

CODE REQUIRED INSPECTIONS

NOTE: THE FOLLOWING DOCUMENTS ARE REQUIRED BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED. ADDITIONAL DOCUMENTS MAY BE REQUIRED AS THE WORK PROGRESSES.

1. CODE INSPECTION REPORT RECOMMENDING THAT A CERTIFICATE OF OCCUPANCY BE ISSUED.
2. FINAL REPORT FROM THE SPECIAL INSPECTION AGENCY.
3. CERTIFICATE OF FIRE CLEARANCE FROM THE STATE FIRE MARSHALL.
4. REPORT OF THE DISINFECTION OF THE POTABLE WATER SYSTEM. IPC 610
5. A CERTIFICATE OF COMPLIANCE FROM THE APPROVED FABRICATOR, IBC 1704.2.2

REFER TO SHEET G050, AS WELL AS MECHANICAL AND ELECTRICAL COMCHECKS (SEE SPECIFICATIONS APPENDIX).

DEFERRED SUBMITTALS

NOTE: WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL. SUBMITTALS SHALL BE SUPPLIED TO THE BUILDING OFFICIAL FOR REVIEW WITH AN ACCOMPANIED APPROVED SUBMITTAL FROM THE ARCHITECT. THE GENERAL CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE INSPECTOR TO DISCUSS THE DEFERRED SUBMITTAL REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION.

SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWING AND SPECIFICATIONS FOR ADDITIONAL DEFERRED SUBMITTAL REQUIREMENTS.

DEFERRED SUBMITTALS LIST

1. FIRE ALARMS SYSTEMS
2. FIRE SPRINKLER SYSTEMS
3. VIBRATION AND SEISMIC CONTROL FOR PLUMBING PIPING AND EQUIPMENT
4. VIBRATION AND SEISMIC CONTROL FOR HVAC EQUIPMENT

APPLICABLE CODES

INTERNATIONAL BUILDING CODE	2021	NATIONAL ELECTRICAL CODE	2020
INTERNATIONAL MECHANICAL CODE	2021	UNIFORM CODE FOR BUILDING CONSERVATION	N/A
INTERNATIONAL FUEL GAS CODE	2021	ADA ACCESSIBILITY GUIDELINES	ICC/ANSI A117.1-2017
INTERNATIONAL PLUMBING CODE	2021	* 2018 INTERNATIONAL EXISTING BUILDING CODE	
INTERNATIONAL FIRE CODE	2021	* TITLE 18 SALT LAKE CITY ORDINANCES - BUILDING AND CONSTRUCTION	
INTERNATIONAL ENERGY CONSERVATION CODE	2021	* AUGUST 2017 SALT LAKE COUNTY DESIGN & CONSTRUCTION STANDARDS & PROCEDURES	
ZONING ORDINANCES	SALT LAKE CITY, UT	* CURRENT SALT LAKE COUNTY GENERAL CONDITIONS	
LIFE SAFETY 101			

BID PACKAGE GENERAL NOTES

- A. THIS BID PACKAGE SHALL BE BID IN ITS ENTIRETY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THE ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
- B. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OF CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
- C. IN CASE OF ANY DISCREPANCY WITHIN THE CONTRACT DOCUMENTS, THE MOST STRINGENT REQUIREMENT OR MOST COSTLY OPTION SHALL APPLY, UNLESS CLARIFICATION IS SOUGHT IN WRITING AND RECEIVED FROM THE ARCHITECT PRIOR TO BIDDING. THE CONTRACTOR SHALL BRING ANY KNOWN DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT AS SOON AS POSSIBLE, AND IN ANY EVENT, PRIOR TO COMMENCING AFFECTED WORK.
- D. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS BETWEEN VENDOR DRAWINGS AND THE CONTRACT DOCUMENTS. THE LATEST VENDOR DRAWINGS SHALL GOVERN AND BE VERIFIED WITH THE OWNER AND THE ARCHITECT.
- E. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. NOT ALL ELEMENTS OF THE DRAWINGS MAY BE DRAWN TO EXACT SCALE. ALL REQUIRED DIMENSIONS ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE DRAWINGS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED. DIMENSIONS ARE TO BE COORDINATED WITH ALL DISCIPLINES, VENDORS AND OWNER-FURNISHED EQUIPMENT, FURNITURE AND DEVICES TO ASSURE PROPER PLACEMENT AND WARRANTY REQUIREMENTS.
- F. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS. SEE THE G-SERIES SHEETS FOR PARTIAL REGULATORY INFORMATION, INCLUDING CODE COMPLIANCE TABLES, RATED ASSEMBLY TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS.
- G. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION, AND COORDINATE ANY DISCREPANCIES WITH THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK.
- H. THE CONTRACTOR SHALL PROTECT ALL EXISTING FIRE-RESISTANCE-RATED ASSEMBLIES AND SPRAY-APPLIED STRUCTURAL FIREPROOFING FROM DAMAGE. PATCH AND FULLY REPAIR ANY DAMAGE TO SUCH ITEMS, WHETHER EXISTING OR CAUSED BY NEW CONSTRUCTION OR DEMOLITION ACTIVITIES, TO LIKE-NEW CONDITION IN ACCORDANCE WITH THE ORIGINAL LISTED SYSTEMS. SEAL ALL EXISTING AND NEW ASSEMBLY PENETRATIONS WITH LISTED FIRE-RESISTANCE-RATED ASSEMBLIES, WHERE OCCUR, TO MAINTAIN THE INTEGRITY OF THE ASSEMBLIES.
- I. ALL UNUSED FLOOR SLAB PENETRATIONS 36 SQUARE INCHES OR LESS IN AREA ARE TO BE INFILLED USING 4,000 PSI CONCRETE FOR THE FULL DEPTH OF THE EXISTING SLAB.
- J. IF THERE ARE ANY DISCREPANCIES BETWEEN OR WITHIN THE CONTRACT DOCUMENTS, THEN THE MORE STRINGENT REQUIREMENT AND GREATER EXPENSE WILL BE ENFORCED.

Salt Lake County

CLARK PLANETARIUM NEW SPACE TENANT IMPROVEMENT

110 S 400 W, Salt Lake City UT,
84101

Nexus Project #: 22070

Owner Project #:

31 AUGUST 2023

CONSTRUCTION DOCUMENTS (BP-2, P.1)

THIS PROJECT CONSISTS OF THE FIRST NEW CONSTRUCTION PHASE OF A (2) PHASE RENOVATION OF AN EXISTING TENANT SPACE. THE SCOPE OF WORK OF PHASE I INCLUDES THE INSTALLATION OF NEW WALLS, CEILINGS, DOORS, MILLWORK, PLUMBING, AND FINISHES.

A LEGIBLE FULL SET OF APPROVED PLANS AND DOCUMENTS IS REQUIRED TO BE ON-SITE FOR INSPECTIONS.



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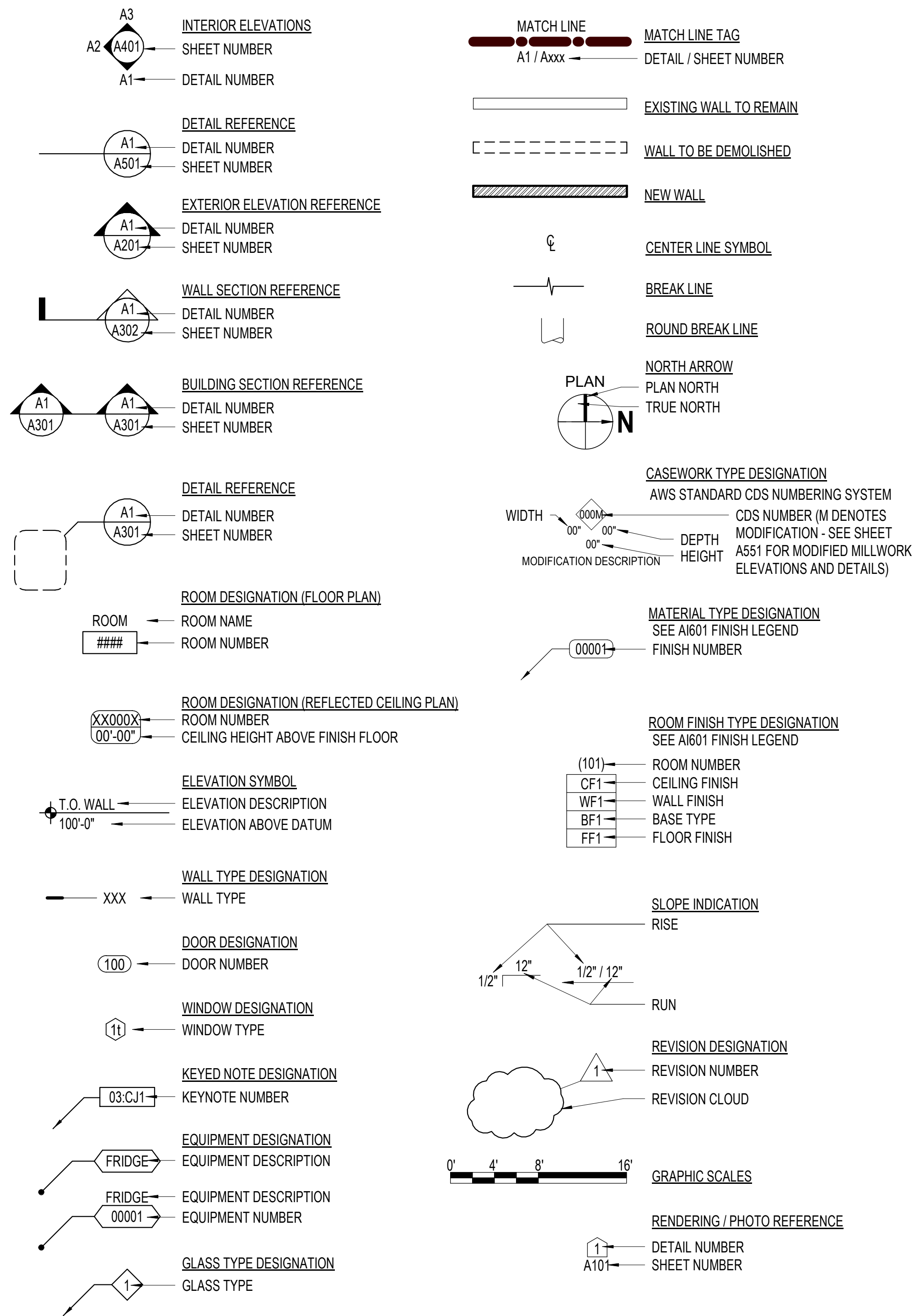


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LIST OF ABBREVIATIONS

A	A/C AIR CONDITIONING AD AREA DRAIN AFC ABOVE FINISHED CEILING AFF ABOVE FINISHED FLOOR AHU AIR HANDLING UNIT ALUM ALUMINUM ANOD ANODIZED ARCH ARCHITECT @ AT	G	GA GAUGE GALV GALVANIZED GFRC GLASS-FIBER-REINFORCED CONCRETE GFRG GLASS-FIBER-REINFORCED GYPSUM GL GLASS GWB GYPSUM WALL BOARD GYP GYPSUM	R	R RISER OR RADIUS RAD RADIUS RCP REFLECTED CEILING PLAN RD ROOF DRAIN REF REFRIGERATOR REQD REQUIRED REV REVISION RH RELATIVE HUMIDITY RM ROOM RO ROUGH OPENING RTU ROOF TOP UNIT RWL RAIN WATER LEADER
B	BD BOARD BLDG BUILDING BO BOTTOM OF	H	H HIGH HB HOSE BIBB HDR HEADER HM HOLLOW METAL HPT HIGH POINT HR HOUR HT HEIGHT	S	S SMOKE DETECTOR SAM SELF ADHESIVE MEMBRANE SCHED SCHEDULE SECT SECTION SIM SIMILAR SPEC SPECIFICATION SS STAINLESS STEEL STD STANDARD STRUCT STRUCTURAL
C	C CELSIUS CCSF CLOSED-CELL SPRAY-APPLIED FOAM CH COAT HOOK CFI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	I	I INSIDE DIAMETER; INSIDE DIMENSION IN INCH INFO INFORMATION INT INTERIOR	T	T TREAD TEL TELEPHONE TEMP TEMPORARY THK THICK TOC TOP OF CONCRETE TOM TOP OF MASONRY TOP TOP OF PARAPET TOS TOP OF SLAB; TOP OF STEEL TOW TOP OF WALL TYP TYPICAL TO TOP OF
D	CG CORNER GUARD CI CONTINUOUS INSULATION CJ CONTROL JOINT CL CENTERLINE CLG CEILING CLO CLOSET CLR CLEAR CMU CONCRETE MASONRY UNIT COL COLUMN CONC CONCRETE CONT CONTINUOUS CORR CORRIDOR CT CERAMIC TILE CTJ CONSTRUCTION JOINT CUH CABINET UNIT HEATER	J	J JANITOR	U	UL UNDERWRITER'S LABORATORIES UNO UNLESS NOTED OTHERWISE
E	DEEP DEG DEGREE DEMO DEMOLITION DF DRINKING FOUNTAIN DIA DIAMETER DIM DIMENSION DN DOWN DS DOWNSPOUT DWGS DRAWINGS	K	(NOT USED)	V	VCT VINYL COMPOSITE TILE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD
F	FAHRENHEIT FA FIRE ALARM FACP FIRE ALARM CONTROL PANEL FDC FIRE DEPARTMENT CONNECTION FD FLOOR DRAIN FEC FIRE EXTINGUISHER CABINET FE FIRE EXTINGUISHER FFE FINISH FLOOR ELEVATION FF&E FINISHES, FURNITURE & EQUIPMENT FG FINISH GRADE FHC FIRE HOSE CABINET FIN FINISH FLR FLOOR FND FOUNDATION FO FINISHED OPENING FOC FACE OF CONCRETE FOM FACE OF MASONRY FOS FACE OF STUD FOW FACE OF WALL FRG FIBER REINFORCED GYPSUM FSP FIRE STANDPIPE FT FEET	L	LAB LABORATORY LAV LAVATORY LBS POUNDS LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LPT LOW POINT	W	W WITH W/O WITHOUT WD WOOD WH WALL HYDRANT WP WORKING POINT WRB WEATHER RESISTIVE BARRIER
G	GAUGE GALVANIZED GLASS-FIBER-REINFORCED CONCRETE GLASS-FIBER-REINFORCED GYPSUM GLASS GYPSUM WALL BOARD GYPSUM	M	MACH RM MACHINE ROOM MAX MAXIMUM MFR MANUFACTURER MECH MECHANICAL MEZZ MEZZANINE MIN MINIMUM MO MASONRY OPENING	X.Y.Z	(NOT USED)
H	HIGH HOSE BIBB HEADER HOLLOW METAL HIGH POINT HOUR HEIGHT	N	NEW N/A NOT APPLICABLE NIC NOT IN CONTRACT NOM NOMINAL NTS NOT TO SCALE	THE PRECEDING LIST OF ABBREVIATIONS IS PRESENTED AS A GENERAL GUIDE AND DOES NOT NECESSARILY SHOW ALL ABBREVIATIONS USED. OTHER GENERALLY ACCEPTED ABBREVIATIONS MAY BE FOUND AMONG THE DRAWINGS - SOME ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED WITHIN THIS DRAWING SET.	
I	INSIDE DIAMETER; INSIDE DIMENSION INCH INFORMATION INTERIOR	O	OC ON CENTER OD OUTSIDE DIAMETER; OUTSIDE DIMENSION OFD OVERFLOW DRAIN OH DR OVERHEAD DOOR OPH OPPOSITE HAND OPP OPPOSITE ORIG ORIGINAL		
J	JANITOR	P	P LAM PLASTIC LAMINATE PLAS PLASTER PLUMB PLUMBING PR PAIR PSI POUNDS PER SQUARE INCH PSF POUNDS PER SQUARE FOOT PVC POLYVINYL CHLORIDE		
K	(NOT USED)	Q	QT QUARRY TILE		

DRAWING SYMBOL LEGEND



HATCH LEGEND

NOTE: HATCHING ANGLES MAY VARY DUE TO ANGLE OF WALL DRAWN, WHILE HATCHING PATTERN REMAINS SIMILAR.

	CAST-IN-PLACE CONCRETE		CONTINUOUS MATERIAL
	CONCRETE MASONRY UNIT		NON CONTINUOUS MATERIAL (BLOCKING)
	PRECAST CONCRETE / GLASS FIBER REINFORCED CONCRETE (GFRC)		GYPSUM BOARD
	STEEL STUDS		PLYWOOD
	WOOD STUDS		EXTERIOR SHEATHING
	BRICK VENEER		GRAVEL
	RIGID INSULATION		UNDISTURBED EARTH
	BATT INSULATION		BACKFILL OR FILL

SHEET INDEX

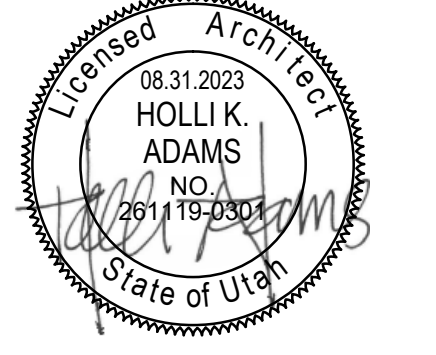
GENERAL:	
G001	COVER SHEET
G050	GENERAL INFORMATION
G050	GENERAL CODE REQUIREMENTS
G101	LEVEL 01 EXITING & OCCUPANCY PLANS
G501	ASSEMBLY TYPES
G701	ACCESSIBILITY COMPLIANCE
ARCHITECTURAL:	
A101	FLOOR PLAN (PHASE I)
A151	REFLECTED CEILING PLAN (PHASE I)
A251	INTERIOR ELEVATIONS AND DOOR SCHEDULES & TYPES
A101	FINISH FLOOR PLAN, FINISH SCHEDULE, AND FINISH LEGEND
A701	TYPICAL DETAILS
A702	TYPICAL DETAILS
MECHANICAL:	
M001	LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS
M002	MECHANICAL GENERAL NOTES
MD100	MECHANICAL DEMOLITION FLOOR PLAN
M101	MECHANICAL FLOOR PLAN
M102	MECHANICAL ROOF PLAN
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
M801	MECHANICAL ZONE PLAN
MPD100	MECHANICAL PIPING DEMOLITION FLOOR PLAN
MP101	MECHANICAL PIPING FLOOR PLAN
PLUMBING:	
PD100	PLUMBING DEMOLITION FLOOR PLAN
P101	PLUMBING FLOOR PLAN
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES
ELECTRICAL:	
E-001	GENERAL NOTES & DETAILS
E-002	SCHEDULES
EDL-101	LEVEL 1 FLOOR PLAN - DEMOLITION AND LIGHTING
EP-102	LEVEL 1 FLOOR PLAN - POWER



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Salt Lake County
CLARK PLANETARIUM NEW SPACE TENANT IMPROVEMENT
110 S 400 W, Salt Lake City UT, 84101

#	Date	Revision
1	10.16.23	Plan Review 01

CONSTRUCTION DOCUMENTS (BP-2, P.I)

NEXUS PROJECT #: 22070
CHECKED BY: Checker
DRAWN BY: Author
DATE: 31 AUGUST 2023

GENERAL INFORMATION

G002

NONSTRUCTURAL COMPONENT CHECKLIST				
ITEM DESCRIPTION	NOT REQUIRED	ON CONSTR. DOCUMENTS	DEFERRED SUBMITTAL	COMMENTS
ARCHITECTURAL COMPONENTS:				
INTERIOR NONSTRUCTURAL WALLS & PARTITIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CANTILEVER ELEMENTS (I.E. PARAPETS, ETC.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EXTERIOR NONSTRUCTURAL WALL ELEMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VENEER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PENTHOUSES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CEILINGS (I.E. SUSPENDED GRID OR HARD-LID)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CABINETS (I.E. STORAGE CABINETS, EQUIP, ETC.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ACCESS FLOORS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
STORAGE RACKS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
APPENDAGES & ORNAMENTATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SIGNS & BILLBOARDS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MEP COMPONENTS:				
FIRE SPRINKLERS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Modify Existing
MECHANICAL EQUIPMENT (I.E. HVAC, FANS, AIR HANDLERS, BOILERS, FURNACES, TANKS, CHILLERS, WATER HEATERS, HEAT EXCHANGERS, EVAPORATORS, ENGINES, TURBINES, PUMPS, COMPRESSORS, MFR EQUIPMENT, ETC.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ELECTRICAL EQUIPMENT (I.E. GENERATORS, BATTERIES, INVERTERS, TRANSFORMERS, MCC, PANEL BOARDS, SWITCH GEAR, CABINETS, ETC.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ELEVATOR & ESCALATOR COMPONENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COMMUNICATION EQUIPMENT, COMPUTERS, INSTRUMENTATION, AND CONTROLS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ROOF-MOUNTED CHIMNEYS, STACKS, COOLING & ELECTRICAL TOWERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LIGHTING FIXTURES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VIBRATION ISOLATED COMPONENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PIPING & CONDUIT SYSTEMS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DUCTWORK (INCLUDING IN-LINE COMPONENTS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CONVEYORS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CABLE TRAYS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MEP SEISMIC SUPPORT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
OTHER:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



CODE ANALYSIS TABLE				
SPECIAL INSPECTIONS LIST:				
Special Inspections for the project must be listed below in accordance with the provisions of IBC 1704 and for miscellaneous areas. Indicate required Special Inspections for the project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the Architect, Engineer, and Owner.				
FABRICATORS (IBC 1704.2.5)				
<input checked="" type="checkbox"/> APPROVED FABRICATOR	FABRICATORS NAME: NA			
<input type="checkbox"/> UNAPPROVED FABRICATOR	FABRICATORS NAME: NA			
IN-PLANT INSPECTIONS: <input type="checkbox"/> STEEL CONSTRUCTION <input type="checkbox"/> WELDING <input type="checkbox"/> DETAILS				
STEEL (IBC 1705.2)				
NOT USED				
CONCRETE CONSTRUCTION (IBC 1705.3 & T1705.3)				
NOT USED				
MASONRY CONSTRUCTION (IBC 1705.4)				
NOT USED				
WOOD CONSTRUCTION (IBC 1705.5)				
NOT USED				
SOILS CONSTRUCTION (IBC 1705.6)				
NOT USED				
DRIVEN DEEP FOUNDATIONS (IBC 1705.7)				
NOT USED				
CAST-IN-PLACE DEEP FOUNDATIONS (IBC 1705.8)				
NOT USED				
HELICAL PILE FOUNDATIONS (IBC 1705.9)				
NOT USED				
SPECIAL INSPECTIONS FOR WIND REQUIREMENTS (IBC 1705.12)				
NOT USED				
SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (IBC 1705.13)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
STRUCTURAL STEEL (1705.13.1)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
STRUCTURAL WOOD (1705.13.2)	<input type="checkbox"/>	<input type="checkbox"/>	NA	NA
A. CONTINUOUS SPECIAL INSPECTION SHALL BE REQUIRED DURING FIELD GLUING OPERATIONS OF THE ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM.				
B. PERIODIC SPECIAL INSPECTION SHALL BE REQUIRED FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS.		<input type="checkbox"/>	NA	NA
COLD-FORMED STEEL FRAMING (1705.13.3)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
DESIGNATED SEISMIC SYSTEMS (1705.13.4)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
ARCHITECTURAL COMPONENTS (1705.13.5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	INTERIOR NONBEARING WALLS
ACCESS FLOORS (1705.13.5.1)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MECHANICAL & ELECTRICAL ITEMS (1705.13.6)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	NA
STORAGE RACKS (1705.13.7)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SEISMIC ISOLATION SYSTEMS (1705.13.8)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES (1705.13.9)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA

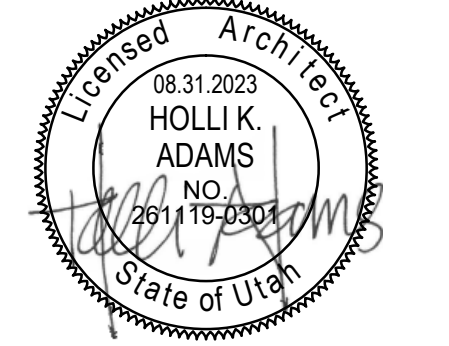
- SPECIAL INSPECTORS SHALL:**
- Be approved by the Building Official (AHJ) prior to performing any duties;
 - Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
 - Inspection reports are to meet the requirements of IBC 1704.2.4 and SLCO General Conditions and Standards standards;
 - Inspection reports are to be submitted to the Code Consultant, Architect, Project Manager, and the SLCO Project Manager within 48 hrs. of inspections;
 - A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications, and applicable codes. (IBC 1704.2.4)

CODE ANALYSIS TABLE				
TESTING & QUALIFICATION FOR SEISMIC RESISTANCE (1705.14)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
STRUCTURAL STEEL (1705.14.1)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SEISMIC CERTIFICATION OF NONSTRUCTURAL COMPONENTS (1705.14.2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	ARCHITECTURAL, MPE ITEMS
SEISMIC ISOLATION SYSTEMS (1705.14.4)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.15)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
PHYSICAL & VISUAL TESTS (1705.15.1)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
STRUCTURAL MEMBER SURFACE CONDITIONS (1705.15.2)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MATERIAL APPLICATION (1705.15.3)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MATERIAL THICKNESS (1705.15.4)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MATERIAL DENSITY (1705.15.5)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
BONDING STRENGTH (1705.15.6)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC 1705.16)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
MATERIAL AND INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (IBC 1705.17)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
MATERIAL AND INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
FIRE-RESISTANT PENETRATIONS AND JOINTS (IBC 1705.18)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
PENETRATION FIRESTOPS (1705.17.1)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
FIRE-RESISTANT JOINT SYSTEMS (1705.17.2)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SMOKE CONTROL (IBC 1705.19)				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
MATERIAL AND INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MISCELLANEOUS AREAS				
THESE INSPECTIONS ARE RECOMMENDED BY THE ARCHITECT/ENGINEER AND APPROVED BY THE UNIVERSITY OF UTAH BUILDING OFFICIAL				
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD	DETAILED INSTRUCTIONS AND FREQUENCIES
SUSPENDED CEILING GRID CLIPS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	THROUGHOUT
SUSPENDED CEILING WIRE SPACING (SEISMIC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	THROUGHOUT
SOILS BACKFILL (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SOILS FOR CURB AND GUTTER (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SOILS FOR PARKING LOTS (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SOILS FOR UTILITY TRENCH BACKFILL	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
REINFORCEMENT FOR SLAB ON GRADE SIDEWALKS AND DRIVE APPROACHES (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
REINFORCEMENT FOR INTERIOR SLAB ON GRADE (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
CONCRETE TESTING FOR SLAB ON GRADE SIDEWALKS AND DRIVE APPROACHES (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
CONCRETE TESTING FOR INTERIOR SLAB ON GRADE (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
MASONRY VENEER (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
ASPHALT INSPECTION (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
ASPHALT TESTING (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
INSPECTION OF SEISMIC RESISTANCE (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
STEAM AND WATER LINE WELDING (SPECIFY LOCATIONS AND FREQUENCY)	<input type="checkbox"/>	<input type="checkbox"/>	-	NA
SEISMIC SUPPORTS FOR DUCTWORK AND SEALING OF JOINTS FOR DUCTWORK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	THROUGHOUT
SEISMIC SUPPORTS FOR ELECTRICAL RACEWAYS, CABLE TRAYS AND LIGHTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	THROUGHOUT
SEISMIC SUPPORTS FOR PLUMBING LINES INCLUDING GAS, WATER AND STEAM AND CONDENSATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	THROUGHOUT
SEISMIC BRACING FOR MECHANICAL UNITS BOTH ON SLAB AND SUSPENDED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	THROUGHOUT



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 110 S 400 W, Salt Lake City UT, 84101

Date Revision
1 10.16.23 Plan Review 01

CONSTRUCTION DOCUMENTS (BP-2, P.I)

NEXUS PROJECT #: 22070
CHECKED BY: Checker
DRAWN BY: Author
DATE: 31 AUGUST 2023

GENERAL CODE REQUIREMENTS

G050

IEBC 2021 - GENERAL CODE REQUIREMENTS ALTERATIONS - LEVEL 2

THIS PROJECT CONSISTS OF THE FIRST NEW CONSTRUCTION PHASE OF A (2) PHASE RENOVATION OF AN EXISTING TENANT SPACE WITHIN THE GATEWAY MALL. THE AFFECTED AREA IS APPROXIMATELY 2,443 SF. THERE IS EXISTING PARKING THAT IS ACCESSIBLE IN AN UNDERGROUND PARKING GARAGE.

OCCUPANCY CLASSIFICATION		MIXED: A-3, B, E, AND S-1
CONSTRUCTION CLASSIFICATION		TYPE I-FR
ACCESSIBILITY FOR EXISTING BUILDINGS (SECTION 305.7)		
WHERE AN ALTERATION AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE.	YES	
THE ACCESSIBLE ROUTE TO THE PRIMARY FUNCTION AREA SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.	YES	
ALTERATIONS - LEVEL 2 COMPLIANCE (CHAPTER 8)		
NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.	YES	
FIRE PROTECTION	EXISTING FIRE SPRINKLERS TO REMAIN WITH A MODIFIED LAYOUT	
MEANS OF EGRESS	EXISTING MEANS OF EGRESS IS MAINTAINED	
STRUCTURAL	THERE ARE NO CHANGES TO THE EXISTING STRUCTURE	
ELECTRICAL	NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 70	
MECHANICAL	RECONFIGURED SPACES INTENDED FOR OCCUPANCY AND SPACES CONVERTED TO HABITABLE OR OCCUPIABLE SPACE IN ANY WORK AREA SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.	
ENERGY CONSERVATION	ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.	

TOTAL NUMBER OF REQUIRED FIXTURES:

OCCUPANCY	OCC. LOAD	WATER CLOSETS			LAVATORIES			DRINKING FOUNTAINS		
		RATIO	MEN	RATIO	WOMEN	RATIO	MEN	WOMEN	RATIO	TOTAL
A-3	88	1 PER 125	0.4	1 PER 65	0.7	1 PER 200	0.3	0.3	1 PER 500	0.2
B	16	1 PER 25 <50	0.4	1 PER 25 <50	0.4	1 PER 40 <80	0.2	0.2	1 PER 100	0.2
		1 PER 50 >50	0.0	1 PER 50 >50	0.0	1 PER 80 >80	0.0	0.0		
E	33	1 PER 50	0.4	1 PER 100	0.4	1 PER 100	0.2	0.2	1 PER 100	0.4
S-1	3	1 PER 100	0.1	1 PER 100	0.1	1 PER 100	0.1	0.1	1 PER 1000	0.1
TOTAL REQUIRED			2		2		1	1		1
TOTAL PROVIDED			2.5		2.5		4.5	4.5		4

LIFE SAFETY LEGEND

- FIRE BARRIER WALLS (1 HOUR):
- SEPARATE STORAGE AREAS FROM ALL OTHER AREAS AND SPACES.
- WALL CONSTRUCTION:**
1 HOUR FIRE-RESISTANCE RATING.
- DOORS:**
45 MIN. RATED (ISC, IBC).

EGRESS SYMBOL LEGEND

- xx-x" TRAVEL DISTANCE TO EXIT
- ▲ OCCUPANT LOAD, EGRESS DIRECTION
- ⊗ LOCATION OF EXIT
- ⊗ EXIT SIGN
- (FEC) SEMI RECESSED FIRE EXTINGUISHER, VERIFY LOCATION WITH OWNER, COORD W/ DETAIL ON SHEET A701, COORD TYPE AND LOCATION W/ LOCAL FIRE MARSHALL

DOOR	OCCUPANT LOAD	REQ'D	PROVIDED
	47'0.2"	9.4"	33"

GENERAL NOTES - REGULATORY PLANS

A. SEE WALL TYPES ON FLOOR PLANS AND RATED WALL ASSEMBLIES IN G500 SHEET SERIES FOR SPECIFIC WALL CONSTRUCTION TO ACHIEVE THE RATINGS SHOWN ON THIS PLAN.

OCCUPANCY TAG

Name	ROOM NAME
150 SF	ROOM AREA
A-3	OCCUPANCY TYPE
000	OCCUPANCY LOAD FACTOR
	OCCUPANT LOAD

EGRESS

⊗ NUMBER OF OCCUPANTS PER EXIT/EGRESS PATH

TRAVEL DISTANCE

EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITH SPRINKLERS:

OCCUPANCY	MAX. TRAVEL DISTANCE
BUSINESS AREAS (B)	300'
ASSEMBLY: NO FIXED STG (A)	250'
STORAGE (S-1)	400'
STORAGE (S-2)	400'
UTILITY / MISC. SERVICES (U-1)	400'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITH SPRINKLERS (OL > 30):

OCCUPANCY	MAX. TRAVEL DISTANCE
BUSINESS AREAS (B)	100'
ASSEMBLY: NO FIXED STG (A-2/A-3)	75'
STORAGE (S-1)	100'
STORAGE (S-2)	100'
UTILITY / MISC. SERVICES (U-1)	75'

PATH OF TRAVEL ●-----●

LEVEL 01		
PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL
1	35' - 11"	35' - 11"
2	30' - 0"	67' - 6"
3	25' - 7"	71' - 5"
4	28' - 0"	125' - 9"

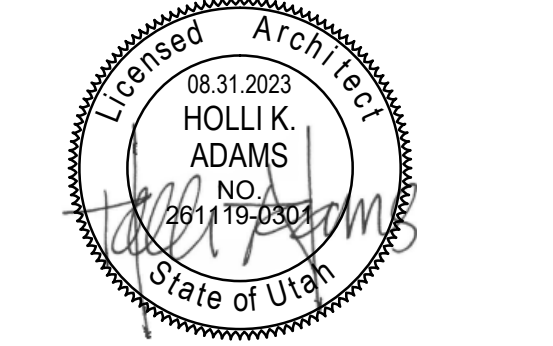
KEYNOTE LEGEND

TAG	KEYNOTE TEXT
02:ET1	EXISTING TOILET ROOM TO REMAIN, NOT IN SCOPE OF WORK

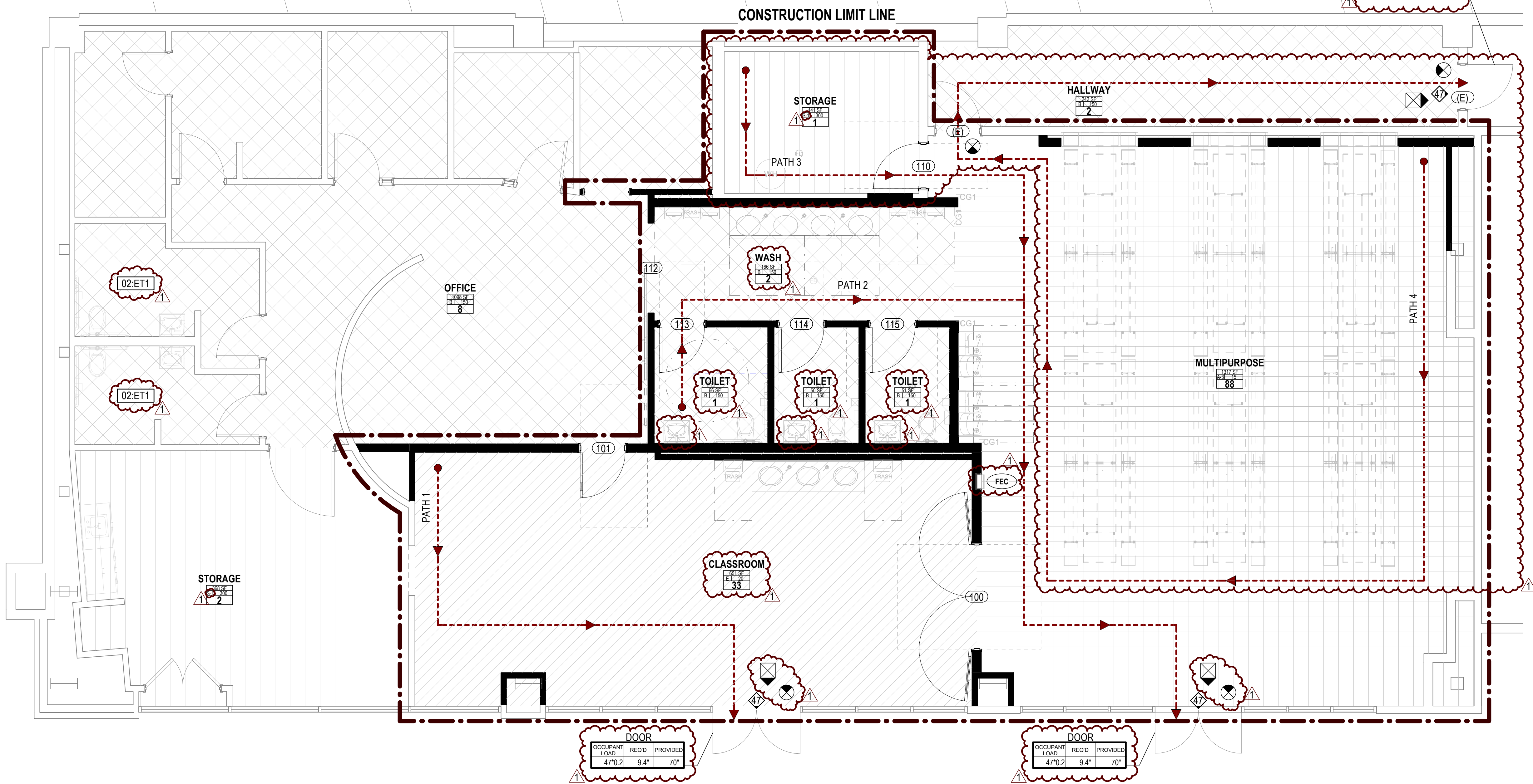


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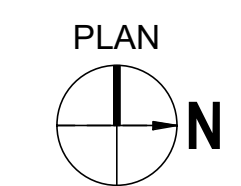
Occupancy Legend

- A-2: Assembly w/o fixed seating: Unconcentrated
- B: Business Areas
- E: Educational: Classroom Area
- U: Accessory Storage areas, mechanical equipment room

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LEVEL 01 EXITING & OCCUPANCY PLANS



G101

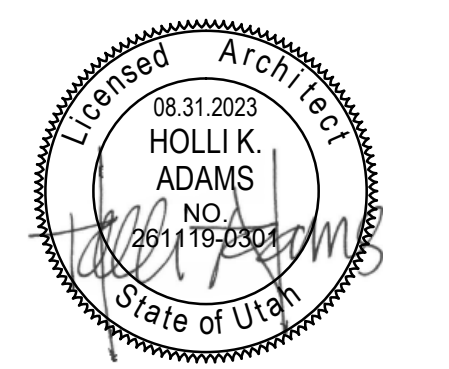
THIS SHEET TO BE VIEWED IN COLOR



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GENERAL NOTES - WALL TYPE ASSEMBLIES

- A. **WALL HEIGHT:** ALL NEW INTERIOR WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE. REFER TO THE LEGENDS ON THIS SHEET AND COORDINATE WITH PLANS.
- B. **TILE BACKER / CEMENT BOARD:** WALL TYPES DESCRIBED ON THIS SHEET DO NOT SHOW OR ACCOUNT FOR REQUIREMENTS WHERE A TILE FINISH OCCURS. WHERE THE FINISH SCHEDULE OR INTERIOR ELEVATIONS CALL FOR TILE, REPLACE GYPSUM BOARD SHOWN IN THAT WALL'S ASSEMBLY WITH TILE BACKER / CEMENT BOARD WHERE THE TILE OCCURS. REPLACE OTHER GYPSUM BOARD SHOWN IN THAT WALL'S ASSEMBLY WITH MOISTURE RESISTANT GYPSUM BOARD WHERE NO TILE OCCURS.
- C. **BACKING / SUPPORT:** WALL TYPES DESCRIBED ON THIS SHEET DO NOT ACCOUNT FOR REQUIRED BACKING. CONTRACTOR TO PROVIDE BACKING / SUPPORT FOR ALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK, AND/OR SYSTEMS FURNITURE. COORDINATE WITH FLOOR PLANS, AND INTERIOR ELEVATIONS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE, OTHERWISE REFER TO DETAILS ON A700 SHEET SERIES.
- D. **STRUCTURAL SHEATHING:** REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL SHEATHING REQUIREMENTS AND ATTACHMENTS.
- E. **SEISMIC BRACING:** PROVIDE SEISMIC BRACING AT ALL WALL TYPES THAT DO NOT EXTEND TO DECK, REFER TO DETAILS ON A700 SHEET SERIES.
- F. **PENETRATIONS:** PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PROVIDED PER G550 SHEET SERIES.
- G. **LISTED ASSEMBLIES:** RATED ASSEMBLIES PROVIDED PER G550 SHEET SERIES.
- H. **ACOUSTIC WALLS:** AT ALL WALLS WITH SOUND ATTENUATION, SEAL ENTIRE TOP AND BOTTOM OF WALL WITH SOUND SEALANT.
- I. **DEFLECTION TRACK:** AT ALL WALLS THAT EXTEND TO STRUCTURE PROVIDE DEFLECTION TRACK. REFER TO DETAILS ON A700 SHEET SERIES.
- J. **RATED WALL PRIORITY:** FOR PARTITION PRIORITY FOR SEQUENCING OF RATED WALL CONSTRUCTION REFER TO DETAILS ON A700 SHEET SERIES.
- K. **INFORMATION IN THE LEGENDS BELOW IS FOR REFERENCE ONLY AND DOES NOT OVERRIDE THE CONTENTS OF THE DETAILS ON THIS SHEET.**
- L. **DO NOT SCALE DRAWINGS.**

INTERIOR WALL TAG LEGEND

S61M(C)

CONSTRUCTION TYPE (SEE BELOW) →
 STRUCTURE THICKNESS (TO NEAREST SIZE) →
 FIRE RATING (AS NEEDED, SEE BELOW) →
 MODIFIERS (AS NEEDED, SEE BELOW) →
 TOP OF WALL CONDITION MODIFIER (SEE BELOW) →

CONSTRUCTION TYPES	FIRE RATING
CONCRETE	C 0 HOUR (SMOKE) 0
MASONRY	M 1 HOUR 1
STEEL STUDS	S 2 HOUR 2
C-H (SHAFTWALL) STUD	H 3 HOUR 3
WOOD STUDS	W 4 HOUR 4
DOUBLE STUD	#D NO RATING NOT SHOWN

MODIFIER EXAMPLES	TOP OF WALL CONDITIONS
ACOUSTIC RATING	A SEE TABLE BELOW
FURRING	F
GYP. ONE SIDE	G
GYP. NO SIDES	N

TOP OF WALL MODIFIERS EXAMPLE
 DETAILS PROVIDED PER A700 SHEET SERIES.

ALL WALLS TO TERMINATE 6" ABOVE CEILING
 WALLS WILL TERMINATE AT 6" ABOVE THE HIGHEST ADJOINING CEILING (UNLESS OTHERWISE NOTED)

