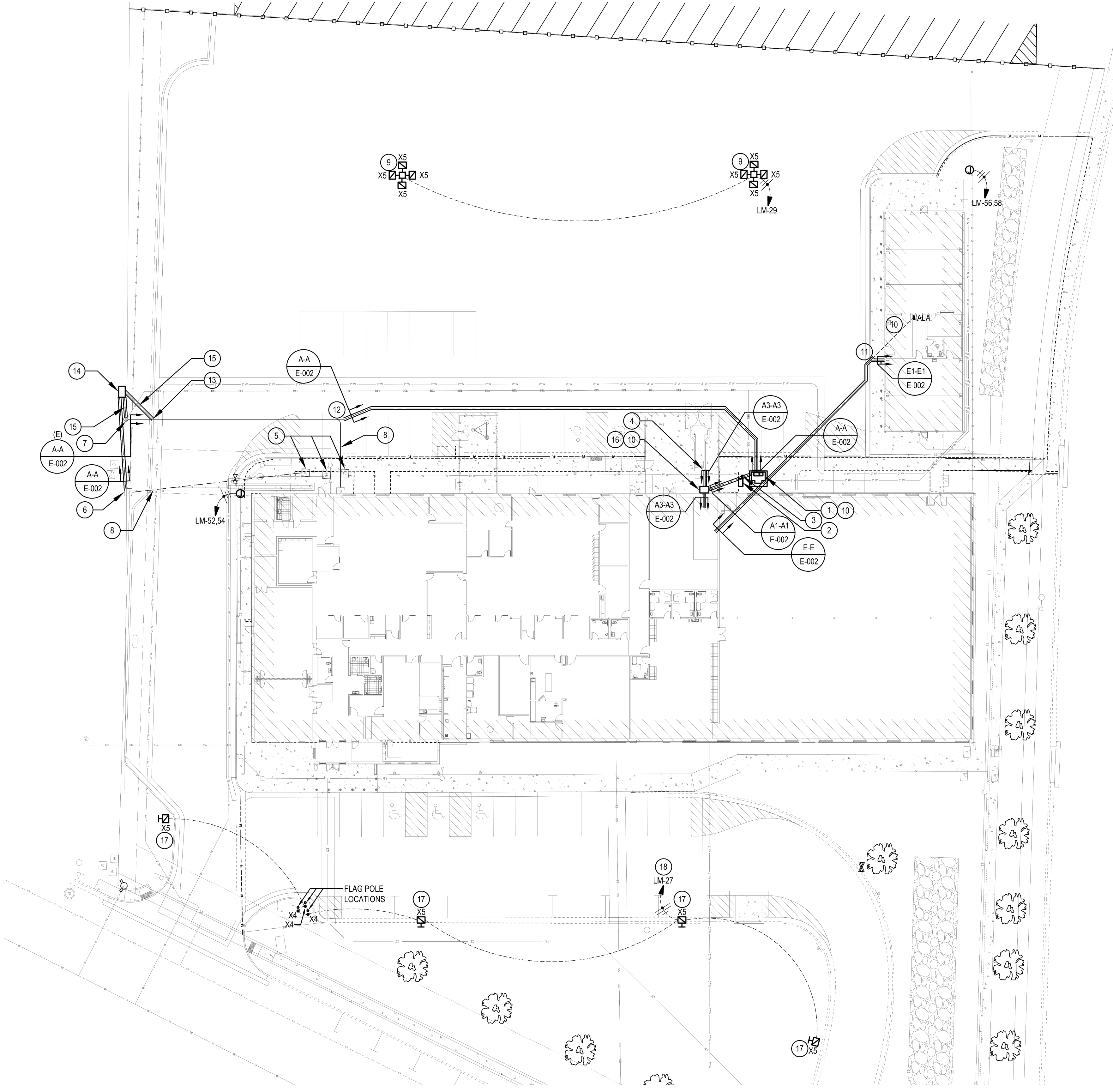
PROJECT NO.
21034
DATE:
NOVEMBER 2024
DRAWN BY:
DH/AH
CHECKED BY:
MNB

DRAWING NO.:

E-001

KEYED NOTES:

- # SYMBOL USED FOR CALLOUTS
- 1. PROPOSED LOCATION OF IDAHO FALLS POWER UTILITY TRANSFORMER. CONCRETE MOUNTING PAD PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. UTILITY TRANSFORMER PROVIDED AND INSTALLED BY IDAHO FALLS POWER.
- 2. CT CABINET PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. SEE DETAIL DRAWING E-400.
- 3. CT METER, SEE DETAIL DRAWING E-400.
- 4. GENERATOR DOCKING STATION MOUNTED TO GENERATOR.
- 5. EXISTING TRANSFORMER TO BE REMOVED.
- 6. EXISTING SECTIONALIZING CABINET TO REMAIN.
- 7. EXISTING POWER POLE TO REMAIN.
- 8. EXISTING 4" C TO BE ABANDONED, CONDUCTORS TO BE REMOVED BY IDAHO FALLS POWER.
- 9. EXISTING PARKING LOT LIGHT POLE TO REMAIN. CONNECT EXISTING CIRCUIT TO NEW LCP AND PANEL LM. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 2#10, 1#10G CONDUCTORS THROUGH EXISTING CONDUIT BACK TO A LIGHTING RELAY, PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. IN THE ELECTRICAL ROOM. NEW LIGHTING RELAY TO BE CONTROLLED BY EXTERIOR LIGHTING CIRCUIT IN THE LIGHTING CONTROL PANEL.
- 10. SEE ONE-LINE DIAGRAM DETAIL DRAWING E-400.
- 11. 2 1/2" C 4#4/0, 1#4G, 24" BELOW GRADE.
- 12. INTERCEPT EXISTING 4" C, 48" BELOW GRADE AND EXTEND TO NEW TRANSFORMER LOCATION.
- 13. NEW 4" C, 48" BELOW GRADE AND EXTEND TO NEW 3 PHASE SECTIONALIZING CABINET LOCATION.
- 14. NEW IDAHO FALLS POWER 3 PHASE SECTIONALIZING CABINET INSTALLED BY IDAHO FALLS POWER. MOUNTING BASE PROVIDED BY ELECTRICAL CONTRACTOR.
- 15. NEW IDAHO FALLS POWER 4" PVC CONDUIT, INSTALLED BY ELECTRICAL CONTRACTOR, 48" BELOW GRADE.
- 16. NEW SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 17. NEW LIGHT POLE AND FIXTURE. SEE SHEET E-002 FOR POLE BASE DETAILS.
- 18. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 2#10, 1#10G CONDUCTORS THROUGH EXISTING CONDUIT BACK TO A LIGHTING RELAY, PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. IN THE ELECTRICAL ROOM. NEW LIGHTING RELAY TO BE CONTROLLED BY EXTERIOR LIGHTING CIRCUIT IN THE LIGHTING CONTROL PANEL. ELECTRICAL CONTRACTOR TO INTERCEPT EXISTING BURIED CONDUIT AND INSTALL AN ELECTRICAL SPLICE BOX FOR CONDUCTOR CONNECTION POINT.



ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

Approved
State of Idaho
Division of Building Safety

These Documents are approved in accordance with the provisions of the Idaho Building Code and rules applicable to this project.

These Documents are approved in accordance with the rules and regulations of the State of Idaho Department of Building Safety. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

Approved
 State of Idaho
 Division of Building Safety

MUSGROVE ENGINEERING, P.A.
 234 S. Whisperwood Way
 Boise, ID 83709
 208.384.0585
 645 West 25th Street
 Idaho Falls, ID 83402
 208.523.2862
 www.musgrovepa.com
 PROJECT NO. 24-091

