

Intermountain Health
Layton Hospital
Brachytherapy
 201 W Layton Parkway
 Layton, UT 84041

Construction Documents



DESIGN TEAM	
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201 W Layton Parkway
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NJRA Project # 23242.00
 Construction Documents March 22, 2024

Cover Sheet

G001

INTERIM LIFE SAFETY MEASURES

IMPLEMENTATION OF INTERIM LIFE SAFETY MEASURES (ILSM) IS REQUIRED IN OR ADJACENT TO ALL CONSTRUCTION AREAS AND THROUGHOUT BUILDINGS WITH EXISTING LSC DEFICIENCIES. ILSM APPLY TO ALL PERSONNEL, INCLUDING CONSTRUCTION WORKERS, MUST BE IMPLEMENTED UPON PROJECT DEVELOPMENT, AND CONTINUOUSLY ENFORCED THROUGH PROJECT COMPLETION. ILSM ARE INTENDED TO PROVIDE A LEVEL OF LIFE SAFETY COMPARABLE TO THAT DESCRIBED IN CHAPTERS 1 THROUGH 7, 31 AND THE APPLICABLE OCCUPANCY CHAPTERS OF THE LSC. EACH ILSM ACTION MUST BE DOCUMENTED THROUGH WRITTEN POLICIES AND PROCEDURES. EXCEPT AS STATED BELOW, FREQUENCIES FOR INSPECTION, TESTING, TRAINING, AND ILSM CONSIST OF THE FOLLOWING ACTIONS:

1. ENSURING EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL SHALL RECEIVE TRAINING IF ALTERNATIVE EXITS MUST BE DESIGNATED. BUILDINGS OR AREAS UNDER CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS AT ALL TIMES. MEANS OF EGRESS IN CONSTRUCTION AREAS MUST BE INSPECTED DAILY.
2. ENSURING FREE AND UNOBSTRUCTED ACCESS TO EMERGENCY DEPARTMENTS/ SERVICES AND FOR EMERGENCY FORCES.
3. ENSURE FIRE ALARM, DETECTION, AND SUPPRESSION SYSTEMS ARE NOT IMPAIRED. A TEMPORARY, BUT EQUIVALENT, SYSTEM SHALL BE PROVIDED WHEN ANY FIRE SYSTEM IS IMPAIRED. TEMPORARY SYSTEMS MUST BE INSPECTED AND TESTED MONTHLY.
4. ENSURING TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND BUILT OF NONCOM OR LIMITED COMBUSTIBLE MATERIALS THAT WILL NOT CONTRIBUTE TO THE DEVELOPMENT OR SPREAD OF FIRE.
5. PROVIDING ADDITIONAL FIRE-FIGHTING EQUIPMENT AND USE TRAINING OF PERSONNEL.
6. PROHIBITING SMOKING IN ACCORDANCE WITH MA.1.3.1.5 AND IN OR ADJACENT TO ALL CONSTRUCTION AREAS.
7. DEVELOPING AND ENFORCING STORAGE, HOUSEKEEPING, AND DEBRIS REMOVAL PRACTICES THAT REDUCE THE FLAMMABLE AND COMBUSTIBLE FIRE LOAD OF THE BUILDING TO THE LOWEST LEVEL NECESSARY FOR DAILY OPERATIONS.
8. CONDUCTING A MINIMUM OF TWO FIRE DRILLS PER SHIFT PER QUARTER.
9. INCREASING HAZARD SURVEILLANCE OF BUILDINGS, GROUNDS, AND EQUIPMENT WITH SPECIAL ATTENTION TO EXCAVATIONS, CONSTRUCTION AREAS CONSTRUCTION STORAGE, AND FIELD OFFICES.
10. TRAINING PERSONNEL WHEN STRUCTURAL OR COMPARTMENT FEATURES OF FIRE SAFETY ARE COMPROMISED.
11. CONDUCTING ORGANIZATION WIDE SAFETY EDUCATION PROGRAMS TO ENSURE AWARENESS OF ANY LSC DEFICIENCIES, CONSTRUCTION HAZARDS, AND THESE ILSM.

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE FOLLOWING SCOPE OF WORK:
 A. REMODEL OF EXISTING ADMINISTRATIVE CONFERENCE ROOM AND SUPPLY STORAGE ROOM TO A NEW BRACHYTHERAPY AND CONTROL ROOM. SCOPE OF WORK INCLUDES ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL AS REQUIRED

VICINITY MAP



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INFECTION CONTROL RISK ASSESSMENT

CONSTRUCTION ACTIVITY TYPE
 Type D:
 Major demolition or construction that creates major disruption, i.e. noise, dust, vibration, odor, or mechanical systems
 includes, but not limited to:
 • heavy demolition or removal of a complete cabling system
 • new construction or buildout of shielded space

INFECTION CONTROL RISK GROUP
 Highest: Brachytherapy

CONSTRUCTION CLASS
 Construction Activity Type:

IC Risk Group	Type A	Type B	Type C	Type D
Lowest	Class I	Class II	Class III	Class IV
Medium	Class I	Class II	Class III	Class IV
High	Class I	Class II	Class III	Class IV
Highest	Class II	Class IV	Class IV	Class IV

INFECTION CONTROL PROTOCOLS
 During Construction (Class IV):

- Perform work using methods to minimize raising dust or tracking dust into other areas.
- Immediately replace ceiling tile upon completion of inspection.
- Use active dust control measures.
- Use water mist to control dust while cutting.
- Seal doors, ducts, vents and HVAC units.
- Place dust control mats at entries to work area; keep them clean and effective.
- Remove debris only in tightly covered containers.
- Construct barriers to prevent dust and other contaminant migration prior to beginning work.
- Maintain negative air pressure in work space using HEPA filtration units.
- Seal all pipes, conduits and penetrations.
- Construct and use anteroom for all entry to work area; HEPA vacuum all personnel, or have them change clothing before they leave the work area.
- All personnel wear shoe covers while in the work area and remove them before entering the hospital.

Upon Completion (Class IV):

- Clean work area.
- Wipe all horizontal surfaces with disinfectant.
- Remove final debris only in tightly covered containers.
- Vacuum using HEPA filtered vacuum; mop with disinfectant as appropriate.
- Remove all seals from doors, ducts, vents and HVAC units.
- Remove construction barriers in a manner that minimizes the spread of dust and debris.

ABBREVIATIONS

A	AND	DWL	DOWEL	INT.	INTERIOR	P.S.F.	POUNDS PER SQUARE FOOT	V.C.P.	VITREOUS CLAY PIPE
@	AT	DN.	DOWN	INV.	INVERT				
Ø	DIAMETER	D.S.	DOWN SPOUT			R	RADIUS	W	WATER CLOSET
(E), EXIST.	EXISTING	D.W.V.	DRAINAGE WASTE VENT	J	JANITOR	RAO.	RECOMMENDATION	W.C.	WATER HEATER
(N)	NEW	DWG.	DRAWING	JT.	JOINT	REG.	REGISTER	W.R.	WATER RESISTANT
d	PENNY	E	EACH	JST.	JOIST	REQ'D	REQUIRED	W.P.	WATERPROOF
#	POUND OR NUMBER	E.A.	EACH			R.A.	RETURN AIR	W.W.F.	WELED WIRE FABRIC
		E.W.C.	ELEC. WATER COOLER	L	LAMINATED	REV.	REVISION	W.F.	WIDE FLANGE
		EL./ELEC.	ELECTRIC	L.A.M.	LAMINATED	R.D.	ROOF DRAIN	W.D.W.	WINDOW
A	ACOUSTIC	ELEV.	ELEVATION	L.DG.	LANDING	RFG.	ROOFING	W/	WITH
ADD	ADDENDUM	EQ.	EQUAL	LAV.	LAVATORY	RM.	ROOM	W/O	WITHOUT
A/C	AIR CONDITIONING	EQUIP.	EQUIPMENT	LT.	LIGHT	RGH.	ROUGH	WD.	WOOD
ALT.	ALTERNATE	EXH.	EXHAUST	L.W.C.	LIGHT WEIGHT CONCRETE	RND.	ROUND		
AL	ALUMINUM	EXIST.	EXISTING	LVR.	LOUVER				
A.B.	ANCHOR BOLT	E.J.	EXPANSION JOINT	M					
ARCH	ARCHITECT[URAL]	EXT.	EXTERIOR	M.B.	MACHINE BOLT	SCR.	SCREW		
ASP.	ASPHALT			MFR.	MANUFACTURER	SECT.	SECTION		
		F		M.O.	MASONRY OPENING	SEL.	SELECT		
B		FT.	FEET	MATL.	MATERIAL	SHT.	SHEET		
BSMT.	BASEMENT	FV/F.V.	FIELD VERIFY	MECH.	MECHANICAL	SM.	SIMILAR		
B.M.	BENCHMARK	FIN.	FINISHED	MTL.	METAL	SLDG.	SLIDING		
B.K.G.	BLOCKING	F.E.	FIRE EXTINGUISHER	MIN.	MINIMUM	SM.	SMOOTH		
BD.	BOARD	F.E.C.	FIRE EXTINGUISHER CABINET	MULDG.	MOLDING	SPEC.	SPECIFICATION		
B.O.	BOTTOM OF	FIXT.	FIXTURE	MULL.	MULLION	SPL.	SPLASH		
BLDGS.	BUILDING	FL.	FLASHING			SQ.	SQUARE		
		G				S.S.	STAINLESS STEEL		
C		GALV.	GALVANIZED	N		STD.	STANDARD		
CABT	CABINET	GA.	GAUGE	N.G.	NATURAL GRADE	STRUC.	STRUCTURE		
C.I.P.	CAST IN PLACE	G.C.	GENERAL CONTRACTOR	NOM.	NOMINAL	S.A.	SUPPLY AIR		
C.B.	CATCH BASIN	G.S.N.	GENERAL STRUCTURAL NOTES	N/A	NOT APPLICABLE	SUSP.	SUSPENDED		
CLG.	CEILING	GL.	GLASS	N.I.C.	NOT IN CONTRACT	SW.BD.	SWITCHBOARD		
CL	CENTER LINE	GD.	GRADE	N.I.S.	NOT TO SCALE				
C.T.	CERAMIC TILE	GR.	GRILLE			T			
CH	CHANNEL	GRD.	GROUND	O		TELCO	TELEPHONE COMPANY		
C.O.	CLEAN OUT	GYP.	GYP. GROUND	O.C.	ON CENTER	T.G.	TEMPERED GLASS		
CLR.	CLEAR			O.D.	OUTSIDE DIAMETER	T&G	TONGUE & GROOVE		
CL.	CLOSET	H		O.R.D.	OVERFLOW ROOF DRAIN	T&B	TOP & BOTTOM		
COL	COLUMN	HDW.	HARDWARE	O.F.S.	OVERFLOW SCUPPER	T.O.	TOP OF		
CONC.	CONCRETE	HDWD.	HARDWOOD	O.F.O.I.	OWNER FURNISHED, CONTRACTOR INSTALLED	T.O.C.	TOP OF CURB		
CMU	CONCRETE MASONRY UNIT	HTR.	HEATER			T.O.D.	TOP OF DECK		
COND.	CONDITION	HE.	HEIGHT	O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED	T.O.P.	TOP OF PARAPET		
CONN.	CONNECTION	H.P.	HIGH POINT			THP.	TYPICAL		
CONST.	CONSTRUCTION	H.M.	HOLLOW METAL	P		U			
CONT	CONTINUOUS	HORIZ.	HORIZONTAL	PT.	PAINT	U.N.O.	UNLESS NOTED OTHERWISE		
CJ	CONTROL JOINT	H.B.	HOSE BIB	PTD.	PAINTED				
		H.W.	HOT WATER	PR	PAIR	V.	VENT		
D		HR.	HOUR	PNL.	PANEL	V.T.R.	VENT THROUGH ROOF		
D.P.	DAMP PROOFING	I		P.L.	PLASTIC LAMINATE	VERT.	VERTICAL		
D.B.	DECK BEARING	IN.	INCH	PL.	PLATE	V.G.	VERTICAL GRAIN		
DIAG.	DIAGONAL	I.D.	INSIDE DIAMETER	PLBG.	PLUMBING	VEST.	VESTIBULE		
DIA.	DIAMETER	INSUL.	INSULATION	P.S.I.	POUND PER SQUARE INCH	V.C.T.	VINTL COMPOSITION TILE		
DIM.	DIMENSION								
DISP.	DISPENSER								

DEFERRED SUBMITTALS

THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE BUILDING OFFICIAL FOR REVIEW WITH AN ACCOMPANYING LETTER FROM THE ARCHITECT STATING THAT THE CONTENTS OF THE SUBMITTAL ARE IN CONFORMANCE WITH THE DESIGN. WORK RELATED TO THE DEFERRED SUBMITTAL IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

1. DETAILS AND ENGINEERING CALCULATIONS FOR ALL NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS. THESE SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-05. REFERENCE IBC SECTION 1613.1. THIS INCLUDES:
 - ELECTRICAL SYSTEMS
 - MECHANICAL SYSTEMS
 - PLUMBING SYSTEMS
 - DECORATIVE ARCHITECTURAL COMPONENTS.
2. DETAILS AND ENGINEERING CALCULATIONS FOR THE FIRE SPRINKLER AND FIRE DETECTION SYSTEMS, WHICH ARE TO BE DESIGN-BUILD BY THE CONTRACTOR TO COMPLY WITH NFPA 13 AND SHALL INCLUDE:
 - FIRE ALARM PLANS (INCLUDING CO DETECTOR LOCATIONS)
 - AUTOMATIC FIRE SPRINKLER PLANS

SPECIAL INSPECTIONS

SEE STRUCTURAL DRAWINGS FOR SPECIAL INSPECTIONS REQUIRED.

DEFINITIONS

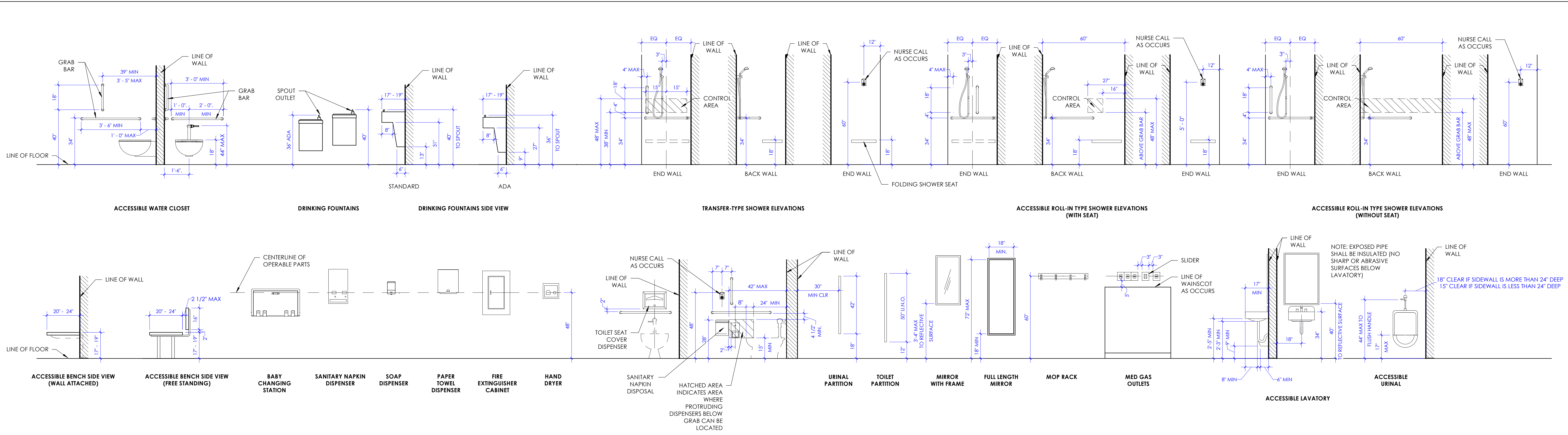
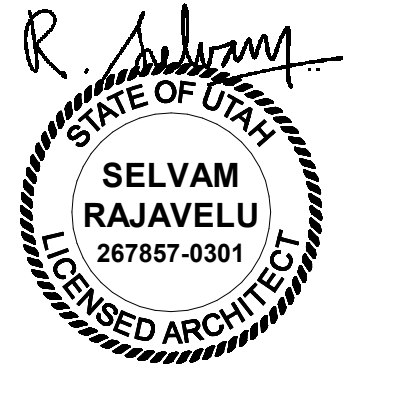
1. GENERAL: BASIC CONTRACT DEFINITIONS ARE INCLUDED IN THE CONDITIONS OF THE CONTRACT.
2. "APPROVED": WHEN USED TO CONVEY ARCHITECT'S ACTION ON CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, "APPROVED" IS LIMITED TO ARCHITECT'S DUTIES AND RESPONSIBILITIES AS STATED IN THE CONDITIONS OF THE CONTRACT.
3. "DIRECTED": A COMMAND OR INSTRUCTION BY ARCHITECT, OTHER TERMS INCLUDING "REQUESTED," "AUTHORIZED," "SELECTED," "REQUIRED," AND "PERMITTED" HAVE THE SAME MEANING AS "DIRECTED."
4. "INDICATED": REQUIREMENTS EXPRESSED BY GRAPHIC REPRESENTATIONS OR IN WRITTEN FORM ON DRAWINGS, IN SPECIFICATIONS, AND IN OTHER CONTRACT DOCUMENTS, OTHER TERMS INCLUDING "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" HAVE THE SAME MEANING AS "INDICATED."
5. "REGULATIONS": LAWS, ORDINANCES, STATUTES, AND LAWFUL ORDERS ISSUED BY AUTHORITIES HAVING JURISDICTION, AND RULES, CONVENTIONS, AND AGREEMENTS WITHIN THE CONSTRUCTION INDUSTRY THAT CONTROL PERFORMANCE OF THE WORK.
6. "TURNISH": SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.
7. "INSTALL": UNLOAD, TEMPORARILY STORE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, WORK TO DIMENSION, FINISH, CURE, PROTECT, CLEAN, AND SIMILAR OPERATIONS AT PROJECT SITE.
8. "PROVIDE": FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
9. "PROJECT SITE": SPACE AVAILABLE FOR PERFORMING CONSTRUCTION ACTIVITIES. THE EXTENT OF PROJECT SITE IS SHOWN ON DRAWINGS AND MAY OR MAY NOT BE IDENTICAL WITH THE DESCRIPTION OF THE LAND ON WHICH PROJECT IS TO BE BUILT.

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General Information

G002



1 Typical Mounting Heights
SCALE: 3/8" = 1'-0"

LEGEND - MATERIALS	
HATCH PATTERN BELOW INDICATES REPRESENTATION OF BUILDING MATERIALS IN BUILDING SECTIONS, WALL SECTIONS AND DETAILS.	
	Concrete
	Finish Wood
	Gypsum Board
	Blocking
	Steel
	Stone
	Earth
	Gravel
	Masonry Concrete Block
	Ball Insulation
	Masonry Brick
	Insulation Rigid

GENERAL INFORMATION SYMBOLS & TAGS	
SHEET NUMBERING SYSTEM PROJECT AREA SHEET NUMBER SEQUENCE SHEET TYPE DISCIPLINE	ROOM TAG ROOM NAME ROOM COUNT DESIGNATION DENOTES OCCUPANT LOAD IN CODE COMPLIANCE PLANS. DENOTES ROOM AREA OF 155 SQUARE FEET ROOM NUMBER, LETTER "A" IN THE ROOM NUMBER DENOTES "AREA A" IN THE PROJECT, NUMBER "3" DENOTES "FLOOR LEVEL 3", NUMBER "24" DENOTES ROOM NUMBERING SEQUENCE IN THE PROJECT AREA.
GRID TAG GRID REFERENCE LETTER - A, B, C, ETC. (USED FOR HORIZONTAL GRID SEQUENCE, TYPICALLY FROM LEFT TO RIGHT) GRID LINE GRID REFERENCE NUMBER - 1, 2, 3, ETC. (USED FOR VERTICAL GRID SEQUENCE, TYPICALLY FROM TOP TO BOTTOM)	DOOR TAG DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS THE FIRST LETTER "A" AND THE FOLLOWING THREE DIGITS "124" DENOTES ROOM NUMBER SUFFIX "C" DENOTES SEQUENCE OF DOOR ACCESSING THE ROOM.
NORTH ARROW 	WINDOW TAG WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS
BUILDING SECTIONS SECTION TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS BUILDING SECTION SHEET WHERE DRAWN	FLOOR FINISH TAG TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR FLOOR COVERING AND FINISHES REQUIRED.
WALL SECTIONS SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS WALL SECTION SHEET WHERE DRAWN	WALL BASE TAG TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL BASE TYPE.
DETAIL TAGS DETAIL NUMBER SHEET WHERE DRAWN	WALL FINISH TAG TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL FINISHES REQUIRED.
EXTERIOR ELEVATION TAGS TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN EXTERIOR ELEVATION NUMBER SHEET WHERE DRAWN	CEILING FINISH TAG TAGS ARE INDICATED ON REFLECTED CEILING PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR CEILING FINISHES REQUIRED.
INTERIOR ELEVATION TAGS TAGS ARE INDICATED ON FINISH FLOOR PLANS INTERIOR ELEVATION NUMBER SHEET WHERE DRAWN	OTHER FINISH TAG TAGS ARE INDICATED ON FINISH FLOOR PLAN & INTERIOR ELEVATIONS. SEE FINISH SCHEDULE, SHEET A603A. FOR FINISHES REQUIRED.
KEYED NOTES - PROJECT SPECIFIC KEYED NOTES THAT ARE PROJECT SPECIFIC AS INDICATED ON PLANS, SECTIONS AND ELEVATIONS DIVISION # DIVISION NOTE	CABINET TAG CABINET TYPES ARE INDICATED ON INTERIOR ELEVATIONS & CABINET LEGEND, SHEET A505A.
KEYED NOTES - GENERIC KEYED NOTES THAT ARE NOT PROJECT SPECIFIC AS INDICATED ON GENERIC, TYPICAL DETAILS. 	SIGN TAG TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE SIGN TYPE DETAIL 1/A506A.
WALL TAG WALL TAGS ARE INDICATED ON DIMENSION FLOOR PLANS. WALL TYPES ARE INDICATED IN SHEET A501A. 	

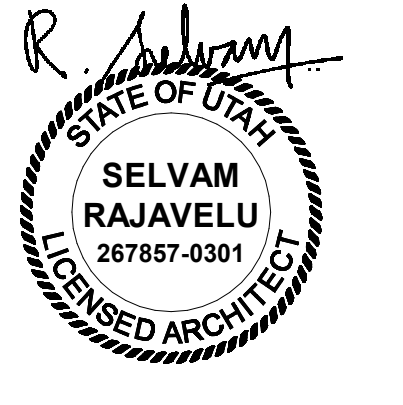
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General Information

G003



DOORS AND DOORWAYS

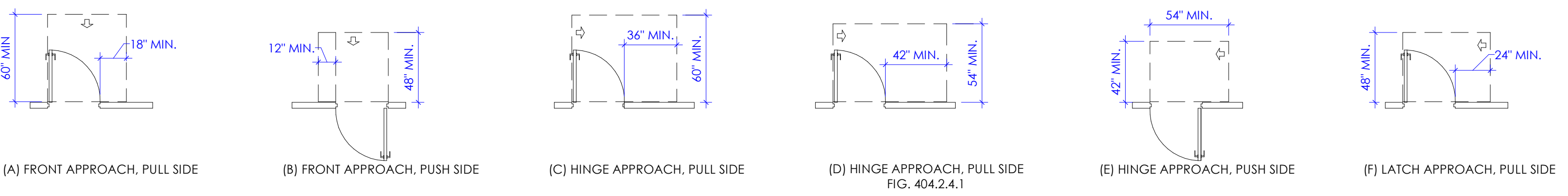
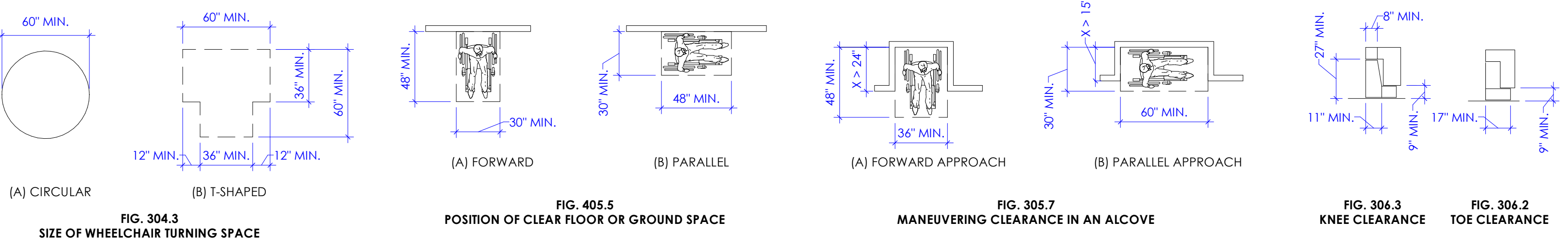


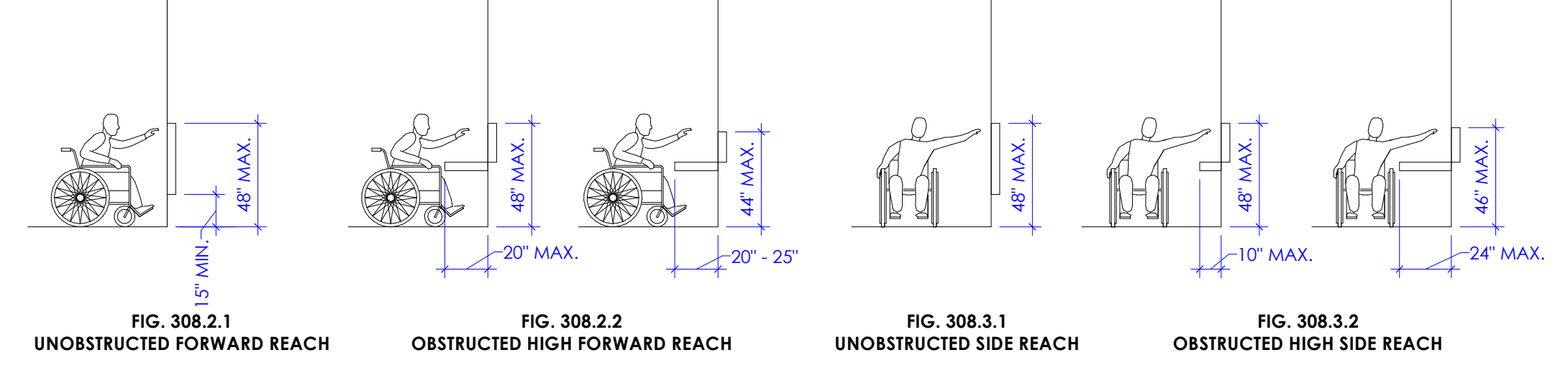
FIG. 404.2.4 TWO DOORS IN A SERIES

FIG. 404.2.2 MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

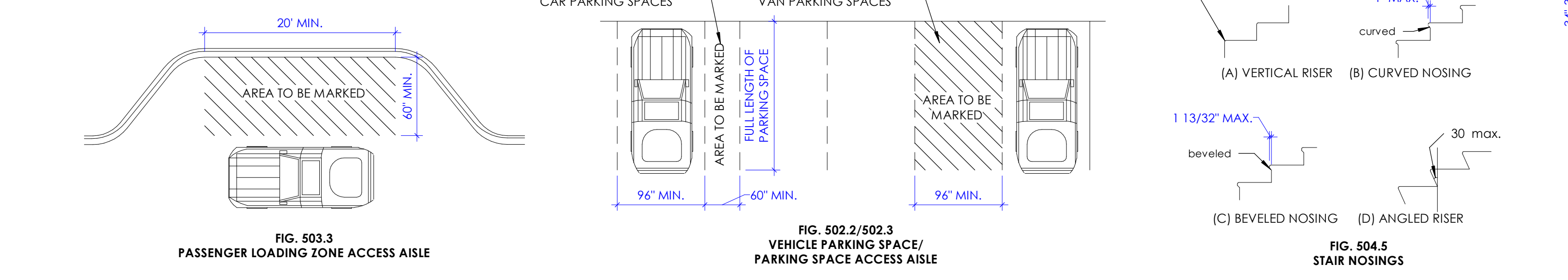
CLEAR FLOOR SPACE



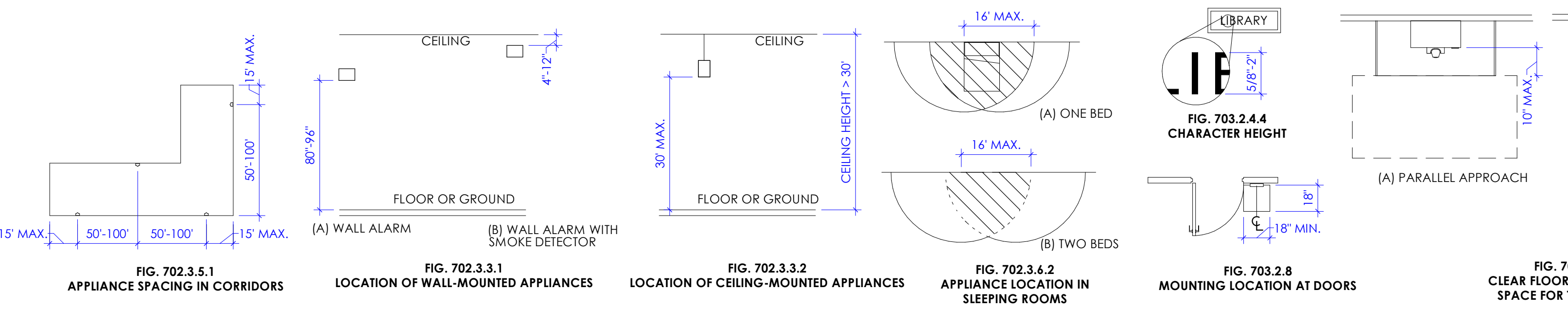
REACH RANGES



GENERAL SITE AND BUILDING ELEMENTS

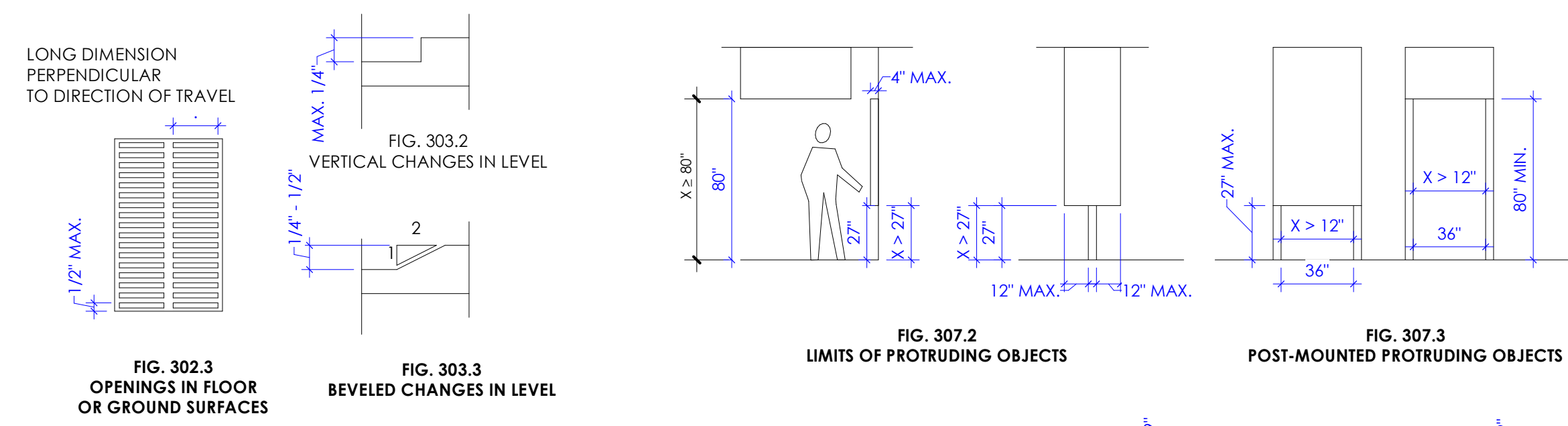


COMMUNICATION ELEMENTS AND FEATURES

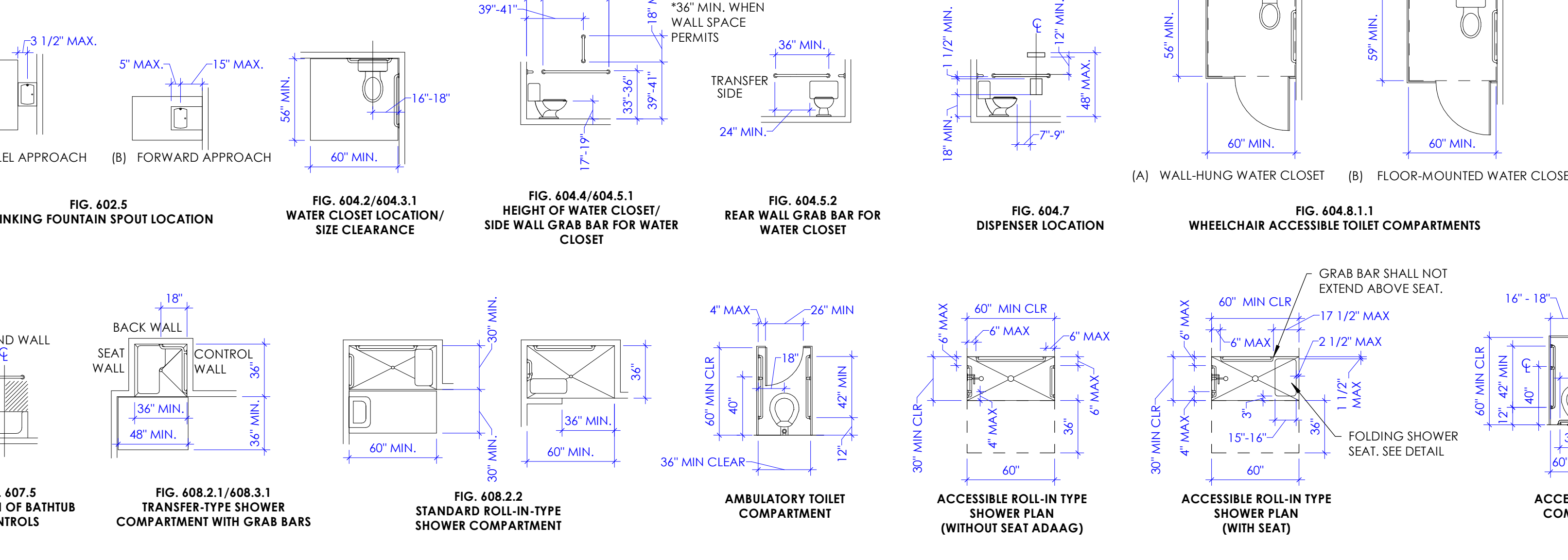


BUILDING BLOCKS

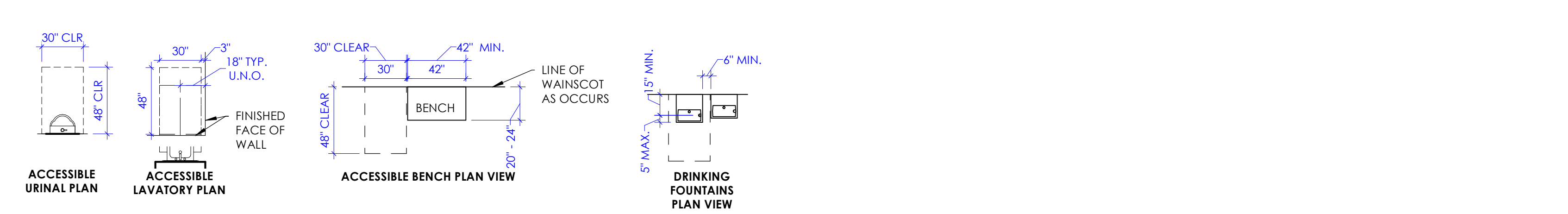
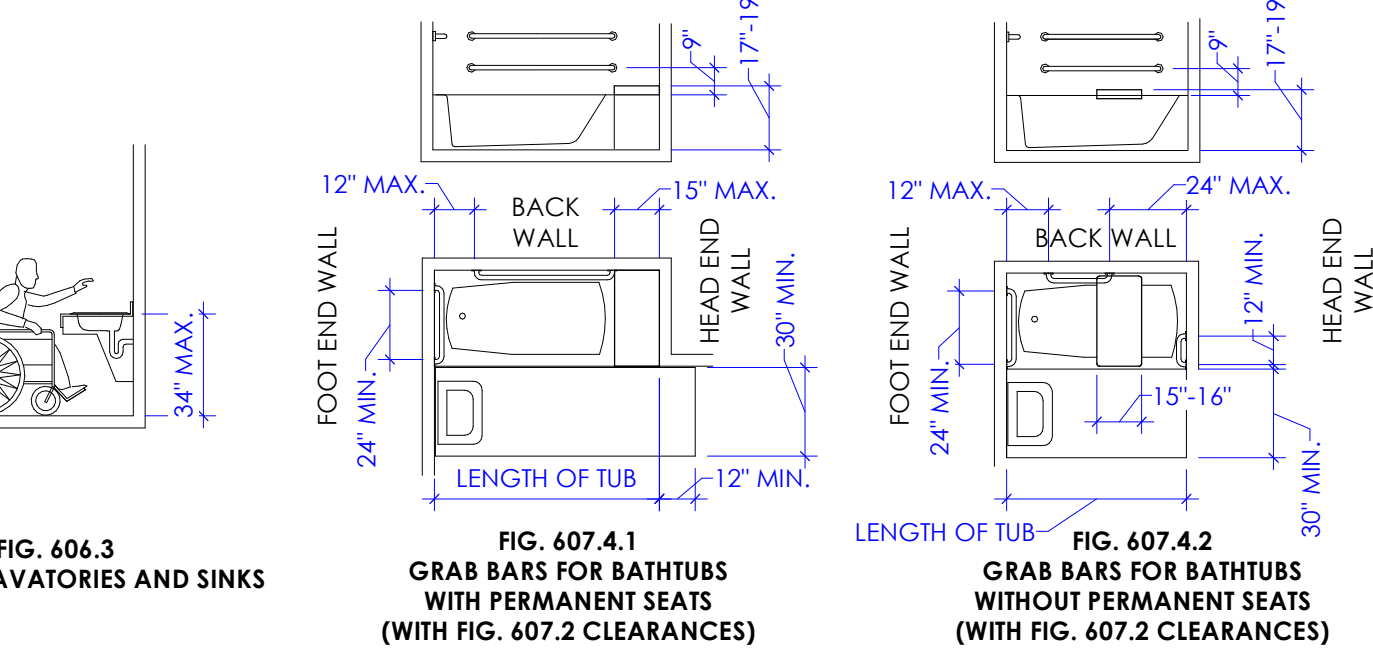
PROTRUDING OBJECTS



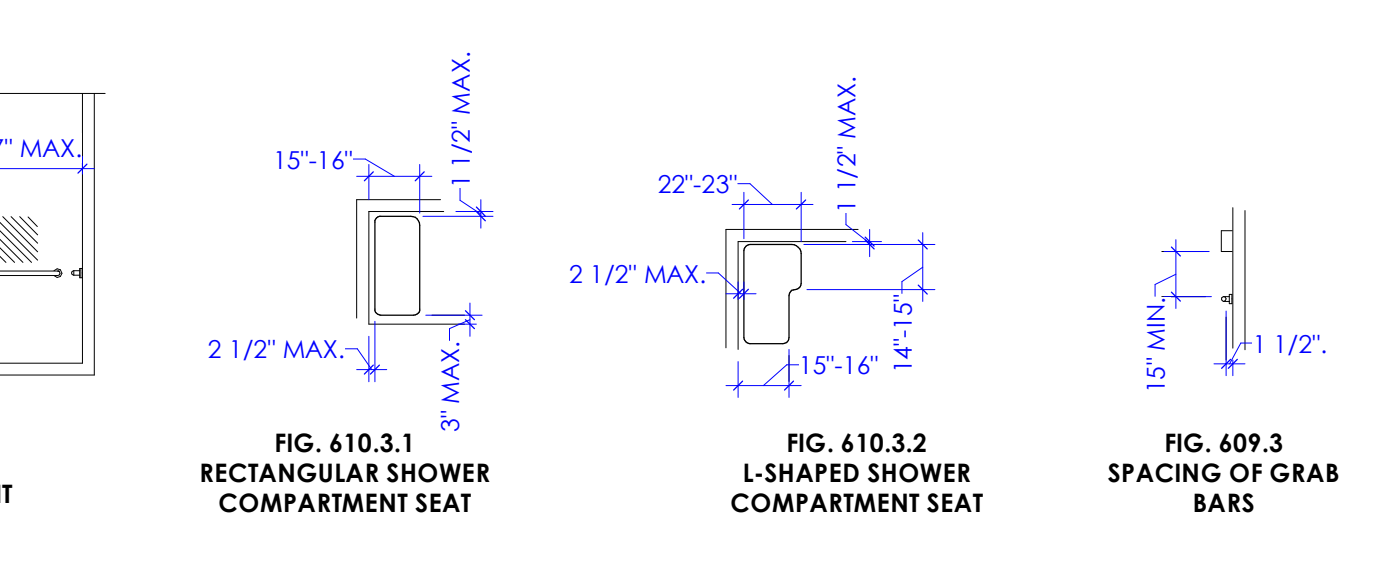
PLUMBING ELEMENTS AND FACILITIES



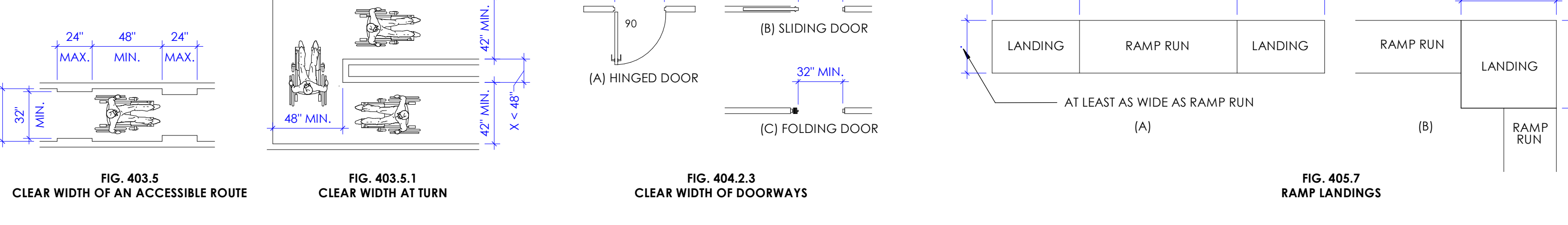
GRAB BARS IN ROLL-IN-TYPE SHOWERS



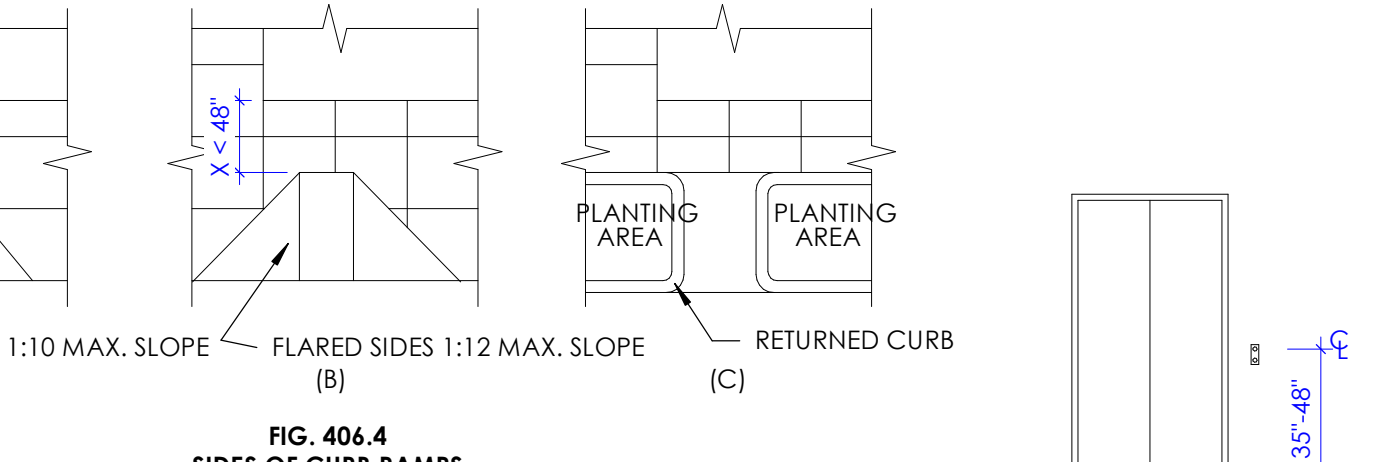
CONTROLS IN TRANSFER-TYPE SHOWERS



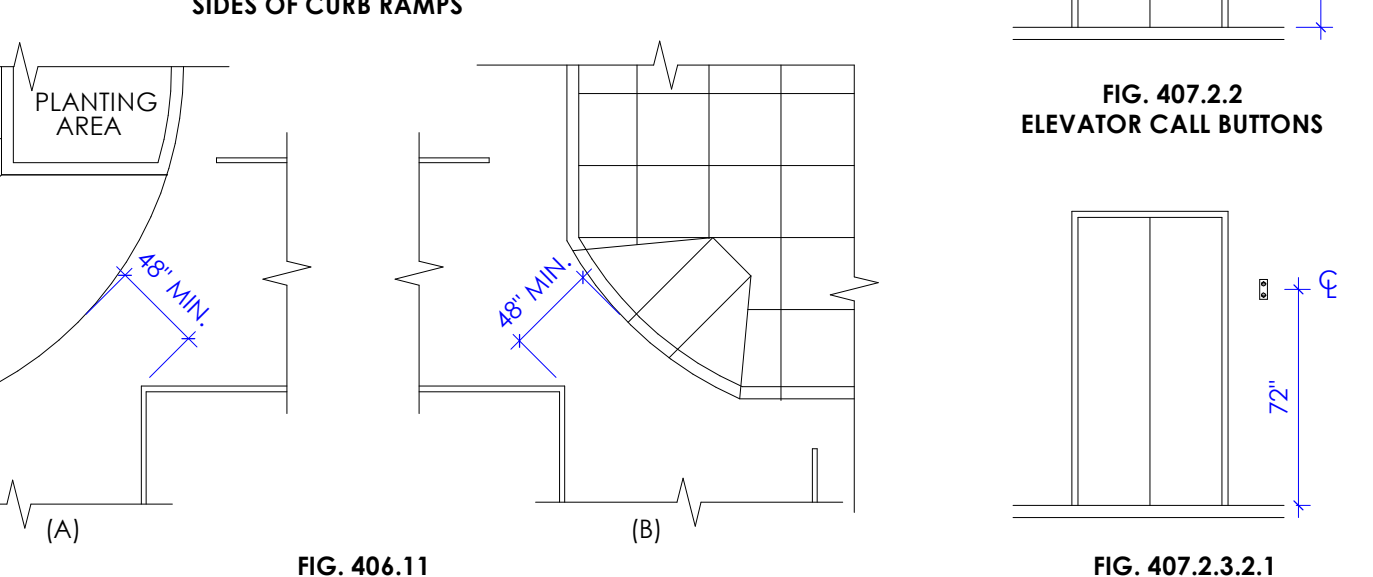
ACCESSIBLE ROUTES



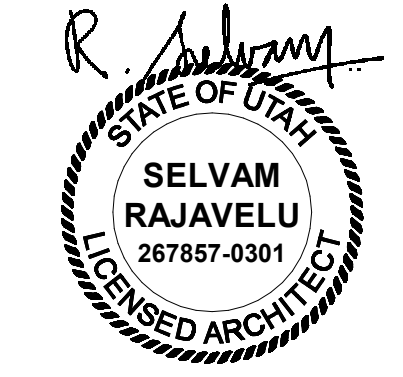
ACCESSIBLE SHOWER PLAN



RAMP EDGE PROTECTION

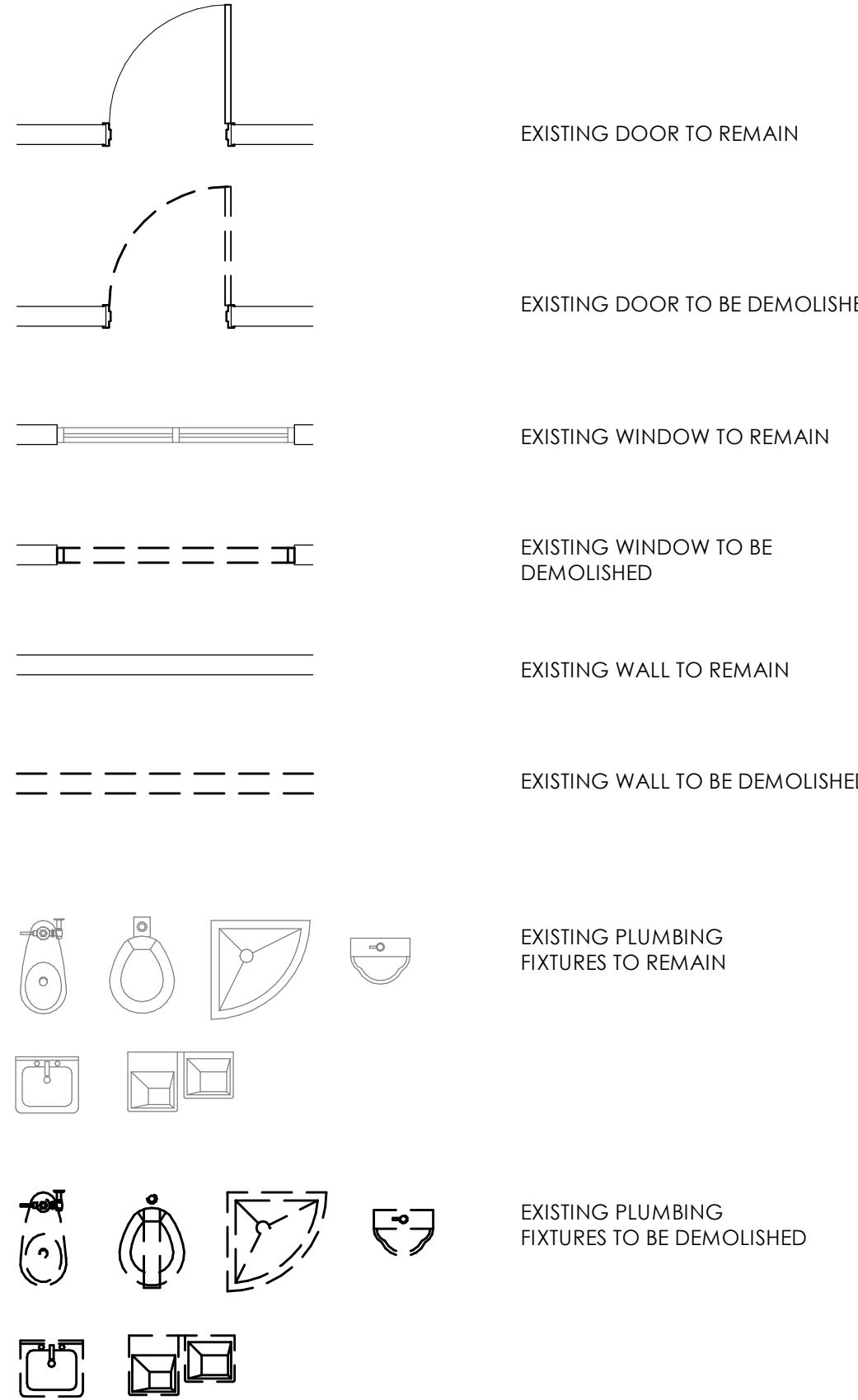


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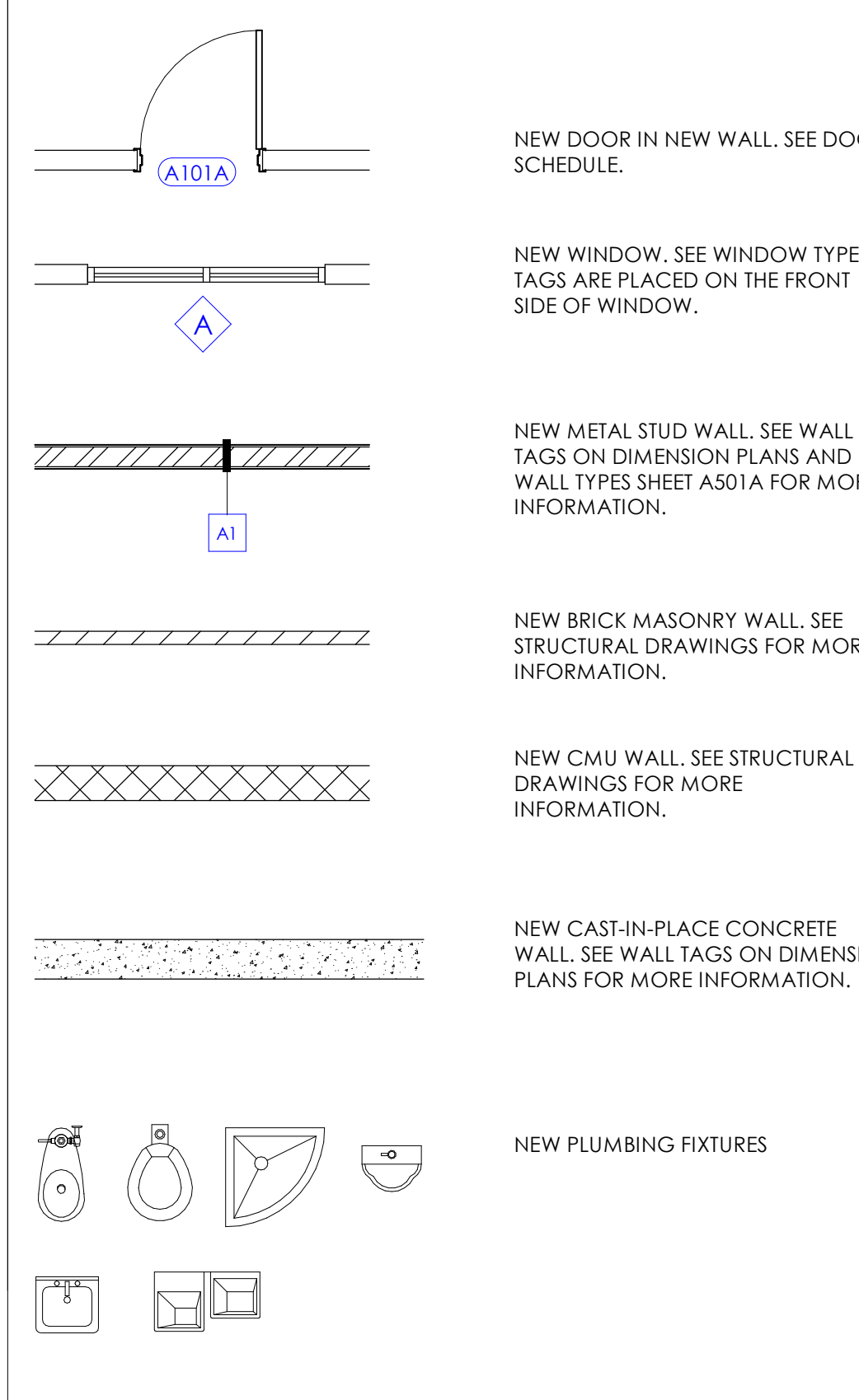
LEGEND - DEMOLITION FLOOR PLAN

BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



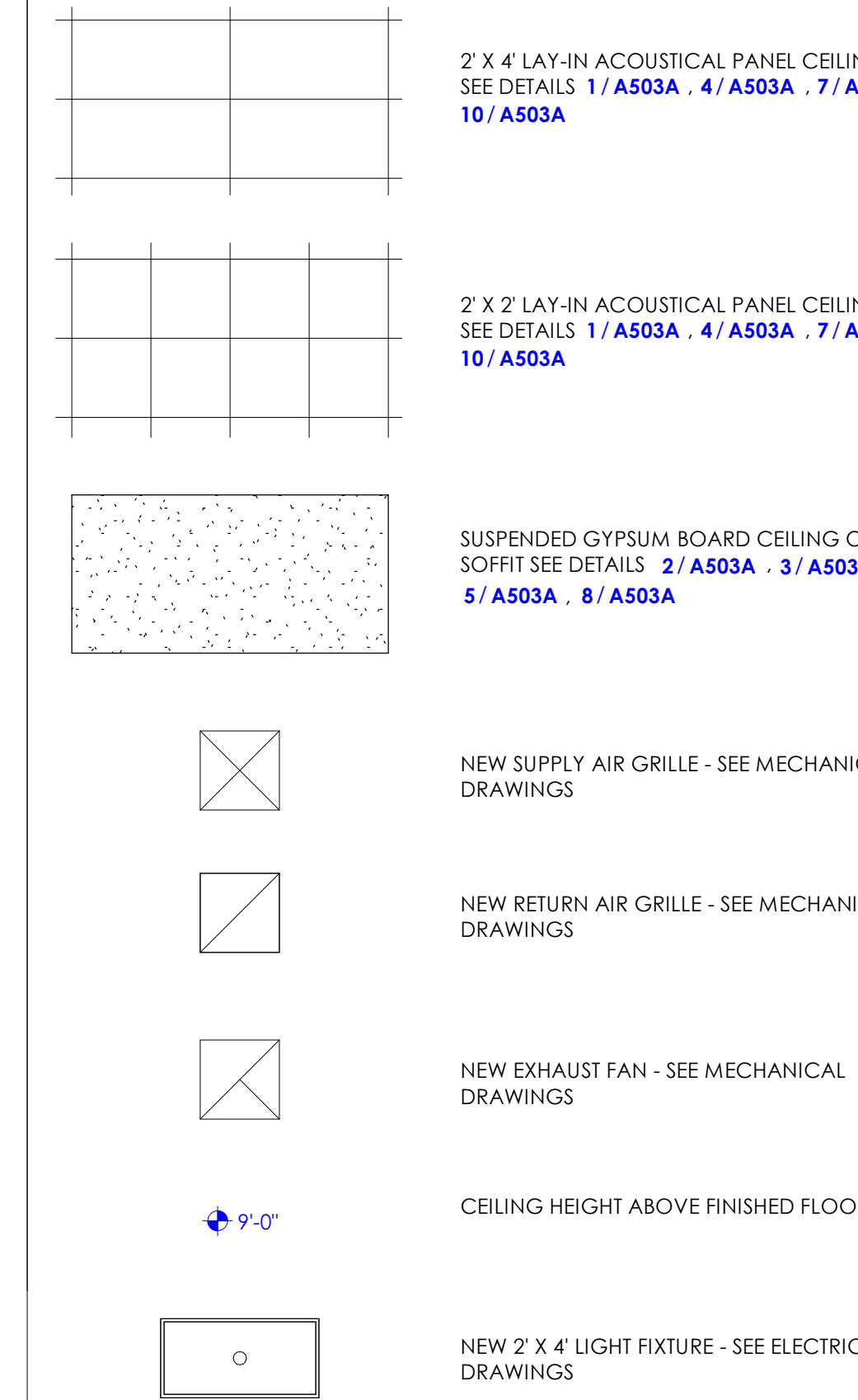
LEGEND - FLOOR & DIMENSION PLANS

BUILDING COMPONENTS (DOORS, WALLS, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



LEGEND - REFLECTED CEILING PLAN

BUILDING COMPONENTS (CEILING, LIGHT FIXTURES, ETC) INDICATED BELOW IN THIS LEGEND ARE DRAWN AT 1/4" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THE SIZE (SMALLER) ON PLANS DRAWN AT 1/8" = 1'-0" SCALE.



GENERAL NOTES

- A. STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF PRESENT) ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF MECHANICAL OR ELECTRICAL CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEERS' DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION. ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS/HER OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- B. ALL WORK SHALL COMPLY WITH THE CURRENT ADA ACCESSIBILITY GUIDELINES (AMERICANS WITH DISABILITIES ACT).
- C. REFER TO THE CODE COMPLIANCE PLAN FOR APPLICABLE CODES GOVERNING THIS WORK. CODE REQUIREMENTS AND REGULATIONS SHALL BE CONSIDERED AS MINIMUM. WHERE THE CONTRACT DOCUMENTS EXCEED (WITHOUT VIOLATING) CODE AND REGULATION REQUIREMENTS, CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. IF CONFLICT EXIST, THE MORE STRINGENT SHALL APPLY. COMPLY WITH REQUIREMENTS OF THE ADOPTED EDITIONS OF THE INTERNATIONAL CODE COUNCIL CODES, THE CODES AND STANDARDS REFERENCED WITHIN THE ICC CODES AND THE AMERICANS WITH DISABILITIES ACT.
- D. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. TEMPORARY PASSAGES SHALL BE PROVIDED AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, THE CONTRACTOR SHALL CHECK WITH THE OWNER FOR AN ACCEPTABLE ROUTE AND TIME.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION AND SIZE OF OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY THE ARCHITECT.
- F. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- G. FOR ALL REMODEL WORK AS OCCURS, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES, SYSTEM SHUTDOWNS OF HVAC, PLUMBING, ELECTRICAL, AND NOISY CONSTRUCTION INCLUDING ROTO HAMMER, SAW CUTTING, CONCRETE ANCHORS, ETC. SHALL BE COORDINATED WITH THE OWNER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT.
- H. ALL DIMENSIONS ARE SHOWN TO FACE OF GYPSUM BOARD OF NEW CONSTRUCTION OR STRUCTURAL WALL, UNLESS NOTED OTHERWISE.
- I. ALL DRAWINGS, THOUGH NOTED TO SCALE ARE FOR ILLUSTRATION ONLY. THE CONTRACTOR SHALL NOT SCALE DRAWINGS.
- J. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
- K. DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH ILL. LISTING REQUIREMENTS AND ICBO REPORTS FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE OR SUBSTITUTED MATERIAL IS ACCEPTED AS AN EQUAL BY THE GENERAL CONTRACTOR, HE/SHE WILL ASSUME THE RESPONSIBILITY FOR WHATEVER CONSTRUCTION MODIFICATION AND/OR ADDITIONAL COSTS ARE REQUIRED.
- L. ALL TRASH SHALL BE REMOVED DAILY. BUILDING MATERIALS MAY NOT BE STORED IN THE CORRIDORS AT ANY TIME. BLOCKAGE OF ANY REQUIRED EXIT IS PROHIBITED.
- M. ALL PENETRATIONS INTO SOUND OR FIRE RATED PARTITIONS, FLOORS OR CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT SEALANT. REFER TO IBC CURRENT VERSION FOR REQUIREMENTS FOR OPENINGS IN FIRE RATED WALLS. FOR OPENINGS LESS THAN 16 SQUARE INCHES, THE SPACE BETWEEN THE WALL AND ALLOWED PENETRATIONS MUST BE SEALED TO PREVENT THE MOVEMENT OF HOT FLAME OR GASES. ELECTRICAL DEVICES, RECESSED CABINETS, ETC., SHALL BE SEALED, LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE INTEGRITY OF THE ASSEMBLY. SEE PENETRATION DETAILS.
- N. ABBREVIATIONS THROUGHOUT THE PLAN ARE THOSE IN COMMON USE. THE ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION.
- O. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF WATER AND DRAIN INSTALLATIONS AND OTHER REQUIRED SERVICES WITH EQUIPMENT MANUFACTURERS.
- P. MAINTAIN ALL EXISTING SPRAY-APPLIED FIRE PROOFING ON STEEL STRUCTURAL MEMBERS, WHERE EXISTING FIRE PROOFING IS REMOVED FOR INSTALLATION OF NEW BEAMS, UNISTRUTS, ETC., THE CONTRACTOR SHALL PATCH AGAIN WITH EQUIVALENT FIRE PROOFING MATERIAL TO MATCH ADJACENT EXISTING MATERIAL.
- Q. ALL WOOD CANTS, NAILERS, CURBS, ETC., THROUGHOUT JOB SHALL BE FIRE RETARDANT PRESSURE-TREATED, AS PER I.B.C., CURRENT VERSION. SEE RELEVANT DETAILS.
- R. CONTRACTOR SHALL REFER TO THE PROJECT MANUAL FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS AND OTHER NOTES.

GENERAL NOTES - DEMOLITION FLOOR PLAN

- A. CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS INCLUDING UNDERGROUND UTILITIES AND SERVICE LINES, IRRIGATION LINES AND SUB SURFACE STRUCTURES AND ALL OTHER EXISTING CONSTRUCTION BOTH ABOVE AND BELOW GRADE.
- B. PRIOR TO REMOVAL OF EXISTING BUILDING MATERIALS INCLUDING WALLS, DOORS, WINDOWS, CEILING, ETC. INDICATED IN THE DEMOLITION PLANS, CONTRACTOR SHALL THOROUGHLY COORDINATE ARCHITECTURAL FLOOR PLANS, CEILING PLANS, FINISH SCHEDULES AND ALL CONSULTANT DRAWINGS TO DETERMINE EXACT EXTENT OF REMOVAL.
- C. COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING ITEMS SHOWN TO BE REMOVED THAT WILL BECOME PROPERTY OF THE OWNER. CAREFULLY REMOVE SUCH ITEMS SO AS NOT TO DAMAGE THEM.
- D. IN EXISTING WALLS THAT ARE NOTED TO REMAIN, ANY NAILS, SCREWS, OR OPENINGS THAT REMAIN AS A RESULT OF EXISTING EQUIPMENT REMOVAL OR WALL REMOVAL SHALL BE PATCHED WITH SMOOTH, EVEN, INVISIBLE TRANSITION. IN PLACES WHERE THE EXISTING WALL IS CUT FOR INSTALLATION OF POWER OUTLETS, SWITCH, THERMOSTAT, ETC. PATCH OPENING IN WALL WITH GYPSUM BOARD. PROVIDE SMOOTH, EVEN, INVISIBLE TRANSITION BETWEEN NEW AND EXISTING WALL FINISH.
- E. THE OWNERS STAFF WILL CONTINUE TO OCCUPY AREAS DIRECTLY ADJACENT TO THE CONSTRUCTION AREA. THE CONTRACTOR AND SUB-CONTRACTORS SHALL TAKE ALL NECESSARY MEASURES TO MINIMIZE DISRUPTION ACTIVITIES CONDUCTED BY THE OWNERS STAFF. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF NOISY ACTIVITIES, SHUT-DOWNS, AND ANY OTHER ACTIVITIES WHICH MAY DISRUPT NORMAL OPERATIONS PRIOR TO PERFORMING THE WORK.
- F. ONCE FLOORING DEMOLITION HAS OCCURRED, CLEAN AND PREPARE FLOOR TO RECEIVE NEW FLOOR COVERINGS. THIS SHALL BE COORDINATED WITH THE FINISH SCHEDULE AND MANUFACTURER OF NEW PRODUCTS FOR FLOOR PREPARATION REQUIREMENTS.
- G. ITEMS SHOWN ON THESE FLOOR PLANS FOR REMOVAL ARE BUILT-IN ITEMS, EQUIPMENT, FURNITURE, & OTHER ITEMS EXISTING IN THE SPACE THAT ARE NOT BUILT-IN SHALL BE REMOVED OR CLEARED TEMPORARILY BY THE OWNER.

GENERAL NOTES - FLOOR & DIM. PLANS

- A. REFER TO THE CODE COMPLIANCE PLANS FOR INDICATION OF FIRE RATED WALLS.
- B. AT LOCATIONS WITHOUT CEILING (ROOM IS OPEN TO STRUCTURE ABOVE), EXTEND ALL WALLS, SOFFITS, AND HEADERS (INCLUDING ALL STUD FRAMING, GYPSUM BOARD, INSULATION & CMU, WHERE APPLICABLE) TO THE METAL ROOF DECK ABOVE.
- C. WHEN FLOOR HEIGHT VARIES IN A ROOM, THE CEILING HEIGHT SHOWN IS THE HEIGHT ABOVE THE FLOOR AT THE ENTRY. UNO.
- D. SEE INTERIOR ELEVATIONS FOR TOILET AND BATHROOM ACCESSORIES (GRAB BARS, MIRRORS, DISPENSERS, ETC.).
- E. AT ALL VERTICAL EDGES OF INTERIOR CMU WALLS THAT ARE VISIBLE, USE BULLNOSE CMU BLOCKS FROM FINISHED FLOOR ELEVATION TO A HEIGHT OF 7'-4".
- F. FOR CLARITY SAKE, DIMENSIONS ARE NOT SHOWN AT THE FOLLOWING LOCATIONS:
 - a. WHERE THE FACE OF WALL COINCIDES WITH THE MAIN GRID LINE OR 4'-0" X 4'-0" SUBGRID.
 - b. WHERE THE CENTER OF WALL COINCIDES WITH THE MAIN GRID LINE OR 4'-0" X 4'-0" SUBGRID.
- G. VERIFY WITH ARCHITECT FOR DIMENSIONS NOT SHOWN.
- H. SEE STRUCTURAL DRAWINGS FOR CMU WALLS, MASONRY COLUMNS, AND MASONRY BEAMS. SEE BUILDING EXTERIOR ELEVATIONS FOR VENEER TYPES. SEE FINISH SCHEDULE FOR CMU THAT IS HONED, SCORED, SEALED, PAINTED, ETC.
- I. SEE CIVIL, FOOD SERVICE, PLUMBING, AND MECHANICAL DRAWINGS FOR FLOOR SINKS, FLOOR DRAINS, AND OPENINGS IN FLOOR SLABS AND ROOFS FOR DUCTWORK, ETC.
- J. SEE DOOR AND WINDOW SCHEDULE FOR THE REQUIRED DOOR AND WINDOW OPENING SIZES.
- K. SEE FINISH SCHEDULE AND STRUCTURAL DRAWINGS AND PROVIDE RECESS IN CONCRETE FLOOR SLAB AS REQUIRED TO ACCOMMODATE FLOOR FINISHES. CONCRETE FLOOR SLAB THAT IS ON GRADE, SHALL BE RECESSED AS REQUIRED, FOR A THICK SET MORTAR FOR CERAMIC TILE FINISH. SLOPE SHALL BE AT 1/8" PER FOOT TOWARDS THE FLOOR DRAIN. CONCRETE FLOOR SLAB, THAT IS NOT ON GRADE, NEED NOT BE RECESSED, IN SUCH LOCATION, USE THIN SET MORTAR FOR CERAMIC TILE FINISH WITH A GENTLE SLOPE TOWARDS DRAIN.
- L. ALL PENETRATIONS (PIPES, CONDUITS, JOISTS, ETC.) THROUGH FIRE RATED BARRIER WALLS SHALL BE SEALED COMPLETELY WITH FIRE RATED SEALANTS. FILL GAP BETWEEN FLUTES OF THE METAL DECK AND METAL TRACK TOP RUNNER WITH FIRE RATED SEALANTS. SEAL TIGHTLY AROUND PIPES, CONDUITS, DUCTS, ETC. THAT PENETRATES THE FIRE BARRIER WALL WITH FIRE RATED SEALANTS. APPLY SEALANT AS PER MANUFACTURER'S RECOMMENDATIONS WITH ANY ADDITIONAL MATERIAL AS REQUIRED INSTALLED AROUND PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE FIRE WALL. SEE MECHANICAL DRAWINGS FOR FIRE AND SMOKE DAMPERS.
- M. WALL CABINETS HAVE A DEPTH OF 1'-3" UNLESS NOTED OTHERWISE.
- N. ALL MASONRY MORTAR JOINTS LOCATED INSIDE THE BUILDING SHALL BE TOOLED JOINTS, UNLESS NOTED OTHERWISE. MASONRY JOINTS ON THE BUILDING EXTERIOR SIDE SHALL BE RAKED JOINTS AS INDICATED IN BUILDING EXTERIOR ELEVATIONS.
- O. SEE OVERALL FLOOR PLAN SHEETS FOR ANGLES, PIVOT POINT AND DIMENSIONS BETWEEN GRID LINES.
- P. SEE CODE COMPLIANCE FLOOR PLANS FOR LOCATION OF FIRE BARRIER, NON RATED WALLS, ETC.
- Q. SEE ENLARGED FLOOR PLANS FOR ADDITIONAL DIMENSIONS.
- R. IN SOME PROJECTS, DUE TO THE LARGE BUILDING FOOTPRINT SIZE, FLOOR PLANS ARE SPLIT AS AREAS A, B, C, ETC. AND EACH AREA IS INDICATED ON SEPARATE SHEETS. MATCH LINES INDICATE THE BOUNDARIES OF EACH AREA. WHEN CONTRACTORS ARE PREPARING BID FOR THE PROJECT, COST SHALL INCLUDE ONLY THE BUILDING ELEMENTS AND ASSOCIATED CONSTRUCTION WORK CALLED OUT WITH KEYED NOTES IN THE AREA INDICATED ON THE SHEET. KEYED NOTES INDICATED OUTSIDE THE MATCH LINE IN ADJACENT FLOOR AREAS SHALL NOT BE COUNTED FOR THAT AREA. THIS AVOIDS DUPLICATION OF BUILDING ELEMENTS AND CONSTRUCTION WORK.

GENERAL NOTES - REFLECTED CEILING PLAN

- A. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS IN CEILING. CONTRACTOR SHALL COORDINATE WITH LIGHT FIXTURES (AS INDICATED IN ELECTRICAL DRAWINGS) AND MOVE DIFFUSERS AROUND THE LIGHT FIXTURE IF THERE IS ANY CONFLICT BETWEEN THE TWO.
- B. SOME OF THE ITEMS ON CEILING INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS, MAY OR MAY NOT BE INDICATED ON ARCHITECTURAL CEILING PLANS. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE WITH ARCHITECT FOR ANY REQUIRED CLARIFICATIONS.
- C. CONTRACTOR SHALL NOT HANG CEILING TILES AND LIGHTS FROM DUCTS, FOR AREAS ABOVE THE CEILING WHERE OVERSIZE DUCTS OCCUR SEE DETAIL 1 / A503A.
- D. PAINT ALL VISIBLE EXPOSED ITEMS LIKE METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISCELLANEOUS EXPOSED STEEL STRUCTURAL COMPONENTS, HOLLOW METAL DOORS, DOOR FRAMES & WINDOW FRAMES, PAINT EXPOSED SURFACES (WITH COLORS AND ACCENT COLORS AS SELECTED BY ARCHITECT) EXCEPT WHERE NATURAL FINISH OR MATERIAL IS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS AND FIRE FINISH ITEMS.

GENERAL NOTES - WALL SECTIONS

- A. ALL EXTERIOR WALL FINISHES ARE TO BE 6" ABOVE FINISH GRADE, TYPICAL.
- B. SEE WINDOW SCHEDULE FOR WINDOW OPENINGS AND SILL HEIGHT (UNLESS NOTED ON THE EXTERIOR ELEVATIONS). SEE DOOR SCHEDULE FOR DOOR OPENING SIZES.
- C. ALL FINISHES TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AND PER SPECIFICATION SECTION IN THE PROJECT MANUAL.
- D. SEE FINISH FLOOR PLANS FOR AREAS WHERE HONED CMU BLOCKS ARE INDICATED. AT THESE AREAS, THE CONTRACTOR HAS THE OPTION OF USING REGULAR BLOCK IN CONCEALED AREAS AND CEILING SPACES THAT ARE NOT VISIBLE.
- E. SPACING BETWEEN STRUCTURAL MEMBERS SHALL FOLLOW INDICATIONS GIVEN ON STRUCTURAL PLANS (TYPICAL).
- F. FIRE PROTECTION ON ASSEMBLIES, ELEMENTS AND MEMBERS SHALL COMPLY WITH ALL THE CODE REQUIREMENTS, TYPICAL. REFER TO CODE COMPLIANCE PLANS.
- G. WOOD MATERIAL UNDER TYPE IIB CONSTRUCTION SHALL BE FIRE-RETARDANT, PRESSURE-TREATED, TYPICAL. UNO.
- H. ALL INTERIOR WALLS SHALL BE BUILT FOLLOWING WALL TYPE DETAILS, TYPICAL.
- I. IN ROOMS/AREAS WHERE HONED, SCORED OR COLORED CMU BLOCKS ARE INDICATED FOR WALLS IN THE FINISH SCHEDULE, CONTRACTOR HAS THE OPTION OF USING REGULAR (LESS EXPENSIVE NATURAL GRAY COLOR) BLOCKS IN CONCEALED AREAS AND CEILING SPACES THAT ARE NOT VISIBLE. THIS DOES NOT APPLY TO AREAS THAT CAN CHANGE OVER THE LIFE OF THE BUILDING SUCH AS WALL LOCATED BEHIND CABINETS, ARTWORK, WHITE BOARD, TACK BOARD, ETC. WHEN OTHER BLOCKS ARE SUBSTITUTED, THE STRUCTURAL INTEGRITY OF THE BLOCK SHALL REMAIN THE SAME AS BLOCK INDICATED IN STRUCTURAL DRAWINGS AND SPECIFICATION SECTION IN THE PROJECT MANUAL.
- J. AT INTERIOR MASONRY WALL OUTSIDE CORNERS, PROVIDE BULL NOSE BLOCK.
- K. CORE DRILLING WALLS AND SLABS: CONTRACTOR SHALL USE GROUND PENETRATING RADAR OR OTHER APPROVED METHOD TO SCAN CONCRETE OVER METAL DECK. CONCRETE SUSPENDED SLABS, MASONRY WALLS, AND CONCRETE WALLS TO LOCATE REBAR PRIOR TO CORE DRILLING ANY HOLES. HOLES SHALL BE LOCATED TO AVOID REBAR DETECTED. ALL OPENINGS AND GROUPS OF OPENINGS SHALL BE REINFORCED AS SHOWN ON THE STRUCTURAL DRAWINGS. OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO DRILLING.

GENERAL NOTES - DOOR SCHEDULE

- A. SEE PROJECT MANUAL FOR DOOR HARDWARE SCHEDULE.
- B. SUB-CONTRACTOR UNDER SECTION 'ALUMINUM ENTRANCES AND STOREFRONT', SHALL PROVIDE ALL THE DOOR HARDWARE FOR ALL ALUMINUM DOORS. SEE DOOR SCHEDULE FOR ALUMINUM DOORS AND THE REQUIRED HARDWARE.
- C. SUB-CONTRACTOR UNDER SECTION 'DOOR HARDWARE', SHALL PROVIDE ALL THE DOOR HARDWARE FOR ALL THE WOOD AND HOLLOW METAL DOORS. SEE DOOR SCHEDULE FOR WOOD AND HOLLOW METAL DOORS AND THE REQUIRED HARDWARE.
- D. ALL EXTERIOR DOORS SHALL BE INSULATED.
- E. FIELD VERIFY WINDOW AND DOOR FRAME OPENING SIZES BEFORE FRAME INSTALLATION. OVERALL DIMENSIONS INDICATED FOR EACH FRAME TYPE ARE ROUGH OPENING SIZES IN WALLS. CONTRACTOR SHALL ADJUST INNER DIMENSIONS AS REQUIRED TO MAKE DOORS AND WINDOWS WORK.
- F. ELECTRICAL DEVICES SUCH AS MAG. LOCKS, CARD READERS AND ALARM SYSTEMS BEING PART OF THE DOOR FUNCTION ARE INCLUDED AS PART OF THE ELECTRICAL PLANS AND THE HARDWARE GROUPS. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATIONS OF CARD READERS ETC. SHOWN ON ARCHITECTURAL AND ELECTRICAL DRAWINGS WITH ALL TRADES INVOLVED.
- G. COORDINATE DOORS & GATES OUTSIDE BUILDING WITH SITE PLAN.

GENERAL NOTES - INTERIOR ELEVATIONS

- A. PROVIDE LOCKS FOR CABINETS AS INDICATED ON THE CABINET LEGEND ON SHEET A505A AND IF INDICATED ON INTERIOR ELEVATIONS.
- B. IN ROOMS WHERE CABINETS ARE REQUIRED TO BE LOCKED, PROVIDE LOCKS OPERABLE WITH SINGLE KEY.
- C. FOR TYPICAL MOUNTING HEIGHTS, SEE SHEET G003. FOLLOW THE HEIGHT UNLESS NOTED OTHERWISE IN INTERIOR ELEVATIONS. VERIFY WITH ARCHITECT FOR ITEMS NOT INDICATED.
- D. CONTRACTOR SHALL VERIFY WITH OWNER FOR OWNER FURNISHED CONTRACTOR INSTALLED ITEMS AND PROVIDE BACKING IN WALL AS REQUIRED FOR INSTALLATION.
- E. INTERIOR ELEVATIONS OF CERTAIN ROOMS ARE NOT DRAWN AND ARE NOTED AS SIMILAR ELEVATIONS OF ROOMS THAT ARE INDICATED IN THE DRAWINGS.
- F. CONTRACTOR SHALL PROVIDE FILLER PANELS (PLASTIC LAMINATE WRAPPED OVER 5/8" PARTICLE BOARD) WHEREVER GAP OCCURS BETWEEN CABINETS AND WALL.
- G. SEE FINISH FLOOR PLANS AND FINISH SCHEDULE A603A FOR WALL, CABINET AND COUNTERTOP FINISHES.
- H. SEE SHEET A505A FOR CABINET LEGEND (TYPES B1, W1, T1, ETC.), UNLESS NOTED OTHERWISE. ALL THE CABINETS AND COUNTERTOPS IN EACH ROOM SHALL BE OF THE SAME FINISH (PL, PL2, SS1, ETC.) AS INDICATED ON THE INTERIOR ELEVATION OF EACH ROOM, WHERE MULTIPLE FINISHES ARE REQUIRED FOR CABINETS, WALLS, ETC. IN THE ROOM, EACH FINISH IS INDICATED SEPARATELY. CONTACT ARCHITECT FOR REQUIRED CLARIFICATIONS.
- I. COUNTERTOPS ARE TYPICALLY SUPPORTED BY WALLS AND BASE CABINETS. IN PLACES WHERE COUNTERTOP SPAN EXCEEDS 4'-0", STEEL SUPPORTS SHALL BE PROVIDED AS INDICATED IN DETAILS - / - - - AND 6 / A505B.
- J. AS INDICATED ON INTERIOR ELEVATIONS, WALL CABINETS AT CERTAIN LOCATIONS MAY REQUIRE A VERTICAL OR A SLOPED FASCIA PANEL.
- K. AN ENLARGED FLOOR PLAN HAS BEEN INCLUDED ALONG WITH INTERIOR ELEVATIONS FOR ROOMS THAT ARE COMPLEX IN DESIGN. SUCH COMPLEX ROOMS ARE INDICATED ON THE A400 SERIES SHEETS (STARTING WITH SHEET A401). ENLARGED FLOOR PLANS ARE NOT SHOWN FOR ROOMS THAT ARE SIMPLE IN DESIGN. INTERIOR ELEVATIONS OF SUCH SIMPLE ROOMS ARE INDICATED ON THE A250 SERIES SHEETS (STARTING WITH SHEET A251).
- L. FOR ALL CABINETS PROVIDE BACKING IN WALL AS PER DETAIL 3/A505B.

Intermountain Health
 Layton Hospital
 Brachytherapy
 201 W. Layton Parkway
 Layton, UT 84041

CODE REVIEW

APPLICABLE CODES			
International Existing Building Code (IEBC)	2021		
International Fire Code (IFC)	2021		
International Mechanical Code (IMC)	2021		
International Plumbing Code (IPC)	2021		
ANSI/ASHRAE/IES Standards 90.1	2010		
National Electric Code (NEC)	2020		
NFPA 101	2018		
ANSI 117.1	2009		
OCCUPANCY:	I-2 (Hospital)		
CONSTRUCTION TYPE:	Type I-A (Exist.)		
OTHER CODE REQUIREMENTS			
Travel Distance:	200 Feet (I-2)		
Common Path of Travel:	75 Feet (I-2)		
Minimum Corridor Width:	8 Feet (I-2)		
Roof Covering Classification:	A		
AUTOMATICALLY SPRINKLED			
Building is equipped with an automatic fire extinguishing sprinkler system.			
OCCUPANT LOADS:		100 Sq. Ft. Gross per Occupant	
Business:			4 Occupants
Total Occupant Load (Per Code):			
Level 1 Remodel Area (Total):	371 SF.		
FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 6011)(Exit)			
Structural Frame:	Required	Provided	
	3	3	
Bearing Walls:			
Exterior:	3	3	
Interior:	3	3	
Non-Bearing Walls:			
Exterior:	0	0	
Interior:	0	0	
Floor Construction:	2	2	
Roof Construction:	1 1/2	1 1/2	

Contractor is required to maintain fire proofing of the existing structural steel where occurs during construction. Patch and repair to original condition if damaged during construction.

LEGEND - CODE COMPLIANCE PLAN

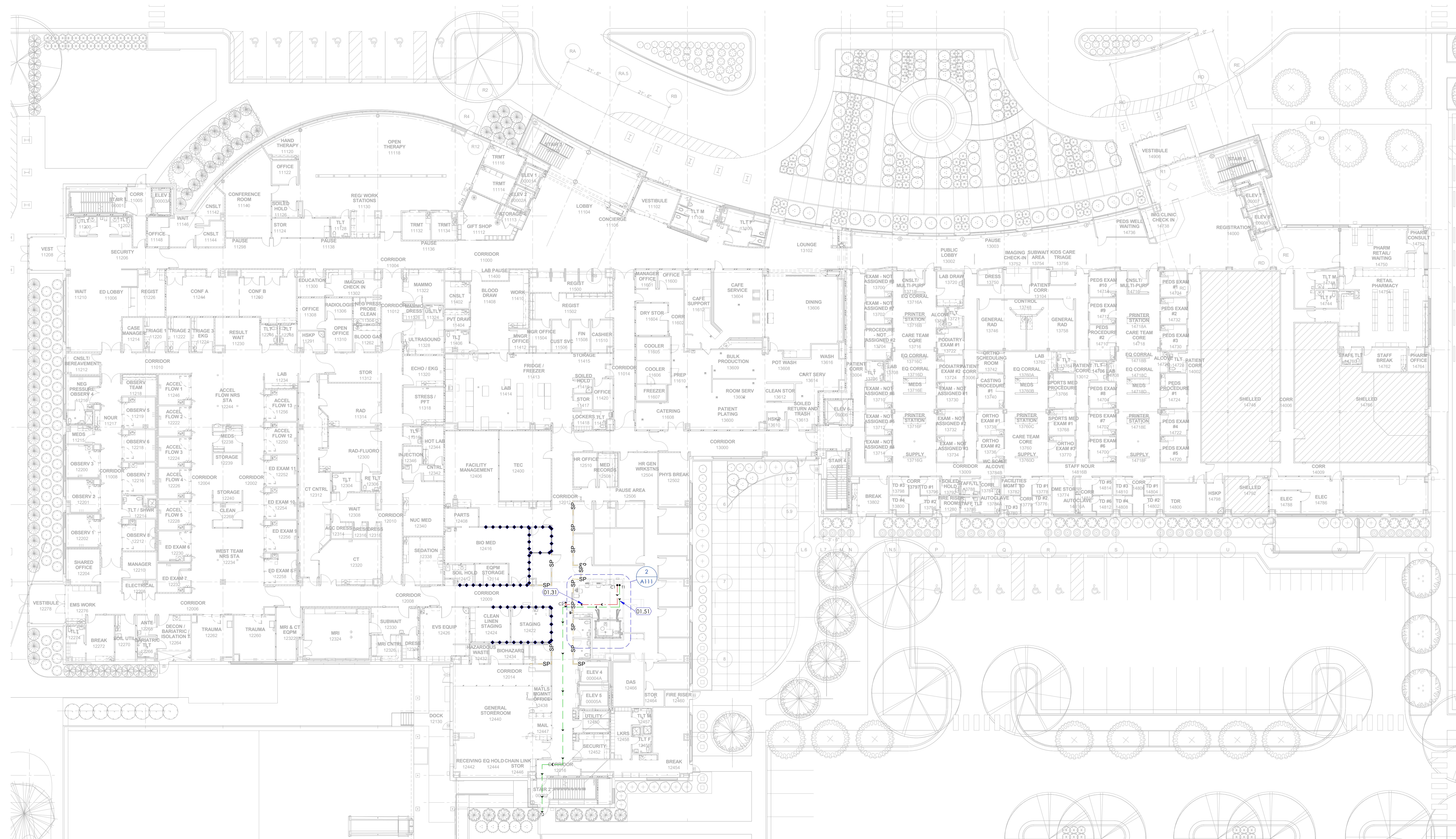
SYMBOL	DESCRIPTION	FIRE RESISTANCE RATING	DOOR FIRE RATING	WINDOW FIRE RATING
	COMMON PATH OF TRAVEL	N/A	N/A	N/A
	TRAVEL DISTANCE	N/A	N/A	N/A
	OCCUPANT LOAD	N/A	N/A	N/A
	SMOKE PARTITION WALL	0 HOUR	SMOKE	SMOKE
	SMOKE BARRIER WALL	1 HOUR	1/3 HOUR	1/3 HOUR
	1 HOUR FIRE RATED WALL	1 HOUR	3/4 HOUR	3/4 HOUR
	2 HOUR FIRE RATED WALL	2 HOUR	1-1/2 HOUR	1-1/2 HOUR

KEYED NOTES

- 01.31 LINE AND ARROW INDICATES 'COMMON PATH OF TRAVEL' DIRECTION AND DISTANCE OF 27' - 6" BETWEEN POINTS C1 AND C2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 75'.
- 01.51 LINE AND ARROW INDICATES 'TRAVEL DISTANCE' OF 118' BETWEEN POINTS T1 AND T2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 200'.

NJRA ARCHITECTS

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1 Code Compliance Floor Plan Level 1 - Overall
SCALE: 1/16" = 1'-0"

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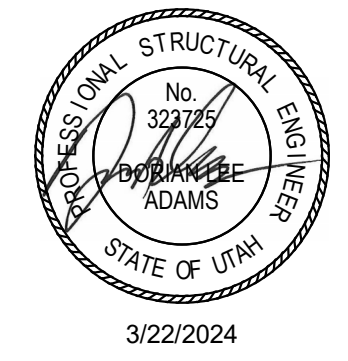
201 W Layton Parkway
Layton, UT 84041

NJRA Project # 23242.00
Construction Documents March 22, 2024

Code Compliance Plan Level 1 - Overall
G111

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GENERAL
STRUCTURAL
NOTES

S-001

1. Design Criteria

- Governing Building Code: 2021 International Building Code (IBC)
A. Risk Category: IV
- Earthquake
A. Seismic Design Category: D
B. Spectral Response Acceleration, S_a : 0.607
C. Analysis Procedure: ASCE 7 Chapter 13 - Seismic Design Requirements for Nonstructural Components
D. Component Importance Factor, I_p : 1.5
E. Seismic Coefficients for Structural Components: Medical Equipment
 $R_b = 1$ $R_c = 2.5$ $R_s = 2$
- Foundation
A. Presumptive Load-bearing value from 2021 IBC Table 1806.2 for clayey/silty soil.
B. Soil Bearing Pressure: 1500 psf on suitable natural soils or compacted fill extending down to suitable natural soils

2. Earthwork

- Vibro-plate compaction: The natural undisturbed soil below all slabs shall be vibro-plate compacted prior to placing concrete. Remove all soft spots and replace with compacted structural fill.
- Compacted structural fill: Structural fill shall be provided at all soft spots down to suitable natural undisturbed soils. All fill material shall be a well-graded granular material with a maximum size less than 4 inches and with not more than 10 percent passing a No. 200 sieve. It shall be compacted to 95 percent of the maximum laboratory density as determined by ASTM D1557.
- Compacted Granular fill (below floor slab): All fill material shall be a well-graded, non-expansive, granular soil with a maximum size less than 2 inches and with no more than 5 percent passing a No. 200 sieve. It shall be compacted to 90 percent of the maximum laboratory density as determined by ASTM D1557.
- All fill shall be tested (See the Quality Assurance section of the GSN).
- It shall be the responsibility of the Contractor to brace and shore excavations as required.

3. Concrete

- Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-14, "Building Code Requirements for Structural Concrete."
A. Concrete mix design requirements shall be as follows:

Location	f_c at 28 days (psi)	Max W/C Ratio	Air Content (%)	Max Aggregate Size (in)	Exposure Classes*
Interior Slabs on Grade	4500	0.45	1	F0	S0 C0

 *Exposure Classes are per ACI 318, Section 19.3.1.1, where F, S and C are exposure categories for freezing and thawing, sulfate, and corrosion protection of reinforcement, respectively.
 B. Cementitious Materials:
 1. Portland Cement (ASTM C150):
 a. Type I or II for exposure class S0.
 2. Fly Ash (ASTM C618, Class C or F): maximum fly ash content as a percentage of total weight of cementitious materials shall be 25 percent.
 C. Concrete Density (Maximum Air Dry Weight):
 1. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate shall be ASTM C33.
 D. Steel Reinforcement:
 1. ASTM #15 Grade 60, $f_y = 60,000$ psi min. unless noted otherwise.
 E. Admixtures:
 1. Air-entraining admixtures, comply with ASTM C 260 (when used).
 a. Tolerance on air content as delivered shall be $\pm 1.5\%$.
 b. When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.
 2. The use of super plasticizers and water reducers is allowed, but not required.
 3. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.
 F. Chloride Ion: Maximum water soluble chloride ion concentrations in hardened concrete at age between 28 and 42 days contributed from the ingredients including water, aggregates, cementitious materials, and admixtures shall not exceed a maximum, by weight of cement, of 1.00% for concrete with exposure class C0, 0.30% for concrete with exposure class C1.
 G. Slump Limit: 4 inches, maximum for all concrete prior to the addition of plasticizers and water reducing admixtures. The concrete supplier shall indicate the final slump of each concrete mix in the submitted mix design.
 H. Shrinkage Limit: Interior slabs on grade shall have a drying shrinkage limit of 0.040 percent tested in accordance with ASTM C157. Drying shrinkage test results shall be submitted with mix designs.
 I. Only one grade or type of concrete shall be poured on the site at any given time.
 3.2. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The Contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.
 3.3. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Structural Concrete".
 A. Cast-in-place Concrete: Specified Cover
 1. Cast against and permanently exposed to earth: 3"
 2. Concrete not exposed to weather or in contact with ground: 1.5"
 Hairpin Ties: 3/4"
 3.4. Detailing: All reinforcing shall be detailed, bolted & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
 A. All reinforcing shall be developed as indicated in the drawings or upon approval of the Engineer of Record.
 B. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars prior to placing concrete.
 C. Contractor shall coordinate placement of all openings, sleeves, conduits, inserts and other embedded items prior to concrete placement.
 D. All reinforcement shall be bent cold, and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the Engineer.
 3.5. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

4. Special Instructions

- The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.
- The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to the attention of the Architect before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the Owner. Any work done by the Contractor after discovery of such discrepancy shall be done at the Contractor's risk.
- The structural drawings shall be used in conjunction with the architectural drawings. Primary structural elements and overall structural layout are indicated within the structural plans and details. Some secondary elements, architectural layouts, alcoves, elevations, slopes, depressions, curbs, mechanical equipment and electrical equipment, are not indicated within the structural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.
- Existing conditions
 A. The contract structural drawings represent the reconfigured structure and do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.
 B. The Contractor is responsible for being knowledgeable on information presented in available new or existing drawings and shall field verify all relevant information. Information available in existing drawings may be incomplete. Contractor shall familiarize themselves with information available in the existing and new drawings, and shall field verify all pertinent information.
 C. Contractor shall field verify all existing conditions prior to performing any work, including but not limited to: bidding and estimating, shoring, detailing, fabricating, manufacturing, erecting, or installing any given structural element indicated in the contract drawings.
 D. Information on existing conditions provided in the contract drawings are based on information gathered from existing drawings. If conditions shown do not match existing conditions contact the Architect/Engineer prior to performing any work. Do not proceed until instructions in writing are provided by the Architect/Engineer.
 E. Dimensional information provided in the contract drawings on existing conditions are for general information and reference purposes only, and shall not be used for detailing and construction.
 F. Contractor shall provide dust, odor, and noise protection, and safety measures as necessary to protect the existing structure, vehicles, building interior, building patrons and other persons for the duration of demolition and construction operations.
 G. Contractor shall refer to existing drawings of the existing facility to verify:
 a. Structural member sizes and locations, slab thickness
 b. Location of previous additions, alterations, or repairs performed at the facility
 c. Location of expansion joint systems
 d. Location of interior architectural items
 H. Demolition of existing conditions
 1. Demolition, cutting, drilling, etc. work shall be performed as to not damage existing structure that is to remain and shall not jeopardize the structural integrity of the existing building. If any architectural, structural, or MEP members not designated for removal interfere with the new work, the Owner, Architect, and Engineer shall be notified immediately and approval obtained prior to their removal.
 2. Contractor shall coordinate location, number and sizes of openings through existing roofs, and walls for air shafts, ducts, piping, and/or conduit with the Architectural, Mechanical, Electrical, Plumbing, and Fire Protection drawings and the respective subcontractors.
 I. Contractor shall repair all damage caused during construction or demolition. All damage shall be repaired and restored with similar materials and workmanship to levels acceptable to the Owner.

- Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the Contractor of the responsibility of completing the project according to the contract documents. The General Contractor shall review and mark all shop drawings prior to submitting them to the Architect for review. Shop Drawings made from reproductions of (these) contract drawings will be rejected.
- Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the General Contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the General Contractor. It is the Contractor's obligation to provide all items necessary for the chosen procedure.
- Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, Contractor shall notify Architect/Engineer prior to fabrication or construction within that area.
- Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the Contractor or subcontractors for preparation of shop drawings or other submittals.

5. Quality Assurance

- Quality Assurance Agency Requirements:
 A. The Owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project. The QAA shall provide all information necessary for the building official to determine that the agency meets the applicable requirements.
 1. The QAA shall be objective, competent and independent from the Contractor responsible for the work being inspected. The agency shall disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.
 2. The QAA shall have adequate equipment to perform required tests. The equipment shall be periodically calibrated.
 3. The QAA shall employ experienced personnel educated in conducting, supervising and evaluating tests and special inspections. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities.
 4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer and Contractor. Reports shall indicate that the work inspected was or was not completed in conformance to the approved construction documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the Architect and Engineer.
 5. The QAA shall submit a final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests. The final report shall be distributed to the building official, Owner, Architect and Engineer in a timely manner prior to the completion of the project.
 B. Notification of QAA: The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.
- Contractor Responsibilities:
 A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work on the systems or components listed in the statement of special inspections.
 B. The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.
- Structural Observations by the Engineer of Record:
 A. The Engineer of Record will perform structural observations at a critical phase of the project. Copies of the Engineer's report will be distributed to the Architect, Contractor, Owner, and QAA.
 B. The contractor shall notify the Structural Engineer at least 24 hours in advance before placing any concrete.
 C. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.

6. Statement of Special Inspections

- The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).
- For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases, periodic inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. Frequency marked with (E) designates periodic inspections that must be performed prior to or upon completion of every task.

Concrete Construction per IBC Sections 1705.3 & 1705.12

Item	Frequency	Detailed Instructions
Reinforcing steel	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that lap lengths are provided; and that minimum clear spacing between bars at lap splices are maintained.
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents, ACI 318, Ch. 19, 26.4.3-26.4.4, and IBC 1904.1, 1908.2, 1908.3.
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C39 by a testing agency complying with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd ³ of concrete. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Concrete placement	Continuous	
Curing temperature and techniques	Periodic	Verify that the ambient temperature for concrete is kept at > 50°F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 26.4.7-26.4.9). All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.

Soils per IBC Section 1705.6

Item	Frequency	Detailed Instructions
Verify excavations extend to proper depth and material	Periodic	Prior to placement of compacted fill or concrete.
Verify that subgrade has been appropriately prepared prior to placing compacted fill	Periodic	Prior to placement of compacted fill.
Perform classification and testing of compacted fill materials	Periodic	All materials shall be checked at each lift for proper classifications and gradations not less than once for each 10,000ft ² of surface area.