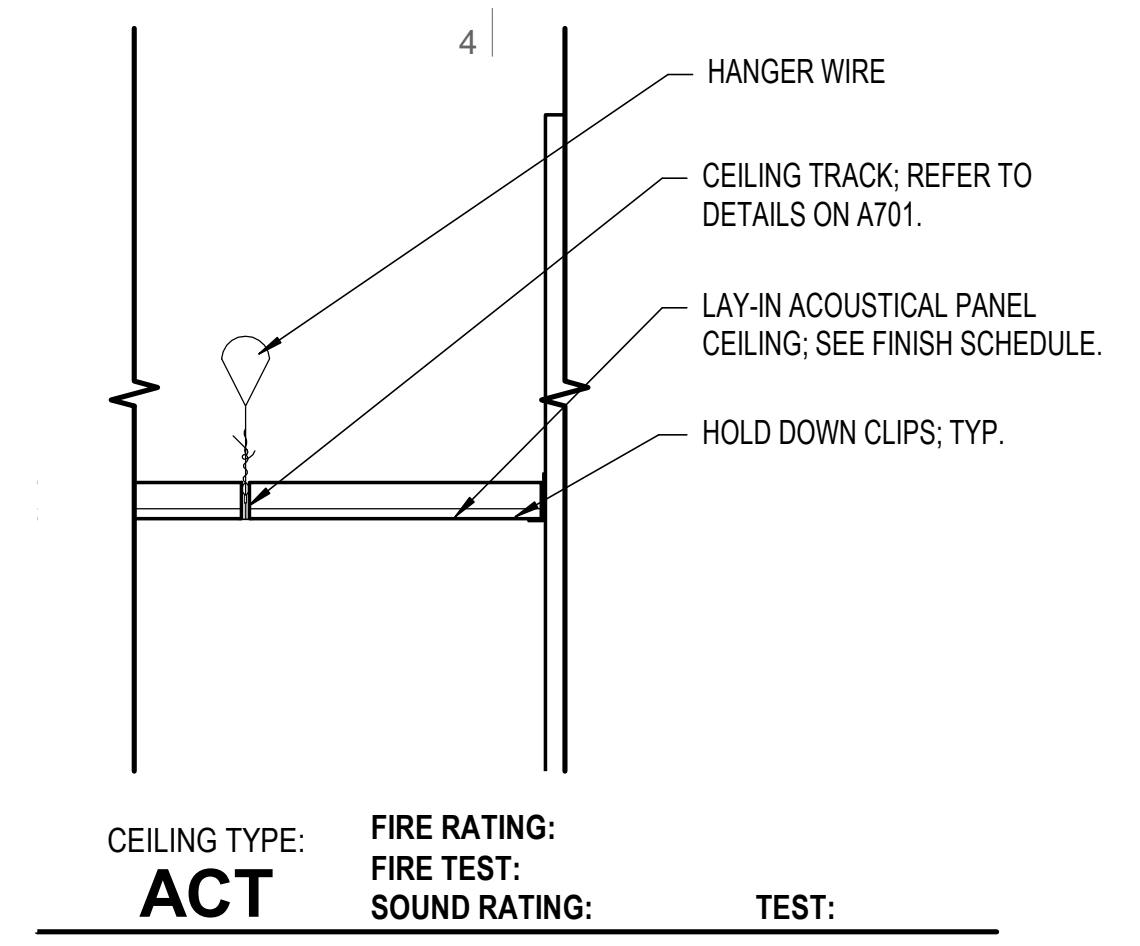
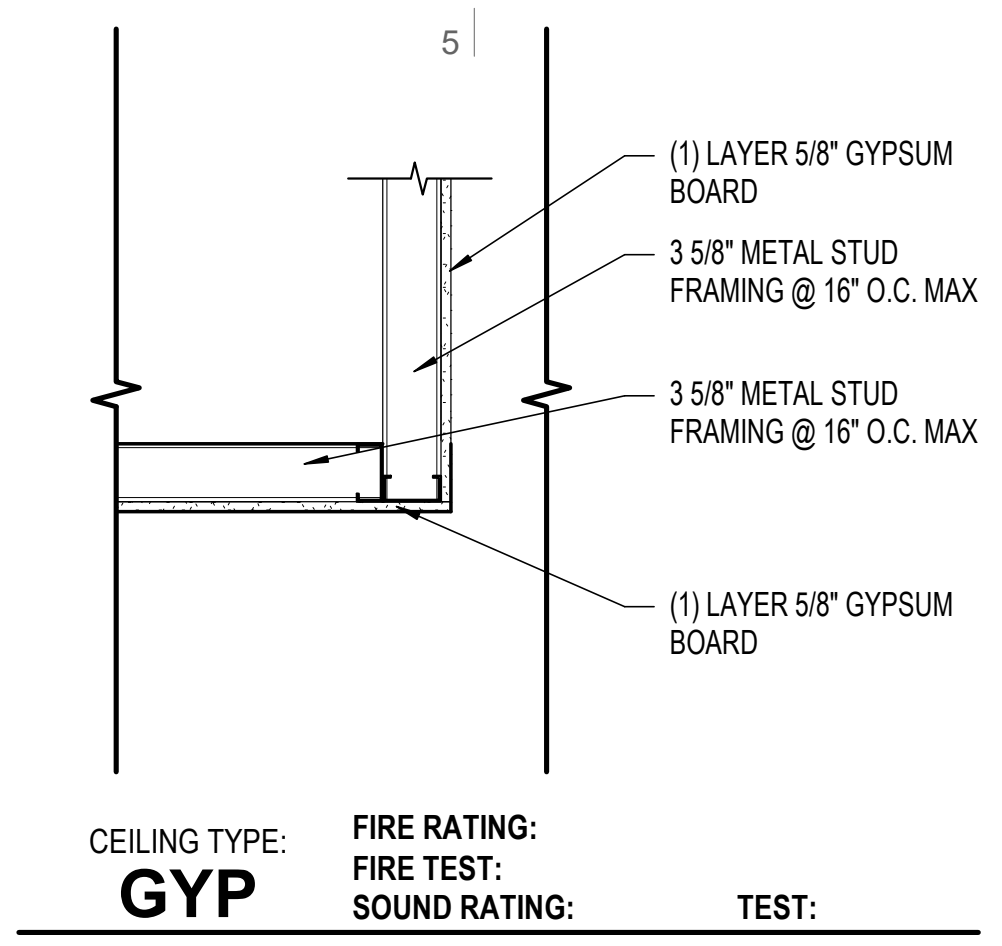
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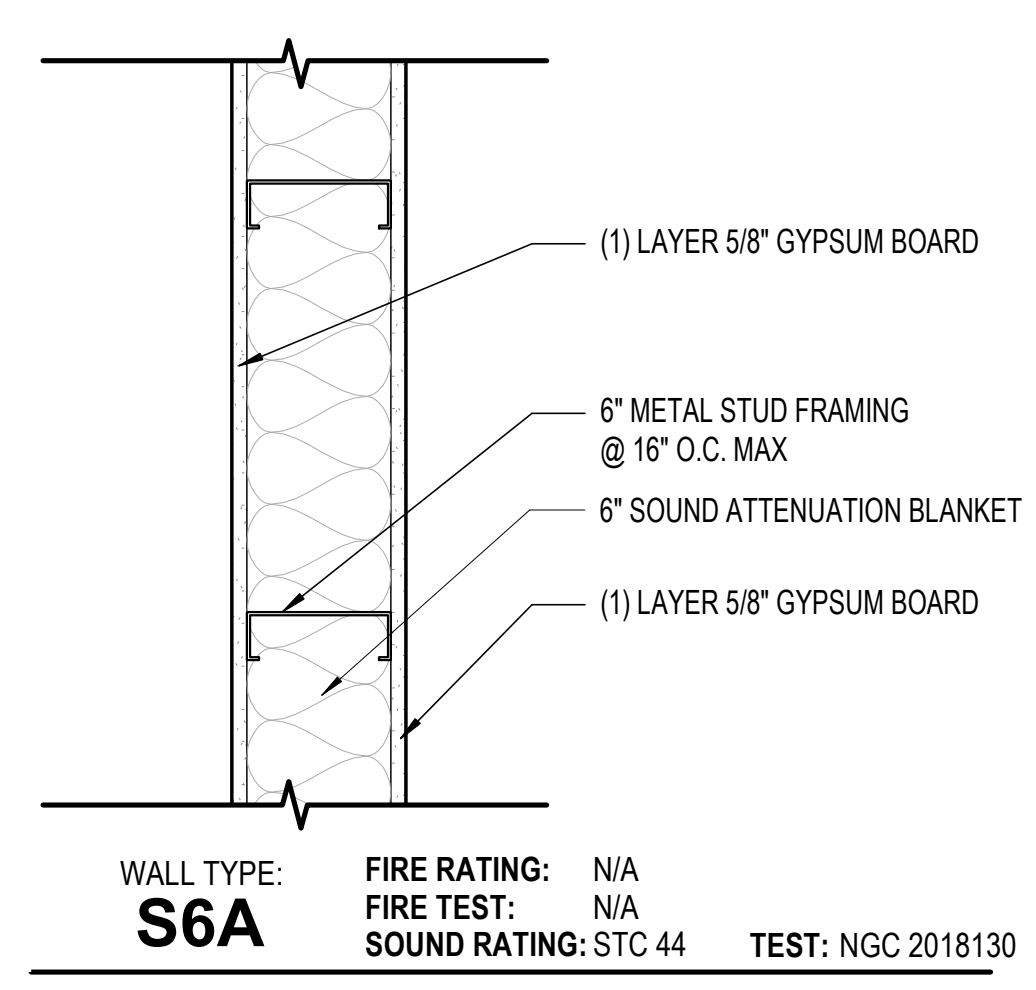
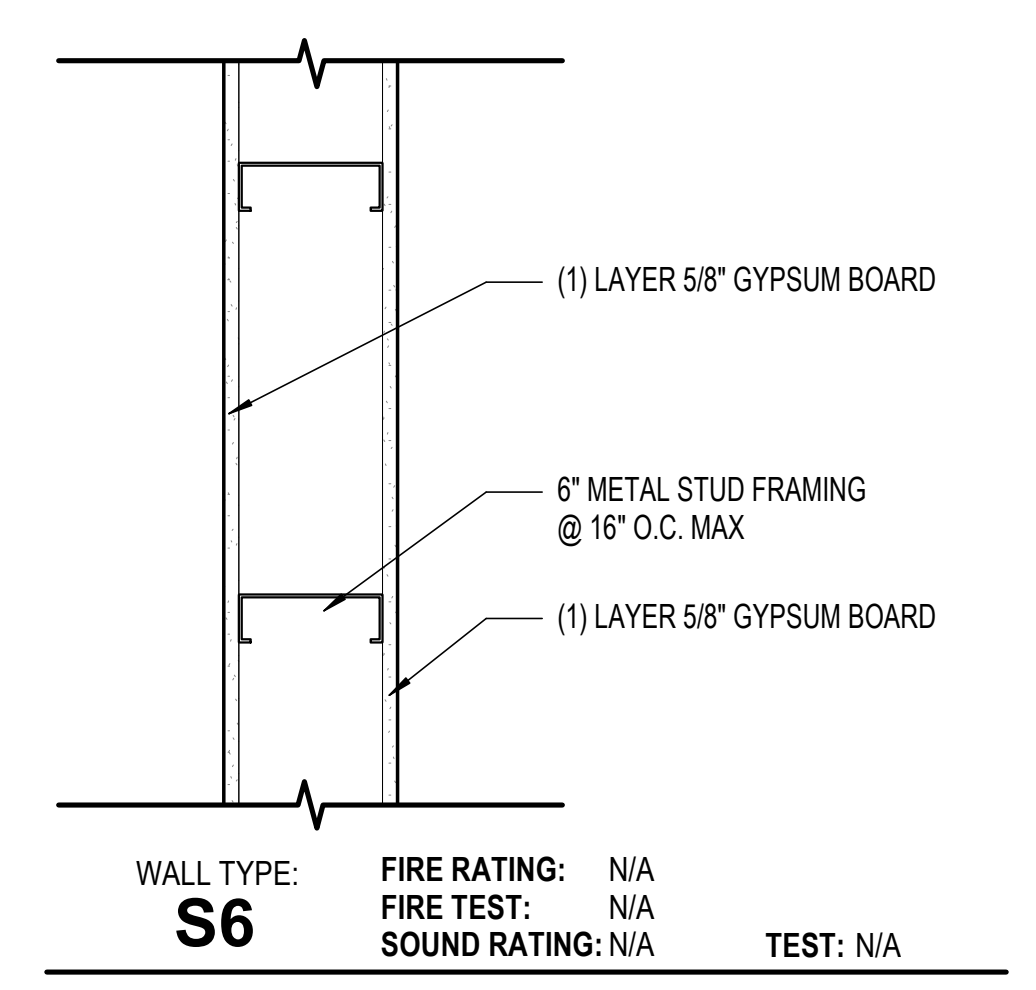
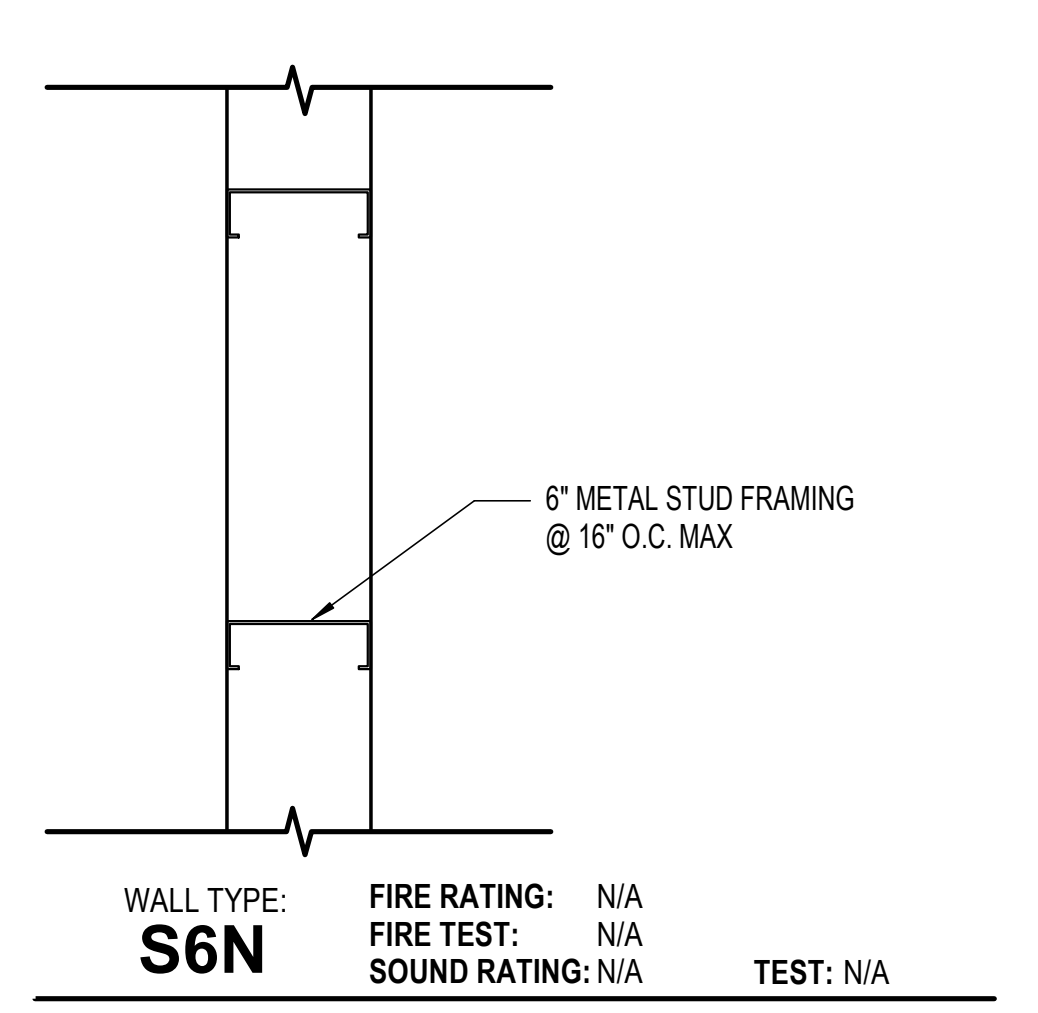
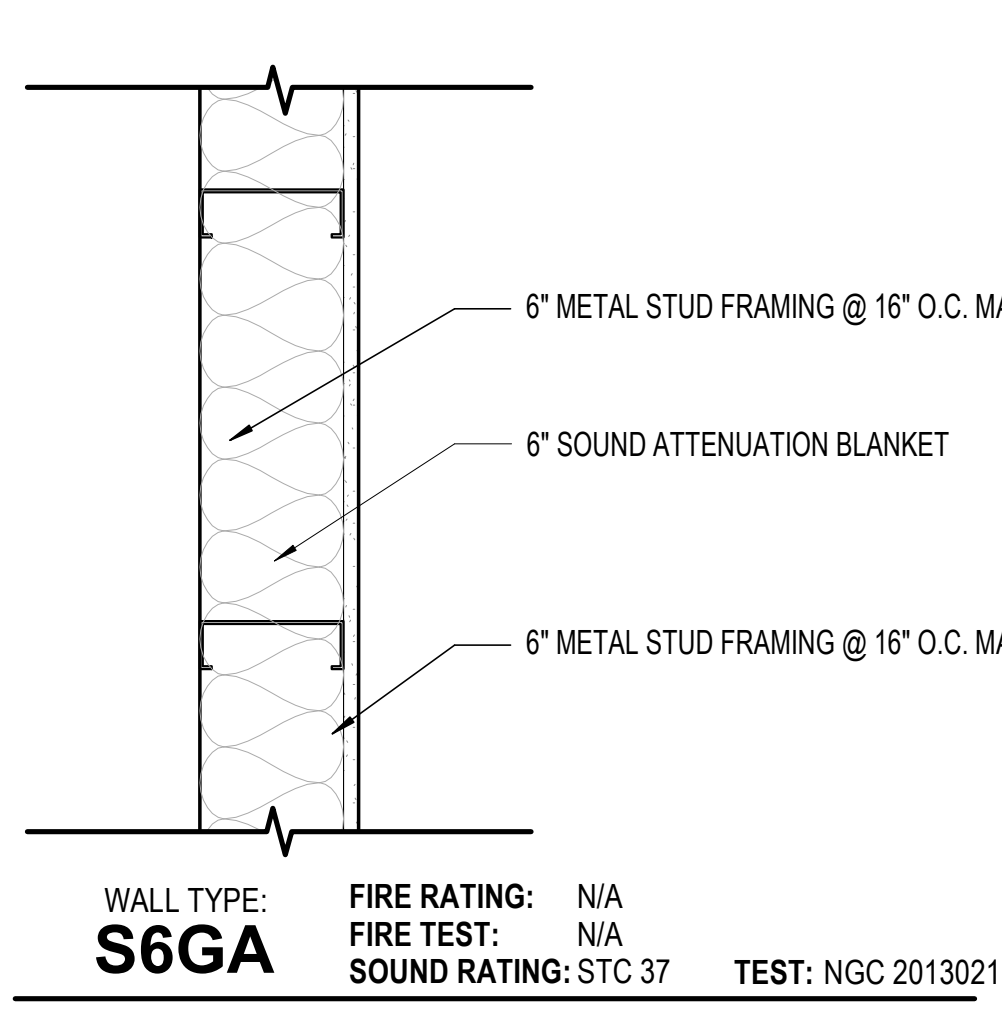
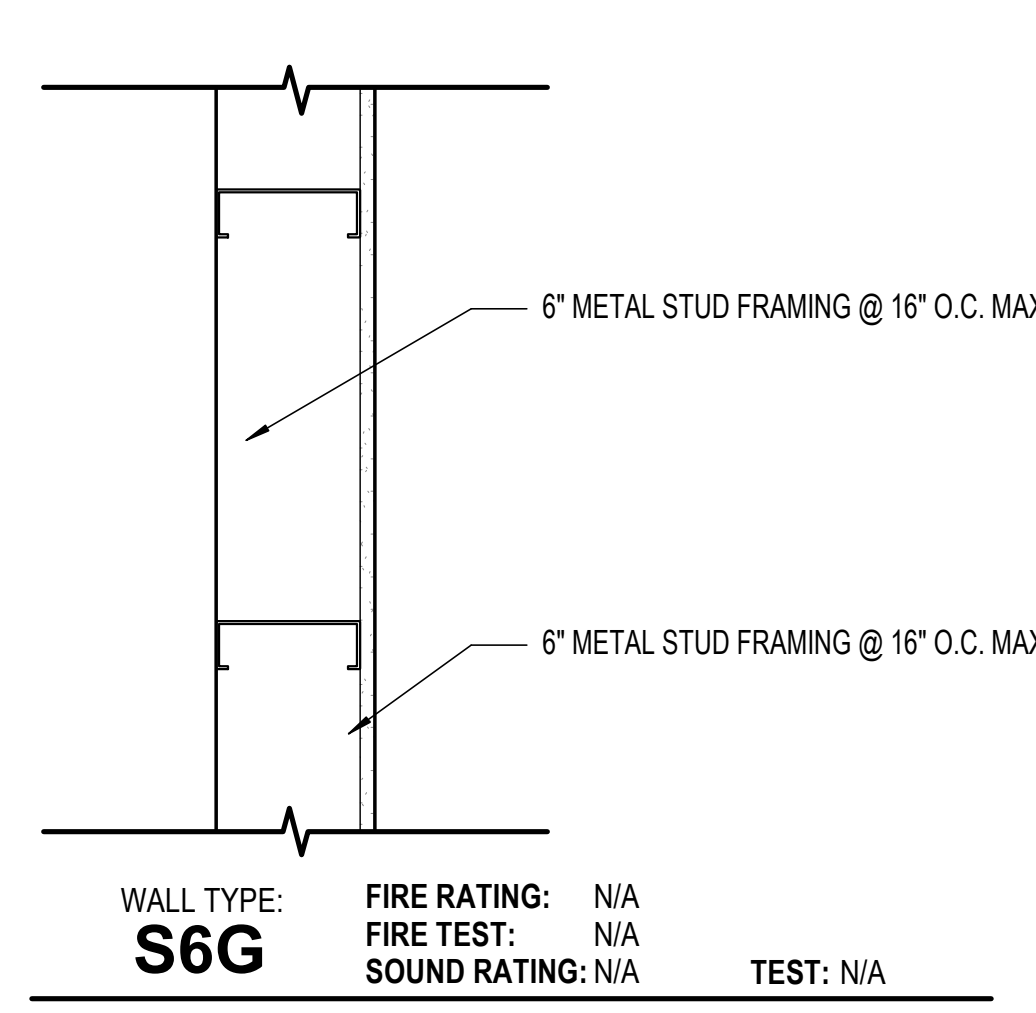
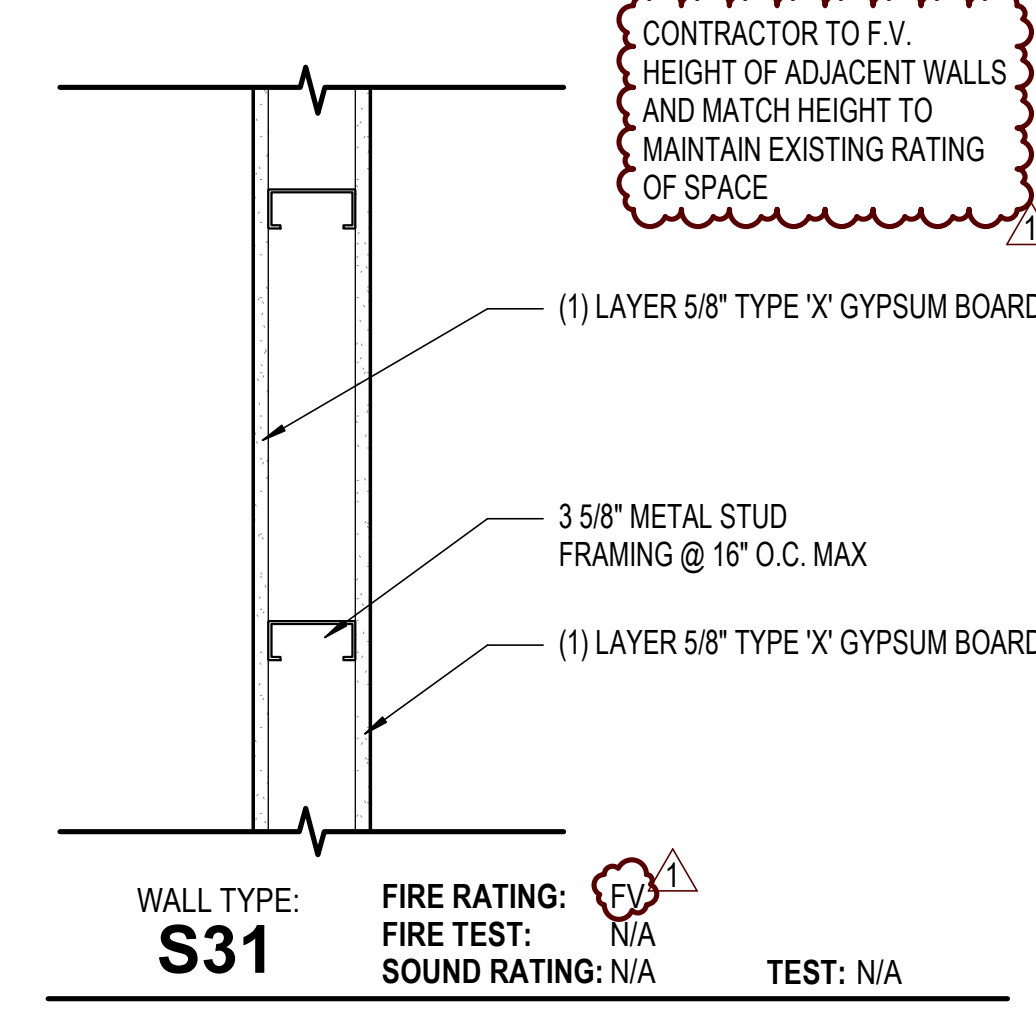
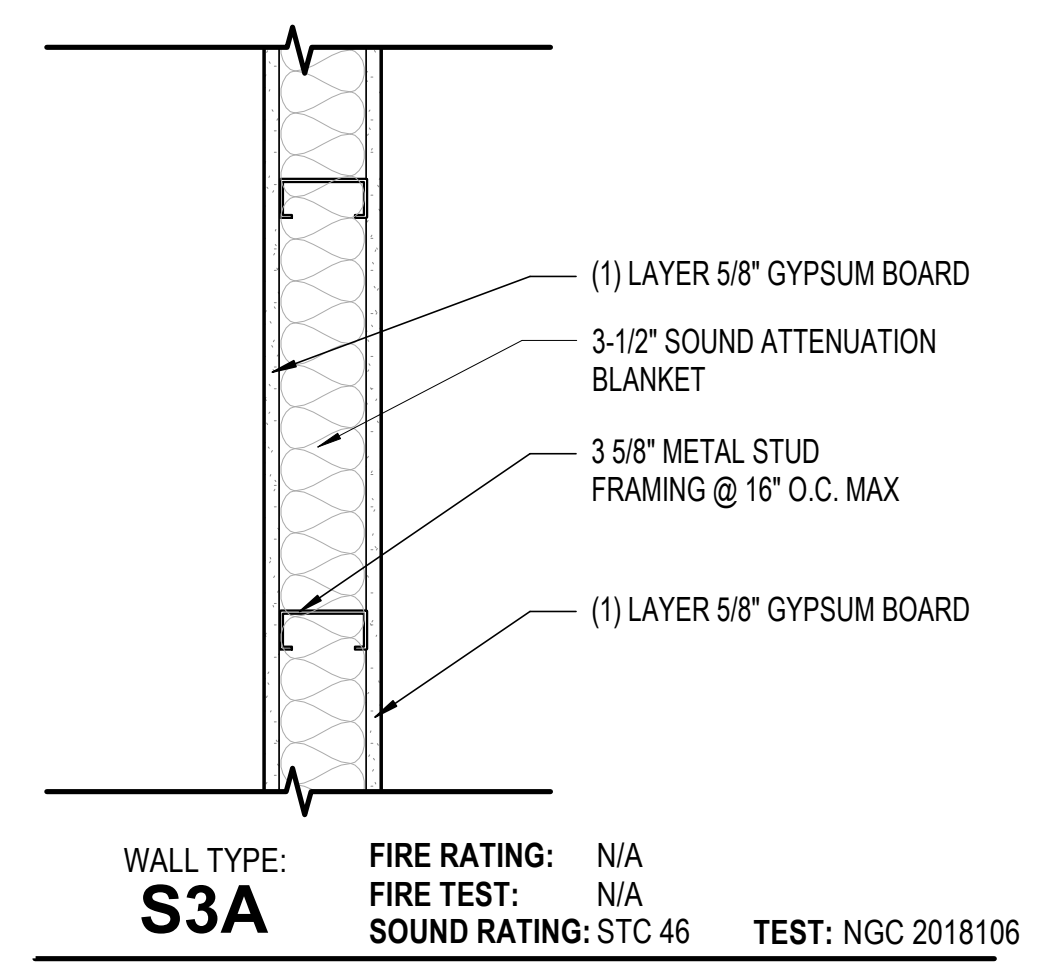
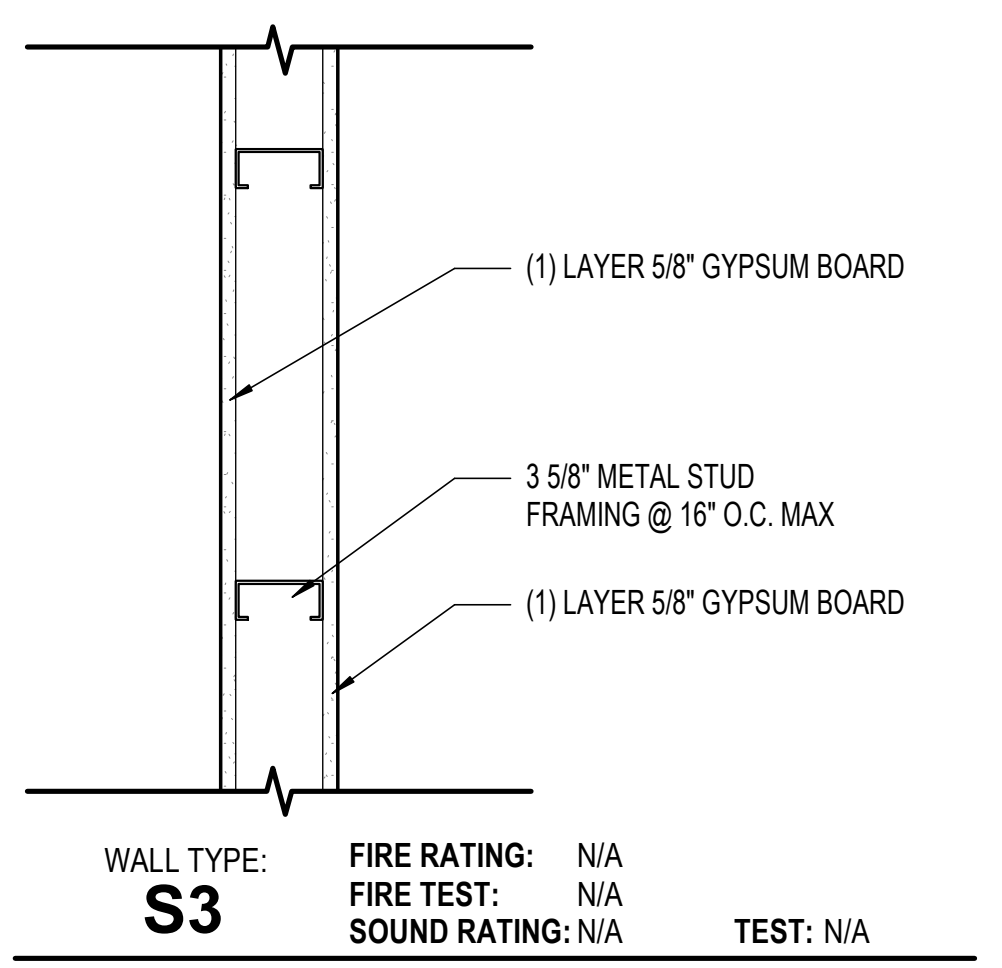
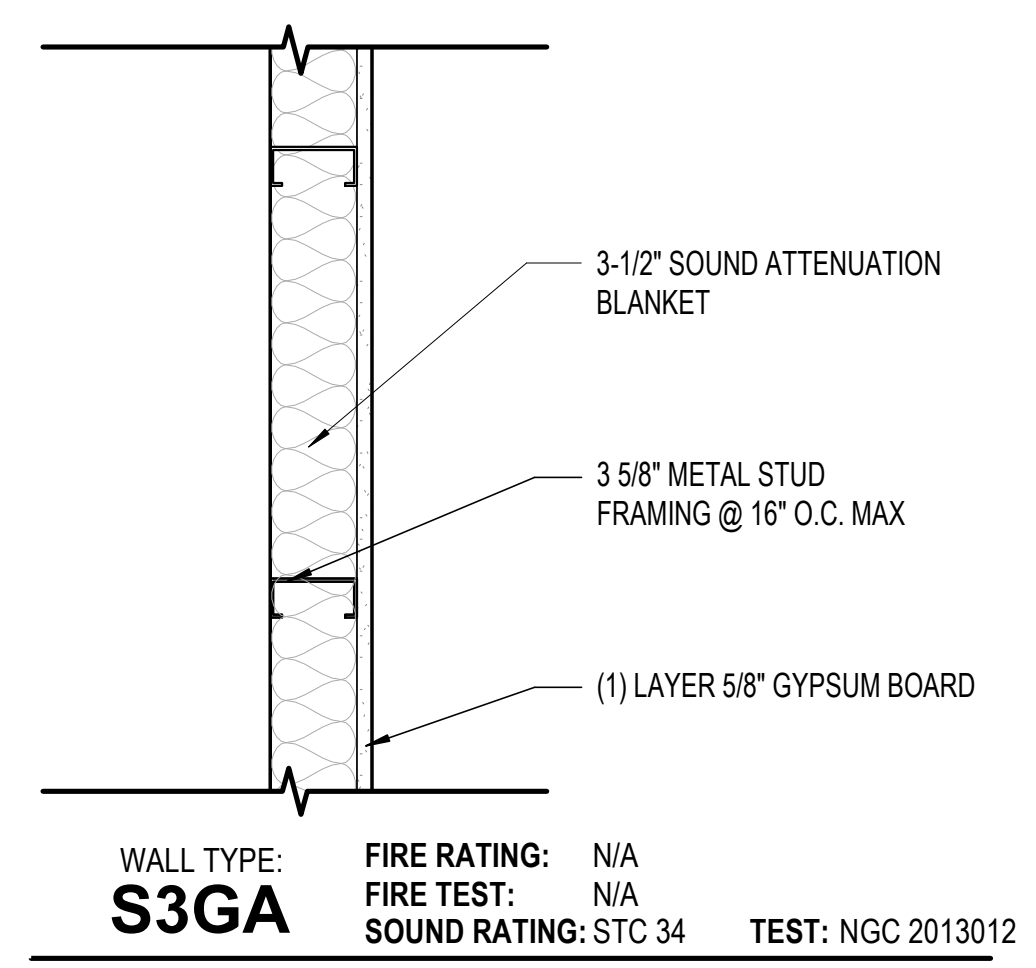
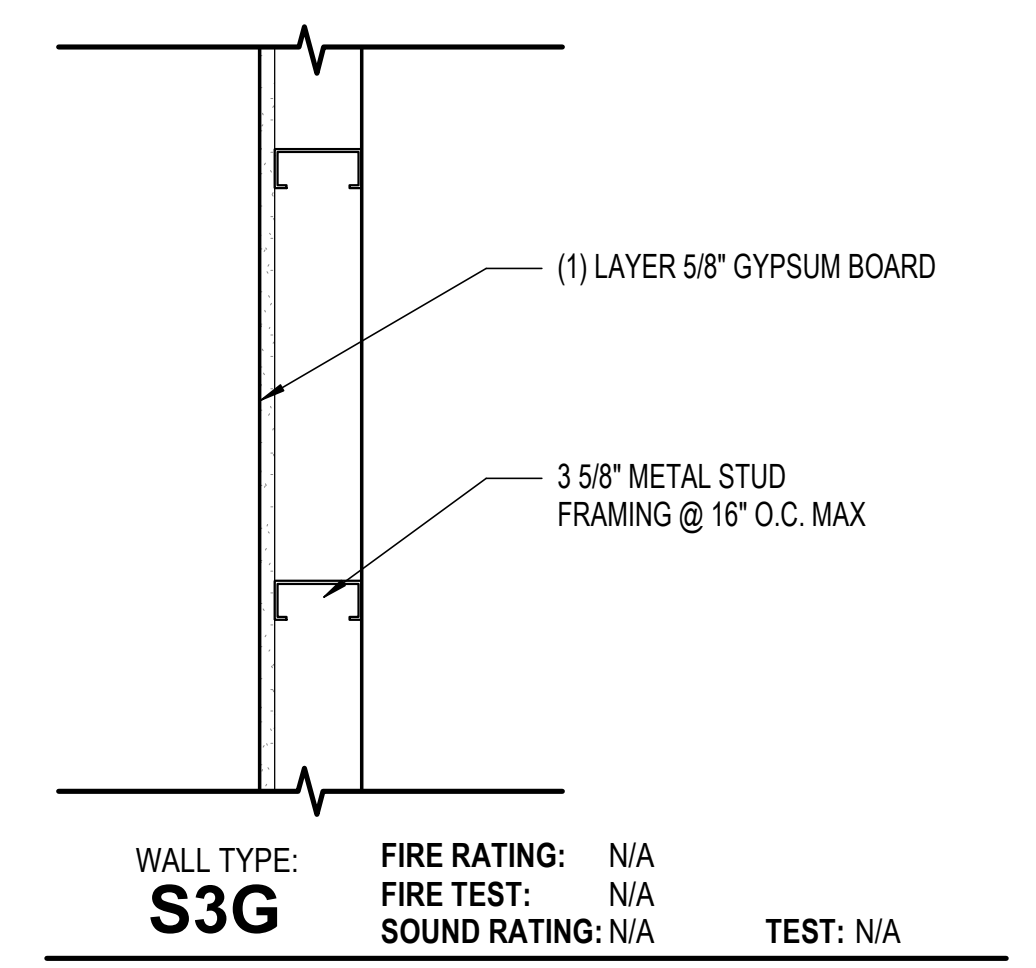
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ASSEMBLY TYPES

G501



CEILING TYPES



INTERIOR WALL TYPES

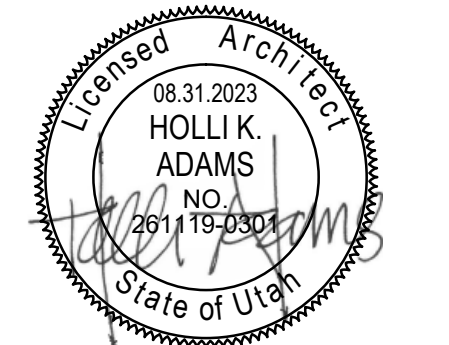
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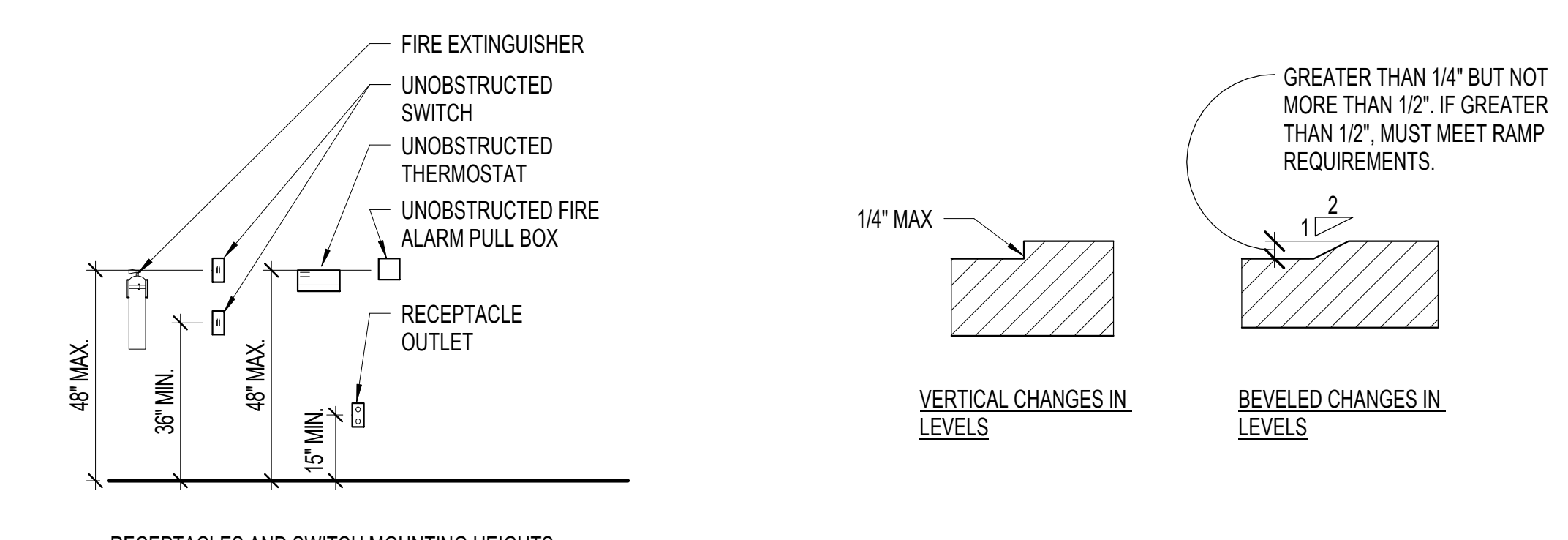
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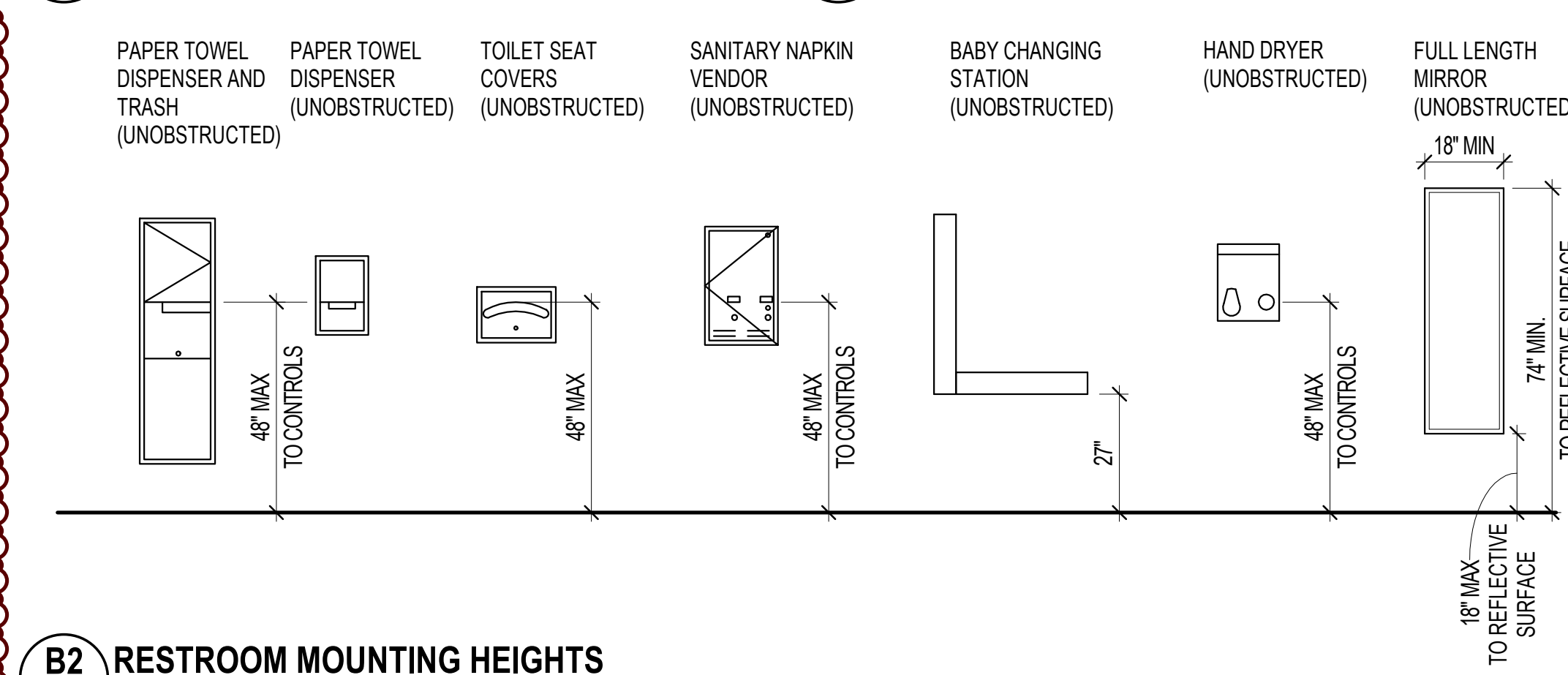
ACCESSIBILITY COMPLIANCE

G701

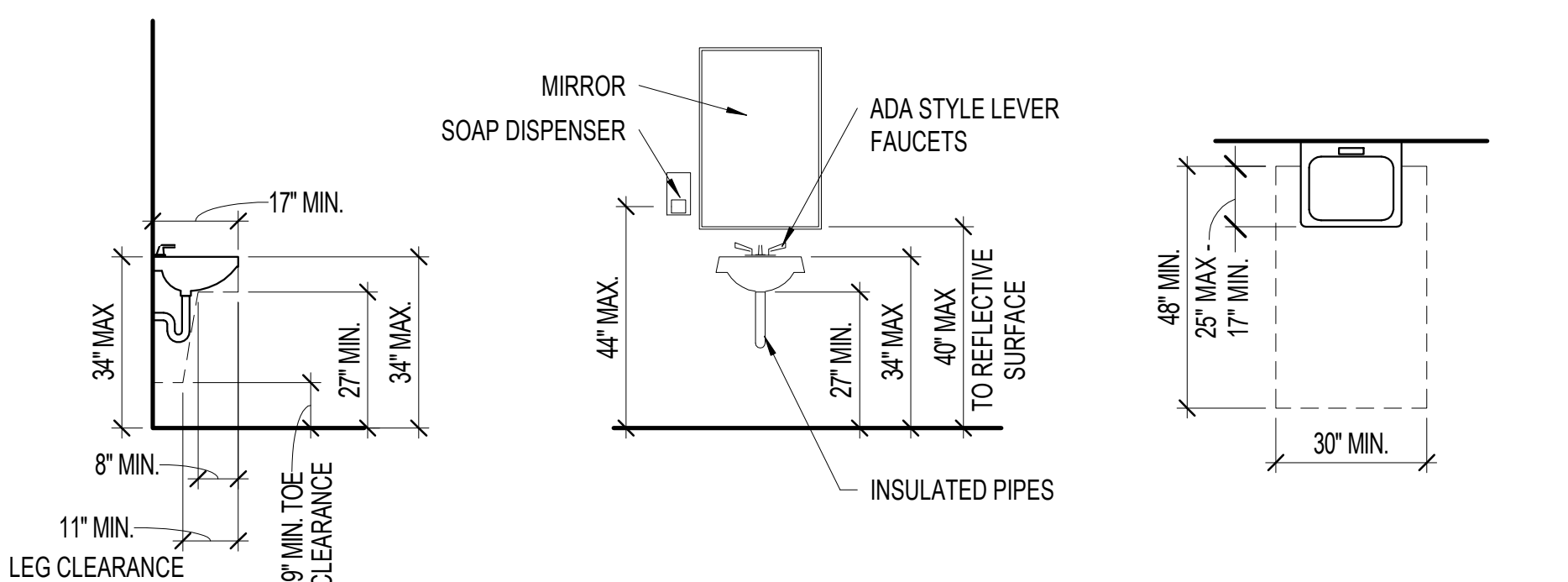
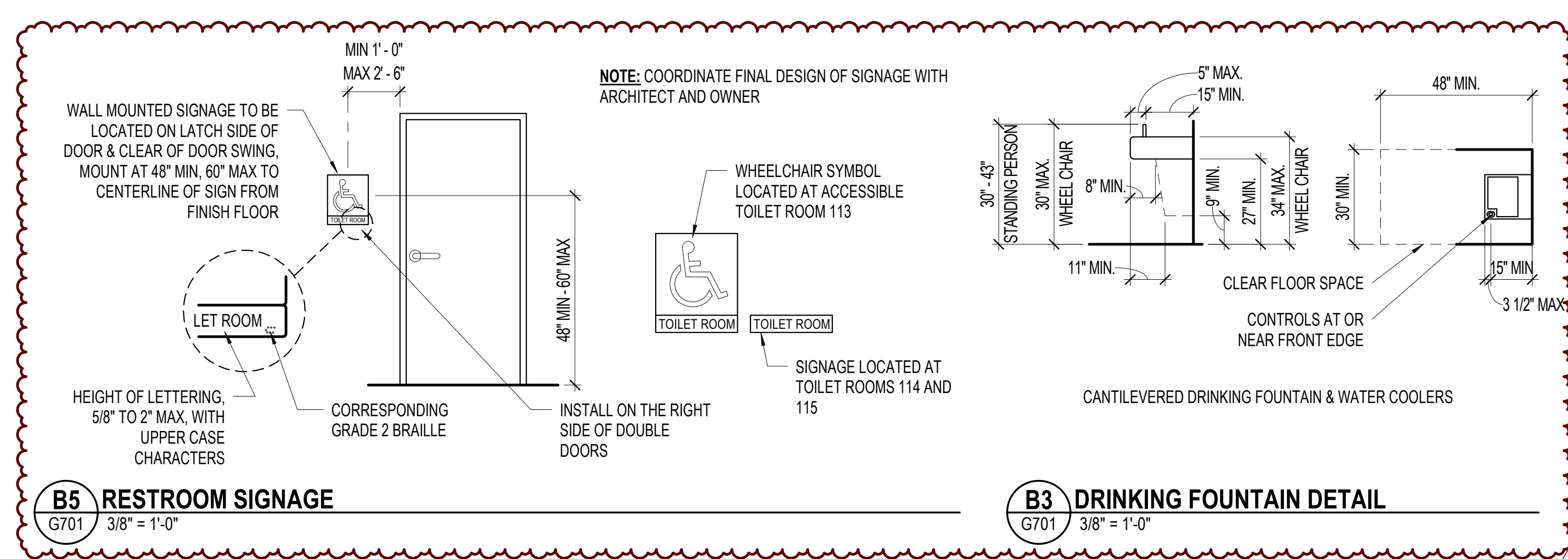
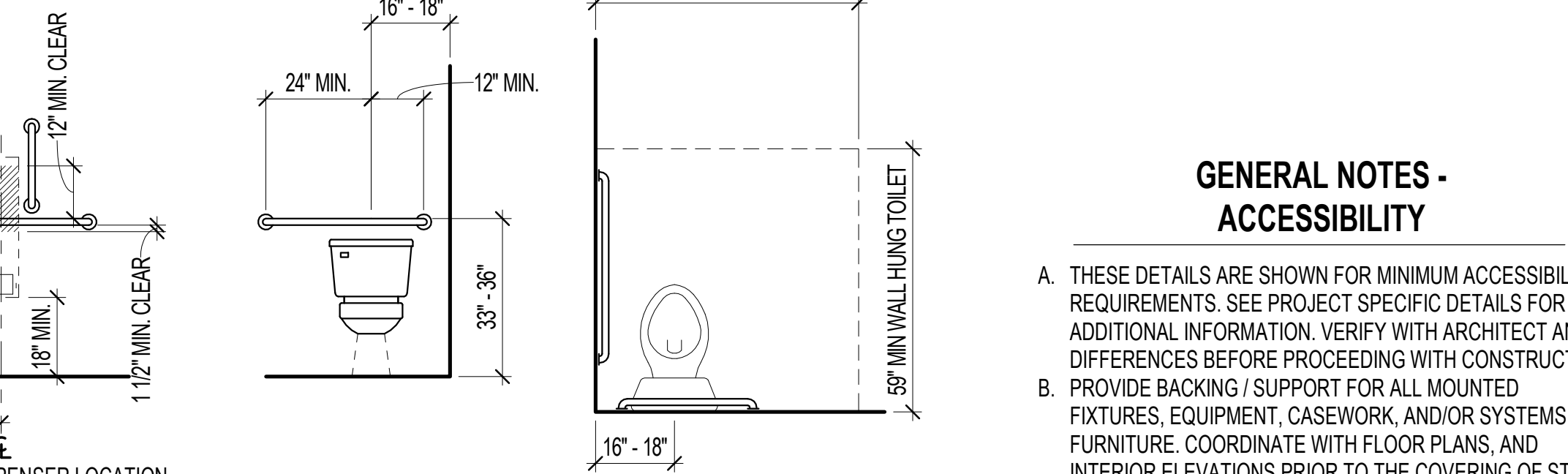


C2 MISC. MOUNTING HEIGHTS
G701 3/8" = 1'-0"

C1 CHANGE IN LEVELS
G701 6" = 1'-0"



B2 RESTROOM MOUNTING HEIGHTS
G701 3/8" = 1'-0"



A5 ACCESSIBLE SINK DETAIL
G701 3/8" = 1'-0"

A3 ACCESSIBLE WALL / FLOOR MOUNTED TOILET DETAIL
G701 3/8" = 1'-0"

GENERAL NOTES - ACCESSIBILITY

A. THESE DETAILS ARE SHOWN FOR MINIMUM ACCESSIBILITY REQUIREMENTS. SEE PROJECT SPECIFIC DETAILS FOR ADDITIONAL INFORMATION. VERIFY WITH ARCHITECT ANY DIFFERENCES BEFORE PROCEEDING WITH CONSTRUCTION.

B. PROVIDE BACKING / SUPPORT FOR ALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK, AND/OR SYSTEMS FURNITURE. COORDINATE WITH FLOOR PLANS, AND INTERIOR ELEVATIONS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE, OTHERWISE REFER TO DETAILS ON A700 SHEET SERIES.

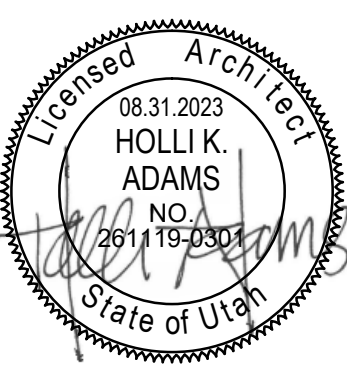
C. DO NOT SCALE DRAWINGS.

D
C
B
A
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GENERAL NOTES - FLOOR PLANS

- A. FIELD VERIFY ALL EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION. COORDINATE DISCREPANCIES WITH ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- B. ALL NEW WALL ASSEMBLIES ARE CONTINUOUS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
- C. PLAN WALL DIMENSIONS ARE TO GRID LINE OR FACE OF WALL STRUCTURE, UNLESS NOTED OTHERWISE. *CLEAR* DIMENSIONS ARE TO FACE OF WALL FINISH.
- D. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- E. SEE G SERIES SHEETS FOR WALL TYPES AND TYPICAL ACCESSIBILITY CLEARANCE AND COMPLIANCE REQUIREMENTS. REGULATORY PLAN INFORMATION, INCLUDING RATED ASSEMBLY EXTENTS, OCCUPANCY AND EGRESS SYSTEMS.
- F. WHERE NEW CONSTRUCTION INTERFACES WITH EXISTING, PATCH AND REPAIR AS NECESSARY TO MATCH ORIGINAL CONDITION.
- G. WHERE PROVIDED, DOOR AND WINDOW DIMENSIONS ARE TO EDGE OF OPENING. OPENING DIMENSIONS ARE NOMINAL. CONTRACTOR SHALL COORDINATE DIMENSIONS OF ALL ROUGH OPENINGS AND ACTUAL FRAME SIZES.
- H. WHERE DOOR LOCATIONS ARE NOT DIMENSIONED, SEE DETAILS REFERENCED IN DOOR SCHEDULE BY SPECIFIC CONDITION. OTHERWISE, THE HINGE SIDE OF DOOR ROUGH OPENINGS SHALL BE LOCATED 4" FROM THE ADJACENT PERPENDICULAR WALL, SUBJECT TO MAINTENANCE OF REQUIRED ADA CLEARANCES REFERRED IN THE G SERIES.
- I. DO NOT SCALE DRAWINGS.

TAG	KEYNOTE TEXT
01:AL1	ALIGN
01:AL3	ALIGN NEW WALL AT CORNER OF EXISTING CONSTRUCTION
01:AL4	ALIGN NEW WALL AGAINST FACE OF EXISTING CONSTRUCTION
01:AL5	ALIGN NEW WALL WITH EXISTING WALL TO REMAIN
01:WA1	NEW WALL, PROTECT EXISTING FLOORING TO REMAIN
02:EW1	EXISTING WALL TO REMAIN, PROTECT IN PLACE
02:EW2	EXISTING WATER HEATER TO BE RELOCATED, COORDINATE WITH PLUMBING DRAWINGS
08:FO1	PROVIDE 3' - 2" X 7' - 2" FRAMED OPENING IN PREPARATION FOR TYPICAL 3' X 7' DOOR IN FUTURE PHASE
09:RS1	UNISEX RESTROOM SIGNAGE AT EACH TOILET STALL, TYP. SEE B5/G701 FOR MORE INFORMATION; COORDINATE FINAL DESIGN OF SIGNAGE WITH ARCHITECT AND OWNER FOR APPROVAL
09:WA1	INFILL OPENING WITH NEW METAL STUD WALL, ALIGN WITH THE ADJACENT FACES OF EXISTING CONSTRUCTION, INSTALL BASE TO MATCH EXISTING
10:CG1	CORNER GUARD, COORDINATE WITH FINISH LEGEND
10:FE1	SEMI-RECESSED FIRE EXTINGUISHER, VERIFY LOCATION WITH OWNER, SEE TYPICAL DETAIL ON SHEET A701
12:FT1	FOLDING TABLE WITH BENCH SEATS WITH INTEGRAL WALL POCKET, COORDINATE DEPTH OF WALL WITH MANUFACTURER REQUIREMENTS, OPCI
22:DF1	DRINKING FOUNTAIN, COORDINATE WITH PLUMBING DRAWINGS
22:FD1	FLOOR DRAIN, CENTER IN ROOM, COORDINATE WITH PLUMBING DRAWINGS
22:FD2	FLOOR DRAIN, COORDINATE WITH PLUMBING DRAWINGS

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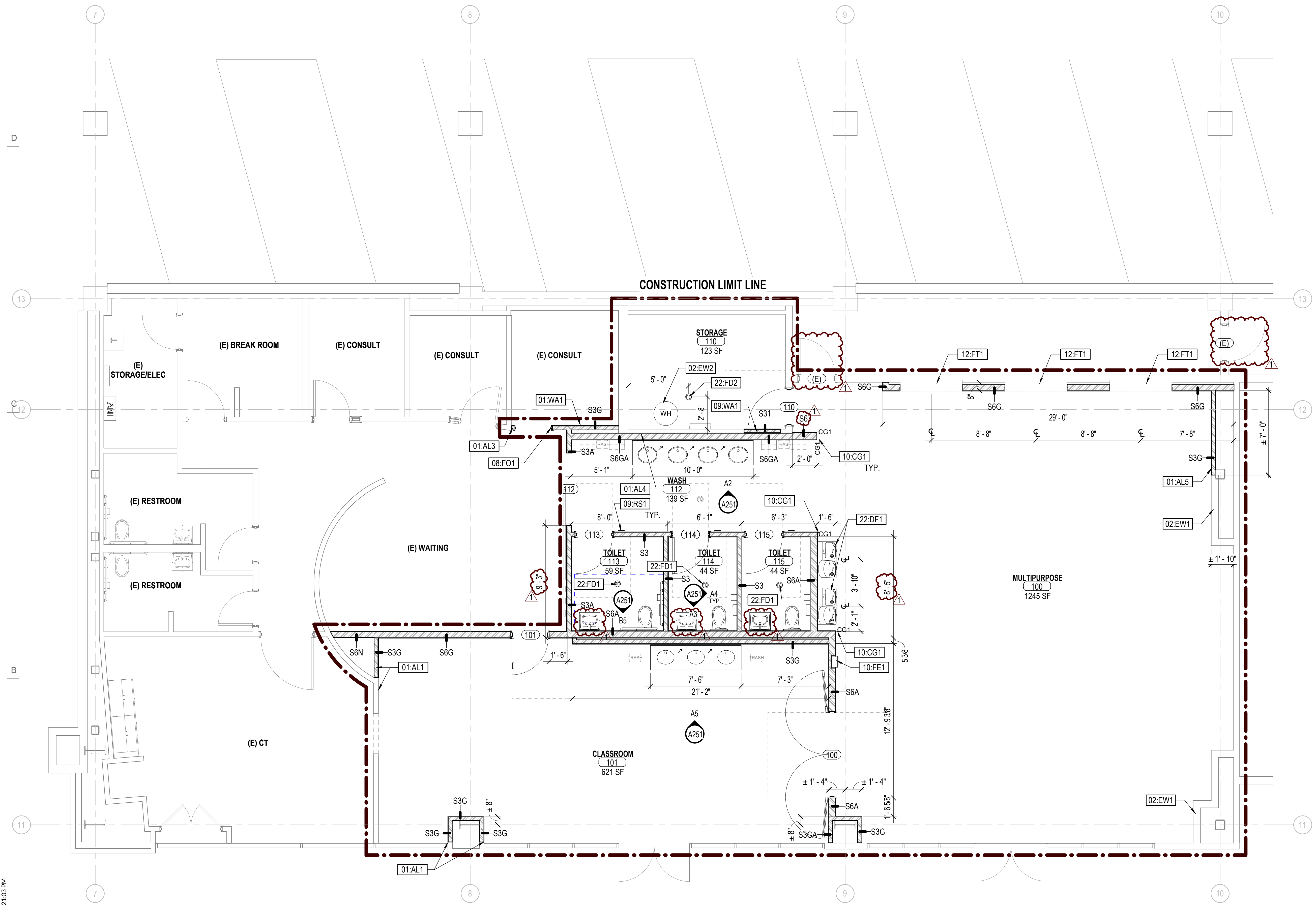
#	Date	Revision
1	10.16.23	Plan Review 01

CONSTRUCTION DOCUMENTS (BP-2, P.I)

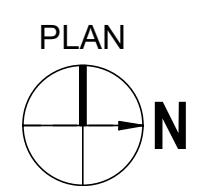
NEXUS PROJECT #: 22070
 CHECKED BY: Checker
 DRAWN BY: Author
 DATE: 31 AUGUST 2023

FLOOR PLAN (PHASE I)

A101



A5 FLOOR PLAN (PHASE I)
 A101 1/4" = 1'-0"



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**GENERAL NOTES -
REFLECTED CEILING PLANS**

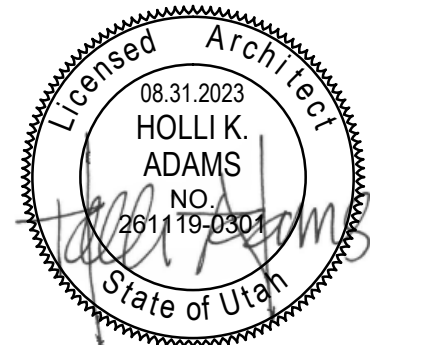
- A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING CEILING FIXTURES
- B. THE CEILING HEIGHT SHOWN IN THE ROOM TAG INDICATES THE HEIGHT OF THE DOMINANT CEILING FINISH. SEE ADDITIONAL CEILING FINISH CALLOUTS FOR OTHER CEILING HEIGHTS OR FEATURES.
- C. THE CONTRACTOR SHALL COORDINATE ALL TRADES TO ENSURE THAT DESIGNATED CEILING HEIGHTS CAN BE ACHIEVED. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONDITIONS THAT PREVENT THIS FROM OCCURRING BEFORE PROCEEDING WITH THE WORK.
- D. PROVIDE REQUIRED BLOCKING AND SUPPORT FOR ALL CEILING MOUNTED FIXTURES.
- E. PROVIDE APPROPRIATE TRIM OR ESCUTCHEONS FOR ALL ITEMS PENETRATING CEILINGS FROM FINISH SPACE.
- F. LIGHT FIXTURES IN CEILINGS TO RECEIVE BATT INSULATION ON TOP SHALL HAVE A BOX OUT TO PROTECT THE INSULATION FROM THE HEAT OF THE LIGHT SOURCE.
- G. ALL SOFFIT DIMENSIONS ARE TO FACE OF FINISH MATERIAL.
- H. SEE G SERIES SHEETS FOR EXPANSION JOINT SCHEDULE.
- I. FOR TYPICAL CEILING AND SEISMIC BRACING DETAILS, REFER TO A700 SHEET SERIES.
- J. DO NOT SCALE DRAWINGS.