Professional Engineer
 License No. 20894
 State of Idaho
 ALLEN J. HALVERSON

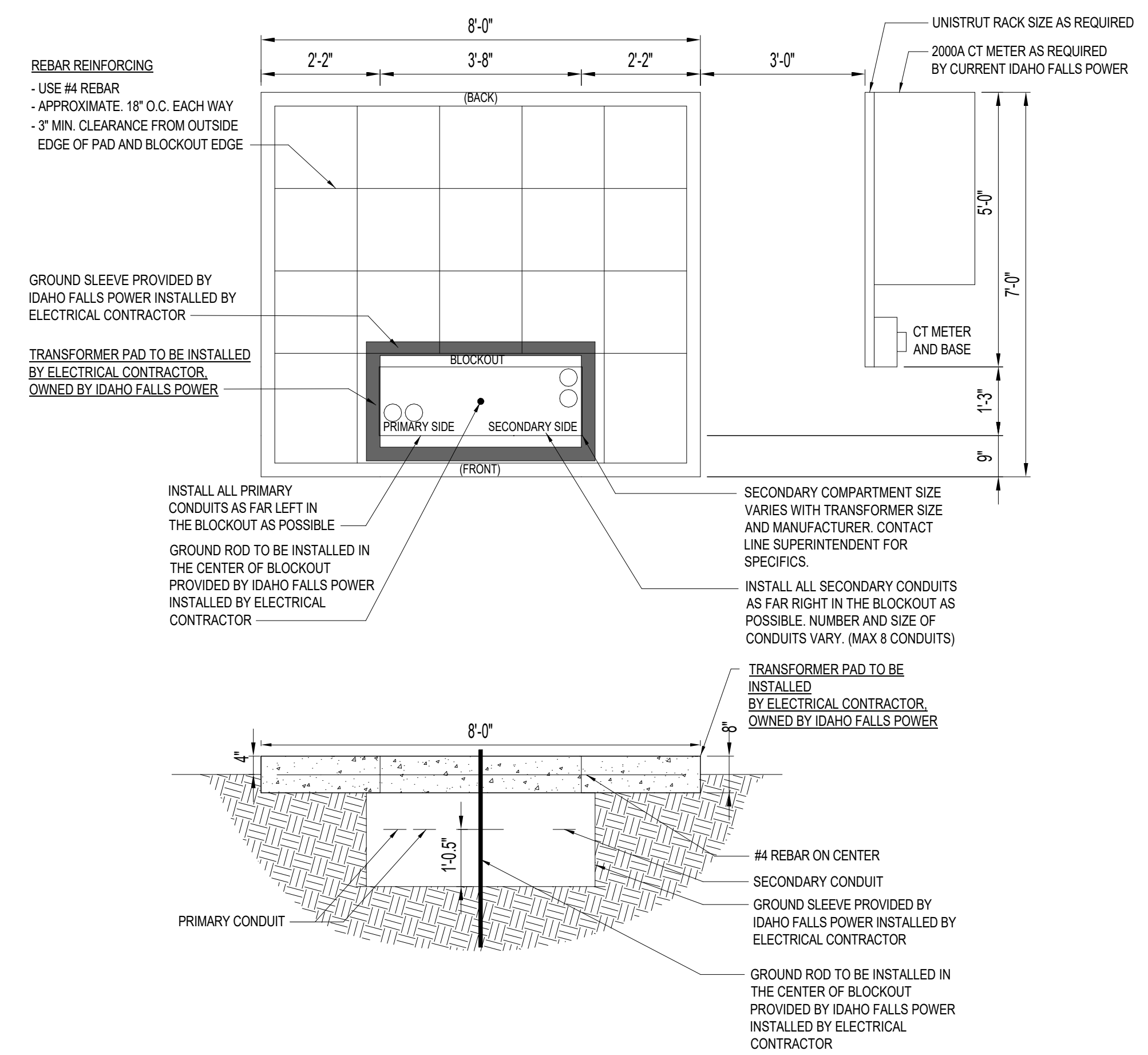
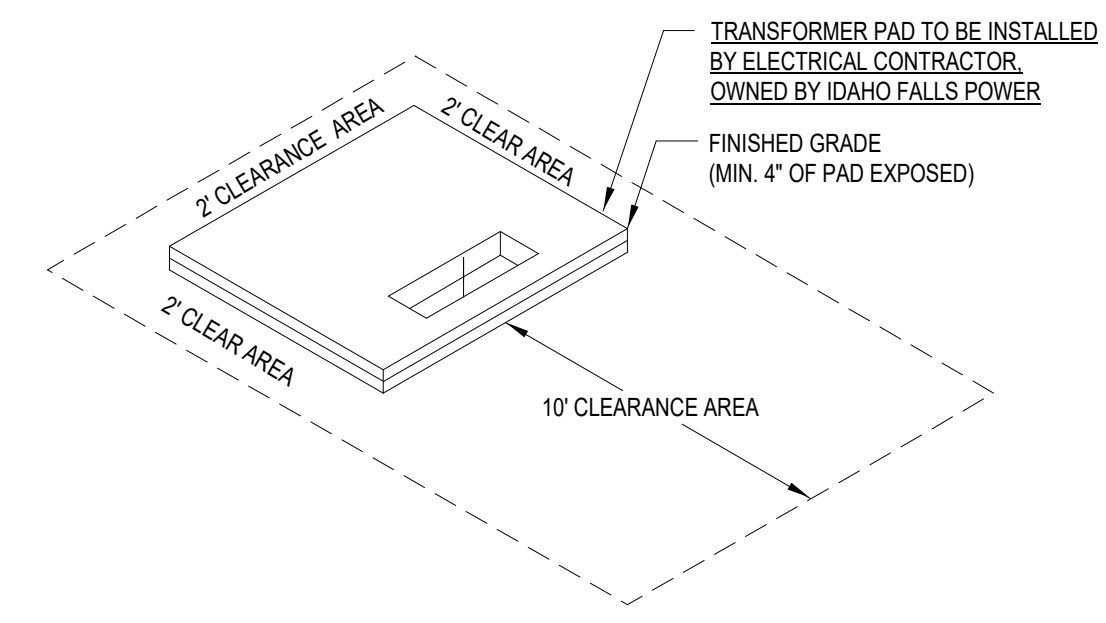
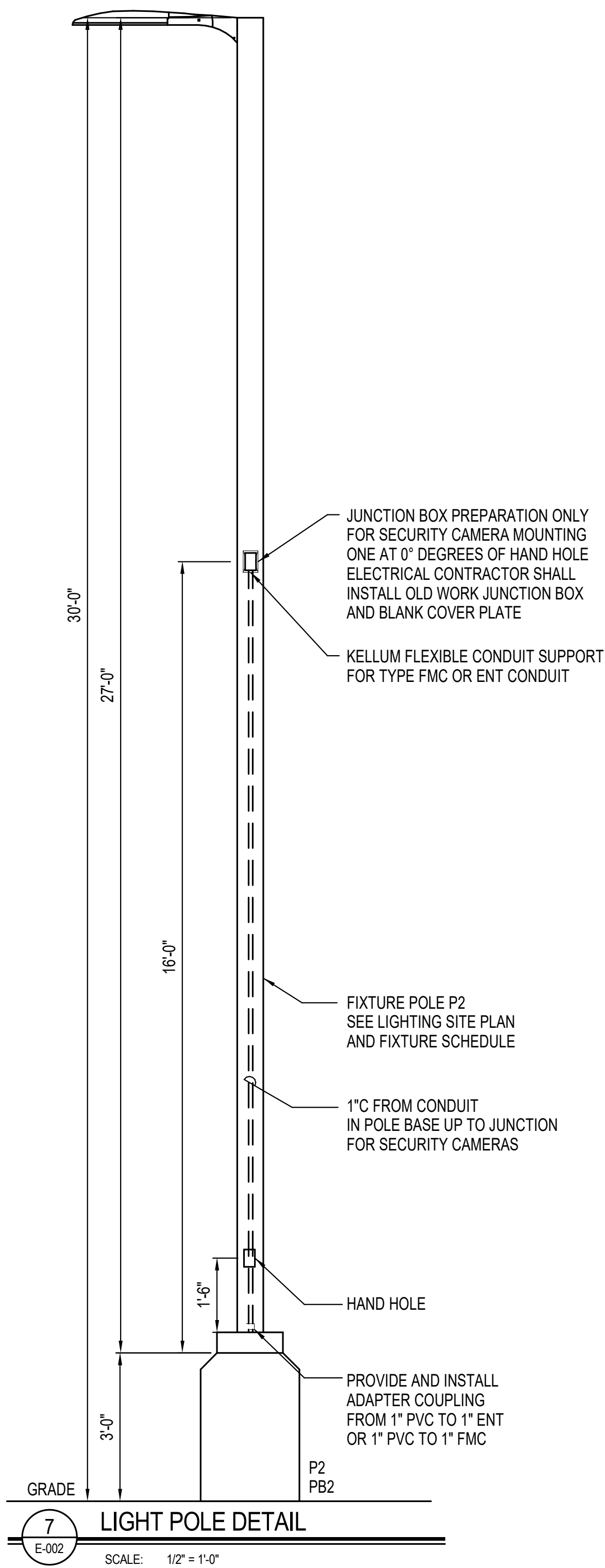
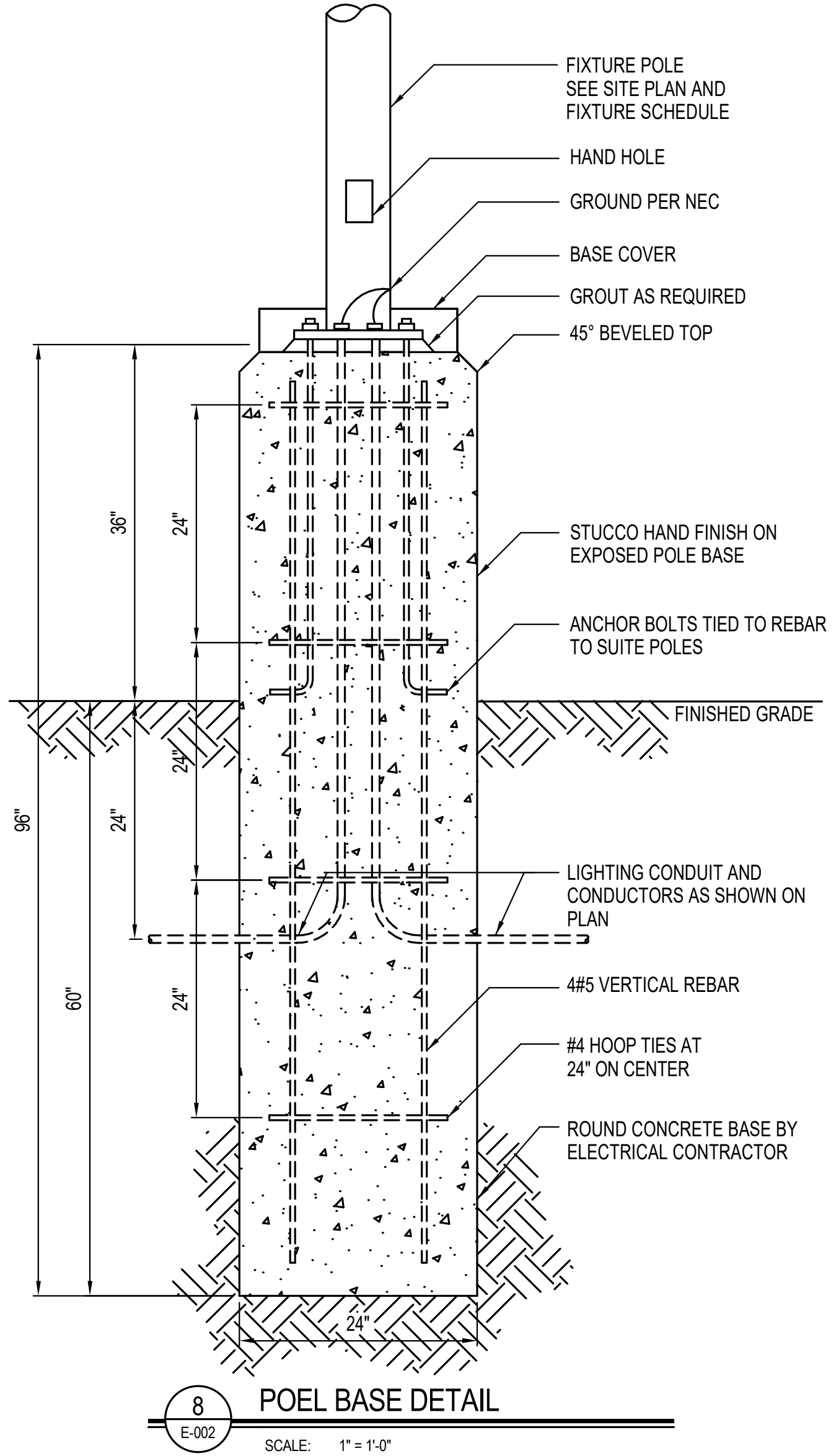
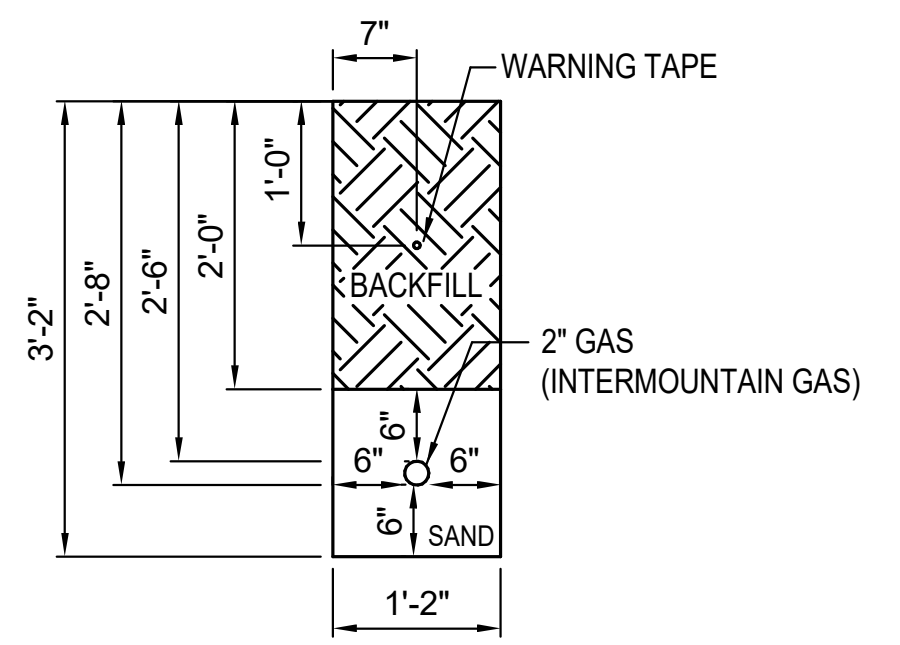
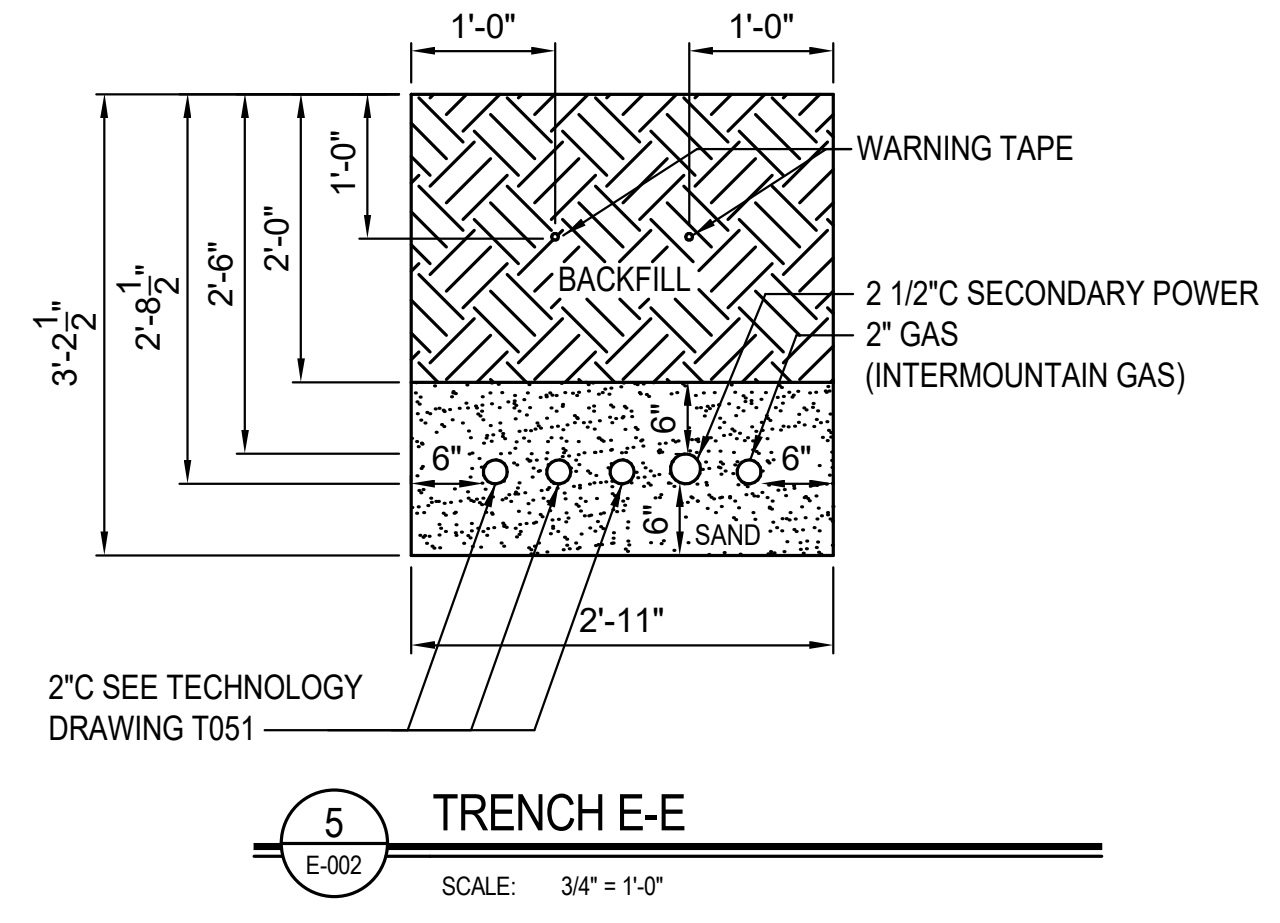
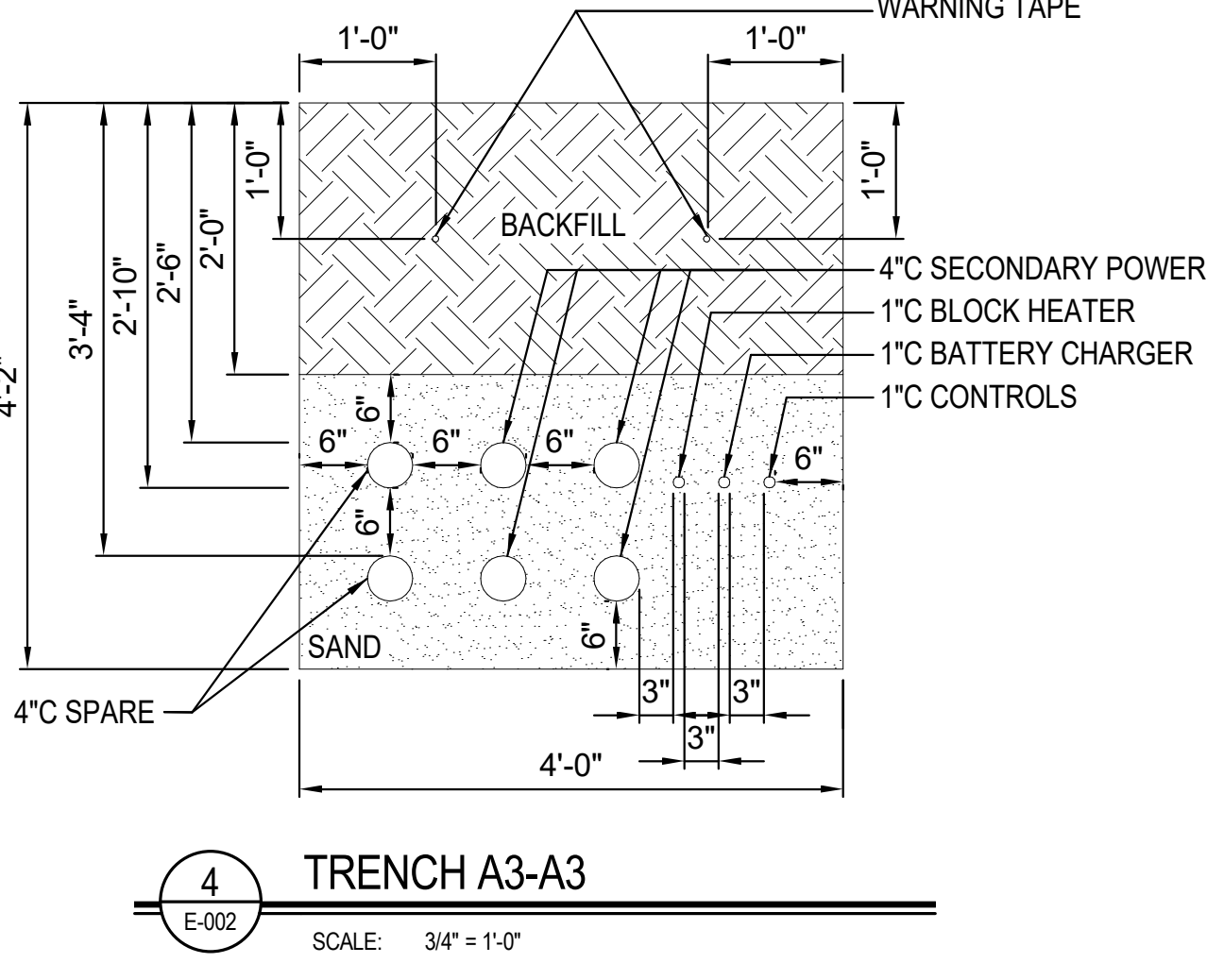
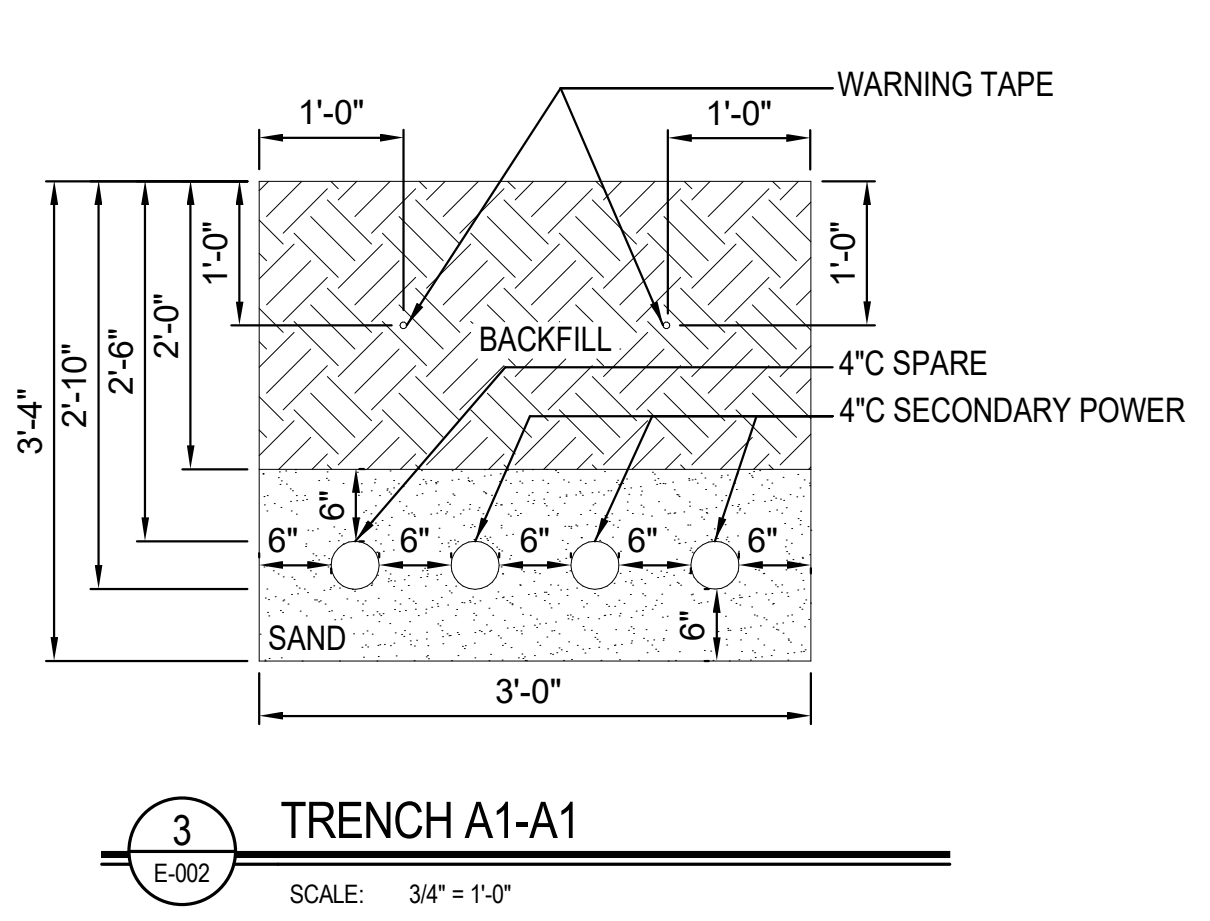
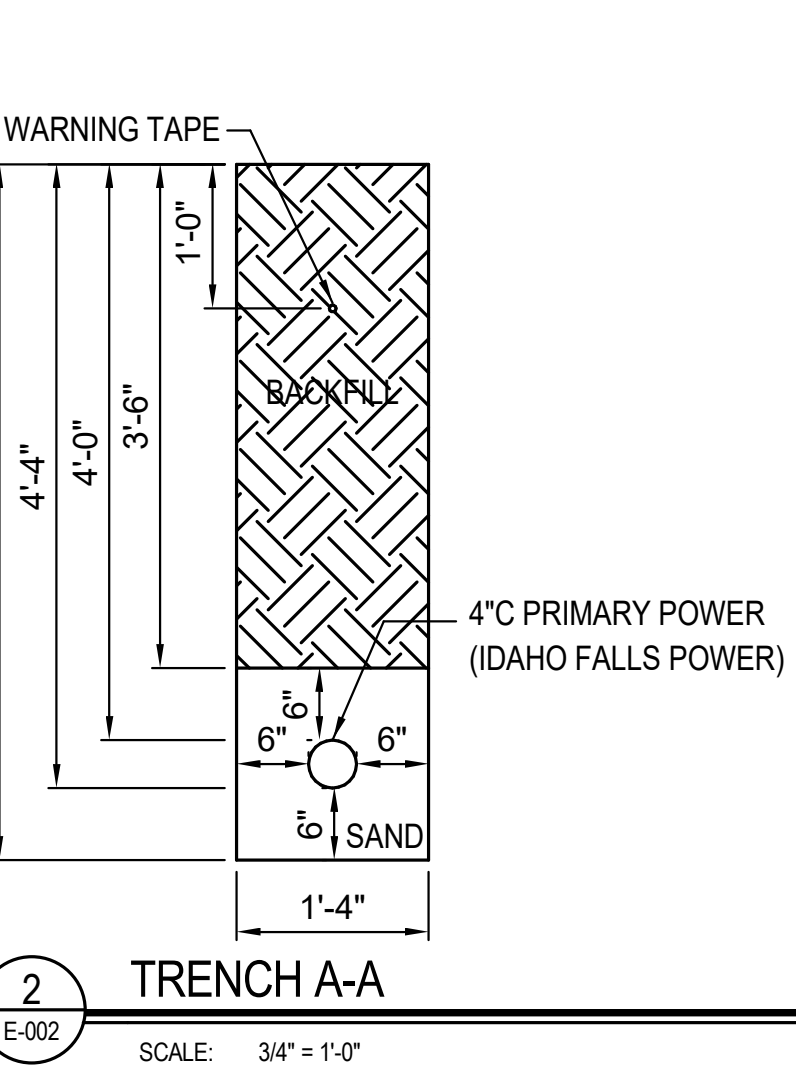
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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT NO. 21034
 DATE: NOVEMBER 2024
 DRAWN BY: DH/AH
 CHECKED BY: MNB