ABBREVIATIONS

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

ABBREVIATIONS

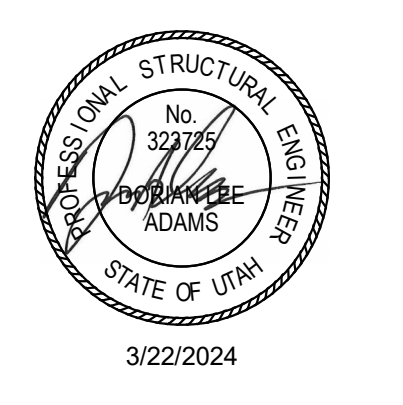
- PSF POUNDS/SQ FOOT
- PSI POUNDS/SQ INCH
- R.D. ROOF DRAIN
- REINF REINFORCING
- REQD REQUIRED
- SOS SELF-DRILLING SCREW
- SFRS SEISMIC FORCE RESISTING SYSTEM
- SHT SHEET
- SI SPECIAL INSPECTION (SP. INSP.)
- SIM SIMILAR
- SOG SLAB ON GRADE
- SQ SQUARE
- STAG STAGGERED
- STD STANDARD
- STIFF STIFFENER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

PLAN MARKS

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

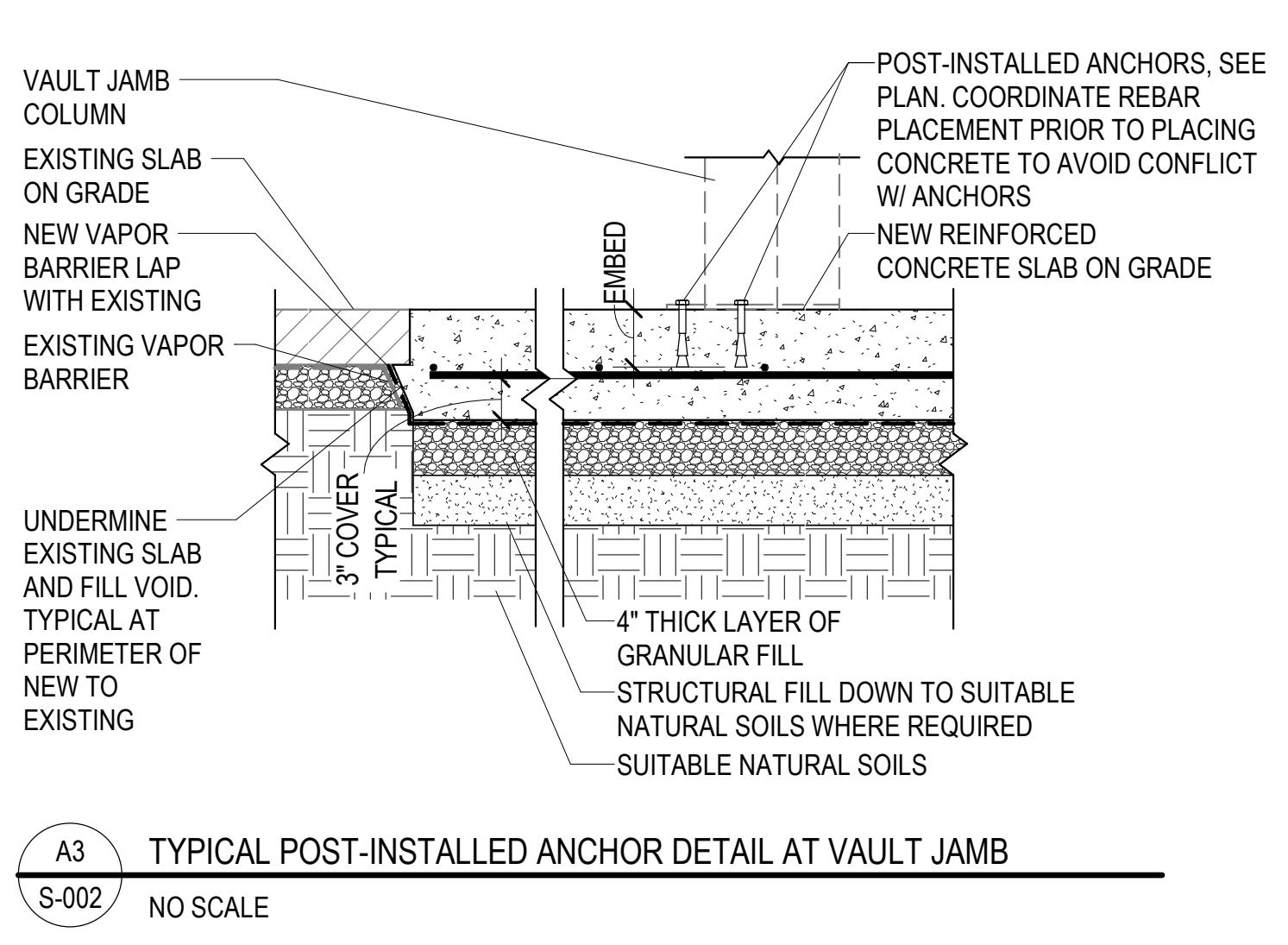
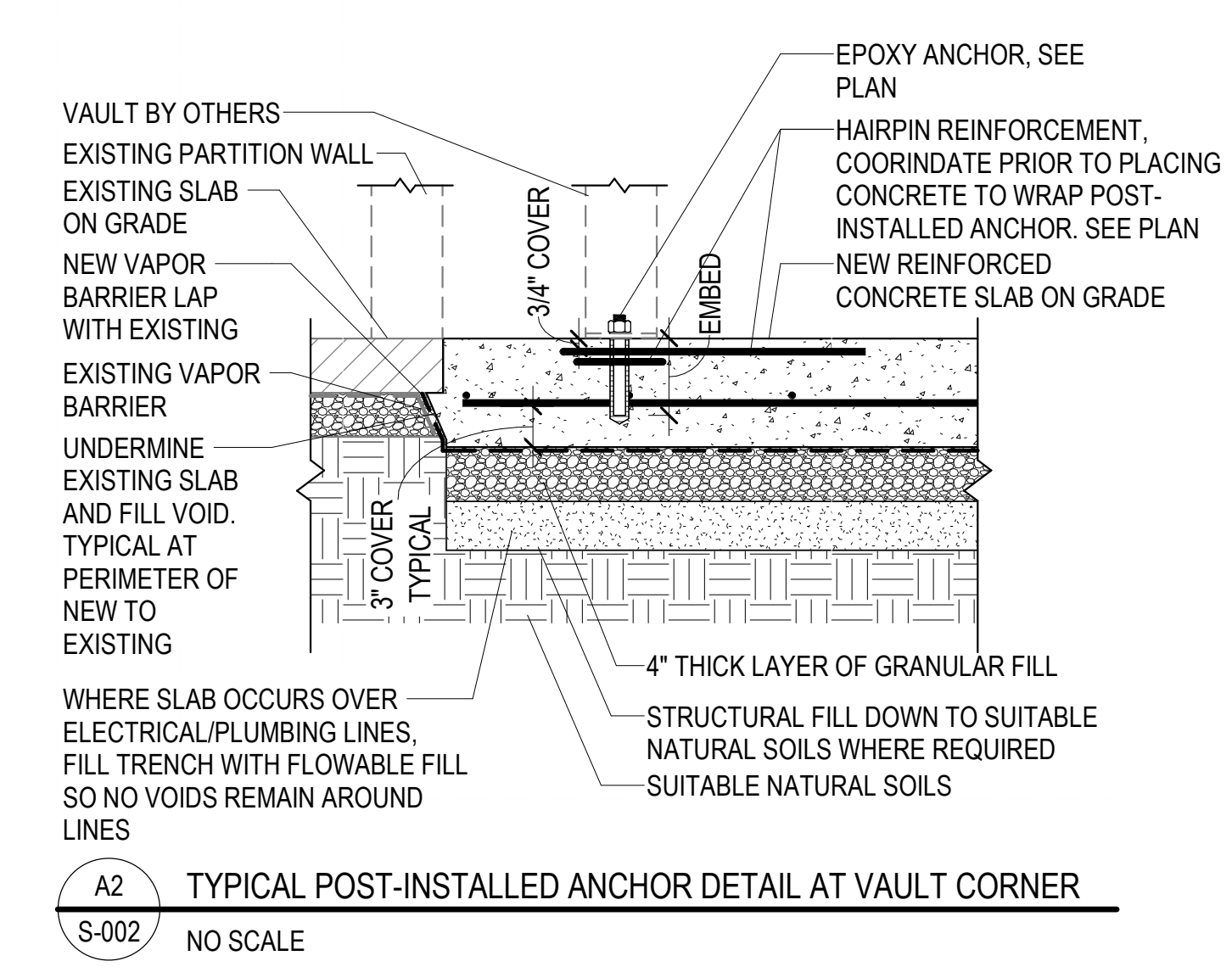
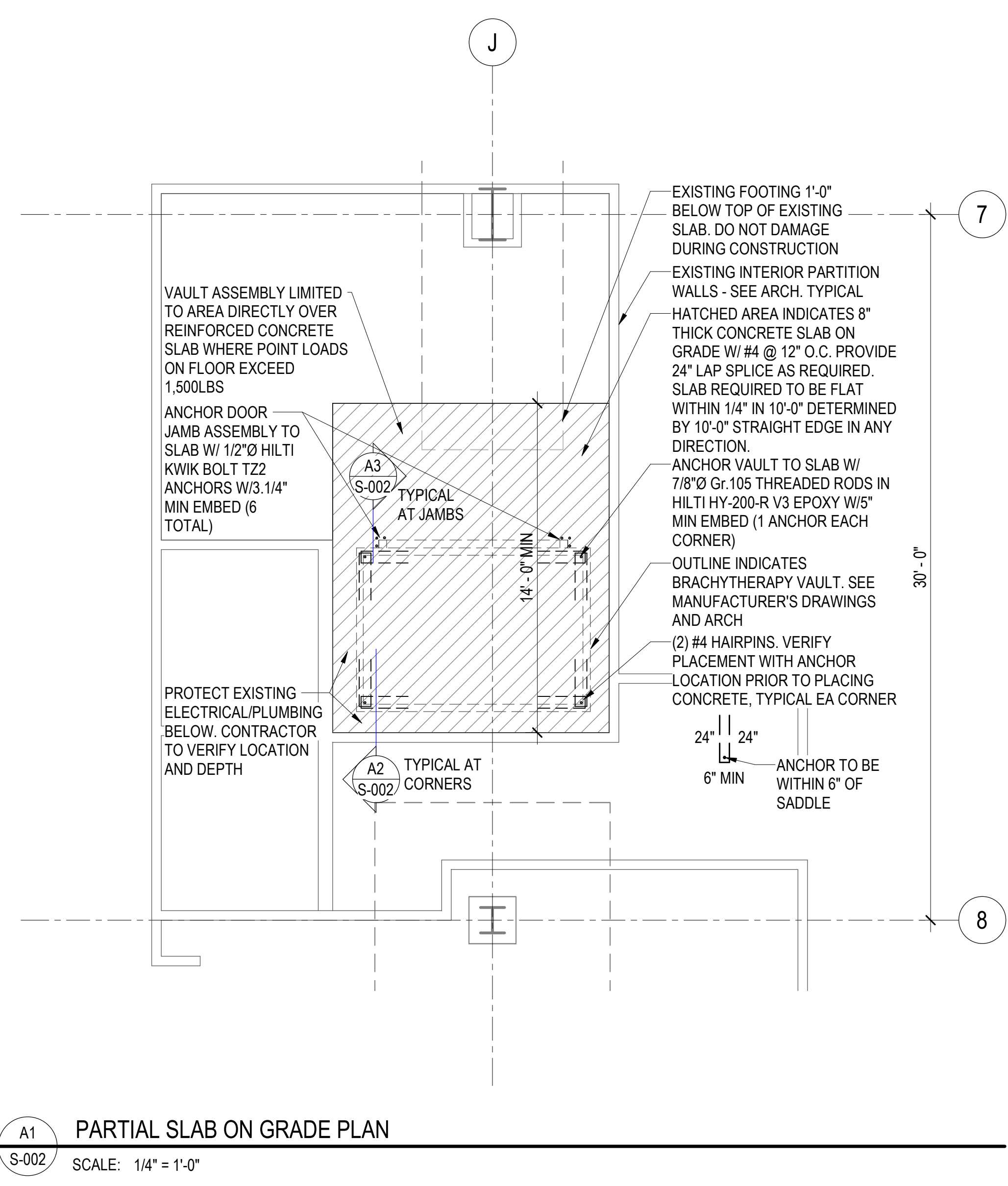
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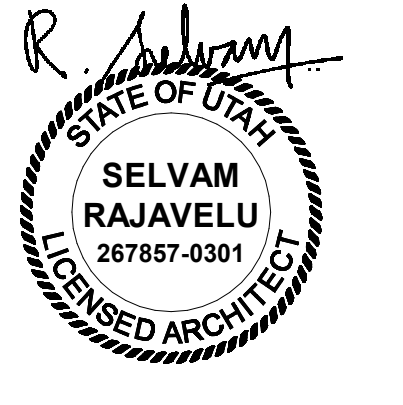
SHT NO.	SHT NAME
S-001	GENERAL STRUCTURAL NOTES
S-002	LEVEL 1 PARTIAL PLAN & DETAILS



PLAN LEGEND	
	SPECIAL SLAB
	EXISTING FOOTING - SQUARE, RECTANGULAR, OR MAT
	EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL
	EXISTING OPENING THROUGH CONCRETE WALL
	EXISTING STEEL COLUMN - WIDE FLANGE

EXISTING BUILDING NOTES	
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.	



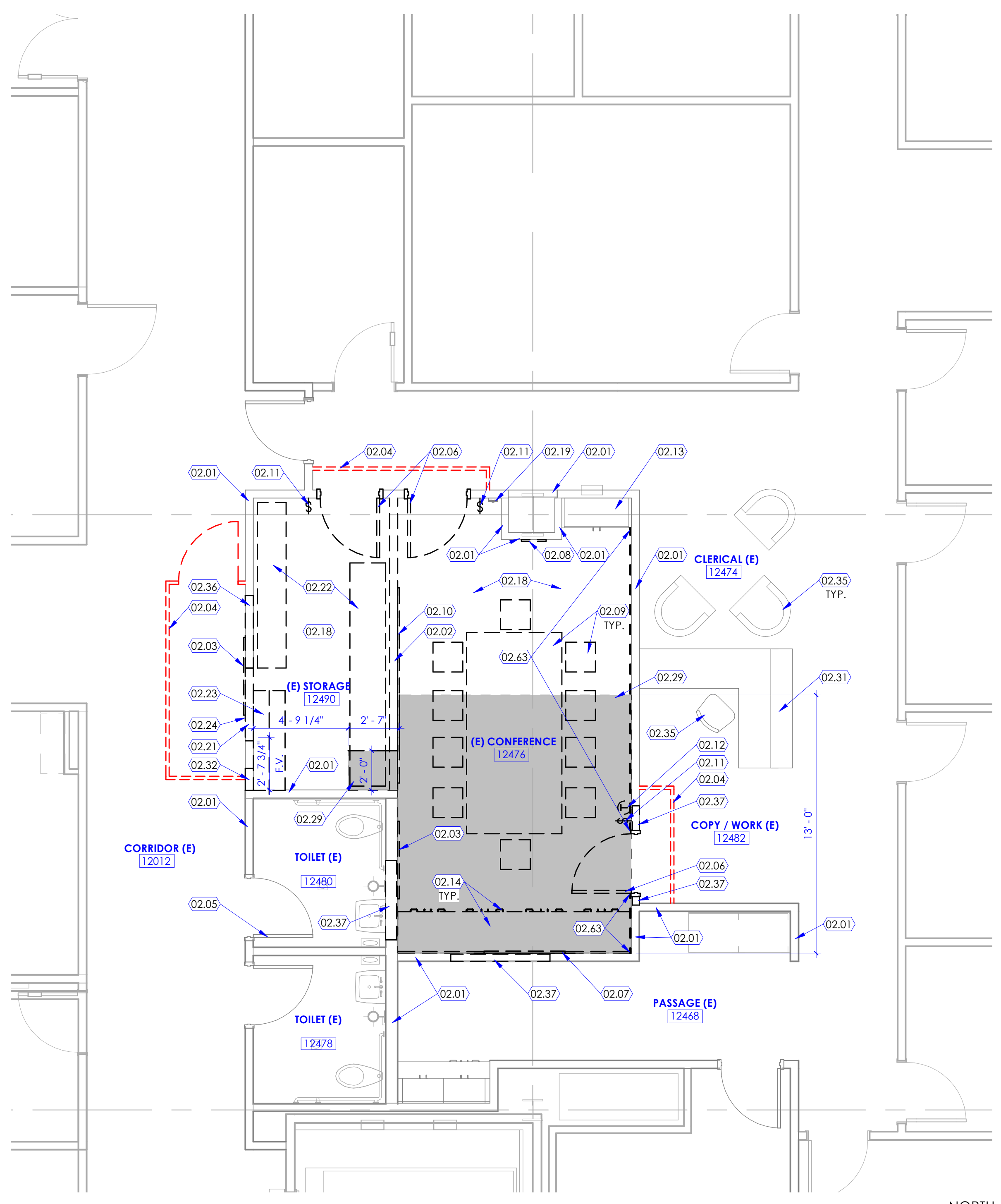


KEYED NOTES

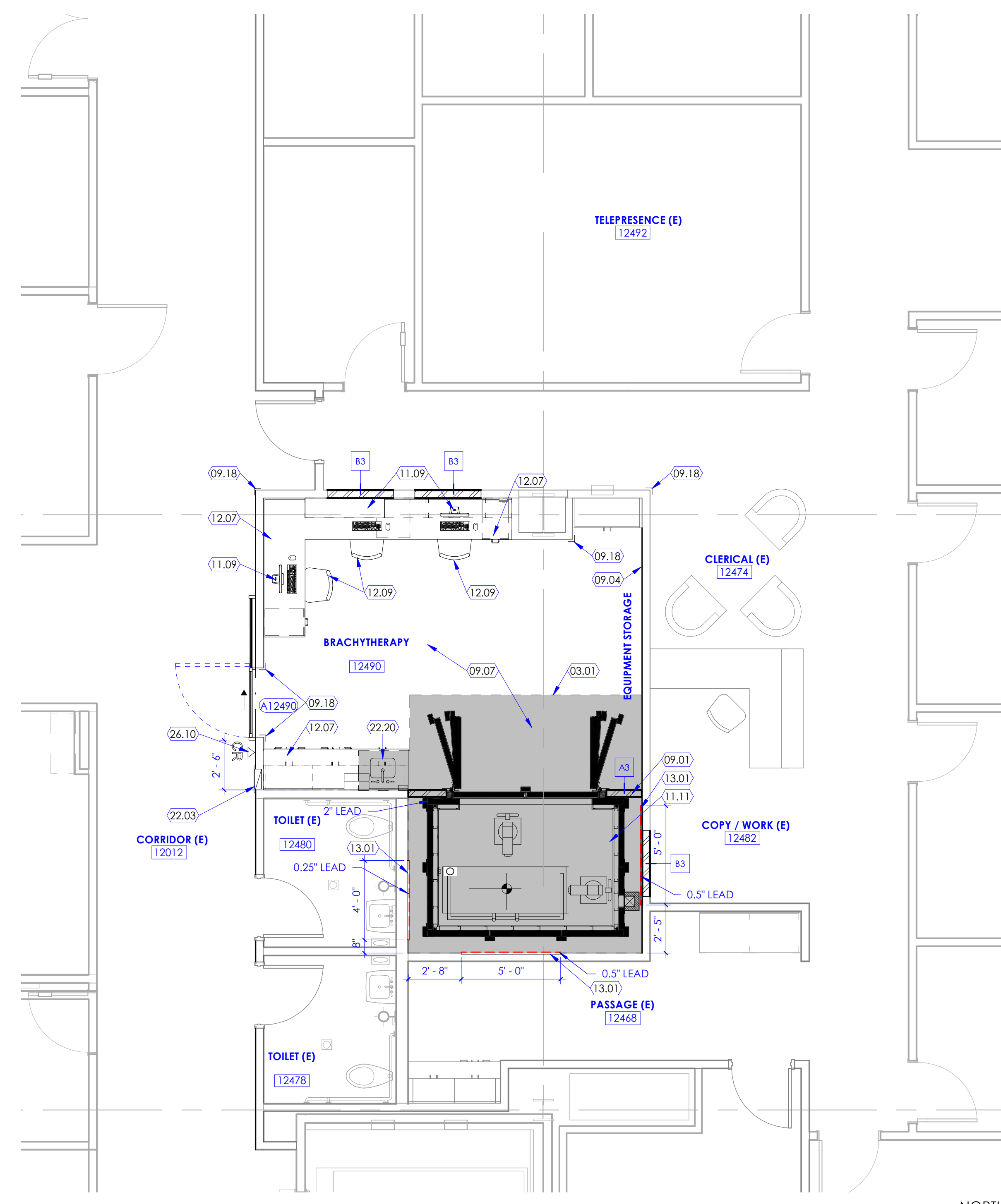
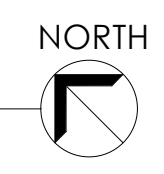
- 02.01 WALL, EXISTING TO REMAIN. PROTECT WALL FROM DAMAGE DURING CONSTRUCTION.
- 02.02 WALL, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.03 EXIST. ARTWORK TO BE REMOVED BY OWNER
- 02.04 DUST PARTITION (FROM FLOOR TO CEILING) WITH DOORS AS REQUIRED TO ACCESS CONSTRUCTION ZONE. LOCATE AND ALIGN PARTITION WITH CEILING GRID (AND/OR GYPSUM BOARD CEILING WHERE OCCURS) ABOVE AS MUCH AS POSSIBLE FOR A TIGHT SEAL. IF THERE IS A CONFLICT WHERE PARTITION ABUTS CEILING, MOVE ITEMS MOUNTED ON CEILING SUCH AS EXIT SIGN, FIRE/SMOKE ALARM, LIGHT FIXTURE, DIFFUSER, RETURN AIR GRILLE, SENSOR, ETC., TEMPORARILY AWAY FROM THE LOCATION. PROVIDE ANTE ROOM AS INDICATED. MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE WITH REQUIRED PORTABLE VACUUM MACHINE (OR EXHAUST FANS), WITH DOUBLE HEPA FILTERS, TEMPORARY FLEXIBLE HOSE TYPE DUCTS VENTED TO CORRIDOR. DUST PARTITION SHALL BE FIRE RATED, POLYCARBONATE, TRANSLUCENT, PLASTIC PANELS WITH METAL FRAMES ON ALL SIDES. INSTALL PARTITION PER MANUFACTURER'S RECOMMENDATIONS. PARTITION MANUFACTURER SHALL BE "EDGE-GUARD" OR EQUIVALENT. MOVE ACCESS DOOR TO THE CONSTRUCTION ZONE AS REQUIRED DURING THE CONSTRUCTION PHASE. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- 02.05 DOOR, EXISTING TO REMAIN. PROTECT DOOR FROM DAMAGE DURING CONSTRUCTION.
- 02.06 DOOR AND DOOR FRAME, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED. DOOR FRAME SHALL BE REMOVED UNLESS NOTED OTHERWISE.
- 02.07 EXIST. LARGE SCREEN MONITOR TO BE REMOVED AND SALVAGED
- 02.08 EXIST. WALL HUNG CLOCK TO BE REMOVED AND SALVAGED
- 02.09 EXIST. FURNITURE TO BE REMOVED BY OWNER
- 02.10 EXIST. WHITEBOARD TO BE REMOVED AND SALVAGED
- 02.11 EXIST. LIGHT SWITCHES TO BE REMOVED AND RELOCATED - COORD. W/ ELECTRICAL
- 02.12 EXIST. THERMOSTAT TO BE REMOVED AND RELOCATED - COORD. W/ MECHANICAL
- 02.13 CABINET (AND COUNTERTOP WHERE OCCURS), EXISTING TO REMAIN. PROTECT CABINET AND COUNTERTOP FROM DAMAGE DURING CONSTRUCTION.
- 02.14 CABINET AND COUNTERTOP, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED.
- 02.18 FLOOR COVERING, EXISTING INDICATED IN THIS AREA TO BE REMOVED. COORDINATE EXTENT OF REMOVAL WITH FINISH FLOOR PLANS FOR NEW FLOOR COVERING LOCATIONS AND TRANSITION LINE BETWEEN EXISTING AND NEW FLOOR COVERINGS
- 02.19 EXIST. FIRE ALARM/STROBE TO REMAIN - COORD. W/ ELECTRICAL
- 02.21 PORTION OF EXIST. WALL TO BE REMOVED AS REQUIRED FOR PLACEMENT OF NEW SLIDING DOOR & FRAME - REMOVE EXIST. WALL PROTECTION AND MODIFY FOR NEW DOOR OPENING
- 02.22 EXIST. STORAGE SHELVING UNITS TO BE REMOVED BY OWNER
- 02.23 EXIST. WALL MOUNTED SHELF AND ROD TO BE REMOVED BY CONTRACTOR
- 02.24 EXIST. COVED FLOORING TO BE MODIFIED AS REQUIRED AT NEW DOOR OPENING
- 02.29 EXISTING FLOOR SLAB TO BE SAWCUT AND REMOVED - COORD. W/ STRUCTURAL DRAWINGS AND PLUMBING DRAWINGS
- 02.31 RECEPTION DESK TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION
- 02.32 DEMOLISH EXISTING GYPSUM BOARD AND FRAMING AS REQUIRED FOR NEW MED GAS SHUT OFF VALVE. PATCH, REPAIR, AND PAINT WALL TO MATCH EXISTING AFTER ALL IN-WALL WORK IS COMPLETE. ALSO SEE MED GAS DRAWINGS.
- 02.35 EXISTING FURNITURE TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.36 DEMOLISH GYPSUM BOARD AND FRAMING AS REQUIRED TO PROVIDE NEW BLOCKING FOR SLIDING DOOR. SEE DETAILS ON SHEET A601A. PATCH, REPAIR, AND PAINT WALL TO MATCH EXISTING AFTER ALL IN-WALL WORK IS COMPLETE.
- 02.37 DEMOLISH EXISTING FLOOR TO DECK GYPSUM BOARD, EXISTING STUDS TO REMAIN. ADD NEW FLOOR TO DECK 3-5/8" THICK, 14GA METAL STUDS TO EACH OF THE EXISTING STUDS. NEW 14 GA STUDS TO BE NO MORE THAN 16" O.C. ATTACHED NEW 14 GA STUDS TO EXISTING STUDS WITH TWO #12 SWS AT 12" O.C. VERTICALLY, TYPICAL AT EACH STUD.
- 02.63 REMOVE FLOOR TO CEILING WALL MOUNTED FABRIC ACOUSTIC WALL PANEL AND GYPSUM BOARD BEHIND. REPLACE WITH NEW 5/8" THICK GYPSUM BOARD. PAINT WALL PER FINISH PLAN.
- 03.01 DASHED LINE INDICATES AREA WHERE FLOOR SLAB WILL NEED TO BE REPOURED - MATCH ELEVATION OF EXISTING FLOOR SLAB
- 09.01 NEW WALL TO BE BUILT AFTER HDR UNIT IS INSTALLED.
- 09.04 GYPSUM BOARD, 5/8" THICK TYPE X, ATTACHED TO METAL STUD FRAMING. UNLESS NOTED OTHERWISE, PROVIDE CONTROL JOINT AS PER DETAIL 14/A502A WHEN LENGTH OF GYPSUM BOARD EXCEEDS 50' IN ONE DIRECTION. COORDINATE WITH ARCHITECT FOR JOINT LOCATIONS.
- 09.07 FLOOR COVERING. SEE FINISH FLOOR PLANS FOR FLOOR COVERING INDICATED WITH A FLOOR FINISH TAG (AS F1, F2, F3, ETC.). SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC. FOR EACH FLOOR FINISH TAG.
- 09.18 WALL PROTECTION. SEE FINISH FLOOR PLAN FOR WAINSCOT, CORNER GUARDS, ETC. INDICATED WITH A TAG AS WP1, WP2, ETC. SEE FINISH SCHEDULE FOR MATERIAL, TYPE, SIZE, COLOR, ETC.
- 11.09 COMPUTER, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 11.11 EQUIPMENT, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 12.07 COUNTERTOP, MONOLITHIC MATERIAL (SOLID SURFACE), SEE DETAIL 7/A505B
- 12.09 FURNITURE, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 13.01 CONTRACTOR TO PROVIDE LEAD IN THIS AREA WITH THICKNESS AND LOCATION AS SHOWN. INSTALL LEAD BEFORE INSTALLATION OF WALL. LEAD TO BE LAMINATED TO 3/4" THICK FRP PLYWOOD. LEAD TO SPAN FROM FINISHED FLOOR TO 7'-0" AFF. SEE SHIELDING REPORT AT THE END OF THE SHIELDING SPECIFICATION. ANCHOR LEAD/PLYWOOD TO 14 GA STUDS. OVERLAP JOINTS WITH LEAD OF EQUIVALENT THICKNESS.
- 22.03 NEW FULLY RECESSED MED GAS SHUT OFF VALVE. SEE MED GAS DRAWINGS.
- 22.20 CUSTOM SOLID SURFACE INTEGRAL SINK. SEE DETAIL. SEE FINISH SCHEDULE. ALSO SEE PLUMBING DRAWINGS.
- 26.10 PROXIMITY CARD READER FOR DOOR ACCESS CONTROL SYSTEM. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

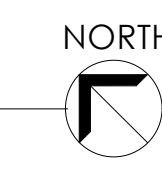
- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A602A FOR WINDOW SCHEDULE.
- E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

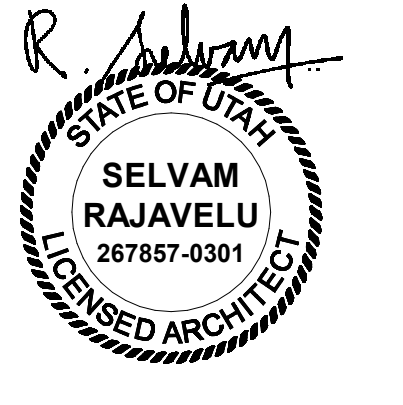


1 Demolition Floor Plan Level 1
SCALE: 1/4" = 1'-0"



2 Floor Plan Level 1
SCALE: 1/4" = 1'-0"



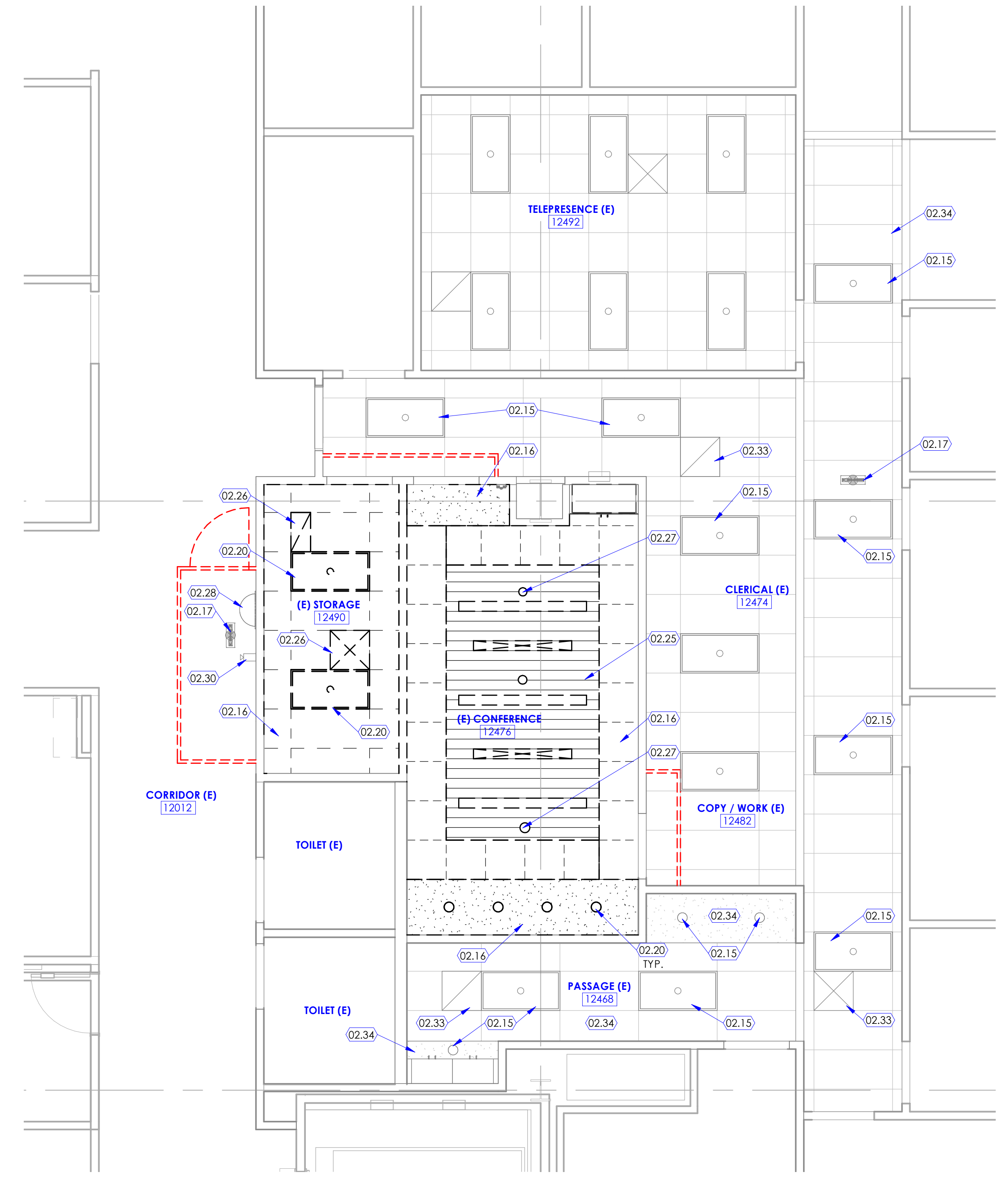


KEYED NOTES

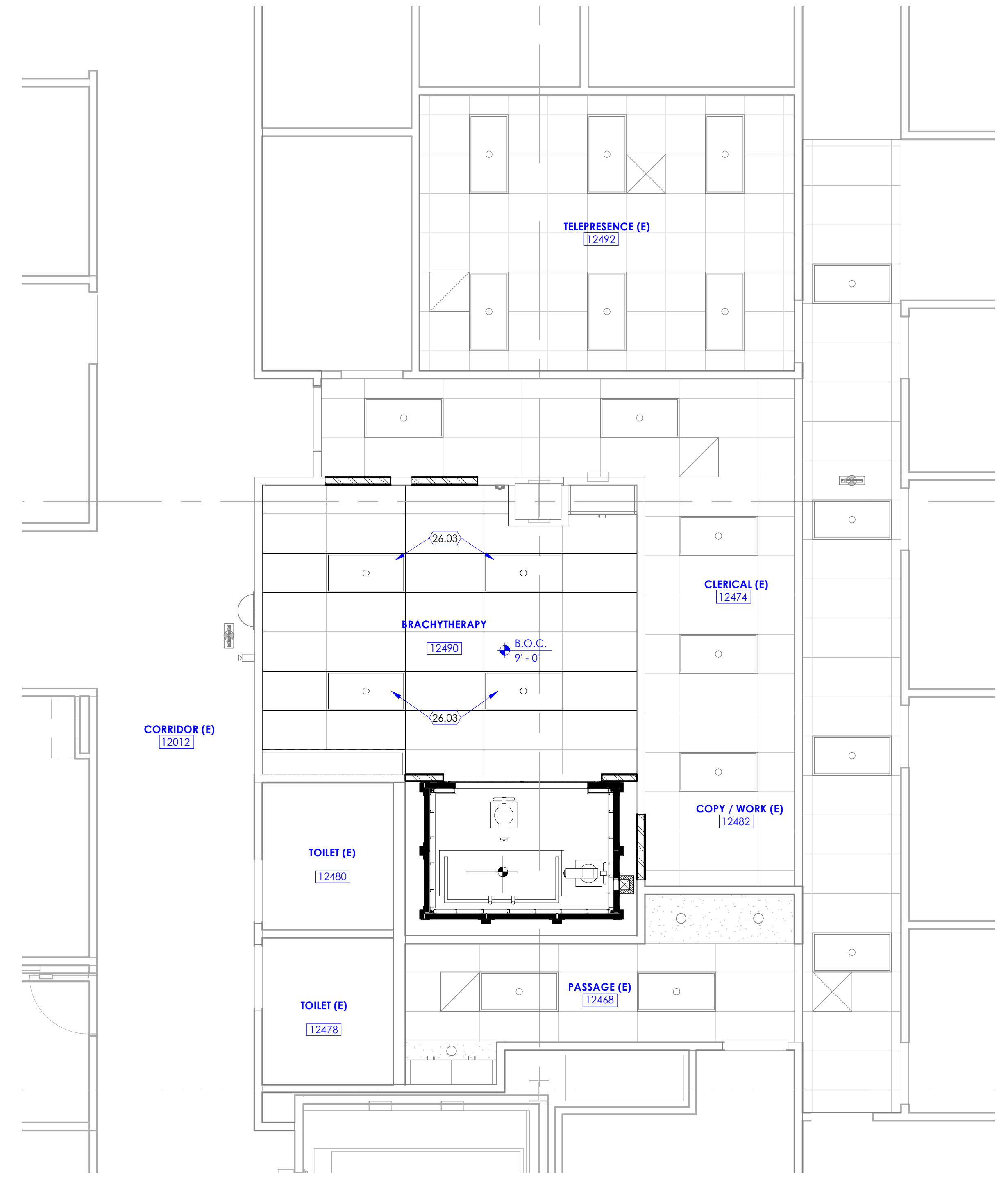
- 02.15 LIGHT FIXTURE, EXISTING INDICATED IN THIS AREA TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION
- 02.16 CEILING, EXISTING INDICATED IN THIS AREA TO BE REMOVED.
- 02.17 EXIT SIGN TO REMAIN - PROTECT DURING CONSTRUCTION
- 02.20 LIGHT FIXTURE, EXISTING INDICATED IN THIS AREA TO BE REMOVED AND SALVAGED
- 02.25 EXIST. WOOD SLAT CEILING SYSTEM, LIGHT FIXTURES AND MECHANICAL DIFFUSERS TO BE REMOVED, SALVAGED AND REINSTALLED IN A DIFFERENT LOCATION. PROTECT FROM DAMAGE DURING CONSTRUCTION. COORD. W/ OWNER WHERE CEILING SYSTEM CAN BE STORED UNTIL NEEDED
- 02.26 MECHANICAL DIFFUSER, EXISTING INDICATED IN THIS AREA TO BE REMOVED.
- 02.27 EXIST. FIRE SPRINKLER HEADS TO BE PROTECTED DURING DEMOLITION - RELOCATE AS REQUIRED FOR NEW CEILING LAYOUT
- 02.28 EXIST. CEILING MOUNTED INTERSECTION MIRROR TO REMAIN - PROTECT DURING CONSTRUCTION
- 02.30 WALL MOUNTED CAMERA TO REMAIN - PROTECT DURING CONSTRUCTION
- 02.33 MECHANICAL DIFFUSER, EXISTING INDICATED IN THIS AREA TO REMAIN.
- 02.34 EXISTING CEILING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION
- 26.03 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A602A FOR WINDOW SCHEDULE.
- E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



3 Demolition Ceiling Plan Level 1
SCALE: 1/4" = 1'-0"
NORTH



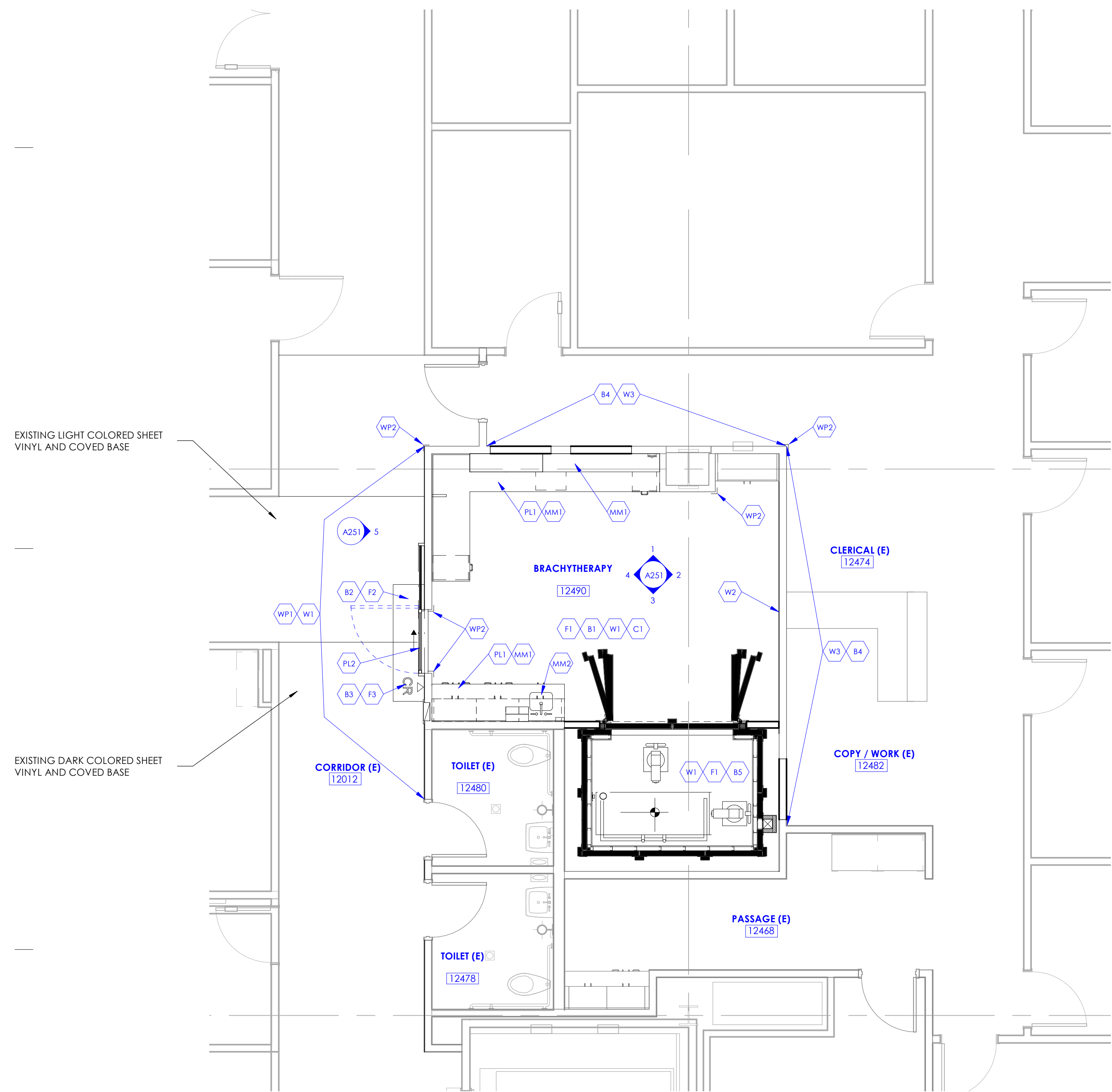
4 Reflected Ceiling Plan Level 1
SCALE: 1/4" = 1'-0"
NORTH

Intermountain Health
Layton Hospital
Brachytherapy

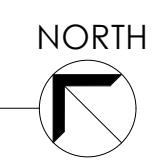
201 W. Layton Parkway
Layton, UT 84041

NJRA Project # 23242.00
Construction Documents March 22, 2024

Demolition
and
Reflected
Ceiling Plan
Level 1
A112



1 Finish Floor Plan Level 1
SCALE: 1/4" = 1'-0"



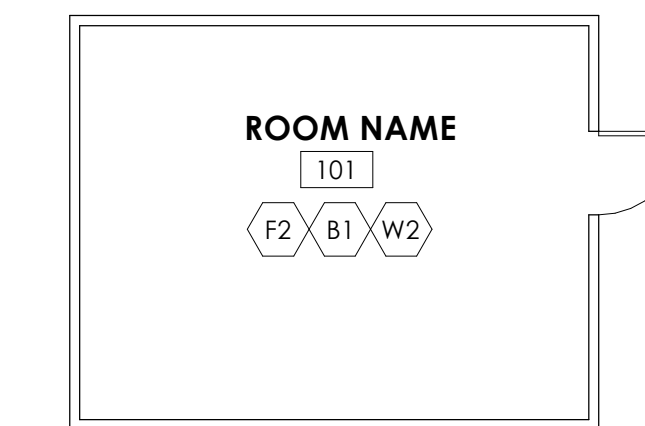
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KEYED NOTES

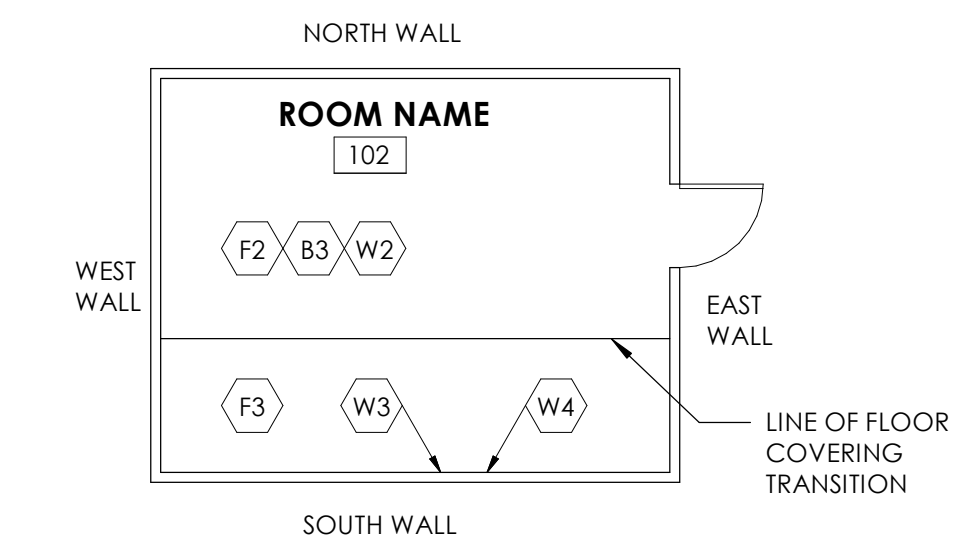
SAMPLE LAYOUTS

SAMPLE LAYOUT 1



NOTE: AS INDICATED IN ROOM NUMBER 101, MAJORITY OF THE ROOMS IN THE PROJECT SHALL HAVE A SINGLE TYPE OF FLOOR FINISH, WALL BASE AND WALL FINISH. WALL FINISH INDICATED AS "W2" SHALL APPLY TO ALL FOUR WALLS FROM FLOOR TO CEILING.

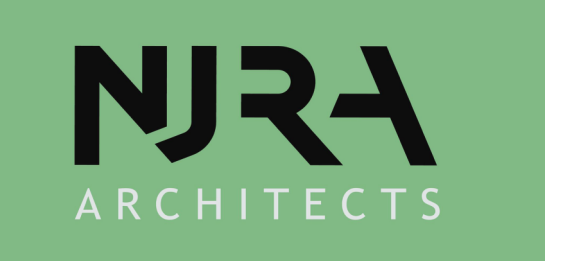
SAMPLE LAYOUT 2



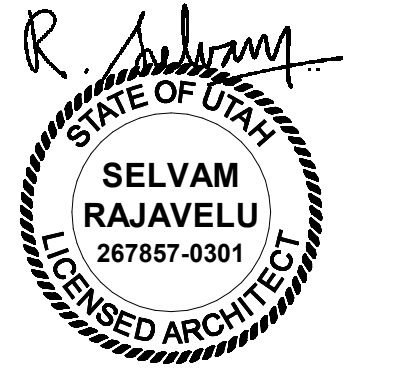
NOTE: AS INDICATED IN ROOM NUMBER 102, SOME ROOMS SHALL HAVE MULTIPLE FLOOR AND WALL FINISHES. SEE GENERAL NOTE "C" ON SHEET A603A FOR FLOOR COVERING TRANSITIONS. THE WALL FINISH INDICATED AS "W2" IN THE ROOM (WITHOUT AN ARROW POINTING TO ANY SPECIFIC WALL) SHALL APPLY TO THE WEST, NORTH AND EAST WALL WHERE WALL FINISHES ARE INDICATED WITH AN ARROW POINTING TO THE SOUTH SIDE. WALL SHALL HAVE MULTIPLE FINISHES SUCH AS "W3" AND "W4". SEE INTERIOR ELEVATIONS FOR TRANSITION DETAILS BETWEEN "W3" AND "W4".