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KEYNOTE LEGEND	
TAG	KEYNOTE TEXT
02-DL1	DEMOLISH EXISTING LIGHT FIXTURE; INFILL CEILING WITH NEW GYP BOARD; PREPARE FOR NEW LIGHT FIXTURE
02-EC1	EXISTING CEILING TO REMAIN, PROTECT IN PLACE
09-AP1	LAY-IN ACOUSTICAL PANEL CEILING; SEE FINISH SCHEDULE.
23-EG1	EXHAUST GRILLE, COORDINATE WITH MECHANICAL DRAWINGS
23-RG1	RETURN AIR GRILLE, COORDINATE WITH MECHANICAL DRAWINGS
23-SD1	SUPPLY DIFFUSER, COORDINATE WITH MECHANICAL DRAWINGS
26-LF1	LIGHT FIXTURE, COORDINATE WITH ELECTRICAL DRAWINGS
26-LF2	LIGHT FIXTURE, CENTER FIXTURE WITHIN CEILING TILE, COORDINATE WITH ELECTRICAL DRAWINGS

Salt Lake County
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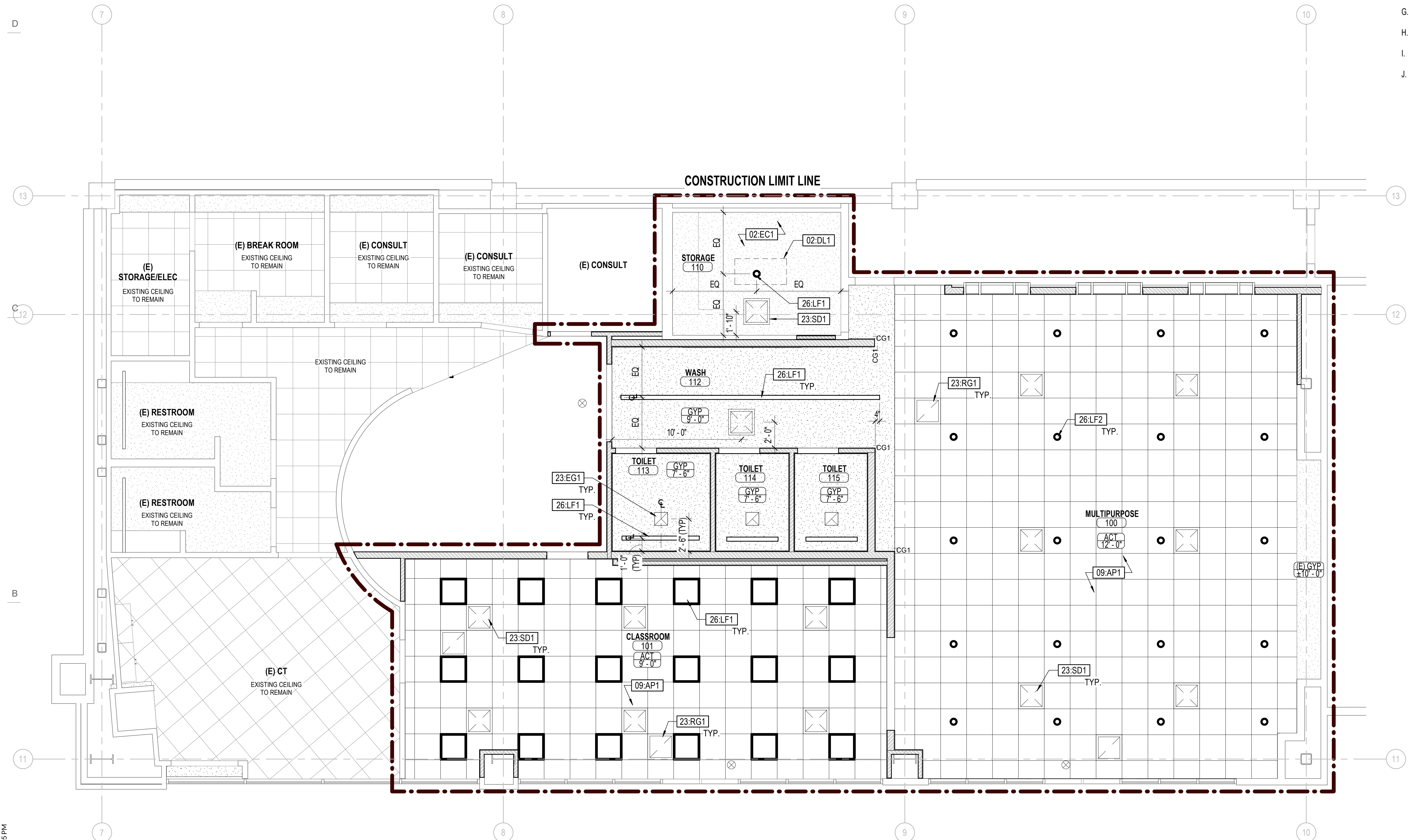
Date Revision

**CONSTRUCTION
DOCUMENTS
(BP-2, P.I)**

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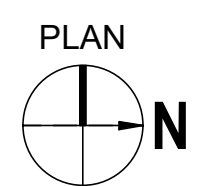
**REFLECTED
CEILING PLAN
(PHASE I)**

A151



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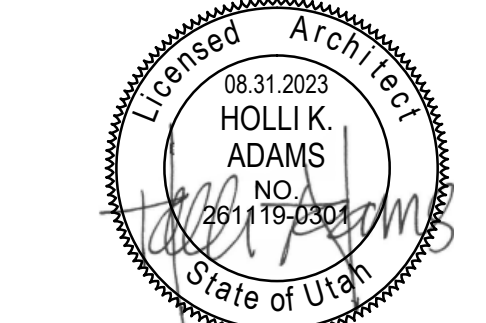
A5 REFLECTED CEILING PLAN (PHASE I)
 A151 1/4" = 1'-0"





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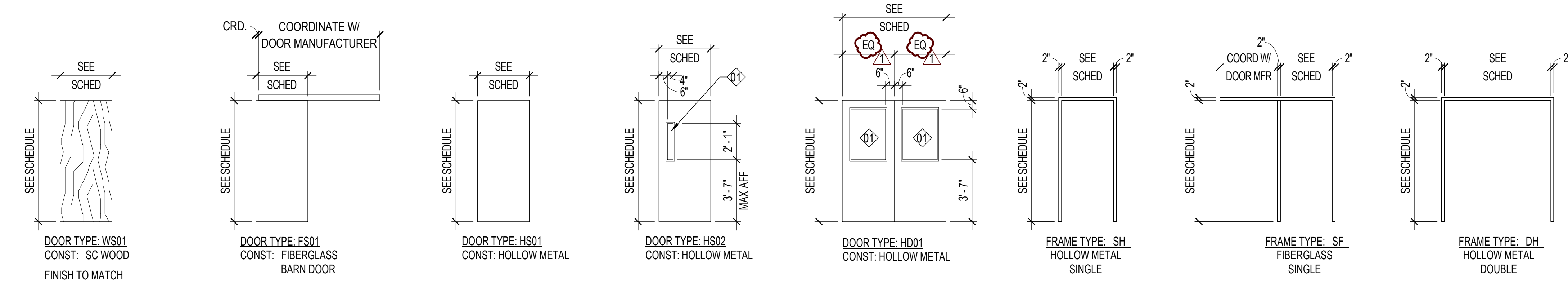
Salt Lake County CLARK PLANETARIUM NEW SPACE TENANT IMPROVEMENT 110 S 400 W, Salt Lake City UT, 84101

DOOR SCHEDULE table with columns: NUMBER, WIDTH, HEIGHT, TYPE, FRAME (HEAD, JAMB, THRESH), FIRE RATING, HARDWARE GROUP, NUMBER, NOTES

GLAZING SCHEDULE table with columns: TAG, DESCRIPTION

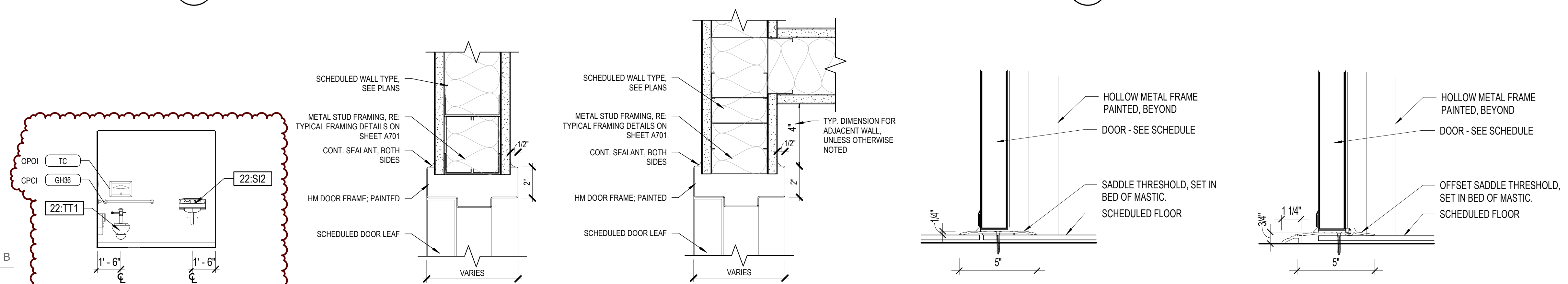
- GENERAL NOTES - DOOR & WINDOW TYPES
A. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL & SUBSEQUENT FABRICATION OF ALL DOOR AND WINDOW FRAMES.
B. DOOR AND FRAME ASSEMBLIES SHALL COMPLY WITH ALL GENERAL NOTES & LEGENDS, DOOR AND FRAME DETAILS, HARDWARE AND OTHER COMPONENTS INDICATED BY THE "DOOR SCHEDULE(S)", AS WELL AS ALL PROJECT REQUIREMENTS AS SPECIFIED.
C. ALL HARDWARE TO HAVE B.H.M.A. 626, U260 SATIN CHROME FINISH OR EQ, UNLESS NOTED OTHERWISE.
D. PROVIDE CLEARANCE REQUIRED BY ACCESSIBILITY CODES ANSI A117.1 AND ADAAG AT ALL DOORS, AS DEPICTED IN DETAILS ON G700 SHEET SERIES.
E. DO NOT SCALE DRAWINGS.

- GENERAL NOTES - INTERIOR ELEVATIONS
A. SEE REFLECTED CEILING PLANS FOR CEILING FEATURES AND CEILING FINISH LOCATIONS.
B. SEE PLANS, SECTIONS, SCHEDULES AND ADDITIONAL DETAILS FOR MORE MATERIAL AND FINISH INFORMATION.
C. ENSURE THAT ALL REQUIRED FIXTURE AND CABINET CLEARANCES AND OTHER REQUIREMENTS ARE MAINTAINED PURSUANT TO ADAAG AND ANSI A117.1. SEE G700 SERIES SHEETS FOR GENERAL GUIDANCE ON COMMON MOUNTING HEIGHTS.
D. WHERE THE FINISH SCHEDULE OR INTERIOR ELEVATIONS CALL FOR TILE, REPLACE GYPSUM BOARD SHOWN IN THE WALL'S ASSEMBLY WITH TILE BACKER BOARD WHERE TILE OCCURS. REPLACE OTHER GYPSUM BOARD SHOWN IN THAT WALL'S ASSEMBLY WITH MOISTURE RESISTANT GYPSUM BOARD WHERE NO TILE OCCURS.
E. PROVIDE BACKING / SUPPORT FOR ALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK, AND/OR SYSTEMS FURNITURE. COORDINATE WITH FLOOR PLANS, AND INTERIOR ELEVATIONS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE, OTHERWISE REFER TO DETAILS ON A700 SHEET SERIES.
F. ON ALL EXPOSED CABINET SIDES, INCLUDING KNEE OPENINGS, PROVIDE FINISHED FACE TO MATCH CABINET FRONTS.
G. WHERE BACKSPASHES ARE NOTED, PROVIDE SIDESPLASHES WHENEVER COUNTERTOPS ARE ADJACENT TO WALLS.
H. ALL MILLWORK LOCK/KEYING TO BE COORDINATED WITH OWNER & ARCHITECT.
I. THE CONTRACTOR IS TO COORDINATE WALK THROUGH(S) WITH THE OWNER AND THE ARCHITECT TO REVIEW PLACEMENT OF ELECTRICAL, MECHANICAL AND OTHER EQUIPMENT ITEMS FOR KEY ROOMS. SCHEDULING OF ROOM REVIEWS SHOULD BE COORDINATED DURING THE OAC MEETINGS.
J. DO NOT SCALE DRAWINGS.



C5 DOOR TYPES A251 1/4" = 1'-0"

C1 FRAME TYPES A251 1/4" = 1'-0"



B5 TOILET - EAST (113) A251 1/4" = 1'-0"

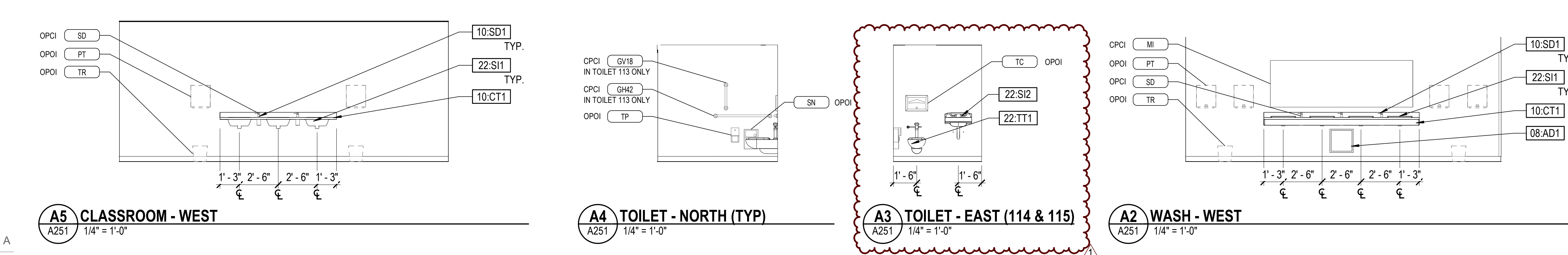
B4 HEADER DETAIL (TYP) A251 3" = 1'-0"

B3 JAMB DETAIL (TYP) A251 3" = 1'-0"

B2 THRESHOLD DETAIL - SADDLE A251 3" = 1'-0"

B1 THRESHOLD DETAIL - SADDLE A251 3" = 1'-0"

KEYNOTE LEGEND table with columns: TAG, KEYNOTE TEXT



A5 CLASSROOM - WEST A251 1/4" = 1'-0"

A4 TOILET - NORTH (TYP) A251 1/4" = 1'-0"

A3 TOILET - EAST (114 & 115) A251 1/4" = 1'-0"

A2 WASH - WEST A251 1/4" = 1'-0"

CONSTRUCTION DOCUMENTS (BP-2, P.I)

NEXUS PROJECT #: 22070 CHECKED BY: Author DATE: 31 AUGUST 2023

INTERIOR ELEVATIONS AND DOOR SCHEDULES & TYPES

A251

D

C

B

A

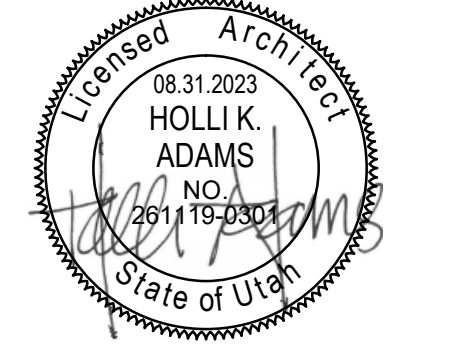
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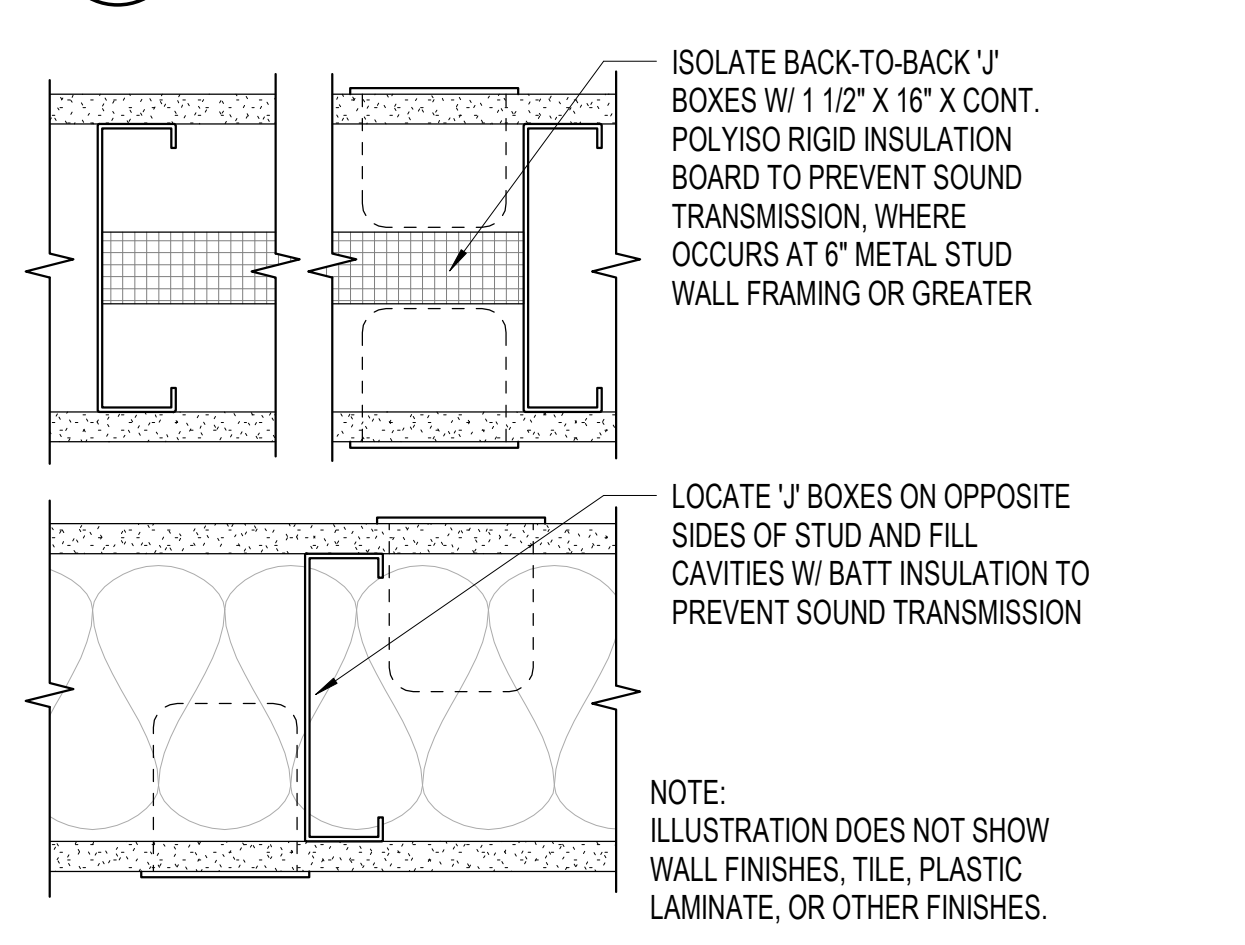
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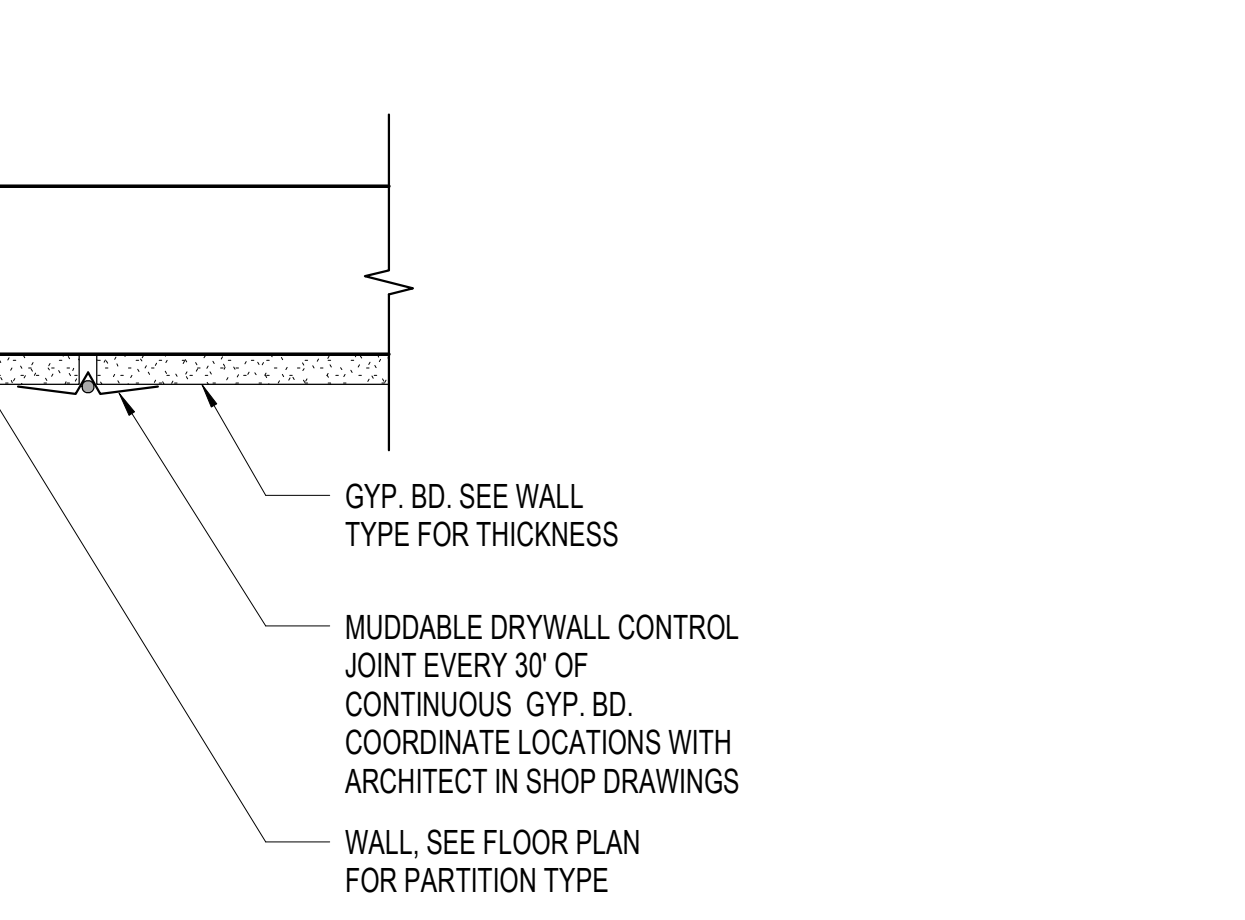
TYPICAL DETAILS

A701

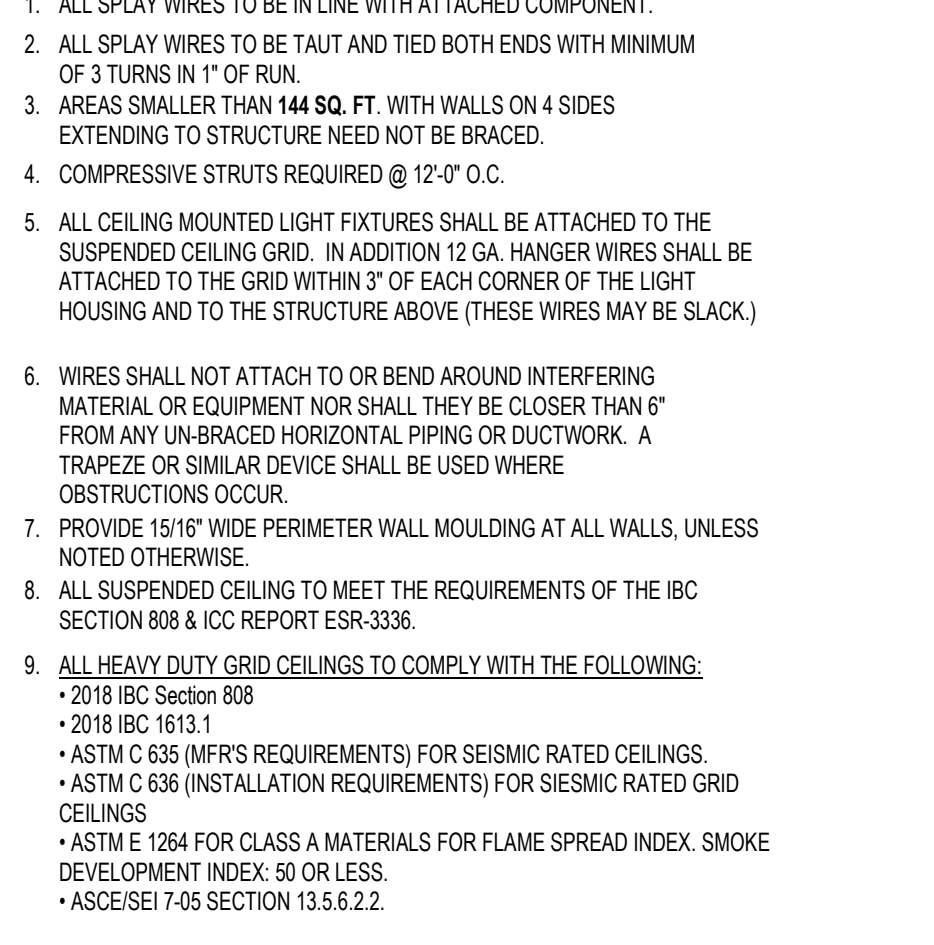
D1 A701 - FIRE EXTINGUISHER CAB. SEMI-RECESSED
A701 1 1/2" = 1'-0"



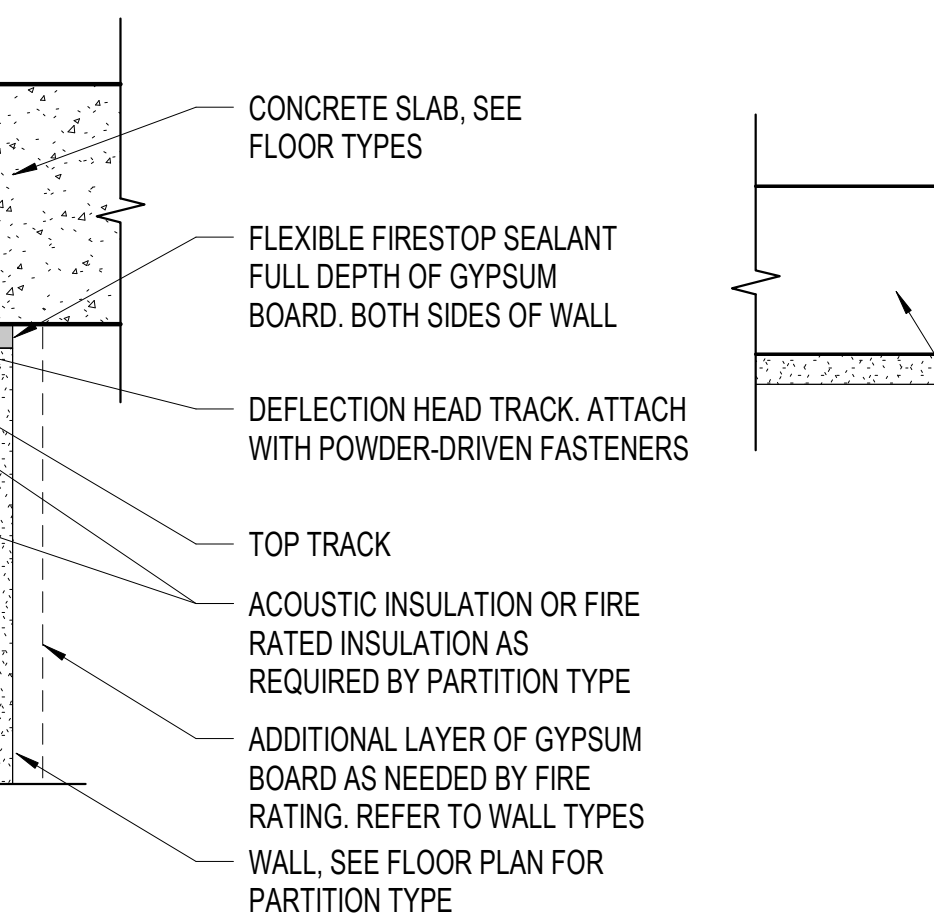
C1 TYPICAL ELEC. DEVICE WALL DETAIL
A701 3" = 1'-0"



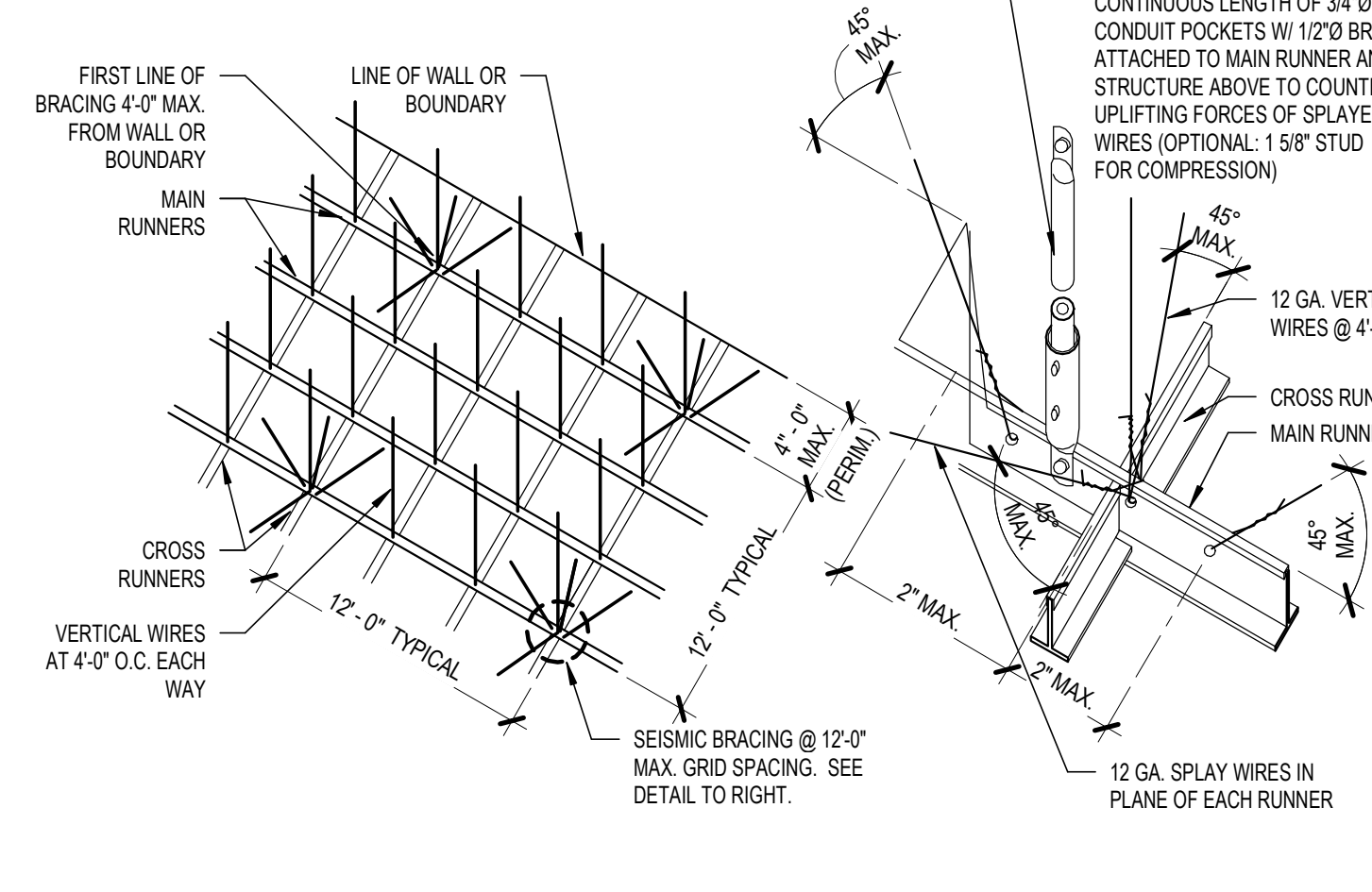
D2 A701 - FIRE EXTINGUISHER CAB. FULL-RECESSED
A701 1 1/2" = 1'-0"



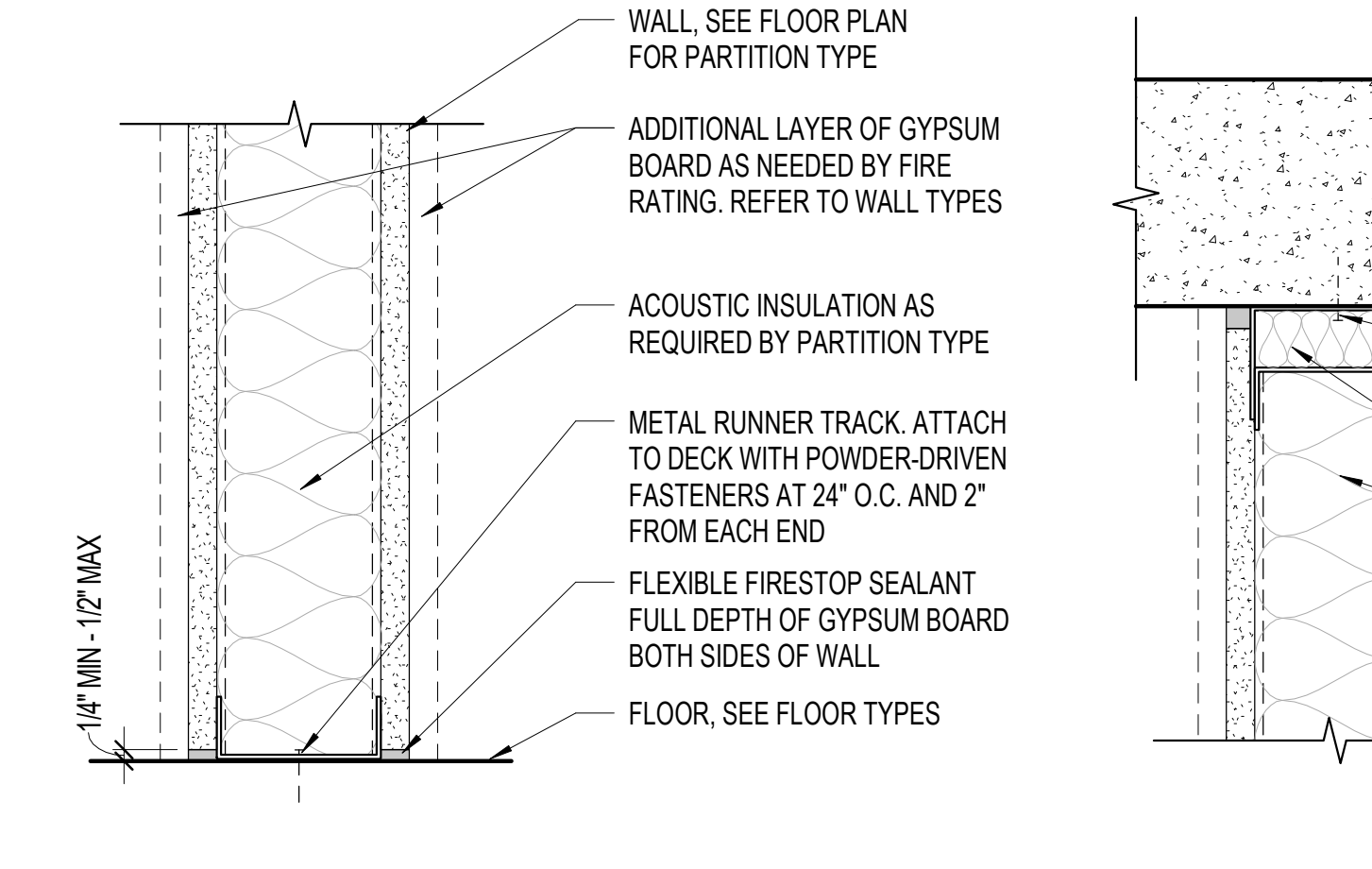
B1 DRYWALL CONTROL JOINTS
A701 3" = 1'-0"



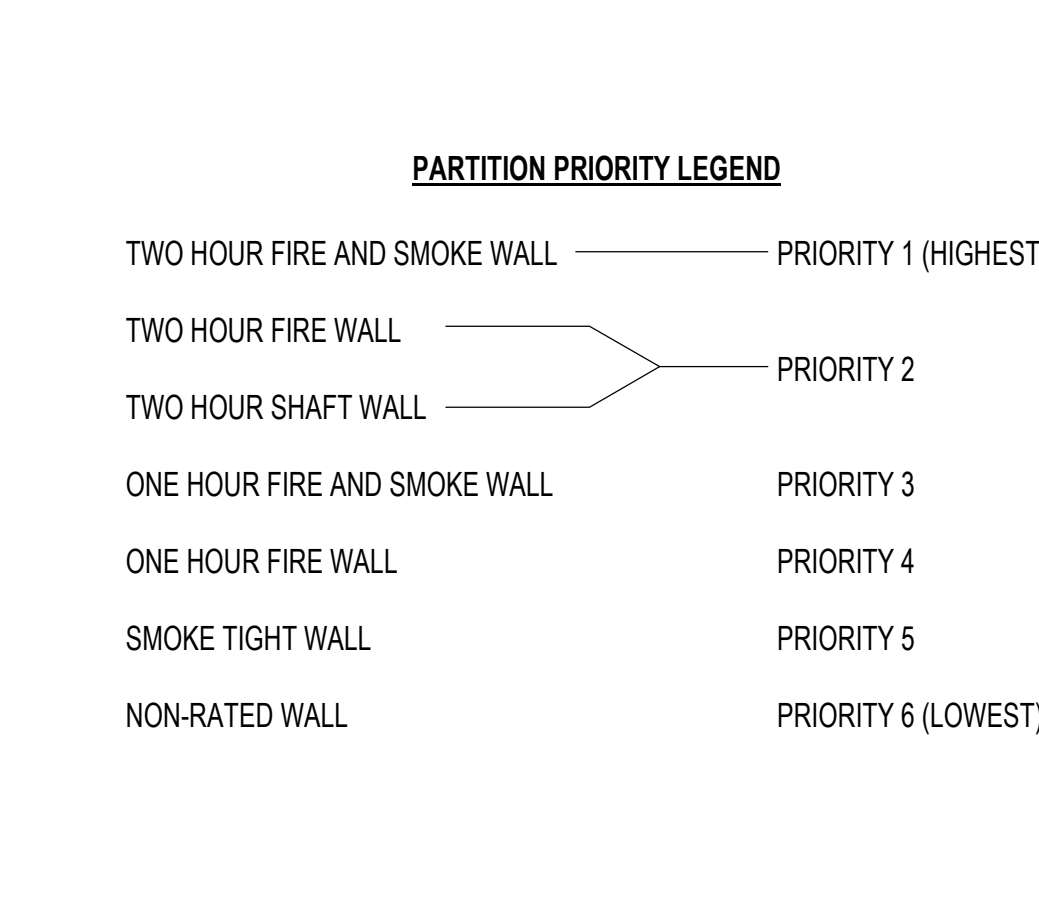
C3 TYP. SUSPENDED CEILING SUSPENSION & SEISMIC BRACING
A701 6" = 1'-0"



B3 A701 - FIRE RATED BASE DETAIL
A701 3" = 1'-0"



B2 A701 - FIRE RATED HEAD DETAIL
A701 3" = 1'-0"

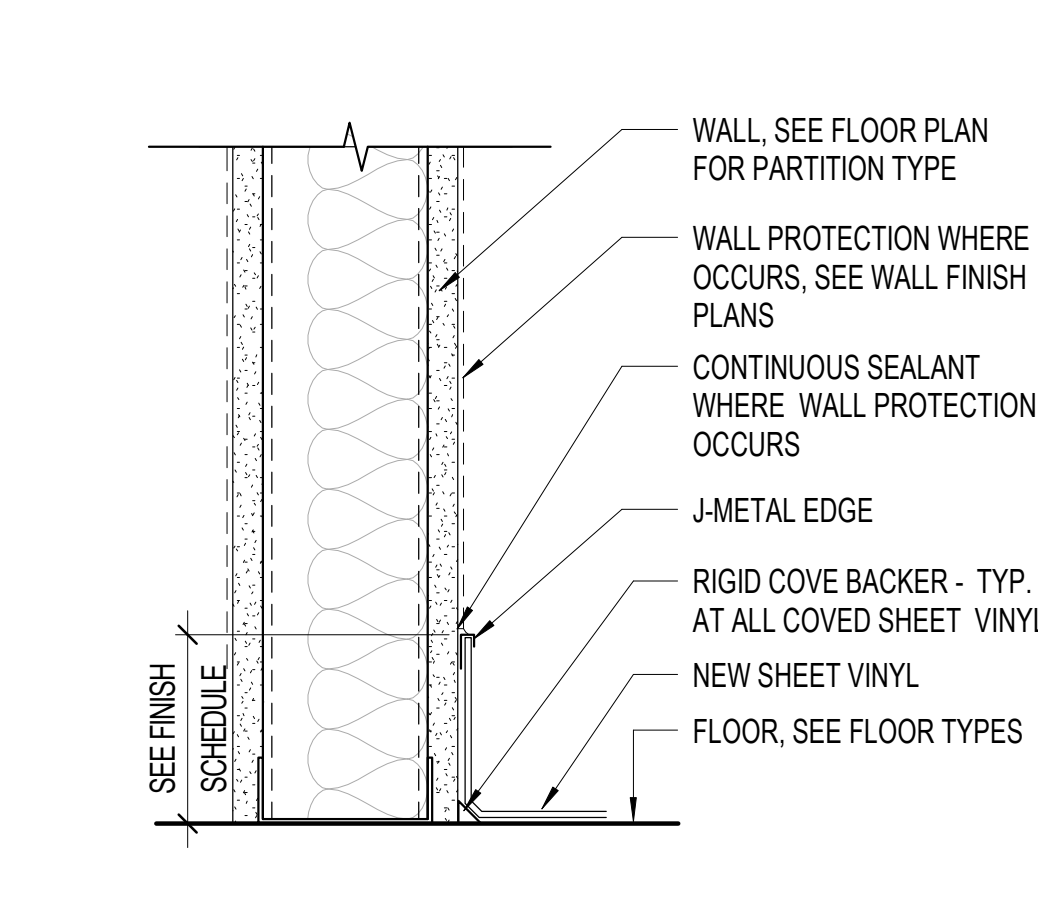


A2 PARTITION PRIORITY LEGEND
A701 3" = 1'-0"

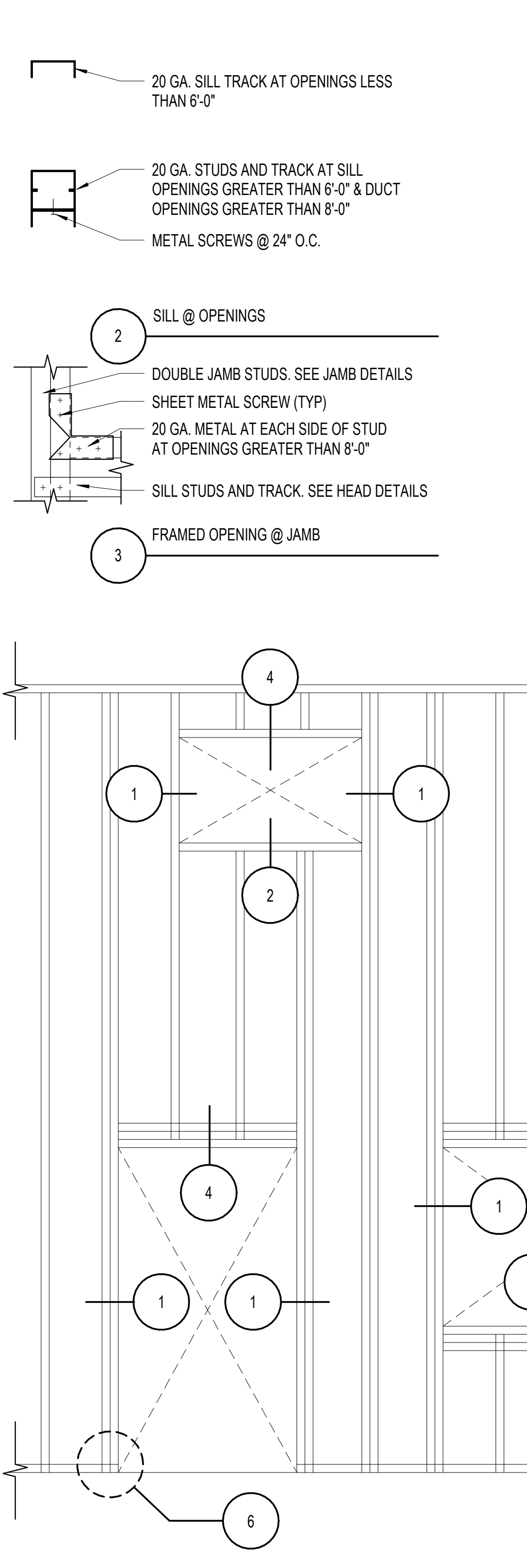
PARTITION PRIORITY LEGEND

TWO HOUR FIRE AND SMOKE WALL	PRIORITY 1 (HIGHEST)
TWO HOUR FIRE WALL	PRIORITY 2
TWO HOUR SHAFT WALL	PRIORITY 2
ONE HOUR FIRE AND SMOKE WALL	PRIORITY 3
ONE HOUR FIRE WALL	PRIORITY 4
SMOKE TIGHT WALL	PRIORITY 5
NON-RATED WALL	PRIORITY 6 (LOWEST)

A3 COVERED BASE DETAIL
A701 3" = 1'-0"