DRAWING NO.:

E-002



- ADDITIONAL COMMENTS:
- 8" PRE-CAST CONCRETE PAD IS AN ACCEPTABLE OPTION. SEE EARTHWORK AND OTHER SPECIFICATIONS REQUIREMENTS BELOW AND IN DRAWING. INSPECTION PRIOR TO PLACEMENT IS REQUIRED.
 - INSTALL CONDUITS AS SHOWN IN DETAIL. INSTALL BELL ENDS AN CAP ALL CONDUITS. IDENTIFY ALL CONDUITS FOR ROUTING. ELECTRICAL CONTRACTOR TO PLACE IDAHO FALLS POWER PROVIDED GROUND SLEEVE AND GROUND ROD AS SHOWN IN DETAIL. CONTACT IDAHO FALLS POWER FOR INSPECTION.
 - TRANSFORMER PAD SHALL HAVE A MINIMUM THICKNESS OF 8" CONCRETE AND SHALL BE DESIGNED WITH SUFFICIENT REINFORCING TO ACCOMMODATE A TRANSFORMER WEIGHT OF 16,000 LBS (SEE DRAWING).
 - THE PAD LOCATION SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY PRIOR TO PLACEMENT OF CONCRETE.
 - THE TRANSFORMER WILL NOT BE INSTALLED UNTIL THE CONCRETE HAS CURED A MINIMUM OF (7) DAYS, IF THE TEMPERATURE IS EXPECTED TO DROP BELOW 40°. THERMAL BLANKETS MUST BE USED FOR A MINIMUM PERIOD OF 72 HOURS. DO NOT PLACE PAD ON THE FROZEN EARTH.
 - TOP OF THE TRANSFORMER PAD SHALL BE CONSTRUCTED TO A MINIMUM OF 4" ABOVE FINISHED GRADE. POSITIVE DRAINAGE MUST BE PROVIDED AWAY FROM THE TRANSFORMER PAD. CONTACT IDAHO FALLS POWER FOR INSPECTION PRIOR TO PLACEMENT OF CONCRETE.

GENERAL NOTES:

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 1. INSTALL 0-10V DIMMING CONDUCTORS FROM SWITCH TO ALL LIGHTS CONTROLLED BY THIS SWITCH IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. VERIFY INSTALLATION REQUIREMENTS WITH SUBMITTALS PRIOR TO INSTALLATION.
- 2. LIGHTING CONTROL PANEL LOW VOLTAGE INTERCONNECTION CABLE. SEE DETAIL ON DRAWING E-600.
- 3. LIGHTING ZONE TO BE CONNECTED TO NOTED CIRCUIT AND CONTROLLED VIA LIGHTING CONTROL PANEL. SEE DETAIL ON DRAWING E-600. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 0-10V DIMMING WIRES BETWEEN ALL LIGHTS IN THE ZONE AND LIGHTING CONTROL PANEL.
- 4. CHAIN HUNG LIGHT FIXTURE BELOW STRUCTURE, 10 FEET ABOVE FINISHED FLOOR
- 5. PROVIDE AND INSTALL 18/3 UTP 24 VOLT CABLE BETWEEN POWER PACK AND OCCUPANCY SENSORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 6. DAYLIGHT ZONE. DAYLIGHT RESPONSIVE CONTROLS NOT REQUIRED DUE TO LESS THAN 150 WATTS WITHIN DAYLIGHT ZONE. SEE C405.2.3.1 FOR MORE INFORMATION.
- 7. LIGHT FIXTURE IN THIS ROOM TO BE SET AT LOW LUMEN OUTPUT SETTING.
- 8. LIGHT FIXTURE IN THIS ROOM TO BE SET AT MEDIUM LUMEN OUTPUT SETTING.
- 9. LIGHT FIXTURE IN THIS ROOM TO BE SET AT HIGH LUMEN OUTPUT SETTING.



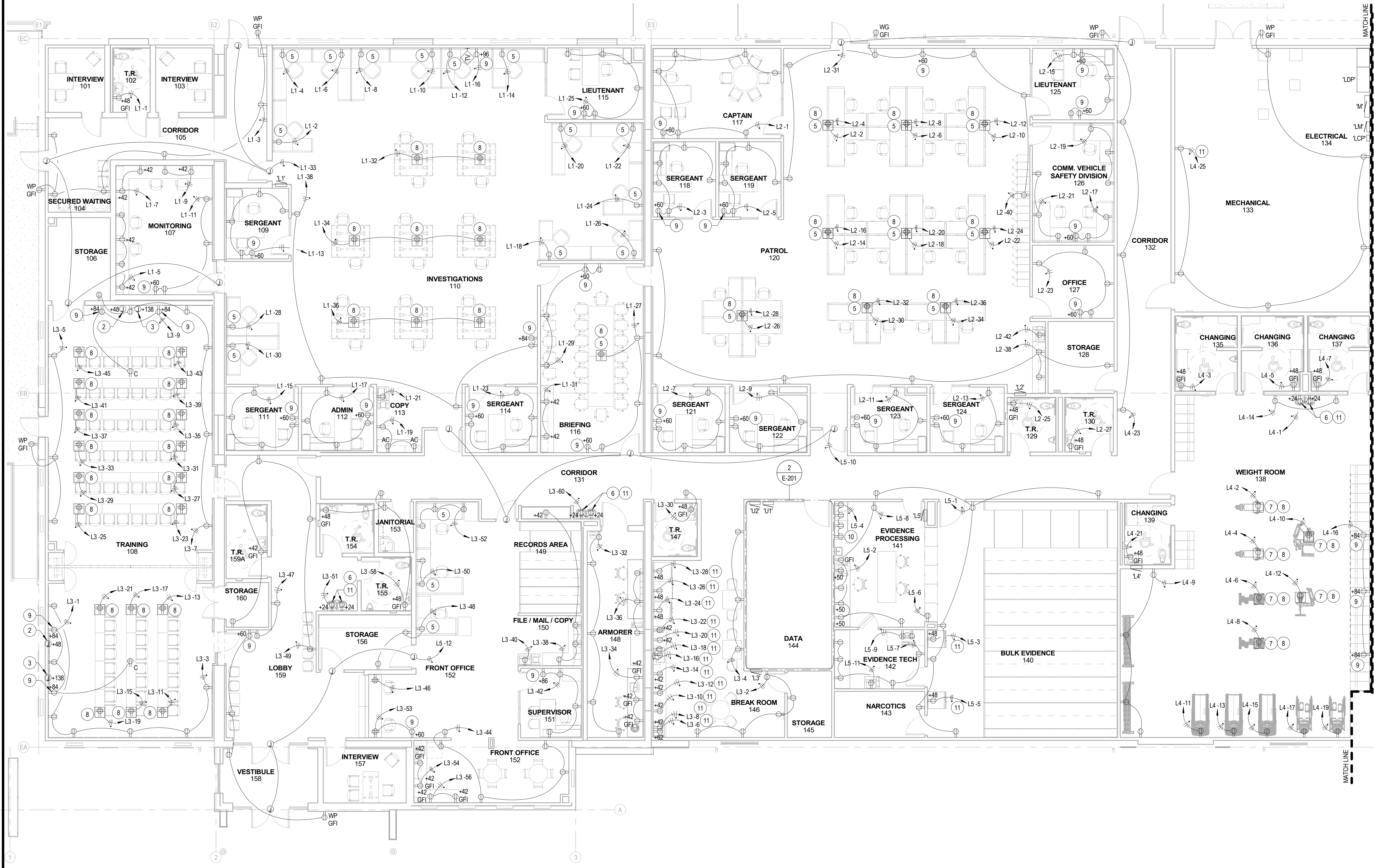
LIGHTING PLAN - PART 1
 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- A. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
- B. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- C. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION, WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- D. ALL EXISTING LIGHTS, RECEPTACLES, AND CIRCUITS TO BE VERIFIED PRIOR TO WORK.
- E. ELECTRICAL CONTRACTOR TO PROVIDE NEW TYPED PANEL SCHEDULE AS REQUIRED BY NEC.

KEYED NOTES:

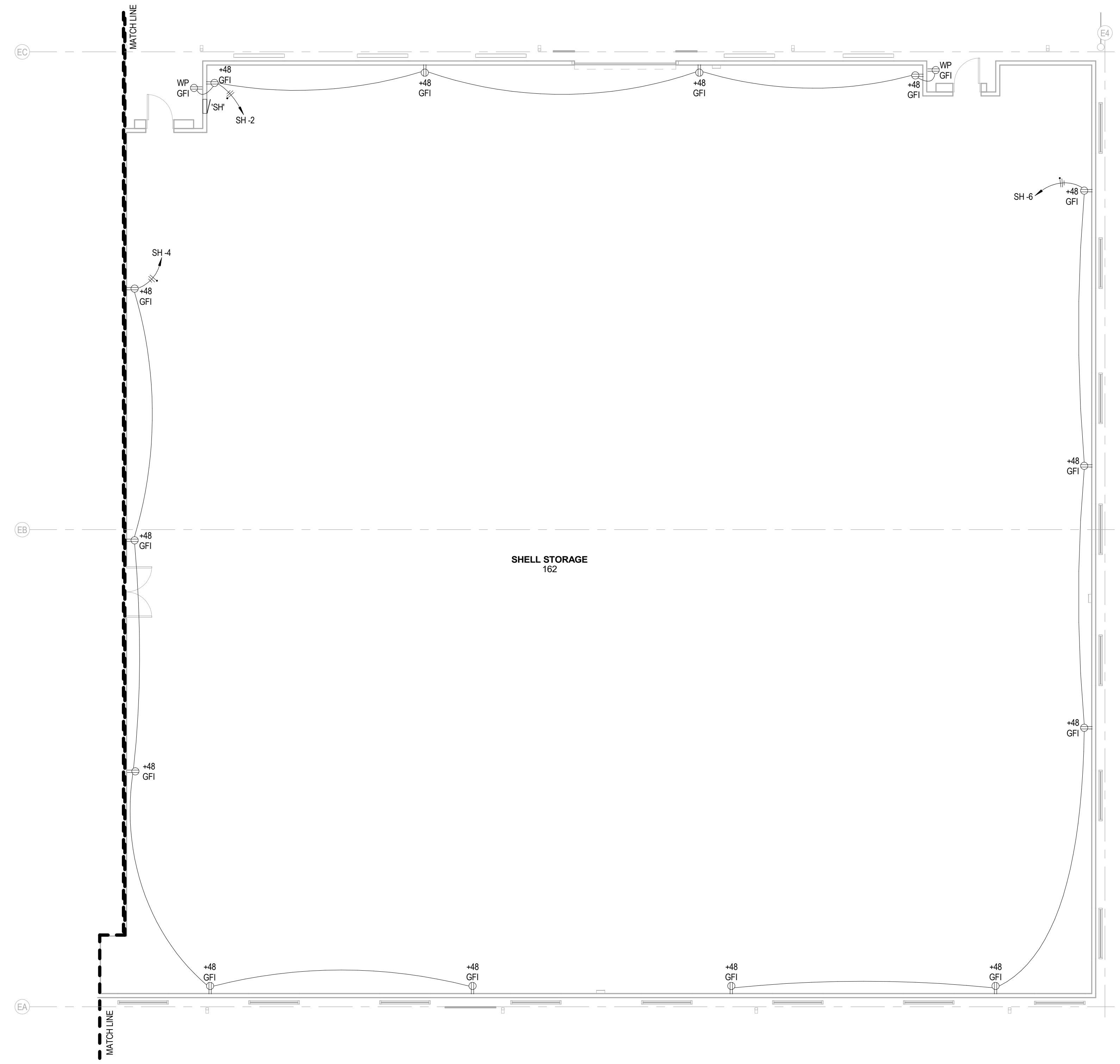
- 1. SYMBOL USED FOR CALLOUT
- 2. JUNCTION BOX WITH 3/4" TO JUNCTION BOX ABOVE CEILING FOR FUTURE SCREEN CONTROLLER.
- 3. JUNCTION BOX ABOVE CEILING FOR FUTURE SCREEN.
- 5. VERIFY INSTALLATION REQUIREMENTS FOR CUBICLE POWER WITH SUBMITTALS PRIOR TO INSTALLATION AND TERMINATION.
- 6. VERIFY INSTALLATION REQUIREMENTS FOR DRINKING FOUNTAIN WITH SUBMITTALS PRIOR TO INSTALLATION.
- 7. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CONCRETE FLOOR BOX WITH RECEPTACLE - LEGRAND EFB45S OR EQUAL FLOOR BOX.
- 8. SEE TECHNOLOGY DRAWINGS FOR FLOOR BOX SPECIFICATIONS.
- 9. SEE TECHNOLOGY DRAWINGS FOR TV BOX SPECIFICATIONS AND CONFIRM HEIGHT PRIOR TO INSTALLATION.
- 10. VERIFY RECEPTACLE LOCATION WITH EVIDENCE LOCKER INSTALLATION DRAWINGS PRIOR TO INSTALLATION.
- 11. INSTALL GFCI BREAKER IN PANEL.