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A602A FOR WINDOW SCHEDULE.
- E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



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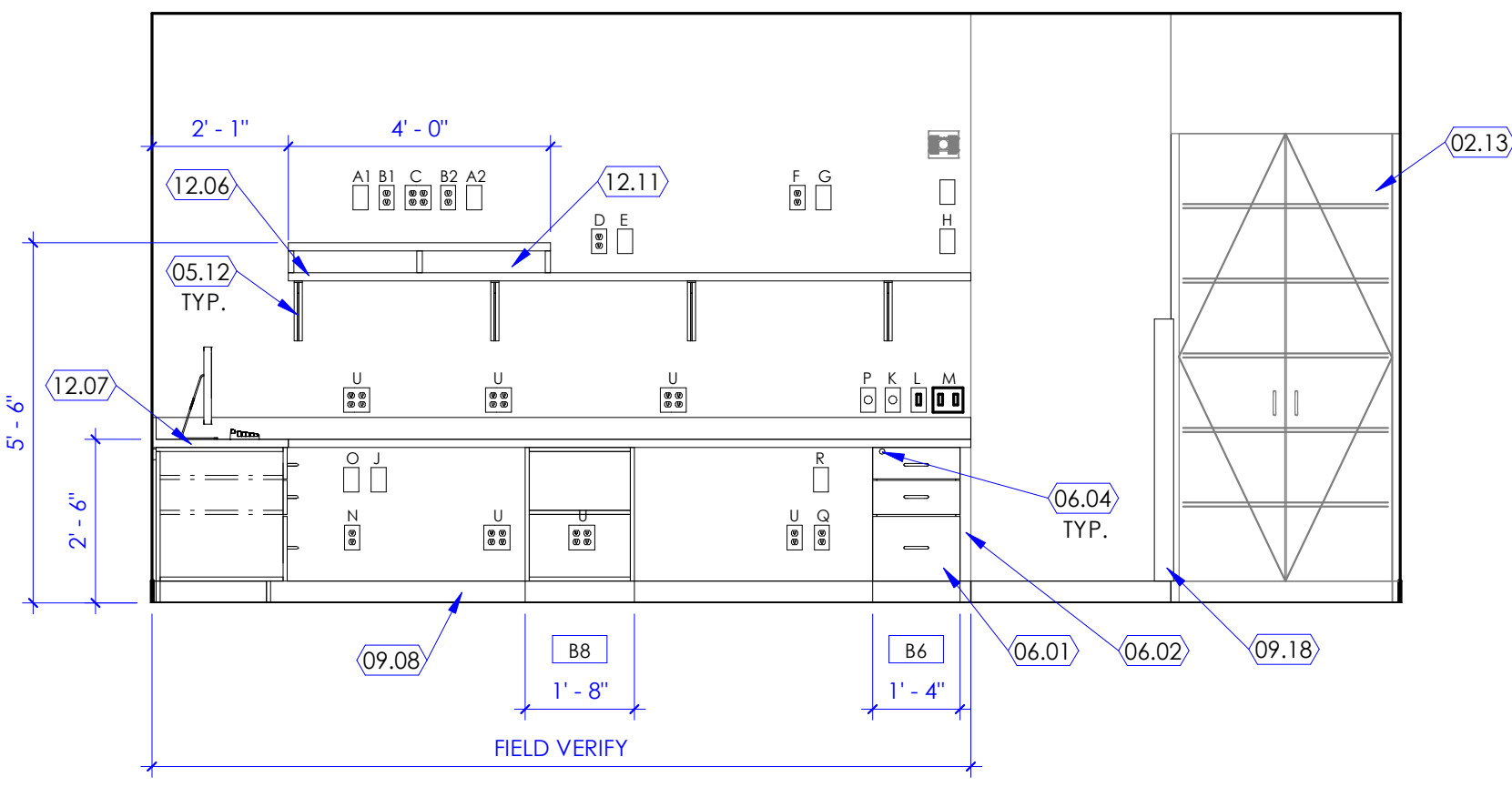
Intermountain Health
Layton Hospital
Brachytherapy

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Layton, UT 84041

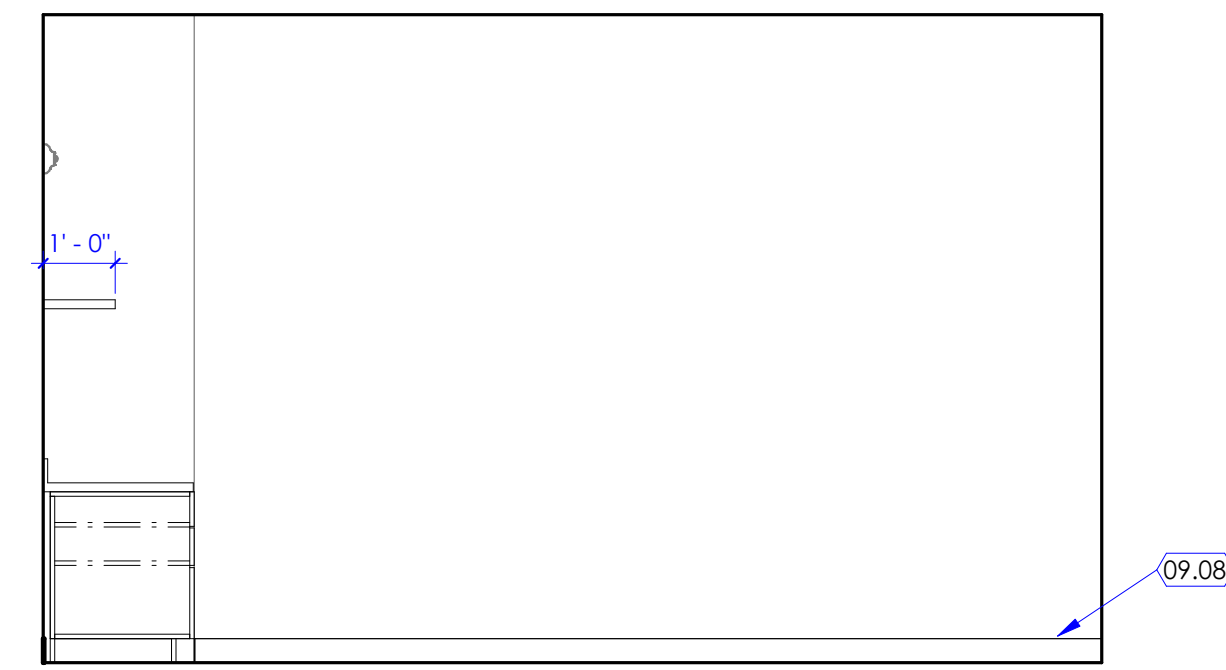
NJRA Project # 23242.00
Construction Documents March 22, 2024

Finish Plan
Level 1

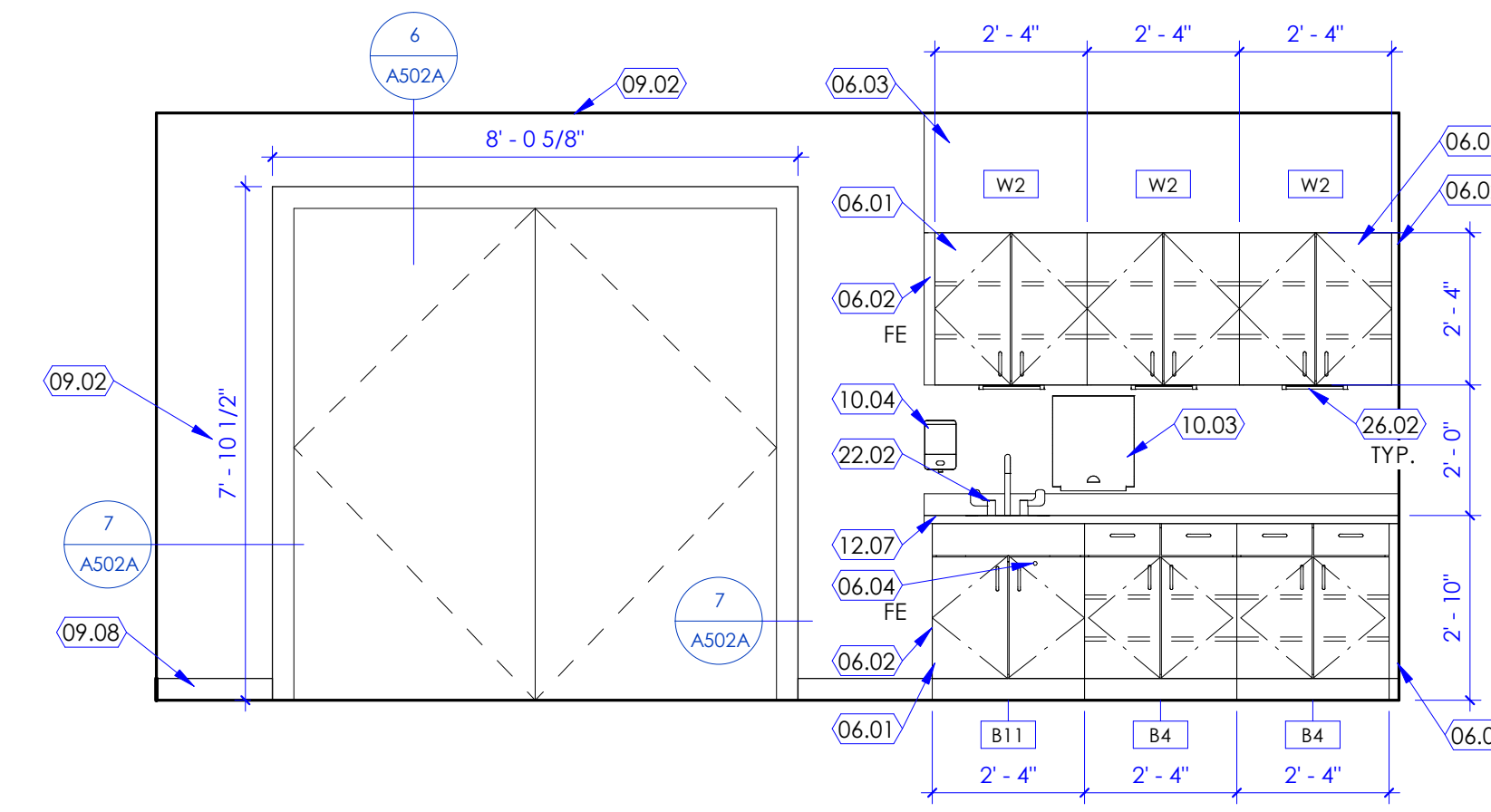
A117



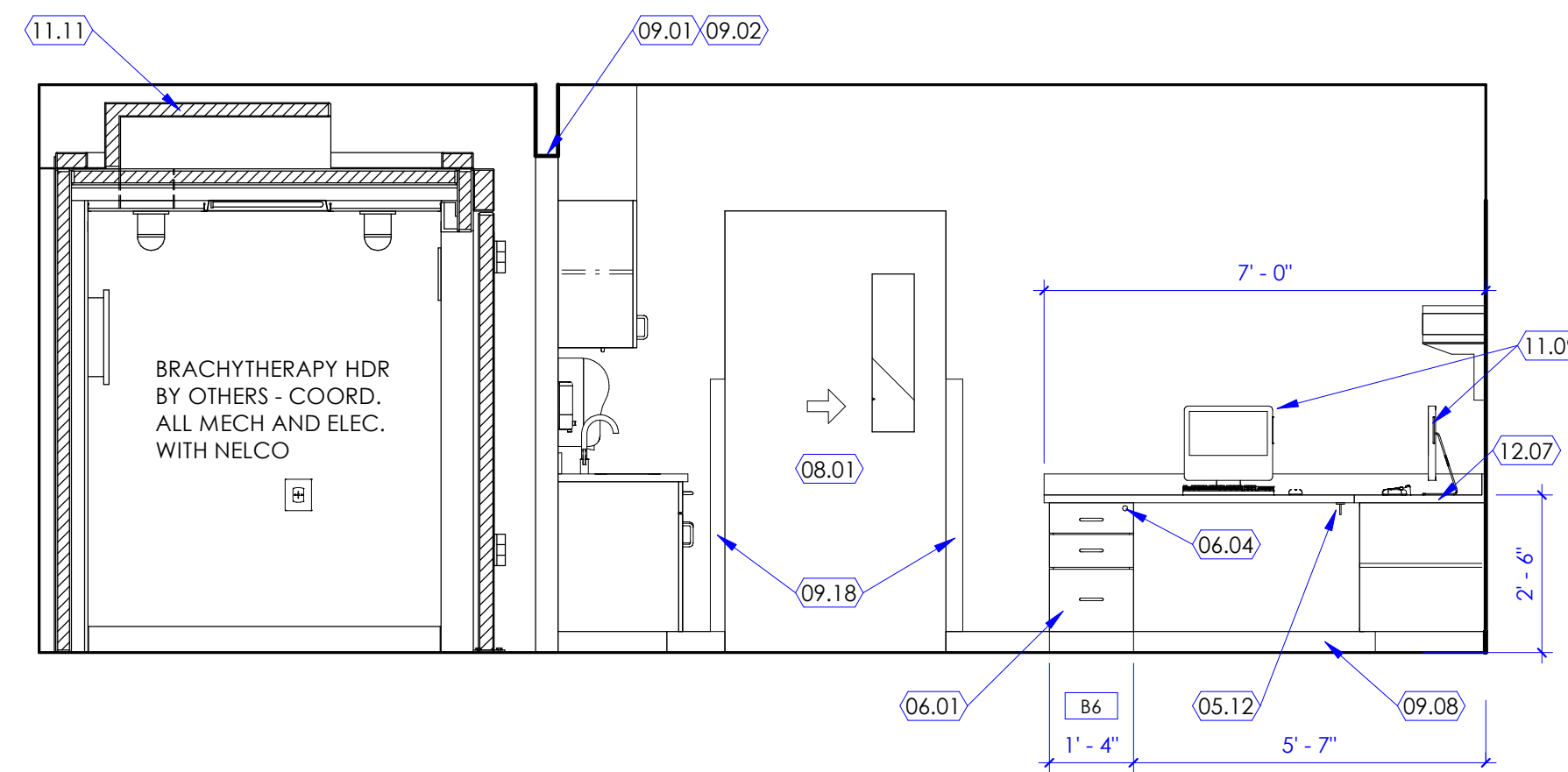
1 Brachytherapy
SCALE: 3/8" = 1'-0"



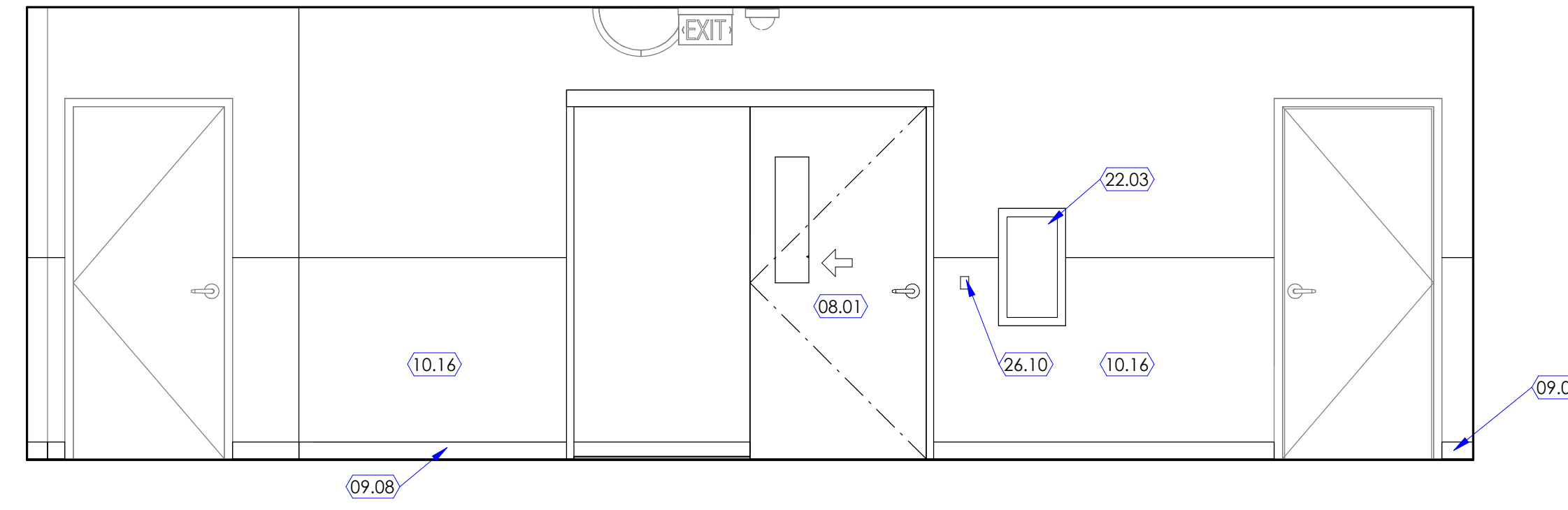
2 Brachytherapy
SCALE: 3/8" = 1'-0"



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



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



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

KEYED NOTES

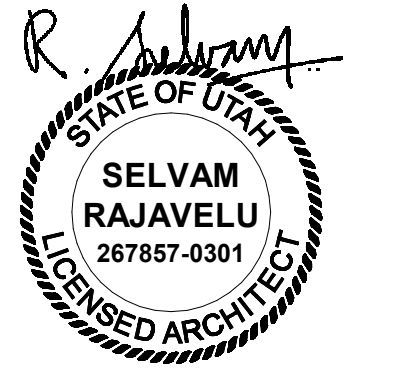
- 02.13 CABINET (AND COUNTERTOP WHERE OCCURS), EXISTING TO REMAIN. PROTECT CABINET AND COUNTERTOP FROM DAMAGE DURING CONSTRUCTION.
- 05.12 STEEL ANGLE SUPPORTS FOR COUNTERTOP WHERE KNEE SPACE OCCURS BELOW. LOCATE COUNTER SUPPORTS AT 3'-0" O.C. MAX. SEE DETAIL 6/A5058
- 06.01 CABINET. SEE CABINET LEGEND ON SHEET 1/A505A, AND INTERIOR ELEVATIONS, FOR CABINET TYPES SUCH AS BASE CABINETS, WALL CABINETS, TALL CABINETS, LOCKS, ETC. CABINET BELOW SINKS TO BE PROVIDED WITH LOCKS
- 06.02 FILLER PANEL. PLASTIC LAMINATE WRAPPED OVER 3/4" PARTICLE BOARD. PROVIDE FILLER PANEL BETWEEN CABINETS AND BETWEEN CABINET AND WALL. TYPICAL.
- 06.03 P-LAM CLOSER PANEL TO CEILING ABOVE. SEE DETAIL 2/A5058
- 06.04 LOCK. PROVIDE KEYPED LOCK FOR THIS CABINET DOOR (OR DRAWER WHERE OCCURS). PROVIDE REQUIRED HARDWARE FOR THE LOCK SYSTEM.
- 08.01 SLIDING BARN DOOR. SEE DETAIL 3/A601A. BASIS OF DESIGN: AD SYSTEMS. DOOR TO HAVE LEVEL LOCK WITH ELECTRONIC STRIKE AND CYLINDER. OVERRIDE WITH BACK TO BACK LEVERS FOR EGRESS. ALSO SEE ELECTRICAL DRAWINGS.
- 09.01 NEW WALL TO BE BUILT AFTER HDR UNIT IS INSTALLED.
- 09.02 COORDINATE REQUIRED FINISHED OPENING DIMENSIONS WITH VENDOR.
- 09.08 WALL BASE. SEE FINISH FLOOR PLANS FOR WALL BASE TYPE INDICATED WITH A WALL BASE TAG (AS B1, B2, B3, ETC.). SEE FINISH SCHEDULE ON SHEET A603A FOR MATERIAL, SIZE, COLOR, ETC. FOR EACH WALL BASE TAG.
- 09.18 WALL PROTECTION. SEE FINISH FLOOR PLAN FOR WAINSCOT, CORNER GUARDS, ETC. INDICATED WITH A TAG AS WP1, WP2, ETC. SEE FINISH SCHEDULE FOR MATERIAL TYPE, SIZE, COLOR, ETC.
- 10.03 PAPER TOWEL DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING IN WALL AS REQUIRED. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
- 10.04 SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC.
- 10.16 WALL PROTECTION WAINSCOT, 0.06" THICK. SEE FINISH SCHEDULE, COLOR AND FINISH TO MATCH ADJACENT EXISTING.
- 11.09 COMPUTER, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 11.11 EQUIPMENT, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 12.06 12" DEEP SOLID SURFACE SHELF WITH FULL BULLNOSE EDGE. NO BACKSPLASH. SEE DETAIL 7/A5058.
- 12.07 COUNTERTOP, MONOLITHIC MATERIAL (SOLID SURFACE). SEE DETAIL 7/A5058
- 12.11 4" CLEAR SLOT WITH SOLID SURFACE DIVIDERS.
- 22.02 LAVATORY (SINK INTEGRAL WITH COUNTERTOP). SEE RELEVANT DETAILS 1/G003 AND 1/G004 FOR MOUNTING HEIGHT, LOCATION, ETC. SEE PLUMBING DRAWINGS.
- 22.03 NEW FULLY RECESSED MED GAS SHUT OFF VALVE. SEE MED GAS DRAWINGS.
- 26.02 LIGHT FIXTURE UNDER CABINET. SEE ELECTRICAL DRAWINGS.
- 26.10 PROXIMITY CARD READER FOR DOOR ACCESS CONTROL SYSTEM. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR SCHEDULE.
- D. SEE SHEET A602A FOR WINDOW SCHEDULE.
- E. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



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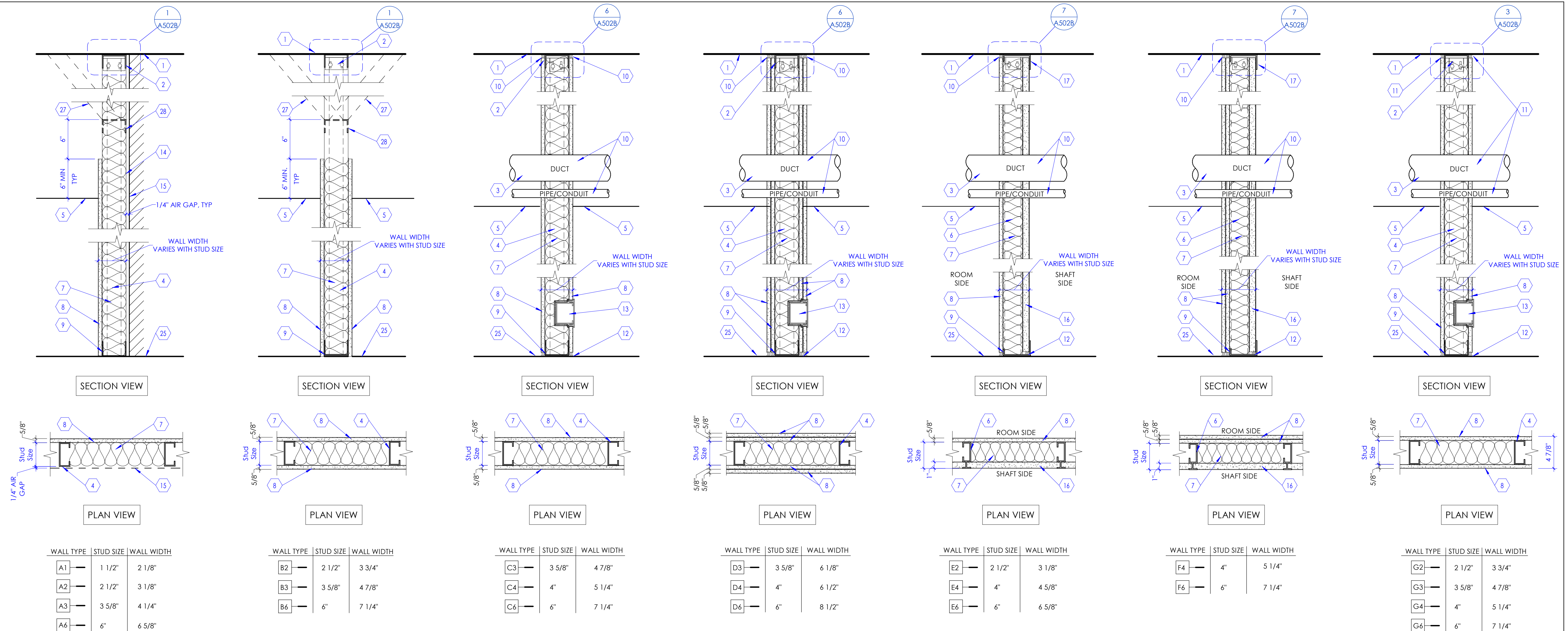
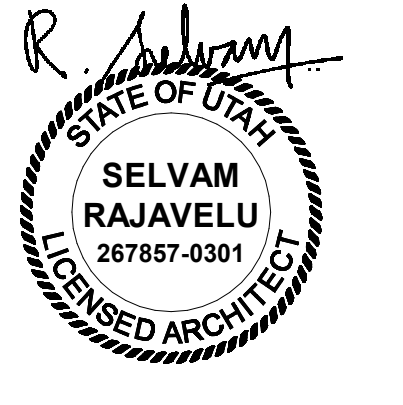
Intermountain Health
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201 W. Layton Parkway
Layton, UT 84041

NJRA Project # 23242.00
Construction Documents March 22, 2024

Interior
Elevations

A251



WALL TYPE	STUD SIZE	WALL WIDTH
A1	1 1/2"	2 1/8"
A2	2 1/2"	3 1/8"
A3	3 5/8"	4 1/4"
A4	6"	6 5/8"

WALL TYPE	STUD SIZE	WALL WIDTH
B2	2 1/2"	3 3/4"
B3	3 5/8"	4 7/8"
B6	6"	7 1/4"

WALL TYPE	STUD SIZE	WALL WIDTH
C3	3 5/8"	4 7/8"
C4	4"	5 1/4"
C6	6"	7 1/4"

WALL TYPE	STUD SIZE	WALL WIDTH
D3	3 5/8"	6 1/8"
D4	4"	6 1/2"
D6	6"	8 1/2"

WALL TYPE	STUD SIZE	WALL WIDTH
E2	2 1/2"	3 1/8"
E4	4"	4 5/8"
E6	6"	6 5/8"

WALL TYPE	STUD SIZE	WALL WIDTH
F4	4"	5 1/4"
F6	6"	7 1/4"

WALL TYPE	STUD SIZE	WALL WIDTH
G2	2 1/2"	3 3/4"
G3	3 5/8"	4 7/8"
G4	4"	5 1/4"
G6	6"	7 1/4"

Type - A
Metal Stud
Furring Wall

Type - B
Typical Metal
Stud Wall

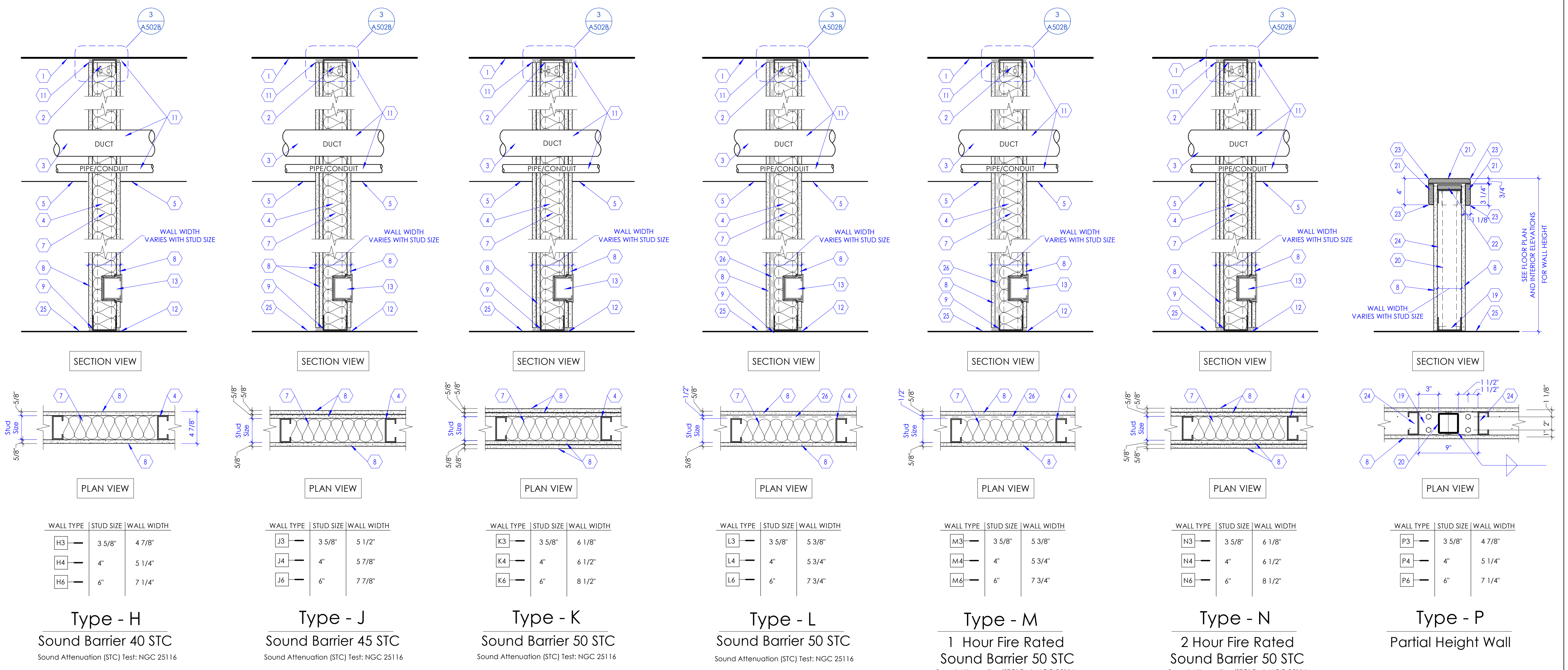
Type - C
1 Hour Fire Rated
UL DESIGN #: U465

Type - D
2 Hour Fire Rated
UL DESIGN #: U411

Type - E
1 Hour Fire Rated
Shaft Wall
UL DESIGN #: U415 SYS. A

Type - F
2 Hour Fire Rated
Shaft Wall
UL DESIGN #: U415 SYS. A

Type - G
Smoke Partition



WALL TYPE	STUD SIZE	WALL WIDTH
H3	3 5/8"	4 7/8"
H4	4"	5 1/4"
H6	6"	7 1/4"

WALL TYPE	STUD SIZE	WALL WIDTH
J3	3 5/8"	5 1/2"
J4	4"	5 7/8"
J6	6"	7 7/8"

WALL TYPE	STUD SIZE	WALL WIDTH
K3	3 5/8"	6 1/8"
K4	4"	6 1/2"
K6	6"	8 1/2"

WALL TYPE	STUD SIZE	WALL WIDTH
L3	3 5/8"	5 3/8"
L4	4"	5 3/4"
L6	6"	7 3/4"

WALL TYPE	STUD SIZE	WALL WIDTH
M3	3 5/8"	5 3/8"
M4	4"	5 3/4"
M6	6"	7 3/4"

WALL TYPE	STUD SIZE	WALL WIDTH
N3	3 5/8"	6 1/8"
N4	4"	6 1/2"
N6	6"	8 1/2"

WALL TYPE	STUD SIZE	WALL WIDTH
P3	3 5/8"	4 7/8"
P4	4"	5 1/4"
P6	6"	7 1/4"

Type - H
Sound Barrier 40 STC
Sound Attenuation (STC) Test: NGC 25116

Type - J
Sound Barrier 45 STC
Sound Attenuation (STC) Test: NGC 25116

Type - K
Sound Barrier 50 STC
Sound Attenuation (STC) Test: NGC 25116

Type - L
Sound Barrier 50 STC
Sound Attenuation (STC) Test: NGC 25116

Type - M
1 Hour Fire Rated
Sound Barrier 50 STC
Sound Attenuation (STC) Test: NGC 25116

Type - N
2 Hour Fire Rated
Sound Barrier 50 STC
Sound Attenuation (STC) Test: NGC 25116

Type - P
Partial Height Wall

KEYED NOTE

- LINE OF FLOOR OR ROOF DECK AS OCCURS.
- TO ACCOMMODATE FOR STRUCTURE DEFLECTION, PROVIDE SLIP CONNECTION BETWEEN TOP RUNNER TRACK AND METAL STUD FRAMING. SEE DETAIL 11 / A502A
- STUD FRAMING AROUND DUCT OPENINGS. SEE DETAIL 11 / A502A
- METAL STUDS, 20 GA (30 MILS) AT 16" O.C., U.N.O. BASED ON WALL TYPES INDICATED IN FLOOR PLAN. PROVIDE STUD SIZE AS INDICATED IN WALL TYPES WITH TRACK RUNNERS AT TOP AND BOTTOM. FOR STUD FRAMING AROUND DOOR AND WINDOW OPENINGS. SEE DETAIL 11 / A502A
- LINE OF CEILING AS OCCURS. SEE REFLECTED CEILING PLAN.
- STEEL STUDS: C-H SHAPED, 20 GA AT 24" O.C.
- PROVIDE ACOUSTIC INSULATION BLANKET FOR FULL DEPTH OF THE STUD CAVITY THROUGHOUT. UNO, FOR 4" & 3 5/8" STUDS PROVIDE R-13 UNFACED BATT INSULATION AND FOR 6" STUDS PROVIDE R-19 UNFACED BATT INSULATION. PROVIDE KRAFT FACED INSULATION FOR ALL APPLICATIONS AT EXTERIOR WALLS.
- GYPSUM BOARD, 5/8" THICK, TYPE 'X', U.N.O. ATTACHED TO METAL STUD FRAMING. SEE GENERAL NOTE 'B' BELOW.
- ANCHOR BASE TRACK TO CONCRETE FLOOR BELOW. SEE DETAIL 8 / A502A
- FILL GAP BETWEEN DECK AND METAL TRACK TOP RUNNER WITH FIRESTOP SEALANT, SEAL TIGHTLY AROUND ALL PIPES, CONDUITS, DUCTS, ETC., ON EACH SIDE OF THE FIRE BARRIER WALL (CONTINUOUS) WITH APPROVED FIRESTOP SEALANT INSTALLED AROUND ALL PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE FIRE BARRIER.
- FILL GAP BETWEEN DECK AND METAL TRACK TOP RUNNER WITH ACOUSTIC SEALANT, SEAL TIGHTLY AROUND ALL PIPES, CONDUITS, DUCTS, ETC., ON EACH SIDE OF THE WALL (CONTINUOUS) AND AROUND ALL PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE WALL.
- STOP GYPSUM BOARD 1/4" ABOVE THE FLOOR TYP. ON EACH SIDE OF WALL. PROVIDE ACOUSTIC SEALANT AT SOUND WALLS AND FIRESTOP SEALANT AT RATED WALLS ON EACH SIDE OF THE WALL (CONTINUOUS).
- OUTLET BOX AS OCCURS. PROVIDE FIRE BARRIER MOLDABLE PUTTY PADS AND FIRESTOP SEALANT AROUND ELECTRICAL BOXES AT ALL RATED WALLS AND SOUND BARRIER WALLS AND AT BACK TO BACK ELECTRICAL BOXES AT SMOKE PARTITION WALLS TYP.
- PROVIDE STRAPPING AND BLOCKING AT FURRING WALL. SEE DETAIL 12 / A502A
- LINE INDICATES EXISTING WALL OR STRUCTURE. PROVIDE 1/4" AIR GAP.
- GYPSUM BOARD SHAFT LINER PANEL, 1" THICK, TYPE 'X', ATTACHED TO C-H STUDS.
- STEEL RUNNER, 1" SHAPED WITH UNEQUAL LEGS OF 1" AND 2", 20 GA, ATTACHED TO FLOOR AND STRUCTURE ABOVE WITH FASTENERS LOCATED NO GREATER THAN 2" FROM ENDS AND NO MORE THAN 24" O.C. RUNNERS SHOULD BE POSITIONED WITH SHORT LEG TO FINISHED SIDE OF WALL.
- STOP STUD RUNNER AT BASE PLATES.
- STEEL PLATE, 3/8" THICK WITH 4-1/2" DIA. HILTI-HY200 EPOXY ANCHORS WITH 2-3/8" HILTI-HIT-2 ANCHORS. EMBED INTO CONCRETE 2-3/8".
- TUBE STEEL 3" x 3" x 3/16" AT 4'-0" O.C.
- WALL CAP, SOLID SURFACE MATERIAL ATTACHED TO WALL BELOW.
- PLYWOOD, 3/4" THICK, CONTINUOUS FIRE TREATED. ATTACH PLYWOOD TO VERTICAL STEEL TUBE POST WITH L SHAPED METAL CLIPS AND FASTENERS.
- PROVIDE 1/4" RADIUS ROUNDED EDGE, CONTINUOUS.
- METAL STUDS 16 GA AT 16" O.C. PROVIDE RUNNERS AT TOP AND BOTTOM. ATTACH TOP RUNNER TO PLYWOOD AND VERTICAL STEEL POST.
- LINE OF FLOOR.
- RESILIENT CHANNEL, 2" X 1/2", INSTALLED HORIZONTALLY AND SPACED AT 24" O.C.
- WHERE CONDITIONS PROHIBIT EXTENDING STUDS TO DECK, PROVIDE CROSS BRACING FROM TOP RUNNER OF WALL TO STRUCTURE ABOVE WITH 5/8" 20 GA STUDS AT 4'-0" O.C. ALTERNATE DIRECTION OF BRACING TO STRUCTURE EVERY 48" AS CONDITIONS ALLOW.
- TOP TRACK, 18 GA. REQUIRED AT CROSS-BRACED WALLS.

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ITEMS LIKE SEMI OR FULLY RECESSED MISCELLANEOUS BOXES, PANELS, PLUMBING LINES, CONDUITS, PIPES, ETC. THAT ARE CONCEALED IN THE WALL IF 5/8" METAL STUDS ARE INADEQUATE. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND USE 6" STUDS. COORDINATE WITH ALL THE CONSULTANT DRAWINGS PRIOR TO WALL CONSTRUCTION AND USE 6" OR 8", 20 GAUGE METAL STUDS FOR FRAMING IN LIEU OF 5/8" METAL STUDS.
- USE 5/8" CEMENTITIOUS BOARD IF CERAMIC OR PORCELAIN WALL TILES ARE INDICATED IN THE FINISH SCHEDULE AS WALL FINISH. CEMENTITIOUS BOARD SHALL EXTEND FROM FINISHED FLOOR TO HEIGHT OF TILE. 5/8" WATER RESISTANT GYPSUM BOARD TO BE USED ABOVE TILE HEIGHT IN RESTROOMS. SEE FLOOR PLANS FOR CERTAIN UNIQUE LOCATIONS THAT REQUIRE LEAD LINED GYPSUM BOARD, IMPACT RESISTANT GYPSUM BOARD, SOUND ATTENUATION GYPSUM BOARD, ETC.
- PROVIDE CONTROL JOINT AS PER DETAIL 14 / A502A WHEN LENGTH OF GYPSUM BOARD EXCEEDS 50' IN ONE DIRECTION OR AS DIRECTED BY ARCHITECT. COORDINATE WITH ARCHITECT FOR CONTROL JOINT LOCATIONS. WHEN GYPSUM BOARD OR CEMENTITIOUS BOARD IS ATTACHED VERTICALLY, USE 1" LONG #6 DRYWALL SCREWS TO EACH STUD. SCREWS ARE 8" O.C. AT PERIMETER AND 12" AT INTERMEDIATE STUD. WHEN GYPSUM BOARD IS ATTACHED HORIZONTALLY TO STUDS, HORIZONTAL JOINTS SHALL BE STAGGERED WITH THOSE ON THE OPPOSITE SIDE. SCREWS FOR HORIZONTAL APPLICATION SHALL BE 8" O.C. AT VERTICAL EDGES AND 12" O.C. AT INTERMEDIATE STUDS.
- FOR LOCATION OF FIRE RATED WALLS AND SMOKE PARTITION WALLS SEE CODE COMPLIANCE PLAN.
- SEE DIMENSION FLOOR PLANS FOR WALL TYPES USED IN THIS PROJECT. SOME WALL TYPES MAY NOT BE USED IN THIS PROJECT.
- WHERE LEAD LINED WALLS ARE INDICATED ON THE DRAWINGS, USE 16 GA STUDS IN LIEU OF THE GAUGE OF STUDS CALLED OUT IN THE WALL TYPES.
- IN PLACES WHERE MECHANICAL DUCTS ARE DESIGNED TO PENETRATE THE FLOOR, TO MEET THE REQUIREMENTS OF FIRE RATING, PROVIDE A TWO-HOUR FIRE RATED ENCLOSURE AT TOP AND BOTTOM OF SHAFT AS INDICATED IN DETAILS 5 / A502B AND 6 / A502B
- IN PLACES WHERE A TWO-HOUR HORIZONTAL ENCLOSURE IS REQUIRED TO SEPARATE THE DUCTS FROM THE SPACE BELOW, PROVIDE A TWO-HOUR FIRE RATED HORIZONTAL ASSEMBLY AS PER DETAILS 5 / A502B AND 6 / A502B
- IN PLACES WHERE BACKING IS REQUIRED IN WALLS TO SUPPORT WALL HUNG EQUIPMENT, CABINETS, ETC. PROVIDE BACKING IN WALL PER DETAILS 5 / A502A AND 13 / A502A