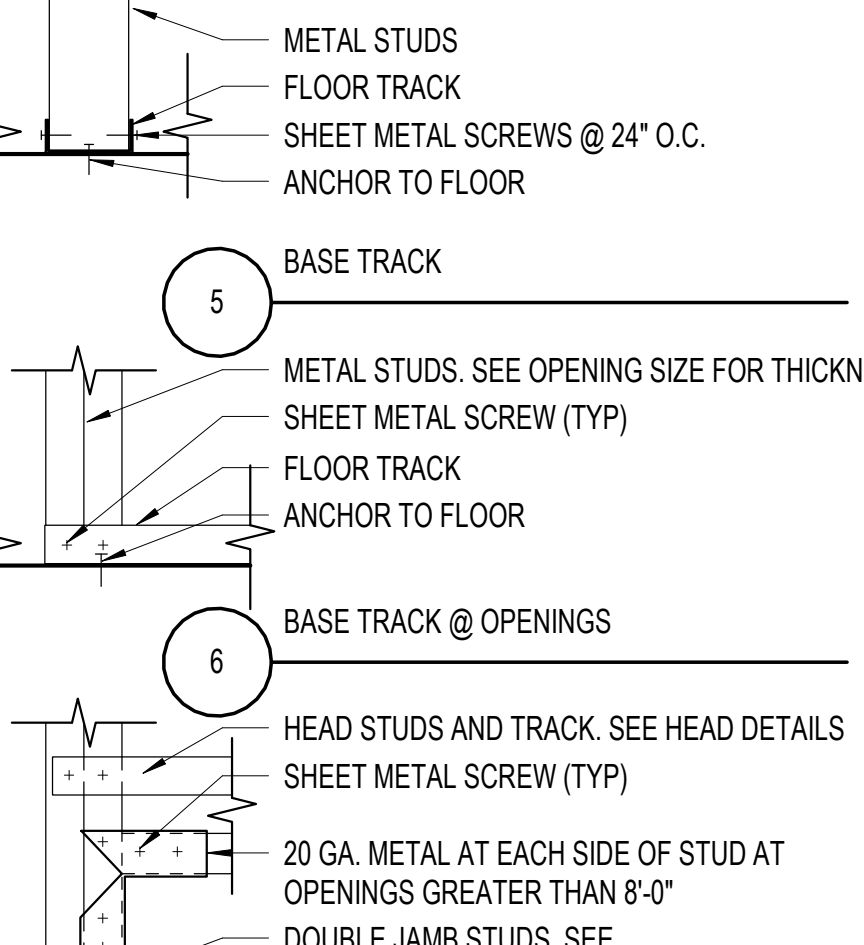


A5 WALL & OPENING FRAMING
A701 NOT TO SCALE

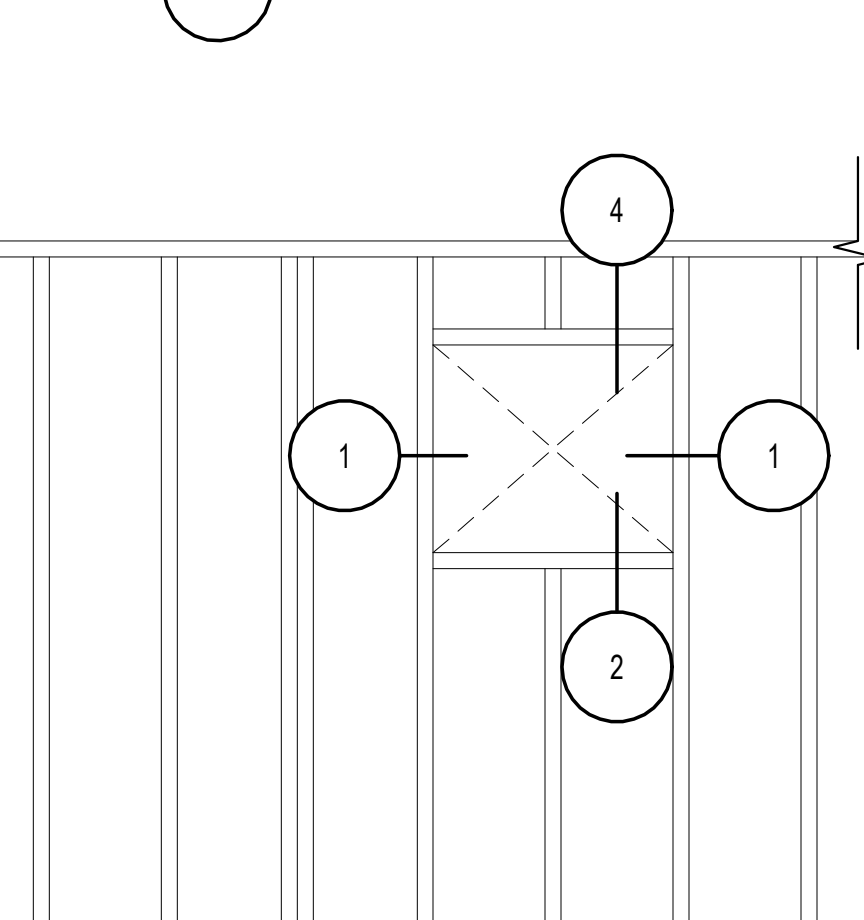


A5 WALL & OPENING FRAMING
A701 NOT TO SCALE

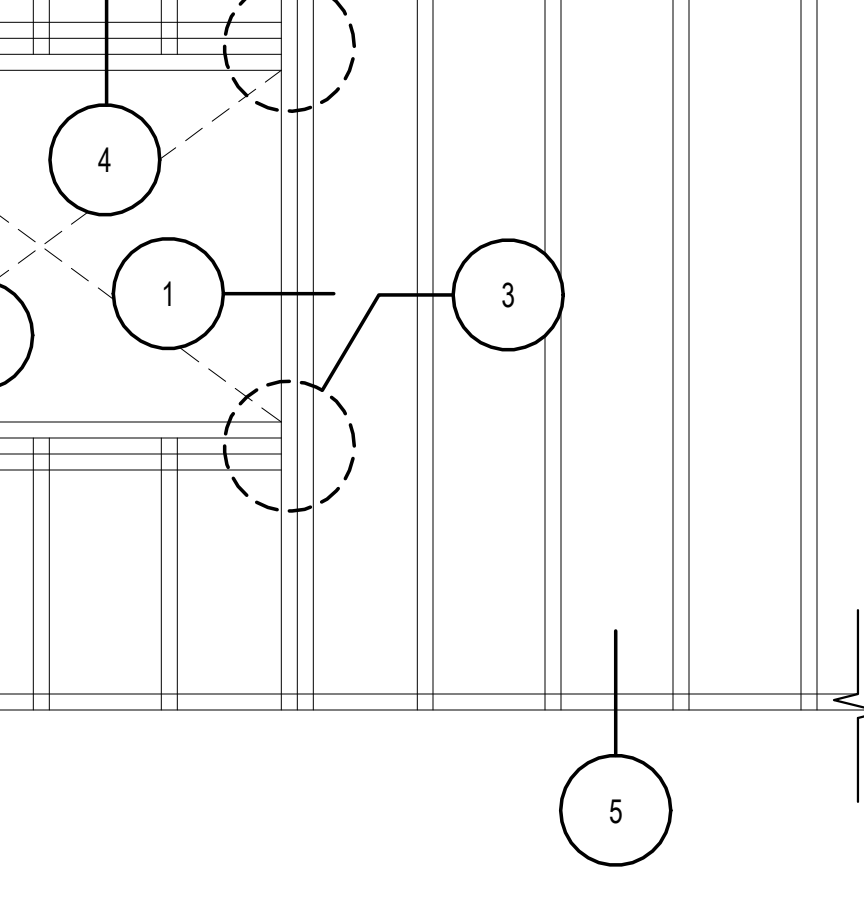
4 HEADER @ OPENINGS



7 FRAMED OPENING @ JAMB

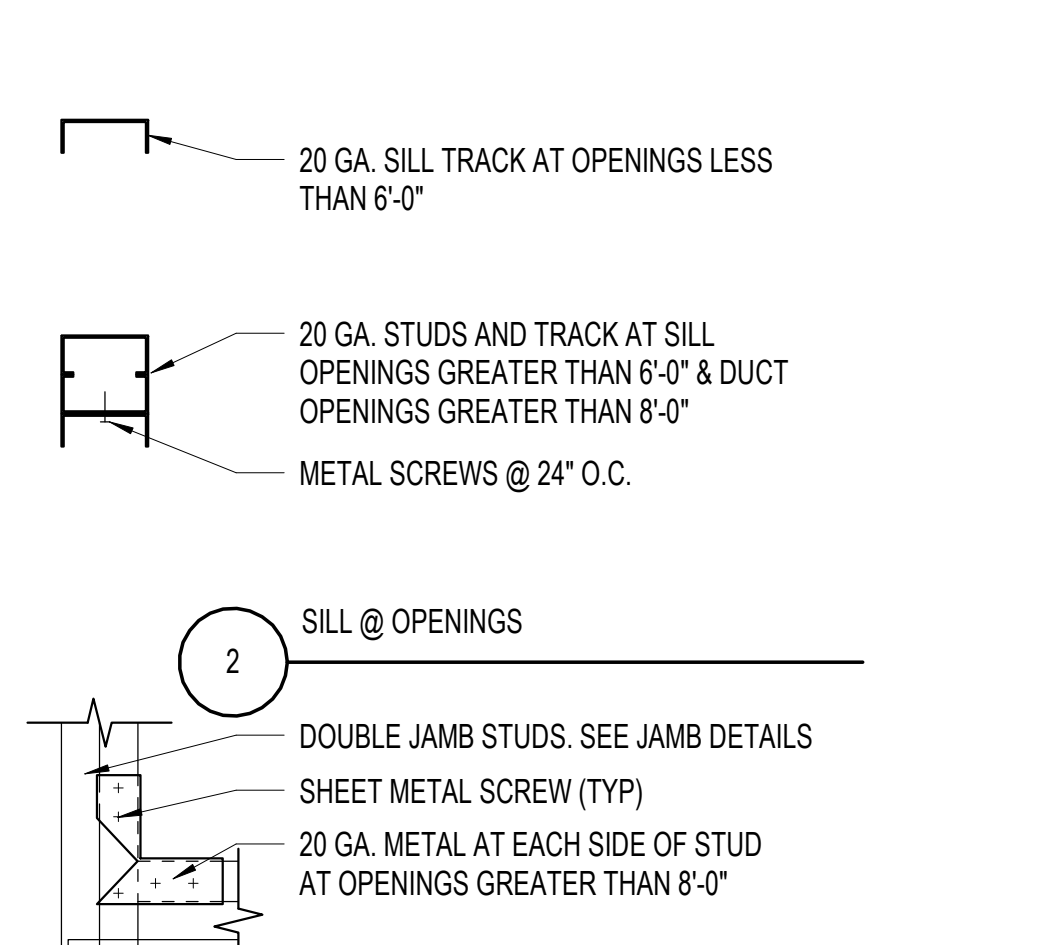


5 BASE TRACK @ OPENINGS

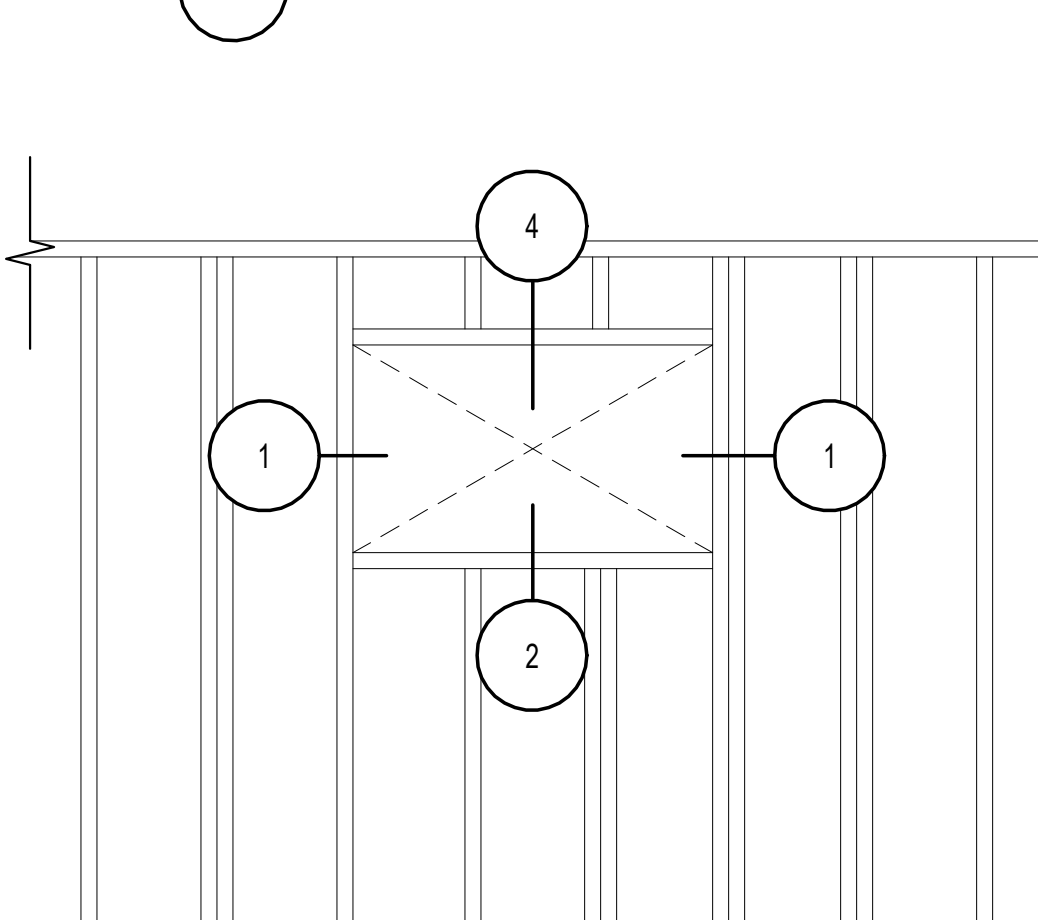


5 BASE TRACK @ OPENINGS

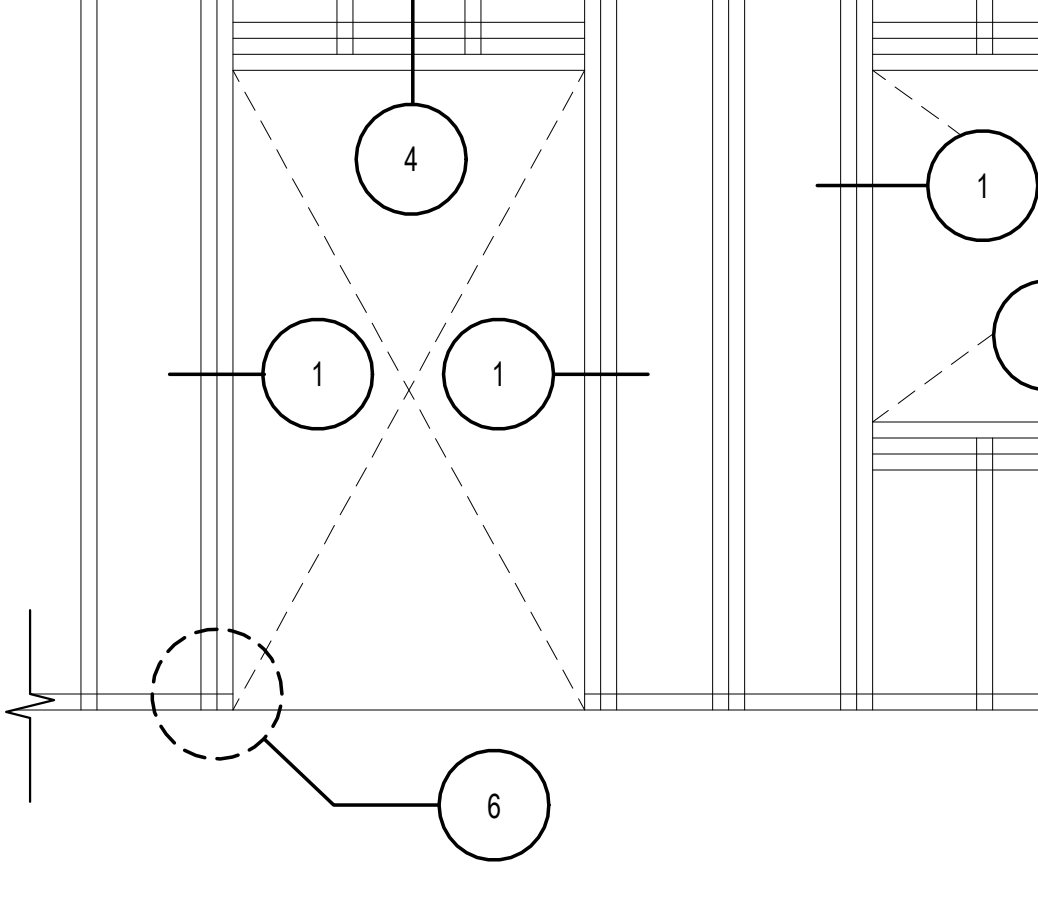
1 JAMB @ OPENINGS



2 SILL @ OPENINGS

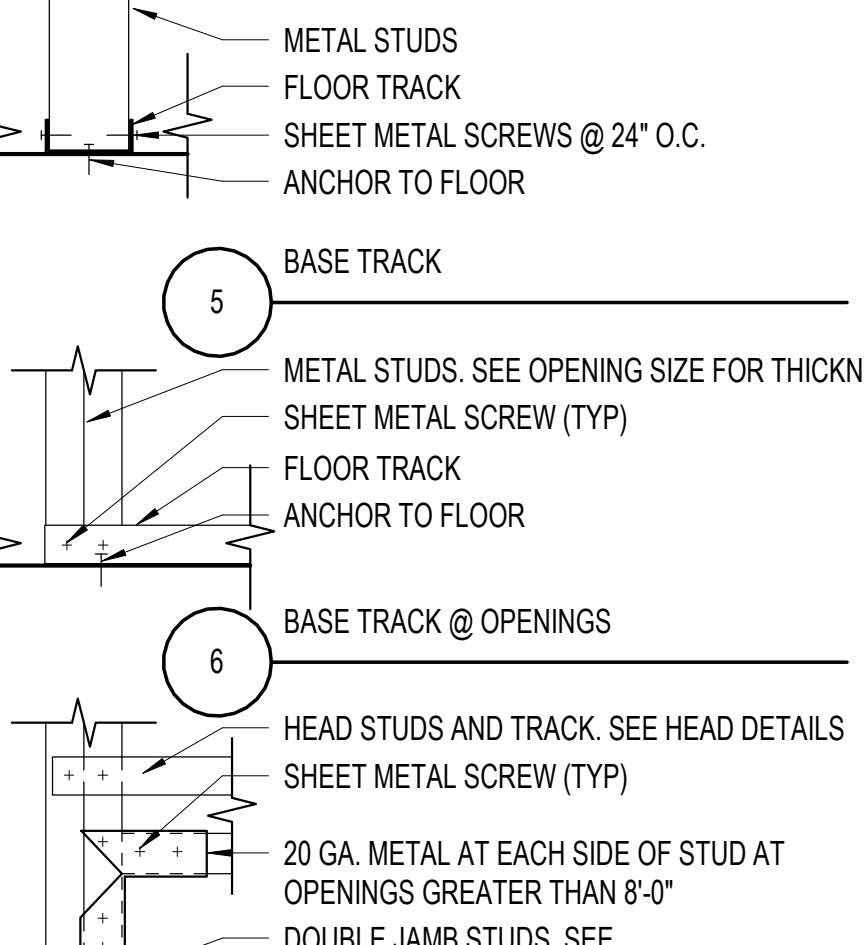


3 FRAMED OPENING @ JAMB

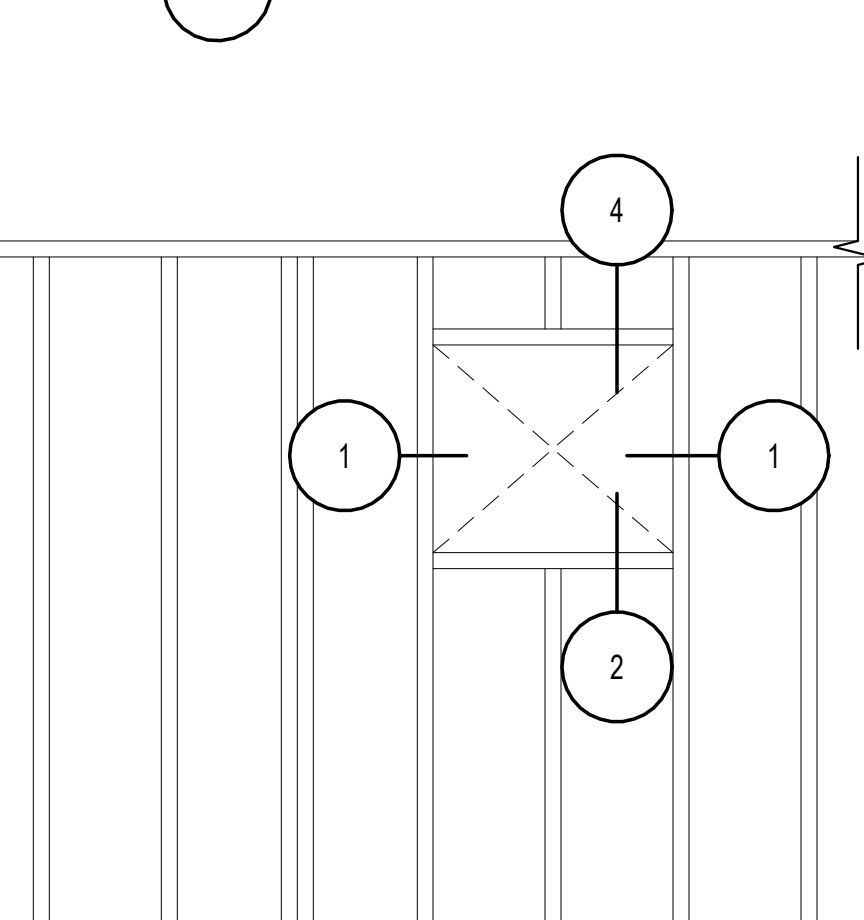


3 FRAMED OPENING @ JAMB

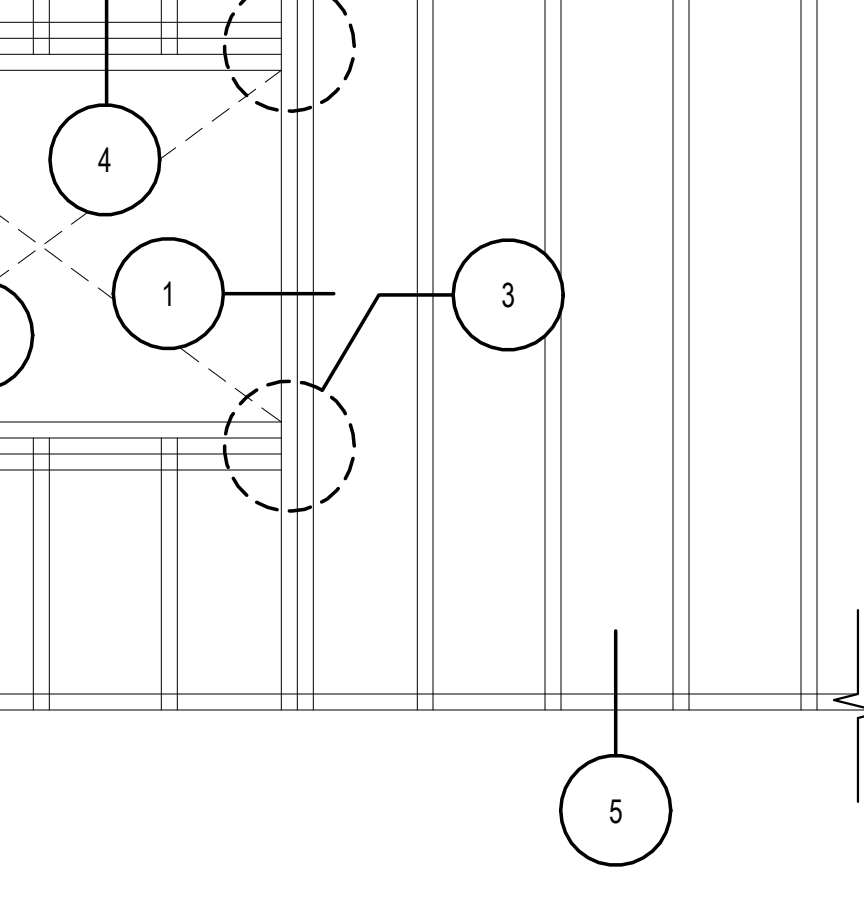
4 HEADER @ OPENINGS



7 FRAMED OPENING @ JAMB

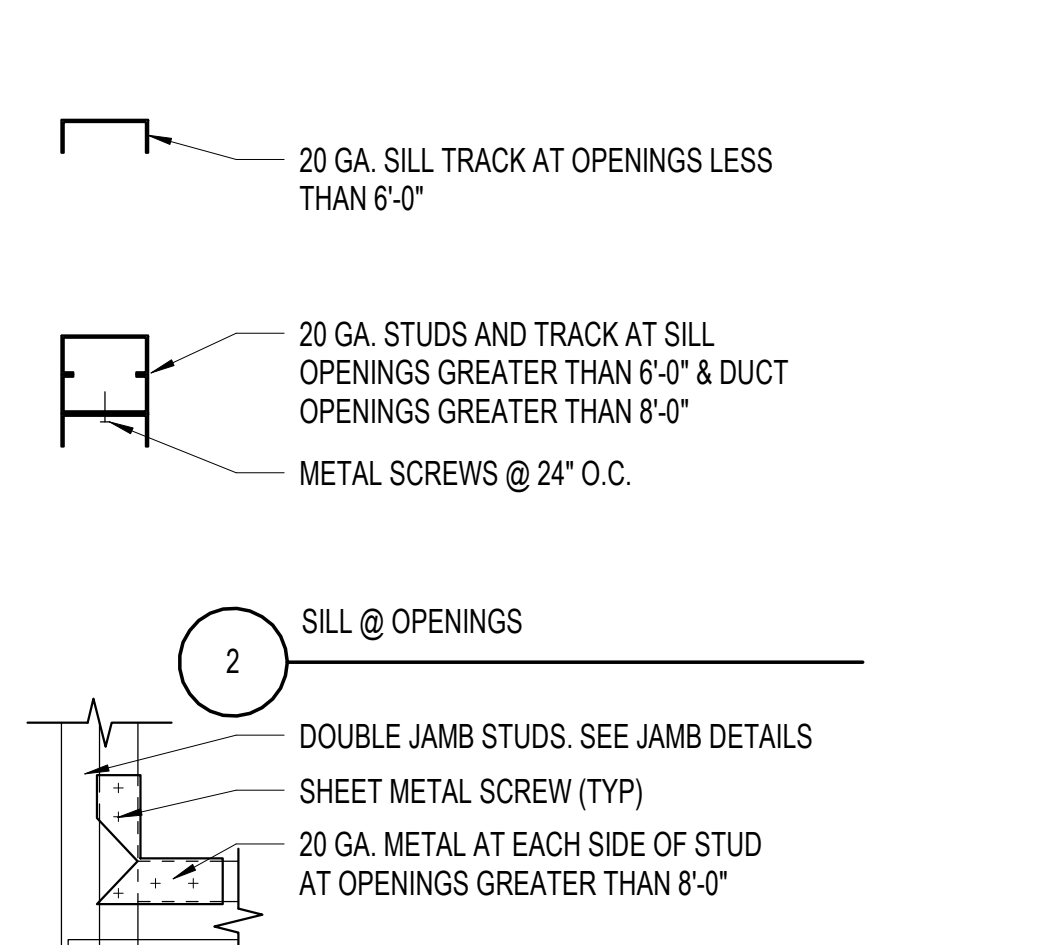


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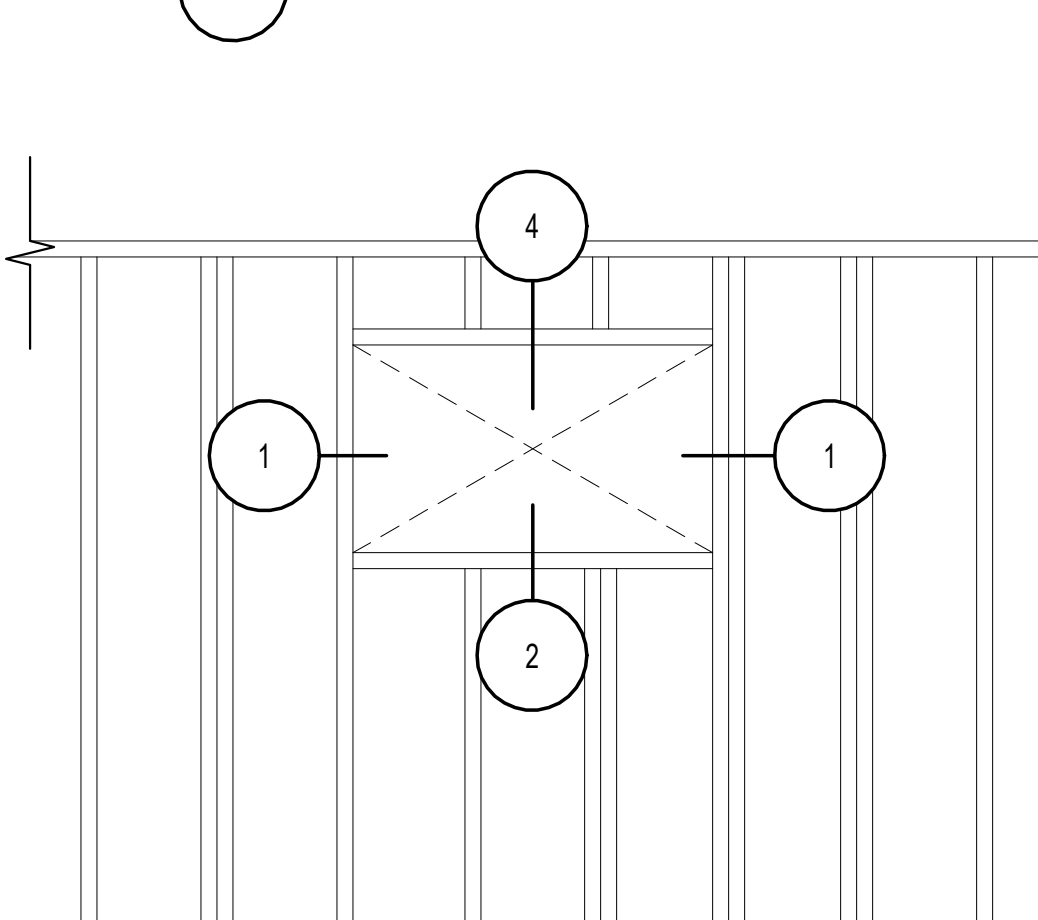


5 BASE TRACK @ OPENINGS

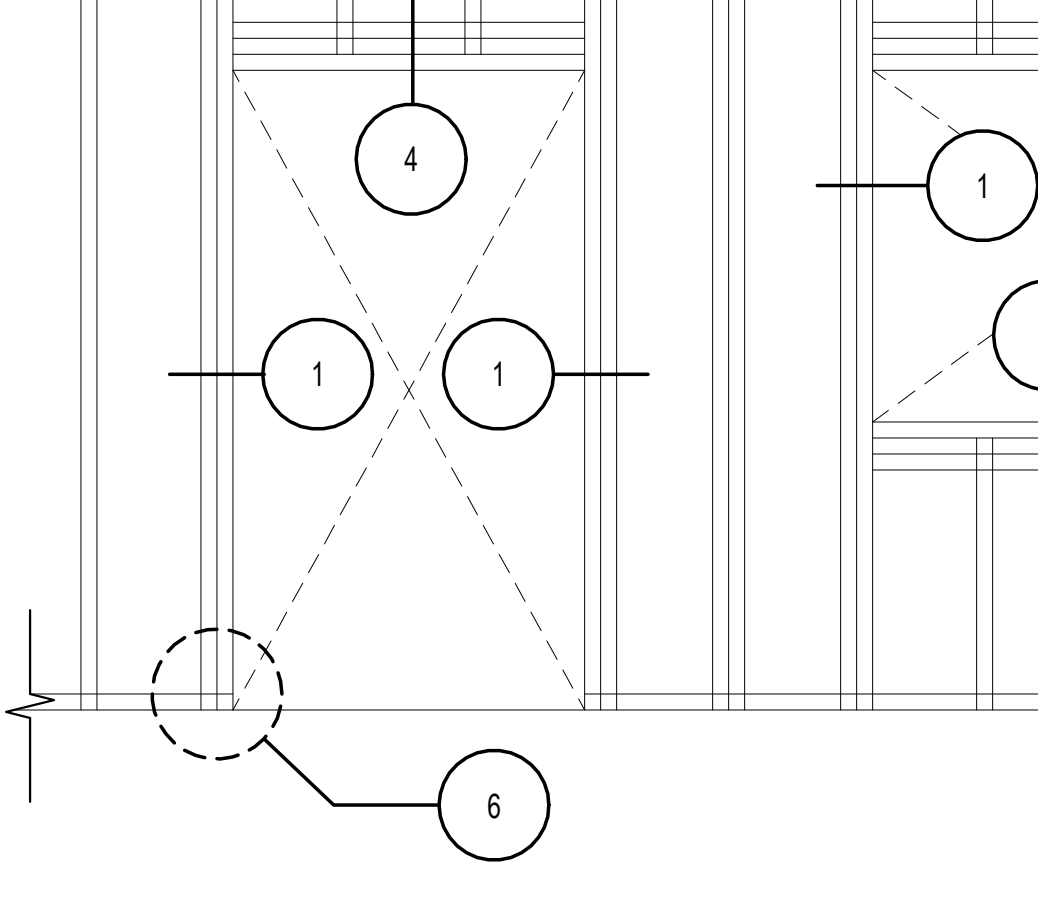
1 JAMB @ OPENINGS



2 SILL @ OPENINGS



3 FRAMED OPENING @ JAMB



3 FRAMED OPENING @ JAMB

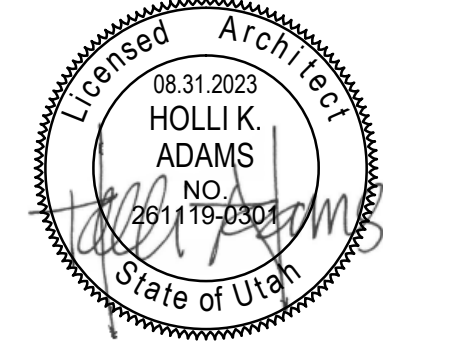
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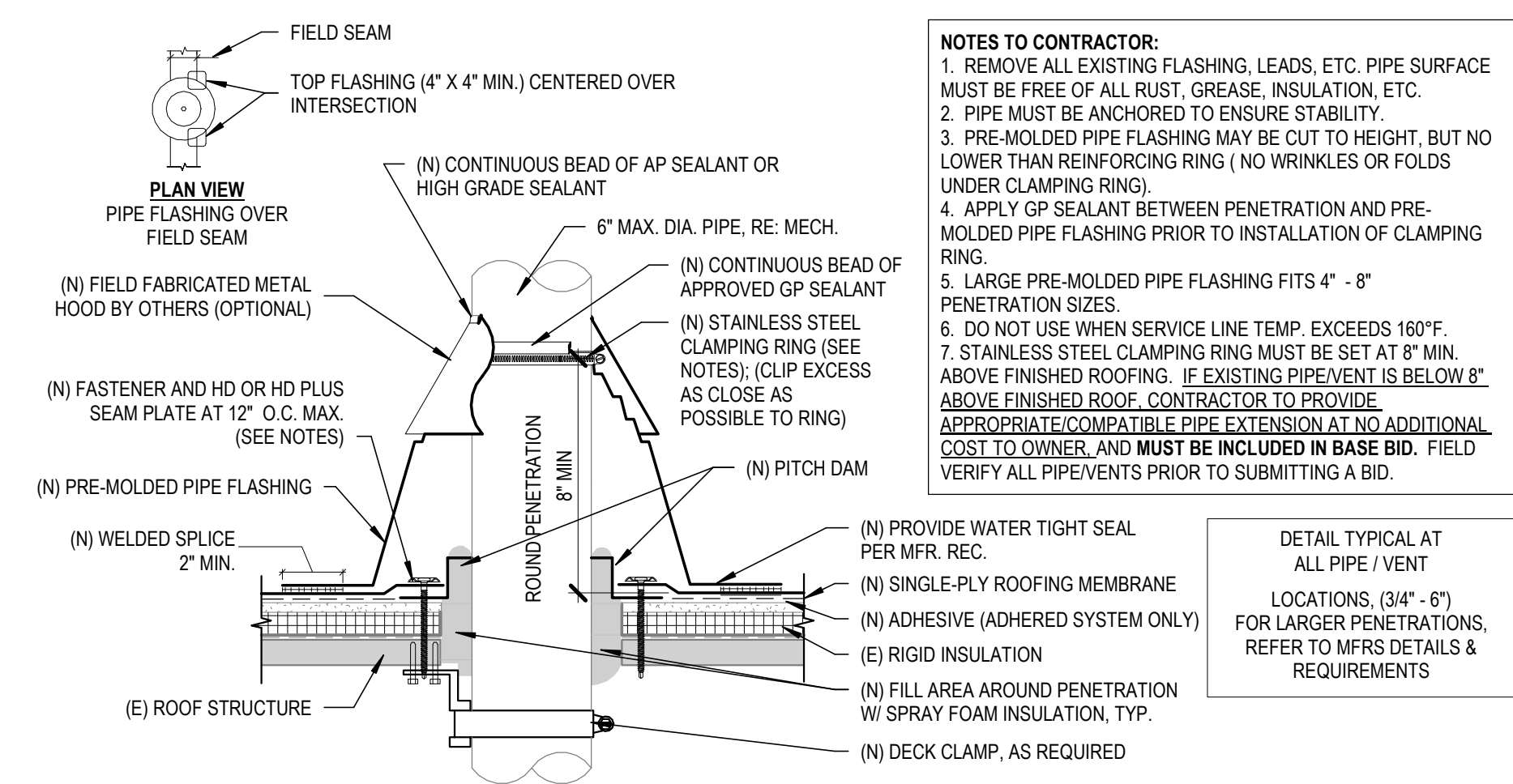
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TYPICAL DETAILS

A702

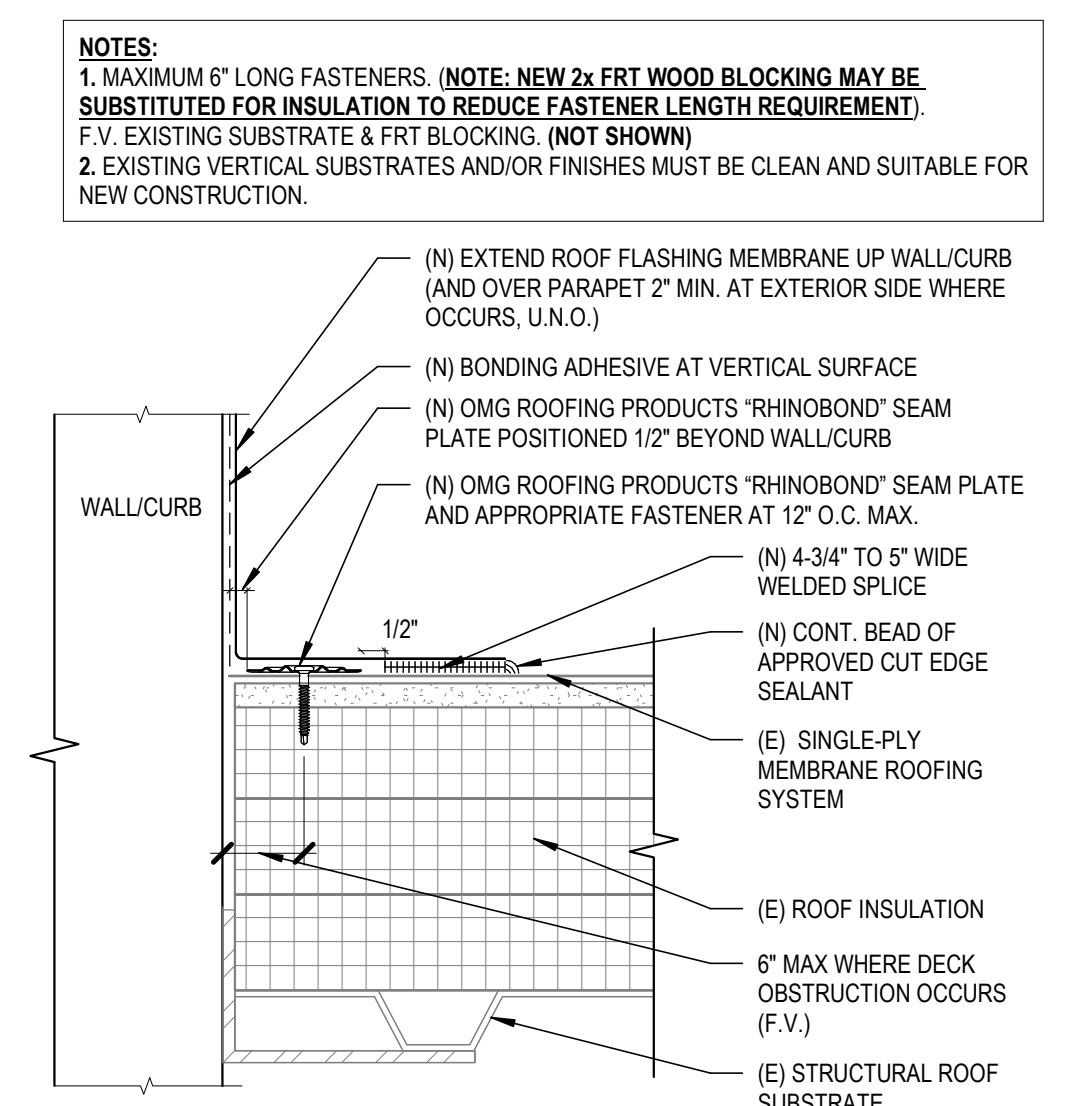
D5 TYP. SECTION DETAIL & PIPE PENETRATION
A702 1 1/2" = 1'-0"



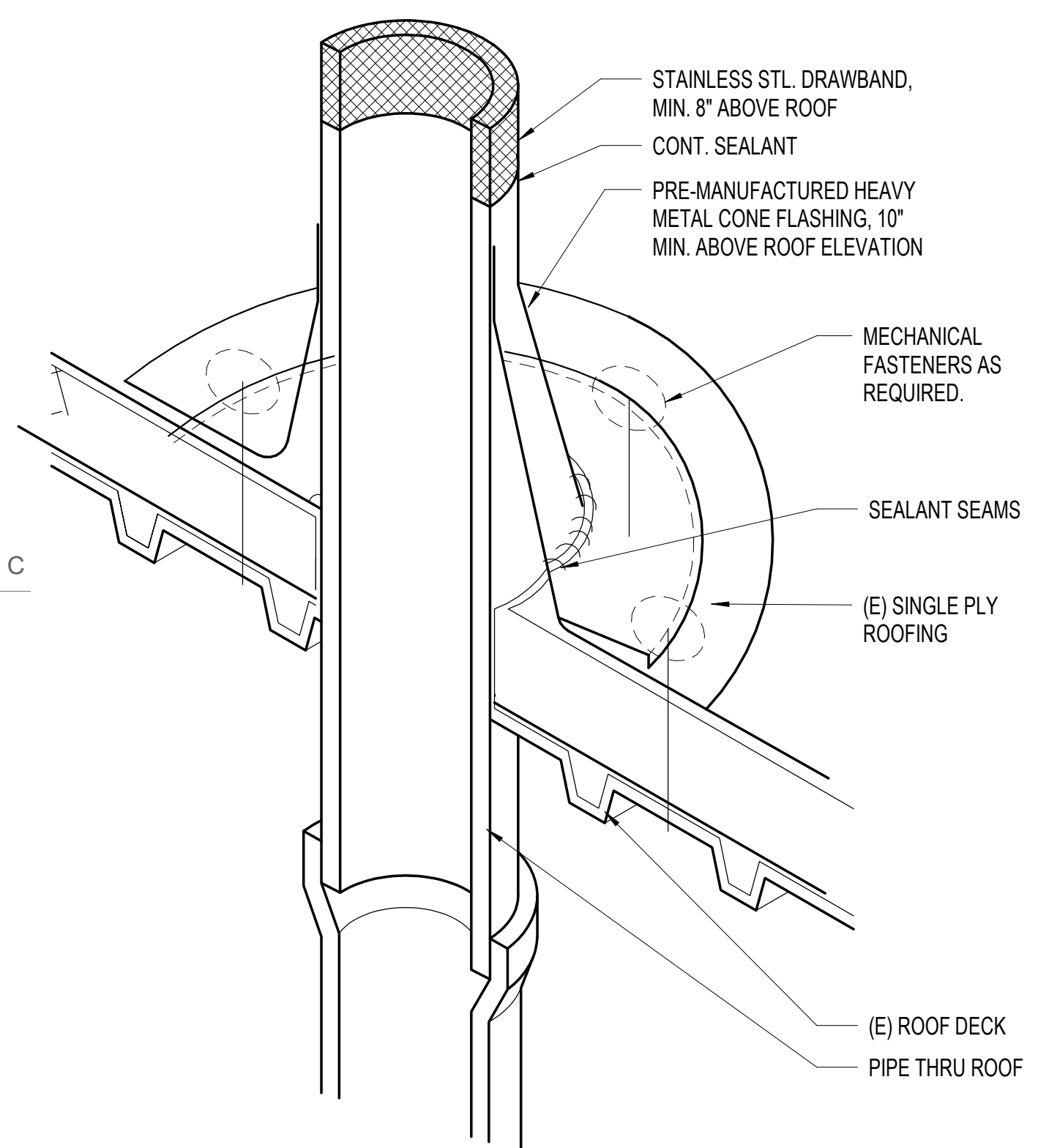
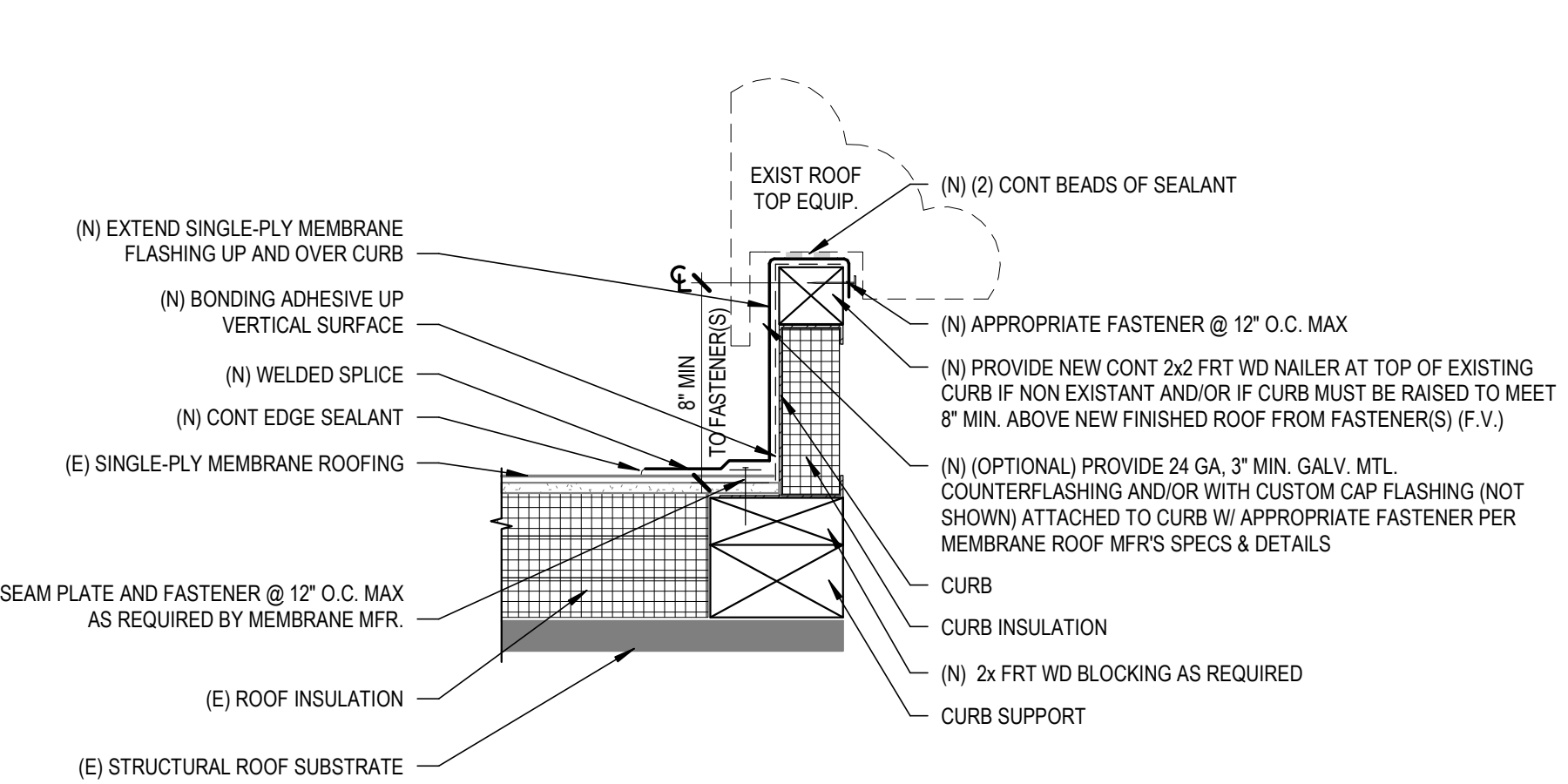
NOTES TO CONTRACTOR:
1. REMOVE ALL EXISTING FLASHING, LEADS, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
3. PRE-MOLDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
4. APPLY GP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.
5. LARGE PRE-MOLDED PIPE FLASHING FITS 4" - 8" PENETRATION SIZES.
6. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 160°F.
7. STAINLESS STEEL CLAMPING RING MUST BE SET AT 8" MIN. ABOVE FINISHED ROOF. CONTRACTOR TO PROVIDE APPROPRIATE/COMPATIBLE PIPE EXTENSION AT NO ADDITIONAL COST TO OWNER, AND MUST BE INCLUDED IN BASE BID. FIELD VERIFY ALL PIPE/VENTS PRIOR TO SUBMITTING A BID.

DETAIL TYPICAL AT ALL PIPE / VENT LOCATIONS, (3/4" - 6") FOR LARGER PENETRATIONS, REFER TO MFRS DETAILS & REQUIREMENTS

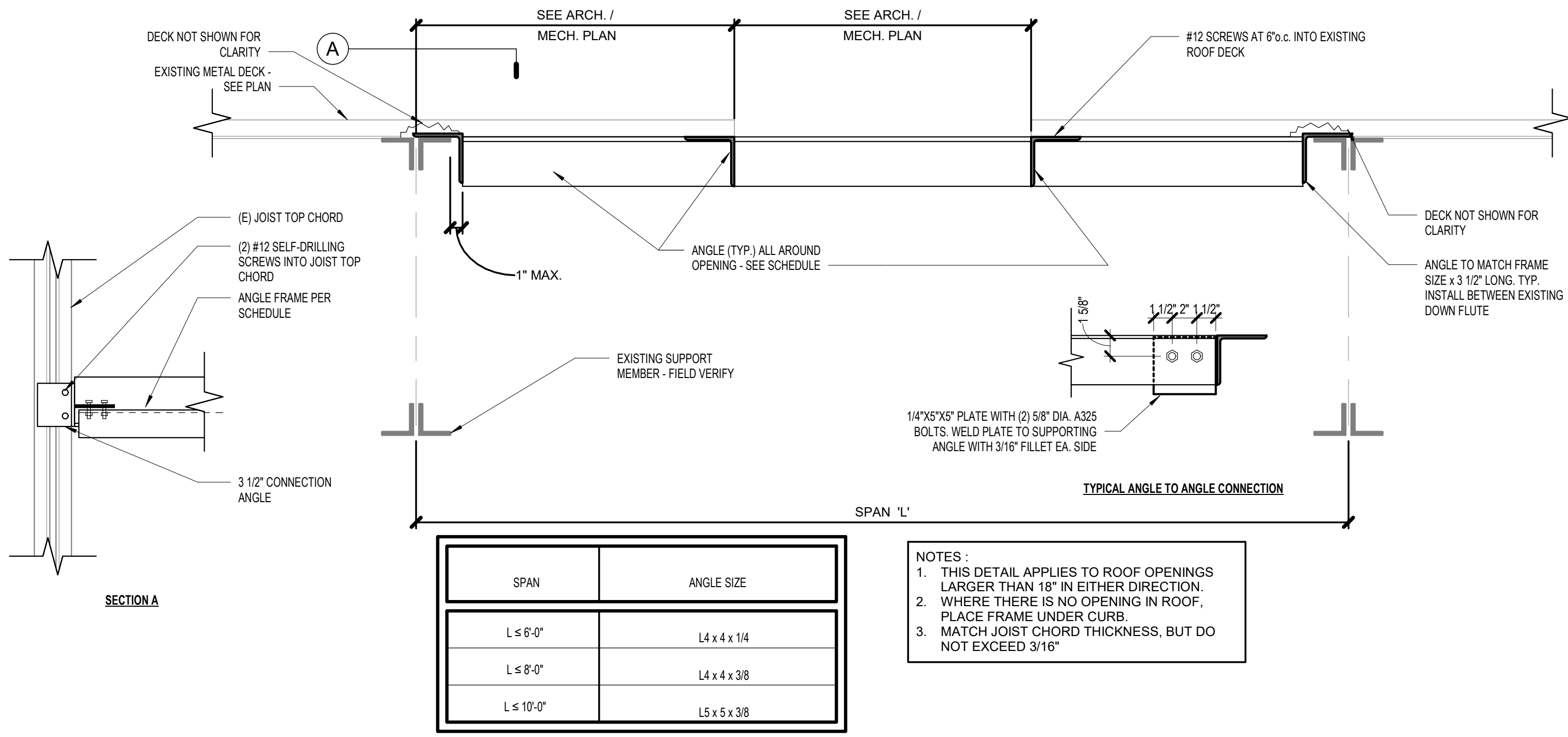
D3 TYP. SECTION DETAIL OF BASE TIE-IN DETAIL
A702 3" = 1'-0"



D2 TYP. SECTION DETAIL OF EQUIP. ROOF CURB
A702 1 1/2" = 1'-0"



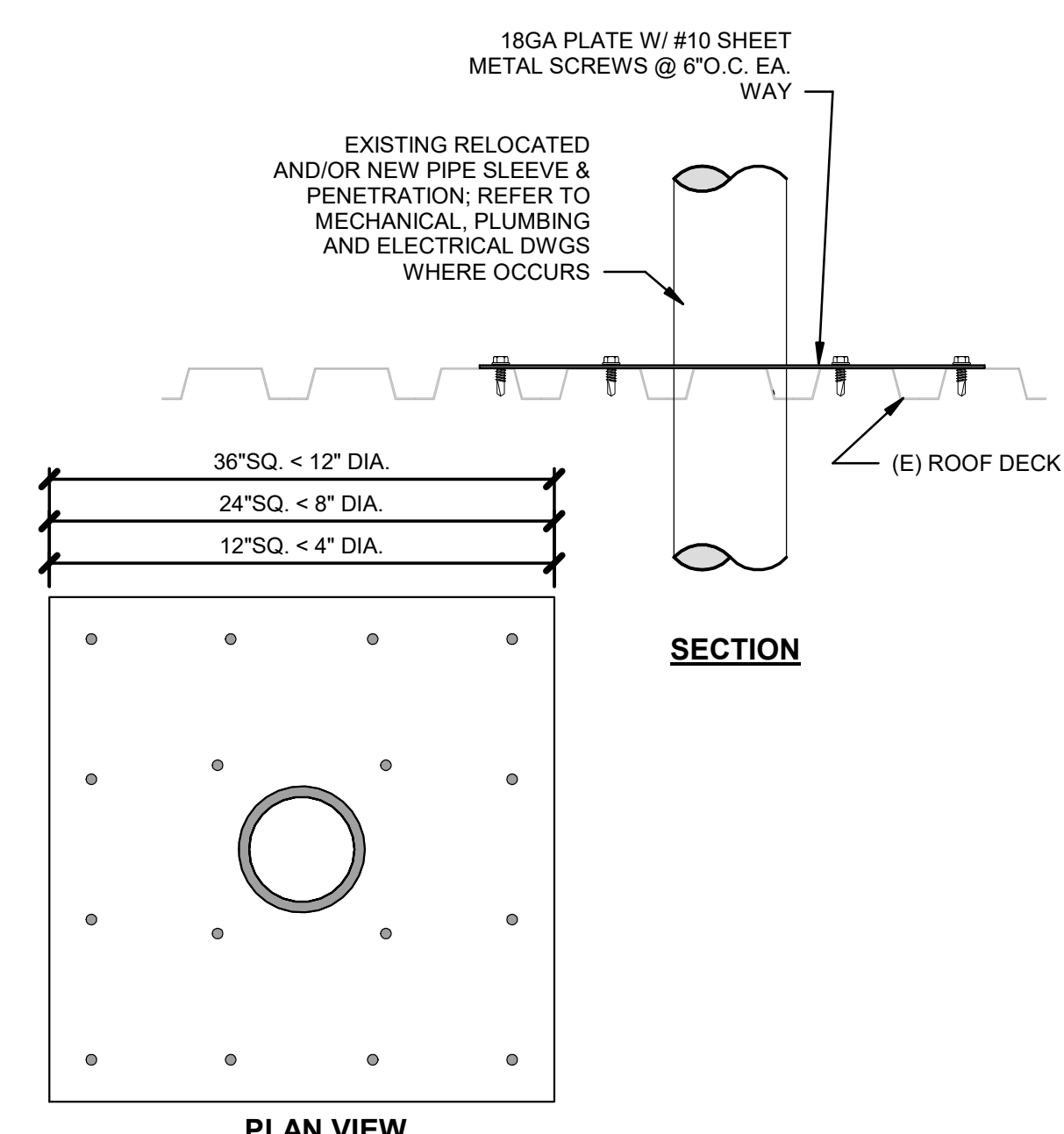
B5 PIPE FLASHING DETAIL
A702 6" = 1'-0"



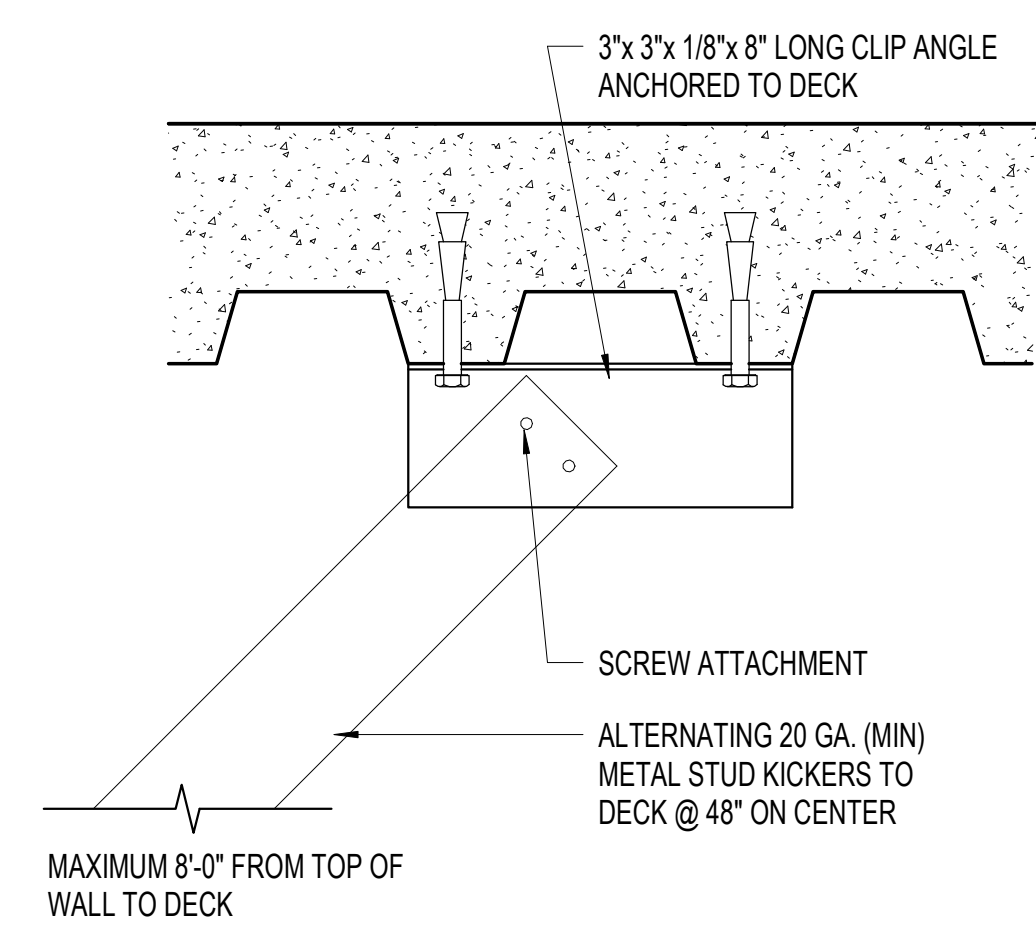
B4 TYP. NEW ROOF OPENING IN (E) ROOF DECK
A702 1 1/2" = 1'-0"

SPAN	ANGLE SIZE
L ≤ 6'-0"	L4 x 4 x 1/4
L ≤ 8'-0"	L4 x 4 x 3/8
L ≤ 10'-0"	L5 x 5 x 3/8

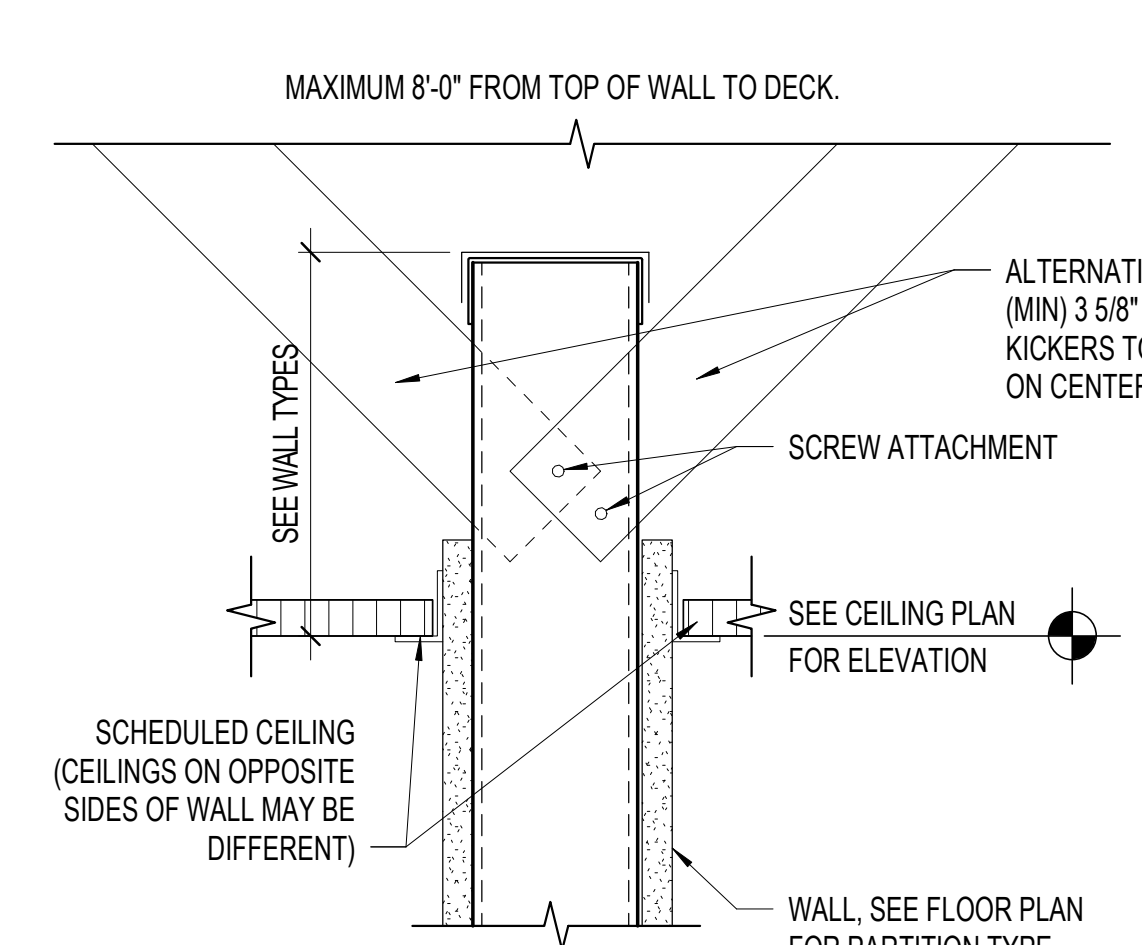
NOTES:
1. THIS DETAIL APPLIES TO ROOF OPENINGS LARGER THAN 18" IN EITHER DIRECTION.
2. WHERE THERE IS NO OPENING IN ROOF, PLACE FRAME UNDER CURB.
3. MATCH JOIST CHORD THICKNESS, BUT DO NOT EXCEED 3/16"