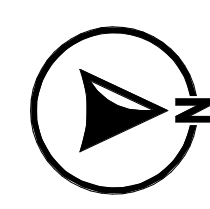


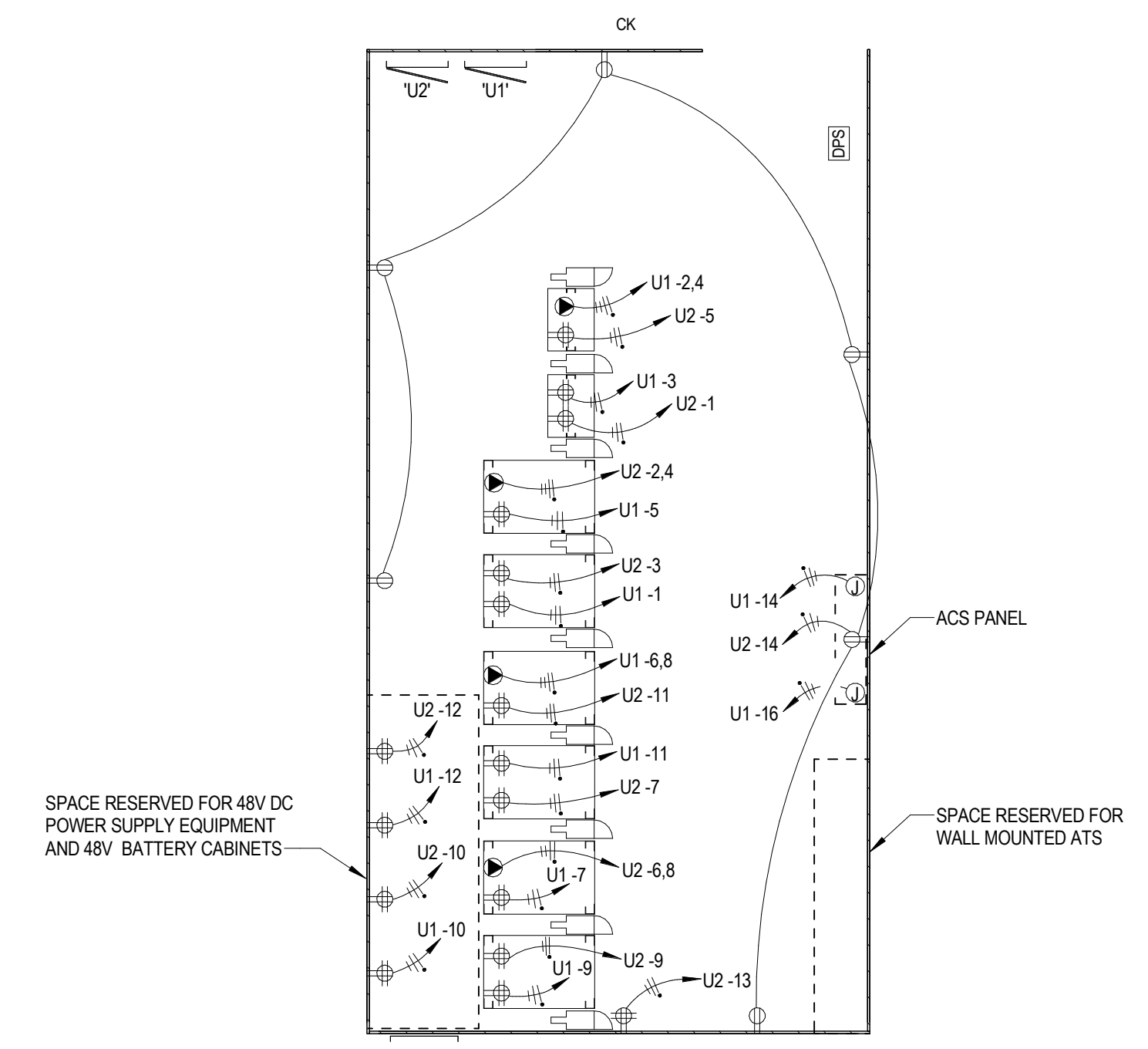
POWER PLAN - PART 1
 SCALE: 1/8" = 1'-0"

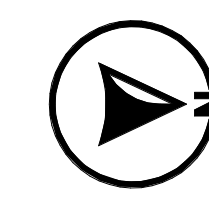
Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
 in accordance with the
 provisions of the Idaho
 Building Code, and notes
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 This approval shall not be construed to be
 an approval of any violation of, or variance
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 **POWER PLAN - PART 2**
 SCALE: 1/8" = 1'-0"



 **ENLARGED DATA ROOM 144 POWER PLAN**
 SCALE: 1/4" = 1'-0"

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 Idaho Falls, ID 83402
 208.523.2862
 www.musgrovepa.com
 PROJECT NO. 24-091

- GENERAL NOTES:**
- REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
 - THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
 - ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION, WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
 - ALL EXISTING LIGHTS, RECEPTACLES, AND CIRCUITS TO BE VERIFIED PRIOR TO WORK.
 - ELECTRICAL CONTRACTOR TO PROVIDE NEW TYPED PANEL SCHEDULE AS REQUIRED BY NEC.



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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT: _____
 SHEET TITLE: **POWER PLAN - PART 2**

REVISIONS

NO.	DESCRIPTION

PROJECT NO.
 21034
 DATE:
 NOVEMBER 2024
 DRAWN BY:
 DH/AH
 CHECKED BY:
 MNB

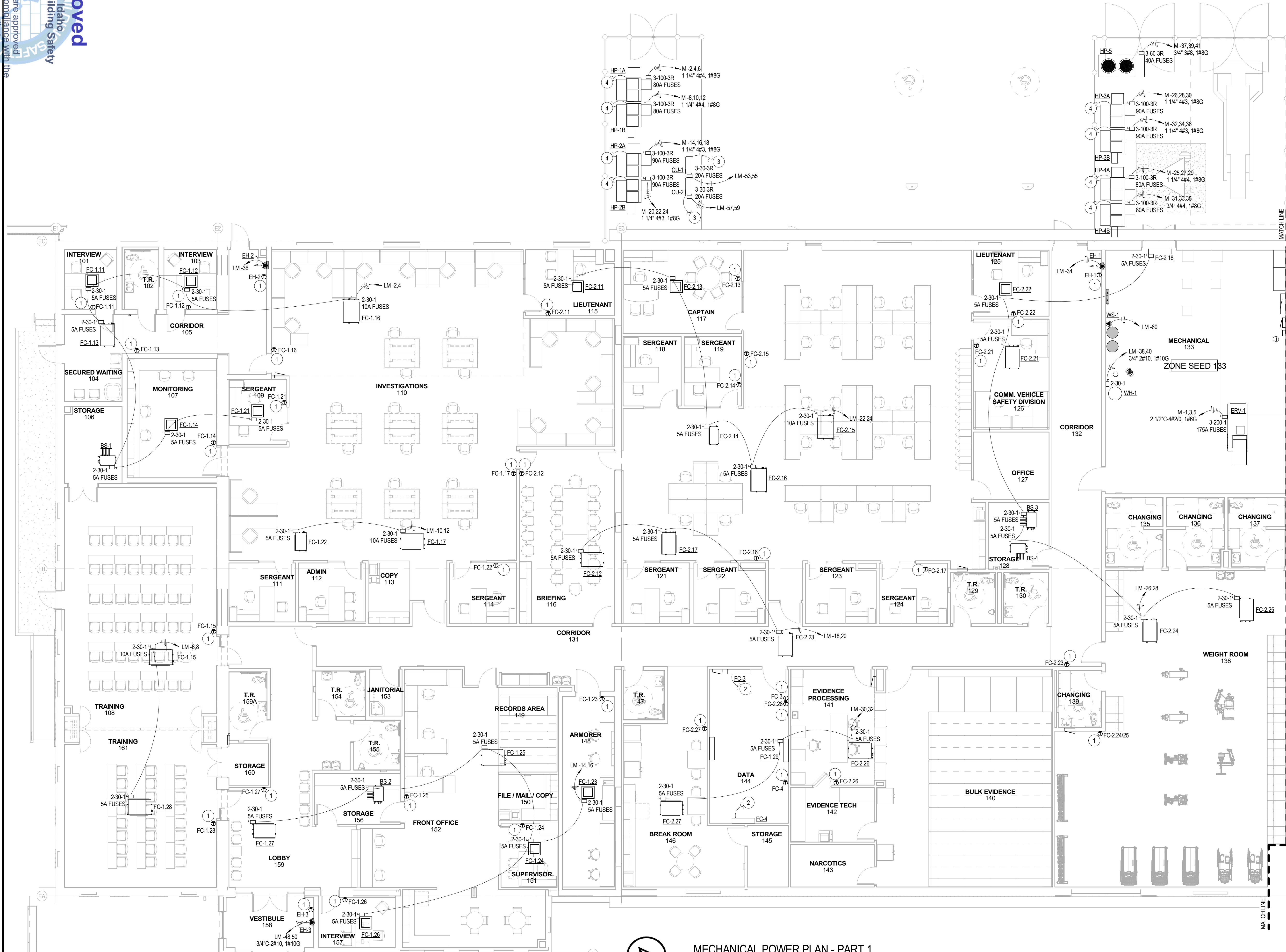
DRAWING NO.:
E-201

GENERAL NOTES:

- A. MECHANICAL EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.
- B. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- C. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

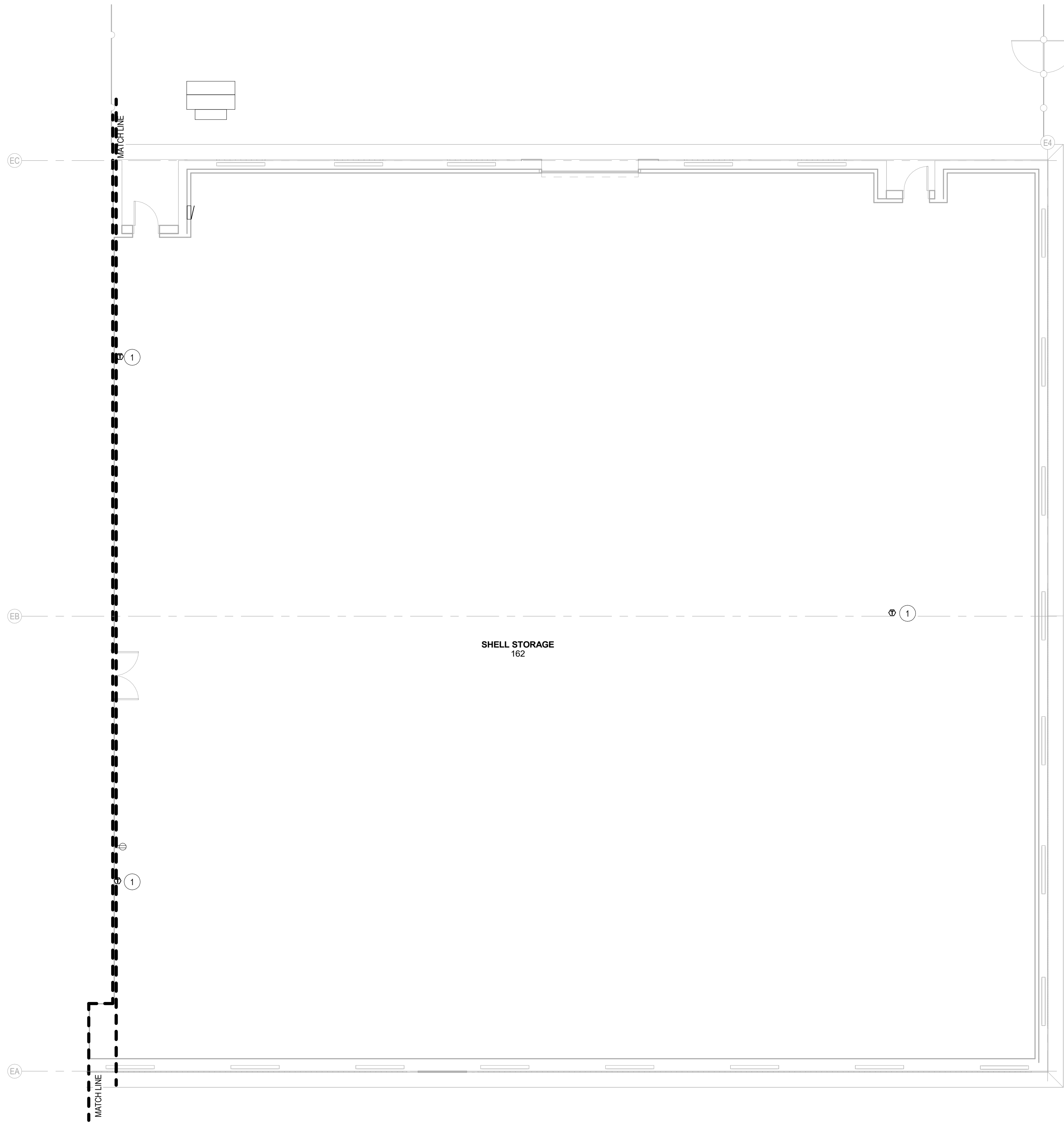
KEYED NOTES:

- 1. 3/4" CONDUIT TO CORRESPONDING MECHANICAL UNIT, BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTORS.
- 2. 3/4" CONDUIT TO CORRESPONDING MECHANICAL UNIT FOR POWER AND CONTROL, BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTORS.
- 3. 3/4" CONDUIT TO CORRESPONDING FAN COIL UNIT FOR POWER AND CONTROL, BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTORS.
- 4. 3/4" CONDUIT INTO BUILDING FOR CONTROLS.



MECHANICAL POWER PLAN - PART 1
 SCALE: 1/8" = 1'-0"

Approved
State of Idaho
Division of Building Safety
These Documents are approved in accordance with the applicable codes and rules applicable to this project.



MECHANICAL POWER PLAN - PART 2
SCALE: 1/8" = 1'-0"

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645 West 25th Street
Idaho Falls, ID 83402
208.523.2862
www.musgrovepa.com
PROJECT NO. 24-091

PROFESSIONAL ENGINEER
CERTIFICATE NO. 20894
10/29/2024
STATE OF IDAHO
ALLEN J. HALVERSEN

GENERAL NOTES:

- A. MECHANICAL EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.
- B. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
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KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 1. 3/4" CONDUIT TO CORRESPONDING MECHANICAL UNIT, BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTORS.
- 2. 3/4" CONDUIT TO CORRESPONDING MECHANICAL UNIT FOR POWER AND CONTROL. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTORS.
- 3. 3/4" CONDUIT TO CORRESPONDING FAN COIL UNIT FOR POWER AND CONTROL. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTORS.
- 4. 3/4" CONDUIT INTO BUILDING FOR CONTROLS.

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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
1155 FOOTE DRIVE
IDAHO FALLS, IDAHO 83402
MECHANICAL POWER PLAN - PART 2

PROJECT: SHEET TITLE:

REVISIONS

NO.	DESCRIPTION

PROJECT NO. 21034
DATE: NOVEMBER 2024
DRAWN BY: DH/AH
CHECKED BY: MNB

DRAWING NO.:

E-301

Approved
 State of Idaho
 Division of Building Safety

These Documents are approved in accordance with the applicable codes and rules applicable to this project.
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PROFESSIONAL ENGINEER
 License No. 17049
 20894
 10/29/2024
 STATE OF IDAHO
 ALLEN J. HALVERSEN

nbwarchitects.p.a.
 ARCHITECTURE / PLANNING / INTERIORS
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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

PROJECT:
 SHEET TITLE: **ROOF MECHANICAL POWER PLAN - PART 1**

REVISIONS

PROJECT NO.
 21034
 DATE:
 NOVEMBER 2024
 DRAWN BY:
 DH/AH
 CHECKED BY:
 MNB

DRAWING NO.:

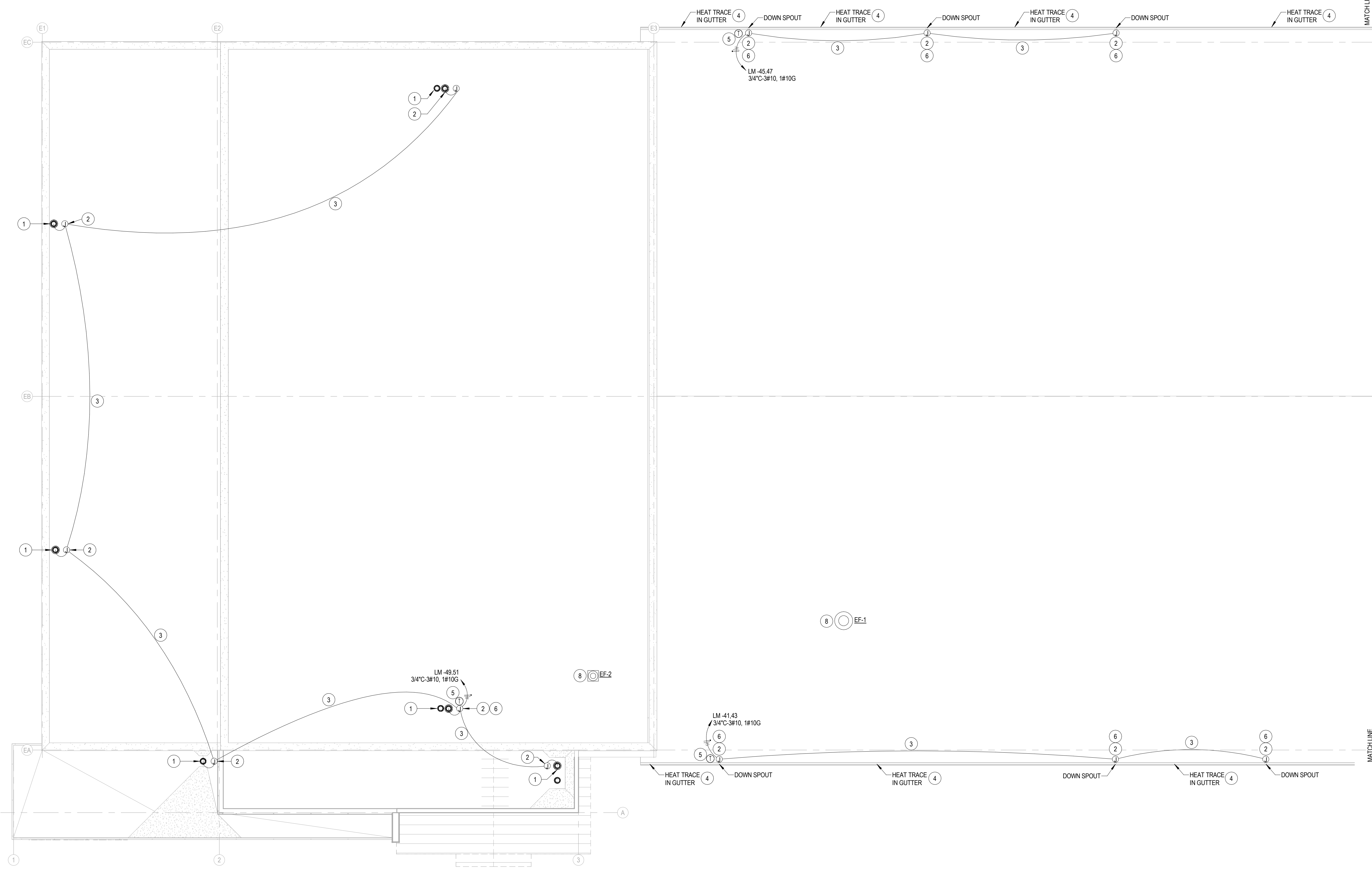
E-302

GENERAL NOTES:

- A. MECHANICAL EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.
- B. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- C. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 1. SELF REGULATING HEAT TRACE NVENT RAYCHEM GM-2X OR EQUAL. RE: DETAILS SHEET E-500.
- 2. POWER CONNECTION KIT, NVENT RAYCHEM RAYCLIC OR EQUAL.
- 3. 3/4" 2#10 CU, 1#10G FOR HEAT TRACE BRANCH CIRCUIT.
- 4. NVENT RAYCHEM SELF-REGULATING DE-ICING HEATING CABLE GM-2XT OR EQUAL.
- 5. INSTALL HEAT TRACE THERMOSTAT ON WALL UNDER EAVE NVENT RAYCHEM AMC-1A OR EQUAL.
- 6. EXTEND HEATING CABLE 12 INCHES PAST BOTTOM OF DOWNSPOUT.
- 7. 3/4" CONDUIT INTO BUILDING FOR CONTROLS.
- 8. EX-HAUST FAN CONTROLLED THROUGH BATTERY MANAGEMENT SYSTEM (BMS), COORDINATE WITH MECHANICAL DRAWINGS FOR INSTALLATION AND OPERATIONS REQUIREMENT.