Intermountain Health
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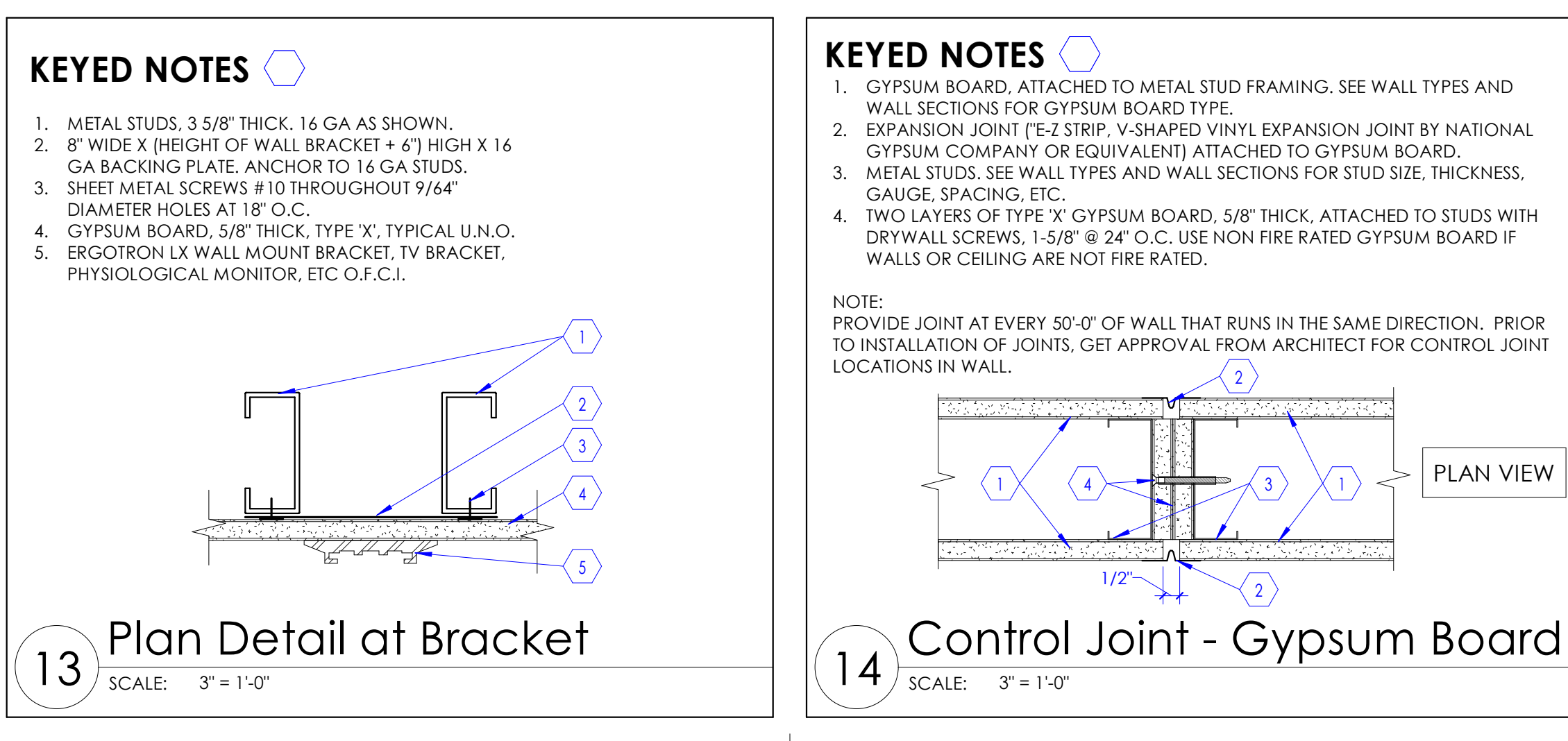
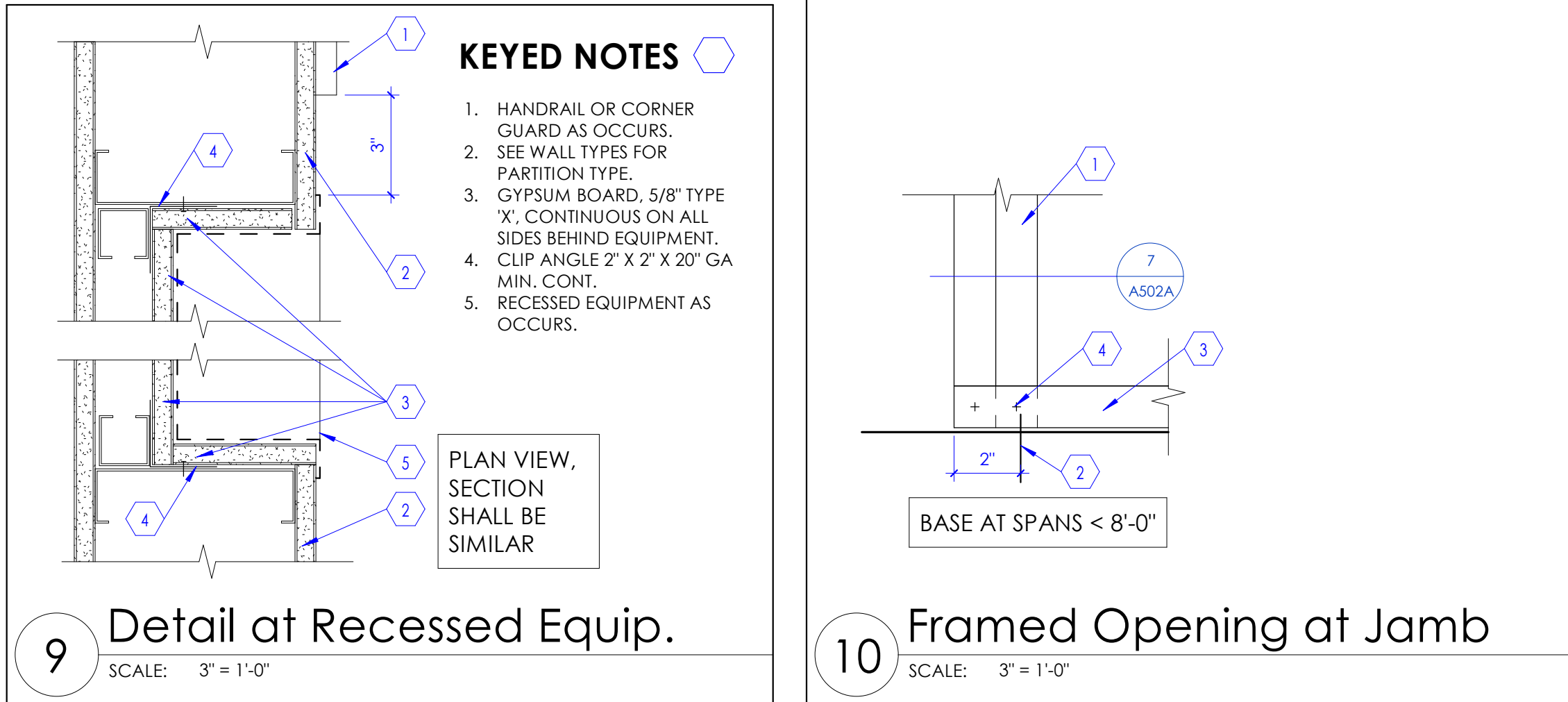
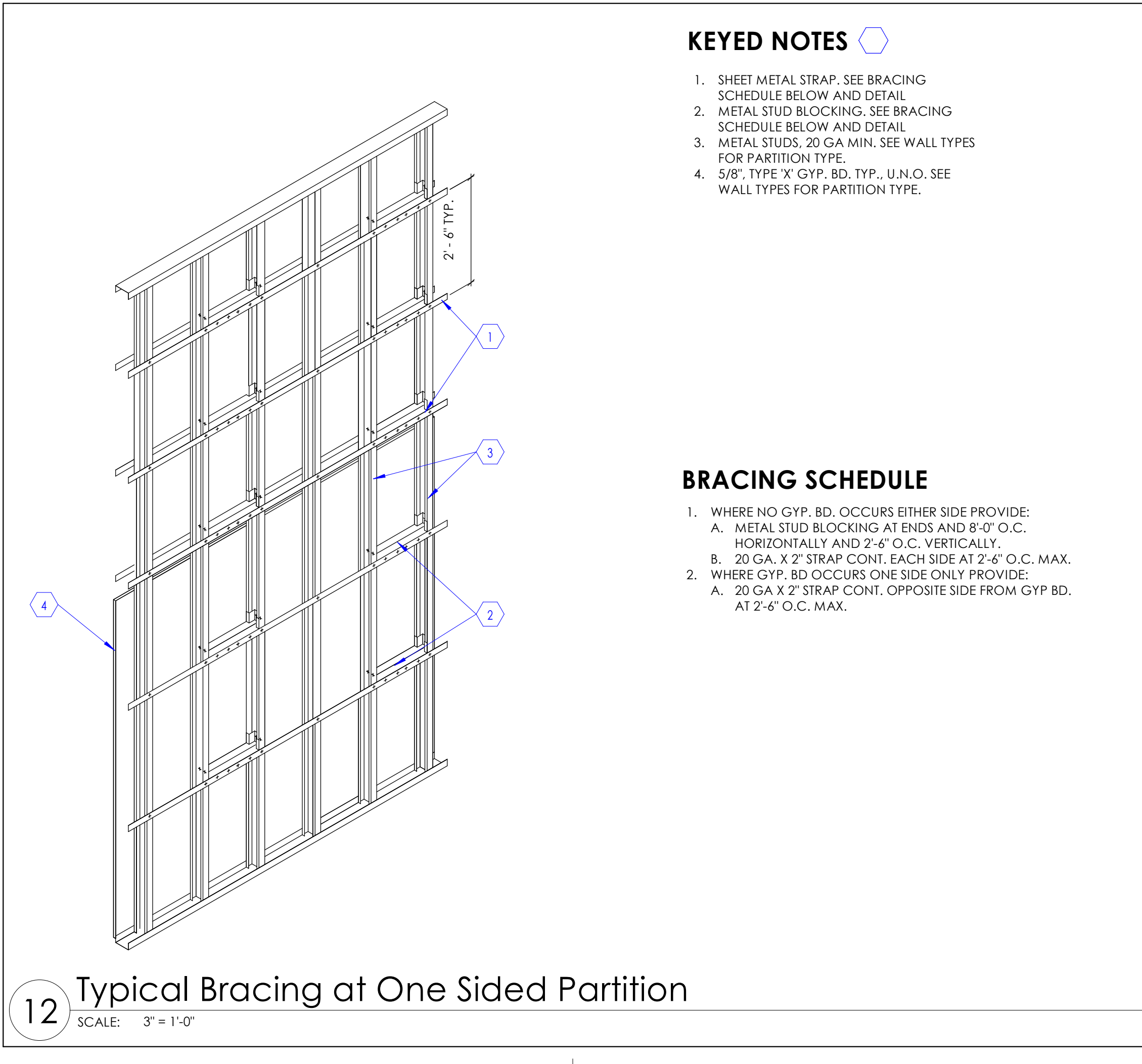
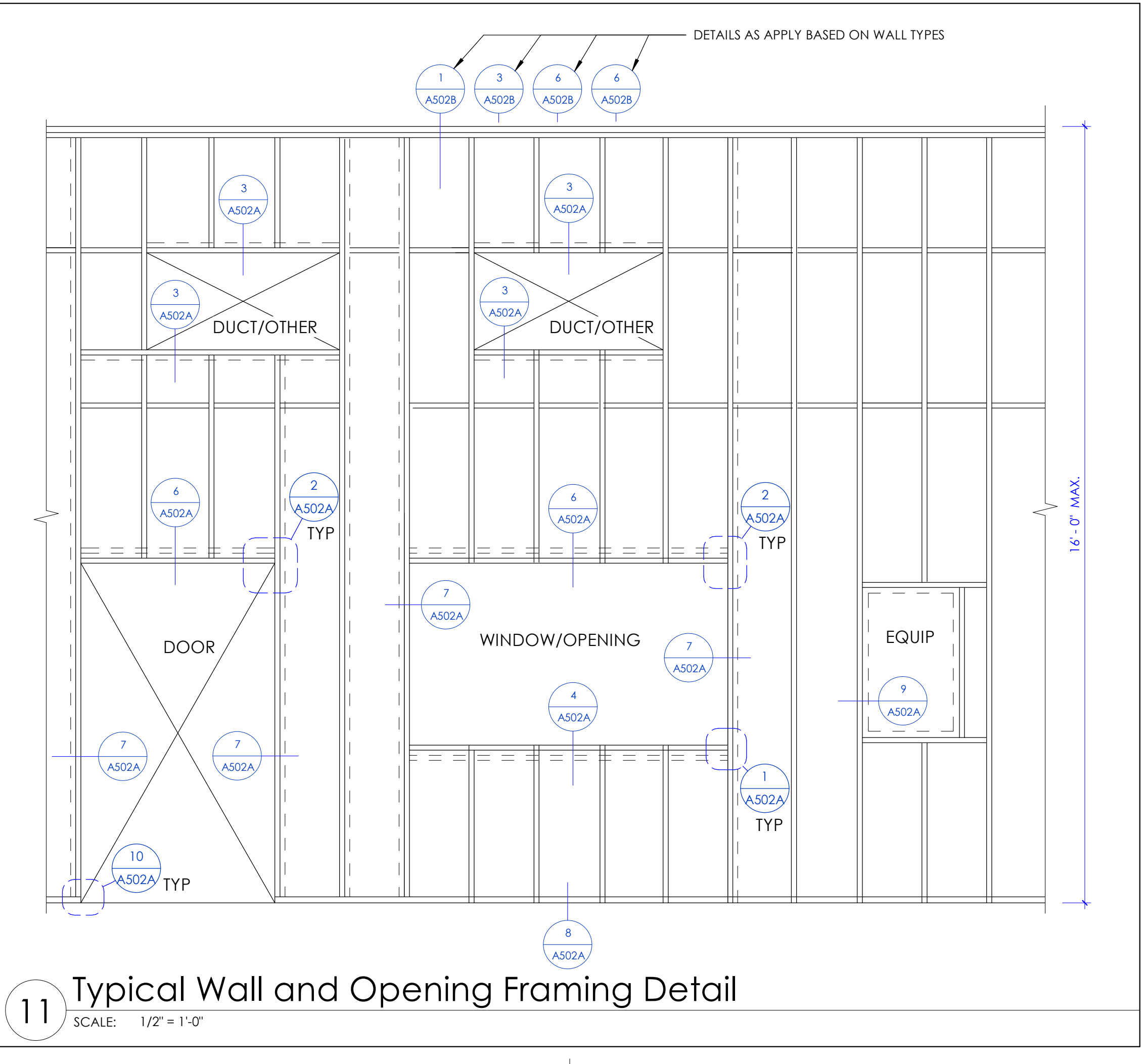
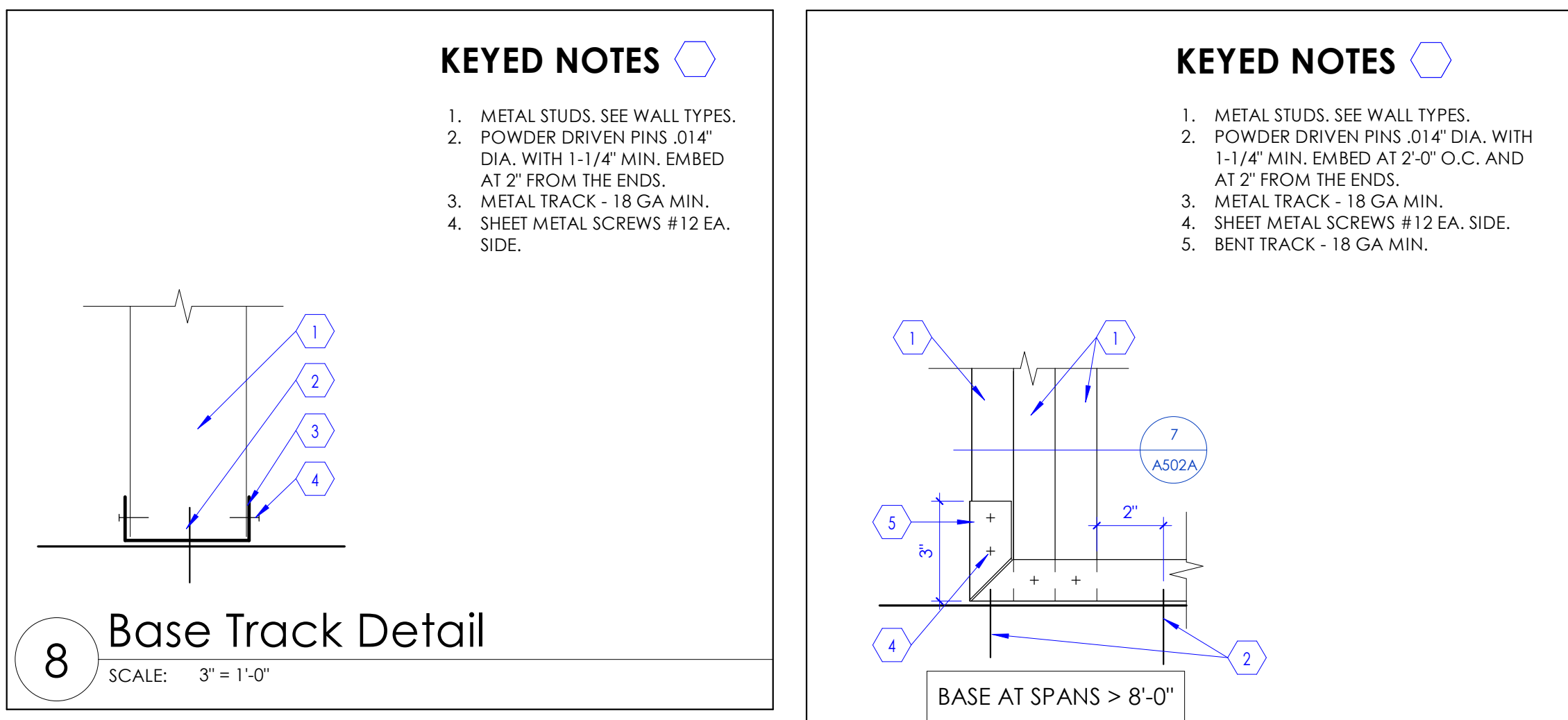
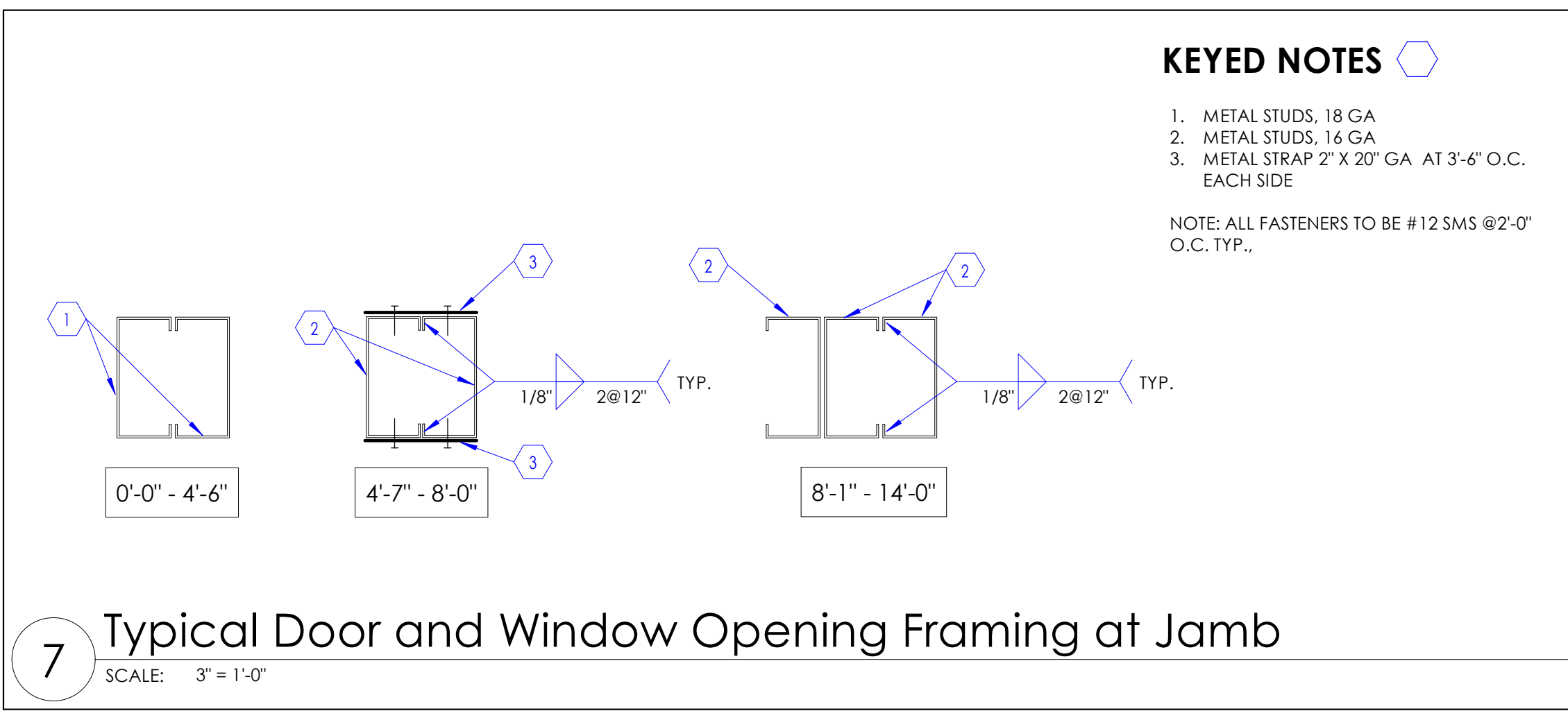
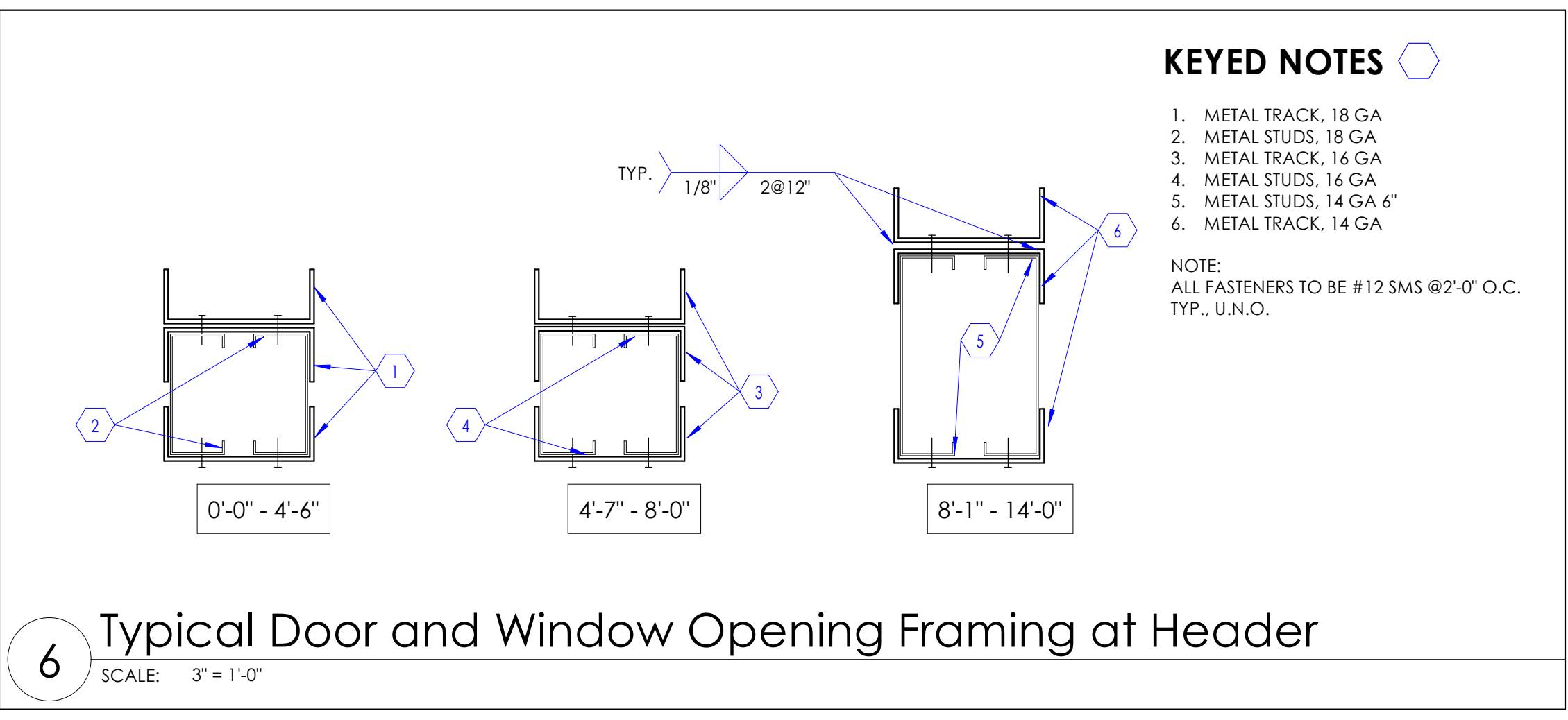
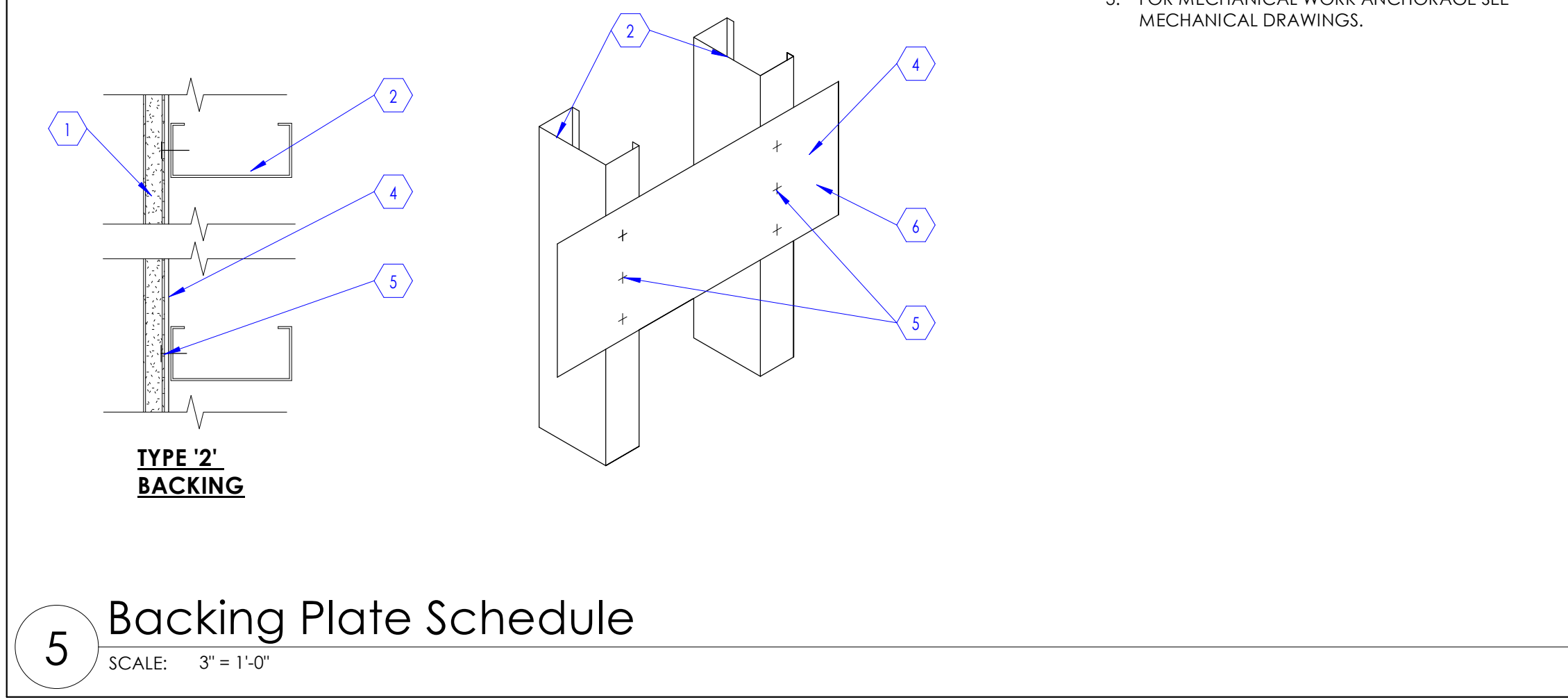
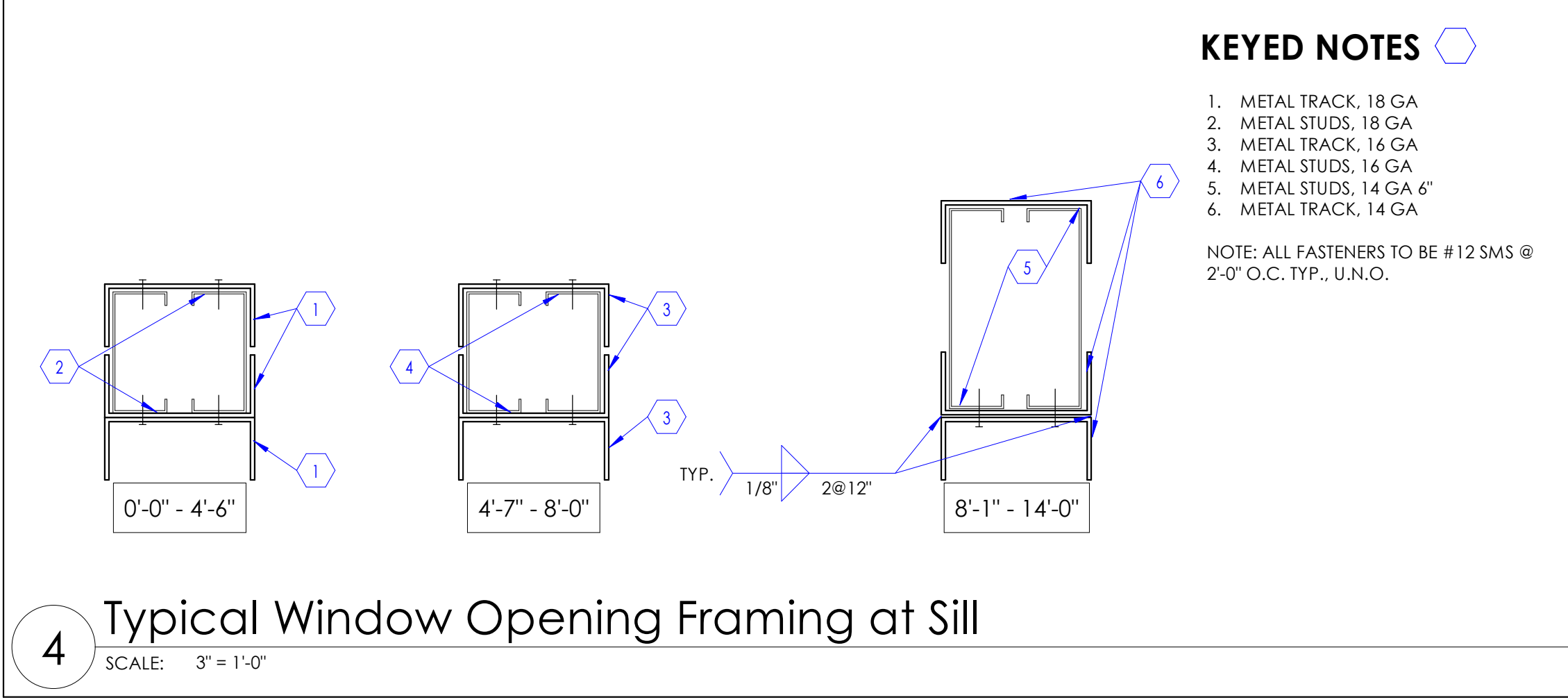
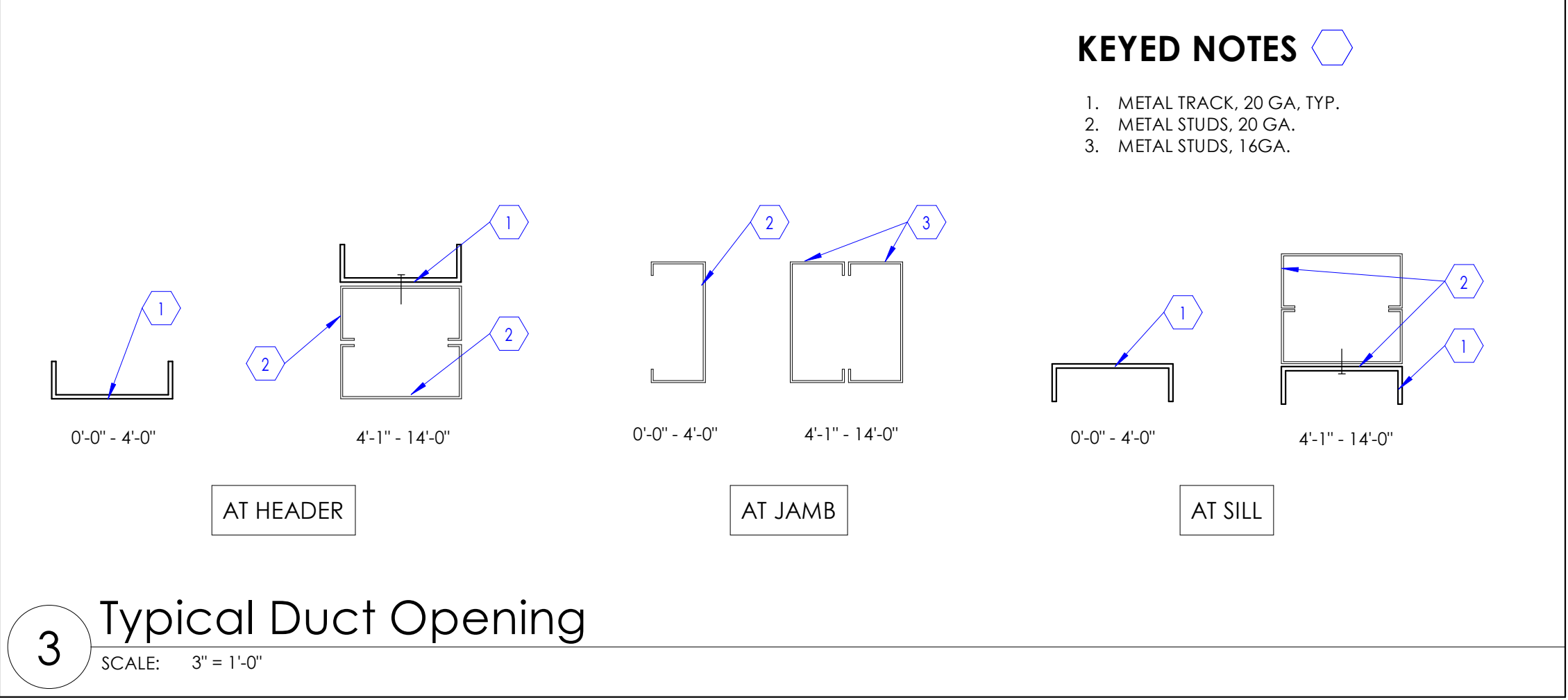
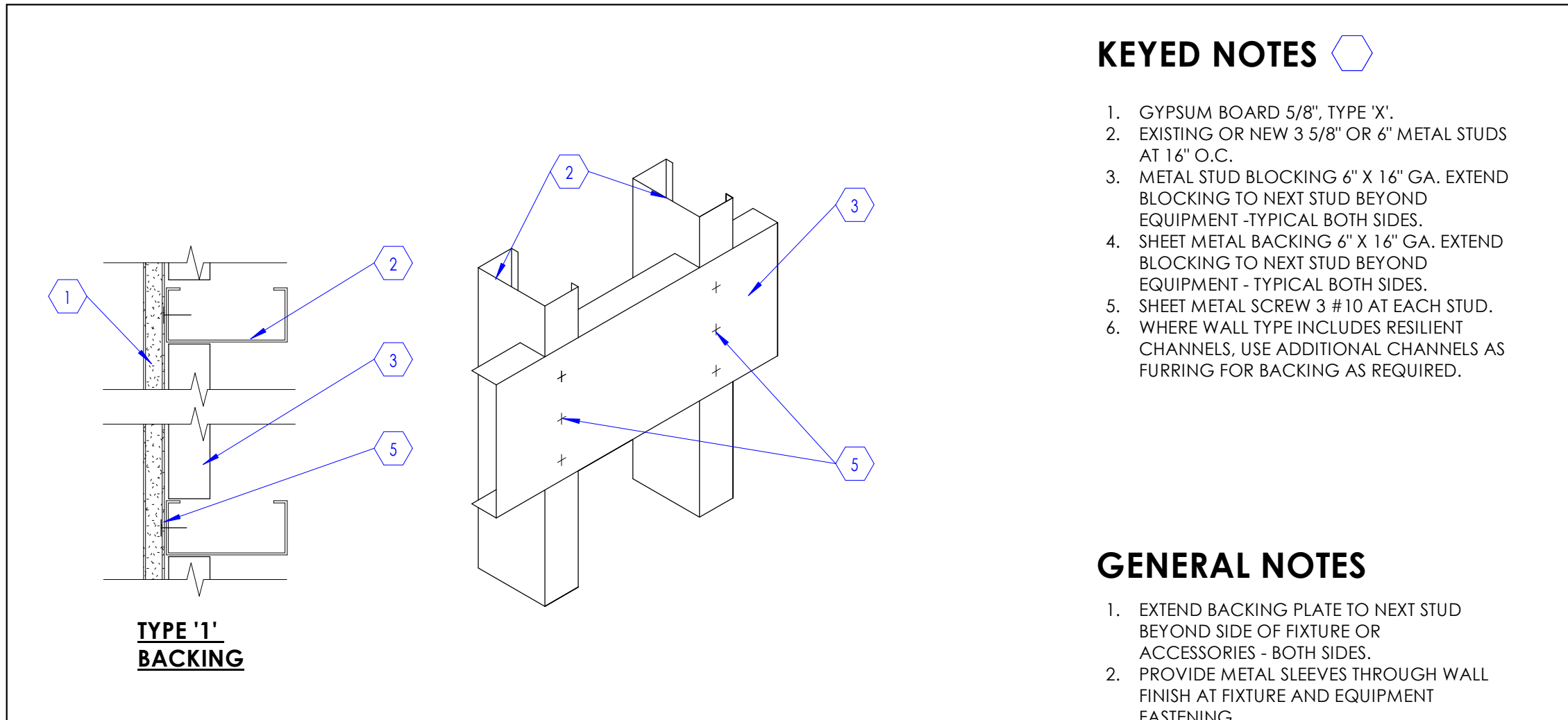
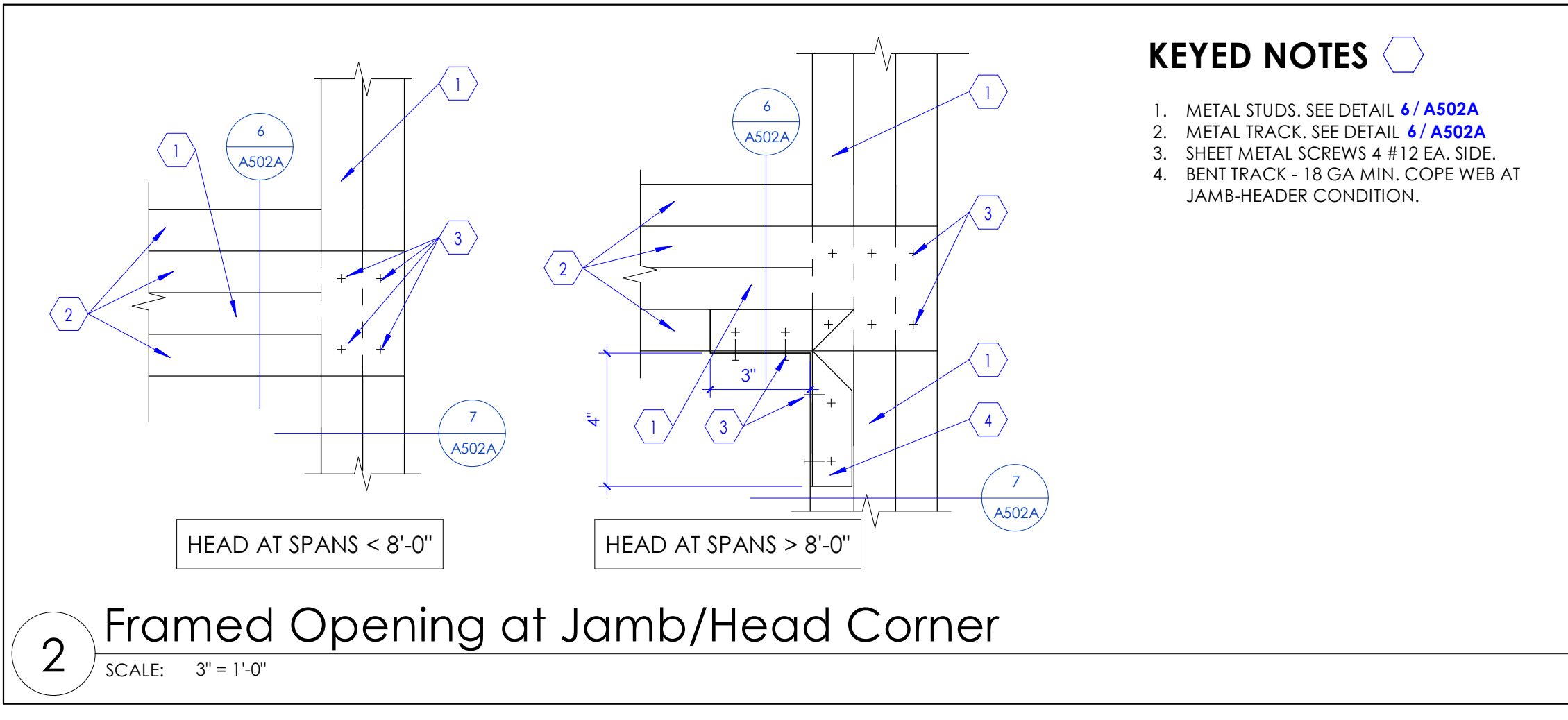
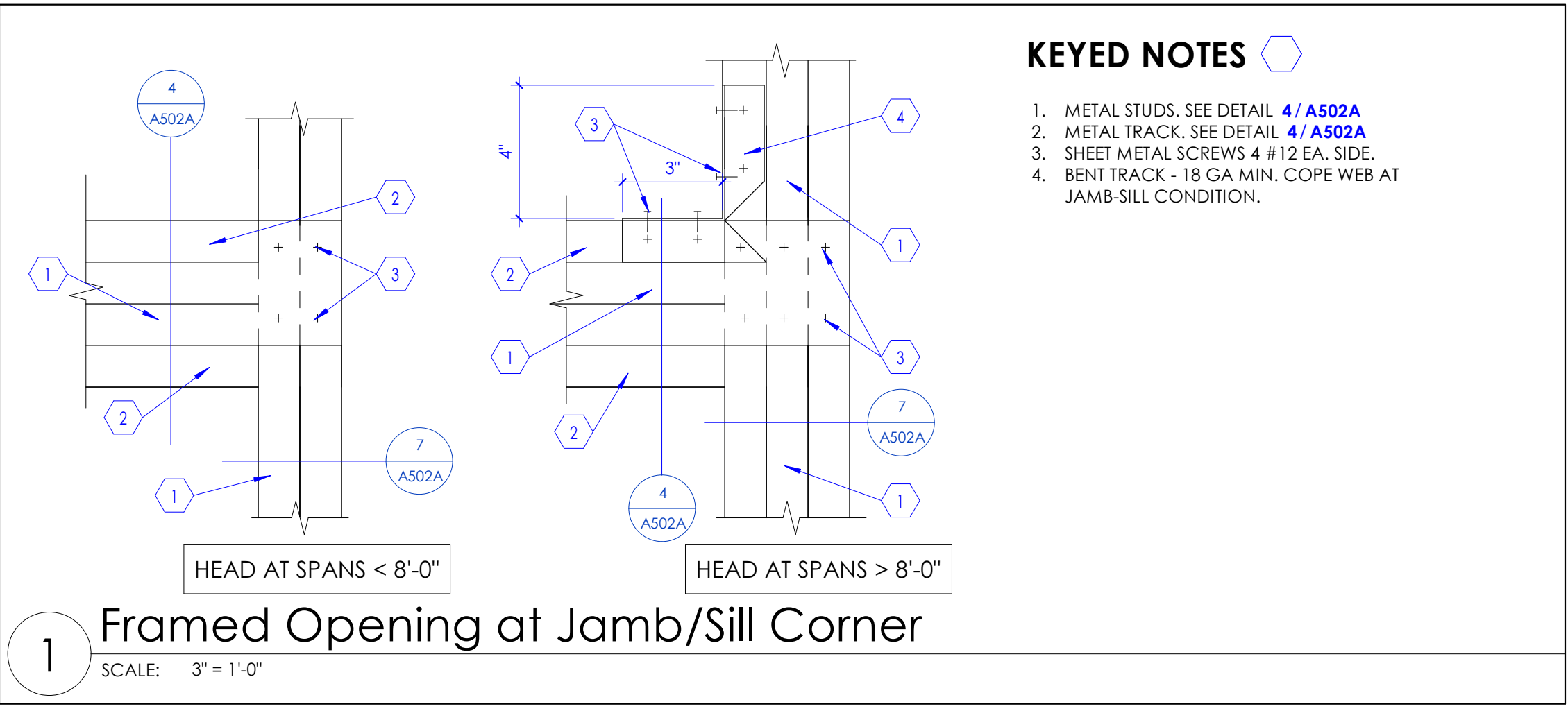
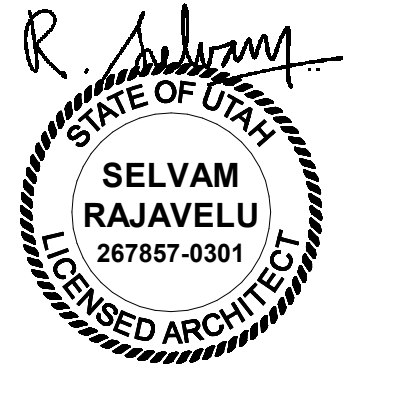
201 W. Layton Parkway
Layton, UT 84041

NJRA Project # 23242.00
Construction Documents March 22, 2024

Wall Types

A501A

1 Wall Types (Note: See dimension floor plans for locations of wall types used in this project. Some wall types shown above may not be used in this project.)
SCALE: 1 1/2" = 1'-0"



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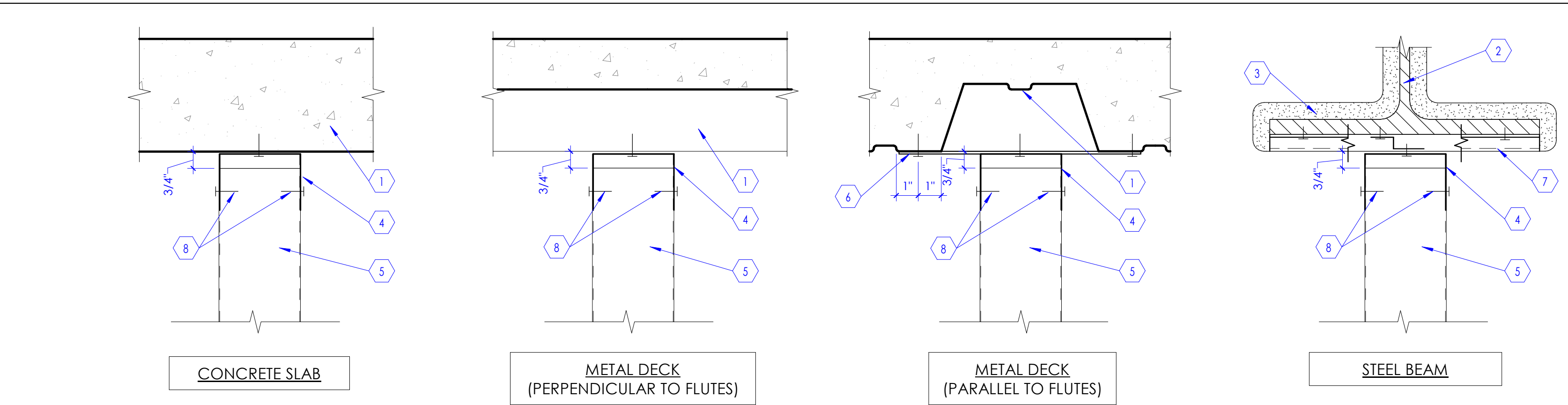
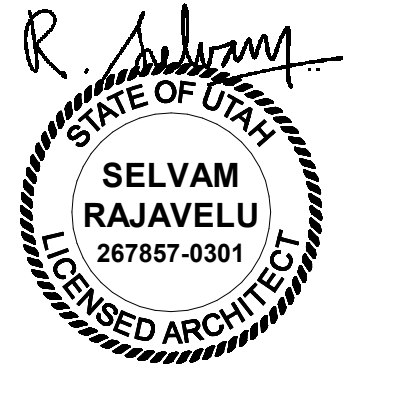
201 W. Layton Parkway
Layton, UT 84041

NJRA Project # 23242.00
Construction Documents March 28, 2024

Wall Details

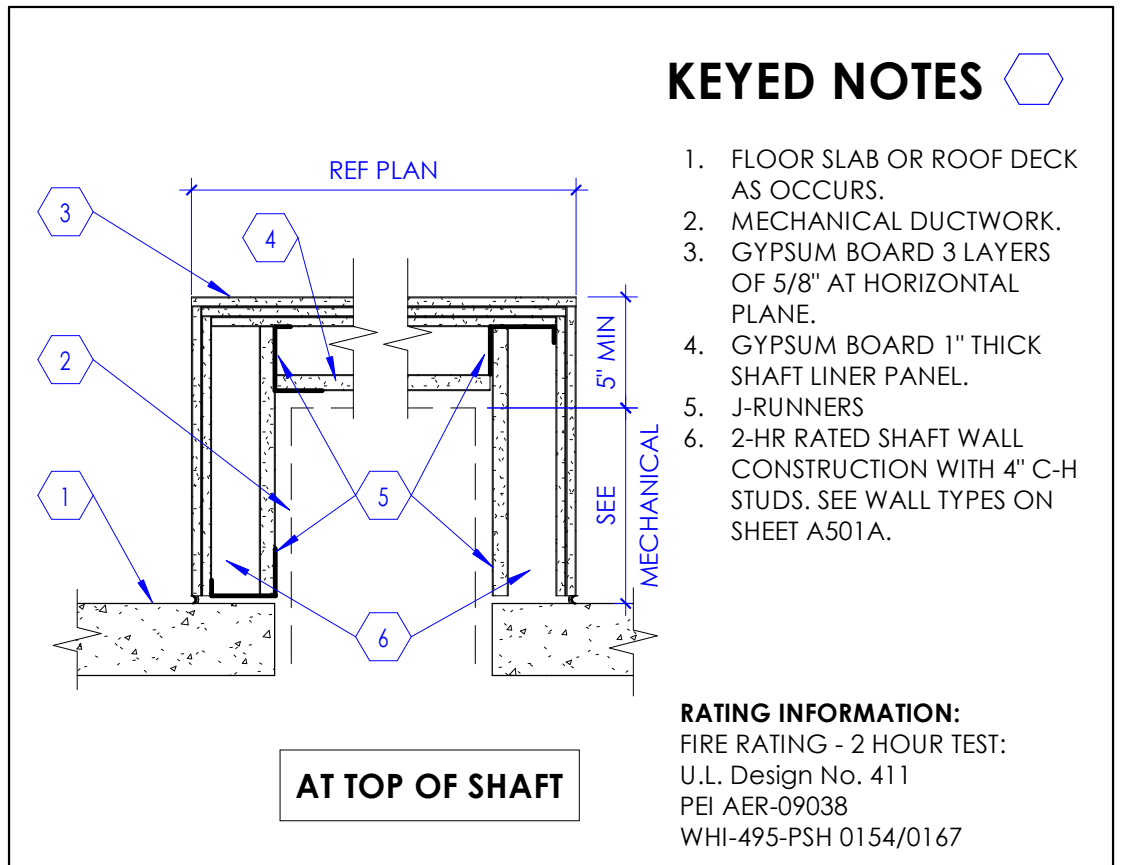
A502A

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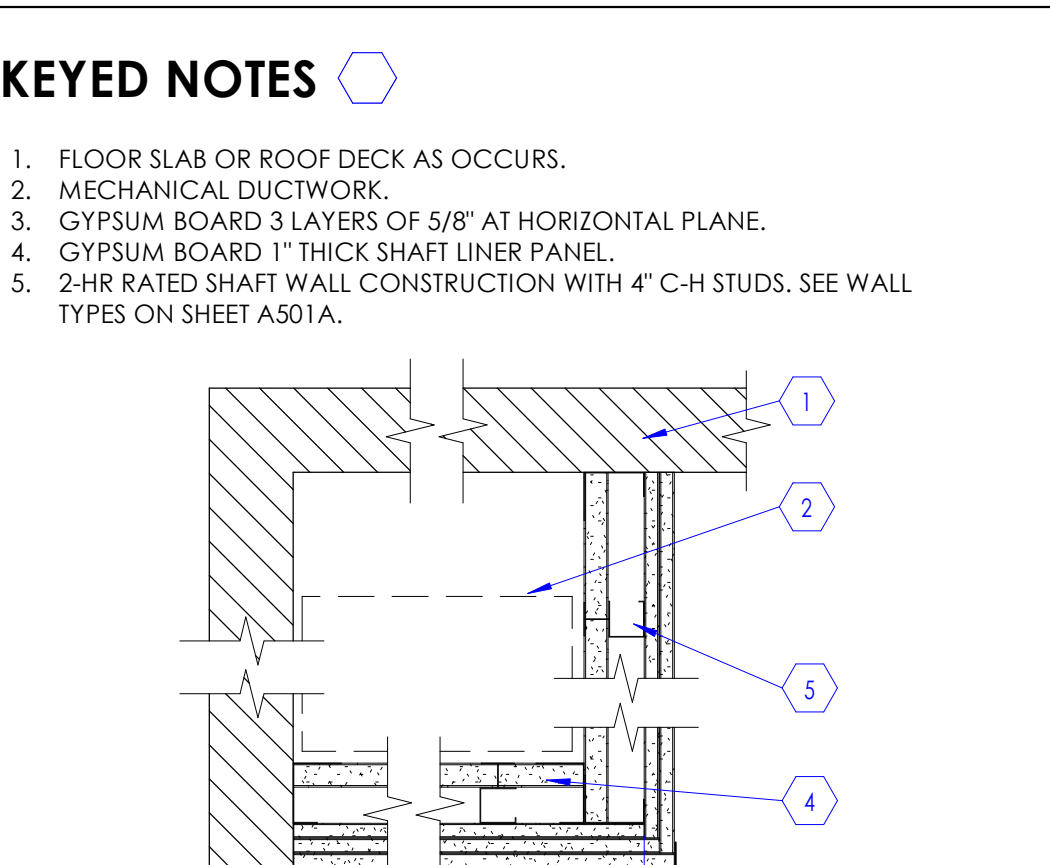
- KEYED NOTES**
- FLOOR OR ROOF DECK AS OCCURS.
 - STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
 - SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
 - SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
 - METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
 - STRAPS 2" x 18" GA AT 16" O.C.
 - Z-BARS 20 GA TO ACCOMMODATE SFRM THICKNESS.

1 Head Condition at Non Fire Rated, Non Smoke Rated and Non Sound Barrier Partitions
SCALE: 3" = 1'-0"



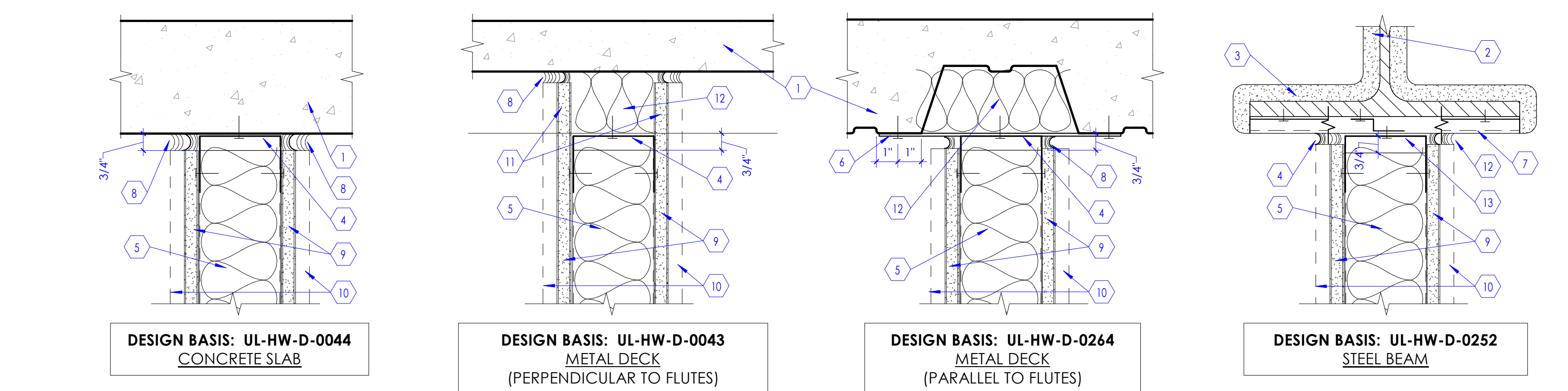
- KEYED NOTES**
- FLOOR SLAB OR ROOF DECK AS OCCURS.
 - MECHANICAL DUCTWORK.
 - GYPSON BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
 - GYPSON BOARD 1" THICK SHAFT LINER PANEL.
 - J-RUNNERS
 - 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.
- RATING INFORMATION:**
FIRE RATING - 2 HOUR TEST:
U.L. Design No. 411
PEI AER-09038
WHI-495-PSH 0154/0167

2 2-HR Enclosure at Top of Shaft
SCALE: 1" = 1'-0"



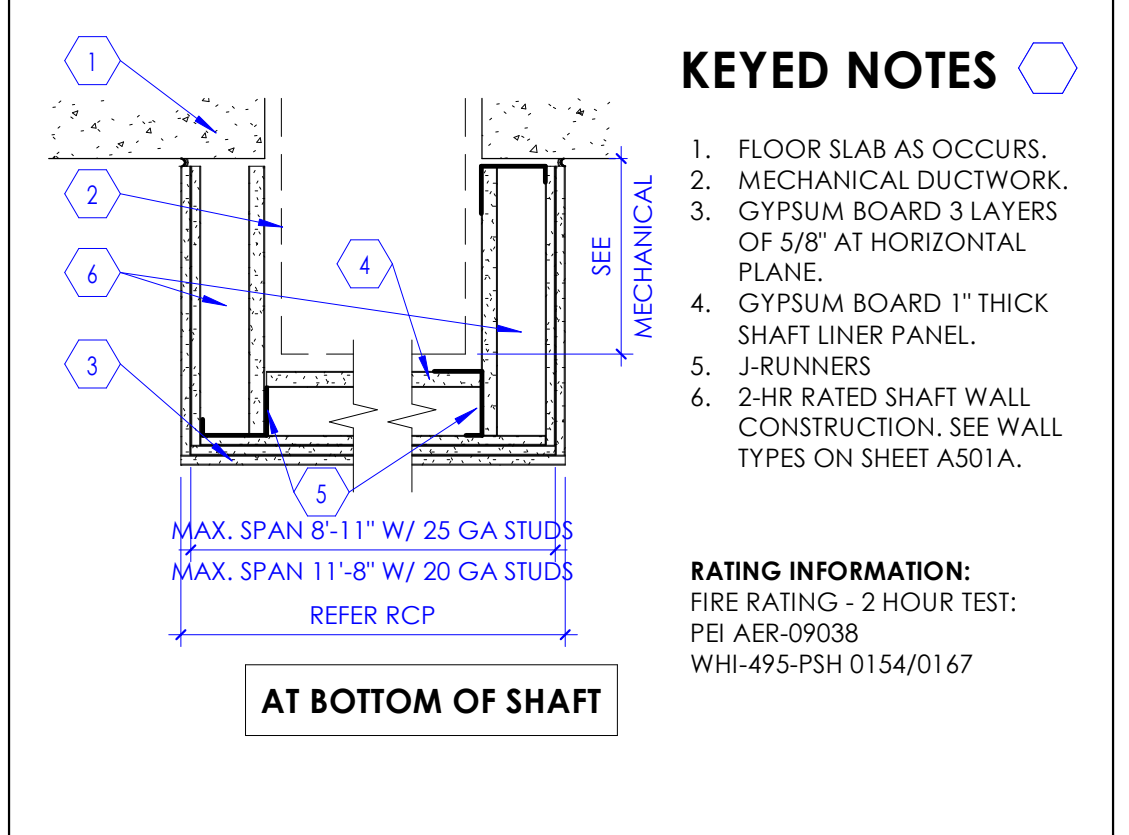
- KEYED NOTES**
- FLOOR SLAB OR ROOF DECK AS OCCURS.
 - MECHANICAL DUCTWORK.
 - GYPSON BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
 - GYPSON BOARD 1" THICK SHAFT LINER PANEL.
 - J-RUNNERS
 - 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.
- RATING INFORMATION:**
HORIZONTAL FIRE RATING - 2 HOUR TEST:
WHI-495-PSH 0154/0167

5 2-HR Horizontal Assembly
SCALE: 1 1/2" = 1'-0"



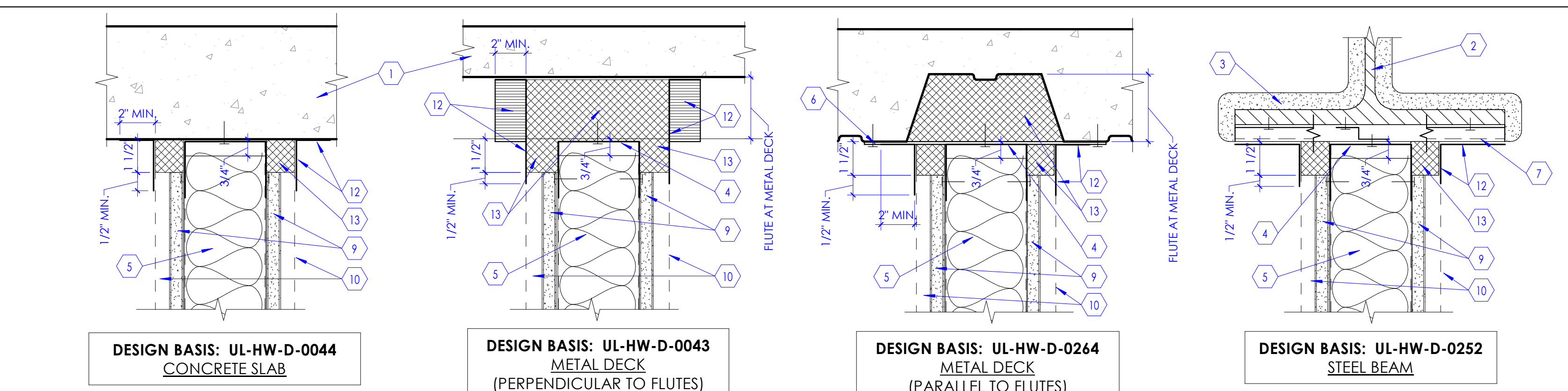
- KEYED NOTES**
- FLOOR OR ROOF DECK AS OCCURS.
 - STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
 - SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
 - SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
 - METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
 - STRAPS 2" x 18" GA AT 16" O.C.
 - Z-BARS, 20 GA TO ACCOMMODATE SFRM THICKNESS.
 - ACOUSTIC SEALANT, CONTINUOUS.
 - GYPSON BOARD, 5/8" THICK. SEE WALL TYPES ON SHEET A501 FOR ADDITIONAL INFORMATION.
 - ADDITIONAL LAYER OF GYP. BD. WHERE OCCURS.
 - GYPSON BOARD CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
 - FILL FLUTE VOID WITH BATT INSULATION.