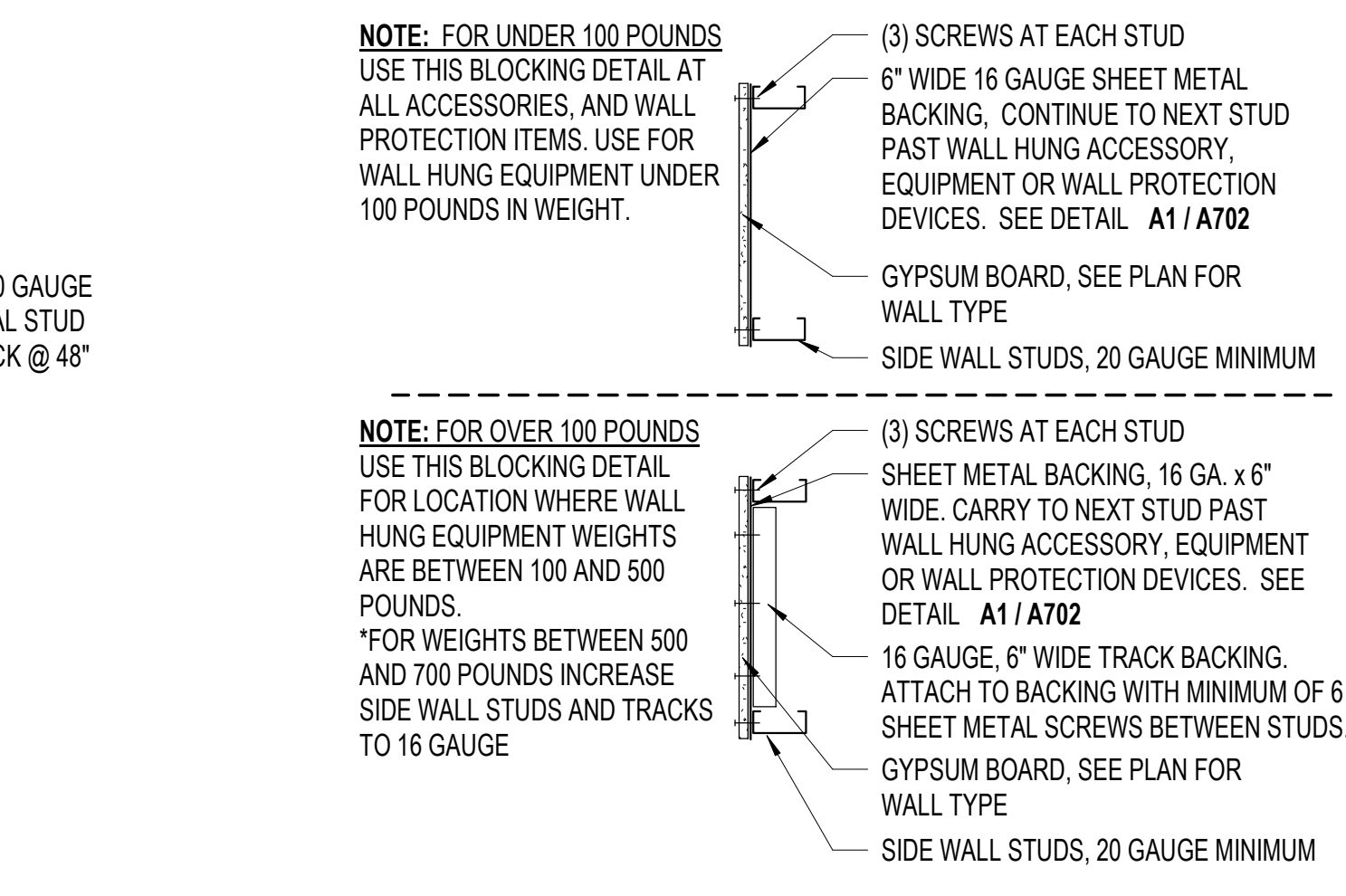
B1 TYPICAL PIPE SLEEVE THROUGH ROOF
A702 1 1/2" = 1'-0"



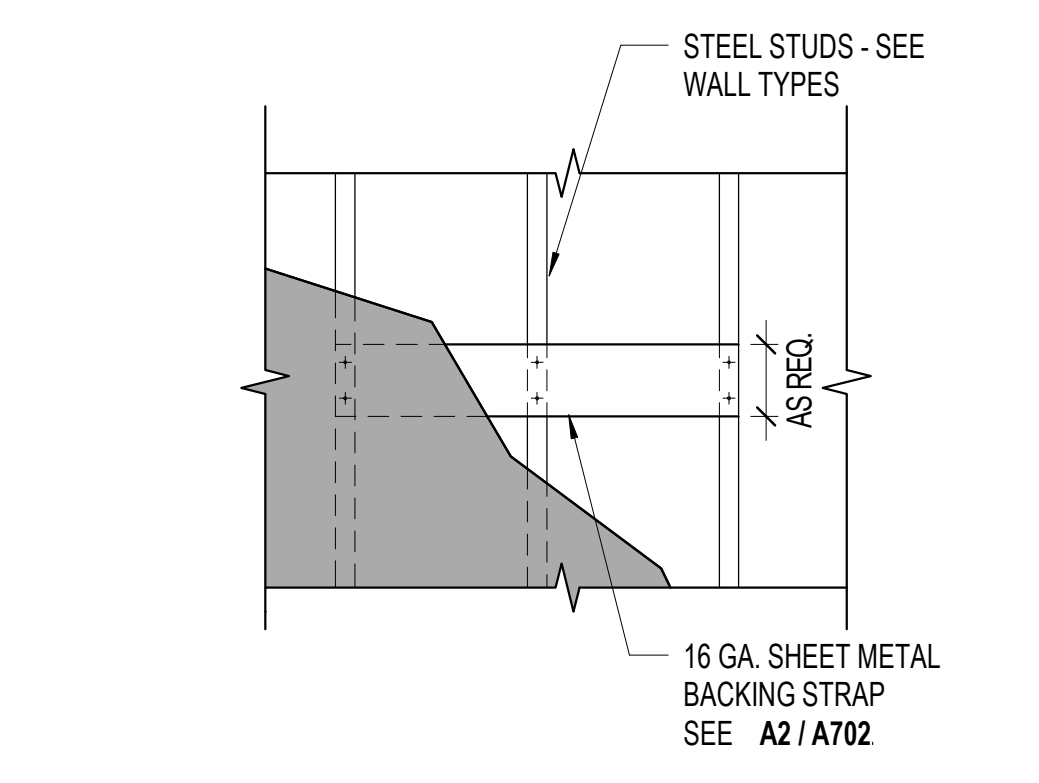
A4 WALL ANCHOR DETAIL
A702 3" = 1'-0"



A3 WALL SEISMIC BRACING DETAIL
A702 3" = 1'-0"



A2 WALL BACKING DETAILS
A702 12" = 1'-0"



A1 MOUNTING PLATE DETAIL
A702 3" = 1'-0"

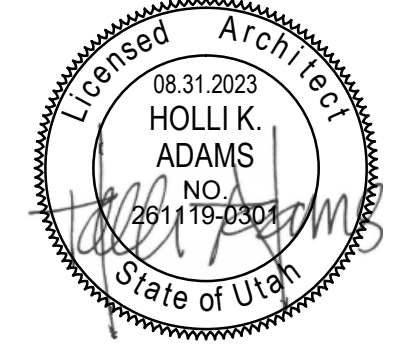
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FINISH FLOOR PLAN, FINISH SCHEDULE, AND FINISH LEGEND

AI101

GENERAL NOTES - FINISHES

- A. THE ABSENCE OF A VIEW DOES NOT PRECLUDE THE REQUIREMENT TO PROVIDE A FINISH AS INDICATED BY THE FINISH SCHEDULE.
B. SEE FLOOR FINISH PLANS AND INTERIOR ELEVATION VIEWS, WHERE DRAWN, FOR ADDITIONAL FINISH LOCATION, TYPE, AND TRANSITION INFORMATION.
C. WHERE THE FINISH SCHEDULE OR INTERIOR ELEVATIONS CALL FOR TILE, REPLACE GYPSUM BOARD SHOWN IN THE WALL'S ASSEMBLY WITH TILE BACKER BOARD WHERE TILE OCCURS. REPLACE OTHER GYPSUM BOARD SHOWN IN THAT WALL'S ASSEMBLY WITH MOISTURE RESISTANT GYPSUM BOARD WHERE NO TILE OCCURS.
D. PROVIDE BACKING / SUPPORT FOR ALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK, AND/OR SYSTEMS FURNITURE. COORDINATE WITH FLOOR PLANS, AND INTERIOR ELEVATIONS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE, OTHERWISE REFER TO DETAILS ON A700 SHEET SERIES.
E. SEE REFLECTED CEILING PLANS FOR CEILING FEATURES AND FINISH ELEVATIONS.
F. ALL EXPOSED UNFINISHED STEEL TO BE PAINTED UNLESS DIRECTED BY ARCHITECT.
G. DO NOT SCALE DRAWINGS.

- ALL FINISHES:
1. WHERE A FINISH IS PARTLY HIDDEN BY AN OBJECT, EXTEND THAT FINISH BEHIND THE OBJECT.
2. WHERE MULTIPLE FINISHES ARE SCHEDULED, REFER TO FLOOR FINISH PLANS OR INTERIOR ELEVATIONS FOR LOCATIONS OF TRANSITIONS.

- FLOOR FINISHES:
1. EXTEND FLOOR FINISHES UNDER COUNTERS, INTO KNEE SPACES AT CABINETS, AND UNDER ALL OTHER OBJECTS SHOWN IN FINISH PLANS THAT MAY OBSCURE THE EXTENT OF THE FLOOR FINISH.

- BASE FINISHES:
1. ROOMS WHERE BASE SCHEDULED, PROVIDE BASE AT ALL WALLS WHETHER OR NOT IT IS SHOWN IN ELEVATION, INCLUDING ALCOVES AND OFFSETS.

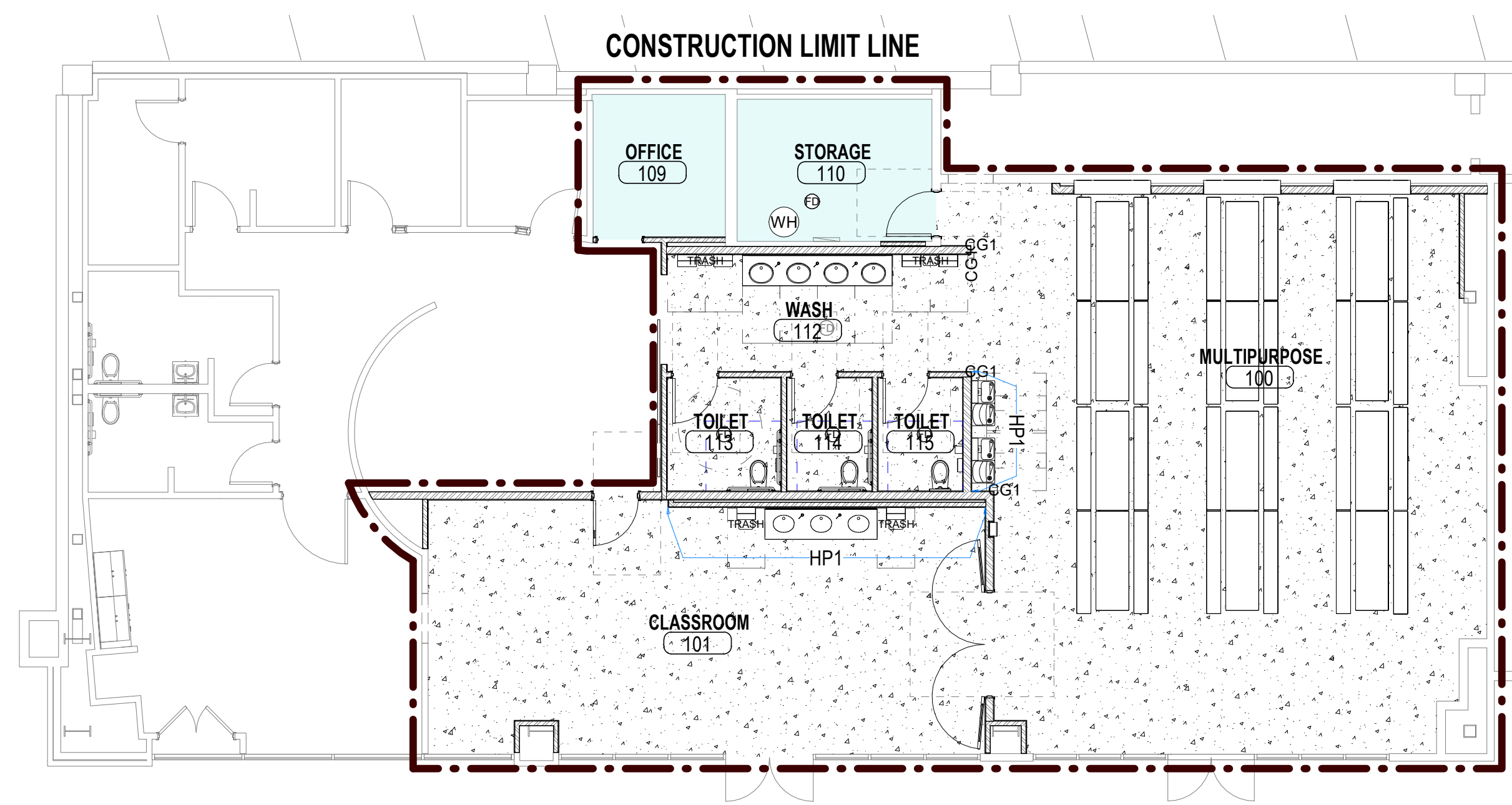
- WALLS:
1. EXTEND ALL WALL FINISHES BEHIND CABINETS, MIRRORS AND INTO OTHER AREAS THAT MAY BE HIDDEN IN ELEVATION VIEWS.

- CEILINGS:
1. PAINT AREAS ABOVE SUSPENDED CEILINGS THAT ARE VISIBLE FROM BELOW. COLOR: BLACK.

ROOM FINISH SCHEDULE table with columns: ROOM, NAME, FLOOR, BASE, WALLS (N, E, S, W), CEILING, ROOM. Rows include 100 MULTIPURPOSE, 101 CLASSROOM, 109 OFFICE, 110 STORAGE, 112 WASH, 113 TOILET, 114 TOILET, 115 TOILET.

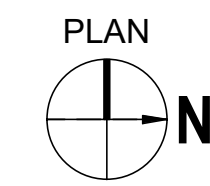
Table with 5 columns: FLOOR FINISHES, FLOOR FINISHES, FLOOR FINISHES, FLOOR FINISHES, FLOOR FINISHES. Rows include EPOXIED CONCRETE, 6" EPOXIED CONCRETE BASE, 6" COVED RUBBER BASE, HIGH PERFORMANCE COATING, PAINTED GYPSUM BOARD, etc.

Table with 5 columns: CEILING FINISHES, CEILING FINISHES, CEILING FINISHES, MILLWORK, MILLWORK, MISCELLANEOUS, MISCELLANEOUS. Rows include 24" X 24" ACOUSTICAL CEILING PANEL, ACOUSTICAL CEILING PANEL, PAINTED GYPSUM BOARD, QUARTZ COUNTERTOP, STAINLESS STEEL CORNERGUARD.



Room Legend

- EP1
EXIST.



A3 FINISH PLAN (PHASE I) AI101 1/8" = 1'-0"

D

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B

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LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER TOP FIGURE: CONNECTION SIZE, ACTIVE LENGTH, SLOT QUANTITY - WIDTH BOTTOM FIGURE: AIR FLOW & QUANTITY (IF MORE THAN ONE OF SIMILAR CFM)
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS-DEPTH OF DUCT.
	INCLINED DROP
	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER

DUCTWORK/GRILLES CONT.

	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MINIMUM 1 1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
	DUCT SMOKE DETECTOR
	DEMOLITION

TOP FIGURES INDICATE: NECK SIZE AND TYPE
BOTTOM FIGURE INDICATES: QUANTITY AND CFM (IF MORE THAN ONE OF SIMILAR CFM)

PIPING

	SHUT OFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	ANGLE VALVE
	GLOBE VALVE
	PLUG VALVE
	SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
	CHECK VALVE
	LATERAL STRAINER WITH BLOW-OFF VALVE. PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN F&T=FLOAT & THERMOSTATIC
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING VALVE EXTERNAL PRESSURE
	PRESSURE REDUCING VALVE SELF CONTAINED
	ATC - 2 WAY VALVE
	ATC - 3 WAY VALVE
	SOLENOID VALVE
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	VENTURI FLOW METER
	FLOW METER ORIFICE
	RELIEF VALVE
	AIR VENT-MANUAL
	AIR VENT-AUTO
	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	THERMOMETER WELL
	THERMOMETER - TEMPERATURE RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
	PRESSURE GAUGE WITH PIGTAIL
	UNION
	FLANGE
	FLEXIBLE EXPANSION JOINT
	REDUCER
	ECCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION

PIPING CONT.

	RISE OR DROP
	RISER - DOWN (ELBOW)
	RISER - UP (ELBOW)
	PIPE CAP
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	VALVE IN RISE
	90° ELBOW
	45° ELBOW
	ALIGNMENT GUIDE
	ANCHOR

PLUMBING

	THERMOSTATIC MIXING VALVE
	HOSE BIBB
	FLOOR SINK
	FLOOR DRAIN
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	ROOF DRAIN
	DOWNSPOUT NOZZLE
	VENT THRU ROOF
	WATER HAMMER ARRESTOR
	CLEAN-OUT
	FILL PORT
	DRAIN PAN AND P-TRAP
	FIXTURE FROM LEVEL ABOVE
	DEMOLITION

EQUIPMENT

	UNIT HEATER
	INLINE PUMP
	INLINE PUMP
	FAN

ANNOTATIONS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG TOP FIGURE: SECTION NUMBER BOTTOM FIGURE: SHEET NUMBER
	DETAIL TAG TOP FIGURE: DETAIL NUMBER BOTTOM FIGURE: SHEET NUMBER
	DETAIL TAG TOP FIGURE: EQUIPMENT TYPE BOTTOM FIGURE: UNIT NUMBER
	EQUIPMENT IDENTIFICATION TOP FIGURE: EQUIPMENT TYPE AND NUMBER BOTTOM FIGURE: UNIT SIZE
	KEYED NOTE IDENTIFICATION
	SWITCH
	SENSOR
	THERMOSTAT
	NIGHT THERMOSTAT

LINETYPES

	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW-R)
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	NATURAL GAS
	HEATING HOT WATER RETURN
	HEATING HOT WATER SUPPLY
	WASTE (BELOW GRADE)
	WASTE (ABOVE GRADE)
	VENT (WASTE)

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
M001	LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS
M002	MECHANICAL GENERAL NOTES
MD100	MECHANICAL DEMOLITION FLOOR PLAN
MM1	MECHANICAL FLOOR PLAN
M102	MECHANICAL ROOF PLAN
MS1	MECHANICAL SCHEDULES
M601	MECHANICAL SCHEDULES
M801	MECHANICAL ZONE PLAN
MPD100	MECH. PIPING DEMOLITION FLOOR PLAN
MP101	MECH. PIPING FLOOR PLAN
PD100	PLUMBING DEMOLITION FLOOR PLAN
P101	PLUMBING FLOOR PLAN
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES

FIRE

	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

ABBREVIATIONS

Ø	ROUND	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	MA	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NORMALLY CLOSED
CAP	CAPACITY	NFH	NON FREEZE HYDRANT
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CO	CLEAN OUT	NO	NORMALLY OPEN
DCW	DOMESTIC COLD WATER	NTS	NOT TO SCALE
DB	DRY BULB	O	OXYGEN
DIA	DIAMETER	OA	OUTSIDE AIR
DN	DOWN	PD	PRESSURE DROP
DW	DISTILLED WATER	PLBG	PLUMBING
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	RA	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	RCP	RADIANT CEILING PANEL
EA	EXHAUST AIR	RD	ROOF DRAIN
F	DEGREES FAHRENHEIT	RDO	ROOF DRAIN OVERFLOW
FCO	FLOOR CLEAN OUT	RH	RELATIVE HUMIDITY
FD	FLOOR DRAIN	RLA	RELIEF AIR
FDV	FIRE DEPARTMENT VALVE	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTF	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIBB	TD	TEMPERATURE DROP
HP	HORSE POWER	TD	TRENCH DRAIN
DHW	DOMESTIC HOT WATER	TEMP	TEMPERATURE
HYD	HYDRANT	TYP	TYPICAL
ID	INDIRECT	VAC	VACUUM
IN	INCH	V	VENT
INVERT	INVERT	VAV	VARIABLE AIR VOLUME
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LPG	LIQUEFIED PETROLEUM GAS	WCO	WALL CLEAN OUT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
CU	AIR COOLING CONDENSING UNIT	EW	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FC	FAN COIL
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HR	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
ED	ELECTRIC DUCT HEATER	WH	WATER HEATER

Salt Lake County
CLARK PLANETARIUM NEW
SPACE TENANT IMPROVEMENT
 110 S 400 W, Salt Lake City, UT 84101

#	Date	Revision
1	10-16-23	PLAN REVIEW 01

CONSTRUCTION DOCUMENTS (BP-2, P.1)

NEXUS PROJECT #: 22070
 CHECKED BY: GR
 DRAWN BY: JN
 DATE: 25 AUGUST 2023

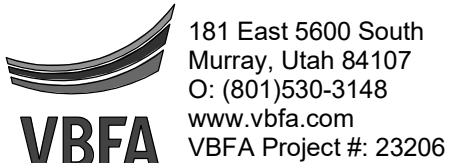
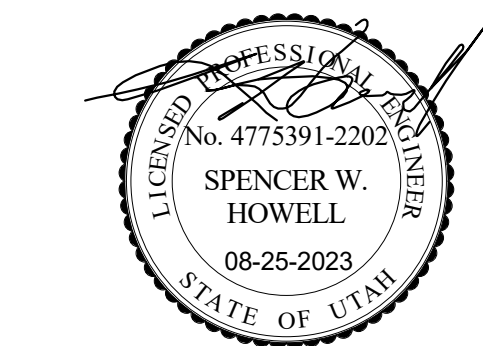
LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

M001



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PLUMBING GENERAL NOTES

1. UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
6. COORDINATE FAN ROOM FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
7. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
8. PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING, IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
10. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
11. LOCATE ALL VENTS MINIMUM 10' AWAY FROM AIR INTAKES.
12. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
13. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
14. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
15. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
16. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
17. COORDINATE EXACT LOCATION OF PLUMBING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, DUCTWORK, MECHANICAL PIPING, FIRE PROTECTION AND OTHER TRADES, TYPICAL.
18. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
19. ACCESS DOORS SHALL BE PROVIDED TO ALL WATER HAMMER ARRESTORS IN WALLS OR ABOVE CEILINGS.
20. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
21. HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
22. COORDINATE EXACT LOCATION OF PLUMBING PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND FIRE PROTECTION PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
23. LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24"x24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING.
24. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
25. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
 - a) SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
 - b) LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
 - c) LOCATE AT THE BASE OF EACH VERTICAL STACK.

MECHANICAL PIPING GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. UNLESS OTHERWISE NOTED, ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
3. WHERE VALVING OR EQUIPMENT IS LOCATED ABOVE HARD CEILINGS PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24"x24".
4. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
5. SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
6. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
7. ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
8. PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
9. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
10. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
11. PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
12. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
13. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.
14. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

MECHANICAL GENERAL NOTES

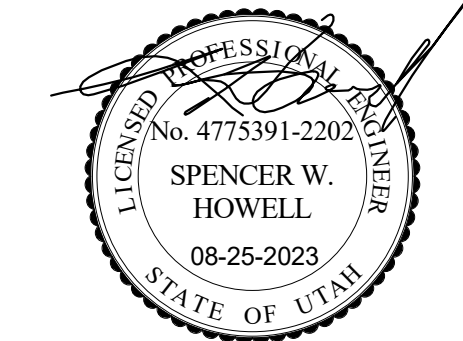
1. COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
2. SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
3. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
4. COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
5. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, TYPICAL.
6. THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
7. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
8. INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
9. CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.
10. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
11. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
12. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.
13. PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
14. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
15. AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
16. THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
17. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
18. ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
19. PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MIN. 24" X 24".
20. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
21. ALL DUCTWORK ABOVE HARD CEILINGS SHALL BE EXTENDED ALL THE WAY TO THE SUPPLY DIFFUSERS, RETURN GRILLS OR EXHAUST GRILLS WHETHER OR NOT HARD DUCT OR FLEX DUCT IS SHOWN ON PLANS. FLEX DUCT WILL NOT BE ALLOWED TO DIFFUSERS OR GRILLS ABOVE HARD CEILINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.
22. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS.
23. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
24. PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24"x24" ACCESS DOOR.



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Date Revision

CONSTRUCTION DOCUMENTS (BP-2, P.1)

NEXUS PROJECT #: 22070
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MECHANICAL GENERAL NOTES



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M002

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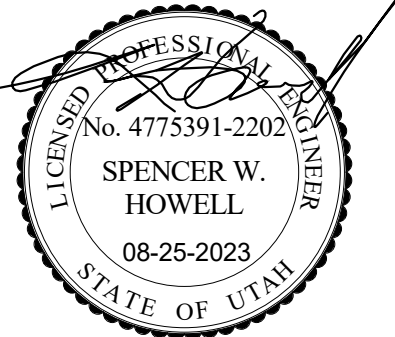
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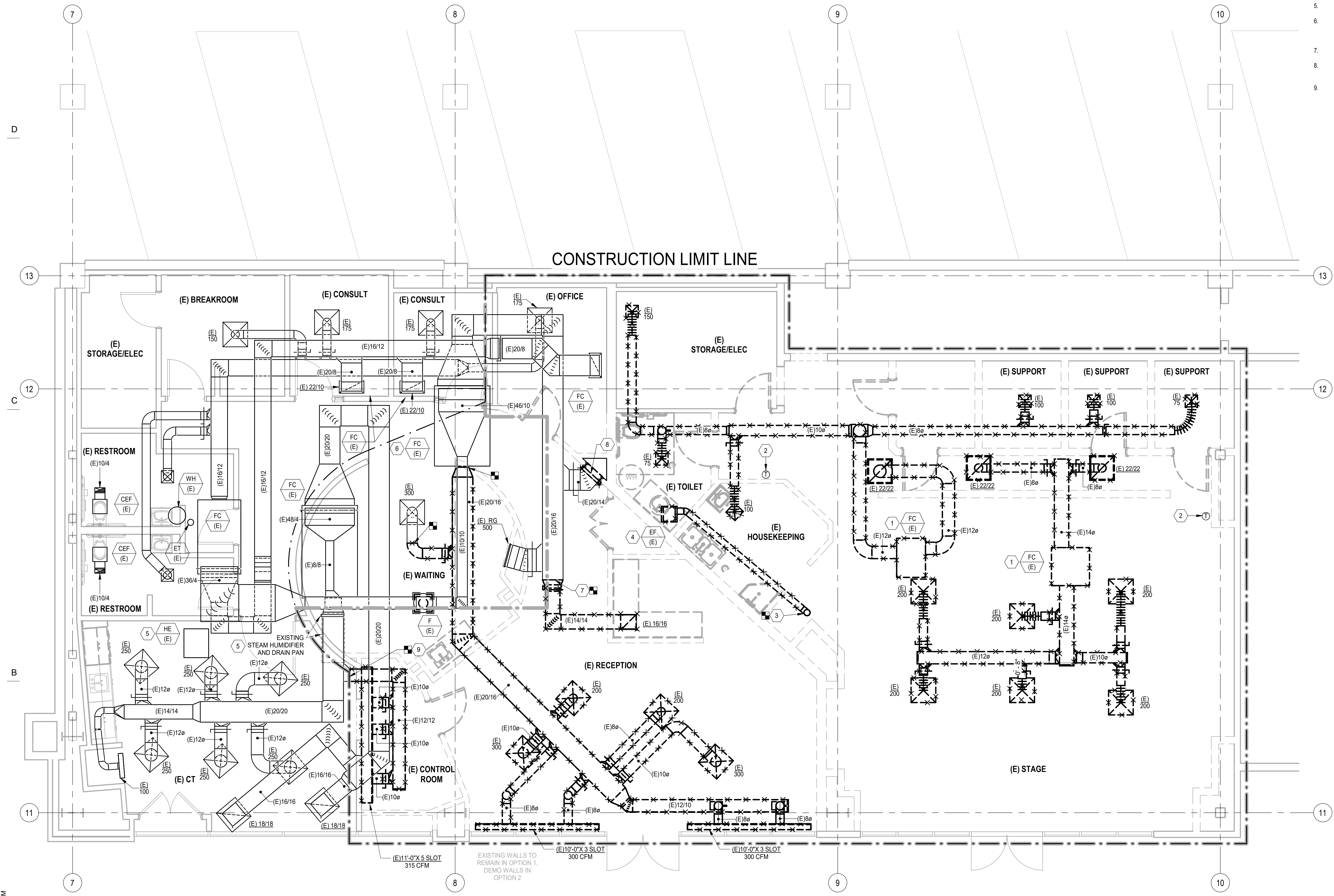
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KEYED NOTES

1. DEMOLISH EXISTING FAN COIL AND ALL ASSOCIATED SUPPLY / RETURN DUCTS, GRILLES, DIFFUSERS AND REGISTERS.
2. DEMOLISH EXISTING FAN COIL CONTROLS AT THIS APPROXIMATE LOCATION.
3. EXISTING EXHAUST RISER TO REMAIN AND CAP.
4. DEMOLISH EXISTING EXHAUST FAN AND EXHAUST DUCTING AS SHOWN. DEMOLISH ASSOCIATED CONTROLS.
5. EXISTING HUMIDIFICATION UNIT TO REMAIN.
6. EXISTING FAN COIL UNIT TO BE ABANDONED IN PLACE. DEMOLISH EXISTING DIFFUSERS AND SUPPLY DUCTWORK BACK TO UNIT AS SHOWN.
7. DEMOLISH DUCTWORK BACK TO POINT INDICATED AND CAP.
8. DEMOLISH EXISTING GRILLE AND DUCTWORK BACK TO POINT INDICATED AND CAP.
9. DEMOLISH EXISTING DIFFUSER AND DUCTWORK BACK TO POINT INDICATED AND CAP.



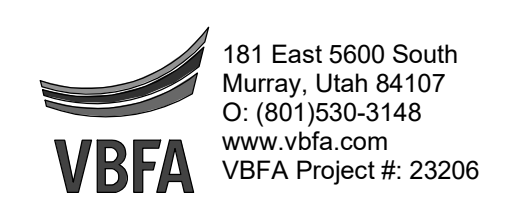
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CONSTRUCTION DOCUMENTS (BP-2, P.1)

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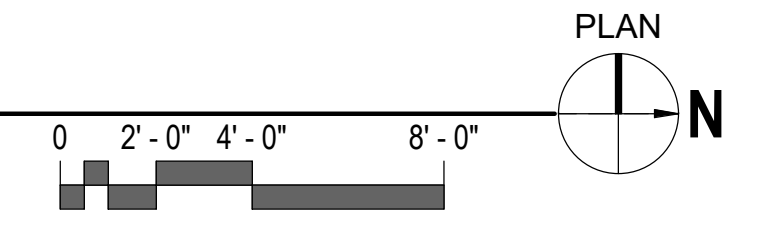
MECHANICAL DEMOLITION FLOOR PLAN



MD100

1 MECHANICAL DEMOLITION FLOOR PLAN

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



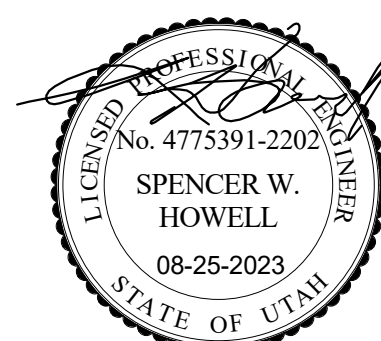
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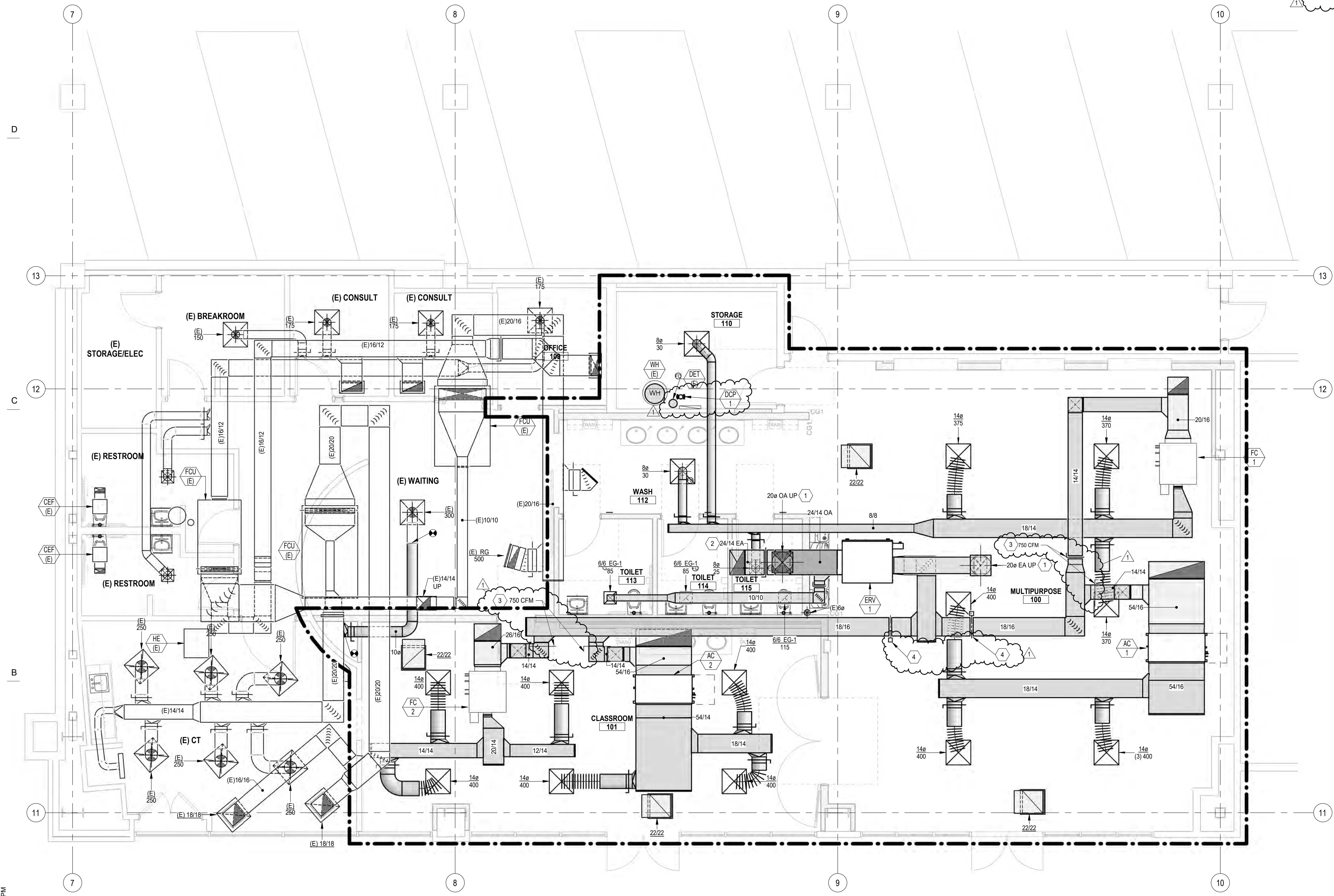
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- KEYED NOTES**
- ROUTE DUCTING UP THRU ROOF, PROVIDE WITH ROUND-TO-SQUARE TRANSITION TO CONNECT TO ROOF HOOD(S). COORDINATE WITH SITE CONDITIONS.
 - EXHAUST AIR INTAKE BOOT, TERMINATE ABOVE CEILING WITH OPENING DIRECTED AT ROOF DECK.
 - BALANCE DAMPERS TO LISTED CFM(S).
 - DAMPER TO OPEN WHEN STUDENTS ARE IN MULTIPURPOSE ROOM OR CLASS ROOM. DO NOT PROVIDE AIR TO BOTH ROOM SIMULTANEOUSLY.



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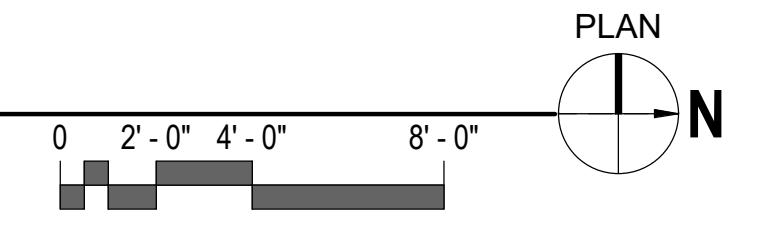
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1	10-16-23	PLAN REVIEW 01

**CONSTRUCTION DOCUMENTS
(BP-2, P.1)**

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MECHANICAL FLOOR PLAN

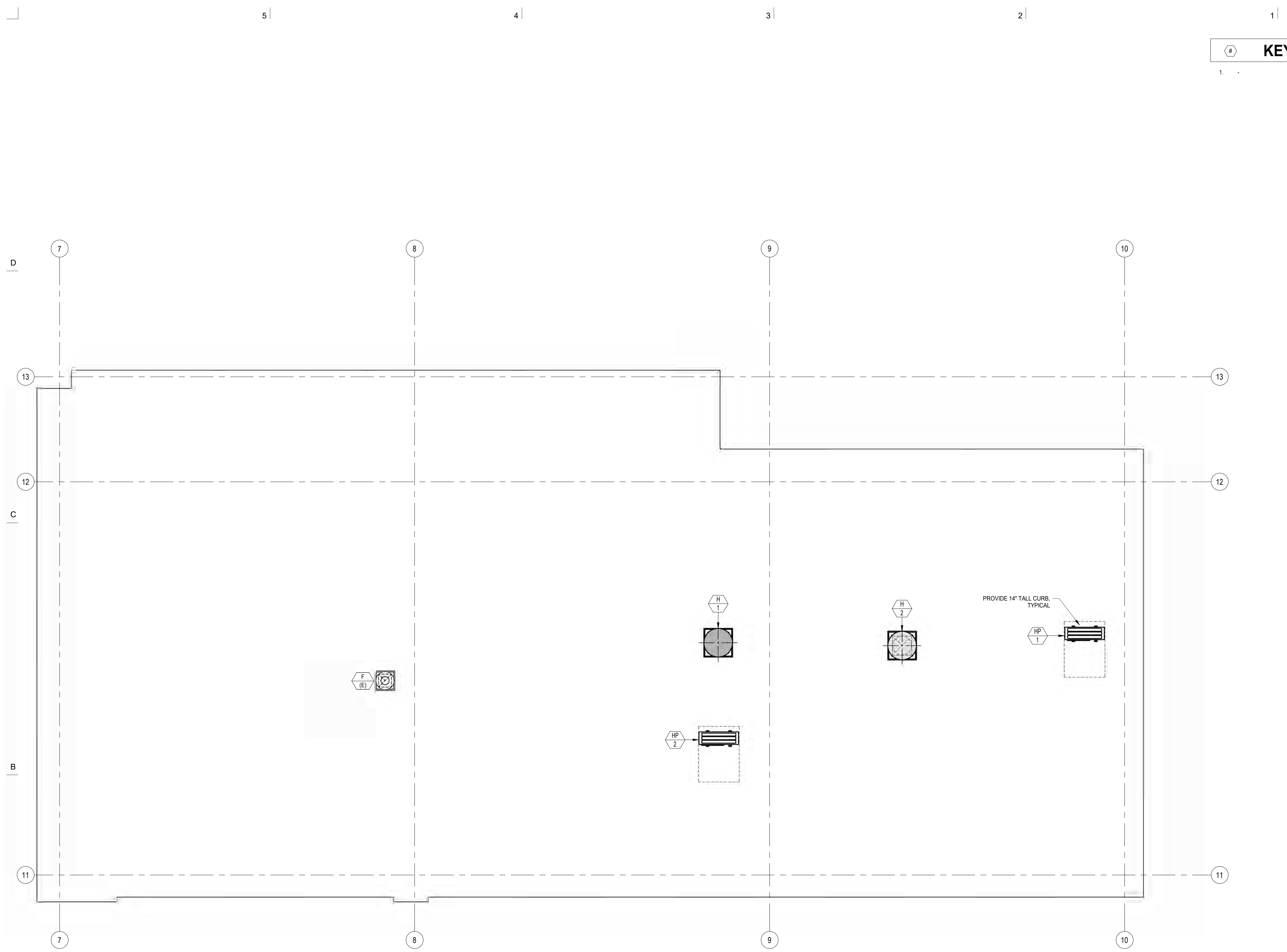
1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



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M101

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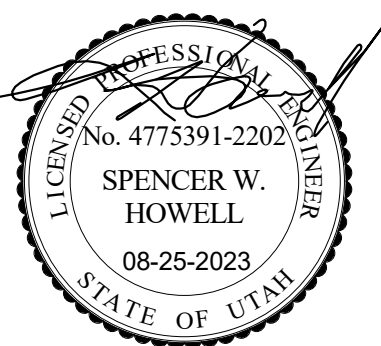
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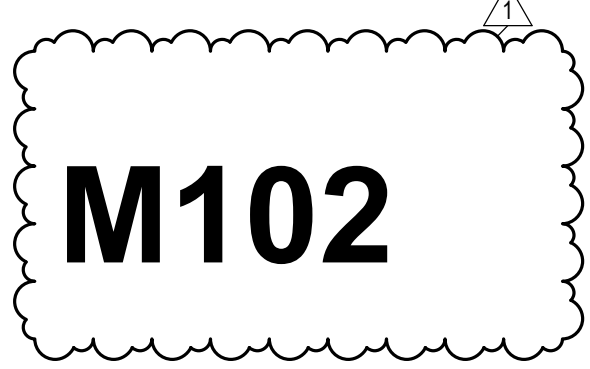
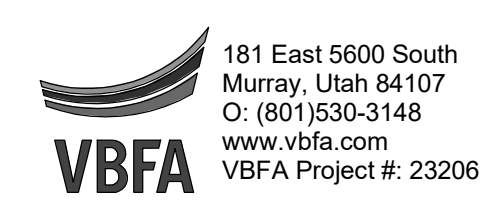
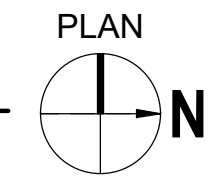
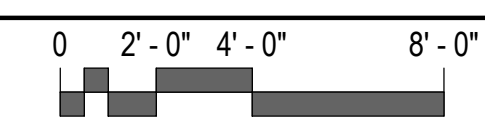
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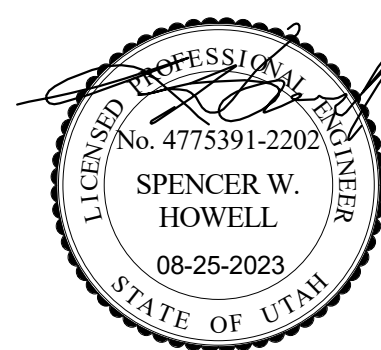
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MECHANICAL ROOF PLAN

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1 MECHANICAL ROOF PLAN
SCALE: 1/4" = 1'-0"



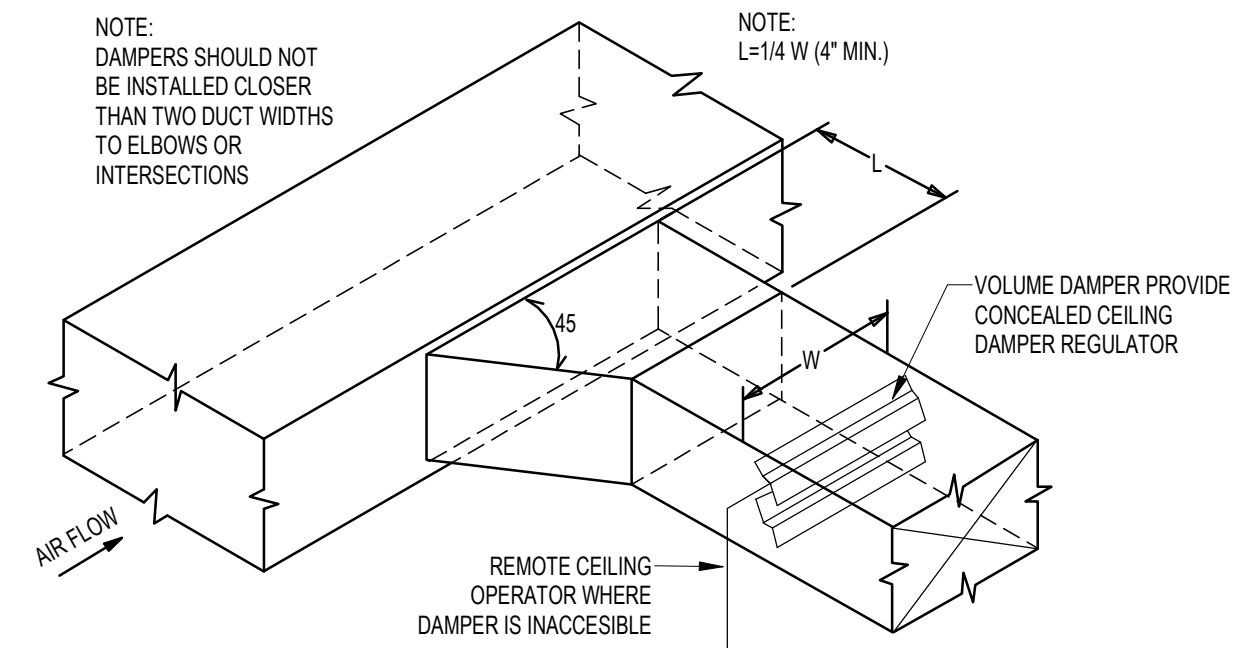


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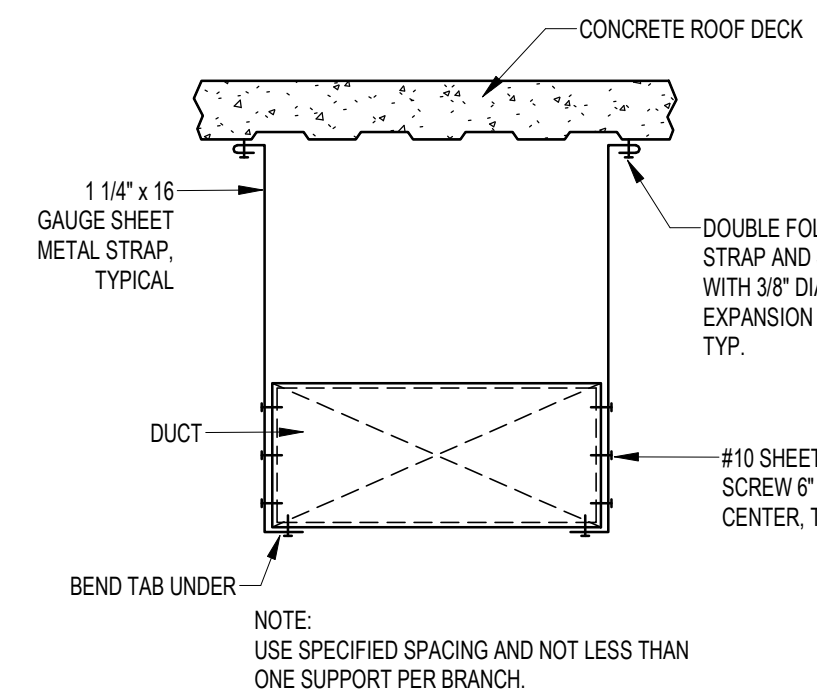
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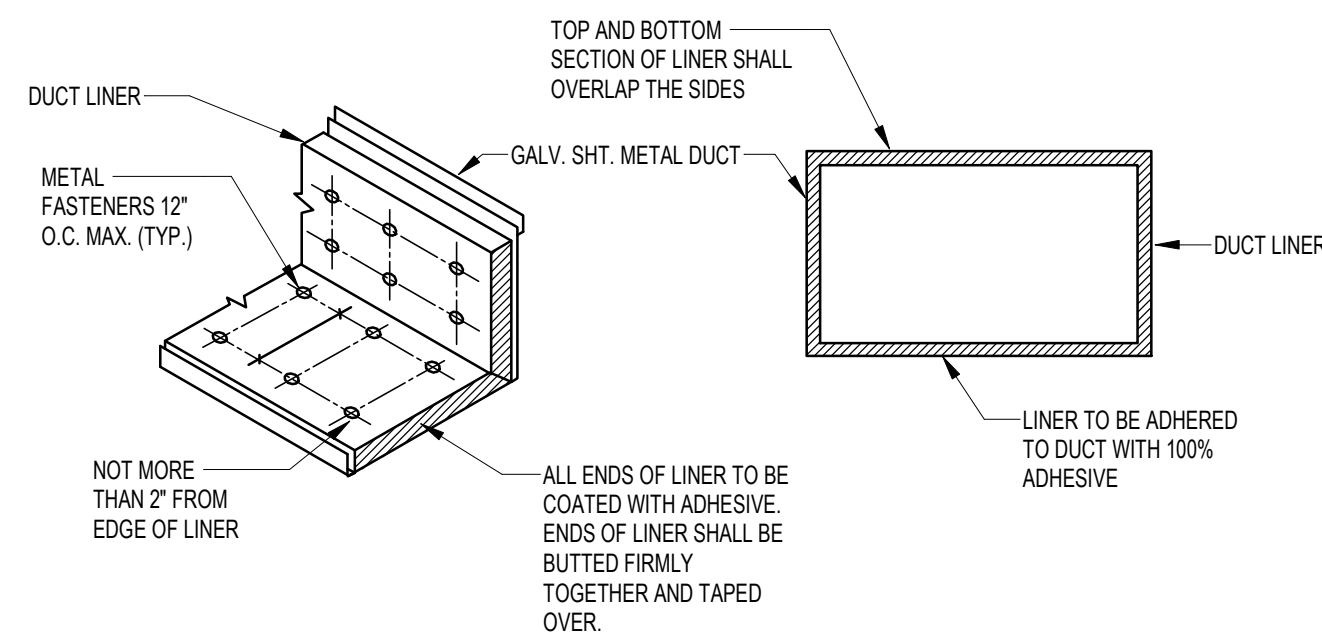
MECHANICAL DETAILS