ROOF MECHANICAL POWER PLAN - PART 1
 SCALE: 1/8" = 1'-0"

Approved
 State of Idaho
 Division of Building Safety

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nbwarchitects p.a.
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REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402

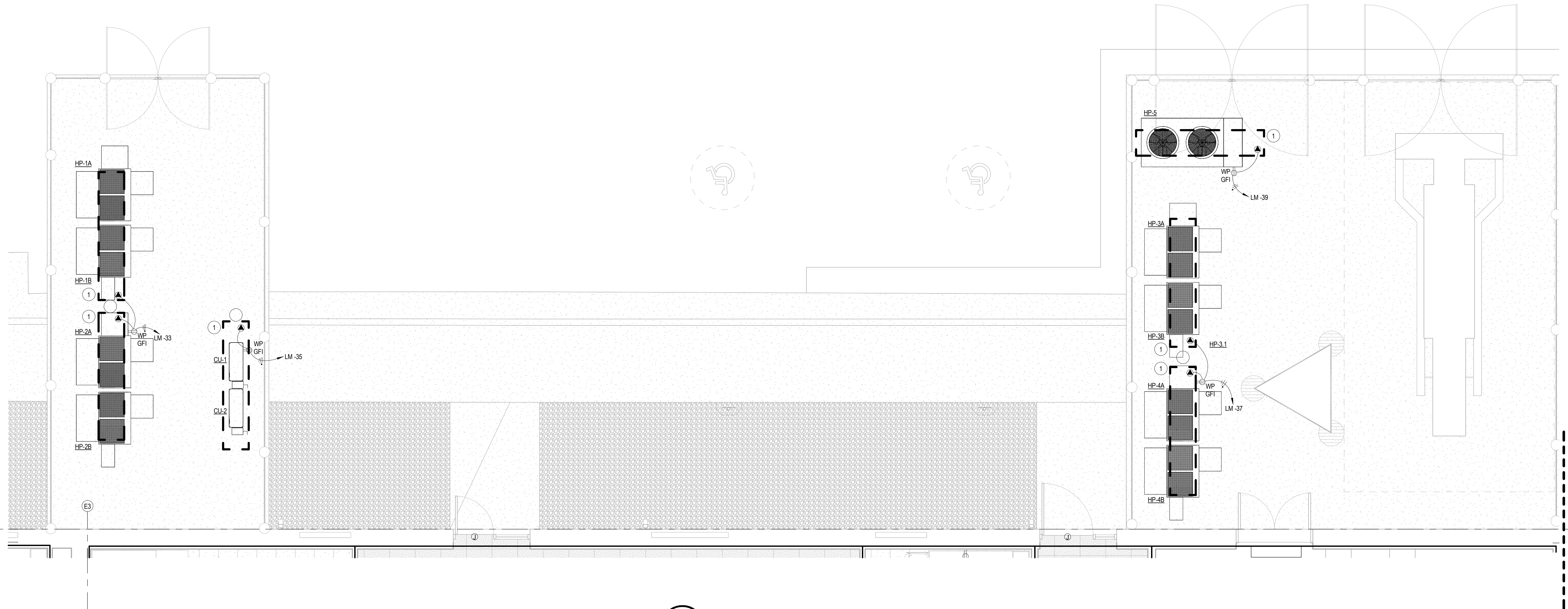
PROJECT:
 SHEET TITLE: ENLARGED MECHANICAL HEAT TRACE POWER PLAN

NO.	REVISIONS

PROJECT NO. 21034
 DATE: NOVEMBER 2024
 DRAWN BY: DH/AH
 CHECKED BY: MNB

DRAWING NO.:

E-304



MECHANICAL HEAT TRACE POWER PLAN
 SCALE: 1/4" = 1'-0"

- KEYED NOTES:**
- 1. ELECTRICAL CONTRACTOR SHALL PROVIDE 10FT 2FT HEATTRAK HTM 24-10 SNOW MELT MAT, HR-P 120V POWER CORD WITH INTEGRAL GFEP, HRTHERM-3550 IN-LINE 120V THERMOSTAT.

Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
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 International Building Code
 and applicable rules and codes.
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Branch Panel: LM

Location: ELECTRICAL 134
 Supply From: LDP
 Mounting: Surface
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 42KA
 Mains Type: MLO
 Mains Rating: 225 A

Notes:
1) GFEP BREAKER

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT	
1	LTS - MECH 133, CHNG 135,136,137		20 A	1	792 VA	1597 VA		2	20 A		FC-1.11,1.12,1.13,1.14,1.16,1.21,B...	2	
3	LTS - WEIGHT RM 138, CHNG 139		20 A	1		1292 VA	1597 VA		--	--		4	
5	LTS - CORRIDOR 131 & 132		20 A	1			1515 VA	1519 VA	2	20 A	FC-1.15 & FC-1.28	6	
7	LTS - EXTERIOR		20 A	1	701 VA	1519 VA			--	--		8	
9	LTS - 140,141,142,143,144,145,146		20 A	1		1896 VA	1324 VA		2	20 A	FC-1.17 & FC-1.22	10	
11	LTS - 148 TO 157		20 A	1			939 VA	1324 VA	--	--		12	
13	LTS - 108, 159A, 160, 161		20 A	1	1640 VA	816 VA			2	20 A	FC-1.23, 1.24, 1.25, 1.26, 1.27, BS-2	14	
15	LTS - INVEST 110, COPY 113		20 A	1		1575 VA	816 VA		--	--		16	
17	LTS - 101 TO 105,109,111 TO 116		20 A	1			1760 VA	1171 VA	2	20 A	FC-2.12, 2.17, 2.23	18	
19	LTS - PATROL 120		20 A	1	1440 VA	1171 VA			--	--		20	
21	LTS - 123 TO 130		20 A	1		1211 VA	1306 VA		2	20 A	FC-2.11, 2.13, 2.14, 2.15, 2.16	22	
23	LTS - 117,118,119,121,122		20 A	1			902 VA	1306 VA	--	--		24	
25	LTS - 152, FRONT OFFICE		20 A	1	1476 VA	1697 VA			2	20 A	FC-2.21, 2.22, 2.24, 2.25, BS-3, BS-4	26	
27	LTS - FLAG, FRONT POLE		20 A	1		1000 VA	1697 VA		--	--		28	
29	LTS - BACK POLE		20 A	1			1752 VA	907 VA	2	20 A	FC-1.29, 2.26, 2.27	30	
31	Spare		20 A	1	0 VA	907 VA			--	--		32	
33	HEAT MAT HP-1A, 1B, 2A, 2B		20 A	1		1752 VA	1500 VA		1	20 A	ELECTRIC HEATER EH-1	34	
35	HEAT MAT CU-1, CU-2		20 A	1			696 VA	1500 VA	1	20 A	ELECTRIC HEATER EH-2	36	
37	HEAT MAT HP-3A, 3B, 4A, 4B		20 A	1	696 VA	2250 VA			2	30 A	WATER HEATER WH-1	38	
39	HEAT MAT HP-5		20 A	1		348 VA	2250 VA		--	--		40	
41	ROOF TOP HEAT TRACE		1	25 A	2		2080 VA	0 VA	1	20 A	Spare	42	
43	--		--	--	2080 VA	0 VA			1	20 A	Spare	44	
45	ROOF TOP HEAT TRACE		1	25 A	2		2080 VA	540 VA	1	20 A	REC - ROOF TOP MAINTENANCE	46	
47	--		--	--			2080 VA	4000 VA	2	30 A	ELECTRIC HEATER EH-3	48	
49	ROOF TOP HEAT TRACE		1	25 A	2	2080 VA	4000 VA		--	--		50	
51	--		--	--		2080 VA	1000 VA		2	30 A	ROLLING GATE OPERATOR	52	
53	CONDENSING UNIT CU-1		20 A	2			1664 VA	1000 VA	--	--		54	
55	--		--	--	1664 VA	1000 VA			2	30 A	ROLLING GATE OPERATOR	56	
57	CONDENSING UNIT CU-2		20 A	2			1664 VA	1000 VA	--	--		58	
59	--		--	--			1664 VA	600 VA	1	20 A	WATER SOFTENER WS-1	60	
					Total Load:	27524 VA	27926 VA	28379 VA					
					Total Amps:	229 A	233 A	237 A					

Legend:

Branch Panel: SH

Location: SHELL STORAGE 162
 Supply From: LDP
 Mounting: Surface
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 42KA
 Mains Type: MLO
 Mains Rating: 225 A

Notes:

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT	
1	LTS - SHELL		20 A	1	984 VA	1080 VA		1	20 A		SHELL STORAGE 161, EXTERIOR	2	
3	LTS - SHELL		20 A	1		1025 VA	900 VA		1	20 A	SHELL STORAGE 161	4	
5	LTS - SHELL		20 A	1			820 VA	900 VA	1	20 A	SHELL STORAGE 161	6	
7	LTS - SHELL		20 A	1	820 VA	2080 VA			2	25 A	HEAT TRACE	8	
9	Spare		20 A	1		0 VA	2080 VA		--	--		10	
11	Spare		20 A	1		0 VA	2080 VA	0 VA	2080 VA	--	HEAT TRACE	12	
13	Spare		20 A	1	0 VA	2080 VA			--	--		14	
15	Spare		20 A	1		0 VA	0 VA		1	20 A	Spare	16	
17	Spare		20 A	1			0 VA	0 VA	1	20 A	Spare	18	
19	Spare		20 A	1	0 VA	0 VA			1	20 A	Spare	20	
21	Spare		20 A	1		0 VA	0 VA		1	20 A	Spare	22	
23	Spare		20 A	1			0 VA	0 VA	1	20 A	Spare	24	
25	Spare		20 A	1	0 VA	0 VA			1	20 A	Spare	26	
27	Spare		20 A	1		0 VA	0 VA		1	20 A	Spare	28	
29	Spare		20 A	1			0 VA	0 VA	1	20 A	Spare	30	
31	Spare		20 A	1	0 VA	0 VA			1	20 A	Spare	32	
33	Spare		20 A	1		0 VA	0 VA		1	20 A	Spare	34	
35	Spare		20 A	1			0 VA	0 VA	1	20 A	Spare	36	
37	Spare		20 A	1	0 VA	0 VA			1	20 A	Spare	38	
39	Spare		20 A	1		0 VA	0 VA		1	20 A	Spare	40	
41	Spare		20 A	1			0 VA	0 VA	1	20 A	Spare	42	
					Total Load:	7044 VA	4005 VA	3800 VA					
					Total Amps:	59 A	34 A	32 A					

Legend:

Branch Panel: M

Location: ELECTRICAL 134
 Supply From: LDP
 Mounting: SURFACE
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 42K
 Mains Type: MLO
 Mains Rating: 1000 A

Notes:

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT	
1	ENERGY RECOVERY VENT ERV-1		175 A	3	17333 VA	7349 VA		3	80 A		HEAT PUMP HP-1A	2	
3	--		--	--		17333 VA	7349 VA		--	--		4	
5	--		--	--			17333 VA	7349 VA	--	--		6	
7	ROOF TOP UNIT RTU-1		45 A	3	2882 VA	7349 VA		3	80 A		HEAT PUMP HP-1B	8	
9	--		--	--		2882 VA	7349 VA		--	--		10	
11	--		--	--			2882 VA	7349 VA	--	--		12	
13	ROOF TOP UNIT RTU-2		45 A	3	2882 VA	8012 VA		3	90 A		HEAT PUMP HP-2A	14	
15	--		--	--		2882 VA	8012 VA		--	--		16	
17	--		--	--			2882 VA	8012 VA	--	--		18	
19	ROOF TOP UNIT RTU-3		45 A	3	3362 VA	8012 VA		3	90 A		HEAT PUMP HP-2B	20	
21	--		--	--		3362 VA	8012 VA		--	--		22	
23	--		--	--			3362 VA	8012 VA	--	--		24	
25	HEAT PUMP HP-4A		80 A	3	7349 VA	8012 VA		3	80 A		HEAT PUMP HP-3A	26	
27	--		--	--		7349 VA	8012 VA		--	--		28	
29	--		--	--			7349 VA	8012 VA	--	--		30	
31	HEAT PUMP HP-4B		80 A	3	7349 VA	8012 VA		3	90 A		HEAT PUMP HP-3B	32	
33	--		--	--		7349 VA	8012 VA		--	--		34	
35	--		--	--			7349 VA	8012 VA	--	--		36	
37	HEAT PUMP HP-5		50 A	3	4563 VA	0 VA		1	20 A		Spare	38	
39	--		--	--		4563 VA	0 VA		1	20 A	Spare	40	
41	--		--	--			4563 VA	0 VA	1	20 A	Spare	42	
					Total Load:	92468 VA	92468 VA	92468 VA					
					Total Amps:	771 A	771 A	771 A					

Legend:

Branch Panel: L1

Location: INVESTIGATIONS 110
 Supply From: LDP
 Mounting: Recessed
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 10KA
 Mains Type: MLO
 Mains Rating: 225 A

Notes:

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT	
1	REC - TOILET ROOM 102		20 A	1	180 VA	180 VA		1	20 A		REC - INVESTIGATIONS 110	2	
3	REC - SEC WAITING 104, CORR 105		20 A	1		1260 VA	180 VA		1	20 A	REC - INVESTIGATIONS 110	4	
5	REC - MONITORING 107		20 A	1			720 VA	180 VA	1	20 A	REC - INVESTIGATIONS 110	6	
7	REC - MONITORING 107		20 A	1	360 VA	180 VA			1	20 A	REC - INVESTIGATIONS 110	8	
9	REC - MONITORING 107		20 A	1		360 VA	180 VA		1	20 A	REC - INVESTIGATIONS 110	10	
11	REC - MONITORING 107		20 A	1			720 VA	180 VA	1	20 A	REC - INVESTIGATIONS 110	12	
13	REC - SERGEANT 109		20 A	1	900 VA	180 VA			1	20 A	REC - INVESTIGATIONS 110	14	
15	REC - SERGEANT 111		20 A	1		900 VA	180 VA		1	20 A	REC - INVESTIGATIONS 110	16	
17	REC - ADMIN 112		20 A	1			900 VA	180 VA	1	20 A	REC - INVESTIGATIONS 110	18	
19	REC - COPY 113		20 A	1	540 VA	180 VA			1	20 A	REC - INVESTIGATIONS 110	20	
21	REC - COPY 113 PRINTER		20 A	1		180 VA	180 VA		1	20 A	REC - INVESTIGATIONS 110	22	
23	REC - SERGEANT 114		20 A	1			900 VA	180 VA	1	20 A	REC - INVESTIGATIONS 110	24	
25	REC - LIEUTENANT 115		20 A	1	900 VA	180 VA			1	20 A	REC - INVESTIGATIONS 110	26	
27	REC - BRIEFING 116		20 A	1		1080 VA	180 VA		1	20 A	REC - INVESTIGATIONS 110	28	
29	REC - BRIEFING 116		20 A	1			720 VA	180 VA	1	20 A	REC - INVESTIGATIONS 110	30	
31	REC - BRIEFING 116 COUNTER		20 A	1	360 VA	720 VA			1	20 A	REC - INVESTIGATIONS 110	32	
33	PWR - DOOR SECURITY		20 A	1		1250 VA	1080 VA		1	20 A	REC - INVESTIGATIONS 110	34	
35	--		--	--			1080 VA		1	20 A	REC - INVESTIGATIONS 110	36	
37	Spare		20 A	1	0 VA	900 VA			1	20 A	REC - INVESTIGATIONS 110	38	
39	Spare		20 A	1		0 VA	0 VA		1	20 A	Spare	40	
41	Spare		20 A	1			0 VA	0 VA	1	20 A	Spare	42	
					Total Load:	5760 VA	7010 VA	5940 VA					
					Total Amps:	48 A	59 A	50 A					

Legend:

Branch Panel: L2

Location: PATROL 120
 Supply From: LDP
 Mounting: Recessed
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 22KA
 Mains Type: MLO
 Mains Rating: 225 A

Notes:

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT
1	REC - CAPTAIN 117		20 A	1	1260 VA	360 VA		1	20 A		REC - PATROL 120	2
3	REC - SERGEANT 118		20 A	1		1080 VA	360 VA		1	20 A	REC - PATROL 120	4
5	REC - SERGEANT 119		20 A	1			1080 VA	360 VA	1	20 A	REC - PATROL 120	6
7	REC - SERGEANT 121		20 A	1	900 VA	360 VA			1	20 A	REC - PATROL 120	8
9	REC - SERGEANT 122		20 A	1		900 VA	360 VA		1	20 A	REC - PATROL 120	10
11	REC - SERGEANT 123		20 A	1			900 VA	360 VA	1	20 A	REC - PATROL 120	12
13	REC - LIEUTENANT 124		20 A	1	900 VA	360 VA			1	20 A	REC - PATROL 120	14
15	REC - LIEUTENANT 125		20 A	1		1080 VA	360 VA		1	20 A	REC - PATROL 120	16
17	REC - COMM VEHICLE SAFETY 126		20 A	1			540 VA	360 VA	1	20 A	REC - PATROL 120	18

Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
 contribution to the compliance with the
 code requirements of the International Building Code
 and the Idaho Building Code. This approval shall not be construed to be
 an approval of any violation of, or variance
 from, Idaho's adopted codes, standards,
 laws or rules applicable to this project.