3 Head Condition at Smoke Partitions and Sound Barrier Walls
SCALE: 3" = 1'-0"



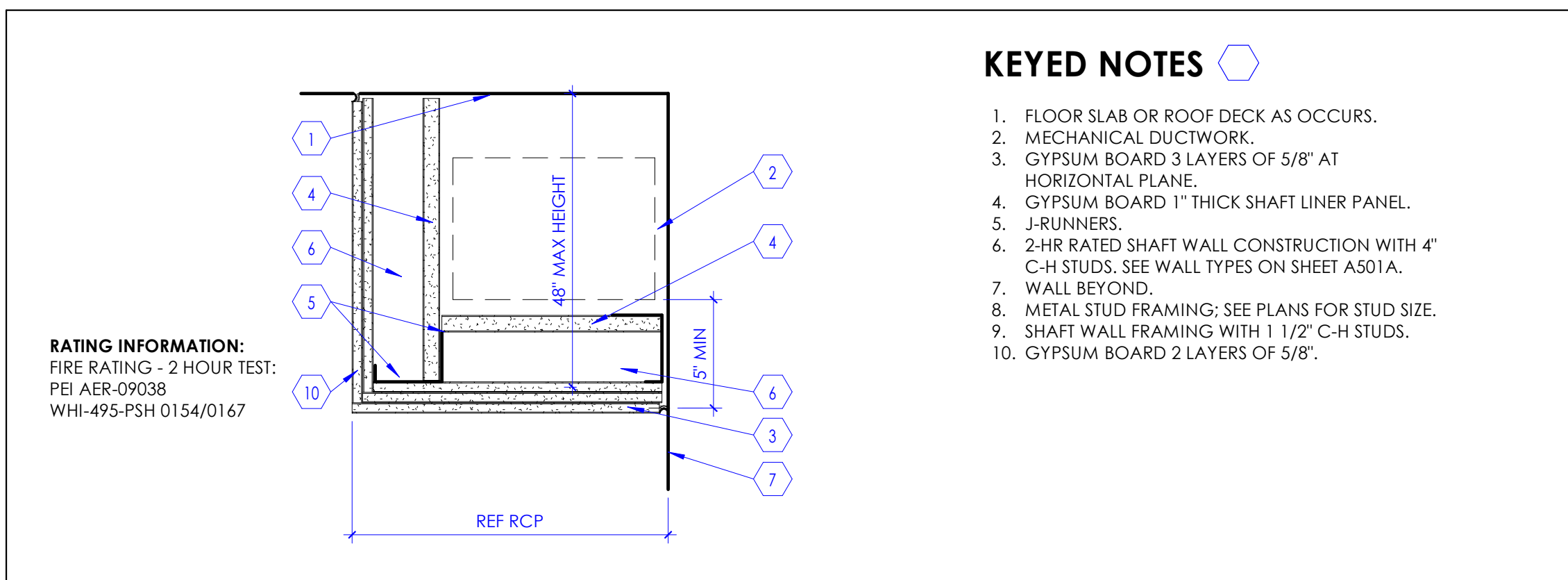
- KEYED NOTES**
- FLOOR SLAB OR ROOF DECK AS OCCURS.
 - MECHANICAL DUCTWORK.
 - GYPSON BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
 - GYPSON BOARD 1" THICK SHAFT LINER PANEL.
 - J-RUNNERS
 - 2-HR RATED SHAFT WALL CONSTRUCTION. SEE WALL TYPES ON SHEET A501A.
- RATING INFORMATION:**
FIRE RATING - 2 HOUR TEST:
PEI AER-09038
WHI-495-PSH 0154/0167

4 2-HR Enclosure at B.O. Shaft
SCALE: 1" = 1'-0"



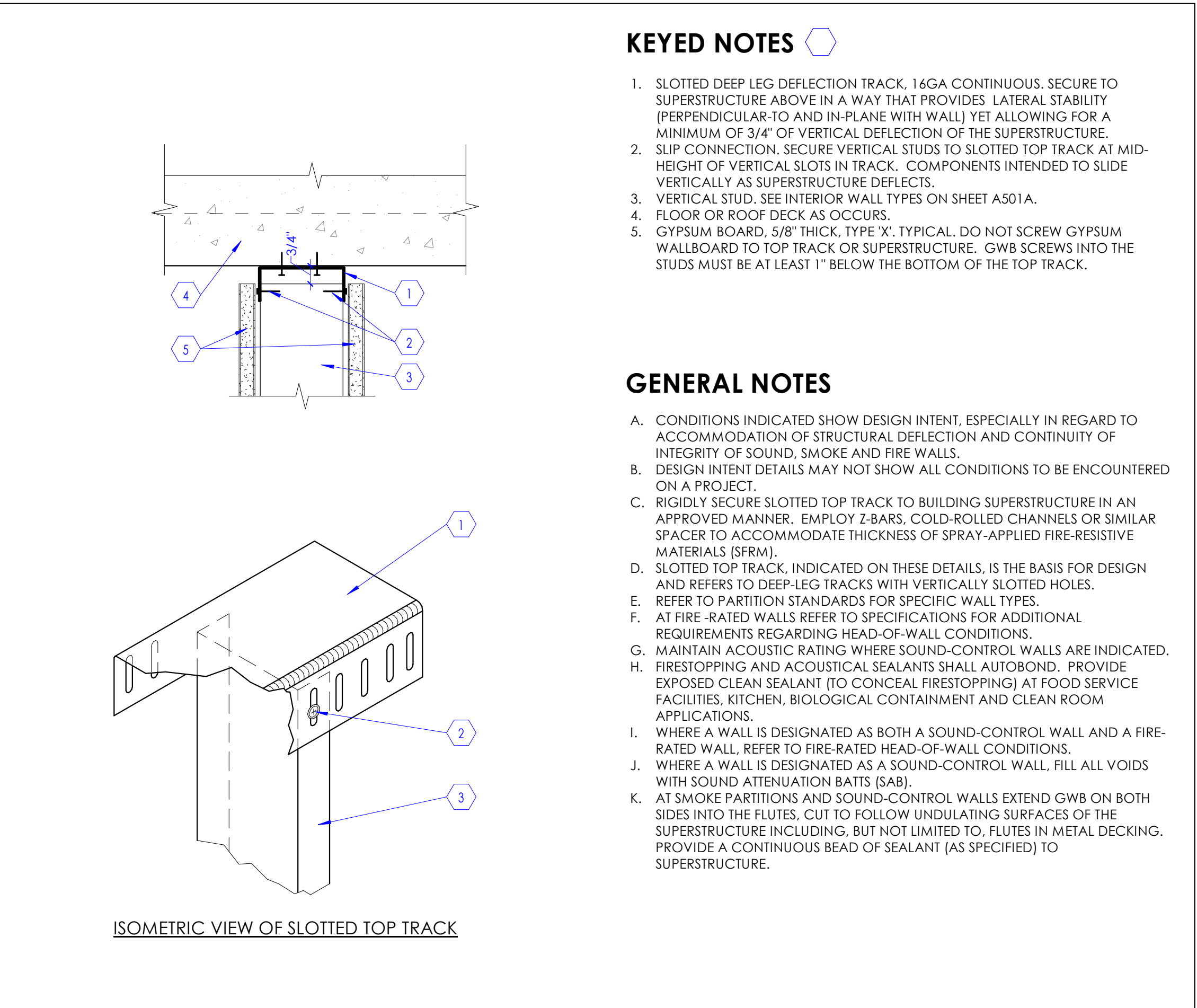
- KEYED NOTES**
- FLOOR OR ROOF DECK AS OCCURS.
 - STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
 - SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
 - SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
 - METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
 - STRAPS 2" x 18" GA AT 16" O.C.
 - Z-BARS, 20 GA TO ACCOMMODATE SFRM THICKNESS.
 - ACOUSTIC SEALANT, CONTINUOUS.
 - GYPSON BOARD, 5/8" THICK, TYPE 'X'.
 - ADDITIONAL LAYER OF GYP. BD. AT 2-HR RATED WALLS.
 - GYPSON BOARD CUT TO FOLLOW PROFILE OF DECKING AT SMOKE PARTITION BOTH AT SOUND WALLS.
 - FIRE STOP JOINT SPRAY.
 - MINERAL WOOL 4 LB. FRICTION FIT BETWEEN TOP TRACK AND FLUTE.

6 Head Condition at Fire Rated Partitions
SCALE: 3" = 1'-0"



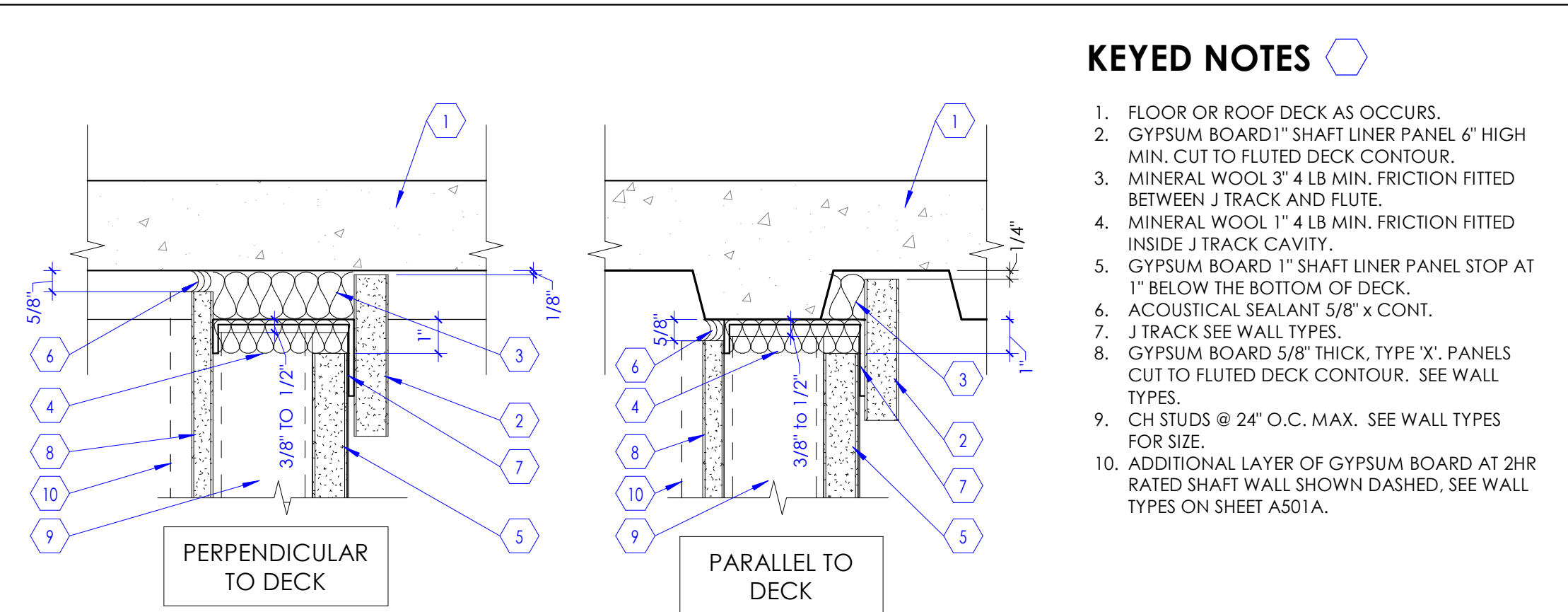
- KEYED NOTES**
- FLOOR SLAB OR ROOF DECK AS OCCURS.
 - MECHANICAL DUCTWORK.
 - GYPSON BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
 - GYPSON BOARD 1" THICK SHAFT LINER PANEL.
 - J-RUNNERS
 - 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.
 - WALL BEYOND.
 - METAL STUD FRAMING. SEE PLANS FOR STUD SIZE.
 - SHAFT WALL FRAMING WITH 1 1/2" C-H STUDS.
 - GYPSON BOARD 2 LAYERS OF 5/8".
- RATING INFORMATION:**
FIRE RATING - 2 HOUR TEST:
PEI AER-09038
WHI-495-PSH 0154/0167

8 2-HR Horizontal Enclosure
SCALE: 1 1/2" = 1'-0"



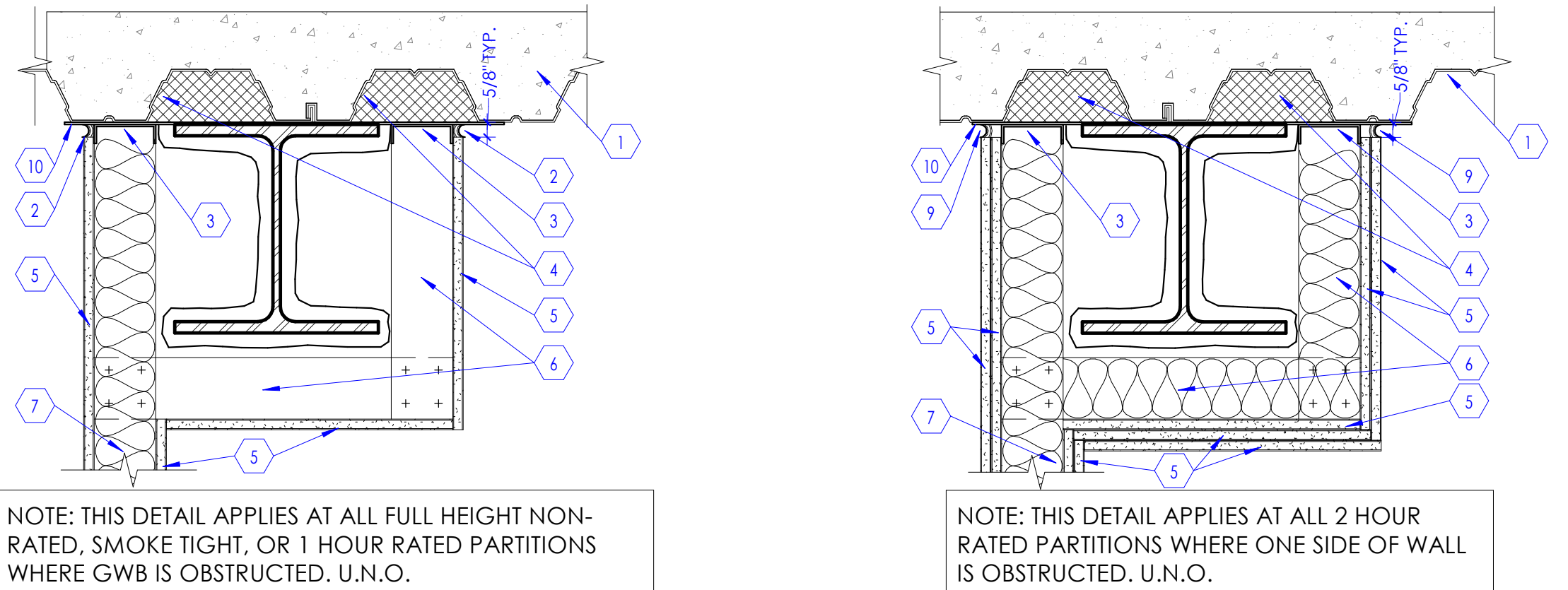
- KEYED NOTES**
- SLOTTED DEEP LEG DEFLECTION TRACK, 1/4" CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
 - SLIP CONNECTION. SECURE VERTICAL STUDS TO SLOTTED TOP TRACK AT MID-HEIGHT OF VERTICAL SLOTS IN TRACK. COMPONENTS INTENDED TO SLIDE VERTICALLY AS SUPERSTRUCTURE DEFLECTS.
 - VERTICAL STUD. SEE INTERIOR WALL TYPES ON SHEET A501A.
 - FLOOR OR ROOF DECK AS OCCURS.
 - GYPSON BOARD, 5/8" THICK, TYPE 'X'. TYPICAL. DO NOT SCREW GYPSON WALLBOARD TO TOP TRACK OR SUPERSTRUCTURE. GWS SCREWS INTO THE STUDS MUST BE AT LEAST 1" BELOW THE BOTTOM OF THE TOP TRACK.
- GENERAL NOTES**
- CONDITIONS INDICATED SHOW DESIGN INTENT, ESPECIALLY IN REGARD TO ACCOMMODATION OF STRUCTURAL DEFLECTION AND CONTINUITY OF INTEGRITY OF SOUND, SMOKE AND FIRE WALLS.
 - DESIGN INTENT DETAILS MAY NOT SHOW ALL CONDITIONS TO BE ENCOUNTERED ON A PROJECT.
 - RIGIDLY SECURE SLOTTED TOP TRACK TO BUILDING SUPERSTRUCTURE IN AN APPROVED MANNER. END BY Z-BARS, COLD-ROLLED CHANNELS OR SIMILAR SPACER TO ACCOMMODATE THICKNESS OF SPRAY-APPLIED FIRE-RESISTIVE MATERIALS (SFRM).
 - SLOTTED TOP TRACK, INDICATED ON THESE DETAILS, IS THE BASIS FOR DESIGN AND REFERS TO DEEP-LEG TRACKS WITH VERTICALLY SLOTTED HOLES.
 - REFER TO PARTITION STANDARDS FOR SPECIFIC WALL TYPES.
 - AT FIRE-RATED WALLS REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING HEAD-OF-WALL CONDITIONS.
 - MAINTAIN ACOUSTIC RATINGS WHERE SOUND-CONTROL WALLS ARE INDICATED.
 - FIRESTOPPING AND ACOUSTICAL SEALANTS SHALL AUTOBOND. PROVIDE EXPOSED CLEAN SEALANT (TO CONCEAL FIRESTOPPING) AT FOOD SERVICE FACILITIES, KITCHEN, BIOLOGICAL CONTAINMENT AND CLEAN ROOM APPLICATIONS.
 - WHERE A WALL IS DESIGNATED AS BOTH A SOUND-CONTROL WALL AND A FIRE-RATED WALL, REFER TO FIRE-RATED HEAD-OF-WALL CONDITIONS.
 - WHERE A WALL IS DESIGNATED AS A SOUND-CONTROL WALL, FILL ALL VOIDS WITH SOUND ATTENUATION BATTS (SAB).
 - AT SMOKE PARTITIONS AND SOUND-CONTROL WALLS EXTEND GWS ON BOTH SIDES INTO THE FLUTES, BUT NOT LIMITED TO, FLUTES IN METAL DECKING. PROVIDE A CONTINUOUS BEAD OF SEALANT (AS SPECIFIED) TO SUPERSTRUCTURE.

9 Slip Connection Detail
SCALE: 3" = 1'-0"



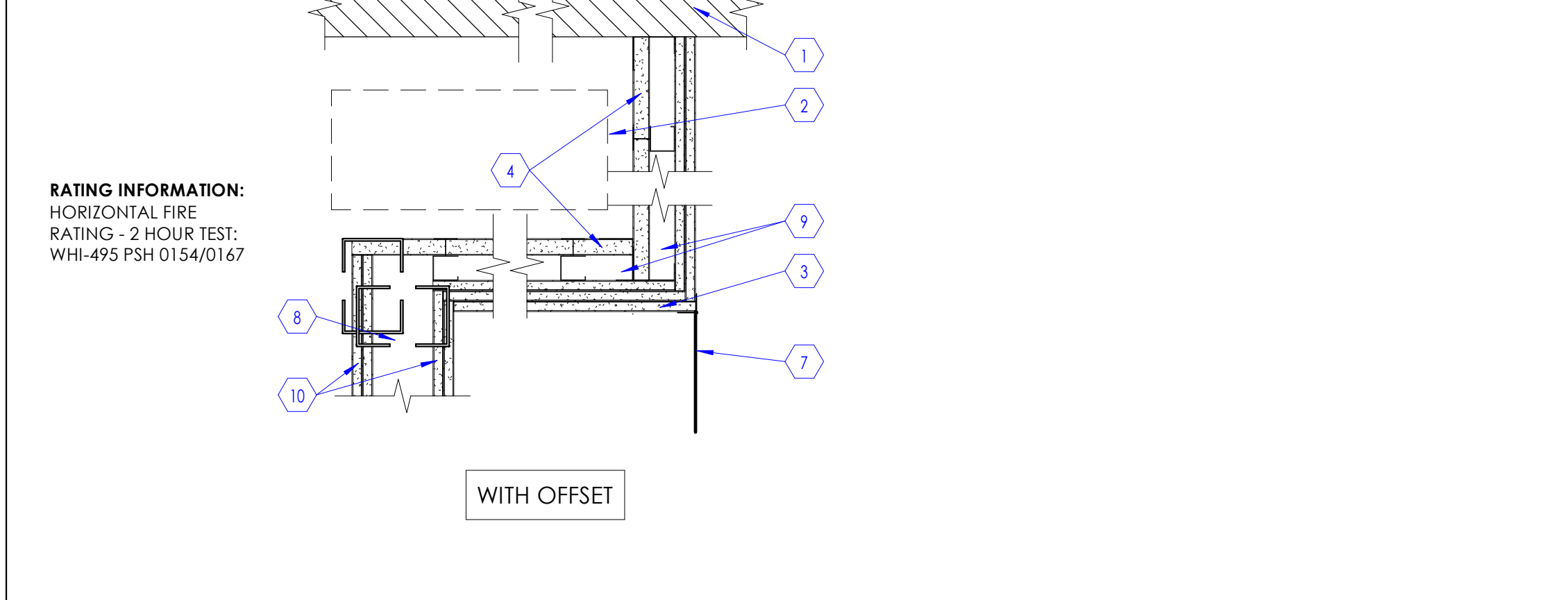
- KEYED NOTES**
- FLOOR OR ROOF DECK AS OCCURS.
 - GYPSON BOARD 1" SHAFT LINER PANEL 6" HIGH MIN. CUT TO FLUTED DECK CONTOUR.
 - MINERAL WOOL 3" 4 LB MIN. FRICTION FITTED BETWEEN J TRACK AND FLUTE.
 - MINERAL WOOL 1" 4 LB MIN. FRICTION FITTED INSIDE J TRACK CAVITY.
 - GYPSON BOARD 1" SHAFT LINER PANEL STOP AT 1" BELOW THE BOTTOM OF DECK.
 - ACOUSTICAL SEALANT 5/8" x CONT.
 - J TRACK SEE WALL TYPES.
 - GYPSON BOARD 5/8" THICK, TYPE 'X'. PANELS CUT TO FLUTED DECK CONTOUR. SEE WALL TYPES.
 - C-H STUDS @ 24" O.C. MAX. SEE WALL TYPES FOR SIZE.
 - ADDITIONAL LAYER OF GYPSON BOARD AT 2HR RATED SHAFT WALL SHOWN DASHED. SEE WALL TYPES ON SHEET A501A.

7 Head Detail at Shaft Wall
SCALE: 3" = 1'-0"



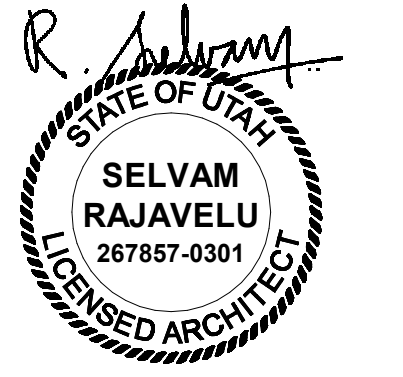
- KEYED NOTES**
- FLOOR OR ROOF DECK AS OCCURS.
 - CONTINUOUS ACOUSTIC/SMOKE SEALANT/FIRE STOP AS REQUIRED EACH SIDE.
 - SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
 - FILL FLUTE AT METAL DECK WITH CONTINUOUS 4LB MINERAL WOOL. FRICTION FIT BETWEEN TOP TRACK AND FLUTE.
 - GYPSON BOARD, 5/8" THICK, TYPE 'X'. TYPICAL.
 - METAL STUDS AT 16" O.C. MATCH PARTITION TYPE, PACK FULL WITH INSULATION AS REQUIRED.
 - PARTITION WALL AS SCHEDULE.
 - SHAFT WALL AS SCHEDULE.
 - FIRE STOP AS REQUIRED.
 - STRAPS, 2" x 18" GA AT 16" O.C.
- NOTE:** THIS DETAIL APPLIES AT ALL FULL HEIGHT NON-RATED, SMOKE TIGHT, OR 1 HOUR RATED PARTITIONS WHERE GWS IS OBSTRUCTED. U.N.O.
- NOTE:** THIS DETAIL APPLIES AT ALL 2 HOUR RATED PARTITIONS WHERE ONE SIDE OF WALL IS OBSTRUCTED. U.N.O.

10 Alternate Framing Details at Rated Walls
SCALE: 1 1/2" = 1'-0"



- KEYED NOTES**
- FLOOR OR ROOF DECK AS OCCURS.
 - CONTINUOUS ACOUSTIC/SMOKE SEALANT/FIRE STOP AS REQUIRED EACH SIDE.
 - SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
 - FILL FLUTE AT METAL DECK WITH CONTINUOUS 4LB MINERAL WOOL. FRICTION FIT BETWEEN TOP TRACK AND FLUTE.
 - GYPSON BOARD, 5/8" THICK, TYPE 'X'. TYPICAL.
 - METAL STUDS AT 16" O.C. MATCH PARTITION TYPE, PACK FULL WITH INSULATION AS REQUIRED.
 - PARTITION WALL AS SCHEDULE.
 - SHAFT WALL AS SCHEDULE.
 - FIRE STOP AS REQUIRED.
 - STRAPS, 2" x 18" GA AT 16" O.C.
- NOTE:** THIS DETAIL APPLIES AT ALL SHAFTWALL CONDITIONS WHERE WALL CANNOT EXTEND FULLY TO DECK. U.N.O.

8 2-HR Horizontal Enclosure
SCALE: 1 1/2" = 1'-0"



KEYED NOTES

1. EXPOSED CROSS GRID MEMBER @ 2'-0" O.C.
2. EXPOSED MAIN GRID MEMBER @ 4'-0" O.C.
3. HANGER WIRE 12 GA. @ 4'-0" O.C. MAX EACH WAY.
4. SEISMIC RESTRAINT. SEE DETAIL 7 / A503A
5. SLOTTED ANGLE SPACER.

NOTE:
EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

1 Typical Acoustical Ceiling Suspension
SCALE: 1/8" = 1'-0"

KEYED NOTES

1. MAIN RUNNER 1 1/2" @ 4'-0" O.C.
2. FURRING CHANNEL @ 1'-4" O.C.
3. HANGER WIRE 8 GA. @ 4'-0" O.C. MAX EACH WAY
4. SEISMIC RESTRAINT. SEE DETAIL 8 / A503A

2 Typical Gypsum Bd Ceiling Suspension
SCALE: 1/8" = 1'-0"

KEYED NOTES

1. CONCRETE OVER METAL DECK OR CONCRETE PAN & JOIST SYSTEM.
2. CONTINUOUS METAL PLATE 10 GA X 1'-4" WIDE WITH (2) 1/4" EXPANSION BOLTS.
3. LONG LEG TRACK 16 GA WITH (2) #12 S.M.S. @ 16" O.C.
4. METAL STUD 18 GA MIN. 3-5/8" @ 4'-0" O.C.
5. PL WASHER 1/8" X 3" X 3"

3 Typical Suspended Stud Attachment To Concrete Deck
SCALE: 3" = 1'-0"

KEYED NOTES

1. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GAUGE MIN.
2. PROVIDE 3/4" GAP BETWEEN CEILING GRID AND ANGLE ON TWO ADJACENT SIDES OF THE ROOM. DO NOT ATTACH CEILING GRID TO WALL ANGLE.
3. ATTACH CEILING GRID TO WALL ANGLE ON TWO ADJACENT SIDES OF THE ROOM (FIXED SIDES).
4. EXPOSED CROSS RUNNER ATTACHED TO MAIN RUNNERS.
5. ACOUSTICAL CEILING TILES. SEE CEILING PLANS.
6. 7/8" SUPPORTING CLOSURE ANGLE AT CEILING PERIMETER ATTACHED TO WALL.
7. EXPOSED MAIN RUNNER SHALL BE HEAVY DUTY T-BAR GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE. THIS END OF THE GRID SHALL REST UPON AND BE FREE TO SLIDE ON THE CLOSURE ANGLE.
8. LINE OF WALL.
9. SEISMIC CLIPS. BASIS OF DESIGN ARMSTRONG BERC 2 CLIPS IN LIEU OF 2" WALL ANGLE PER ICC-ESR 1308.

NOTE:
EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

4 Ceiling Grid Detail
SCALE: 3" = 1'-0"

KEYED NOTES

1. LINE OF STRUCTURE ABOVE.
2. LINE OF WALL.
3. METAL STUD FRAMING (3-5/8" THICK, 18 GAUGE, METAL STUDS AT 16" O.C.) SUSPENDED FROM STRUCTURE ABOVE (OR WALL WHERE OCCURS). CROSS BRACE FRAMING AS REQUIRED FOR STRUCTURAL RIGIDITY.
4. ATTACH 5/8" THICK, TYPE 'X', GYPSUM BOARD TO METAL STUD FRAMING.

5 Ceiling Detail
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. METAL STUD FRAMING 3 5/8" X 18 GA STUDS, SUSPENDED FROM STRUCTURE ABOVE @ 16" O.C. SEE DETAIL 3 / A503A
2. METAL STUD 3-5/8" X 18 GA LATERAL (45 DEGREE) BRACING AT 4'-0" O.C. CONNECT TO STRUCTURE ABOVE.
3. SHEET METAL SCREWS (4) #10.
4. ACOUSTICAL CEILING PANEL. SEE REFLECTED CEILING PLANS.
5. PERIMETER ANGLE MOLDING. SEE DETAIL 4 / A503A
6. GYPSUM BOARD 5/8" TYPE 'X', TYP.
7. HANGER WIRES 12 GA, TYP.

6 Gypsum Board Header
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. RIGID HORIZONTAL RESTRAINT FROM CEILING GRID TO STRUCTURE ABOVE.
2. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GAUGE MIN.

NOTE:
A. CEILING GRIDS IN ROOMS OR AREAS GREATER THAN 1,000 SQ. FT. SHALL HAVE A RIGID HORIZONTAL RESTRAINT FROM CEILING TO STRUCTURE ABOVE AT EVERY 144 SQ. FT.
B. ALL SPLAYED WIRES SHALL BE AT 45 DEGREE ANGLES, 12 GAUGE AND GALVANIZED.
C. WHEN CEILING AREA EXCEEDS 2,500 SQ. FT. PROVIDE SEISMIC SEPARATION JOINT APPROVED BY CEILING GRID MANUFACTURER AND ARCHITECT.

NOTE: EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

7 Ceiling Detail
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. SHEET METAL #12 SCREWS
2. METAL CLIP 12 GA MIN X 3/4" W.
3. MACHINE BOLT 1/2" DIA. MIN.
4. ANGLE STRUT OR CHANNEL
5. METAL CLIP 1" W X 2" X 12 GA. MIN.
6. DIAGONAL HANGER WIRES 12 GA MIN. - 4 SIDES.
7. FURRING CHANNEL, 7/8" THICK, @ 1'-4" O.C. MAXIMUM.
8. METAL RUNNER CHANNELS, 1 1/2" THICK AT 48" O.C.
9. GYPSUM BOARD 5/8" THICK ATTACHED TO METAL FURRING CHANNEL.

8 Gypsum Board Ceiling Seismic Restraint Detail
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. GYPSUM BOARD, 5/8" THICK (USE TYPE 'X' IF WALLS ARE FIRE RATED) ATTACHED TO METAL STUD FRAMING.
2. LINE OF WALL.
3. LINE OF CEILING AS OCCURS. SEE REFLECTED CEILING PLAN FOR CEILING TYPE.
4. METAL STUD FRAMING 3 5/8" THICK, 20 GAUGE STUDS, SUSPENDED FROM STRUCTURE ABOVE. STUDS SHALL BE AT 16" O.C.
5. LINE OF STRUCTURE ABOVE.

9 Gypsum Board Soffit
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. EXPANSION SLEEVES 4"x1 1/4", BASIS OF DESIGN: ARMSTRONG E54. COLOR: WHITE.
2. MAIN BEAM, BASIS OF DESIGN: ARMSTRONG PRELUDE 15/16" XL EXPOSED TEE SYSTEM.
3. SEISMIC SEPARATION JOINT CLIP, BASIS OF DESIGN: ARMSTRONG SJMR-4"x1".
4. SEISMIC SEPARATION JOINT CLIP, BASIS OF DESIGN: ARMSTRONG SJCS-5"x1 1/2".
5. CROSS TEES, BASIS OF DESIGN: ARMSTRONG PRELUDE 15/16" XL EXPOSED TEE SYSTEM.

10 Seismic Separation Joint Clip Detail
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. STEEL BEAM AS OCCURS.
2. STEEL JOIST AS OCCURS.
3. MECHANICAL DUCTS. SEE MECHANICAL DRAWINGS
4. LINE OF WALL.
5. UNISTRUT P1000, 4" LONG SUSPENDED FROM STRUCTURE ABOVE
6. THREADED ROD, 5/8" THICK. PROVIDE NUTS, WASHERS, CLAMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
7. UNISTRUT, P1000, CROSS BRACE TO STRUCTURE. PROVIDE NUTS WASHERS CLAMPS ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
8. UNISTRUT, P1001 @ 2'-0" O.C. SUSPENDED FROM STRUCTURE ABOVE.
9. LIGHT FIXTURE SUSPENDED FROM UNISTRUT ONLY. DO NOT HANG FIXTURES FROM DUCTS.
10. CEILING SEE ROOF FOR HEIGHT. SUSPEND CEILING GRID FROM UNISTRUT ONLY. CONTRACTOR SHALL NOT SUSPEND LIGHTS, GRIDS, ETC. FROM DUCTS.

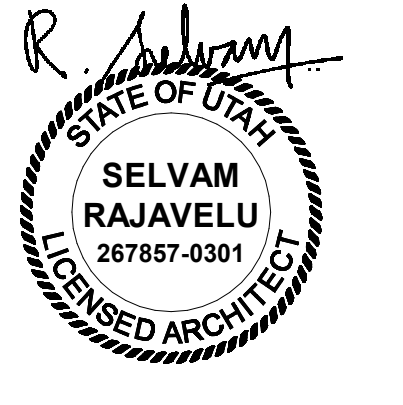
NOTE:
CONTRACTOR SHALL PROVIDE UNISTRUTS AS INDICATED IN THIS DETAIL WHEREVER DUCT INTERFERES WITH CEILING SUSPENSION SYSTEM.

11 Suspended Ceiling Trapeze Detail
SCALE: 1/2" = 1'-0"

KEYED NOTES

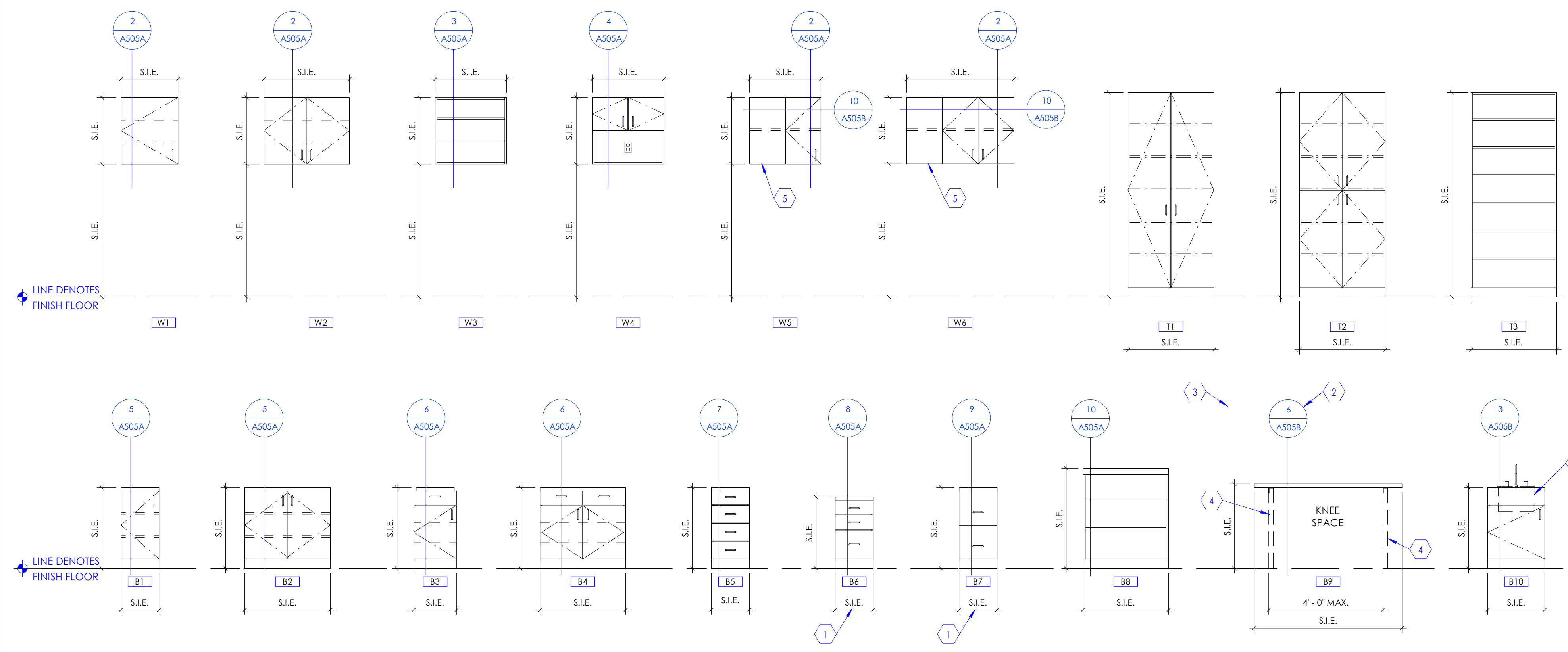
1. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GA MIN.
2. EXPOSED CROSS RUNNER ATTACHED TO MAIN RUNNERS.
3. ACOUSTICAL CEILING TILES. SEE CEILING PLANS.
4. EXPOSED MAIN RUNNER, SUSPENDED FROM STRUCTURE ABOVE.
5. FINISHED SUSPENSION TRIM 4" BY CEILING SUPPLIER.
6. INTERSECTION TEE ATTACHMENT CLIP.
7. TRIM COLOR SHALL MATCH GRID COLOR.