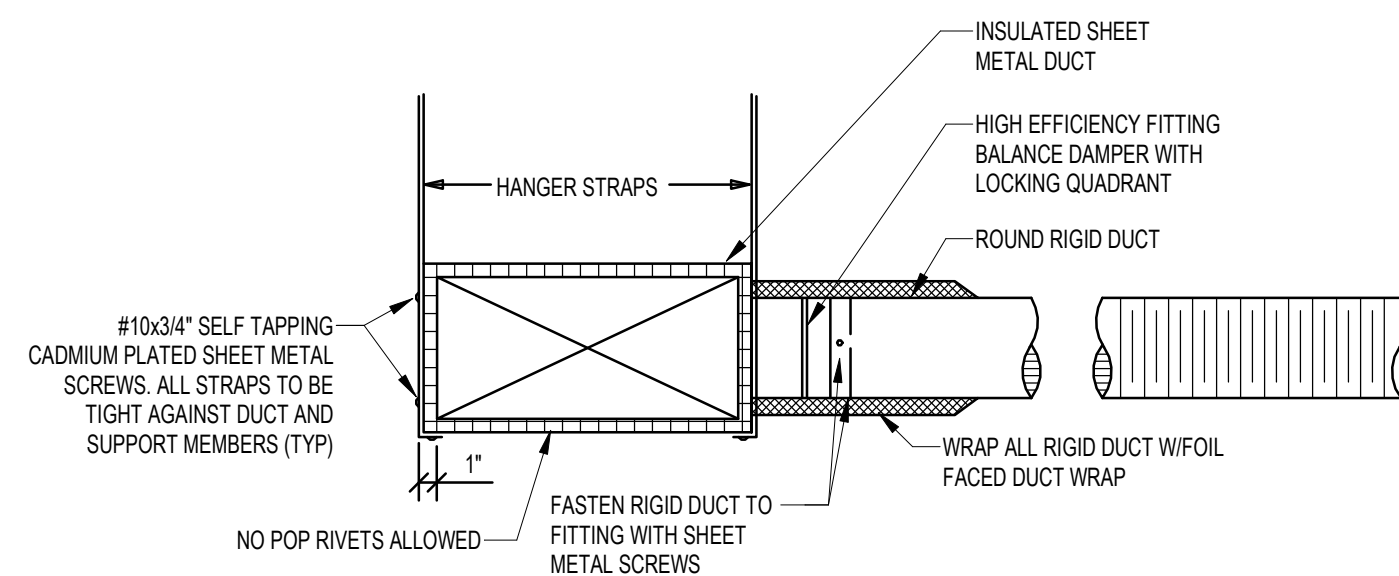
1 BRANCH DUCT TAKE-OFF WITH DAMPER DETAIL
NOT TO SCALE



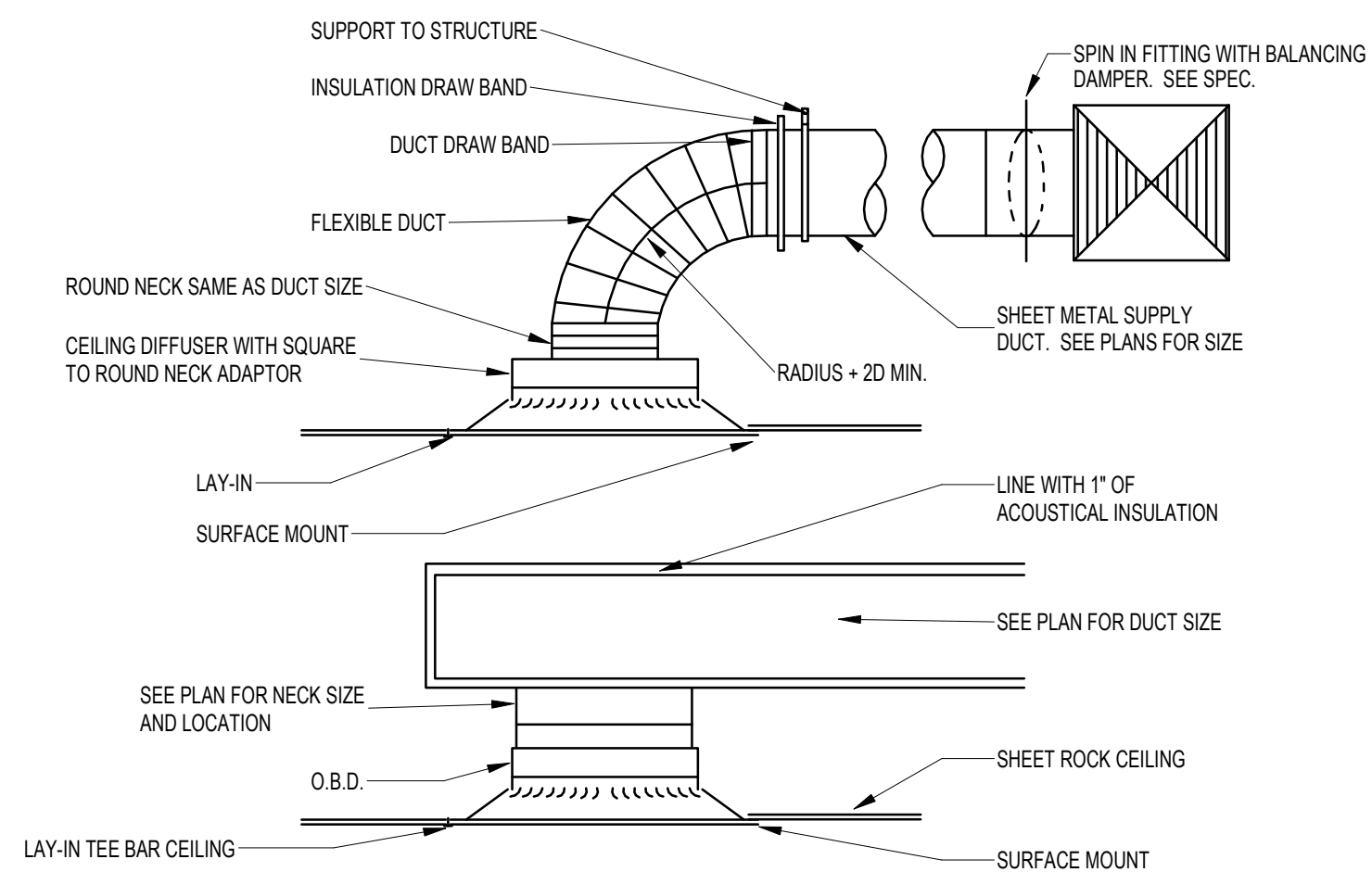
2 RECTANGULAR DUCT DETAIL
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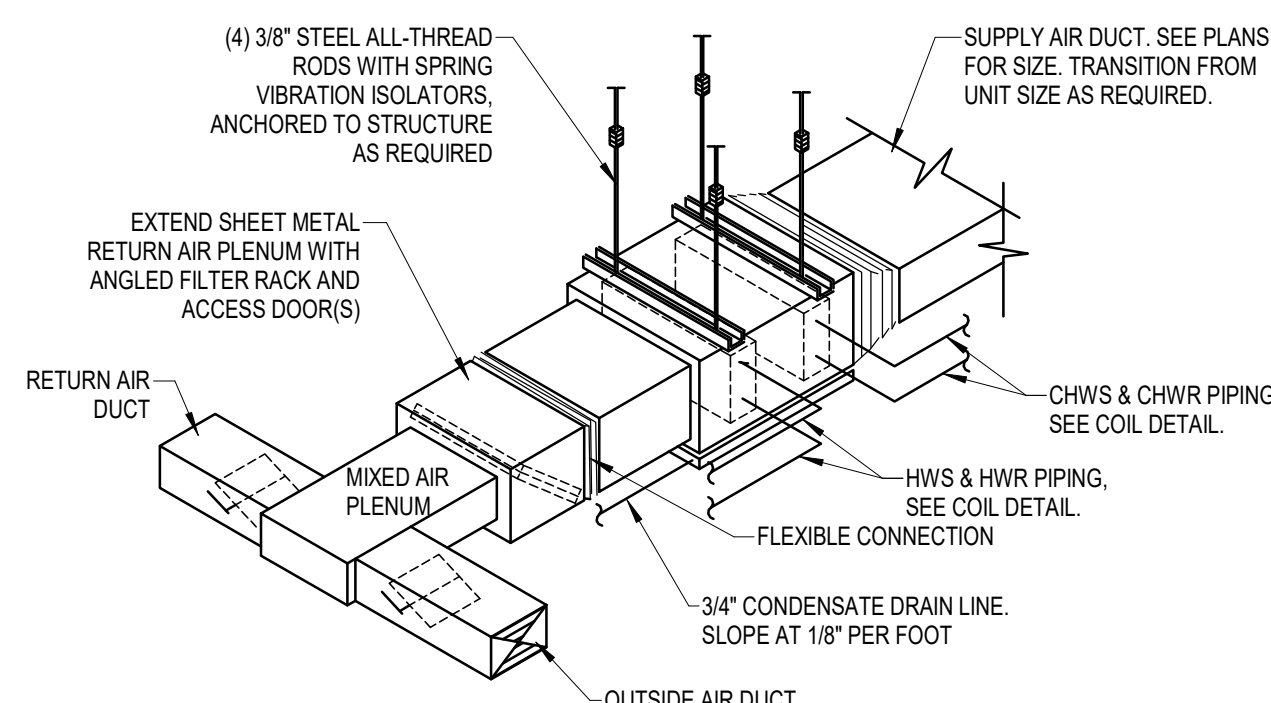
3 RECTANGULAR DUCT LINER DETAIL
NOT TO SCALE



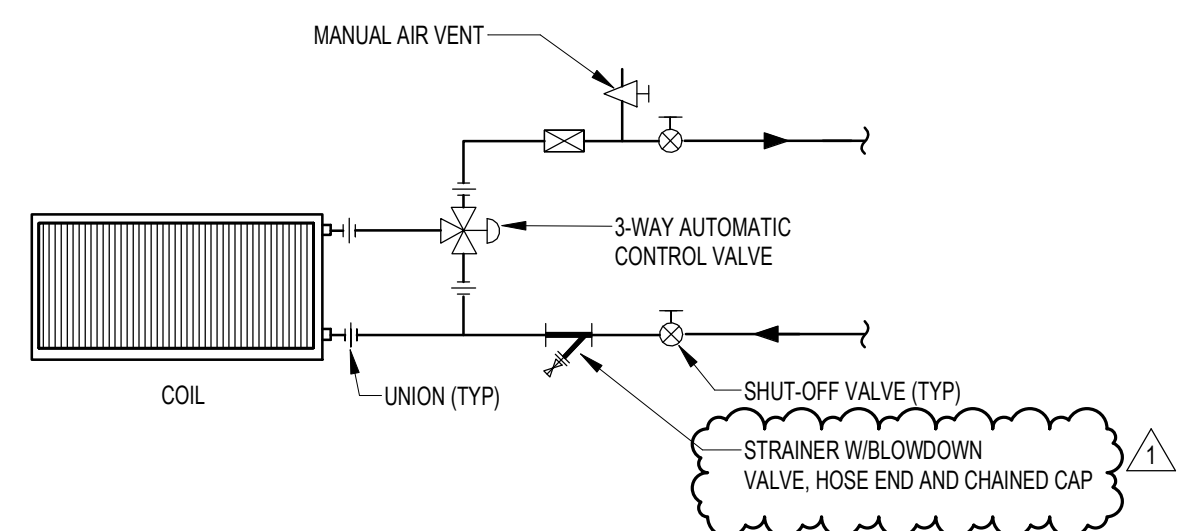
4 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
NOT TO SCALE



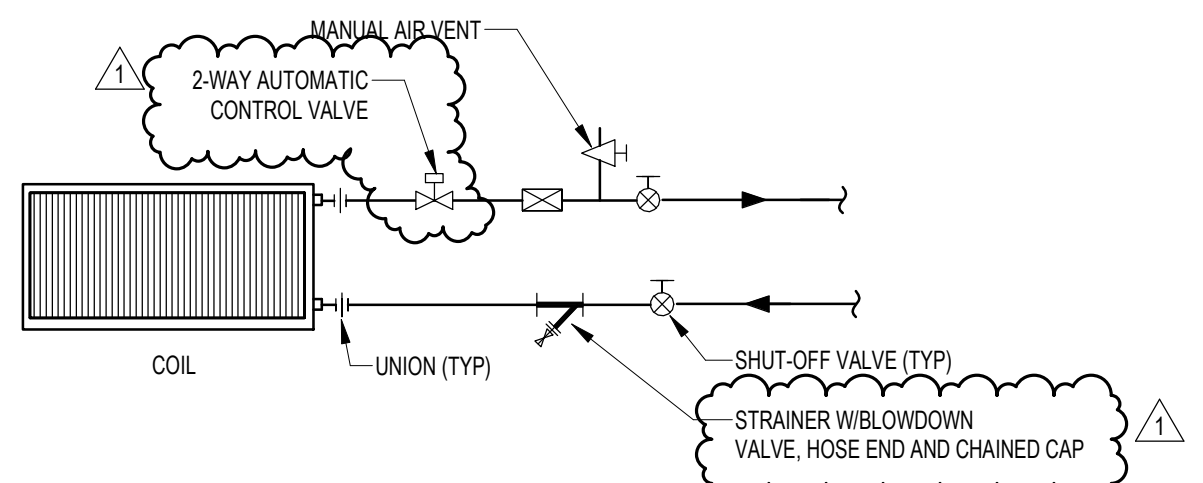
5 DIFFUSER CONNECTION DETAIL
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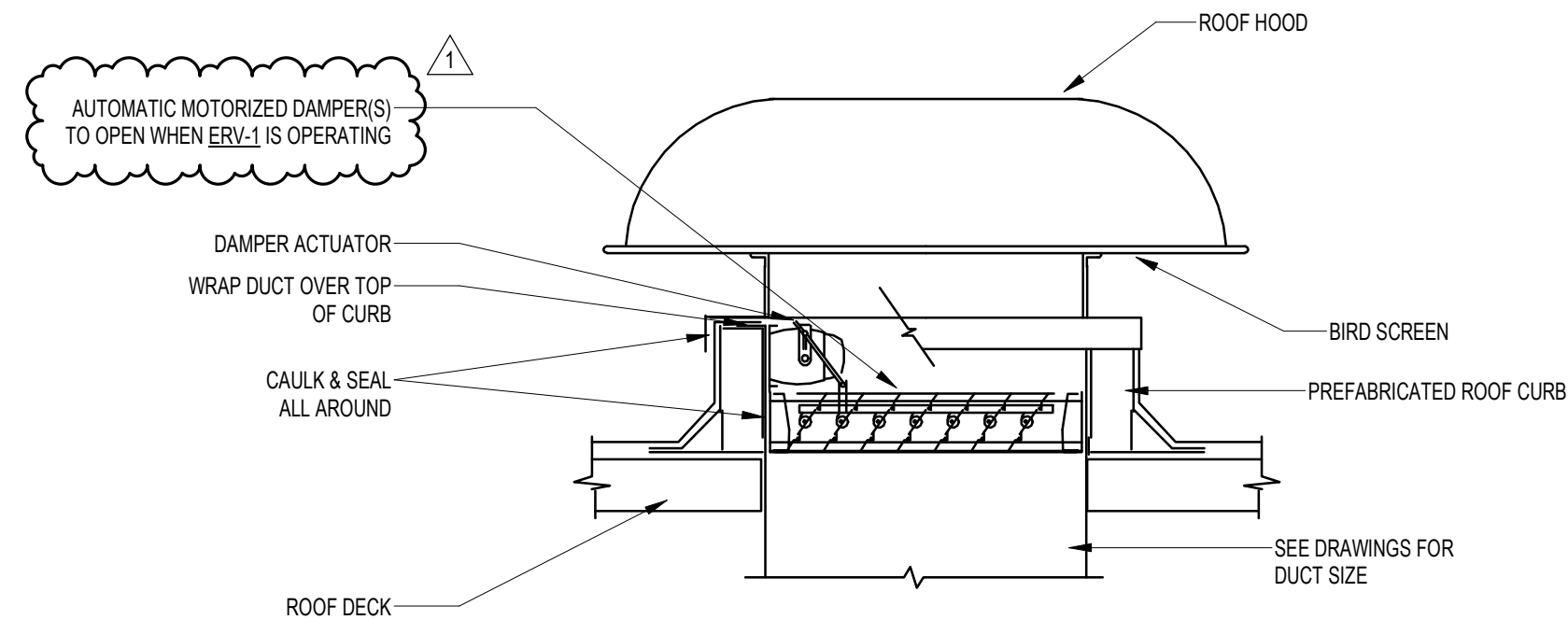
6 FAN COIL UNIT DETAIL
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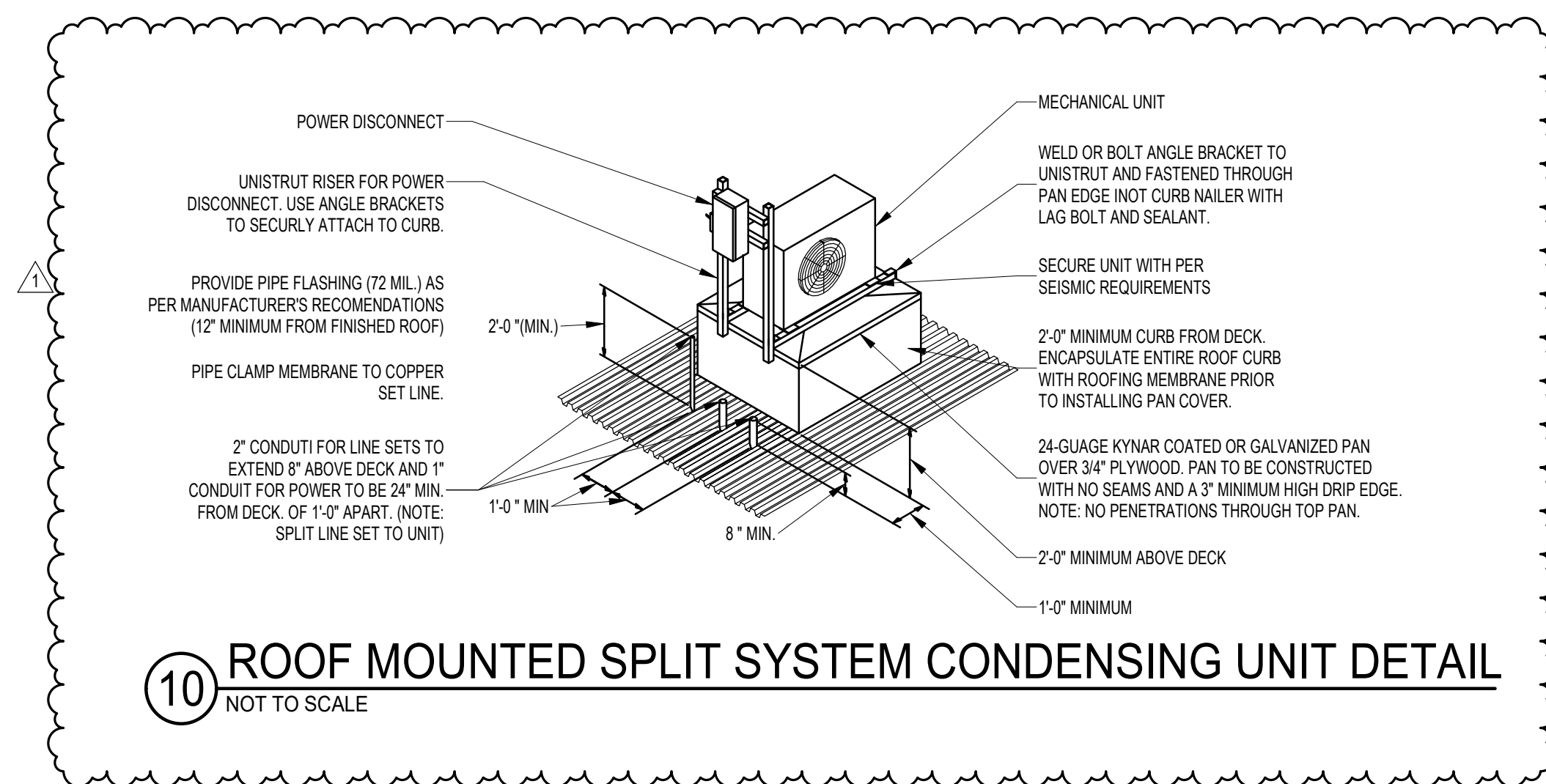
7 COIL PIPING DETAIL WITH 3-WAY VALVE
NOT TO SCALE



8 COIL PIPING DETAIL
NOT TO SCALE



9 ROOF HOOD WITH MOTORIZED DAMPER DETAIL
NOT TO SCALE



10 ROOF MOUNTED SPLIT SYSTEM CONDENSING UNIT DETAIL
NOT TO SCALE

D

C

B

A

FAN COIL SCHEDULE																														
ID	MANUFACTURER AND MODEL NUMBER	TYPE	COOLING										HEATING										ELECTRICAL							
			AIR MAXIMUM AIRFLOW RATE (CFM)	EXTERNAL STATIC PRESSURE (IN. WATER)	TOTAL LOAD (MBH)	SENSIBLE LOAD (MBH)	EAT (DBWB)	LAT (DBWB)	EWTLWT (°F)	FLOW (GPM)	FLUID P.D. (FT. WG)	PIPE SIZE (IN)	LOAD (MBH)	EAT (°F)	LAT (°F)	EWTLWT (°F)	FLOW (GPM)	P.D. (FT. WG)	PIPE SIZE (IN)	FILTER EFFICIENCY	FILTER SIZE (IN)	MOTOR SIZE (HP)	FLA	MCA	MOCP	VOLTPH/Hz	WEIGHT (LBS)	NOTES		
FC-1	ENVIRO-TEC HDD16	4 PIPE, HORIZONTAL	1200	0.5	30.5	29.6	80 / 62	53.1 / 52.4	45 / 55	6.2	0.96	1	10% PG	45.3	54	93.5	180 / 160	4.6	0.65	1	10% PG	MERV 8	(2)2	1/2	5	6.25	15	208/160	380	1.2,3
FC-2	ENVIRO-TEC HDD16	4 PIPE, HORIZONTAL	1200	0.5	30.5	29.6	80 / 62	53.1 / 52.4	45 / 55	6.2	0.96	1	10% PG	45.3	54	93.5	180 / 160	4.6	0.65	1	10% PG	MERV 8	(2)2	1/2	5	6.25	15	208/160	380	1.2,3

- PERFORMANCE LISTED AT 4200 FT ELEVATION.
- PROVIDE WITH COIL FACE INSULATION, IAQ GALVANIZED DRAIN PAN, EC MOTOR, COORDINATE LEFT OR RIGHT HAND CONNECTIONS.
- DISCONNECT PROVIDED AND INSTALL BY DIV. 26.
- PROVIDE WITH EC MOTOR, TRANSFORMERS AND RELAYS AS REQUIRED, VALVE PACKAGE, ELASTOMERIC CLOSED CELL FOAM INSULATION, GALVANIZED DRAIN PAN.

AIR-TO-AIR ENERGY RECOVERY SCHEDULE																											
ID	MANUFACTURER AND MODEL NUMBER	TYPE	USAGE	OUTSIDE/SUPPLY				RETURN/EXHAUST				EFFECTIVE				ELECTRICAL				PHYSICAL							
				TOTAL/ SENSIBLE LOAD (BTUH)	AIRFLOW RATE (CFM)	ENTERING TEMP. DBWB (°F)	LEAVING TEMP. DBWB (°F)	STATIC PRESSURE (IN. WATER)	AIRFLOW RATE (CFM)	ENTERING TEMP. DBWB (°F)	LEAVING TEMP. DBWB (°F)	STATIC PRESSURE (IN. WATER)	SENSIBLE/ LATENT (%)	EXHAUST FILTER	SUPPLY FILTER	SUPPLY MOTOR SIZE (HP)	EXHAUST MOTOR SIZE (HP)	MCA	MOCP	V/PH/Hz	LENGTH/ WIDTH/ HEIGHT (IN)	WEIGHT (LBS)	NOTES				
ERV-1	RENEWAIRE HE-2XJNH-S19U--ANT--L	PLATE	COOL	69,658 / 36,774	1,500	97.7 / 62.8	82.5 / 59.3	0.5	1,350	75 / 61.9	N/A	0.5	74.5 / N/A	2" MERV 8	2" MERV 8	2	2	18.5	25	208/160	64.25 / 35.5 / 42.875	700	1-4				
			HEAT	46,387 / 37,394	1,500	0 / 0	46.9 / 37.4	0.5	1,350	70 / 50	N/A	0.5															

- PERFORMANCE LISTED AT 4200 FEET ELEVATION.
- PROVIDE WITH MOTOR STARTERS & CONTACTORS, TRANSFORMER WITH ISOLATION RELEY.
- PROVIDE WITH PRE-WIRED FACTORY DISCONNECT.
- PROVIDE WITH SUPPLY AIRFLOW CONTROL OPTION.

SPLIT SYSTEM																											
ID	MANUFACTURER	MODEL NUMBER INDOOR UNIT	MODEL NUMBER OUTDOOR UNIT	TOTAL COOLING CAPACITY (BTUH)	SENSIBLE COOLING (BTUH)	TOTAL HEATING CAPACITY (BTUH)	HEATING CAPACITY @ 47°F (BTUH)	INDOOR UNIT CFM RANGE	DIMENSIONS W" x D" x H"	WEIGHT (LBS)	AMPS (MCA)	OUTDOOR UNIT DIMENSIONS W" x D" x H"	WEIGHT (LBS)	AMPS (MCA)	MOCP	VOLTS/PH/Hz	REFRIGERANT LINES		NOTES								
																	LIQUID	GAS									
AC-1 / HP-1	MITSUBISHI	PEAD-442AA7	PUZ-HA42NKA1	42,000	26,524	35,000	48,000	1040-1480	55-1/8 x 28-7/8 x 9-7/8	110	3.5	41-5/16 x 14-3/16 x 52-11/16	340	36	44	208-230/160	3/8	5/8	1-8								
AC-2 / HP-2	MITSUBISHI	PEAD-442AA7	PUZ-HA42NKA1	42,000	26,524	35,000	48,000	1040-1480	55-1/8 x 28-7/8 x 9-7/8	110	3.5	41-5/16 x 14-3/16 x 52-11/16	340	36	44	208-230/160	3/8	5/8	1-8								

- CAPACITIES LISTED ARE AT 4,200 FEET ELEVATION.
- CAPACITIES RATED AT THE FOLLOWING OUTDOOR CONDITIONS: COOLING - 95 DEG. F. D.B., 75 DEG. F. W.B. HEATING - 40 DEG F DB
- CAPACITIES RATED AT THE FOLLOWING INDOOR CONDITIONS: COOLING - 80 DEG. F. D.B., 67 DEG. F. W.B., HEATING - 70 DEG F DB
- PROVIDE LOW AMBIENT HEAD CONTROLLER TO ALLOW COOLING OPERATION DOWN TO 0 DEG. F. D.B.
- R410A REFRIGERANT.
- WIRELESS REMOTE CONTROLLER, PROVIDE WALL MOUNTED HOLDER.
- PROVIDE ACCESSORY BLUE DIAMOND MAXIBLUE CONDENSATE PUMP 110V/ 1PH, WITH RESERVOIR AND SENSOR FOR INDOOR UNIT.
- DISCONNECT PROVIDED AND INSTALLED BY DIV. 26.

HOOD SCHEDULE														
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR			PHYSICAL						
					MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	THROAT VELOCITY (FPM)	INLET HEIGHT ABOVE ROOF (IN)	TOTAL HEIGHT (IN)	THROAT DIA (IN)	OVERALL DIA (IN)	WEIGHT (LBS)	NOTES	
H-1	GREENHECK GRSS-20	ROOF	SPUN ALUMINUM	INTAKE	1,500	0.075	667	14	27	30	30	30	30	1.2,3
H-2	GREENHECK GRSS-20	ROOF	SPUN ALUMINUM	RELIEF	1,500	0.075	667	14	27	30	30	30	30	1.2,3

- PERFORMANCE LISTED AT 4,200 FEET ELEVATION.
- PROVIDE WITH 14" TALL ROOF CURB AND 120V MOTORIZED DAMPER. (DAMPERS TO OPEN WHEN ERV-1 IS OPERATIONAL).
- VERIFY COLOR WITH ARCHITECT.

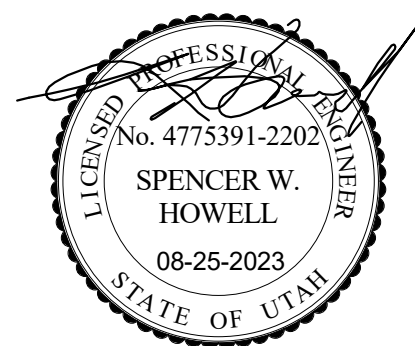
GRILLES, REGISTERS AND DIFFUSERS				
ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	PRICE	SPD		FACE STYLE: SQUARE PLAQUE DIFFUSER FACE SIZE: 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE APPLICATION: ENGINEERED VAV SYSTEMS MATERIAL: STEEL FINISH: COORDINATE COLOR WITH ARCHITECT
RG-1 / EG-1	PRICE	PDDR		FACE STYLE: PERFORATED RETURN AIR UNIT FACE SIZE: 24" x 24", 16" x 16" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. APPLICATION: AIR RETURN MATERIAL: STEEL FINISH: COORDINATE COLOR WITH ARCHITECT
SWS-1	PRICE	520S		FACE STYLE: DOUBLE DEFLECTION HIGH SIDEWALL SUPPLY REGISTER APPLICATION: CONSTANT VOLUME BLADE ORIENTATION: VERTICAL FRONT WITH REAR HORIZONTAL ADJUSTABLE VANES. FRONT BLADES PARALLEL TO SHORT DIMENSION. MATERIAL: STEEL
SWR-1	OMITTED			

- ALL SUPPLY GRILLES ARE TO BE CD-1, ALL RETURN GRILLES ARE TO BE RG-1, ALL EXHAUST GRILLES ARE TO BE EG-1, UNLESS OTHERWISE NOTED.
- ALL DUCT RUNOUT TO DIFFUSERS, GRILLES, REGISTERS ARE TO BE NECK SIZE, UNLESS OTHERWISE NOTED.



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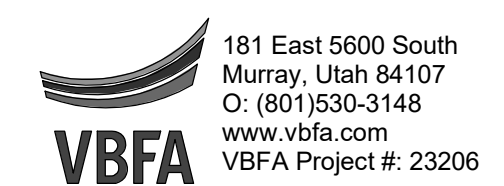
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1 10-16-23 PLAN REVIEW 01

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MECHANICAL SCHEDULES



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M601

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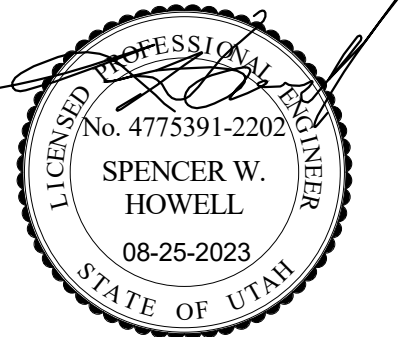
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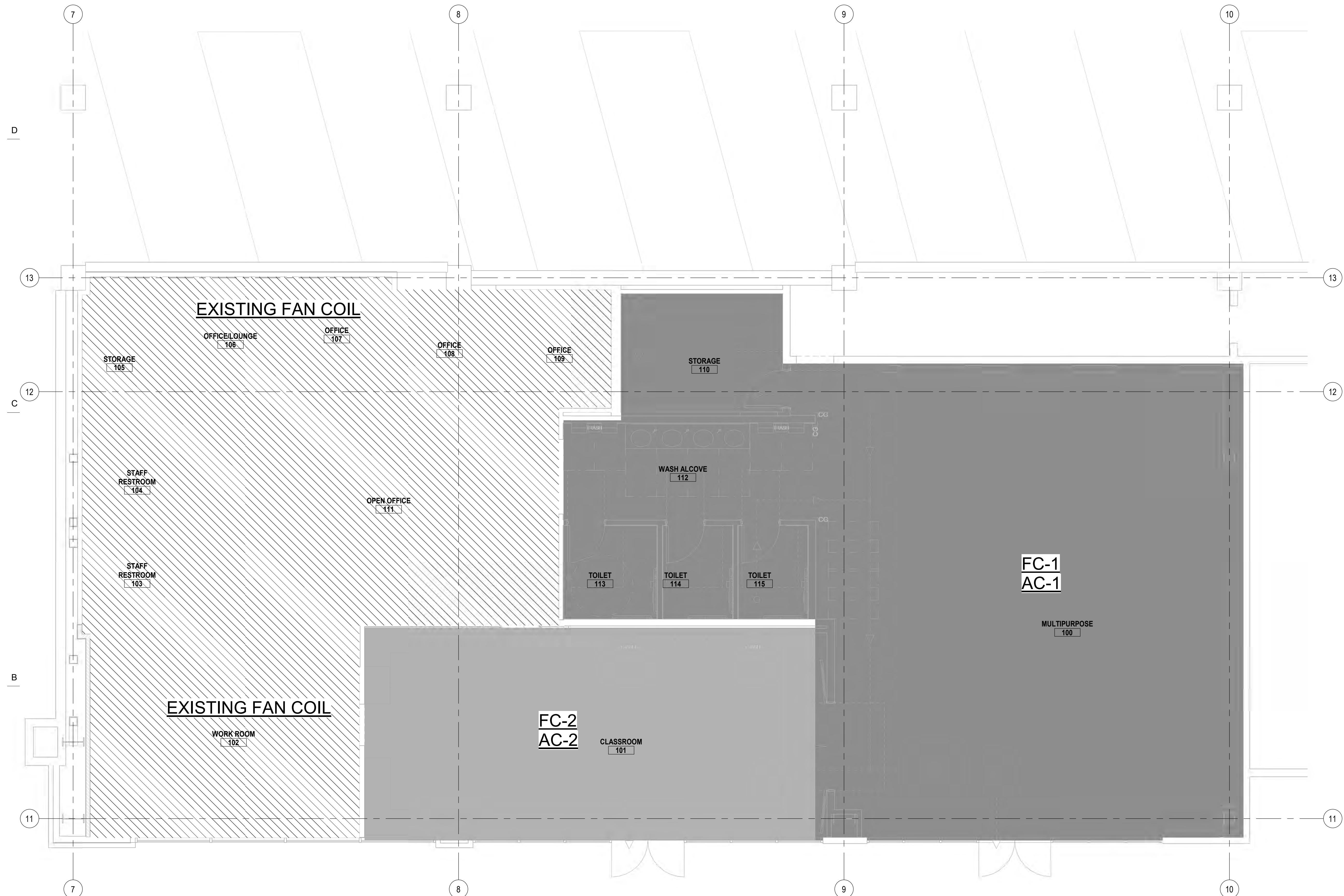
**CONSTRUCTION
DOCUMENTS
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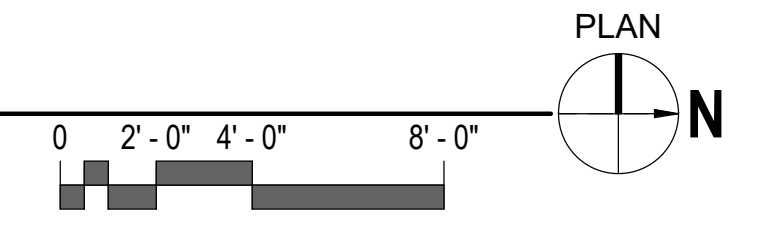
**MECHANICAL
ZONE PLAN**



M801



1 MECHANICAL ZONE FLOOR PLAN (FUTURE PHASE)
SCALE: 1/4" = 1'-0"



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KEYED NOTES

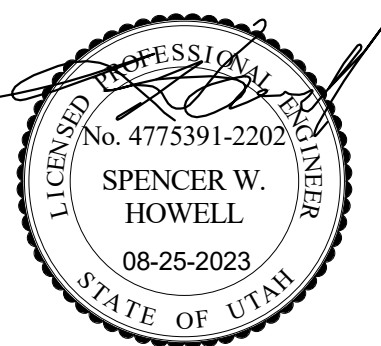
- 1. DEMOLISH EXISTING PIPING BACK TO POINT INDICATED. REFER TO MECHANICAL PIPING PLANS FOR NEW WORK.



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Salt Lake County
CLARK PLANETARIUM NEW SPACE TENANT IMPROVEMENT
 110 S 400 W, Salt Lake City, UT 84101

Date Revision

CONSTRUCTION DOCUMENTS (BP-2, P.1)

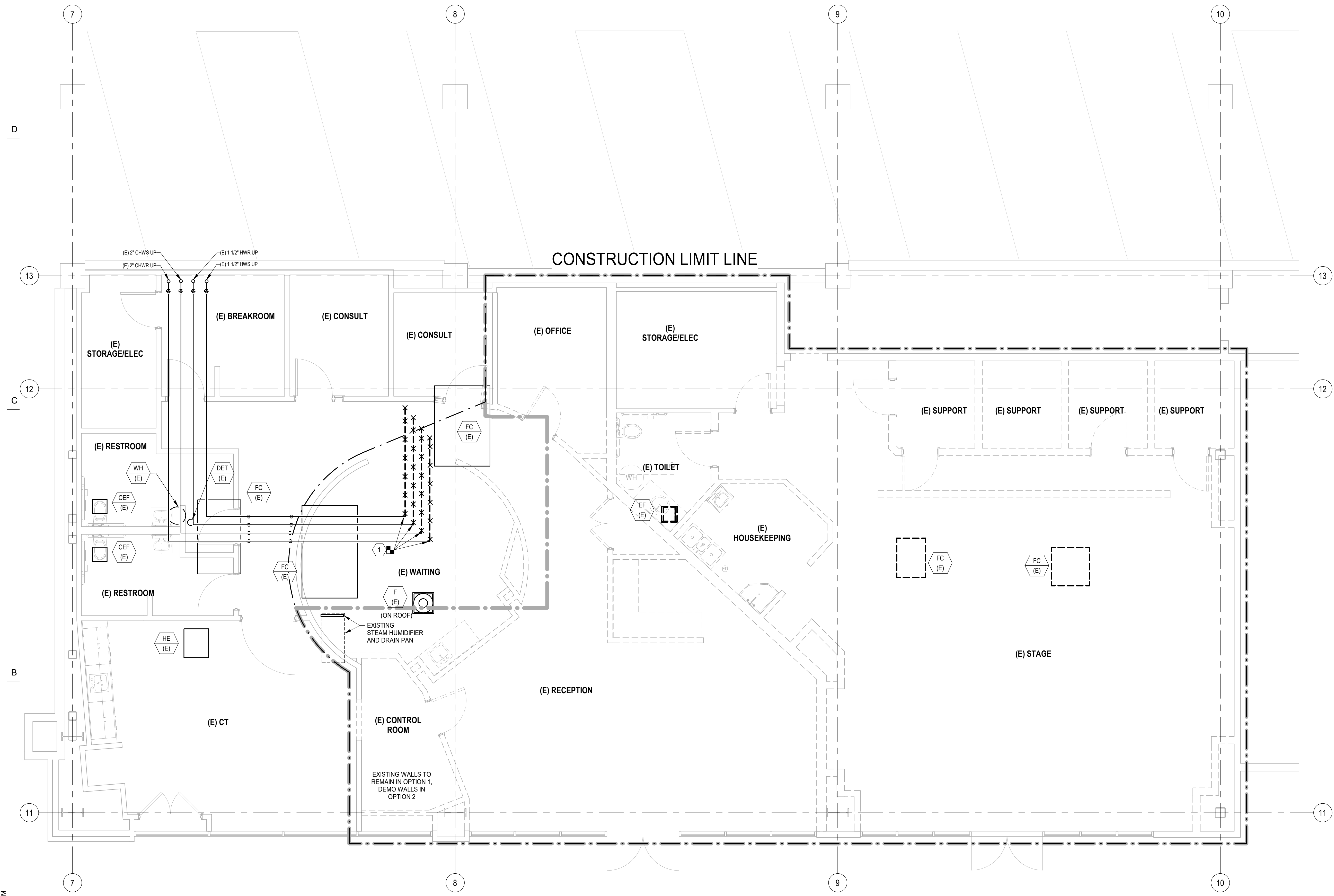
NEXUS PROJECT #: 22070
 CHECKED BY: GR
 DRAWN BY: JN
 DATE: 25 AUGUST 2023

MECH. PIPING DEMOLITION FLOOR PLAN



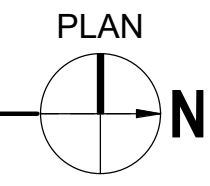
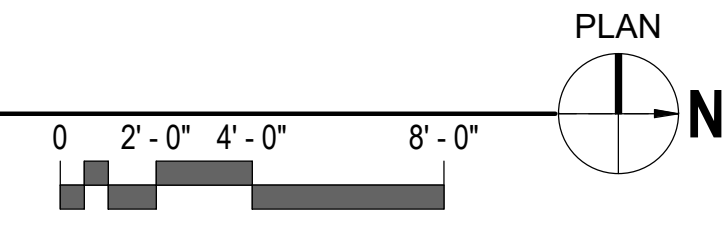
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MPD100



8/24/2023 4:24:50 PM

1 MECH PIPING DEMOLITION FLOOR PLAN SCALE: 1/4" = 1'-0"



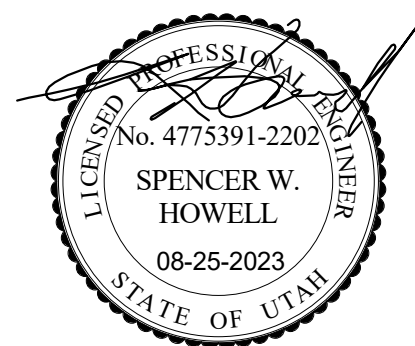
KEYED NOTES

1. PROVIDE A 3-WAY VALVE IN HEATING WATER SUPPLY AND RETURN PIPING SERVING FAN COIL UNIT.
2. SINGLE LINE SHOWN FOR CLARITY. PROVIDE RS/RL PIPING AS REQUIRED. SIZE REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS.
3. ROUTE REFRIGERANT PIPING UP TO OUTDOOR UNIT AT THIS LOCATION.



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1	10-16-23	PLAN REVIEW 01

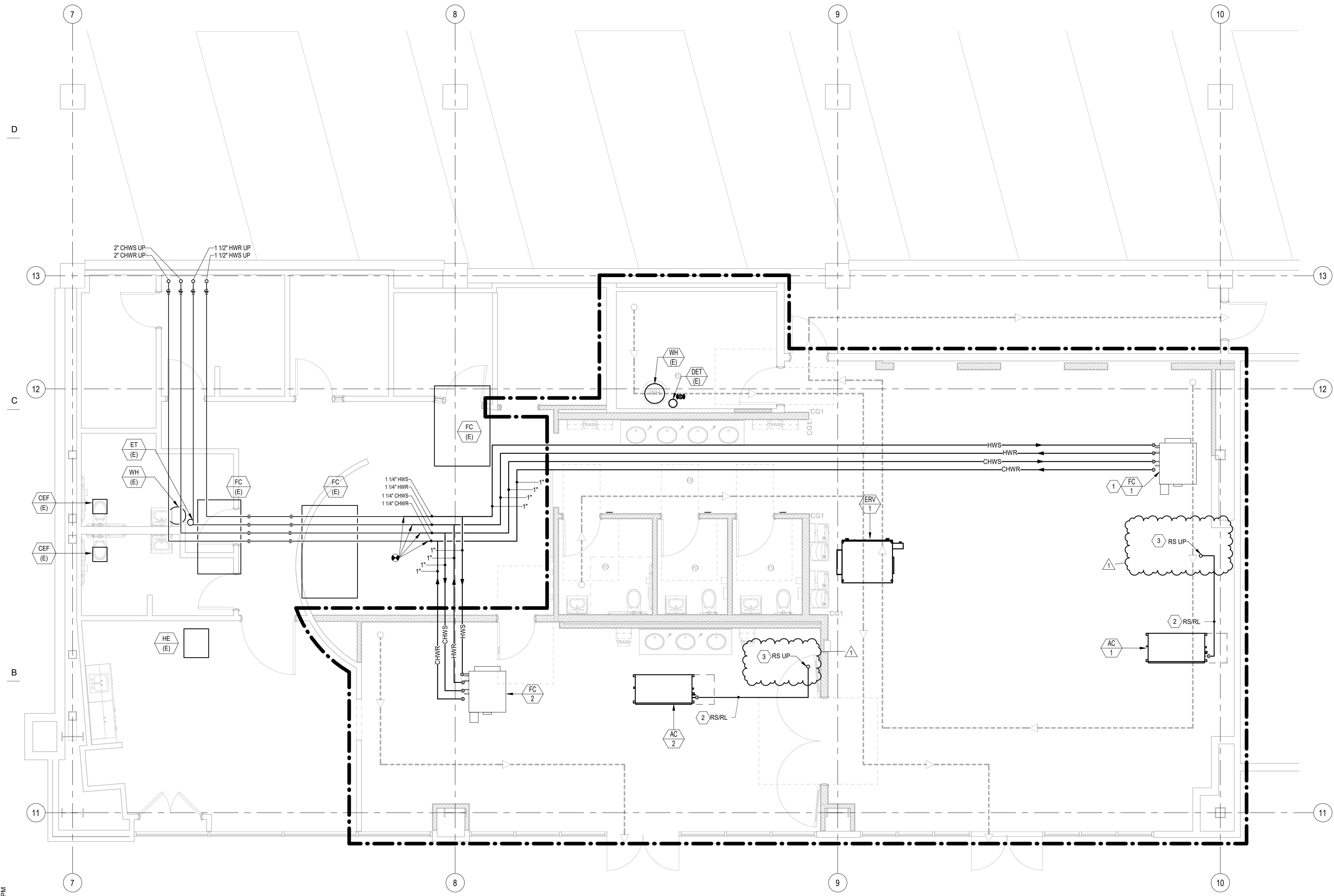
CONSTRUCTION DOCUMENTS (BP-2, P.1)

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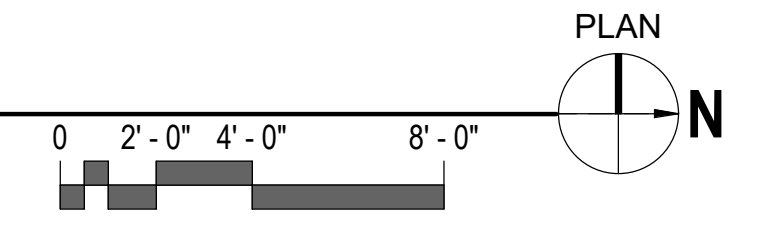
MECH. PIPING FLOOR PLAN



MP101



1 MECH PIPING FLOOR PLAN
SCALE: 1/4" = 1'-0"



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5 | 4 | 3 | 2 | 1

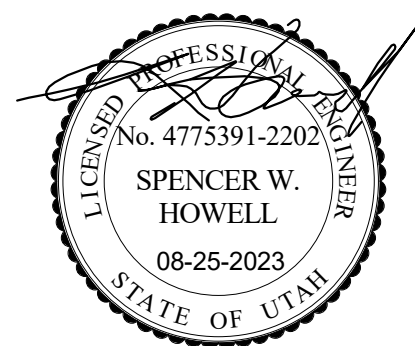
- KEYED NOTES**
- REMOVE PLUMBING FIXTURE AND ASSOCIATED PIPING BACK TO MAINS AND CAP. PATCH FLOOR TO MATCH EXISTING.
 - DEMOLISH DOMESTIC COLD WATER BACK TO VALVE.
 - DEMOLISH EXISTING FLOOR DRAIN AND PIPING BACK TO MAIN AND CAP. PATCH FLOOR TO MATCH EXISTING FLOOR.
 - REMOVE AND SALVAGE EXISTING WATER HEATER FOR REUSE.
 - REMOVE AND SALVAGE EXISTING DOMESTIC EXPANSION TANK FOR REUSE.
 - DEMOLISH ALL ASSOCIATED CONDENSATE DRAIN PIPING.



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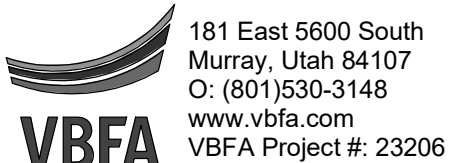
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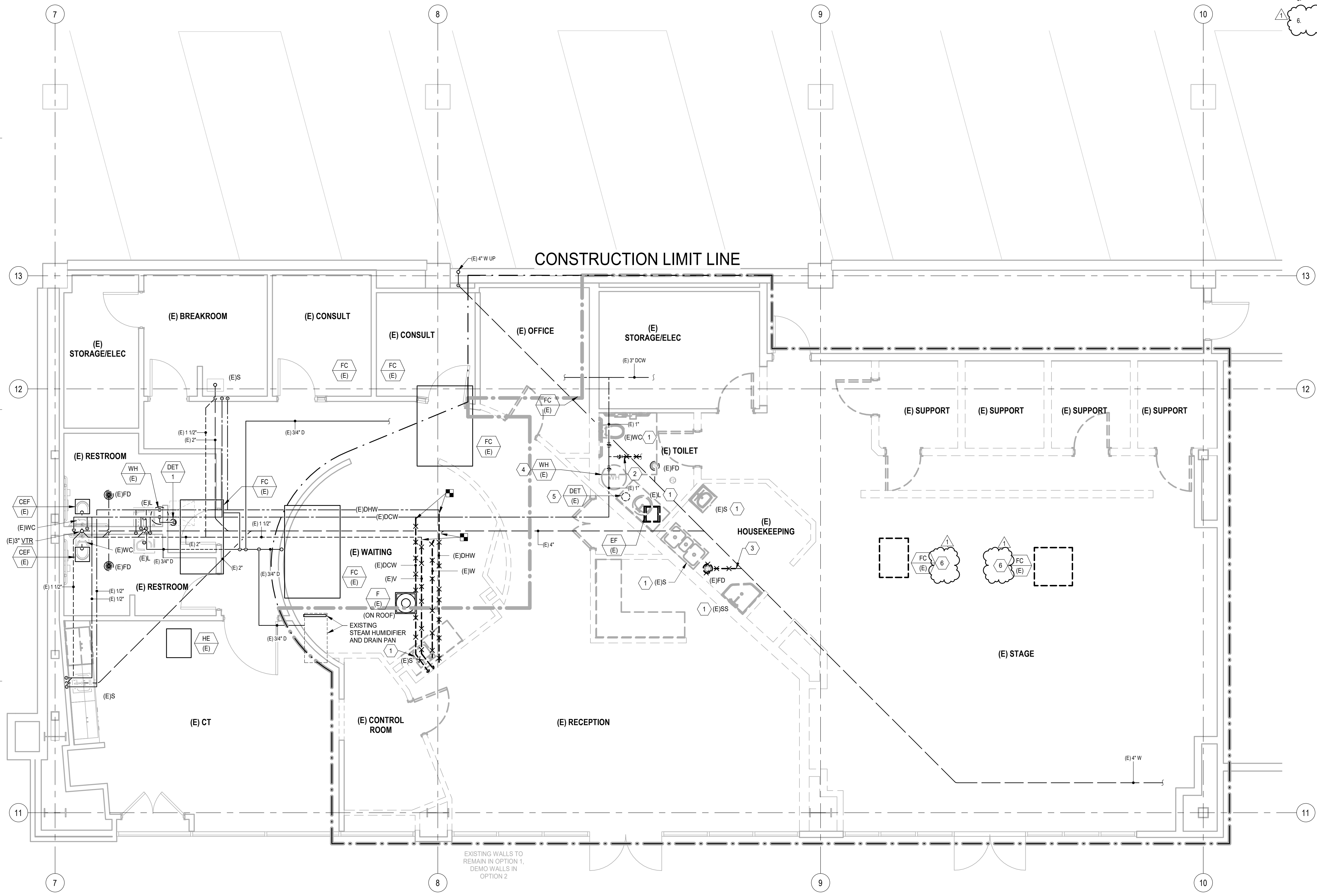
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PLUMBING DEMOLITION FLOOR PLAN



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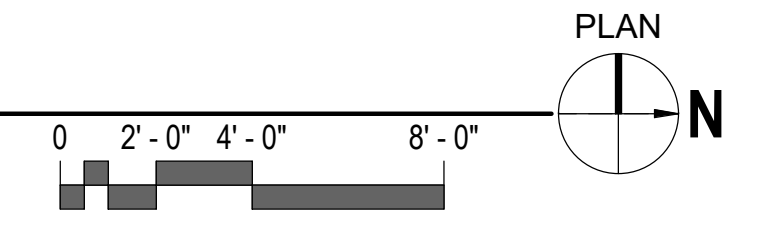
PD100



EXISTING WALLS TO REMAIN IN OPTION 1, DEMO WALLS IN OPTION 2

1 PLUMBING DEMOLITION FLOOR PLAN

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



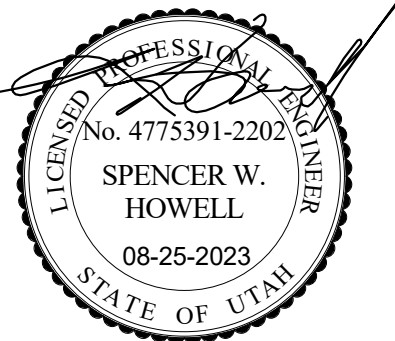
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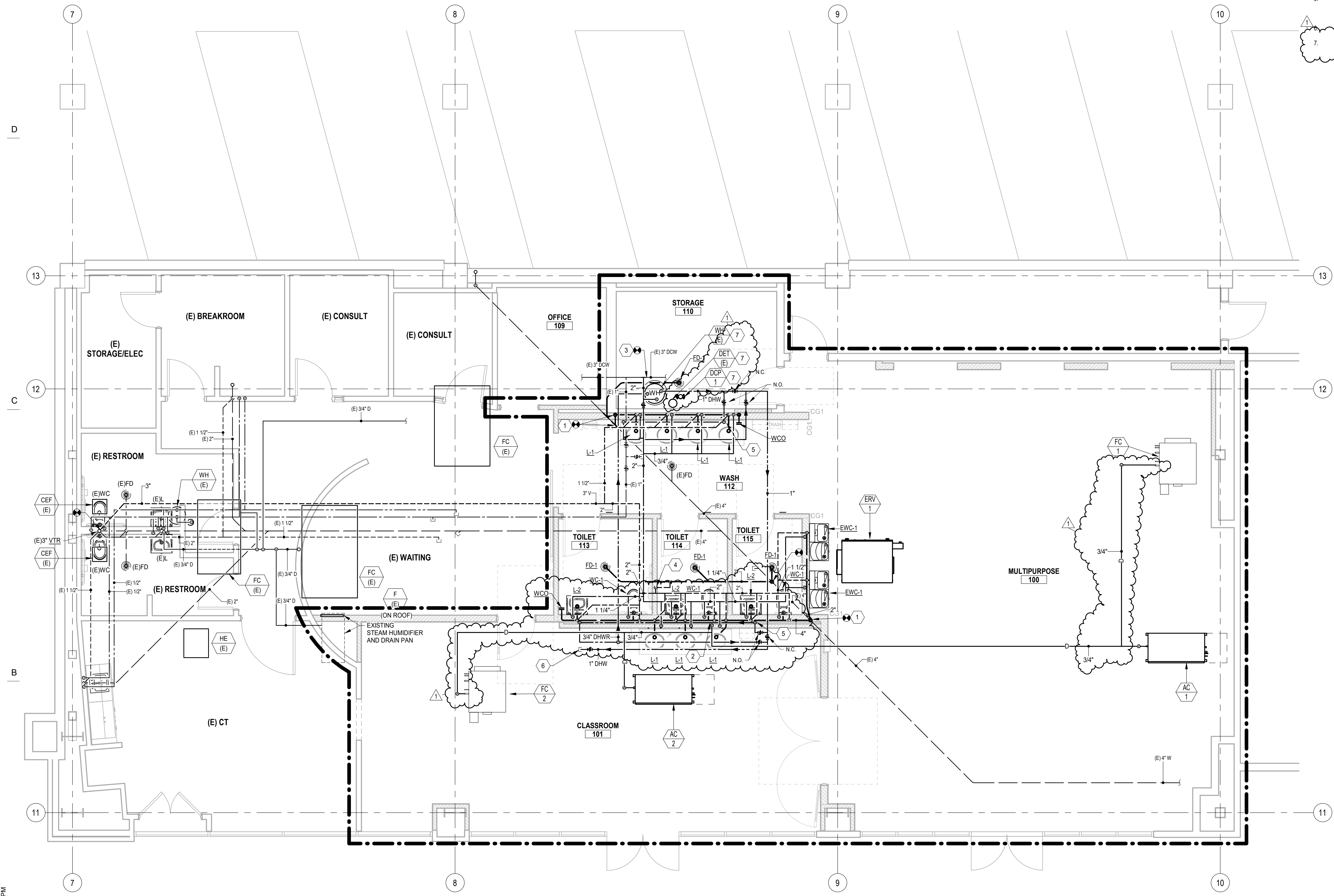
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- KEYED NOTES**
1. DROP WASTE TO CONNECT TO EXISTING WASTE AT THIS LOCATION.
 2. ROUTE CONDENSATE DRAIN TO TAILPIPE OF LAV/SINK. REFERENCE PLUMBING DETAILS.
 3. CONNECT NEW 2" DOMESTIC COLD WATER TO EXISTING 3" MAIN.
 4. ROUTE VENT FROM CONNECTION IN PARKING GARAGE UP IN WALL CAVITY TO ABOVE CEILING.
 5. ROUTE DOMESTIC HOT WATER DOWN IN WALL FOR SERVICE TO PUBLIC LAVATORY(IES). AFTER LAST FIXTURE RETURN PIPING BACK TO SET HEIGHT AND CONTINUE LOOP.
 6. BRONZE VALVE AND CAP FOR FUTURE ADDITION.
 7. REFERENCE PLUMBING DETAILS. TYPICAL.