Branch Panel: L3														
Location: BREAK ROOM 146				Volts: 120/208 Wye				A.I.C. Rating: 22KA						
Supply From: LDP				Phases: 3				Mains Type: MLO						
Mounting: Recessed				Wires: 4				Mains Rating: 225 A						
Enclosure: Type 1														
Notes: 1) PROVIDE AND INSTALL EQUIPMENT RATED GROUND FAULT CIRCUIT BREAKER.														
CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT		
1	REC - TRAINING 108 TV/SCREEN E	20 A	1		720 VA	900 VA		1	20 A	1	REC - BREAK RM 146, DRY STOR...	2		
3	REC - TRAINING 108	20 A	1			1080 VA	540 VA		20 A	1	REC - BREAK RM 146	4		
5	REC - TRAINING 108	20 A	1				720 VA	1200 VA	1	20 A	1	REC - BREAK RM 146 MICROWAVE	6	
7	REC - TRAINING 108	20 A	1		1080 VA	1200 VA			1	20 A	1	REC - BREAK RM 146 MICROWAVE	8	
9	REC - TRAINING 108 TV/SCREEN W	20 A	1			540 VA	180 VA		1	20 A	1	REC - BREAK RM 146 COUNTER	10	
11	REC - TRAINING 108 BF	20 A	1				360 VA	180 VA	1	20 A	1	REC - BREAK RM 146 COUNTER	12	
13	REC - TRAINING 108 BF	20 A	1		360 VA	180 VA			1	20 A	1	REC - BREAK RM 146 COUNTER	14	
15	REC - TRAINING 108 BF	20 A	1			360 VA	1200 VA		1	20 A	1	REC - BREAK RM 146 DISPOSAL	16	
17	REC - TRAINING 108 BF	20 A	1				360 VA	750 VA	1	20 A	1	REC - BREAK RM 146 DW	18	
19	REC - TRAINING 108 BF	20 A	1		360 VA	180 VA			1	20 A	1	REC - BREAK RM 146 COFFEE...	20	
21	REC - TRAINING 108 BF	20 A	1			360 VA	180 VA		1	20 A	1	REC - BREAK RM 146 COFFEE...	22	
23	REC - TRAINING 108 BF	20 A	1				360 VA	720 VA	1	20 A	1	REC - BREAK RM 146...	24	
25	REC - TRAINING 108 BF	20 A	1		360 VA	750 VA			1	20 A	1	REC - BREAK RM 146 VENDING	26	
27	REC - TRAINING 108 BF	20 A	1			360 VA	750 VA		1	20 A	1	REC - BREAK RM 146 VENDING	28	
29	REC - TRAINING 108 BF	20 A	1				360 VA	360 VA	1	20 A	1	REC - TOILET ROOM 147	30	
31	REC - TRAINING 108 BF	20 A	1		360 VA	900 VA			1	20 A	1	REC - ARMORER 148	32	
33	REC - TRAINING 108 BF	20 A	1			360 VA	540 VA		1	20 A	1	REC - ARMORER 148	34	
35	REC - TRAINING 108 BF	20 A	1				360 VA	540 VA	1	20 A	1	REC - ARMORER 148	36	
37	REC - TRAINING 108 BF	20 A	1		360 VA	720 VA			1	20 A	1	REC - FILE/MAIL/COPY 150	38	
39	REC - TRAINING 108 BF	20 A	1			360 VA	180 VA		1	20 A	1	REC - FILE/MAIL/COPY 150...	40	
41	REC - TRAINING 108 BF	20 A	1				360 VA	720 VA	1	20 A	1	REC - SUPERVISOR 151	42	
43	REC - TRAINING 108 BF	20 A	1		360 VA	900 VA			1	20 A	1	REC - FRONT OFFICE 152	44	
45	REC - TRAINING 108 BF	20 A	1			360 VA	360 VA		1	20 A	1	REC - FRONT OFFICE 152 RECEPT	46	
47	REC - LOBBY 159, VEST 158, EXT	20 A	1				1080 VA	540 VA	1	20 A	1	REC - FRONT OFFICE 152/STOR...	48	
49	REC - LOBBY 159, 159A, 160	20 A	1		900 VA	360 VA			1	20 A	1	REC - FRONT OFFICE 152	50	
51	REC - LOBBY 159 DF	20 A	1			360 VA	540 VA		1	20 A	1	REC - FRONT OFFICE 152...	52	
53	REC - FRONT OFFICE 152 RECEPT	20 A	1				540 VA	360 VA	1	20 A	1	REC - FRONT OFFICE 152...	54	
55	Spare	20 A	1		0 VA	360 VA			1	20 A	1	REC - FRONT OFFICE 152...	56	
57	Spare	20 A	1			0 VA	720 VA		1	20 A	1	REC - 153,TR 154,TR 155, COR 131	58	
59	Spare	20 A	1				0 VA	360 VA	1	20 A	1	REC - CORRIDOR 131 DF	60	
Total Load:					11310 VA	9330 VA	10230 VA							
Total Amps:					95 A	78 A	86 A							


Branch Panel: L4													
Location: WEIGHT ROOM 138				Volts: 120/208 Wye				A.I.C. Rating: 22KA					
Supply From: LDP				Phases: 3				Mains Type: MLO					
Mounting: Recessed				Wires: 4				Mains Rating: 225 A					
Enclosure: Type 1													
Notes: 1) GFCI													
CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT	
1	REC - WEIGHT RM 138 DF	1	20 A	1	360 VA	180 VA			1	20 A	REC - WEIGHT RM 138 FLOOR BOX	2	
3	REC - CHANGING 135	20 A	1			180 VA	180 VA		1	20 A	REC - WEIGHT RM 138 FLOOR BOX	4	
5	REC - CHANGING 136	20 A	1				180 VA	180 VA	1	20 A	REC - WEIGHT RM 138 FLOOR BOX	6	
7	REC - CHANGING 137	20 A	1		180 VA	180 VA			1	20 A	REC - WEIGHT RM 138 FLOOR BOX	8	
9	REC - WEIGHT RM 138	20 A	1			720 VA	180 VA		1	20 A	REC - WEIGHT RM 138 FLOOR BOX	10	
11	REC - WEIGHT RM 138 EQUIPMENT	20 A	1				180 VA	180 VA	1	20 A	REC - WEIGHT RM 138 FLOOR BOX	12	
13	REC - WEIGHT RM 138 EQUIPMENT	20 A	1		180 VA	360 VA			1	20 A	REC - WEIGHT RM 138	14	
15	REC - WEIGHT RM 138 EQUIPMENT	20 A	1			180 VA	540 VA		1	20 A	REC - WEIGHT RM 138 TV	16	
17	REC - WEIGHT RM 138 EQUIPMENT	20 A	1				180 VA	0 VA	1	20 A	Spare	18	
19	REC - WEIGHT RM 138 EQUIPMENT	20 A	1		180 VA	0 VA			1	20 A	Spare	20	
21	REC - CORRIDOR 131, 132 STOR...	20 A	1			180 VA	0 VA		1	20 A	Spare	22	
23	REC - CORR 132, ELEC 134,...	20 A	1				720 VA	0 VA	1	20 A	Spare	24	
25	REC - MECH 133, EXTERIOR	1	20 A	1	1260 VA	0 VA			1	20 A	Spare	26	
27	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	28	
29	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	30	
31	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	32	
33	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	34	
35	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	36	
37	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	38	
39	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	40	
41	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	42	
Total Load:					2880 VA	2160 VA	1620 VA						
Total Amps:					25 A	19 A	14 A						

Branch Panel: L5														
Location: EVIDENCE PROCESSING 141				Volts: 120/208 Wye				A.I.C. Rating: 22KA						
Supply From: LDP				Phases: 3				Mains Type: MLO						
Mounting: Recessed				Wires: 4				Mains Rating: 225 A						
Enclosure: Type 1														
Notes: 1) GFCI BREAKER														
CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT		
1	REC - BULK EVIDENCE 140	20 A	1		1260 VA	720 VA			1	20 A	REC - EVIDENCE PROCESSING 141	2		
3	REC - BULK EV 140 FRIDGE	1	20 A	1			180 VA	720 VA	1	20 A	REC - EVIDENCE PROCESSING 141	4		
5	REC - BULK EV 140 FRIDGE	1	20 A	1				180 VA	180 VA	1	20 A	REC - EVIDENCE PROCESSING 141	6	
7	REC - EVIDENCE TECH 142	20 A	1		900 VA	540 VA			1	20 A	REC - EVIDENCE PROCESSING 141	8		
9	REC - EVIDENCE TECH 142	20 A	1			360 VA	1000 VA		1	20 A	PWR - DOOR SECURITY	10		
11	REC - EVIDENCE TECH 142	20 A	1				180 VA	1000 VA	1	20 A	PWR - DOOR SECURITY	12		
13	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	14		
15	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	16		
17	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	18		
19	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	20		
21	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	22		
23	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	24		
25	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	26		
27	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	28		
29	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	30		
31	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	32		
33	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	34		
35	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	36		
37	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	38		
39	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	40		
41	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	42		
Total Load:					3420 VA	2260 VA	1540 VA							
Total Amps:					29 A	20 A	13 A							

Branch Panel: U1													
Location: DATA 144				Volts: 120/208 Wye				A.I.C. Rating: 10KA					
Supply From: LDP				Phases: 3				Mains Type: MLO					
Mounting: Surface				Wires: 4				Mains Rating: 100 A					
Enclosure: Type 1													
Notes:													
CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT	
1	REC - DATA CENTER 144 RACK	20 A	1		360 VA	1800 VA			2	30 A	208V - DATA CENTER 144 RACK	2	
3	REC - DATA CENTER 144 RACK	20 A	1			360 VA	1800 VA		--	--	--	4	
5	REC - DATA CENTER 144 RACK	20 A	1				360 VA	1800 VA	2	30 A	208V - DATA CENTER 144 RACK	6	
7	REC - DATA CENTER 144 RACK	20 A	1		360 VA	1800 VA			--	--	--	8	
9	REC - DATA CENTER 144 RACK	20 A	1			360 VA	360 VA		1	20 A	REC - DATA 144 DAS EQUIP	10	
11	REC - DATA CENTER 144 RACK	20 A	1				360 VA	360 VA	1	20 A	REC - DATA 144 SEC EQUIP	12	
13		20 A	1		500 VA				1	20 A	DATA 144 ACCESS CONTROL SYS	14	
15	Spare	20 A	1			0 VA	500 VA		1	20 A	DATA 144 DOOR SUPPLY	16	
17	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	18	
19	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare	20	
21	Spare	20 A	1			0 VA	0 VA		1	20 A	Spare	22	
23	Spare	20 A	1				0 VA	0 VA	1	20 A	Spare	24	
25	Spare	20 A	1		0 VA	0 VA			1	20 A	Spare		

This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

These Documents are approved in contribution to the compliance with the mark-ups and notes applied.



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 645 West 25th Street
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 www.musgrovepa.com
 PROJECT NO. 24-091



PROFESSIONAL ENGINEER
 CELESTINE
 20894
 10/29/2024
 ALLEN J. HALVERSON

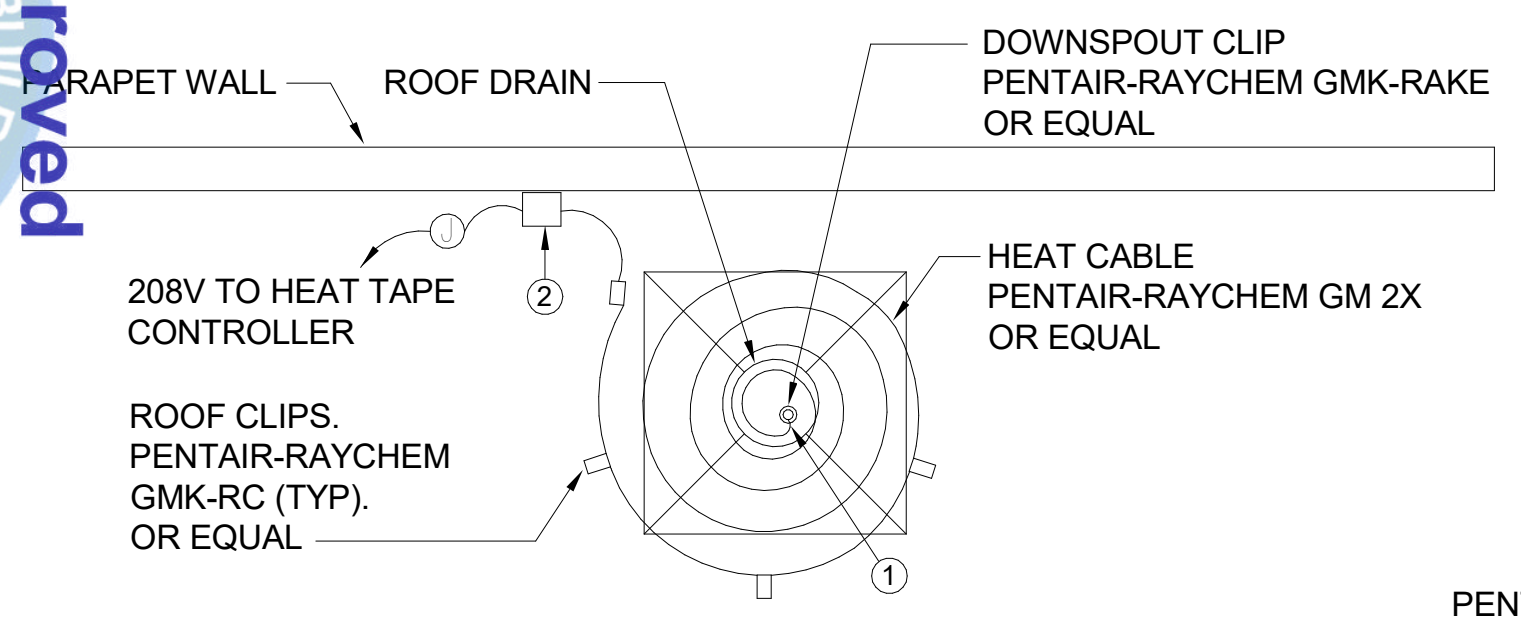
nbwarchitects.p.a.
 ARCHITECTURE / PLANNING / INTERIORS
 990 JOER HOBBS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
 (P) 208-522-8779 (F) 208-522-8795 (W) nbwarchitects.com

REMODEL FOR:
DPW 22511 ISP NEW DISTRICT #6 FACILITY
 1155 FOOTE DRIVE
 IDAHO FALLS, IDAHO 83402
 SHEET TITLE: ELECTRICAL DETAILS

PROJECT NO. 21034
 DATE: NOVEMBER 2024
 DRAWN BY: DH/AH
 CHECKED BY: MNB
 DRAWING NO.:

PROJECT NO. 21034
 DATE: NOVEMBER 2024
 DRAWN BY: DH/AH
 CHECKED BY: MNB
 DRAWING NO.:

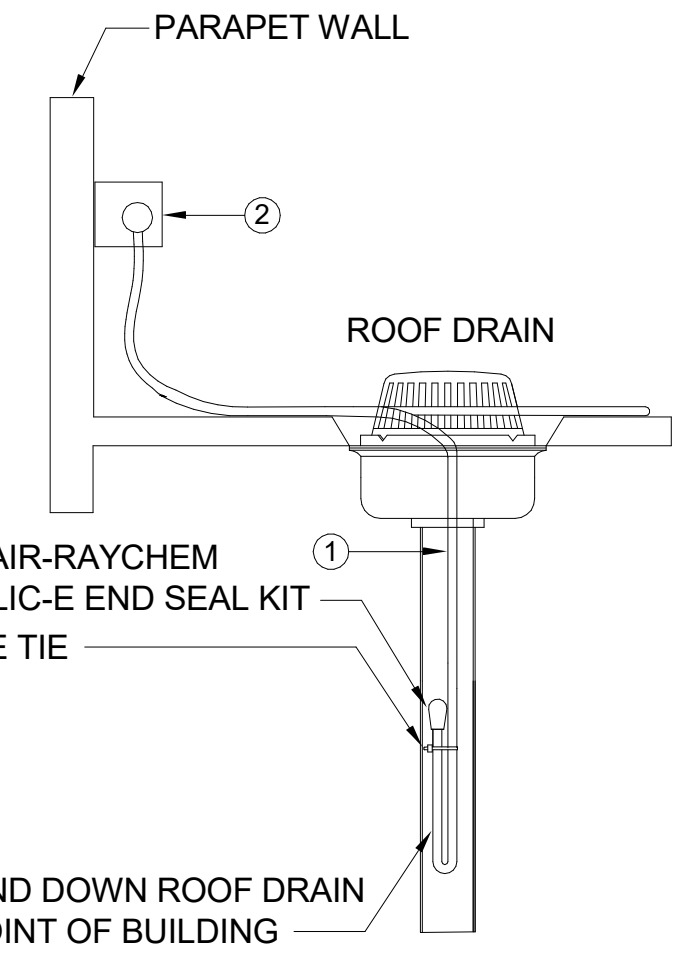
E-500



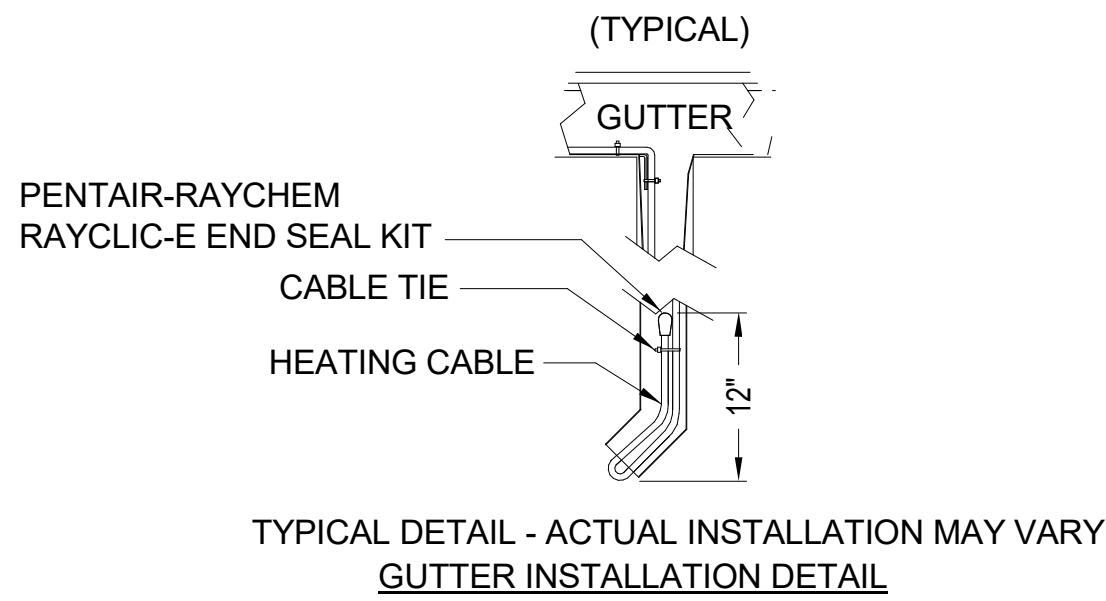
BUILDING HEAT TAPE KEY NOTES:

- ① ENCIRCLE ROOF DRAIN WITH 2 FT LARGEST DIAMETER CIRCLE AND SPIRAL IN WITH 3" SMALLER CIRCLES. HEAT TAPE SHALL RUN DOWN INSIDE THE ROOF DRAIN TO 3 FEET AND LOOP BACK UP TO ROOF DRAIN BASIN.
- ② MOUNT PENTAIR RAYCHEM FTC POWER CONNECTION KIT AT +18" ABOVE ROOF ON PARAPET WALL OR ABOVE CANOPY, OR STEM MOUNT AT +18" ABOVE FINISHED DECK IF NO PARAPET WALL.

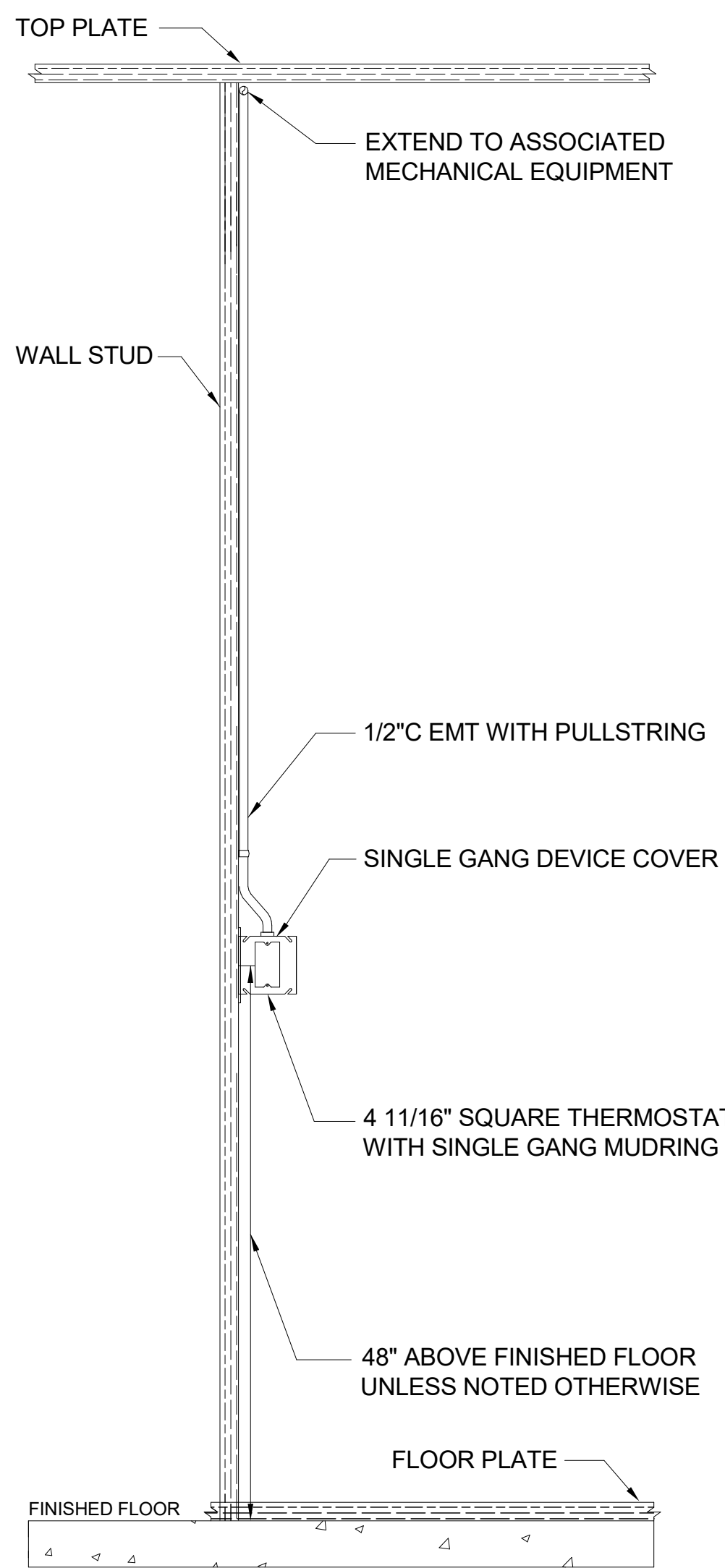
1 HEAT TAPE INSTALLATION DETAIL
 E-500 SCALE: 1" = 1'-0"



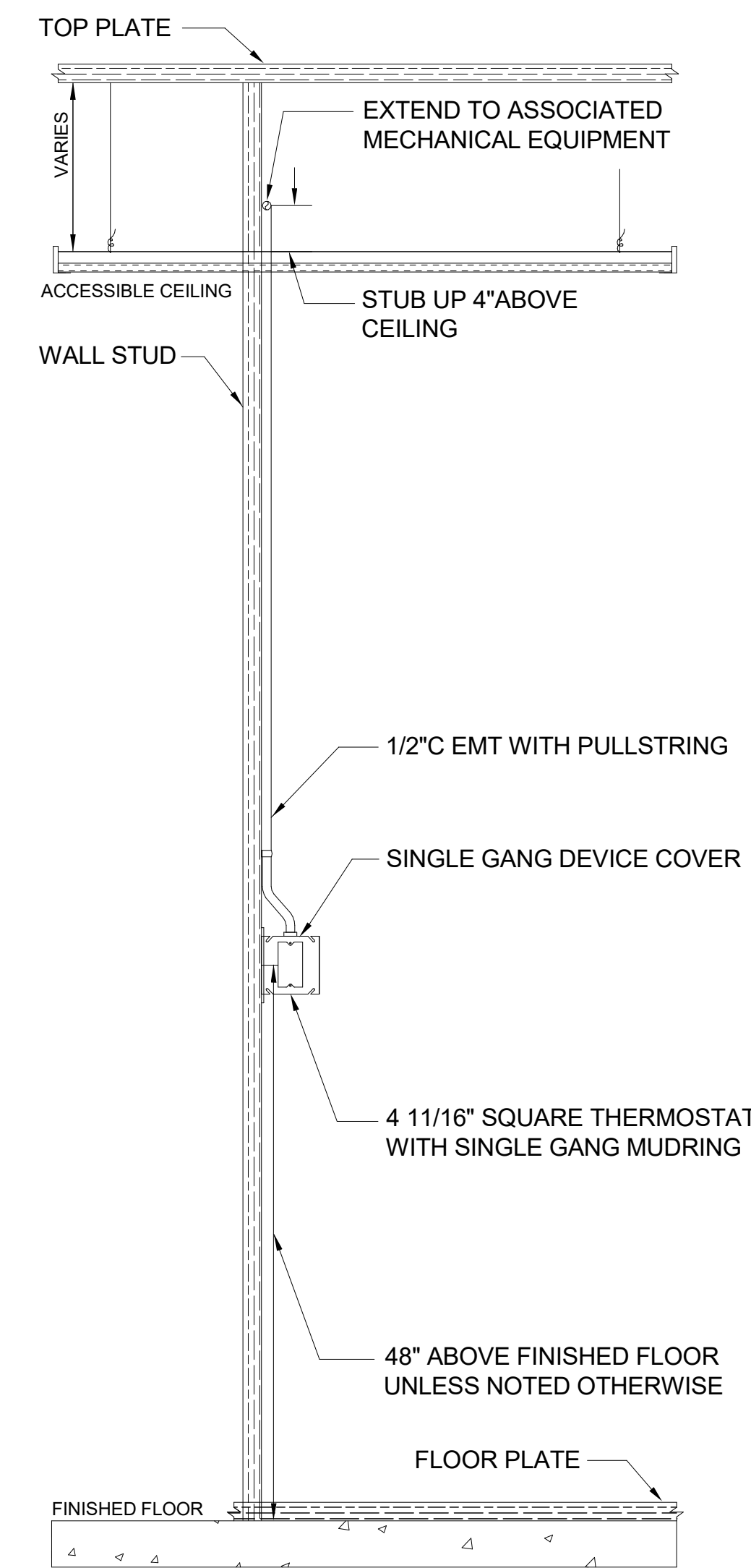
2 POWER CORD DROP DETAIL
 E-500 SCALE: 1" = 1'-0"



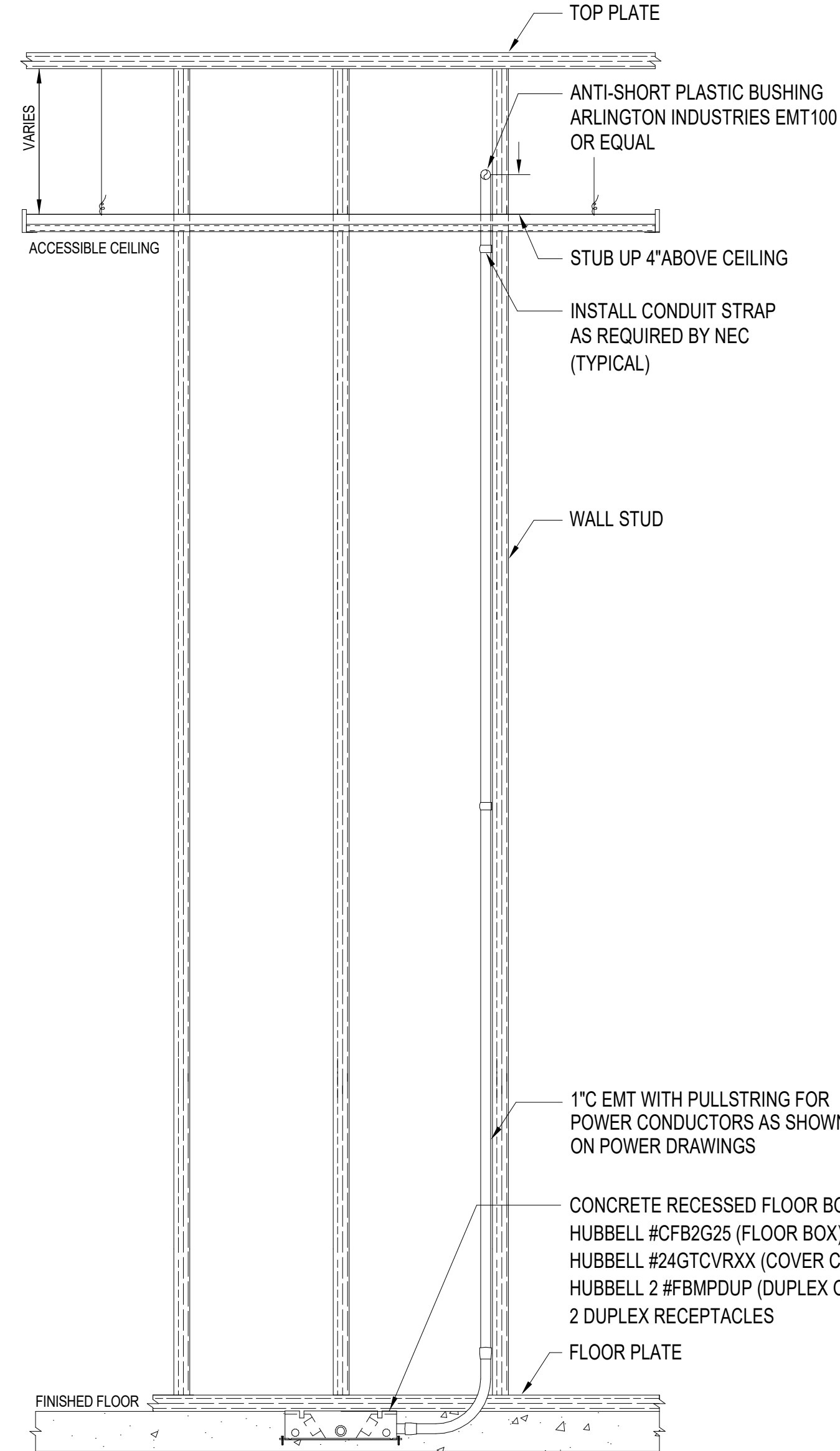
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY
 GUTTER INSTALLATION DETAIL