12 Ceiling Trim Detail
SCALE: N.T.S.



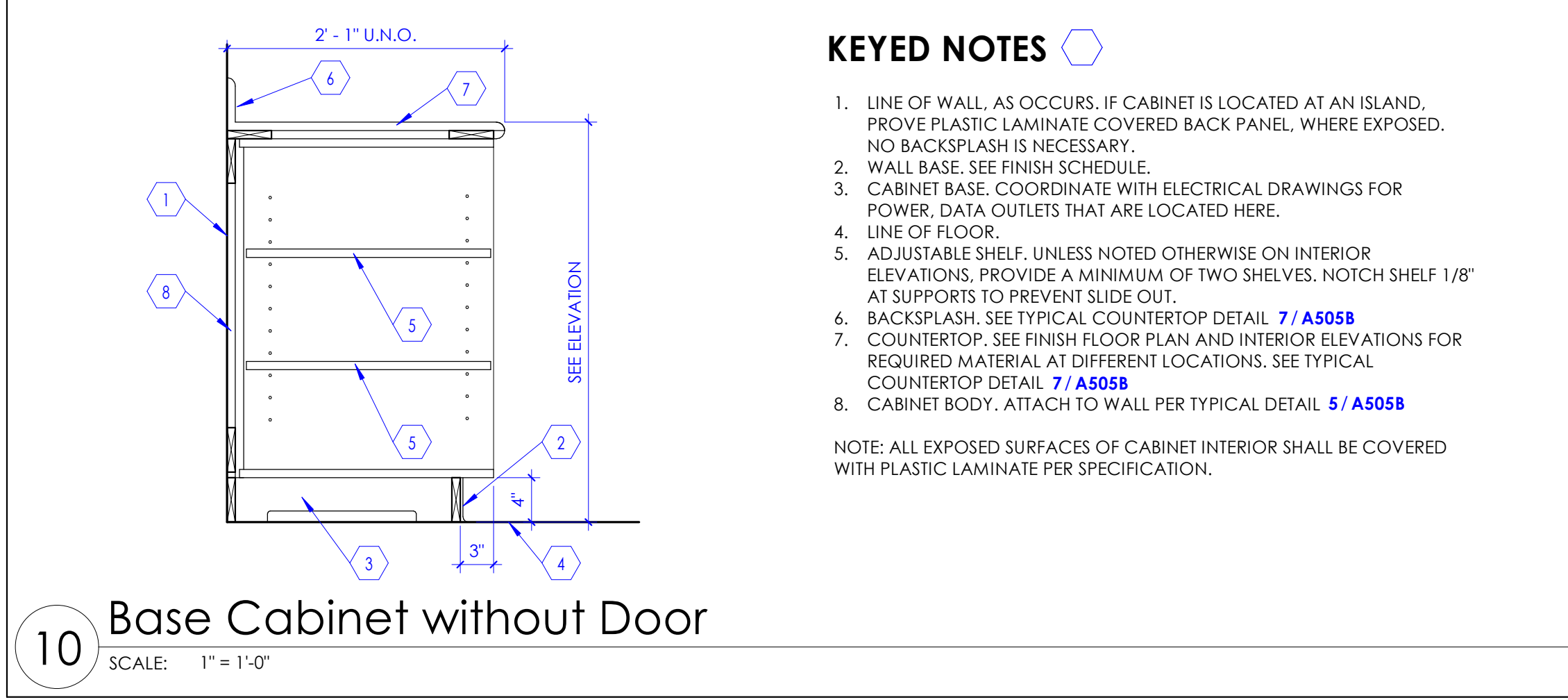
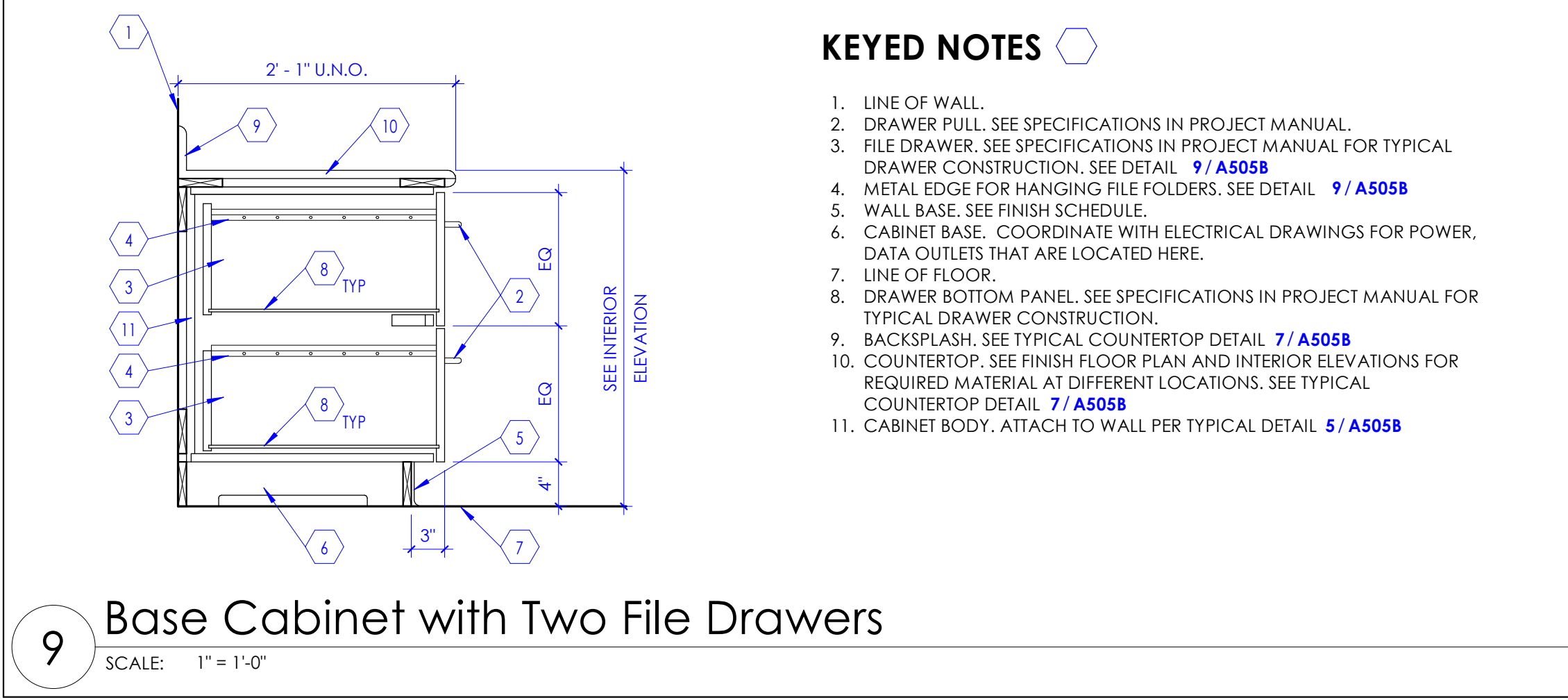
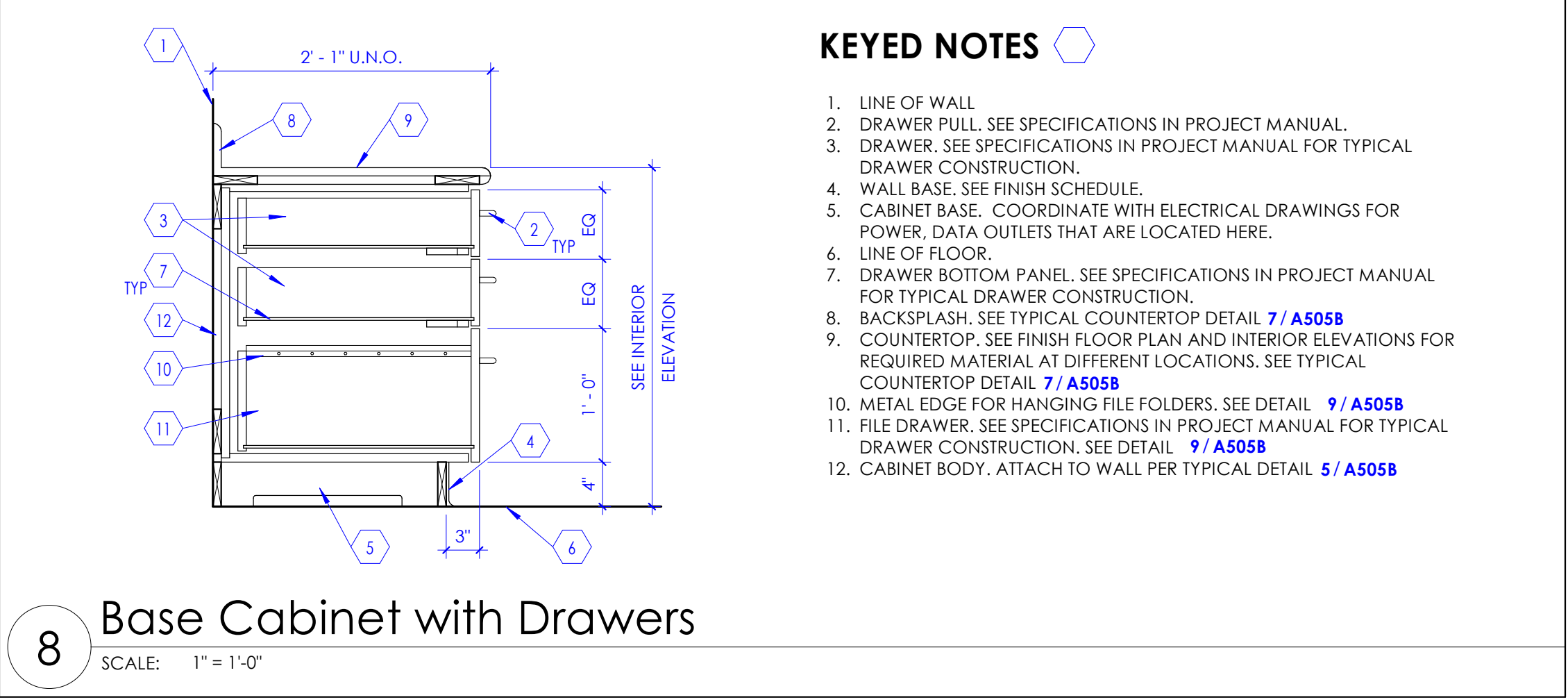
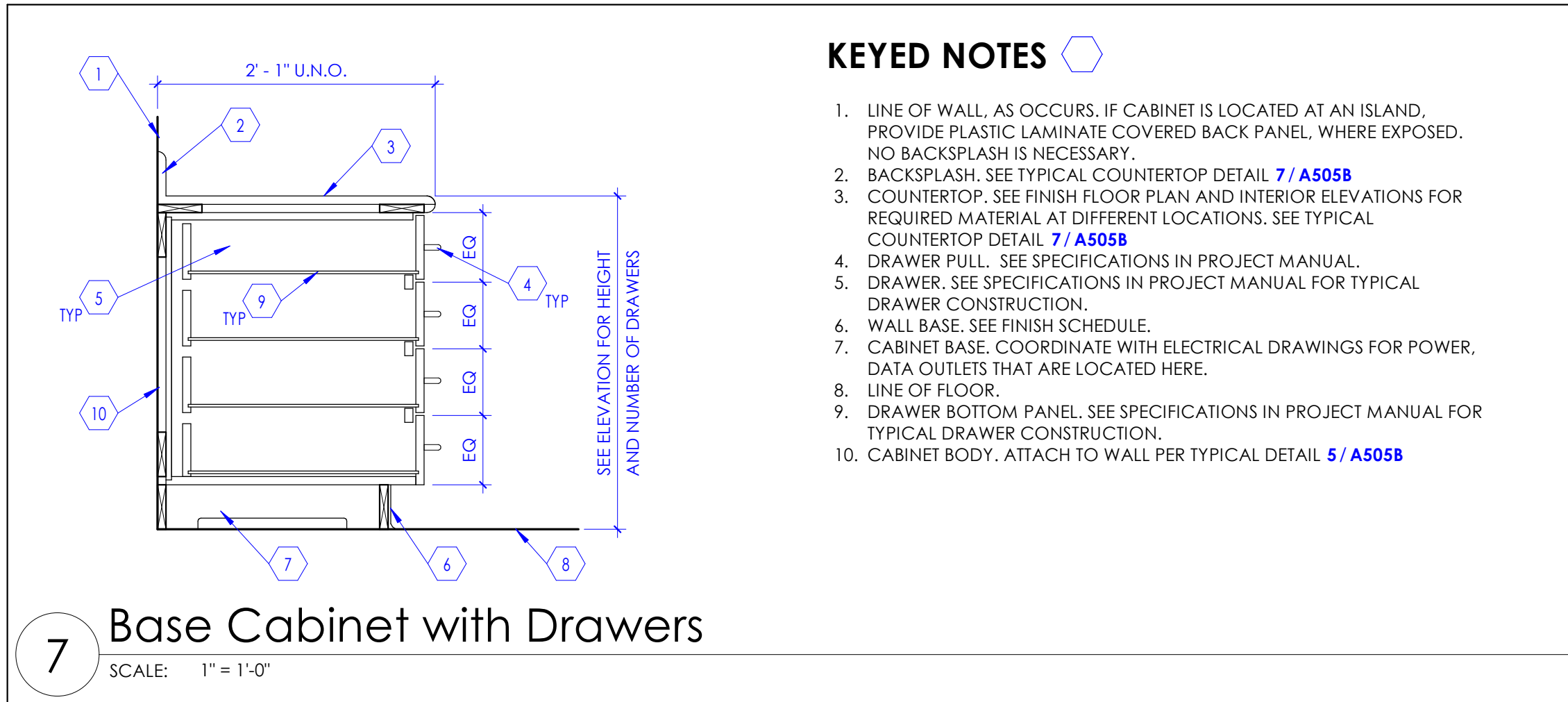
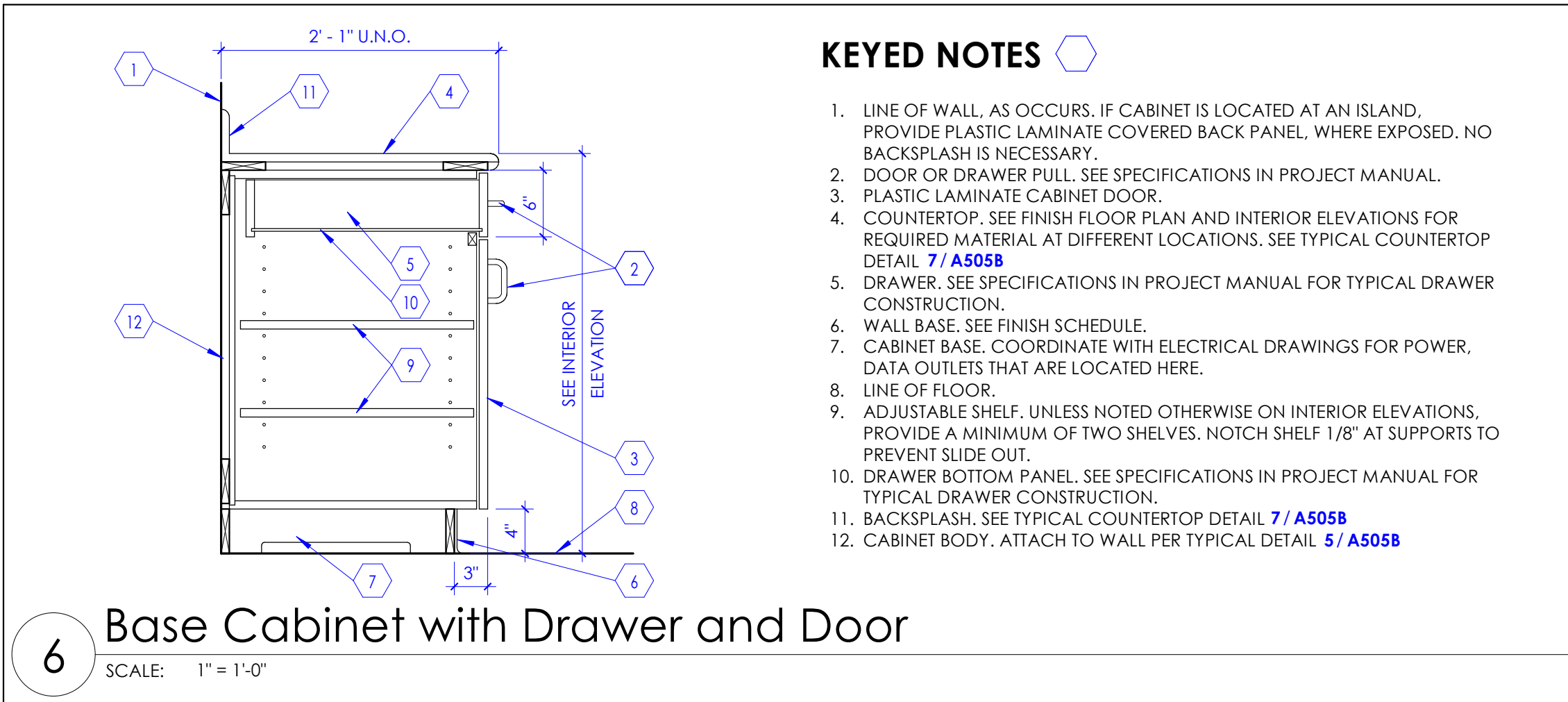
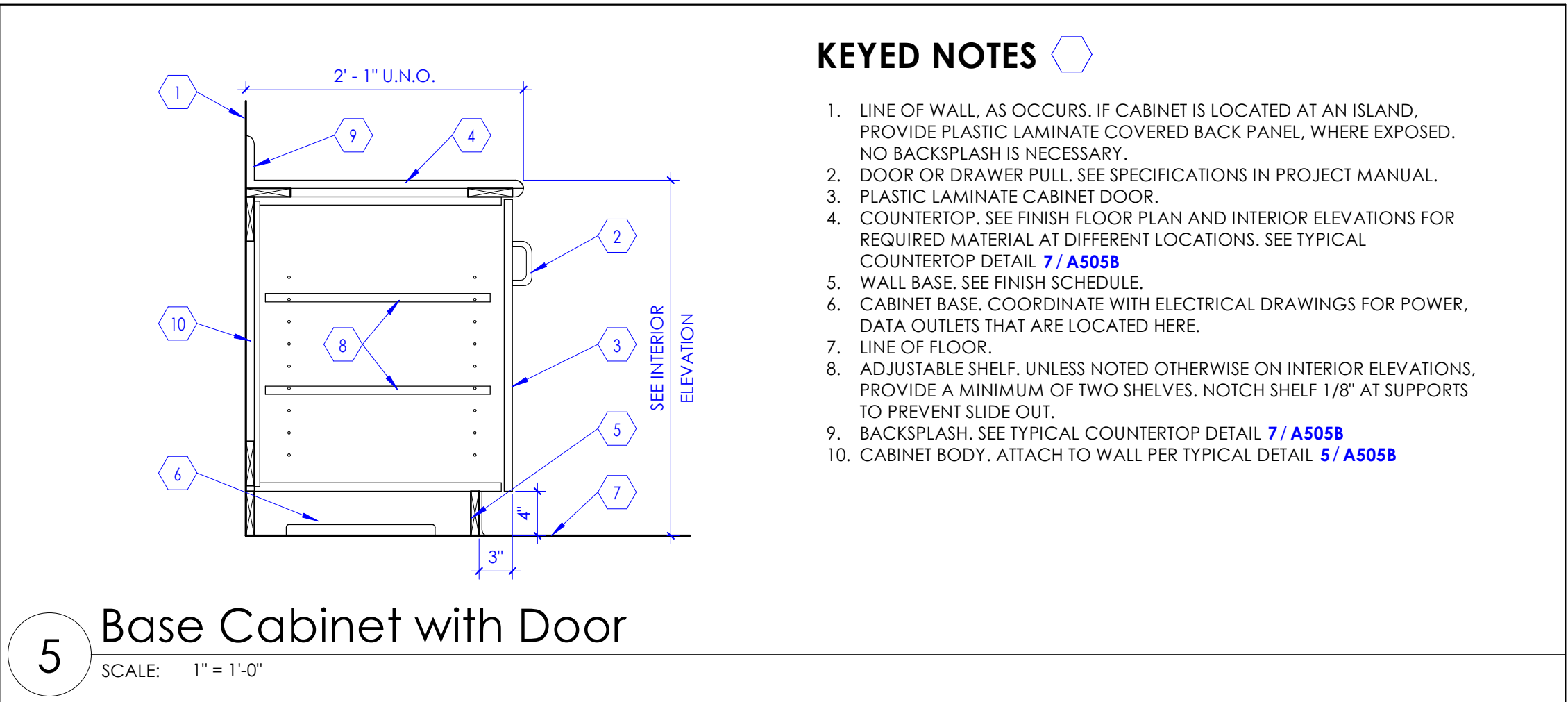
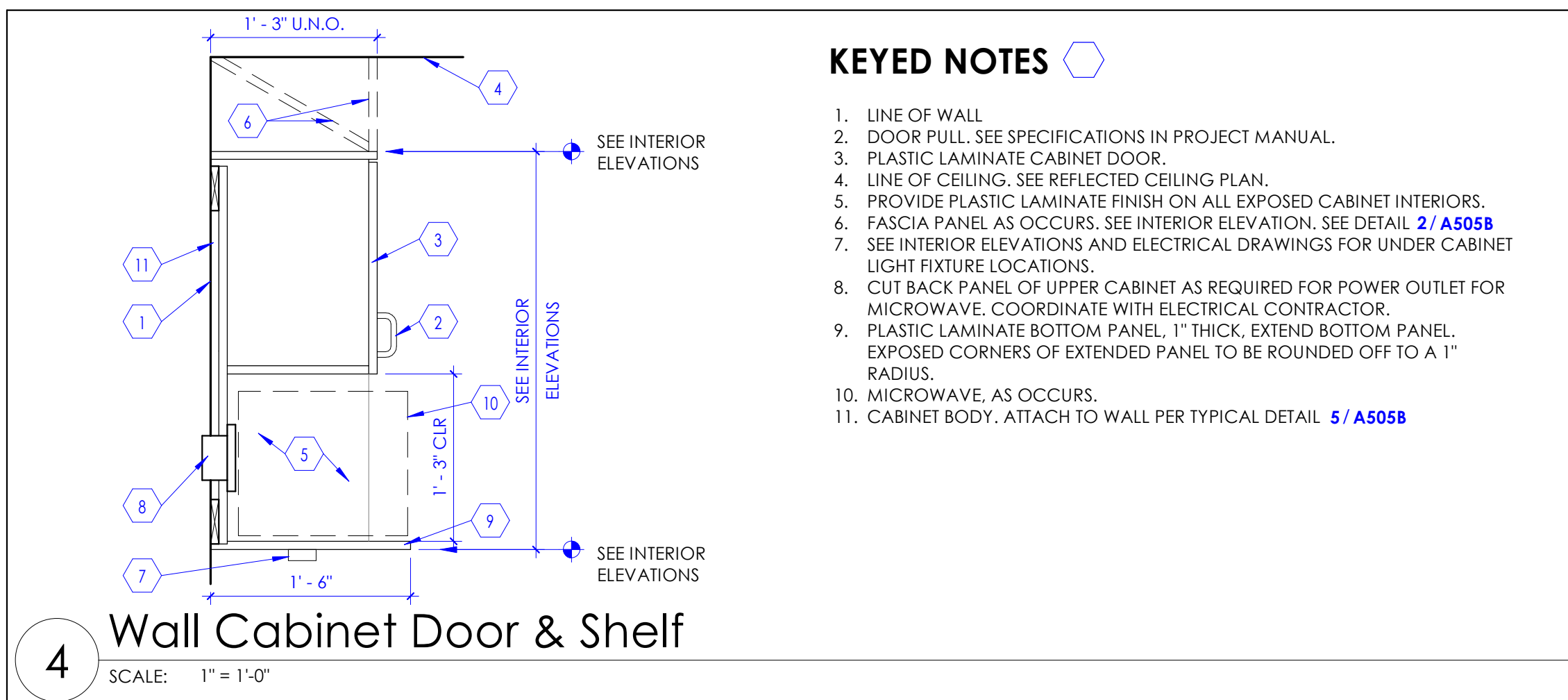
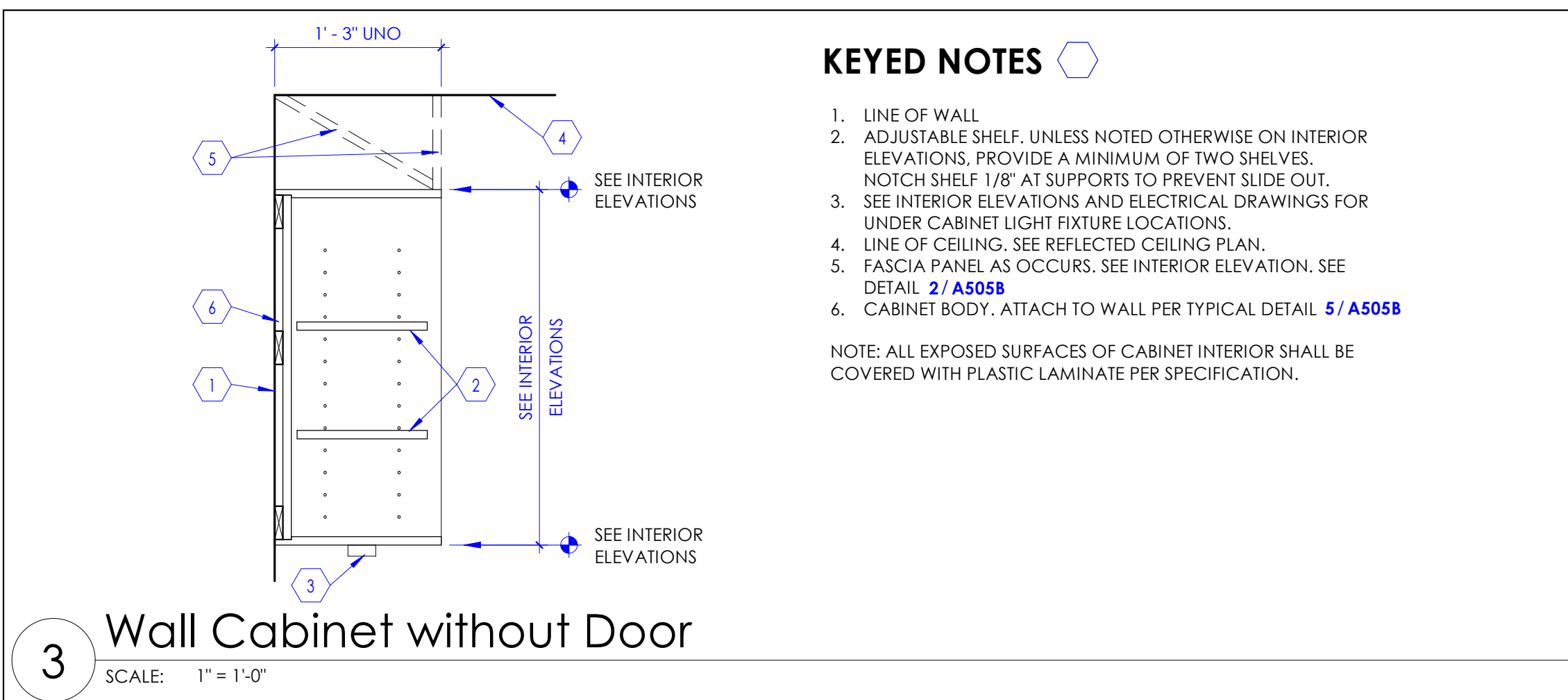
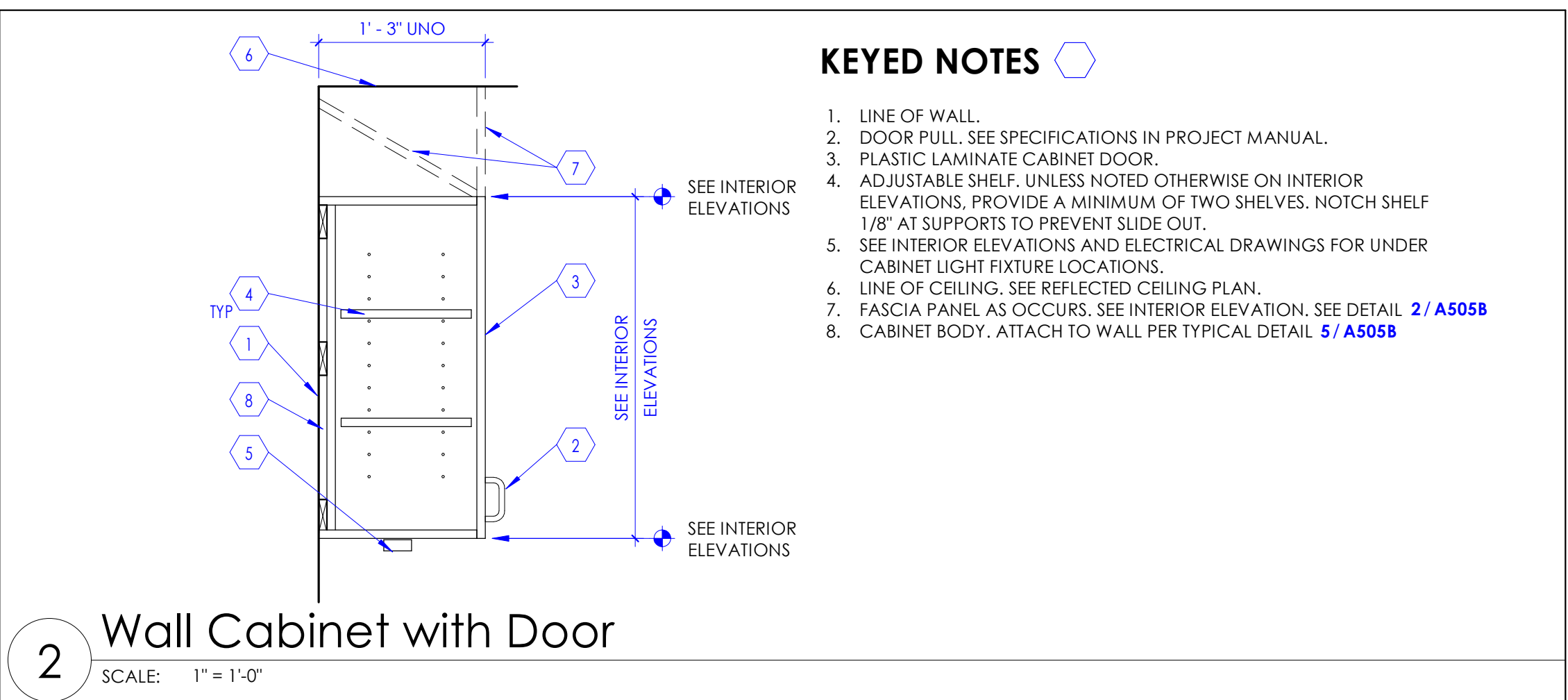
KEYED NOTES

- FILE DRAWER, MINIMUM WIDTH SHALL BE 1'-4" TO HANG FOLDERS (FOR 8-1/2" x 11" SIZE PAPER)
- DETAIL FOR STEEL SUPPORTS FOR COUNTERTOP AT STUD WALLS.
- DETAIL FOR STEEL SUPPORTS FOR COUNTERTOP AT MASONRY AND CONCRETE WALLS.
- STEEL SUPPORT FOR COUNTERTOP. SEE RELEVANT DETAIL FOR STUD WALL, CMU, AND CONCRETE WALL. SUPPORT IS NOT REQUIRED IF THERE IS AN ADJACENT BASE CABINET.
- FILLER PANEL FOR EXTENDED WALL CABINET, TYPICALLY LOCATED AT ROOM CORNER.
- SINK, SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR SINK TYPE.
- PROVIDE END PANEL MATCHING THE FRONT SKIRT PANEL. IF THERE IS A ADJACENT BASE CABINET, END PANEL IS NOT REQUIRED.



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

Note: See Interior Elevations (S.I.E.) for occurrence of cabinet types used in this project. Some cabinet type shown above may not be used in this project.



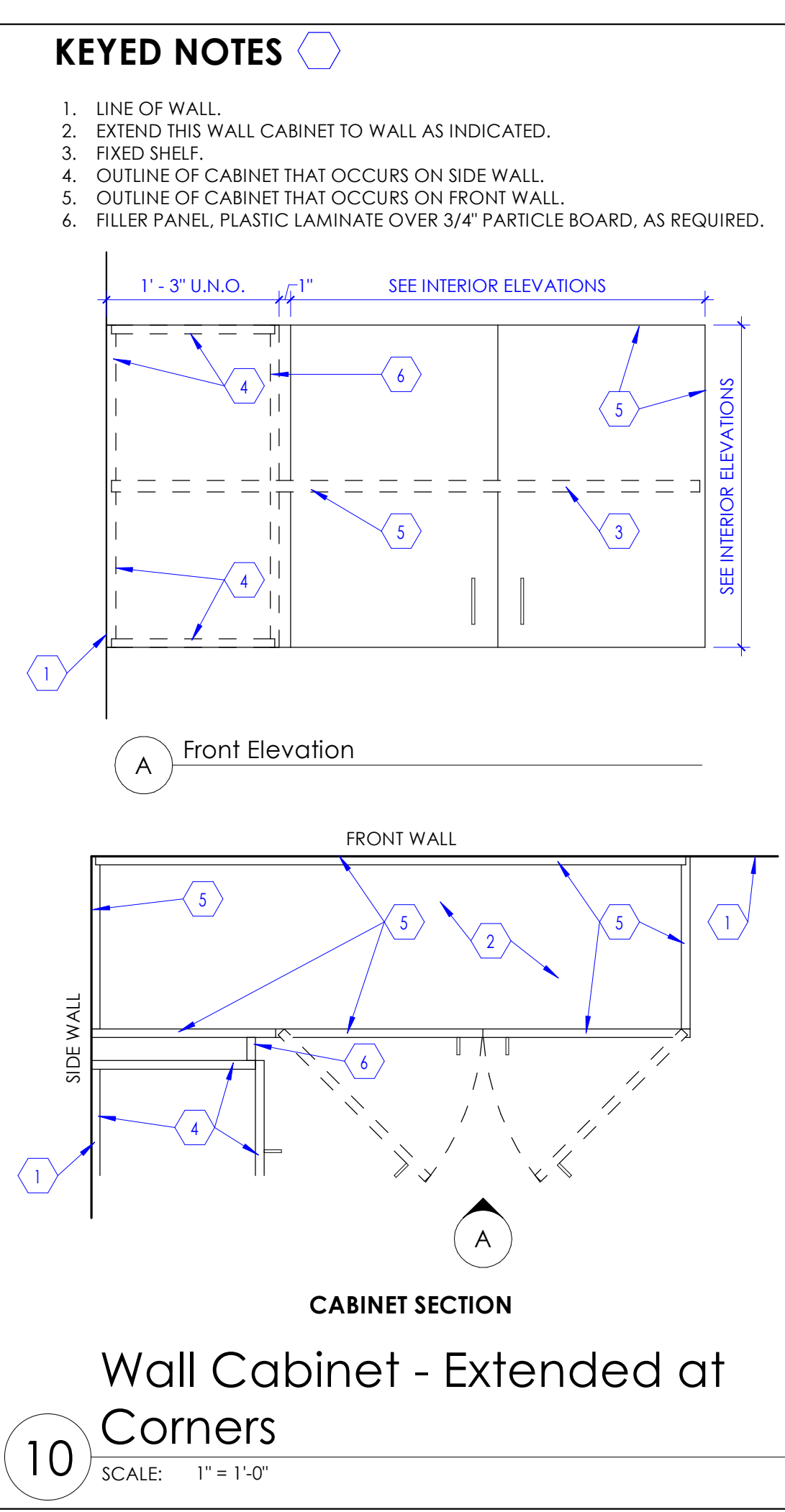
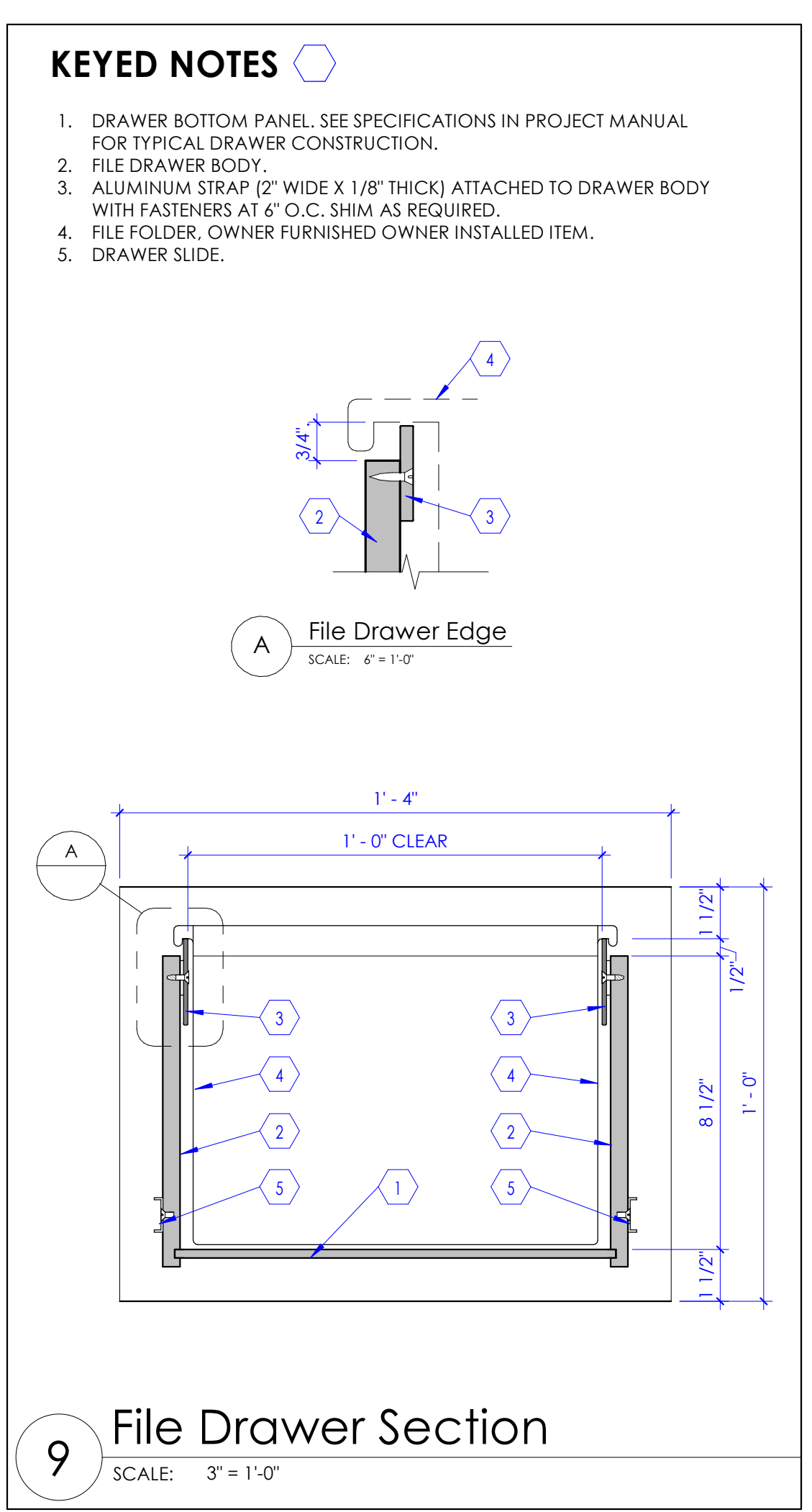
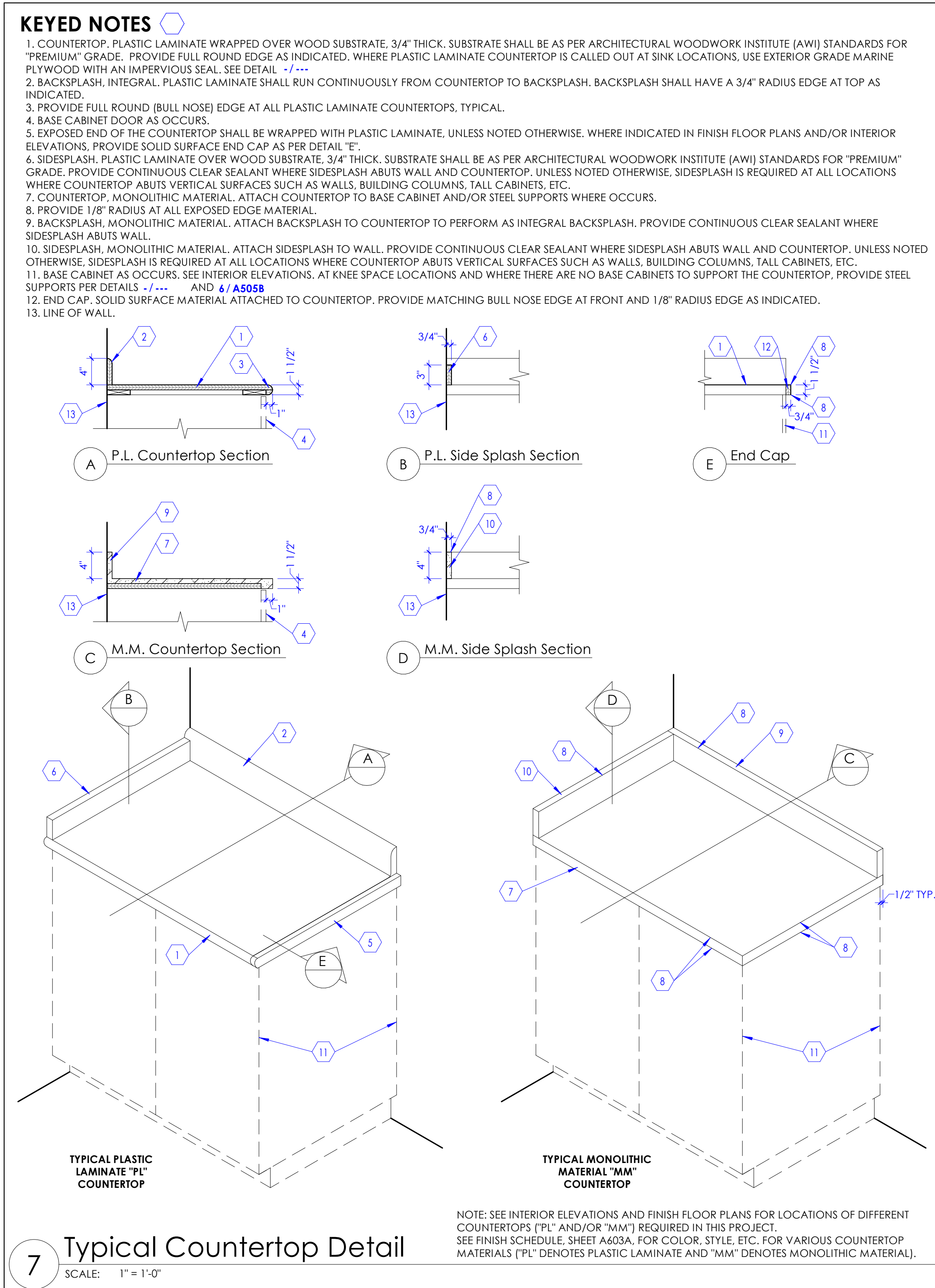
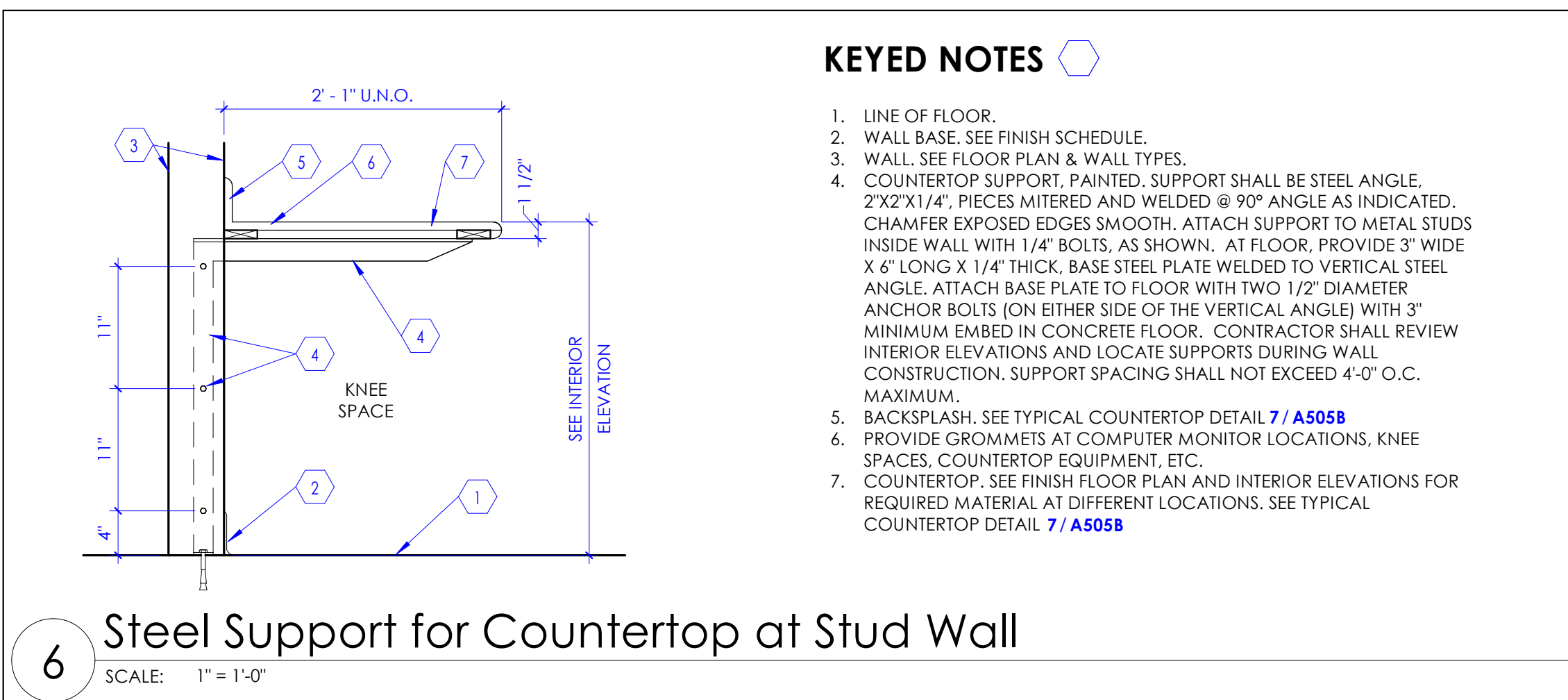
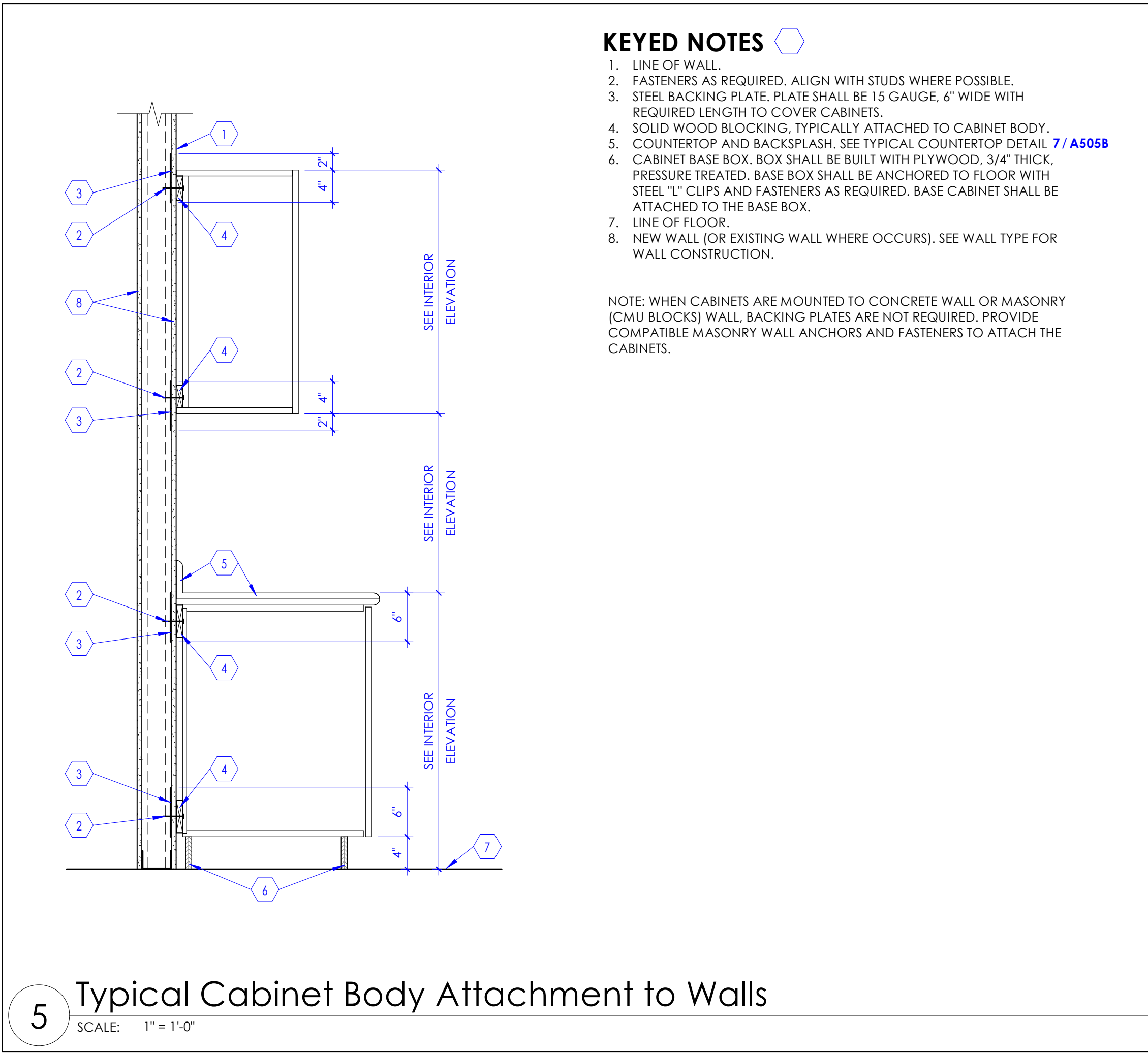
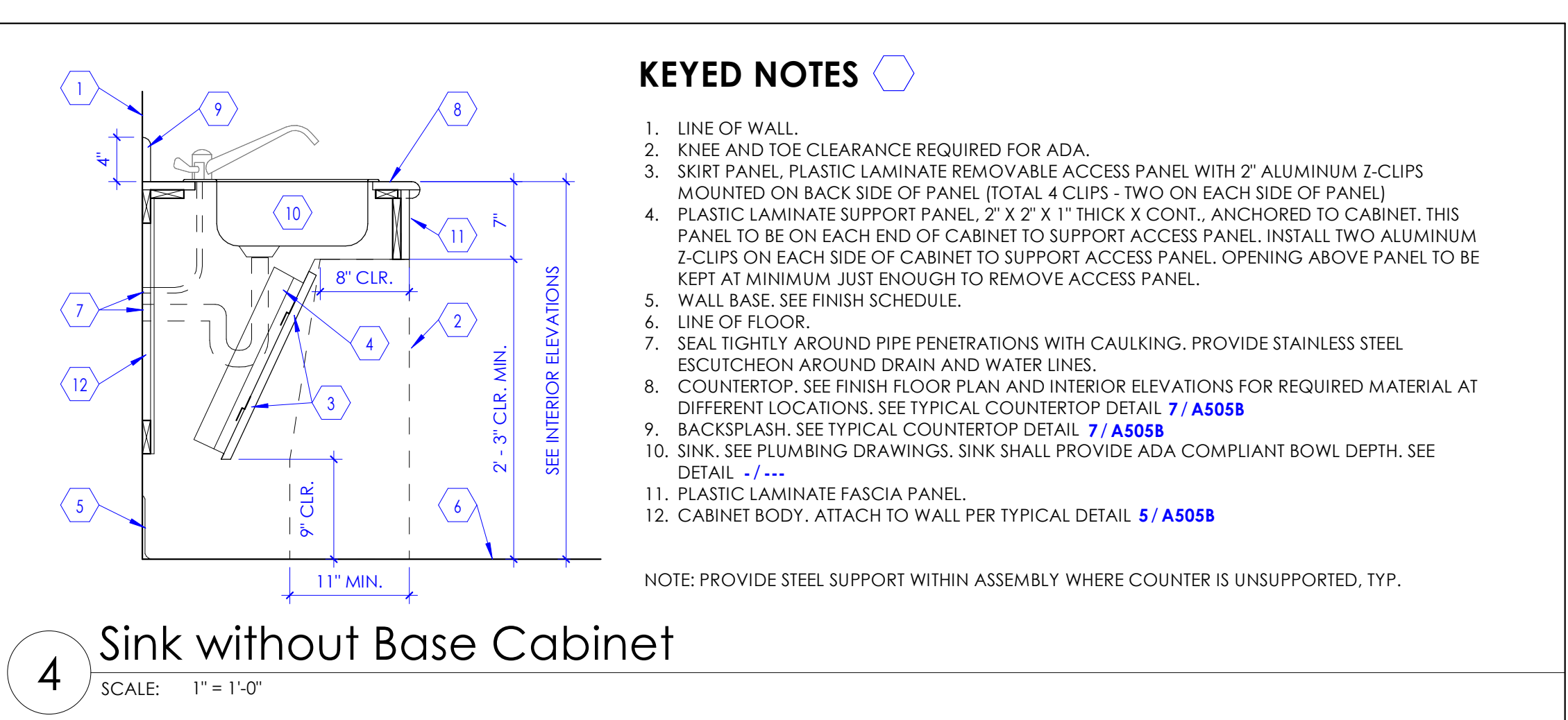
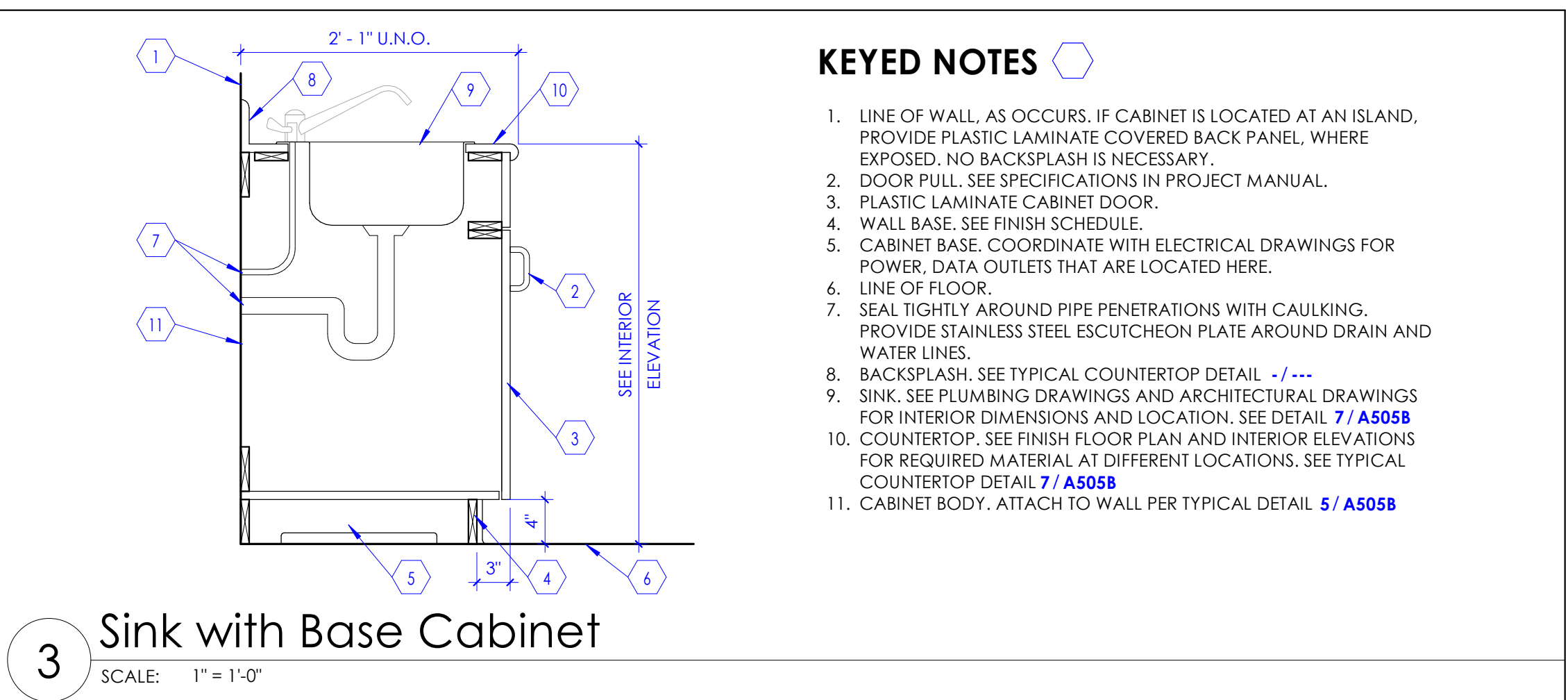
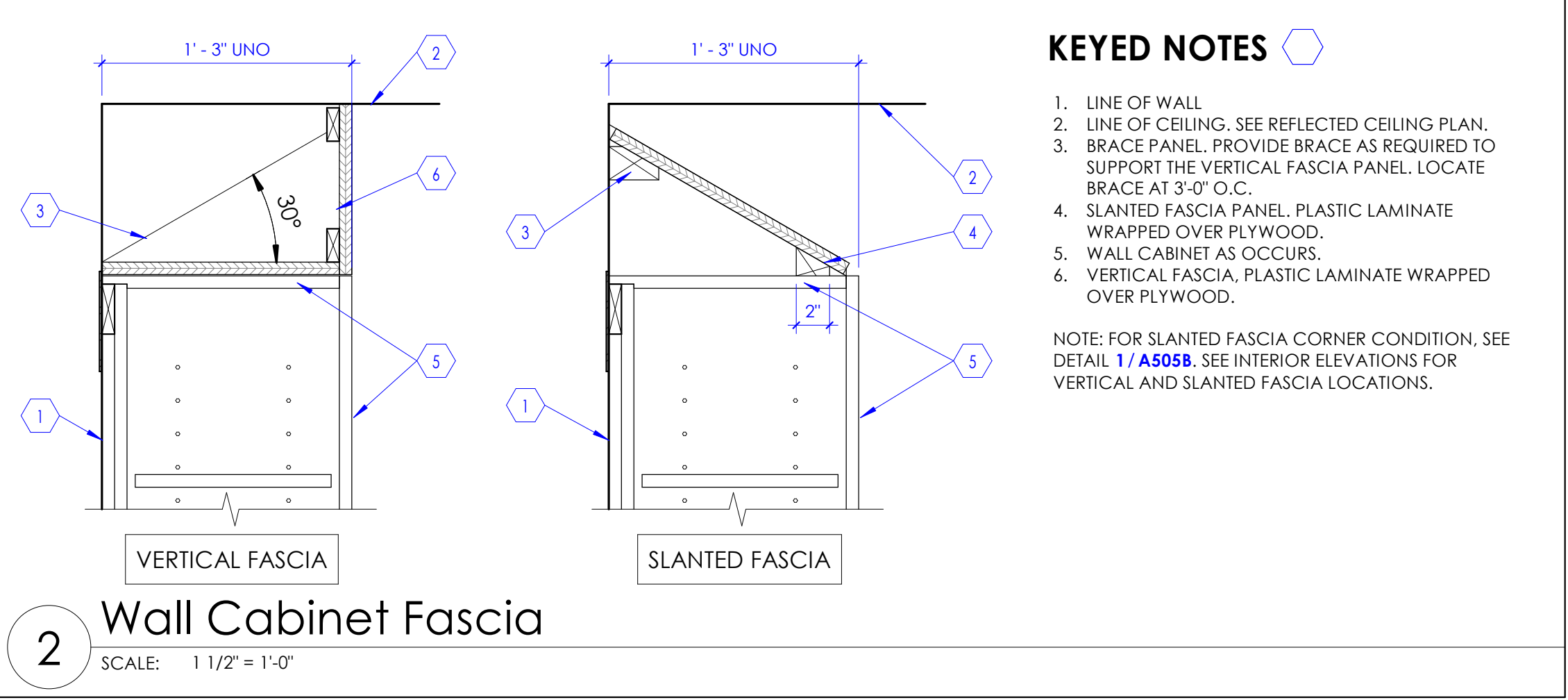
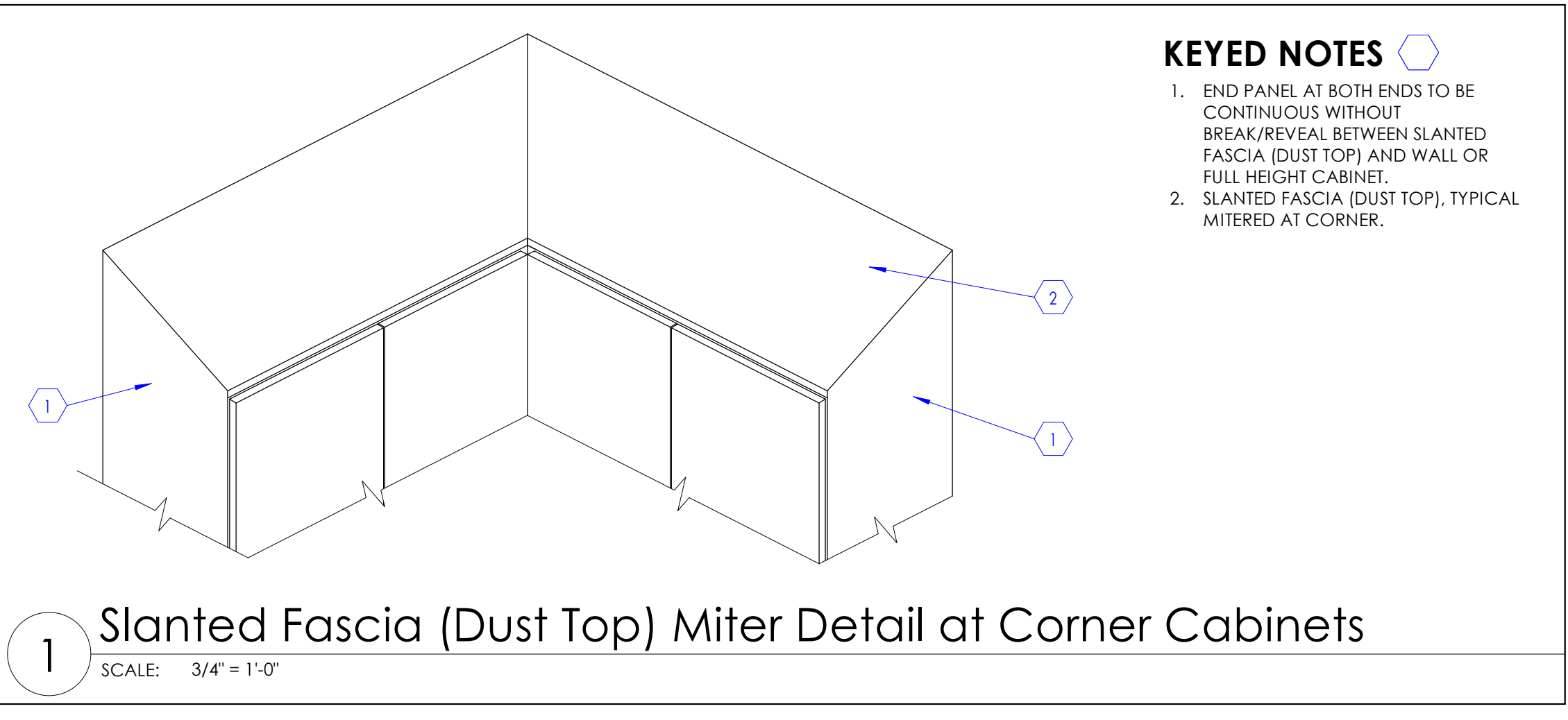
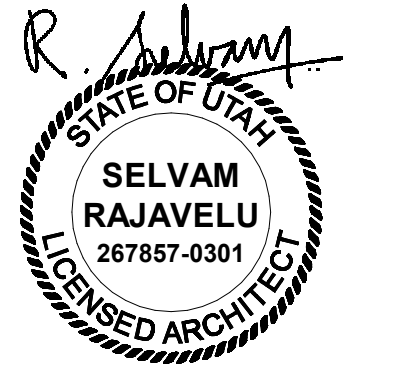
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Brachytherapy