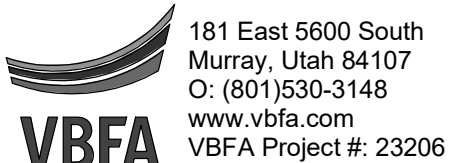
Salt Lake County
**CLARK PLANETARIUM NEW
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110 S 400 W, Salt Lake City, UT 84101

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1	10-16-23	PLAN REVIEW 01

**CONSTRUCTION DOCUMENTS
(BP-2, P.1)**

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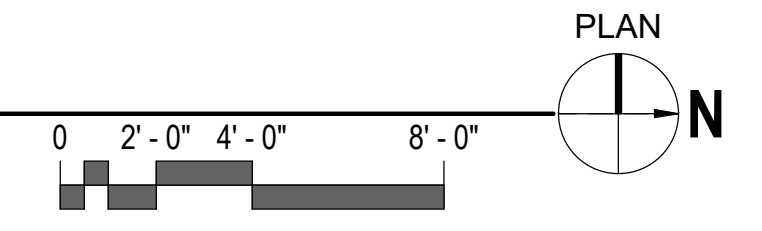
PLUMBING FLOOR PLAN



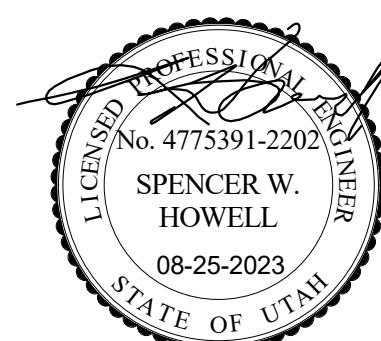
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P101

1 PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"



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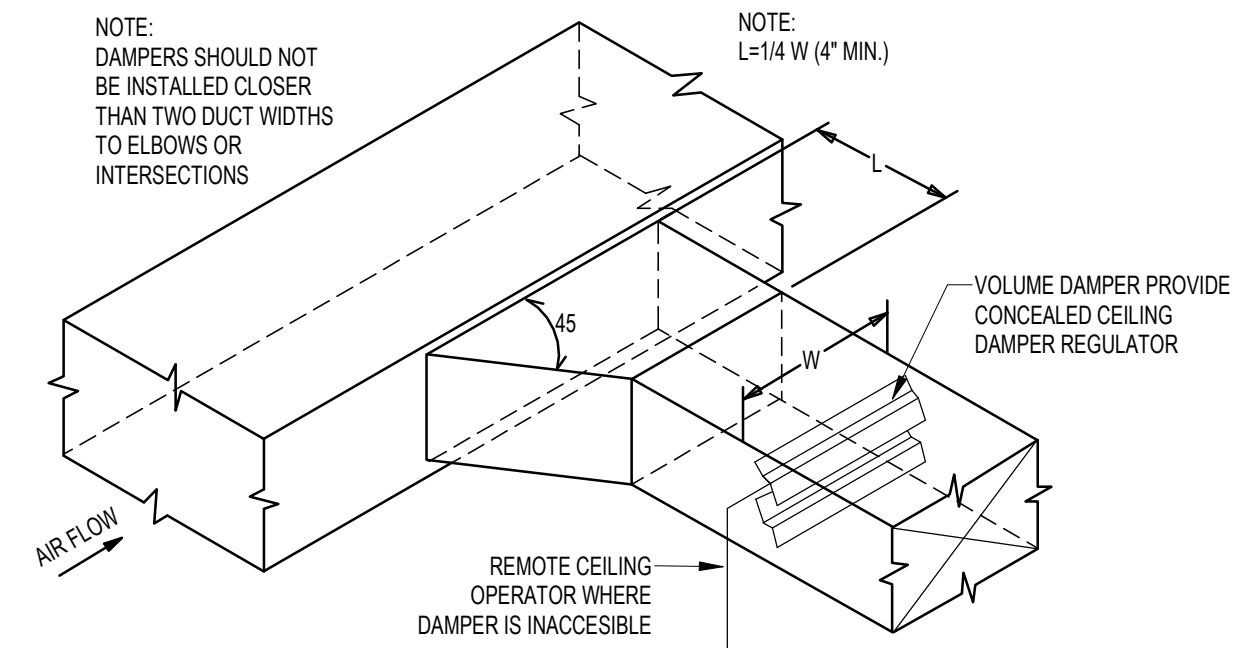


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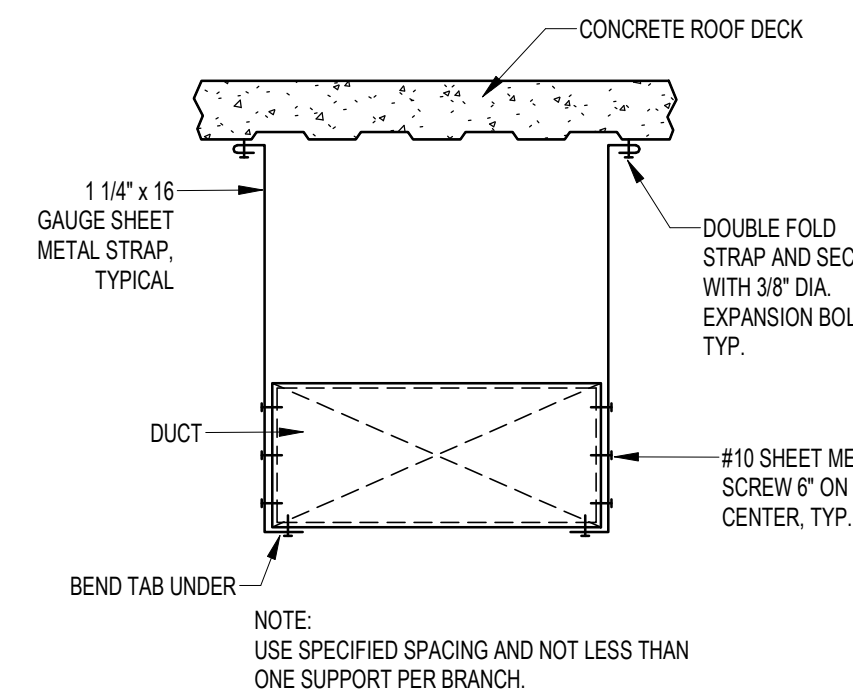
CONSTRUCTION DOCUMENTS (BP-2, P.1)

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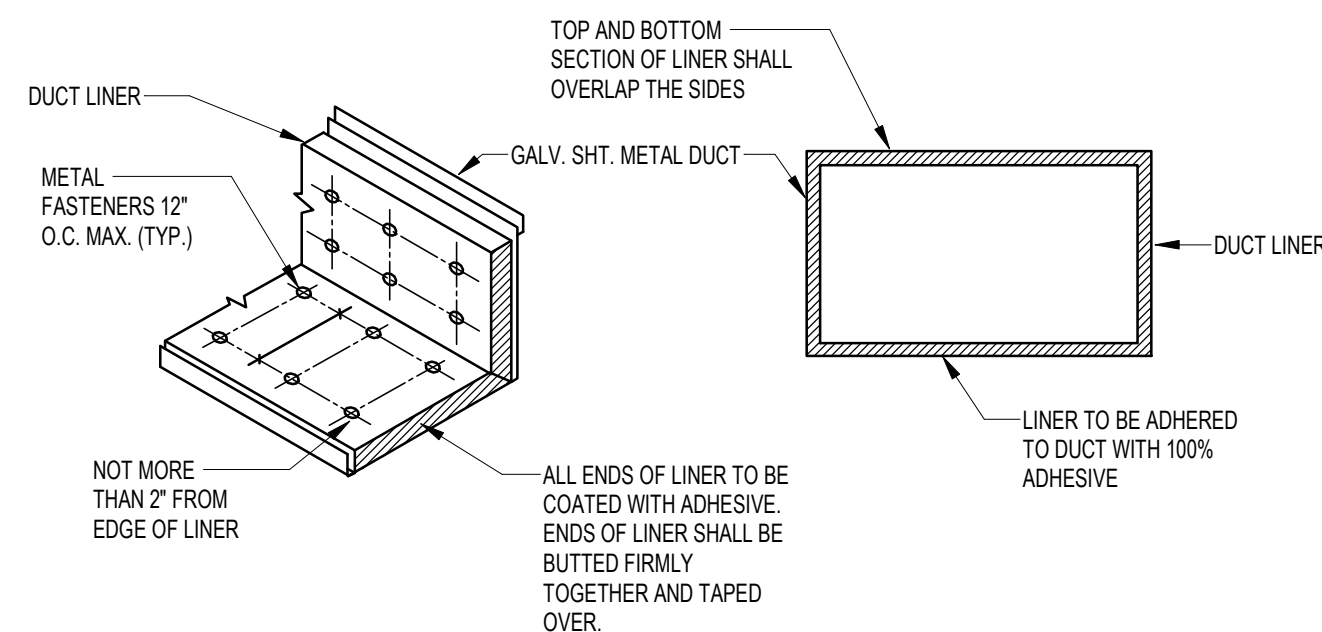
MECHANICAL DETAILS



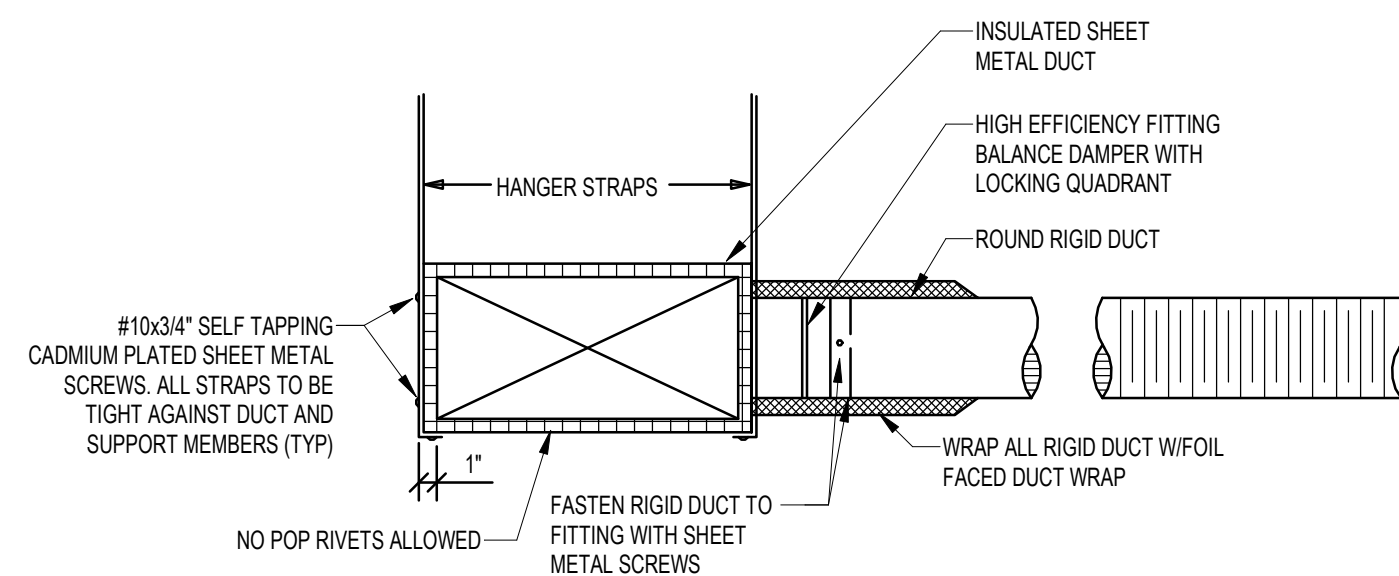
1 BRANCH DUCT TAKE-OFF WITH DAMPER DETAIL
NOT TO SCALE



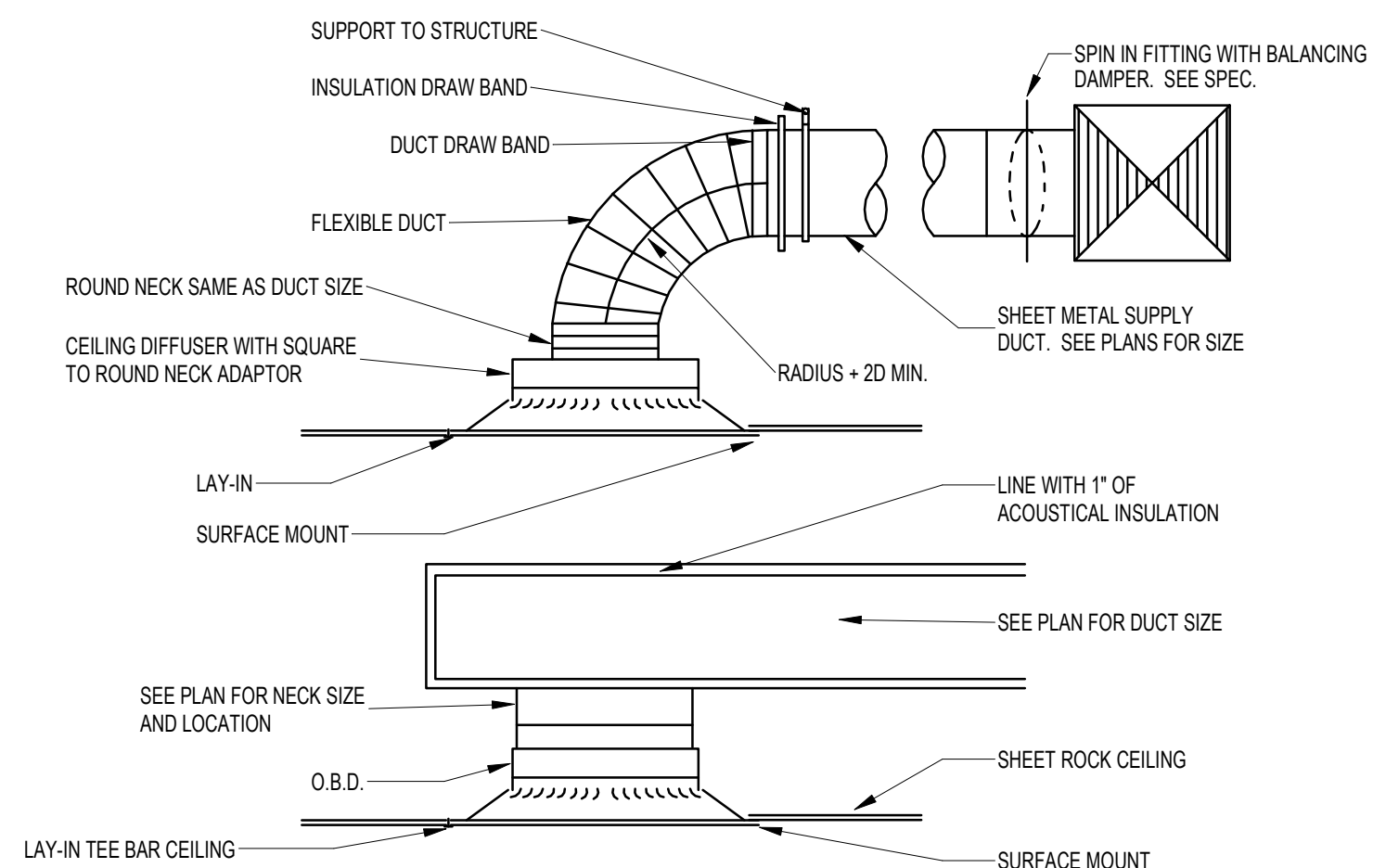
2 RECTANGULAR DUCT DETAIL
NOT TO SCALE



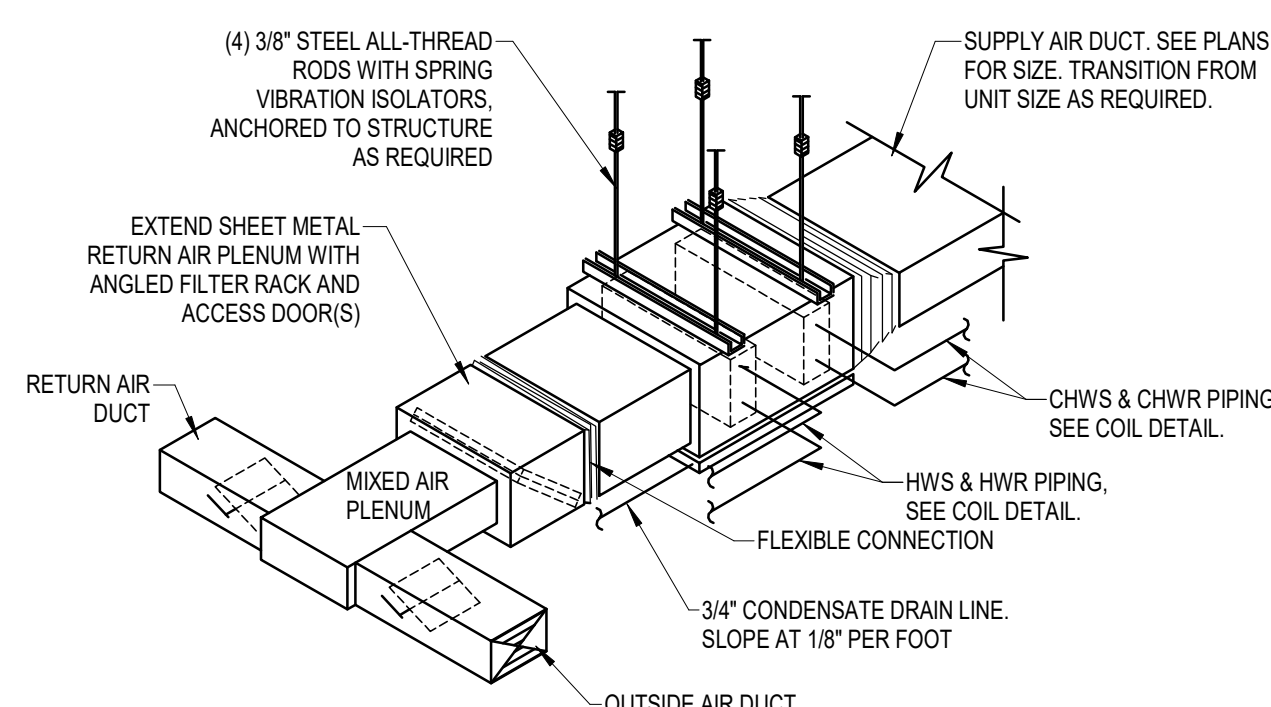
3 RECTANGULAR DUCT LINER DETAIL
NOT TO SCALE



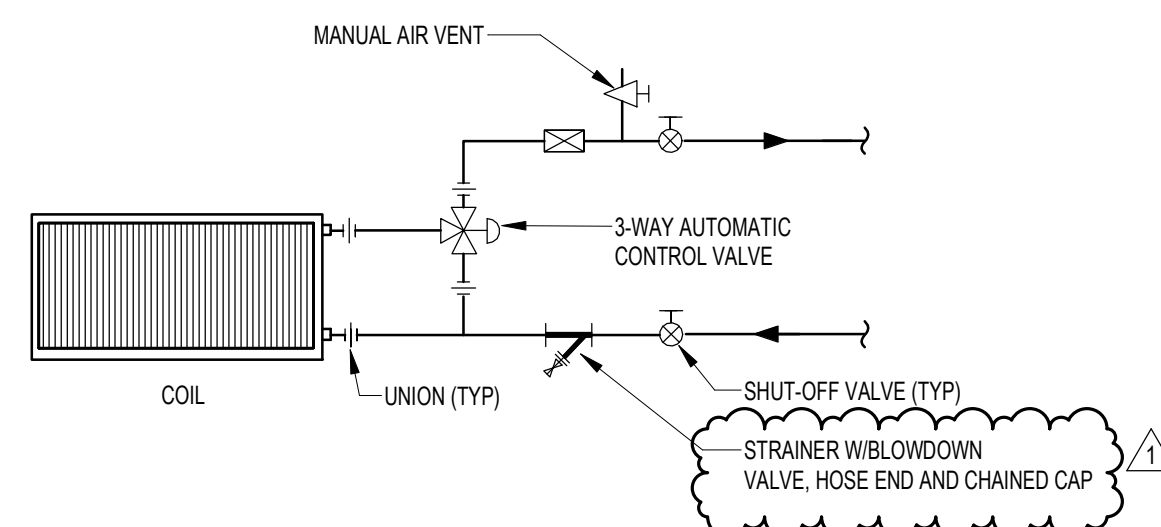
4 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
NOT TO SCALE



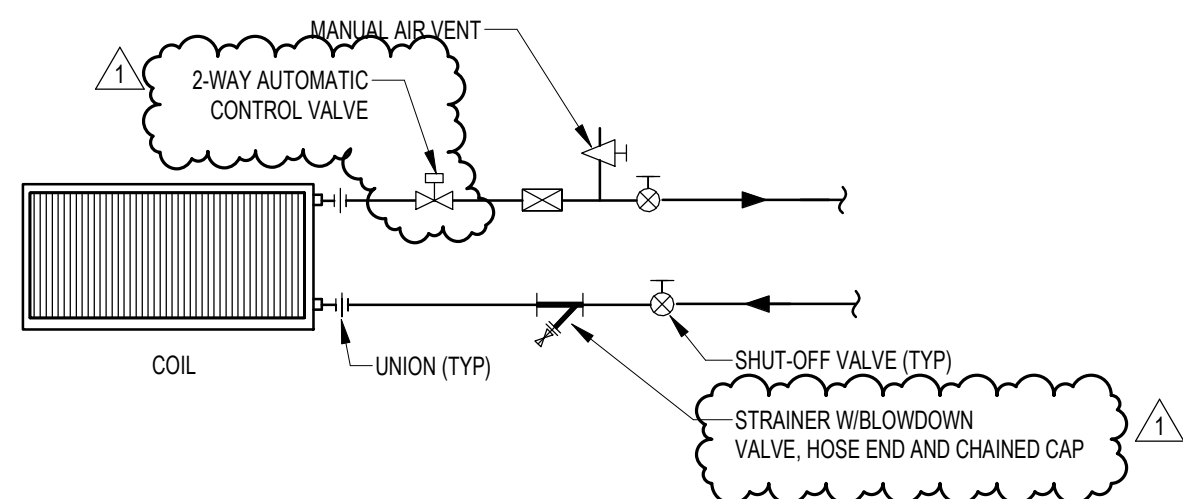
5 DIFFUSER CONNECTION DETAIL
NOT TO SCALE



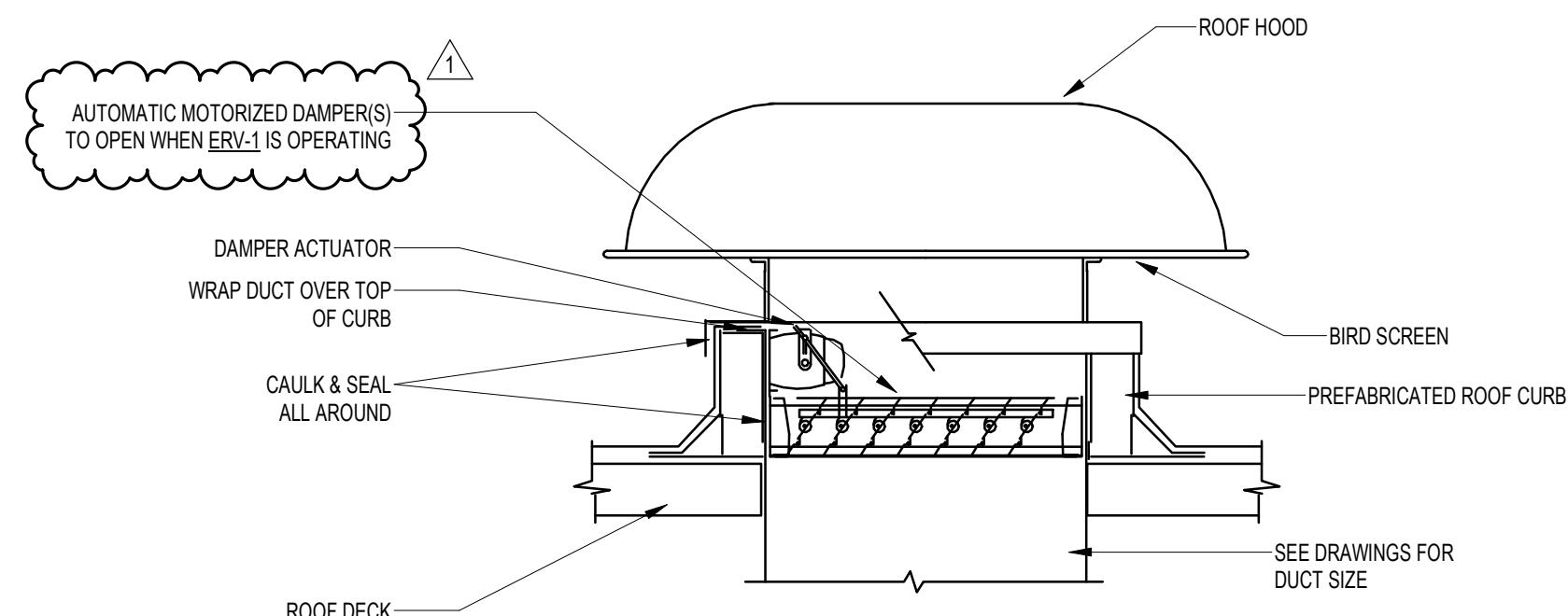
6 FAN COIL UNIT DETAIL
NOT TO SCALE



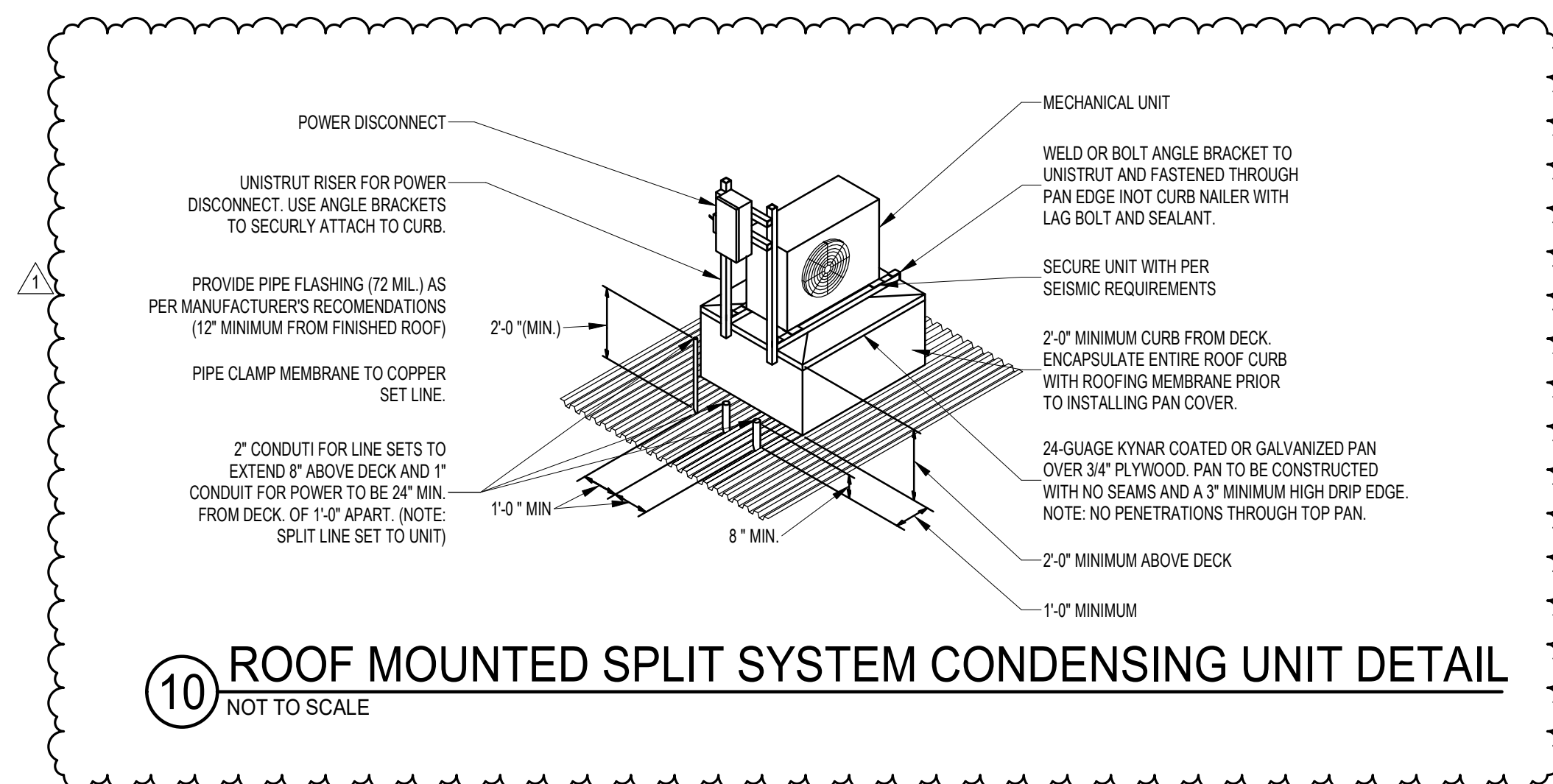
7 COIL PIPING DETAIL WITH 3-WAY VALVE
NOT TO SCALE



8 COIL PIPING DETAIL
NOT TO SCALE



9 ROOF HOOD WITH MOTORIZED DAMPER DETAIL
NOT TO SCALE



10 ROOF MOUNTED SPLIT SYSTEM CONDENSING UNIT DETAIL
NOT TO SCALE

D

C

B

A

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PLUMBING FIXTURE SCHEDULE									
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	SPECIFICATION			
WC-1	WATER CLOSET, WALL MOUNT FLUSH VALVE	1	--	4	2	FIXTURE: AMERICAN STANDARD AFWALL 2257-101, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 1.6GPF. VALVE: SLOAN REGAL OPTIMA SMMODEL 111-SMO LOW CONSUMPTION EXPOSED, BATTERY POWERED, SIDE MOUNT SENSOR OPERATED, 1.6 GPF FLUSH VALVE SEAT: AMERICAN STANDARD 5901.100 ELONGATED BOWL, OPEN FRONT SEAT LESS COVER, ANTIMICROBIAL SEAT. ACCESSORIES: SMITH 0210 HORIZONTAL (LEFT OR RIGHT HAND AS REQUIRED) OR SMITH 0230 VERTICAL ADJUSTABLE CARRIER WITH FOOT SUPPORT; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE; SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.			
L-1	LAVATORY, COUNTER MOUNT, MANUAL FAUCET	1/2	1/2	1 1/2	1 1/2	FIXTURE: ZURN Z5110 20" X 17" COUNTERTOP LAVATORY, VITREOUS CHINA, 4" CENTER, FRONT OVERFLOW FAUCET: CHICAGO 802-VE2805-317ABCP DECK-MOUNTED MANUAL FAUCET WITH 4" CENTERS, VANDAL PROOF WRISTBLADE HANDLE, LAMINAR SPRAY 0.5 GPM ACCESSORIES: PROVIDE WATTS NO. 7C DUAL CHECKS IN HOT AND COLD SUPPLIES. PROVIDE 0.5 GPM VANDAL RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 1/2" GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HAND-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS.			
L-2	LAVATORY, WALL HUNG, MANUAL FAUCET	1/2	1/2	1 1/2	1 1/2	FIXTURE: AMERICAN STANDARD 2845-240 16" WALL HUNG LAVATORY, ENAMELED CAST IRON, GLOSSY PORCELAIN FINISH, FRONT OVERFLOW. FAUCET: CHICAGO 802-VE2805-317ABCP DECK-MOUNTED MANUAL FAUCET WITH 4" CENTERS, VANDAL PROOF WRISTBLADE HANDLE, LAMINAR SPRAY 0.5 GPM ACCESSORIES: PROVIDE WATTS NO. 7C DUAL CHECKS IN HOT AND COLD SUPPLIES. PROVIDE 0.5 GPM VANDAL RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 1/2" GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HAND-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE.			
EW-1	ELECTRIC WATER COOLER, BI-LEVEL & BOTTLE FILLER	1/2	--	1 1/2	1 1/2	FIXTURE: ELKAY L2STL6WSLK, WALL MOUNTED, BARRIER FREE, ADA ELECTRIC WATER COOLER WITH FLEXIBLE BUBBLER GUARD, STAINLESS STEEL BOWLS AND CONTROL BUTTONS ON FRONT AND SIDES. COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPH OF 50°F WATER. 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS. COORDINATE THE ADA SIDE WITH THE ARCHITECT. PROVIDE THREE EXTRA FILTERS.			
FD-1	FLOOR DRAIN	--	--	2	2	FIXTURE: SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE AND TRAP GUARD.			

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

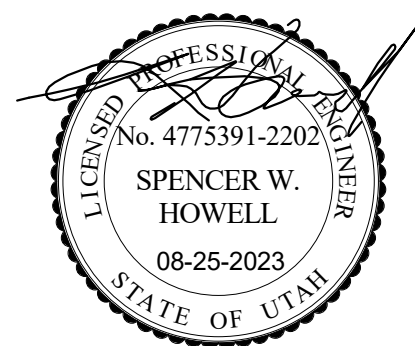
DOMESTIC RECIRC PUMP SCHEDULE												
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID			ELECTRICAL					NOTES
				RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	CONSTRUCTION	MOTOR SIZE (HP)	MOTOR SPEED (RPM)	FULL LOAD AMPS	VOLT/PH/Hz	
DCP-1	BELL AND GOSSETT PL-36	REFERENCE PLAN	INLINE	2	WATER	25	BRONZE	1/8	3300	2.1	120/1/60	1,2,3

- DISCONNECT PROVIDED AND INSTALLED BY DIV. 26.
- PUMP MUST BE SUITABLE FOR DOMESTIC HOT WATER RECIRC. APPLICATION.
- PROVIDE WITH AQUASTAT (ADJUSTABLE), SET TO 120° F.



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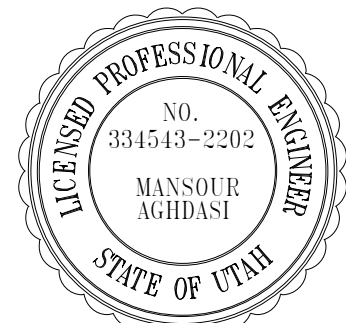
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PLUMBING SCHEDULES



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GENERAL NOTES:

- 1. ALL NEW WORK MUST MEET THE CURRENT ADOPTED NATIONAL ELECTRICAL CODE (NEC) AND ALL THE LOCAL CODES.
2. PROVIDE TAMPER-RESISTANCE RECEPTACLES IN THE AREAS WHERE KIDS ARE PRESENT AND AREAS REQUIRED BY NEC 406.12(3)...
3. NOT MORE THAN THREE (3) CIRCUITS SHALL BE INSTALLED IN A 3/4" CONDUIT.
4. RUN A NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. DO NOT SHARE THE NEUTRAL CONDUCTOR IN HOMERUNS. (NEC 210.4).
5. THE MINIMUM SIZE OF THE CONDUCTORS SHALL BE A NO. 12 AWG, THIN COPPER, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
6. LIGHT FIXTURES, RACEWAYS AND OTHER ELECTRICAL DEVICES SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM METAL OR WOOD CEILING DECK...
7. ALL J-BOXES SHALL BE RECESSED INTO THE FINISHED WALL/CEILING UNLESS THE FINISHED WALL/CEILING IS CONCRETE AND IS NOT BEING FURRED OUT...
8. PROVIDE GFCI PROTECTED OUTLETS FOR EVERY LOCATION SHOWN ON THE DRAWINGS. DO NOT USE MULTIPLE LOCATION PROTECTION.
9. WHERE CIRCUIT CONDUCTORS ARE TO BE INCREASED IN SIZE TO MEET THE VOLTAGE DROP REQUIREMENT, THE EQUIPMENT GROUNDING CONDUCTORS MUST BE INCREASED ACCORDINGLY (NEC 250.122).
10. ALL J-BOXES SHALL HAVE A MINIMUM DEPTH OF 2-1/8" UNLESS OTHERWISE SPECIFIED. SECURE ALL J-BOXES AS SHOWN IN THE DETAILS. FURNISH AND INSTALL PROPER MUD RINGS.
11. ALL THE HOMERUNS MUST BE ACCESSIBLE. DO NOT CARRY A HOMERUN FROM ONE DEVICE TO ANOTHER WHICH IS TIED TO A SEPARATE HOMERUN INSIDE THE WALL. MARK ON ALL THE J-BOXES THE CIRCUIT NAMES AND NUMBERS.
12. ALL J-BOXES SHALL BE FIRE RATED WALL. MEET THE FIRE RATING REQUIREMENT OF THE WALL AND SHALL NOT BE INSTALLED LESS THAN 24" BACK TO BACK.
13. ALL DISCONNECTS SHALL BE OF A HEAVY DUTY TYPE.
14. ALL DISCONNECTS, J-BOXES, AND CONDUITS EXPOSED TO THE OUTSIDE WEATHER AND MECHANICAL ROOMS SHALL BE OF A NON-CORROSIVE, WEATHER PROOF TYPE.
15. NEW EXPOSED CONDUITS MUST RUN AGAINST THE WALL OR CEILING. DO NOT PENDANT MOUNT ANY CONDUIT FROM THE CEILING.
16. ALL MATERIALS USED IN INSTALLATION SHALL BE U.L. APPROVED AND NEW.
17. ALL ELECTRICAL WIRING MUST BE IN A CONDUIT (ROMEX NOT PERMITTED).
18. ALL EXTERIOR RECEPTACLES SHALL BE OF WEATHER-RESISTANT TYPE AS PER NEC 406.8.
19. ALL CONDUITS SHALL RUN IN DUCT WORK.
20. CABLES OR RACEWAYS INSTALLED IN EXPOSED OR CONCEALED LOCATIONS UNDER METAL-CORRUGATED SHEET ROOF DECKING SHALL BE INSTALLED AND SUPPORTED SO THAT THE NEAREST OUTSIDE SURFACE OF THE CABLE OR RACEWAY IS NOT LESS THAN 38 MM (1 1/2 IN.) FROM THE NEAREST SURFACE OF THE ROOF DECKING.
21. SWITCHBOARDS, PANELBOARDS, AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT. THE WARNING SHALL BE SPECIFIC TO EACH PANEL AND TO MEET NEC 110-16.
22. PROVIDE LATERAL AND LONGITUDINAL BRACING FOR ALL CONDUIT RACKS, CABLE TRAYS, ETC., EXCEEDING 20 FEET IN LENGTH.
23. MINIMUM SIZE CONDUIT SHALL BE 3/4" FOR INTERIOR APPLICATION, AND 1" FOR CONDUIT BURIED BELOW GRADE IN EXTERIOR APPLICATION.
24. LABELING IS REQUIRED FOR ALL PANELBOARDS, SWITCHBOARDS, MOTOR CONTROL CENTERS, MOTOR STARTERS, TRANSFORMERS, MAJOR JUNCTION BOXES, DISCONNECT SWITCHES, BREAKERS, PUSH BUTTONS, ETC., INTERLOCKS AND RELAY PANELS.
25. USE RIGID STEEL SET SCREW TYPE FITTINGS ONLY. DIE CAST FITTING SHALL NOT BE USED.
26. USE EPOXY ANCHORS TO SUPPORT THE ELECTRICAL EQUIPMENT. EXPANSION ANCHOR BOLTS ARE NOT ACCEPTABLE.
27. AT THE END OF THE JOB, PROVIDE BLANK, MATCHING COVER PLATES FOR ALL J-BOXES WHERE DEVICES HAVE NOT YET BEEN INSTALLED.
28. SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS AND CEILINGS WITH A FIRE RATED MATERIAL. 3M IS AN APPROVED MANUFACTURER.
29. PRIOR TO SUBMITTAL FOR A BID THE ELECTRICAL CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN THEIR BID PACKAGE ALL CHARGES RELATED TO EXISTING CONDITIONS AND DEMOLITION WORK. PROVIDE SHOP DRAWINGS AS REQUIRED BY CONSTRUCTION DOCUMENTS. ALL LABOR, MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE BY THE TENANT. REPLACE OR REPAIR ALL DEFECTS DURING THE GUARANTEED PERIOD.
30. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE ELECTRICAL CONNECTIONS TO ALL THE EQUIPMENT BY PROVIDING THE NECESSARY MALE/FEMALE CONNECTOR, RECEPTACLE, PLUG, ETC.
31. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE MECHANICAL CONTRACTOR SO THAT NO PIPING, DUCTS, OR OTHER EQUIPMENT SHALL BE INSTALLED IN THE ENTRY, PASS THROUGH ELECTRICAL ROOM OR SPACES ABOVE OR BELOW ELECTRICAL PANELS.
32. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENT, ETC.) OF EQUIPMENT FURNISHED UNDER OTHER DIVISIONS WITH APPROVED SHOP DRAWINGS.
33. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER, IN WRITING, OF ANY DISCREPANCIES FOUND BETWEEN THE INTENDED FUNCTION OF EQUIPMENT AND EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS WITH A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL ADDENDUM. FAILURE TO REPORT ANY DISCREPANCY (CATALOG NUMBERS, DISCREPANCY TAGS, ETC.) DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING EQUIPMENT WHICH SHALL CONFORM TO AND FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. NOR SHALL IT BE USED AS A CONDITION TO OBTAIN ADDITIONAL FUNDS FROM THE OWNER AFTER THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL REQUEST ALL CLARIFICATIONS OF CONTRACT DOCUMENT REQUIREMENTS, IN WRITING, TO THE ARCHITECT/ENGINEER WITH A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL ADDENDUM.
34. CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER SHOP DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.
35. DETAILS ARE SHOWN ON DIFFERENT SHEETS. THE CONTRACTOR SHALL REFER TO THOSE DETAILS WHETHER OR NOT CALLED IN REFERENCE NOTES.
36. PROVIDE MANUAL THERMAL SWITCHES WITH PILOT LIGHT.
37. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF LIGHT FIXTURES.
38. COORDINATE WITH THE OWNER AND ARCHITECT FOR THE EXACT LOCATION OF THE OUTLETS PRIOR TO ROUGH-INS.
39. LIGHT SWITCHES INSTALLED ADJACENT TO EACH OTHER, SHALL BE GANGED TOGETHER WITH A ONE PIECE COVER PLATE. PROVIDE A TYPED LABEL FOR ALL DUPLEX OUTLETS AND LIGHT SWITCHES TO INDICATE WHICH CIRCUIT THEY ARE TIED TO.
40. IF POSSIBLE, MOUNT EXIT SIGN INDICATED NEAR A WALL ON THE WALL.
41. FEEDERS SHALL HAVE TYPE THIN/THWN INSULATION EXCEPT WHERE EXTREME HEAT OR WATER CONDITIONS EXIST REQUIRING SPECIAL INSULATION.
42. ALL NEW PANELS SHALL HAVE FULL NEUTRAL AND HALF GROUND BUS BARS. PROVIDE DOOR IN DOOR CONSTRUCTION FOR BRANCH PANELS. BUS BARS TO BE COPPER.
43. CONTRACTOR MUST PAY FOR HIS OWN ELECTRICITY DURING CONSTRUCTION. COORDINATE WITH THE LOCAL POWER COMPANY FOR SETTING UP TEMPORARY POWER.
44. THE OWNER MUST SCHEDULE INTERRUPTIONS OF SERVICE WHEN CONTRACTOR WISHES TO MAKE UTILITY CONNECTIONS. NOTIFY IN WRITING, THE OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO TIME WHEN INTERRUPTION IS DESIRED. INTERRUPTION MUST BE AT THE COUNTY'S CONVENIENCE. OVERTIME, IF REQUIRED FOR THIS WORK, IS TO BE AT CONTRACTOR'S EXPENSE.
45. UTILIZE INTERMEDIATE METAL CONDUIT (IMC) IN WET LOCATIONS OR AREAS SUBJECT TO DAMAGE.
46. FLEXIBLE METAL CONDUIT: PROVIDE ZINC-COATED, FLEXIBLE METAL CONDUIT FOR CONNECTIONS TO MOTORS, TRANSFORMERS, OR OTHER EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION.
47. ALL CONDUCTORS SHALL BE IN CONDUIT (3/4" MINIMUM), MC CABLES ARE ONLY ALLOWED FOR CONNECTION TO THE LIGHT FIXTURES. (MAXIMUM OF 6').
48. MARK BURIED CONDUIT WITH MAGNETIC YELLOW MAKER RIBBON 8" TO 12" BELOW FINISHED SURFACE.
49. ALL UNDERGROUND CONDUITS SHALL BE BURIED 24 INCHES MINIMUM UNDER THE GROUND.
50. THE FIRST 10 FEET OF ALL BURIED CONDUITS, 1 INCH AND OVER IN DIAMETER ARE TO BE RIGID GALVANIZED STEEL WHERE THEY ARE ENTERING OR LEAVING THE BUILDING, MAN-HOLE, VAULT, ETC. ALL METALLIC UNDERGROUND CONDUITS SHALL HAVE PVC COATING.
51. ALL METALLIC CONDUITS, JOINTS, FITTINGS, ETC. IN CONTACT WITH THE GROUND SHALL BE SPIRAL WRAPPED WITH 3M SCOTCHRAIP-51, 20 MIL TAPE (OR APPROVED EQUAL). 1/2" OVERLAP IS REQUIRED.
52. PROVIDE POWER SINGLE DIAGRAM, SEALED IN PLASTIC AT THE MAIN SWITCHBOARD. VERIFY LOCATION WITH THE OWNER'S REPRESENTATIVE.
53. ELECTRICAL CONTRACTOR IS TO SUBMIT A SCALED (1/4"=1') LAYOUT OF ALL ELECTRICAL ROOMS BASED ON THE SWITCH GEAR SUBMITTALS.
54. ALL EMERGENCY PANELS AND EMERGENCY CIRCUIT BOXES SHALL BE LABELED IN RED.
55. POWER PANELS SHALL BE LABELED IN RED. EXISTING POWER SUPPLIES SHALL BE IDENTIFIED BY RED LABELS STATING "FIRE ALARM CIRCUIT" AS PER NEC 760.41B.
56. PROVIDE FIVE CAPPED SPARE 3/4" CONDUITS FROM EACH SECTION OF A FLUSH MOUNTED BRANCH PANEL BOARD INTO THE CEILING AND FLOOR.
57. PROVIDE TYPED PANEL INDEX FOR EXISTING ELECTRICAL PANELS AFFECTED BY THE SCOPE OF THIS WORK. EXISTING UNAFFECTED CIRCUITS IN THE PANEL SHALL BE ITALICIZED AND CHANGED/ADDED CIRCUITS SHALL BE TYPED BOLD.
58. ALL STEP DOWN TRANSFORMERS SHALL HAVE COPPER WINDING AND 115 DEGREE RISE WITH CLASS 155 OR HIGHER INSULATION SYSTEM.
59. PROVIDE 4" THICK HOUSE KEEPING CONCRETE PAD FOR EACH STEP DOWN TRANSFORMER AND FREE STANDING ELECTRICAL EQUIPMENT. EXTEND CONCRETE PADS A MINIMUM OF 6" BEYOND THE DIMENSIONS OF THE EQUIPMENT.

ELECTRICAL SYMBOLS LIST

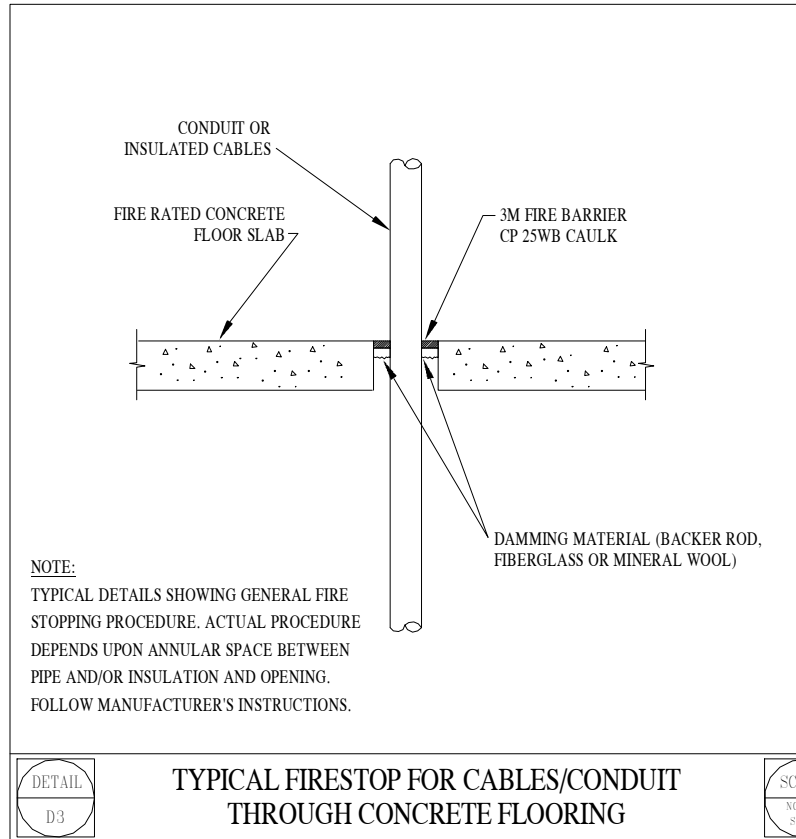
Table with columns: SYMBOL, DESCRIPTION. Includes Lighting Symbols (Light Fixture, Exit Light, Emergency Battery, etc.) and Power Symbols (Duplex Convenience Outlet, Motor Location, etc.).

GENERAL NOTE SYMBOLS

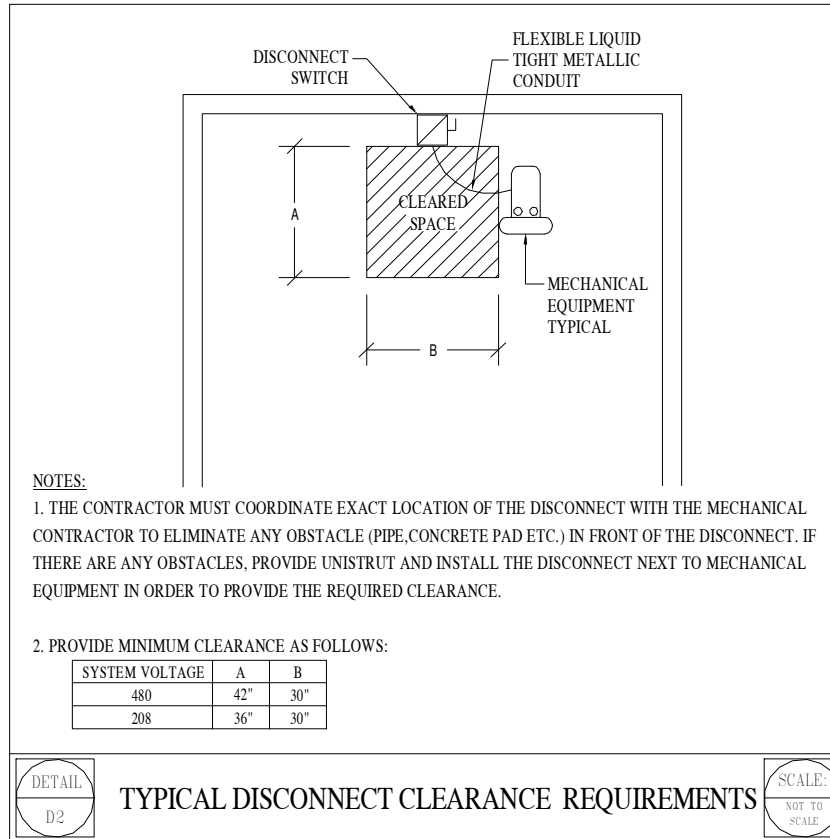
Table with columns: SYMBOL, DESCRIPTION. Includes WP (Weather Proof Equipment), A (Devices above counter top), CLG (Ceiling mounted), P/F (Dedicated outlet for printer/fax).

ABBREVIATIONS

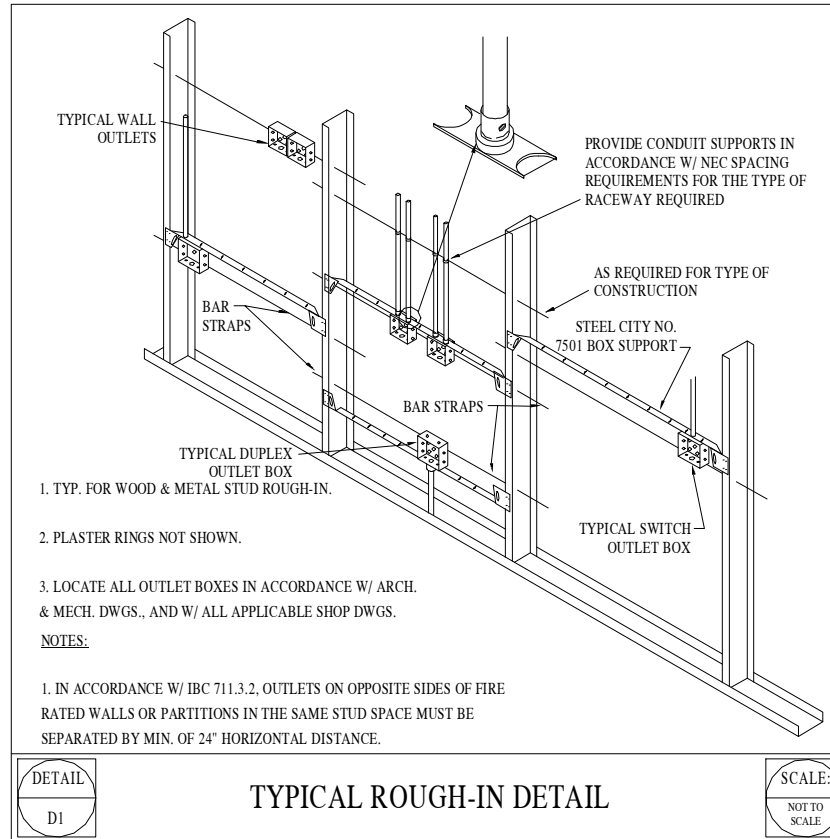
Table with columns: SYMBOL, DESCRIPTION. Includes H.D. (Hand dryer), DISP (Disposal).