3 THERMOSTAT - SENSOR ROUGH-IN DETAIL
 E-500 SCALE: 1" = 1'-0"



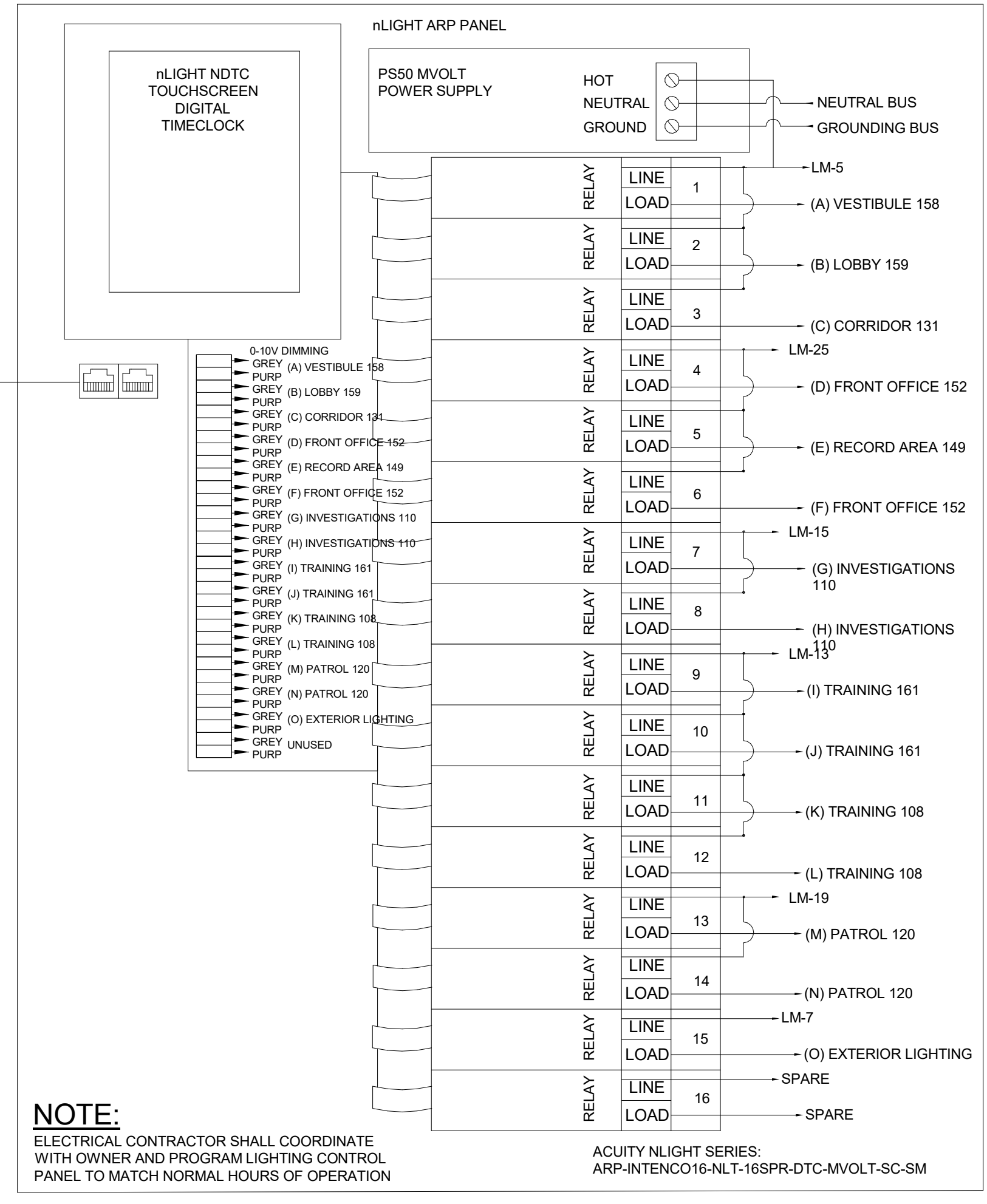
4 THERMOSTAT - SENSOR ROUGH-IN DETAIL LAY-IN CEILING
 E-500 SCALE: 1" = 1'-0"



5 FLOOR BOX DETAIL
 E-500 SCALE: 1" = 1'-0"

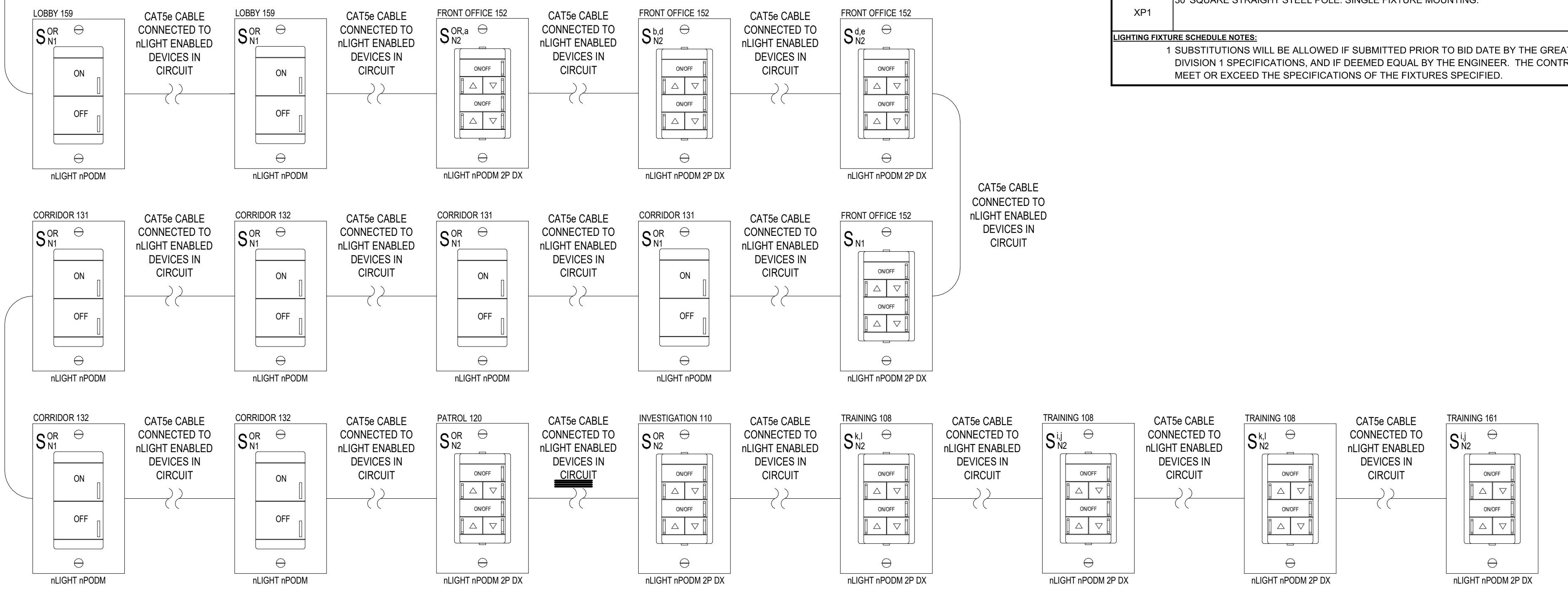
Approved
 State of Idaho
 Division of Building Safety
 These Documents are approved
 in accordance with the
 International Building Code
 and applicable codes, standards,
 rules or rules applicable to the project.

10/29/2024 2:44:07 PM Autodesk Docs://DPW 22511 ISP District 6 HQ/24091-E-R23-DPW 22511 ISP DISTRICT 6 HQ.rvt



LIGHTING FIXTURE SCHEDULE (24-091)						
TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	NOTES
LIGHTING FIXTURE SCHEDULE (24-091)						
TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	NOTES
A1	2'X2' LED FLAT PANEL SWITCHABLE LUMENS SEE KEY NOTE ON LIGHTING PLAN FOR LUMEN OUTPUT SETTING, MVOLT.	CEILING GRID	LED 4000K	22/31/41	LITHONIA: CPANL-2X2-AL01-SWW7-M4 COLUMBIA: CFP22-LSCS	1
A1E	2'X2' LED FLAT PANEL SWITCHABLE LUMENS SEE KEY NOTE ON LIGHTING PLAN FOR LUMEN OUTPUT SETTING, MVOLT. EMERGENCY BATTERY PACK	CEILING GRID	LED 4000K	22/31/41	LITHONIA: CPANL-2X2-AL01-SWW7-M4, ILBLP-CP10-HE-SD-A COLUMBIA: CFP22-LSCS-ELL14	1
B1	2'X4' LED FLAT PANEL SWITCHABLE LUMENS SEE KEY NOTE ON LIGHTING PLAN FOR LUMEN OUTPUT SETTING, MVOLT.	CEILING GRID	LED 4000K	36/45/55	LITHONIA: CPANL-2X4-AL06-SWW7-M2, COLUMBIA: CFP24-LSCS	1
B1E	2'X4' LED FLAT PANEL SWITCHABLE LUMENS SEE KEY NOTE ON LIGHTING PLAN FOR LUMEN OUTPUT SETTING, MVOLT. EMERGENCY BATTERY PACK	CEILING GRID	LED 4000K	36/45/55	LITHONIA: CPANL-2X4-AL06-SWW7-M2, ILBLP-CP10-HE-SD-A COLUMBIA: CFP24-LSCS-ELL14	1
C1	6" LED WAFER DOWNLIGHT 1150 LUMENS, FINISH BY OWNER	RECESSED	LED 4000K	13	LITHONIA: WF6-SWW5-90CRI-COLOR-M6, WF6643-PAN-U ENVISION LED: LED-SL-PNL-6R-3P15W-SOCT-WH + CUNV-NC-ICAT-7H	1
D1	LED HIGH BAY FIXTURE 12,000-18,000 LUMENS WHITE FINISH	SUSPENDED	LED 4000K/5000K	93/106/132	LITHONIA NO. CPRB-AL013-MVOLT-80CRI-DWH	1
D1E	LED HIGH BAY FIXTURE 12,000-18,000 LUMENS WHITE FINISH, EMERGENCY BATTERY	SUSPENDED	LED 4000K/5000K	93/106/132	LITHONIA NO. CPRB-AL013-MVOLT-80CRI-DWH-RBAY BLDE40WCP M4	1
E1	LED EXIT SIGN, SINGLE/DUAL FACE, WALL OR CEILING MOUNT, GREEN OR RED	AS INDICATED ON PLANS	LED	1	LITHONIA: EXRG-EL-M6 COMPASS LIFE SAFETY: CERG	1
H1	4" LED STRIP WITH ROUND LENSE, AIRCRAFT CABLE SUSPENSION MVOLT, 80CRI, 4000K, 5000LM 0-10V DIMMING, FINISH BY OWNER	AIRCRAFT CABLE	LED 4000K	25.5	LITHONIA: CLX-L48-5000LM-SEF-RDL-MVOLT-GZ10-40K-80CRI-FINISH-ZACVH M100 COLUMBIA: MPS4-40ML-CW-ED1U CM96NF-KIT	1
H2	4" LED STRIP WITH ROUND LENSE, AIRCRAFT CABLE SUSPENSION MVOLT, 80CRI, 4000K, 5000LM 0-10V DIMMING, FINISH BY OWNER	AIRCRAFT CABLE	LED 4000K	31.8	LITHONIA: CLX-L48-5000LM-SEF-RDL-MVOLT-GZ10-40K-80CRI-FINISH-ZACVH M100 COLUMBIA: MPS4-40ML-CW-ED1U CM96NF-KIT	1
H2E	4" LED STRIP WITH ROUND LENSE, AIRCRAFT CABLE SUSPENSION, EMERGENCY MVOLT, 80CRI, 4000K, 5000LM 0-10V DIMMING, FINISH BY OWNER	AIRCRAFT CABLE	LED 4000K	31.8	LITHONIA: CLX-L48-5000LM-SEF-RDL-MVOLT-GZ10-40K-80CRI-PS1050-FINISH-ZACVH M100 COLUMBIA: MPS4-40ML-CW-ED1U-ELL14 CM96NF-KIT	1
H3	4" LED STRIP WITH DROP LENSE, AIRCRAFT CABLE SUSPENSION MVOLT, 80CRI, 4000K, 5000LM, WITH OCCUPANCY SENSOR 0-10V DIMMING, FINISH BY OWNER	AIRCRAFT CABLE	LED 4000K	41	LITHONIA: ZL10-L48-5000LM-FST-MVOLT-40K-80CRI-LBHOSZU-WH COLUMBIA: MPS4-40ML-CW-ED1U CM96NF-KIT	1
H3E	4" LED STRIP WITH DROP LENSE, AIRCRAFT CABLE SUSPENSION, EMERGENCY MVOLT, 80CRI, 4000K, 5000LM 0-10V DIMMING, FINISH BY OWNER	AIRCRAFT CABLE	LED 4000K	41	LITHONIA: ZL10-L48-5000LM-FST-MVOLT-40K-80CRI-E10WCLP-LBHOSZU-WH COLUMBIA: MPS4-40ML-CW-ED1U-ELL14 CM96NF-KIT	1
K1	6" VANDAL RESISTANT DOWNLIGHT ROUND, 2000LM MVOLT, 85CRI, 4000K	RECESSED	LED 4000K	19.7	GOTHAM: EVO6VR-40/20-AR-LD--WD-CGL-MVOLT-GZ10-NLT LIFESHIELD: LTR(VR)-6RD-H-ML20L-DM1 LTR-6RD-T-ML40K8WD-SS LTR-6RD-CEVR-WT	1
K1E	6" VANDAL RESISTANT DOWNLIGHT ROUND, 2000LM MVOLT, 85CRI, 4000K 0-10 VOLT DIMMING, MATTE-DIFFUSE, EMERGENCY BATTERY PACK	RECESSED	LED 4000K	19.7	GOTHAM: EVO6VR-40/20-AR-LD--WD-CGL-MVOLT-GZ10-NLTER-ELRSD LIFESHIELD: LTR(VR)-6RD-H-ML20L-DM1EM LTR-6RD-T-ML40K8WD-SS LTR-6RD-CEVR-WT	1
X1	ARCHITECTURAL WALL SCONCE, 2000 LUMENS MVOLT, 80CRI, 4000K 0-10 VOLT DIMMING, FINISH BY OWNER	SURFACE	LED 4000K	18	LITHONIA: WDG2-LED-P2-40K-80CRI-VF-MVOLT-SRM-FINISH BEACON PRODUCTS: RWL1-48L-15-4K7-4W-UNV-***	1
X1E	ARCHITECTURAL WALL SCONCE, 2000 LUMENS MVOLT, 80CRI, 4000K 0-10 VOLT DIMMING, FINISH BY OWNER, EMERGENCY BATTERY PACK	SURFACE	LED 4000K	10.2	LITHONIA: WDG2-LED-P2-40K-80CRI-VF-MVOLT-SRM-E20WC-FINISH BEACON PRODUCTS: RWL1-48L-15-4K7-4W-UNV-***EH	1
X2	6" LED DOWNLIGHT, MVOLT 1500 LUMENS, FINISH BY OWNER 0-10 VOLT DIMMING	RECESSED	LED 4000K	10.2	LITHONIA: LDN6-40/10-L06AR-FINISH-MVOLT-GZ10-FCM-WL PRESCOLITE LFR-6RD-M-15L40K8-MD-DM1 LFR-6RD-T-SS-CL LFR-6RD-H	1
X2E	6" LED DOWNLIGHT, MVOLT 1500 LUMENS, FINISH BY OWNER 0-10 VOLT DIMMING, EMERGENCY BATTERY PACK	RECESSED	LED 4000K	28.3	LITHONIA: LDN6-40/10-L06AR-FINISH-MVOLT-GZ10-FCM-WL PRESCOLITE LFR-6RD-M-15L40K8-MD-DM1EM LFR-6RD-T-SS-CL LFR-6RD-H	1
X3	WALL SCONCE, UP AND DOWN ILLUMINATION, 2700 LUMENS 120-277V, 80CRI, 4000K 0-10 VOLT DIMMING, FINISH BY OWNER	SURFACE	LED 4000K	30	OCL: VA2-010A-08-NF-FINISH-LED2-40K-UNV-DM1 INSIGHT LIGHTING: SSM-UD-MO-40K-30-WM-***DIM-***	1
X4	FLAG POLE SPOT LIGHT NARROW SPOTLIGHT OPTIC	KNUCKLE/YOKE	LED 4000K	21	LITHONIA: DSXF1 LED-P1-40K-NSP-MVOLT-MOUNTING-FINISH BY ARCHITECT	1
X5	POLE MOUNTED AREA LUMINAIRE 30,068 LUMENS, TYPE TFTM DISTRIBUTION MOUNTING TO BE DETERMINED BY ELECTRICAL CONTRACTOR, COLOR BY ARCHITECT	POLE	LED 4000K	219	LITHONIA NO. DSX2-LED-P3-40K-TFTM-MVOLT-MOUNTING-XX	1
XP1	30" SQUARE STRAIGHT STEEL POLE, SINGLE FIXTURE MOUNTING.	NA	NA	NA	LITHONIA: SSS-30-5G-DM19-FINISH HUBBELL OUTDOOR LIGHTING: SSS-H-30-50-B-1-S2-COLOR US ARCHITECTURAL/SUN VALLEY: SNTS305-71 1/COLOR	1

LIGHTING FIXTURE SCHEDULE NOTES:
 1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.



1 LIGHTING CONTROL PANEL
 E-601 SCALE: 1/2" = 1'-0"