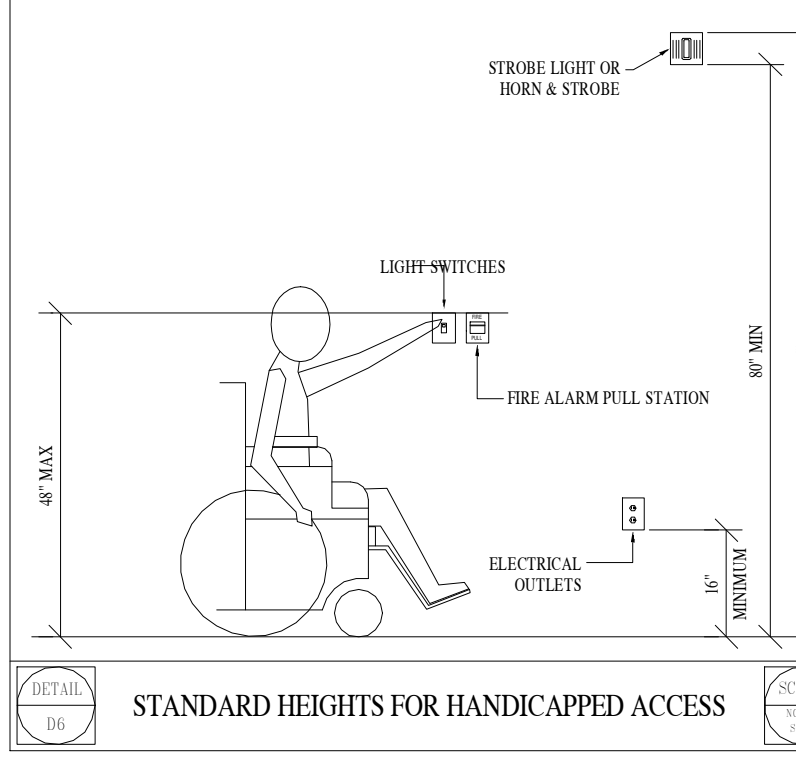
TYPICAL FIRESTOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING



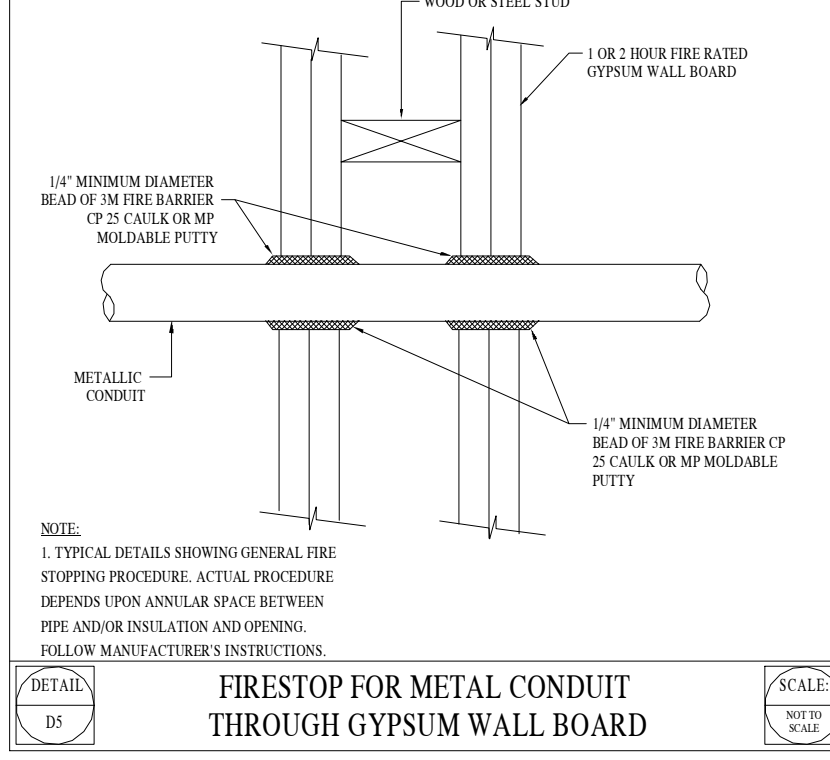
TYPICAL DISCONNECT CLEARANCE REQUIREMENTS



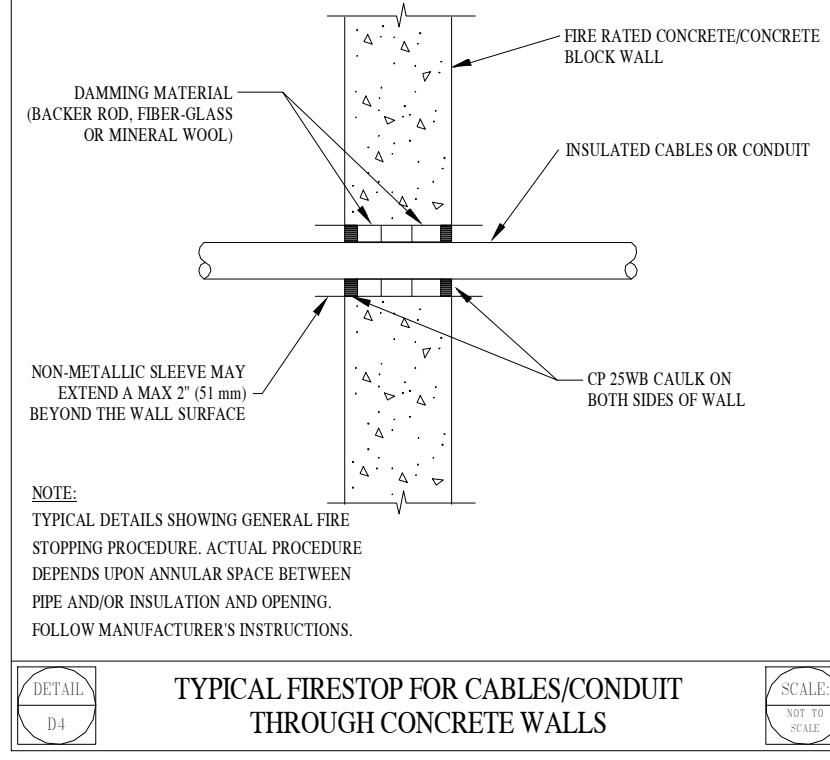
TYPICAL ROUGH-IN DETAIL



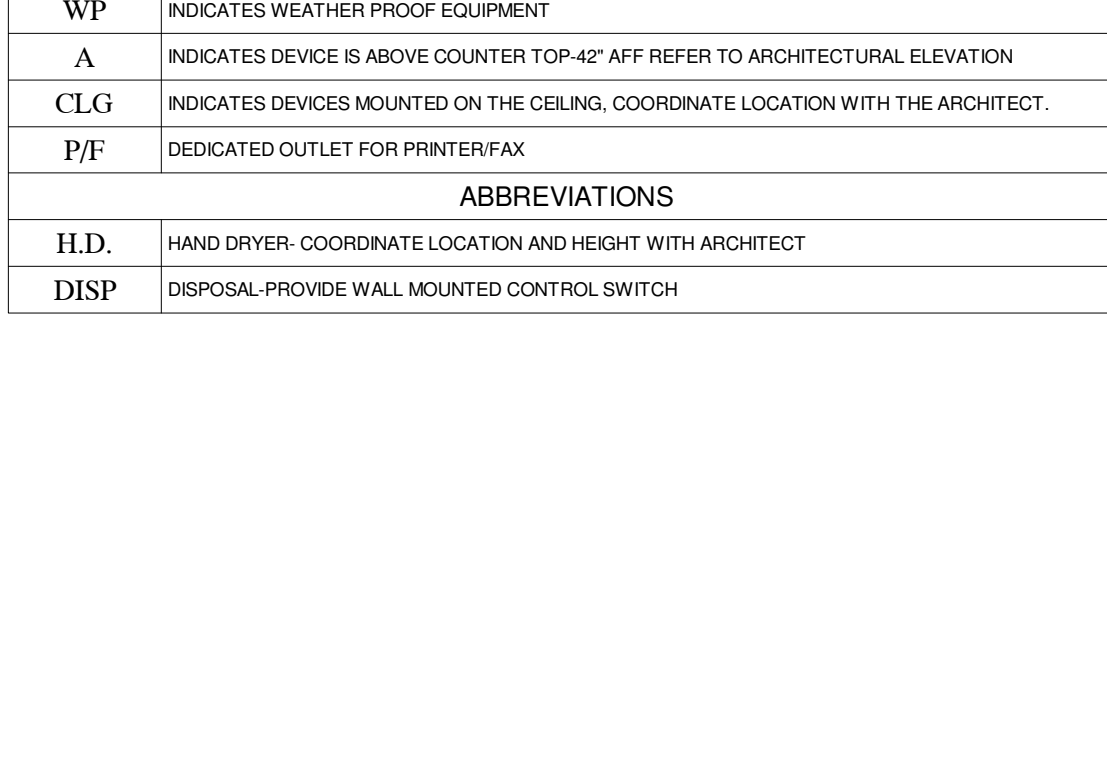
STANDARD HEIGHTS FOR HANDICAPPED ACCESS



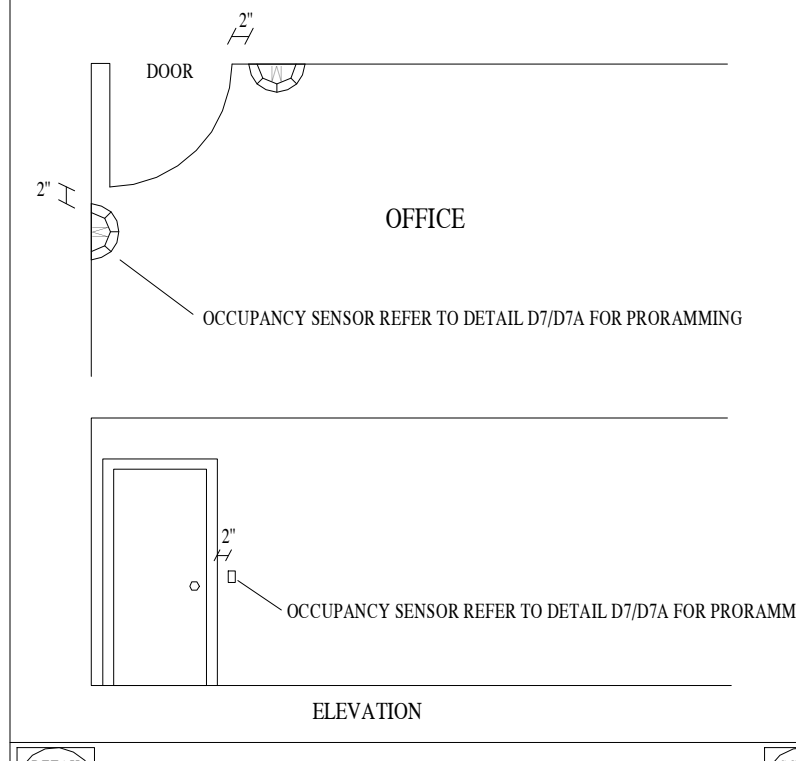
FIRESTOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD



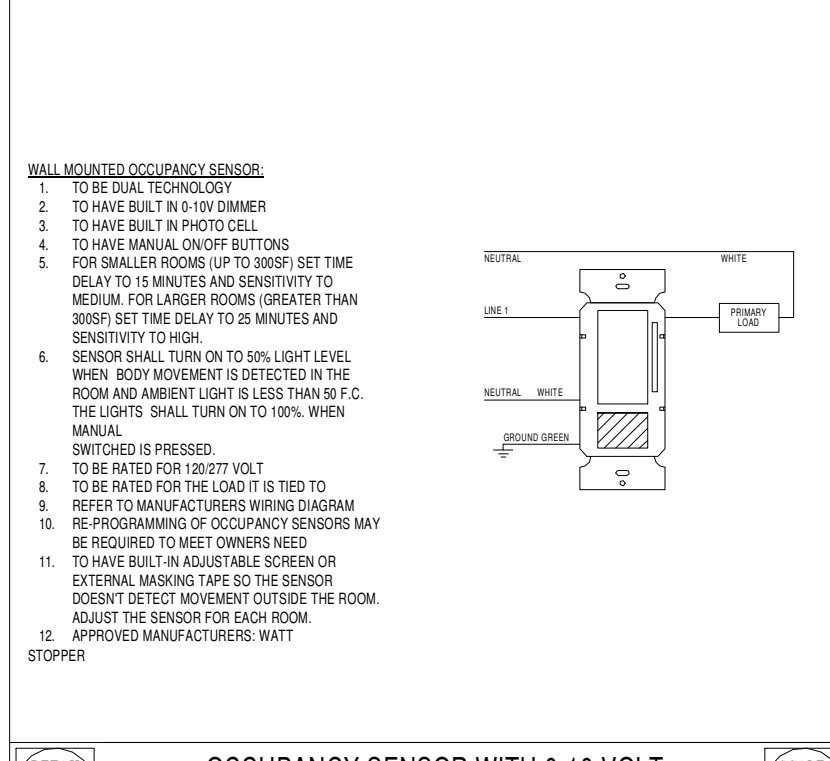
TYPICAL FIRESTOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS



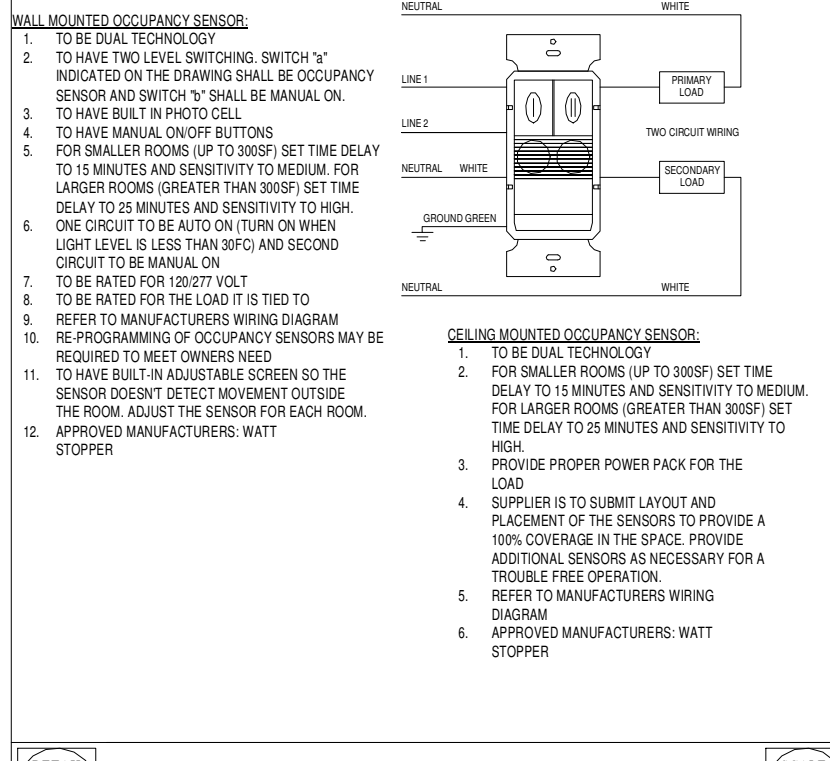
OCCUPANCY SENSOR LOCATION DETAIL



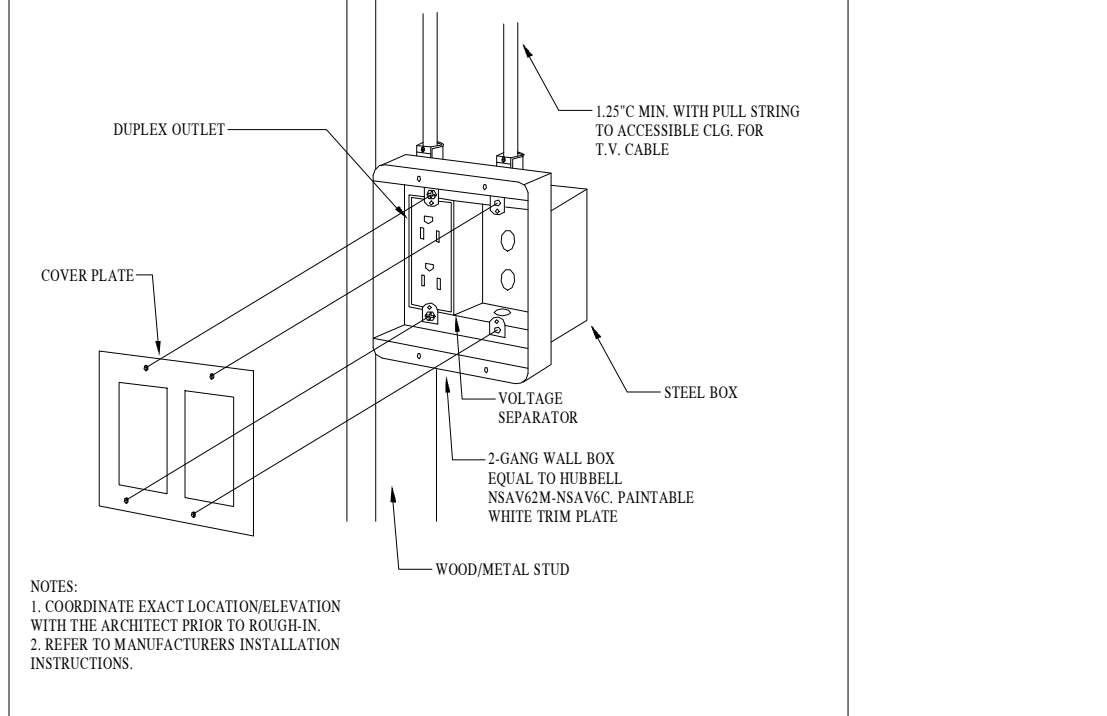
OCCUPANCY SENSOR WITH 0-10 VOLT DIMMING DETAIL



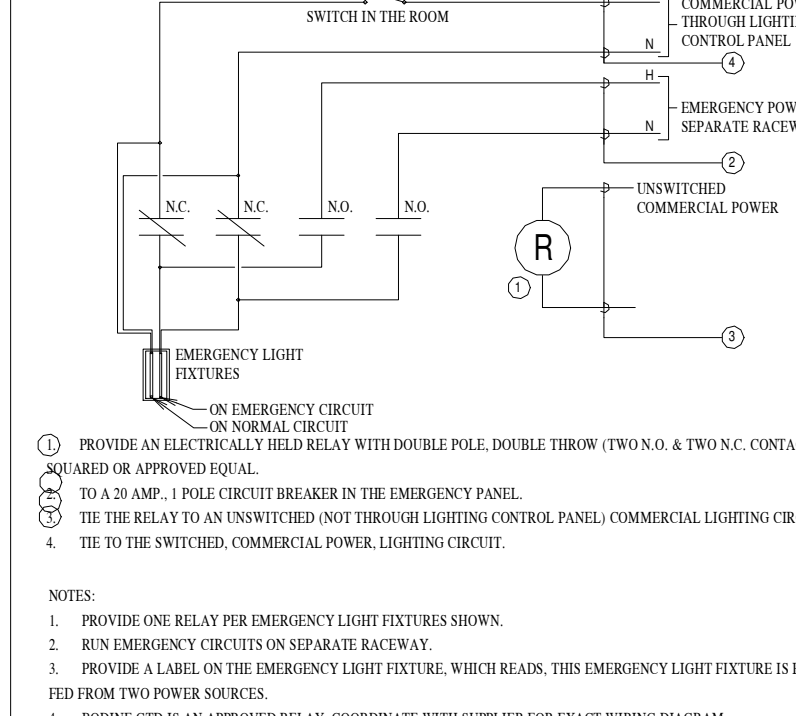
OCCUPANCY/VACANCY SENSOR DETAIL



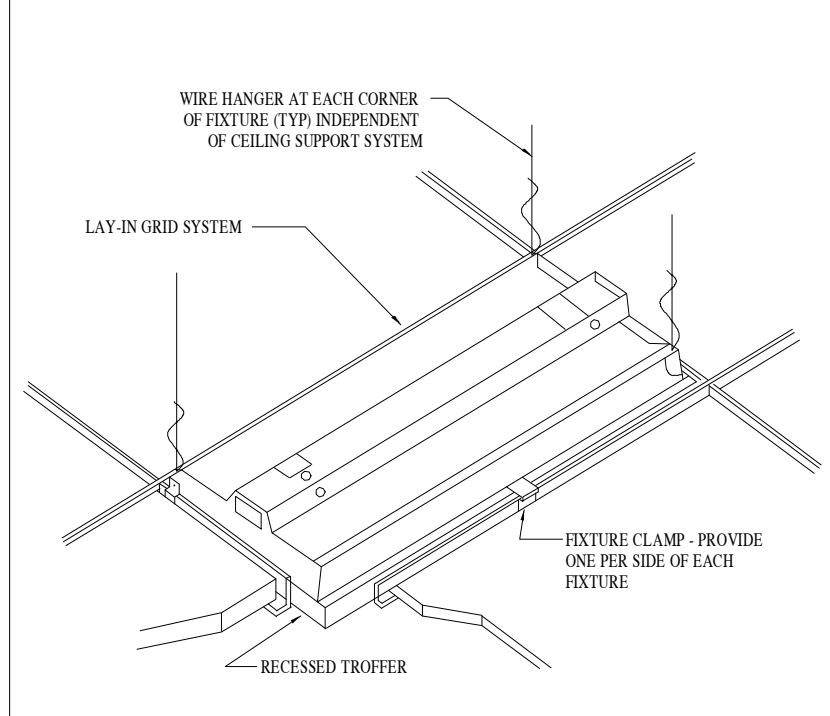
TYPICAL RECESSED FIXTURE MOUNTING DETAIL



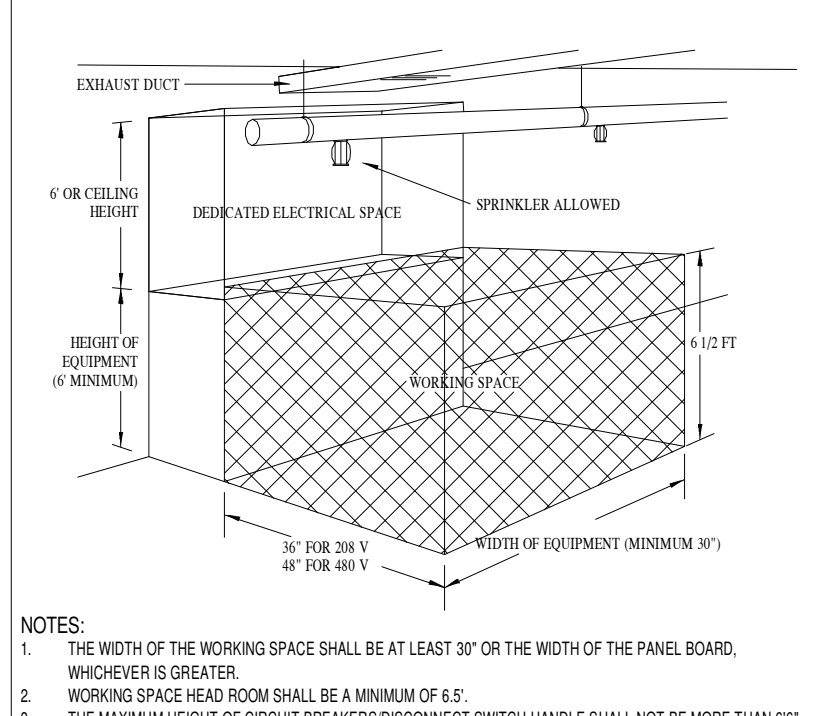
EMERGENCY LIGHT WIRING DIAGRAM DETAIL



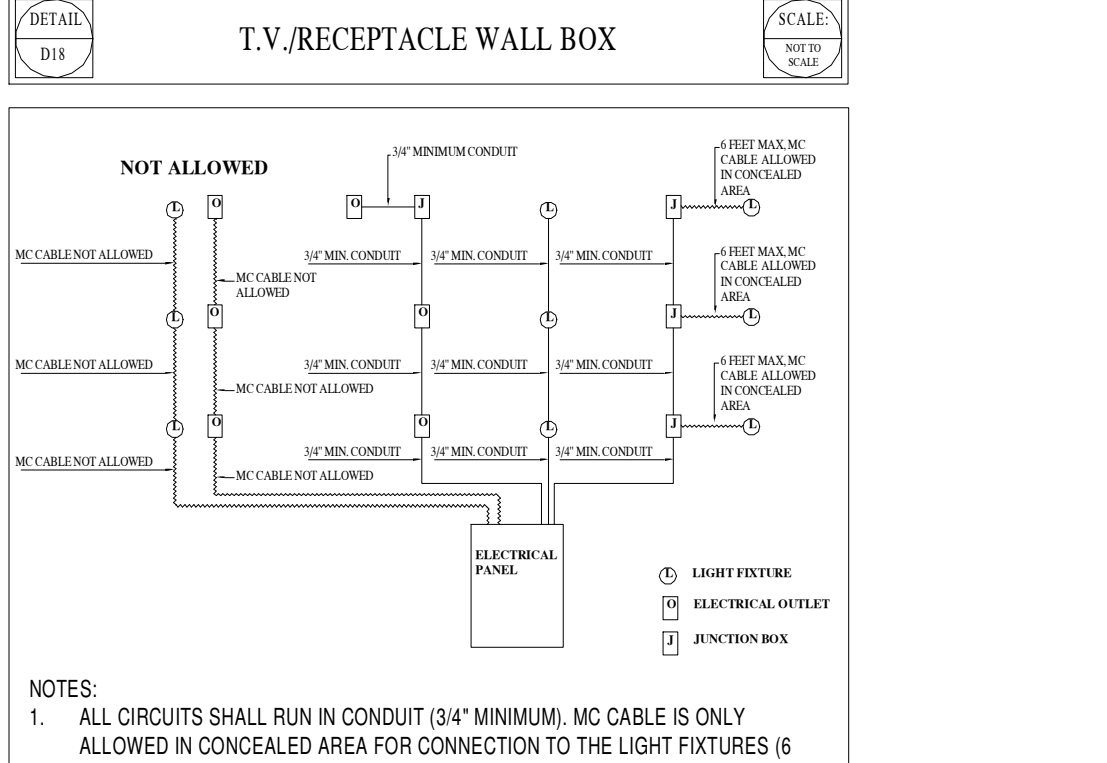
REQUIRED INDOOR INSTALLATION SPACES FOR ELECTRICAL EQUIPMENT



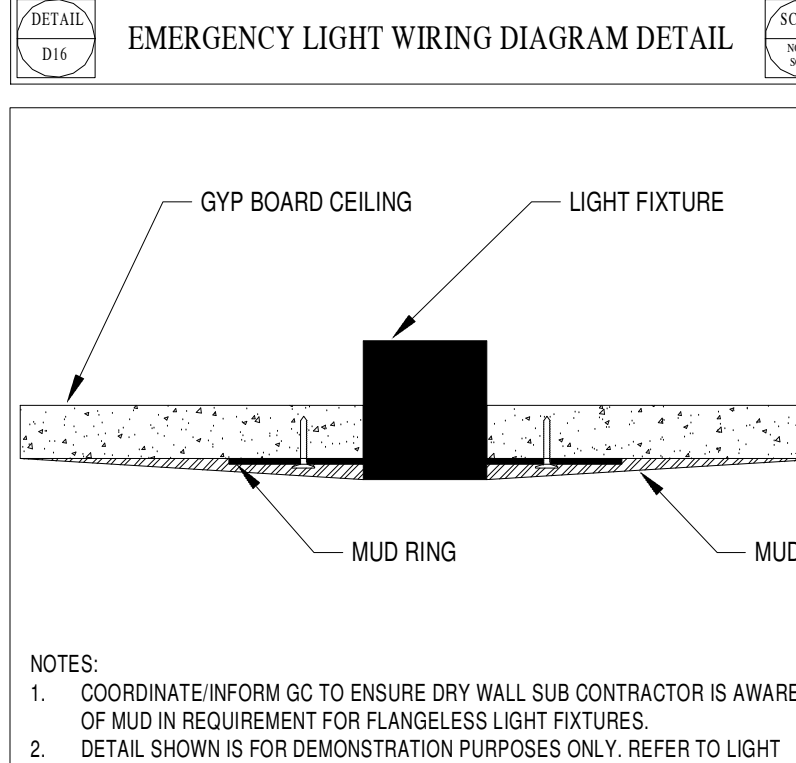
TYPICAL CONDUIT RACK SUPPORT DETAIL



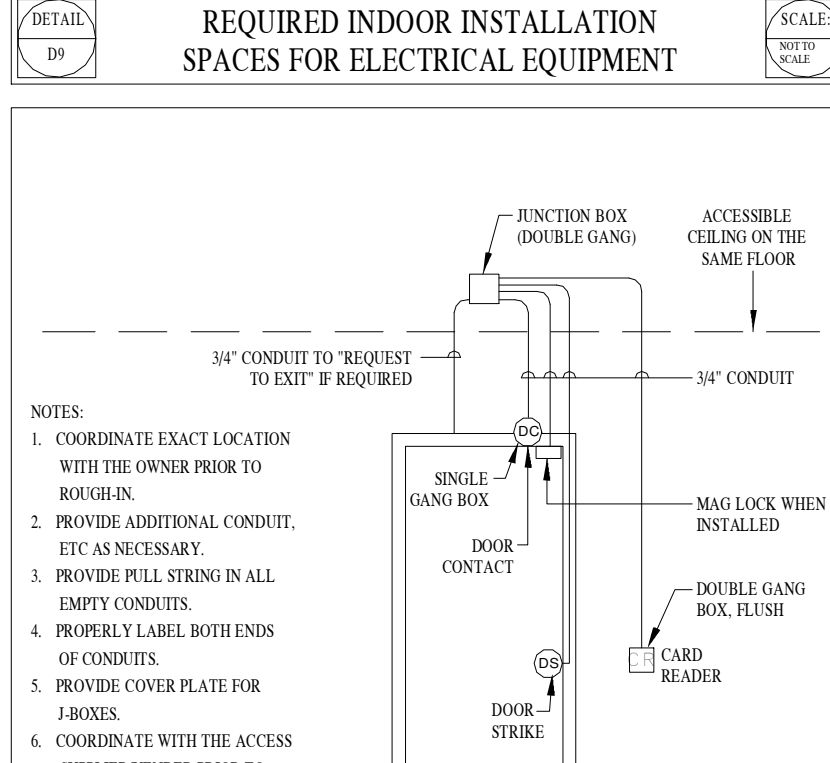
GENERIC FLANGELESS LIGHT FIXTURE DETAIL



TYPICAL CONDUIT RUN DETAIL



CARD READER ROUGH IN DETAIL



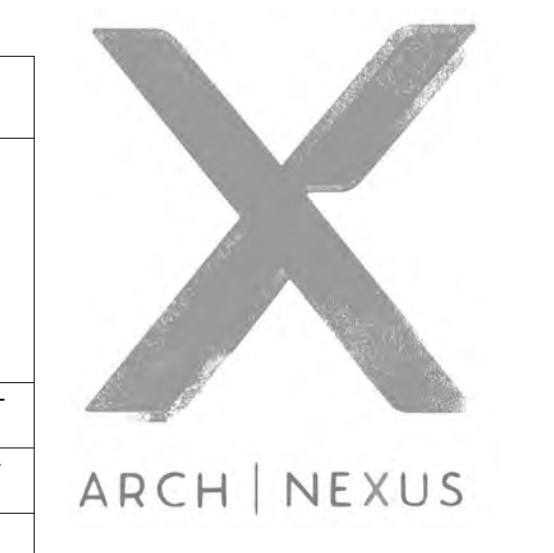
TYPICAL CONDUIT RACK SUPPORT DETAIL

EXISTING PANEL "P1" table with columns for Breaker, Description, Type, Amps, Wires, and Panel Totals. Includes notes on breaker requirements.

EXISTING PANEL "P2" table with columns for Breaker, Description, Type, Amps, Wires, and Panel Totals. Includes notes on breaker requirements.

MECHANICAL EQUIPMENT SCHEDULE table with columns for Equipment No., Rating/Watts, Voltage, Phase, Amps, Wire Size, Conduit Size, Fuse Disc. Sw., Type Rki Fuses, Breaker Size, Circuit, and Notes.

LIGHT FIXTURE SCHEDULE table with columns for Symbol, Type, Description, Lumen Requirements, Wattage, Voltage, Dimming, Color Temp, Minimum CRI, Mounting, Beam Angle, Manufacturers, and Catalog Numbers.



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Salt Lake County CLARK PLANETARIUM NEW SPACE TENANT IMPROVEMENT 110 S 400 W, Salt Lake City UT, 84101

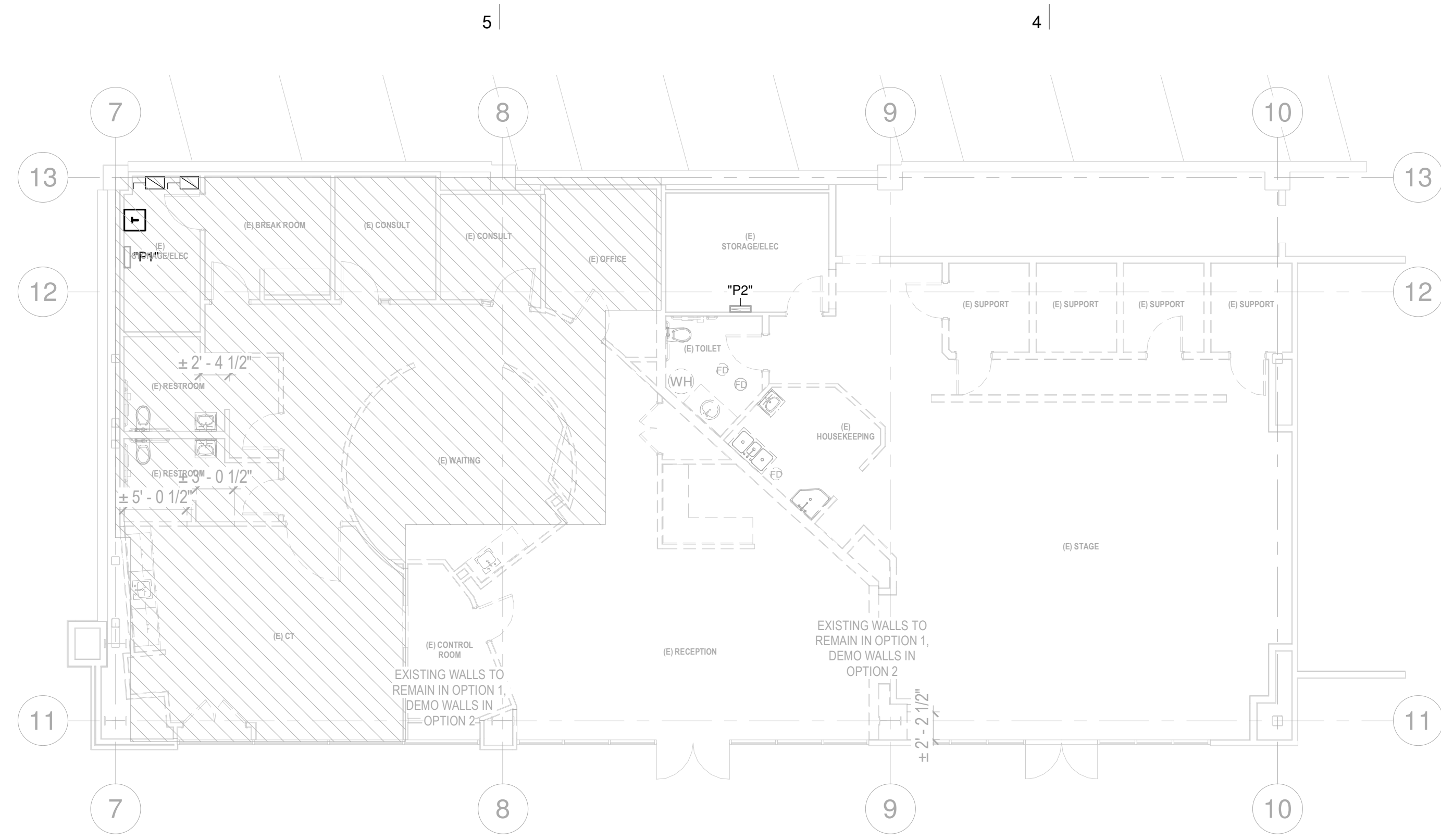
Revision table with columns for #, Date, Revision, and details of plan reviews.

CONSTRUCTION DOCUMENTS (BP-2, P.I)

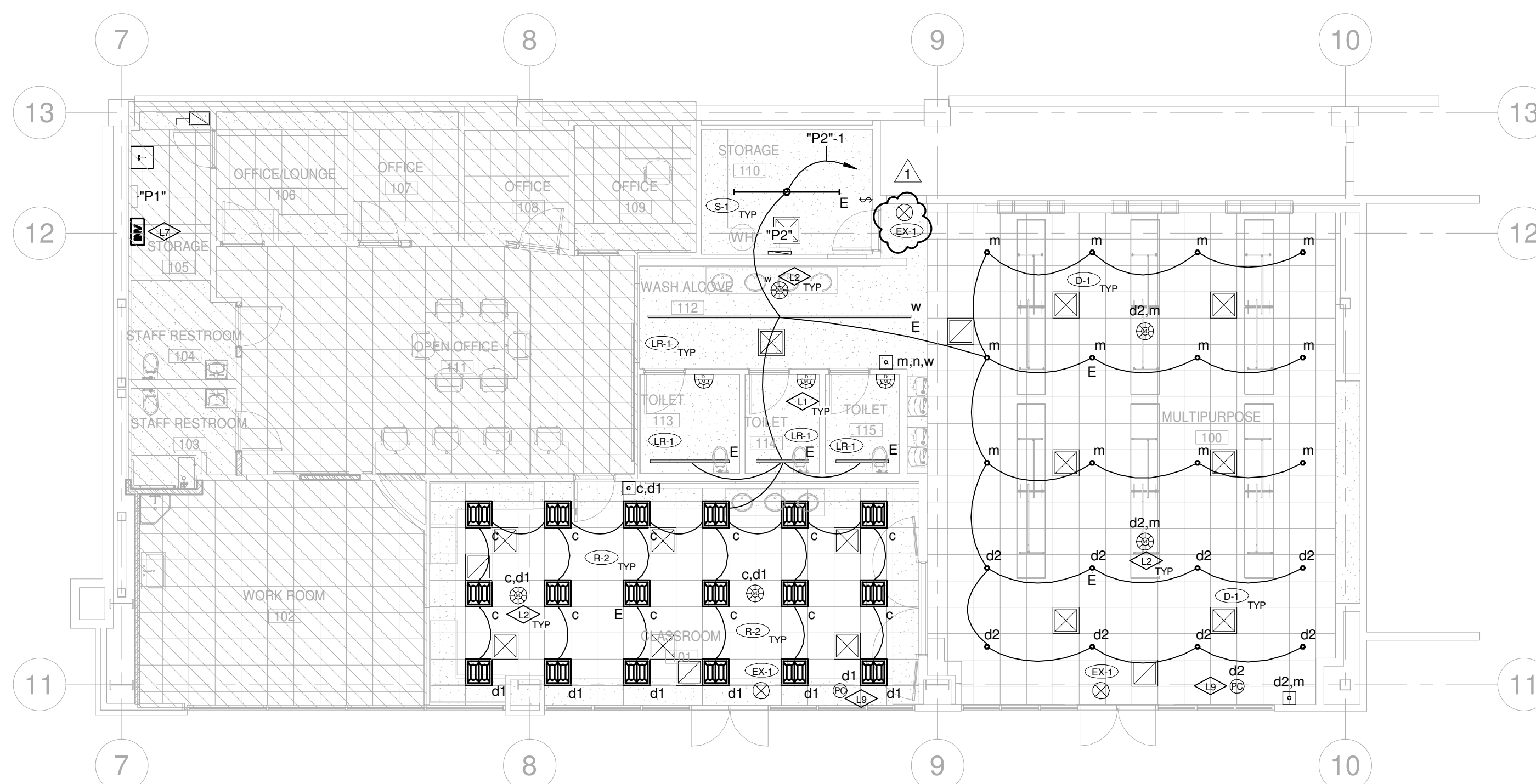
NEXUS PROJECT #: 22070 CHECKED BY: MA DRAWN BY: AZ DATE: 25 AUGUST 2023

SCHEDULES





LEVEL 1 FLOOR PLAN - DEMOLITION
 1/8" = 1'-0"
 NORTH



LEVEL 1 FLOOR PLAN - LIGHTING
 1/8" = 1'-0"
 NORTH

SHEET NOTES - DEMOLITION

- 1 IN THE EXISTING SPACE TO BE RENOVATED, THE CONTRACTOR SHALL REMOVE ALL LIGHT FIXTURES, SWITCHES, WIRING, WIRING DEVICES, CONDUITS, FIRE ALARM DEVICES, SPEAKERS VOLUME CONTROLS, ETC. AS REQUIRED WHETHER OR NOT SHOWN ON THE DRAWINGS COORDINATE WITH THE GENERAL CONTRACTOR PRIOR TO ANY DEMOLITION WORK AND REINSTALL DEVICES ON THE NEW CEILING IF NECESSARY.
- 2 ALL MATERIALS THAT ARE TO BE REMOVED FROM THE PREMISES SHALL BE RETURNED TO THE OWNER. MATERIALS WHICH THE OWNER DECIDES NOT TO KEEP SHALL BE SALVAGED AND REMOVED FROM THE SITE BY THE CONTRACTOR.
- 3 ALL CONCEALED CONDUITS THAT CANNOT BE REMOVED SHALL BE CUT FLUSH WITH THE FINISHED SURFACES AND CAPPED OFF AFTER THE WIRING HAS BEEN DISCONNECTED AT THE PANEL AND REMOVED FROM THE CONDUIT.
- 4 IN AREAS WHERE CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED BECAUSE OF THE NATURE OF THE FACILITY, MAKE ALL THE NECESSARY MODIFICATIONS TO THE CIRCUITS IN ORDER TO MAINTAIN THE CIRCUITS INTEGRITY.
- 5 EXISTING PANELS AND THE TRANSFORMER TO REMAIN AS IS AND STAY FUNCTIONAL.

SHEET NOTES - LIGHTING

- 1 TIE ALL FIXTURES INDICATED WITH A LOWER CASE LETTER TO ITS CORRESPONDING SWITCH(ES). PROVIDE CONDUITS, CONDUCTORS, LIGHTING CONTACTORS, ETC. FOR A COMPLETE INSTALLATION.
- 2 EMERGENCY LIGHT FIXTURES INDICATED WITH THE LETTER "E" (4' SECTION OF LINEAR LIGHT) SHALL BE TIED TO THE EMERGENCY POWER AND TURN ON (TO FULL LUMEN OUTPUT OF THE FIXTURE) WHEN THE COMMERCIAL POWER FAILS REGARDLESS OF THE POSITION OF THE CONTROL SWITCH. THE FIXTURE SHALL BE CONTROLLED BY THE INDICATED SWITCH. PROVIDE CONDUITS, CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION. RUN THE EMERGENCY CIRCUIT IN A SEPARATE RACEWAY. PROVIDE RELAY EQUAL TO BODINE GTD.
- 3 TIE EXIT SIGNS TO AN UNSWITCHED EMERGENCY LIGHTING CIRCUIT. PROVIDE CONDUITS, CONDUCTORS, RELAY BALLASTS, ETC. FOR A COMPLETE INSTALLATION.
- 4 LIGHT FIXTURES INDICATED WITH THE LETTERS "NL" (NIGHT LIGHT) SHALL STAY ON AT ALL TIMES. PROVIDE CONDUITS, CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION. NIGHT LIGHTS SHALL BE DIMMED WITH THE INDICATED DIMMER SWITCH.
- 5 ELECTRICAL CONTRACTOR IS TO COORDINATE WITH THE GC AND DRY WALL CONTRACTOR TO ENSURE ALL THE FLANGELESS LIGHT FIXTURES ARE INSTALLED PROPERLY IN A PROFESSIONAL MANNER. COORDINATE WITH THE GC AND SHEET ROCK CONTRACTOR PRIOR TO ROUGH-IN. REFER TO DETAIL D43 ON SHEET E-001 FOR MORE INFORMATION.

REFERENCE NOTES

- L1 FURNISH AND INSTALL A LOW PROFILE WALL MOUNTED OCCUPANCY SENSOR WITH BUILT IN 0-10V DIMMER SWITCH TO BE SUITABLE FOR THE TYPE OF LIGHT IT IS CONTROLLING. COORDINATE WITH THE LIGHT FIXTURE MANUFACTURER FOR PROPER DIMMER TYPE TO ENSURE COMPATIBILITY. DIMMER TO BE DIMMABLE TO 10% OF THE LIGHT OUTPUT. REFER TO DETAIL D7A ON E-001. WATT STOPPER IS THE ONLY APPROVED MANUFACTURER.
- L2 FURNISH AND INSTALL A CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR WITH VANDAL-RESISTANT LENS TO CONTROL THE LIGHT FIXTURES IN THE HALLWAYS/ROOM. OCCUPANCY SENSORS THAT CONTROL THE SAME LIGHT FIXTURES SHALL BE INTERCONNECTED, SO THAT WHEN ONE ACTIVATES ALL LIGHTS WITH THE SAME SWITCH LEG AS THAT OCCUPANCY SENSOR SHALL TURN ON. OCCUPANCY SENSORS THAT CONTROL DIFFERENT ZONES IN OPEN OFFICE SHALL BE INTERCONNECTED (CAT 5 OR WHAT IS REQUIRED BY MANUFACTURER) AND PROGRAMMED SO THAT THE LIGHTING IN THE AREA WITHOUT MOTION DROPS DOWN TO 20% LIGHT OUTPUT DURING BUSINESS HOURS. PROVIDE ROOM CONTROLLER WITH NUMBER OF ZONES AS REQUIRED TO ACCOMMODATE CONTROL SHOWN ON THE DRAWINGS (RESTROOM DOES NOT REQUIRE A ROOM CONTROLLER). PROVIDE PUSH BUTTONS AS SHOWN (ONE BUTTON PER ZONE). REFER TO DRAWINGS/PUSH BUTTON SCHEDULE FOR MORE INFORMATION. THE OCCUPANCY SENSOR SUPPLIER SHALL PROVIDE A LAYOUT TO ENSURE A 100% COVERAGE IN EACH AREA. PROVIDE ADDITIONAL POWER PACKS (TO CONTROL 120V AND 277V CIRCUITS), RELAYS, ETC. FOR A COMPLETE INSTALLATION. REFER TO DETAIL D7 ON SHEET E-001 FOR PROGRAMMING. WATT STOPPER IS THE ONLY APPROVED MANUFACTURER.
- L7 FURNISH AND INSTALL A 250 WATT EMERGENCY INVERTER IN THE APPROXIMATE LOCATION TO FEED THE EMERGENCY LIGHTS. TIE THE EMERGENCY LIGHTS FIXTURE TO THE INVERTER UTILIZING SEPARATE RACE WAY THAN THE NORMAL LIGHTING CIRCUIT. PROVIDE CONDUIT, CONDUCTORS, RELAY, ETC. FOR A COMPLETE INSTALLATION. ACUITY BRAND, COOPER, PHILIPS, AND HUBBELL ARE THE APPROVED MANUFACTURER. THE INVERTER IS TO HAVE 120 VOLTS, INPUT, AND 120 VOLT, 20 AMP CIRCUIT BREAKERS ON THE OUTPUT. TIE THE INVERTER TO THE SAME CIRCUIT AS THE LIGHTING CIRCUIT.
- L9 FURNISH AND INSTALL A CLOSED LOOP PHOTO CELL WITH 0-10V CONTINUOUS DIMMING IN THE APPROXIMATE LOCATION SHOWN. THE PHOTO CELL SHALL BE FULLY COMPATIBLE WITH THE LIGHT FIXTURES IT IS CONTROLLING. PROVIDE ROOM CONTROLLER AS NEEDED. PROGRAM THE SYSTEM SO THAT 30FC AVERAGE IS MAINTAINED AT THE DESK LEVEL. RUN ADDITIONAL CONTROL WIRES TO EACH FIXTURE AS NECESSARY. RE-PROGRAM AFTER THE TENANT HAS MOVED IN. COORDINATE THIS WORK WITH THE OWNER/ARCHITECT.



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Salt Lake County
CLARK PLANETARIUM NEW SPACE TENANT IMPROVEMENT
 110 S 400 W, Salt Lake City UT, 84101

#	Date	Revision
1	10-11-23	Plan Review 01

CONSTRUCTION DOCUMENTS (BP-2, P.I)

NEXUS PROJECT #: 22070
 CHECKED BY: MA
 DRAWN BY: AZ
 DATE: 25 AUGUST 2023

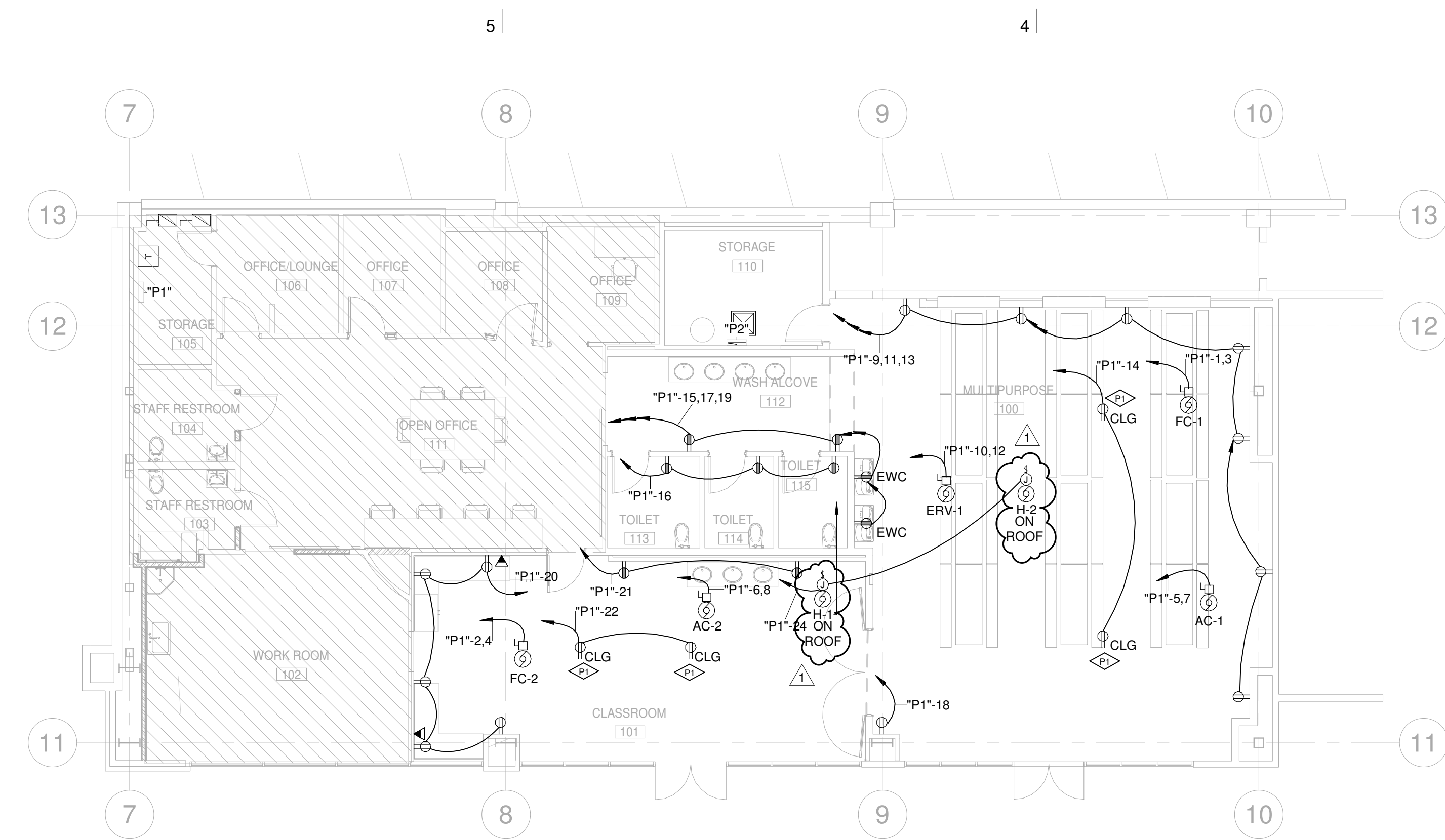
LEVEL 1 FLOOR PLAN - DEMOLITION & LIGHTING



#930

EELD EDL-101

ELECTRICAL ENGINEERING & LIGHTING DESIGN
 1220 SOUTH 300 WEST SLC, UT 84101 | 801-486-2222



LEVEL 1 FLOOR PLAN- POWER
 1/8" = 1'-0"
 NORTH

SHEET NOTES - POWER	
1	FURNISH AND INSTALL A 4"x4"x2-1/8" J-BOX WHERE VOICE/DATA OUTLETS ARE SHOWN. RUN A 1" CONDUIT WITH A PULL-STRING FROM THE J-BOX TO THE NEAREST ACCESSIBLE CEILING SPACE ON THIS FLOOR. PROVIDE A 90° LONG SWEEP ELBOW WITH PLASTIC BUSHING AT THE END OF THE CONDUIT. COORDINATE WITH THE OWNER/ARCHITECT FOR EXACT LOCATION PRIOR TO ROUGH-IN.
2	INSTALL DUPLEX OUTLET NEXT TO DATA OUTLET IN OFFICES, CONFERENCE ROOMS, COPY AREAS, ETC. COORDINATE EXACT LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
3	PROVIDE J-BOX AND RUN 1.25" CONDUIT TO NEAREST ACCESSIBLE CEILING WITH PULL STRING FOR TV. INSTALL CLOCK TYPE OUTLET NEXT TO J-BOX. COORDINATE WITH ARCHITECT/ OWNER FOR EXACT LOCATION AND HEIGHT. REFER TO DETAIL D18 ON SHEET E-001.



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LEVEL 1 FLOOR PLAN - POWER



#930

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10/11/2023 5:01:01 PM