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Construction Documents March 22, 2024

Cabinet
Legend &
Details

A505A



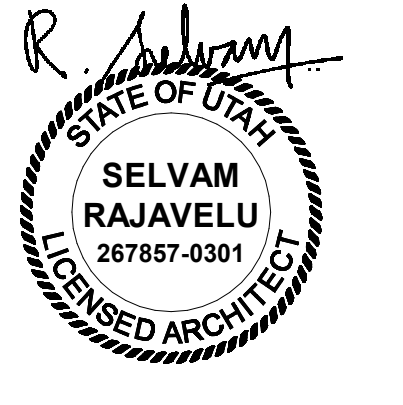
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Cabinet
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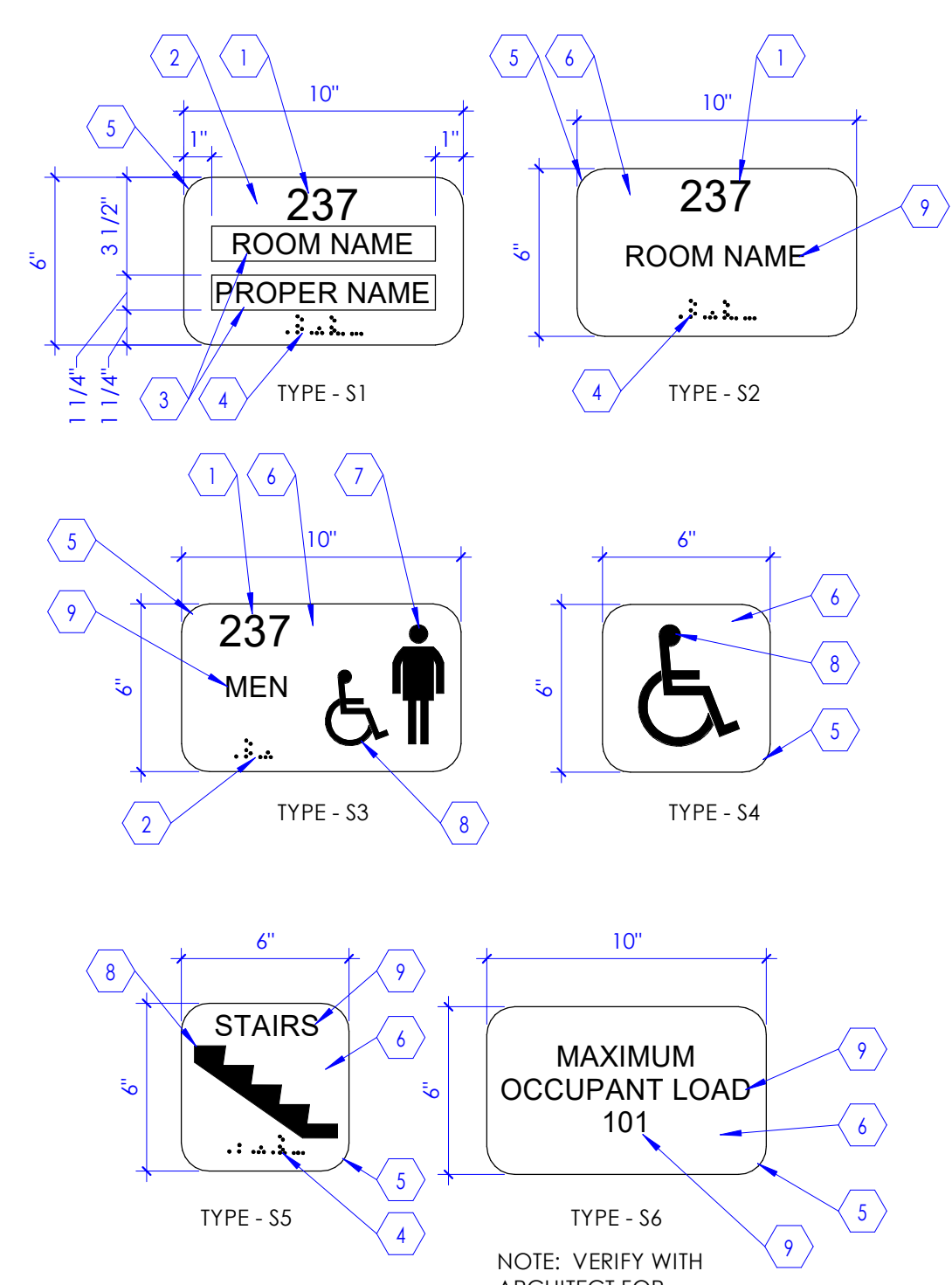


KEYED NOTES

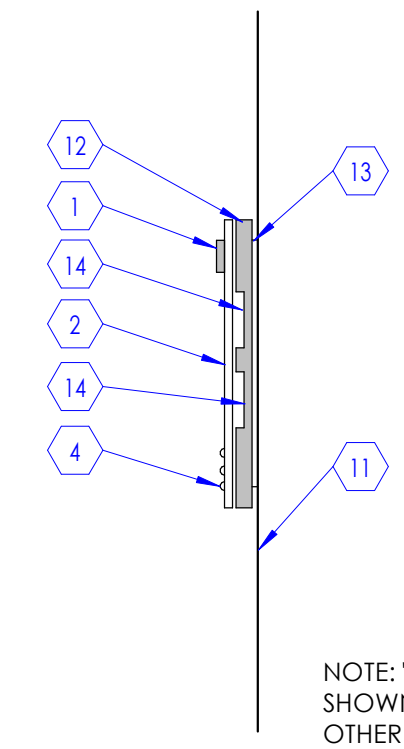
1. ROOM NUMBER (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL.
2. MATTE FINISHED OPAQUE ACRYLIC FRONT PANEL (WITH TRANSPARENT WINDOW) ATTACHED TO BASE PANEL.
3. TRANSPARENT WINDOW FOR TEXT INSERT (HELVETICA FONT). TEXT INSERT SHALL BE FURNISHED AND INSTALLED BY SIGN CONTRACTOR.
4. BRAILLE CHARACTERS AS PER ADA (AMERICANS WITH DISABILITIES ACT) REQUIREMENTS DENOTING ROOM NUMBER AND NAME.
5. RADIUS CORNER: 1" TYPICAL.
6. MATTE FINISHED OPAQUE ACRYLIC FRONT PANEL ATTACHED TO BASE PANEL.
7. PROVIDE APPROPRIATE SYMBOL FOR MEN, WOMEN, UNISEX, BOYS AND GIRLS TOILET ROOM AS OCCURS.
8. PROVIDE APPROPRIATE SYMBOL FOR STAIR, DISABLED SIGN, ETC. AS INDICATED.
9. ROOM NAME (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL.
10. PROVIDE DISABLED SYMBOL AS INDICATED IN THE SIGN FOR ALL ROOMS THAT ARE WHEEL CHAIR ACCESSIBLE.
11. LINE OF WALL.
12. MATTE FINISHED, OPAQUE ACRYLIC SHEET BASE PANEL ATTACHED TO SHIM PLATE.
13. SHIM PLATE: ALUMINUM, 1/4" THICK, CONCEALED, WITH PRE-DRILLED HOLES FOR COUNTERSUNK FASTENERS. USE APPROPRIATE FASTENERS DEPENDING ON THE SUBSTRATE.
14. RECESS 1/16" FOR TEXT INSERT, FOR SIGN "TYPE - S1" ONLY.
15. SIGNAGE.
16. SIGN AT ALL ACCESSIBLE LOCATION.
17. DOOR FRAME, SEE DOOR SCHEDULE.
18. DOOR, SEE DOOR SCHEDULE.
19. OPENING IN WALL.
20. LINE OF FLOOR.

NOTE:

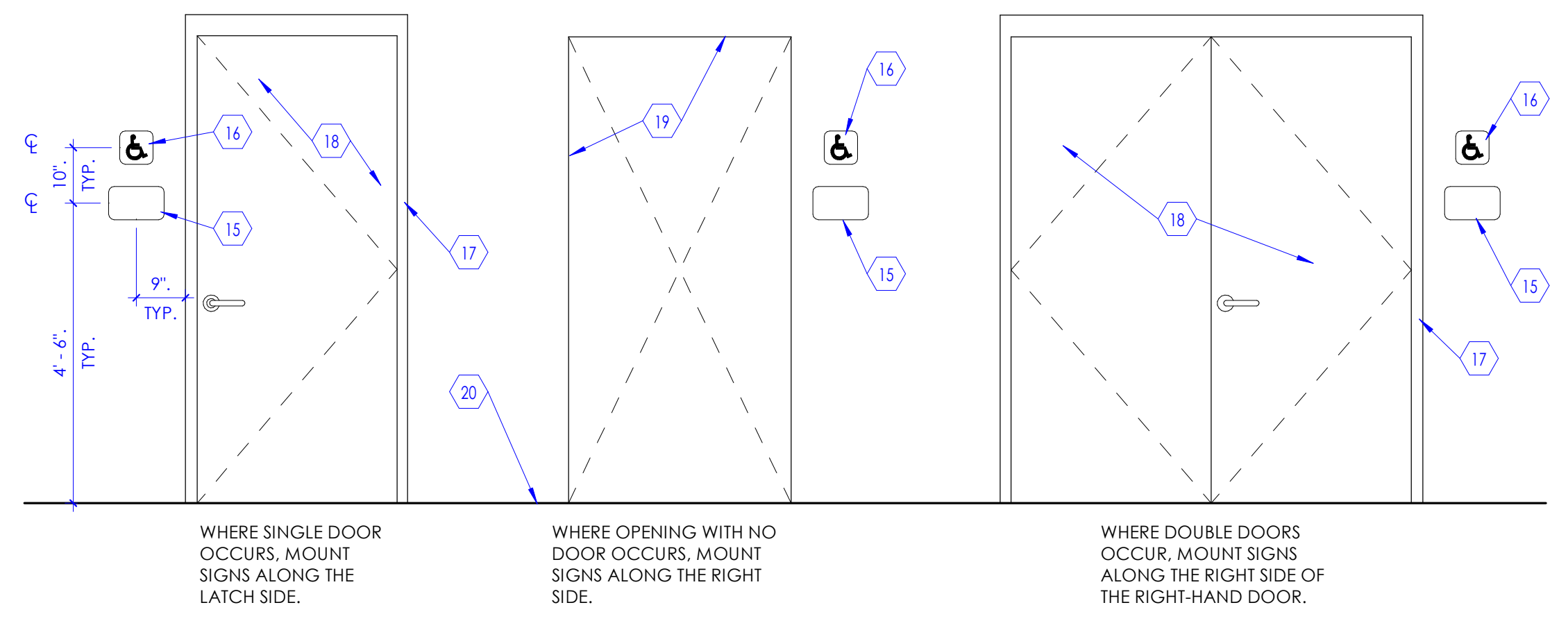
- A. PROVIDE ROOM SIGN AT EACH DOORWAY OR A WALL OPENING LEADING TO A ROOM. SEE FINISH FLOOR PLAN FOR REQUIRED NUMBER OF SIGNS, SIGN TYPE, ROOM NAMES, ETC.
- B. SIGN CONTRACTOR SHALL COORDINATE WITH OWNER AND PROVIDE TEXT INSERTS FOR OCCUPANTS PROPER NAME FOR ALL "TYPE S1" WALL SIGNS.
- C. ALL COLORS SHALL BE SELECTED BY ARCHITECT AND MOUNTED ON WALL OR DOOR PER DETAIL 'B'.



A Sign Types
SCALE: 2" = 1'-0"

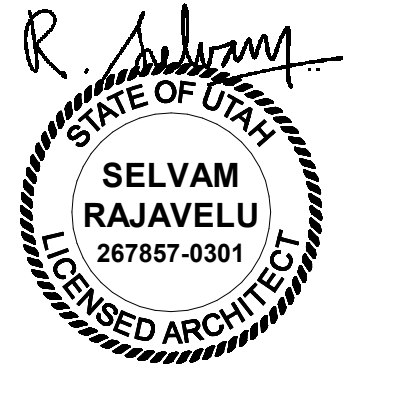


B Sign Mounting
SCALE: 3" = 1'-0"



C Sign Mounting Elevations
SCALE: 1/2" = 1'-0"

1 Room Signage Detail
SCALE: N.T.S.

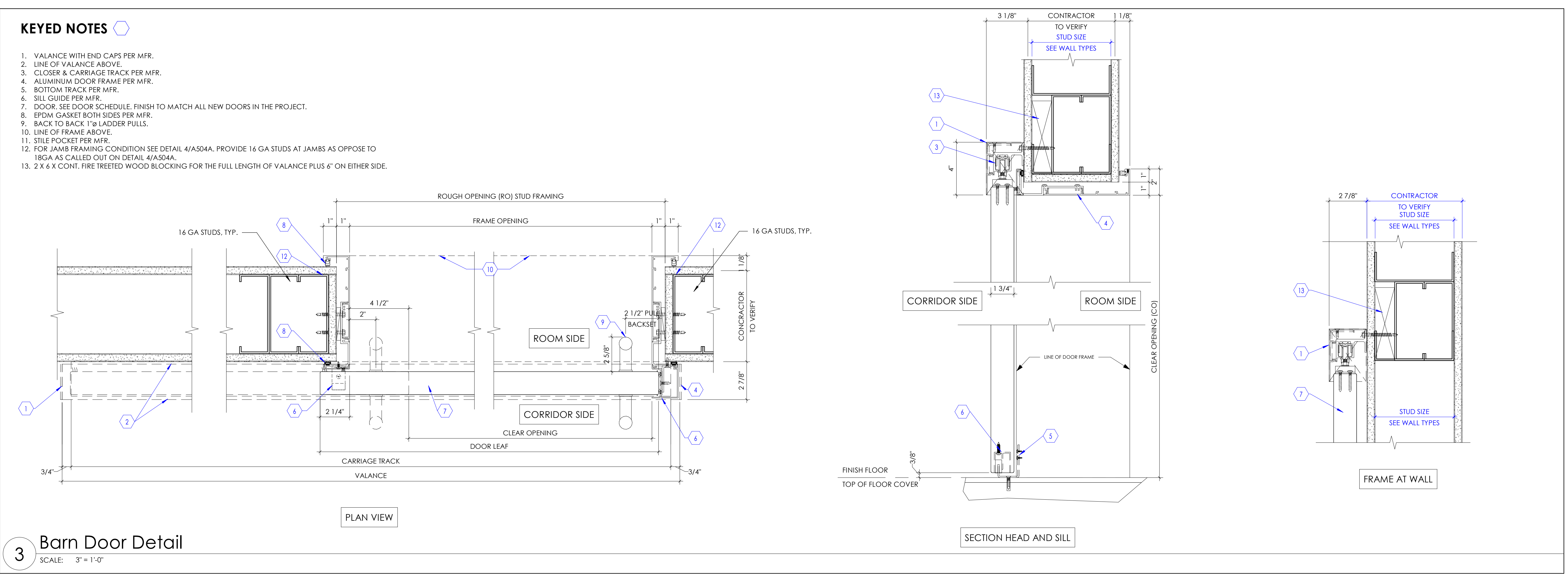
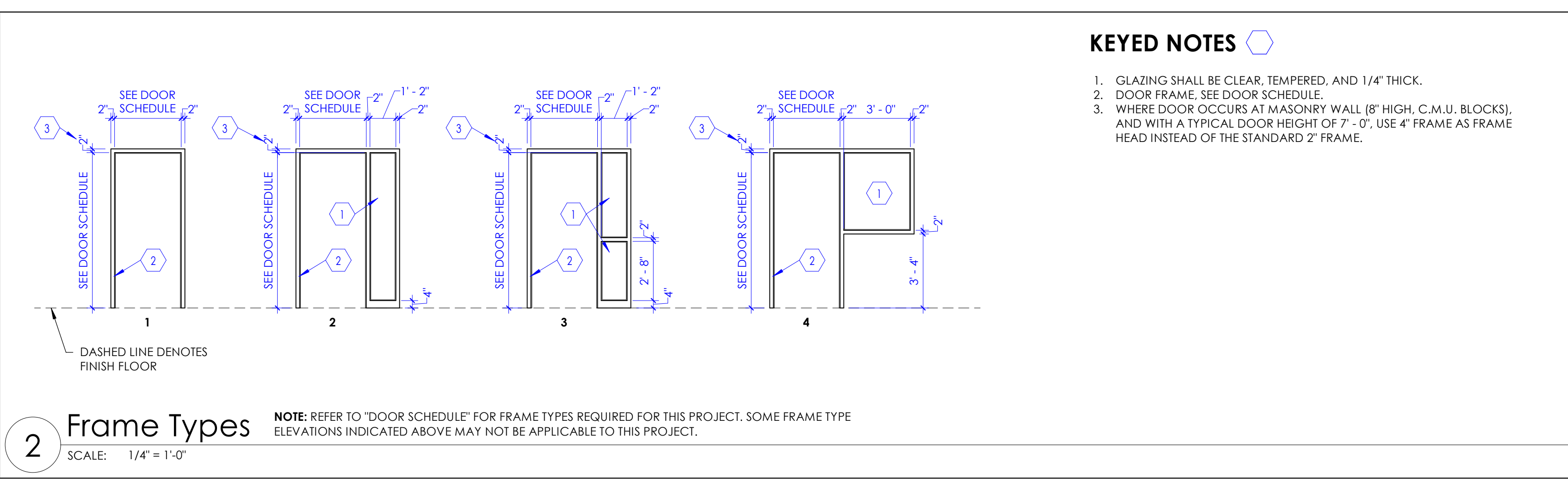
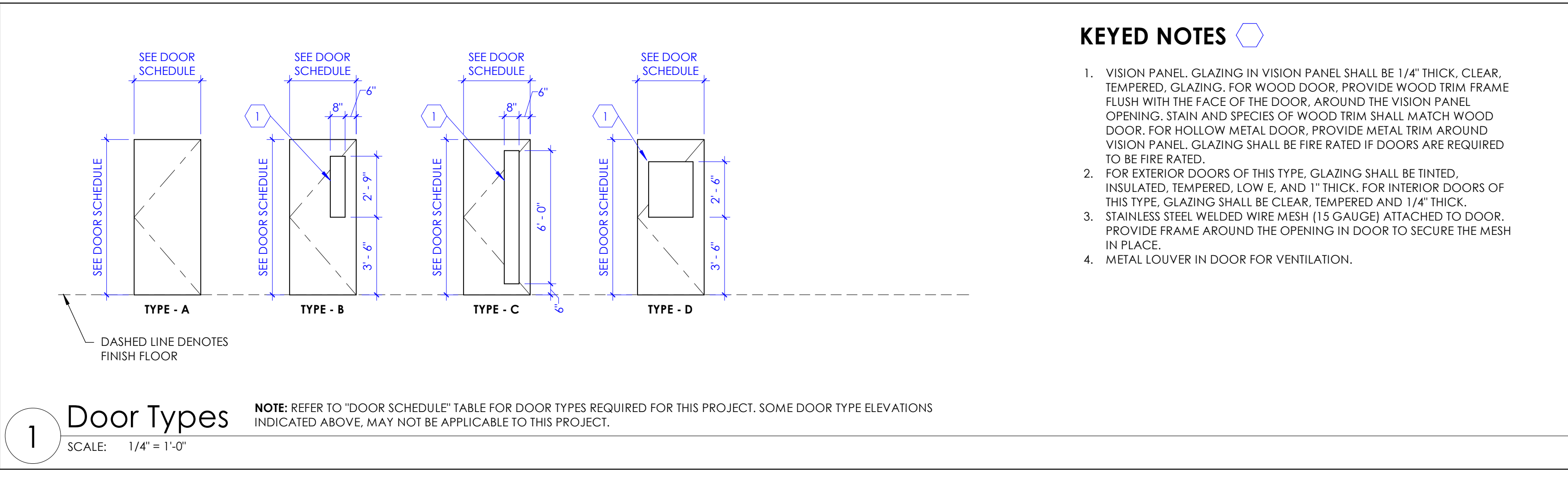


DOOR SCHEDULE

DOOR #	# OF PANELS	DOOR				FRAME		DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS			
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)	DEPTH	MATERIAL	JAMB					HEAD	THRESHOLD	
A12490	1	3'-6"		7'-0"	PER MFR.	WD	B	3/A601A	PER MFR.	ALUM.	3/A601A	3/A601A		A12490		1	

COMMENTS

1. DOOR HARDWARE BY SLIDING DOOR MANUFACTURER. CLEAR OPENING AT DOOR TO BE 3'-6"



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Door
Schedule

A601A

FINISH SCHEDULE

TAG	FINISH TYPE	SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH		SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC MD	15519	HAYSTACK	-
F2	FLOOR FINISH		LIGHTER SHEET VINYL - MATCH EXISTING	MANNINGTON COMMERCIAL	ENTWINED, SUBER	ETW450	DUN	1
F3	FLOOR FINISH		DARKER SHEET VINYL - MATCH EXISTING	MANNINGTON COMMERCIAL	ENTWINED, SUBER	ETW451	SEDGE	1
B1	WALL BASE	4" HIGH	COVERED SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC MD	15519	HAYSTACK	3
B2	WALL BASE	4" HIGH	LIGHTER COVERED SHEET VINYL - MATCH EXISTING	MANNINGTON COMMERCIAL	ENTWINED, SUBER	ETW450	DUN	1
B3	WALL BASE	4" HIGH	DARKER COVERED SHEET VINYL - MATCH EXISTING	MANNINGTON COMMERCIAL	ENTWINED, SUBER	ETW451	SEDGE	1
B4	WALL BASE	4" HIGH	CARPET BASE	SHAW CONTRACT	DESIGN SERIES V 36	-	-	1, 5
B5	WALL BASE	4" HIGH	RUBBER BASE	MANNINGTON COMMERCIAL	BURKBASE TYPE TP	209	GRAY BEIGE	-
W1	WALL FINISH		PAINT	SHERWIN WILLIAMS	EGG SHELL FINISH	SW 7005	PURE WHITE	-
W2	WALL FINISH		PAINT - ACCENT	SHERWIN WILLIAMS	EGG SHELL FINISH	SW 0023	PEWTER TAHNKARD	-
W3	WALL FINISH		PAINT - MATCH EXISTING	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 7045	INTELLECTUAL GRAY	1
C1	CEILING FINISH	24" X 48"	ACOUSTICAL CEILING TILES AND GRID	ARMSTRONG CEILINGS	ULTIMA HEALTH ZONE	1938	WHITE	2
PL1	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE - MATCH EXISTING	-	-	-	-	1
PL2	PLASTIC LAMINATE DOOR FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE	ARBORITE	-	W-465-CA	MODERN MOCHA CHERRY	7
MM1	MONOLITHIC MATERIAL		SOLID SURFACE	CORIAN SOLID SURFACE	-	-	NEUTRAL CONCRETE	-
MM2	MONOLITHIC MATERIAL		SOLID SURFACE - INTEGRAL SINK	CORIAN	NEAT COLLECTION	804P	GLACIER WHITE	-
WP1	WALL PROTECTION	0.60" THICKNESS	WAINSCOT PANEL - MATCH EXISTING	CONSTRUCTION SPECIALTIES	ACROVYN RIGID SHEET	858	PUMICE	4
WP2	WALL PROTECTION	3" X 3" X FULL HEIGHT	CORNER GUARD	CONSTRUCTION SPECIALTIES	SURFACE MOUNTED CORNER GUARD WITH ALUMINUM RETAINER	SM-20AN	PUMICE	6

COMMENTS

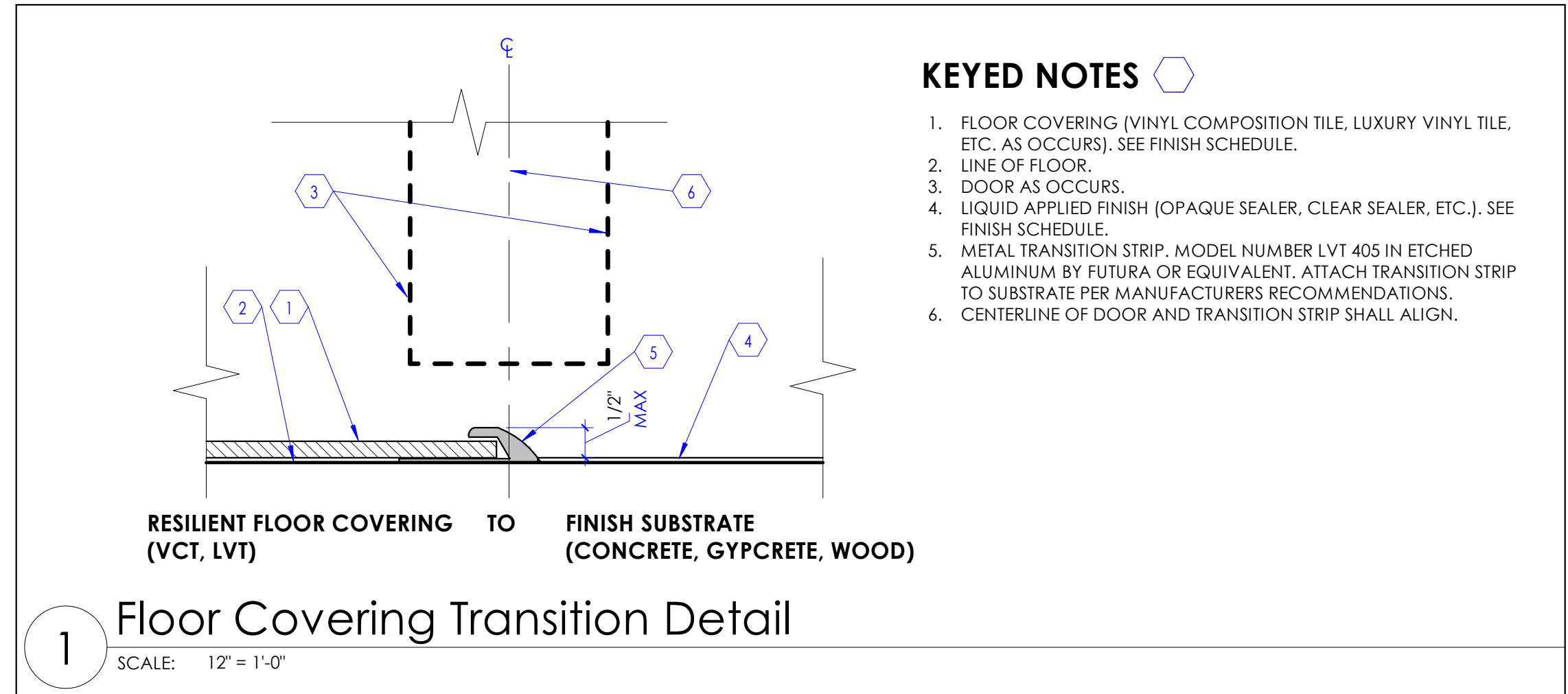
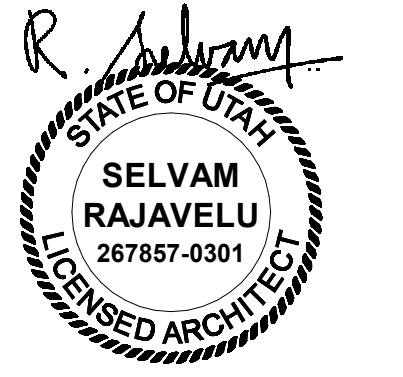
1. MATCH EXISTING FINISH STYLE AND COLOR. CONTRACTOR TO FIELD VERIFY.
2. SEE REFLECTED CEILING PLAN FOR GRID ORIENTATION AND ACOUSTICAL TILE LAYOUT.
3. TOP EDGE OF COVERED SHEET VINYL TO BE FINISHED WITH AN ALUMINUM CAP.
4. PATCH AND REPAIR WALL PROTECTION WAINSCOT PANEL WHERE NECESSARY. PANEL TO SPAN FROM TOP OF WALL BASE TO ALIGN WITH EXISTING.
5. TOP EDGE OF CARPET BASE TO BE BOUND WITH FABRIC.
6. CORNER GUARD WALL PROTECTION TO SPAN FROM TOP OF WALL BASE TO TOP OF CEILING TO MATCH ADJACENT EXISTING.
7. FLUSH SOLID CORE HIGH PRESSURE DECORATIVE LAMINATE DOOR.

GENERAL NOTES

- A. BASIS OF DESIGN FOR FINISHES. FINISHES INDICATED ON THE FINISH SCHEDULE ARE BASED ON THE NAMED MANUFACTURER AND THEIR PRODUCTS. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE APPROVED MANUFACTURERS LISTED IN THE PROJECT MANUAL. SEE RELEVANT SPECIFICATION SECTION.
- B. SEE "SAMPLE LAYOUTS" INDICATED ON FINISH PLANS FOR CLARIFICATION ON HOW DIFFERENT TYPES OF REQUIRED FINISHES ARE INDICATED WITH FINISH TAGS FOR FLOORS, WALLS, MISCELLANEOUS SURFACE, ETC. SEE FINISH FLOOR PLANS FOR REQUIRED FINISHES (INDICATED WITH FINISH TAGS SUCH AS F1, B1, W1, ETC.).
- C. LINE OF TRANSITION BETWEEN DIFFERENT TYPES OF FLOOR COVERING IS INDICATED ON THE FINISH FLOOR PLANS. IN PLACES WHERE TWO DIFFERENT FLOOR COVERINGS ABUT EACH OTHER, CONTRACTOR SHALL FOLLOW THE RELEVANT APPLICABLE "FLOOR COVERING TRANSITION DETAILS" INDICATED IN THIS CONSTRUCTION DOCUMENTS. WHERE TWO ROOMS ARE REQUIRED TO HAVE DIFFERENT FLOOR COVERINGS, LINE OF TRANSITION SHALL TYPICALLY OCCUR BELOW THE CENTER OF THE DOOR (LOCATED BETWEEN THE TWO ROOMS). AS THESE TRANSITION LINES ARE NOT INDICATED BELOW THE DOOR ON THE FINISH FLOOR PLANS, CONTRACTOR SHALL PROVIDE METAL TRANSITION STRIP (MANUFACTURED BY SCHLUTER OR EQUIVALENT) AS REQUIRED. AT EXTERIOR DOORS, PROVIDE ALUMINUM THRESHOLD MATCHING THE DOORWAY. FOR REMODEL PROJECTS, COORDINATE WITH DEMOLITION FLOOR PLAN AND NEW FLOOR PLAN TO DETERMINE WHERE NEW ABUTS EXISTING FLOOR COVERING THAT IS SCHEDULED TO REMAIN.
- D. LINE OF TRANSITION BETWEEN DIFFERENT TYPES OF WALL FINISH IS INDICATED ON THE INTERIOR ELEVATIONS AND FINISH FLOOR PLANS. FOR REQUIRED WALL PROTECTION TYPE (INDICATED WITH TAG WP1, WP2, ETC.) ON WALLS, COORDINATE WITH FINISH FLOOR PLANS AND INTERIOR ELEVATIONS.
- E. THERE ARE MISCELLANEOUS SURFACES THAT ARE EXPOSED AND WILL REQUIRE A FINISH. SUCH MISCELLANEOUS SURFACES ARE INDICATED IN THE DRAWINGS WITH FINISH TAGS SUCH AS MS1, MS2, ETC.
- F. PAINT ALL EXPOSED VISIBLE ITEMS SUCH AS METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISC. STEEL ITEMS, PIPES, CONDUITS, ETC. UNLESS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED. IF NATURAL FINISH IS REQUIRED, PAINT SURFACES USING FIELD COLORS AND ACCENT COLORS SPECIFIED BY THE ARCHITECT. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS, AND PRE-FINISHED ITEMS. VERIFY PAINTING SURFACE (SUCH AS STEEL, CONCRETE, MASONRY, GYPSUM BOARD, WOOD, ETC.) AND USE THE APPROPRIATE PAINT AND METHOD INDICATED IN THE PROJECT MANUAL UNDER RELEVANT SPECIFICATION SECTION. ALL HOLLOW METAL DOOR AND WINDOW FRAMES SHALL BE PAINTED. USE SEMI-GLOSS FINISH ON DOOR FRAMES.
- G. IN ROOMS AND AREAS WHERE GYPSUM BOARD CEILING IS INDICATED, PAINT CEILING WITH THE SAME COLOR AND TYPE AS ADJACENT WALLS. IN WET ROOMS (LIKE RESTROOM, KITCHEN, ETC.) WHERE EPOXY PAINT IS INDICATED AS A REQUIREMENT ON WALLS, PAINT CEILINGS AND SOFFITS WITH EPOXY TYPE PAINT. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. COORDINATE ACCENT COLOR LOCATIONS WITH ARCHITECT WHERE INDICATED.
- H. SEE INTERIOR ELEVATIONS FOR PLASTIC LAMINATE FINISHES OVER CABINETS, COUNTERTOPS, WALLS, ETC. PLASTIC LAMINATE FINISHES ARE INDICATED AS PL1, PL2, ETC. COUNTERTOPS THAT ARE MONOLITHIC MATERIAL (SUCH AS SOLID SURFACE, QUARTZ, ETC. AND NOT PLASTIC LAMINATE WRAPPED), ARE INDICATED AS MM1, MM2, ETC.
- I. WHERE PORCELAIN AND/OR CERAMIC TILE FINISHES ARE INDICATED, PROVIDE METAL EDGE STRIPS (MANUFACTURED BY SCHLUTER OR EQUIVALENT) AT ALL OUTSIDE VERTICAL CORNERS AND TOP OF WAINSCOT.
- J. IN ROOMS AND AREAS (SUCH AS TOILET ROOMS, SHOWERS, ETC.) WHERE CERAMIC OR PORCELAIN TILES ARE INDICATED FOR WALL AND FLOOR FINISH, INSTALL BOTTOM ROW OF WALL TILE FIRST PER DETAIL 1A603B. PROVIDE QUARTZ THRESHOLD AT DOORS TO TOILET ROOMS THAT ARE USED BY MULTIPLE USERS. SEE DETAILS 3 & 4 SHEET A603B.
- K. WHERE GYPSUM BOARD WALL ABUTS MASONRY WALL, PROVIDE REVEAL AS PER DETAIL 2A603B.



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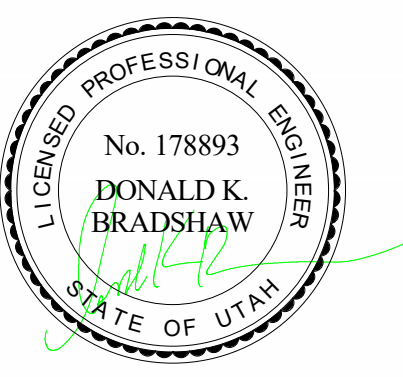
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Finish
Schedule &
Details

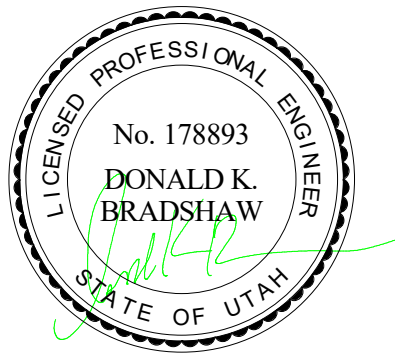
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GENERAL MECHANICAL SYMBOLS	HVAC SYMBOLS	PIPING SYMBOLS																																																																																																																																																																																																																																																															
<p>REVISION NUMBER - SHOWN ON PLANS</p> <p>POINT WHERE NEW CONNECTS TO EXISTING</p> <p>POINT WHERE EXISTING IS TO BE DEMOLISHED</p> <p>NUMBER OF DETAIL ON SHEET</p> <p>NUMBER OF SHEET WHERE DETAIL APPEARS</p> <p>KEYNOTE</p> <p>CONTINUATION SYMBOL</p> <p>ROOM NAME AND NUMBER</p> <p>ITEM TO BE DEMOLISHED</p> <p>AREA NOT IN CONTRACT</p> <p>PIPE SIZE TAG (DIAMETER)</p> <p>ABOVE GROUND PIPING</p> <p>PIPE SLOPE TAG</p> <p>BELOW GROUND PIPING</p> <p>PIPE INVERT ELEVATION TAG</p> <p>EXISTING PIPE TAG</p> <p>PIPING BEING DEMOLISHED</p>	<p>SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)</p> <p>OVAL DUCT SIZE TAG (WIDTH / HEIGHT)</p> <p>ROUND DUCT SIZE TAG (DIAMETER)</p> <p>EXISTING DUCT TAG</p> <p>DUCT BEING DEMOLISHED</p> <p>SUPPLY AIR - LOW PRESSURE</p> <p>SUPPLY AIR - MEDIUM PRESSURE</p> <p>CONDITIONED OUTSIDE AIR</p> <p>OUTSIDE AIR</p> <p>RETURN AIR</p> <p>TRANSFER AIR</p> <p>EXHAUST AIR</p> <p>RELIEF AIR</p> <p>GREASE EXHAUST AIR</p> <p>SMOKE EXHAUST AIR</p> <p>EXHAUST GAS FLUE</p> <p>COMBUSTION AIR</p> <p>DROP RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE</p> <p>DROP ROUND SUPPLY/OUTSIDE AIR DUCT RISE</p> <p>DROP RECTANGULAR RETURN/TRANSFER AIR DUCT RISE</p> <p>DROP ROUND RETURN/TRANSFER AIR DUCT RISE</p> <p>DROP RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE</p> <p>DROP ROUND EXHAUST/RELIEF AIR DUCT RISE</p> <p>GRILLES, REGISTERS & DIFFUSERS SYMBOLS AND TAGS</p> <p>CEILING SQUARE SUPPLY DIFFUSER</p> <p>RECTANGULAR SUPPLY DIFFUSER</p> <p>ROUND SUPPLY DIFFUSER</p> <p>SQUARE RETURN GRILLE</p> <p>RECTANGULAR RETURN GRILLE</p> <p>SQUARE EXHAUST GRILLE</p> <p>RECTANGULAR EXHAUST GRILLE</p> <p>LINEAR SLOT</p> <p>MECHANICAL EQUIPMENT TAGS</p> <p>HEATING COIL FLOW</p> <p>BOTTOM OF EQUIPMENT ELEVATION</p> <p>EXISTING EQUIPMENT TO REMAIN</p> <p>EXISTING RELOCATED EQUIPMENT</p> <p>EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATION)</p> <p>DATA DEVICE TAGS</p> <p>CARBON DIOXIDE SENSOR</p> <p>CARBON MONOXIDE SENSOR</p> <p>NITROGEN DIOXIDE SENSOR</p> <p>HUMIDITY SENSOR</p> <p>HUMIDISTAT</p> <p>SYMBOL EQUIPMENT ID</p> <p>TEMPERATURE & HUMIDITY SENSOR</p> <p>TEMPERATURE SENSOR</p> <p>THERMOSTAT</p> <p>MANUAL SWITCH</p> <p>SENSOR</p>	<p>CHWR CHILLED WATER RETURN</p> <p>CHWS CHILLED WATER SUPPLY</p> <p>CD CONDENSATE DRAINAGE</p> <p>CWR CONDENSER WATER RETURN</p> <p>CWS CONDENSER WATER SUPPLY</p> <p>GWR GEOTHERMAL WATER RETURN</p> <p>GWS GEOTHERMAL WATER SUPPLY</p> <p>HWR HEATING WATER RETURN</p> <p>HWS HEATING WATER SUPPLY</p> <p>NG NATURAL GAS</p> <p>PG PROPANE GAS</p> <p>REF-L REFRIGERANT LIQUID</p> <p>REF-S REFRIGERANT SUCTION</p> <p>REF-HG REFRIGERANT HOT GAS</p> <p>STM STEAM</p> <p>CDR CONDENSATE RETURN</p> <p>CWV COMBINATION WASTE & VENT</p> <p>CA COMPRESSED AIR</p> <p>DCW DOMESTIC COLD WATER</p> <p>SCW SOFT COLD WATER</p> <p>FCW FILTERED COLD WATER</p> <p>NPCW NON-POTABLE COLD WATER</p> <p>RO REVERSE OSMOSIS WATER</p> <p>DHW HOT WATER</p> <p>DHW 140° HOT WATER 140°</p> <p>DHW-R HOT WATER RECIRCULATION</p> <p>DHW-R 140° HOT WATER RECIRCULATION 140°</p> <p>NPHW NON-POTABLE HOT WATER</p> <p>GV GREASE VENT</p> <p>GW GREASE WASTE</p> <p>IW INDIRECT WASTE</p> <p>OV OIL VENT</p> <p>OW OIL WASTE</p> <p>PD PUMP DISCHARGE</p> <p>SV SANITARY VENT</p> <p>W SANITARY SEWER</p> <p>SHWR SOLAR HOT WATER RETURN</p> <p>SHWS SOLAR HOT WATER SUPPLY</p> <p>RD ROOF DRAIN</p> <p>RDO ROOF DRAIN OVERFLOW</p> <p>PIPE DROP</p> <p>PIPE RISE</p> <p>PIPE TEE</p> <p>FLUG REDUCING 45 DEGREE TEE</p> <p>45 DEGREE TEE</p> <p>PIPE ACCESSORY TAGS</p> <p>2" DOM. WM DOMESTIC WATER METER</p> <p>2" BALANCING VALVE</p> <p>2" SHUTOFF</p> <p>2" CHECK VALVE</p> <p>2" TMV 3-WAY MIXING VALVE</p> <p>2" M-CNTRL MOTORIZED CONTROL VALVE</p> <p>2" 3-WAY CNTRL 3-WAY MOTORIZED CONTROL VALVE</p> <p>2" PRV PRESSURE REDUCING VALVE</p> <p>3" SOLENOID REFRIGERANT SOLENOID VALVE</p> <p>2" BUTTERFLY BUTTERFLY VALVE</p> <p>DRAIN TAGS</p> <p>FLOOR DRAIN 4" FD-1 TYPE (SEE SCHEDULE)</p> <p>FLOOR DRAIN 4" FD-3P 1" INDICATES PRIMER CONNECTION</p> <p>FLOOR SINK 4" FS-4</p> <p>HUB DRAIN 4" FD-13 8 WFU FIXTURE UNITS</p> <p>ROOF AREA SERVED BY DRAIN 4000 SF</p> <p>ROOF DRAIN 4" RD-1 COMBINATION DRAINS</p> <p>PLUMBING FIXTURE TAGS</p> <p>WATER CLOSET - WALL HUNG - ADA WC-1A</p> <p>WATER CLOSET - WALL HUNG - ADA WC-1</p> <p>PIPE ACCESSORY TAG 4" WCO</p>																																																																																																																																																																																																																																																															
<p>ABBREVIATIONS</p> <table border="0"> <tr><td>Ø</td><td>ROUND</td><td>LVR</td><td>LOUVER</td></tr> <tr><td>ABV</td><td>ABOVE</td><td>LWT</td><td>LEAVING WATER TEMPERATURE</td></tr> <tr><td>AC</td><td>AIR CONDITIONING</td><td>MA</td><td>MIXED AIR</td></tr> <tr><td>AD</td><td>AREA DRAIN</td><td>MAX</td><td>MAXIMUM</td></tr> <tr><td>ADD</td><td>ADDENDUM</td><td>MBH</td><td>ONE THOUSAND BTU PER HOUR</td></tr> <tr><td>AFF</td><td>ABOVE FINISHED FLOOR</td><td>MCF</td><td>ONE THOUSAND CUBIC FEET</td></tr> <tr><td>AFUE</td><td>ANNUAL FUEL UTILIZATION EFFICIENCY</td><td>MD</td><td>MOTORIZED DAMPER</td></tr> <tr><td>ALT</td><td>ALTERNATE</td><td>MECH</td><td>MECHANICAL</td></tr> <tr><td>AP</td><td>ACCESS PANEL</td><td>MFR</td><td>MANUFACTURER</td></tr> <tr><td>ARCH</td><td>ARCHITECT/ARCHITECTURAL</td><td>MIN</td><td>MINIMUM</td></tr> <tr><td>BFF</td><td>BELOW FINISHED FLOOR</td><td>MISC</td><td>MISCELLANEOUS</td></tr> <tr><td>BLW</td><td>BELOW</td><td>MTR</td><td>MOTOR</td></tr> 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FTR	FIN TUBE RADIATION	SP	STANDPIPE																																																																																																																																																																																																																																																														
GAL	GALLON	SP	STATIC PRESSURE																																																																																																																																																																																																																																																														
GC	GENERAL CONTRACTOR	STM	STEAM																																																																																																																																																																																																																																																														
GPM	GALLONS PER MINUTE	T	THERMOSTAT																																																																																																																																																																																																																																																														
GW	GREASE WASTE	TD	TRENCH DRAIN																																																																																																																																																																																																																																																														
HB	HOSE BIB	TDR	TEMPERATURE DROP																																																																																																																																																																																																																																																														
HP	HORSE POWER	TEMP	TEMPERATURE																																																																																																																																																																																																																																																														
HTG	HEATING	TYP	TYPICAL																																																																																																																																																																																																																																																														
HTR	HEATER	UG	UNDERGROUND																																																																																																																																																																																																																																																														
HYD	HYDRANT	VAC	VACUUM																																																																																																																																																																																																																																																														
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LB	POUND	VTR	VENT THROUGH ROOF																																																																																																																																																																																																																																																														
LBHR	POUNDS PER HOUR	W	WASTE																																																																																																																																																																																																																																																														
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB																																																																																																																																																																																																																																																														
LP	LOW PRESSURE	WCO	WALL CLEAN OUT																																																																																																																																																																																																																																																														
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT																																																																																																																																																																																																																																																														

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FIRE PROTECTION GENERAL NOTES

- NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
- COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED. IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.
- PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES. NFPA AND FACTORY MUTUAL.
- THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.
- THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.
- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.
- DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
- THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
- AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS, ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
- AN INSPECTORS TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. (EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.)
- SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.
- THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.

PLUMBING GENERAL NOTES

- 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. VERIFY ALL SLOPING WITH LOCAL CODES.
- 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.
- PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
- 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.
- COORDINATE FAN ROOM FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
- 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.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.
- CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH WASH HANDLES ON ALL FIXTURES.
- LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
- INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
- INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
- MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
- COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
- SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
- HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
- LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL, WHERE ITEM IS LOCATED ABOVE A HARD CEILING, PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
- FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
- FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
- INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING:
 - SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
 - LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
 - LOCATE AT THE BASE OF EACH VERTICAL STACK.

MEDICAL GAS GENERAL NOTES

- MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE.
- MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- MOUNT ALL SERVICE VALVES NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- ALL SERVICE VALVES SHALL BE LOCKABLE. PROVIDE FRANGIBLE LOCK FOR ALL SERVICE VALVES.
- ALL ZONE VALVE BOXES REQUIRE SOURCE AIR FROM LEFT SIDE AND CONTROLLED AIR FROM RIGHT SIDE.

MECHANICAL GENERAL NOTES

- COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
- SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
- COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
- 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.
- PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
- INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
- DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.
- PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
- PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
- PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
- WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
- 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.
- 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.
- ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE EQUIPMENT TAG TO MATCH SCHEDULE. 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.
- PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MINIMUM 24" X 24".
- FLEX DUCT IS REQUIRED FOR ALL DIFFUSERS AND GRILLES INSTALLED IN LAY-IN CEILINGS. FOR DIFFUSERS AND GRILLES IN HARD LID CEILINGS, THE DUCTWORK SHALL BE EXTENDED ALL THE WAY TO THE DIFFUSER AND SHALL BE CONNECTED WITH A HARD CONNECTION OR A FLEX DUCT CONNECTION WITH A MUD RING AND LAY-IN DIFFUSER AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION, WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24" X 24" ACCESS DOOR.
- SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
- CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 5'-0" AFF, A MINIMUM OF 5' FROM LIGHT SWITCHES UNLESS OTHERWISE NOTED ON THE ARCHITECTS ELEVATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
- REFER TO MECHANICAL PIPING OR ZONING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
- CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPELINE SHALL BE TYPE "L" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- PROVIDE A 4" FIREKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT THAT IS FLOOR MOUNTED. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
- ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
- THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

MECHANICAL PIPING GENERAL NOTES

- 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.
- UNLESS OTHERWISE NOTED: MEDICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- ALL VALVES SHALL BE INSTALLED SO THAT VALVES REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
- PROVIDE AIR VENT AT HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION AND TAGGED.
- PROVIDE ISOLATION VALVES AT EACH EXISTENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL PLANS OR SPECIFICATIONS.

PROJECT GENERAL NOTES

- THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
- REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE TENANT SPACE AND WITHIN CLOSE PROXIMITY TO THE TENANT SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
- COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK 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. PROVIDE PANS IF REQUIRED UNDER PIPING.
- FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
- REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
- ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL, ANOTHER SIZE IS SHOWN.
- FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- 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 PULPS, GAS DEVICES, MAINTENANCE ACCESS, ETC.
- INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
- LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- DETAILS REFERENCE ALL SHEETS.
- INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
- ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
- LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS, WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STAND ON A LADDER PLACED BELOW THE CEILING ACCESS.
- WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

NOTE

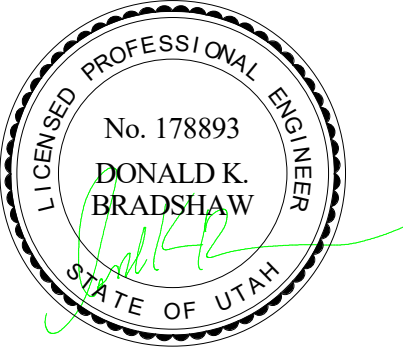
ALL OF THE GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.

KEYNOTES

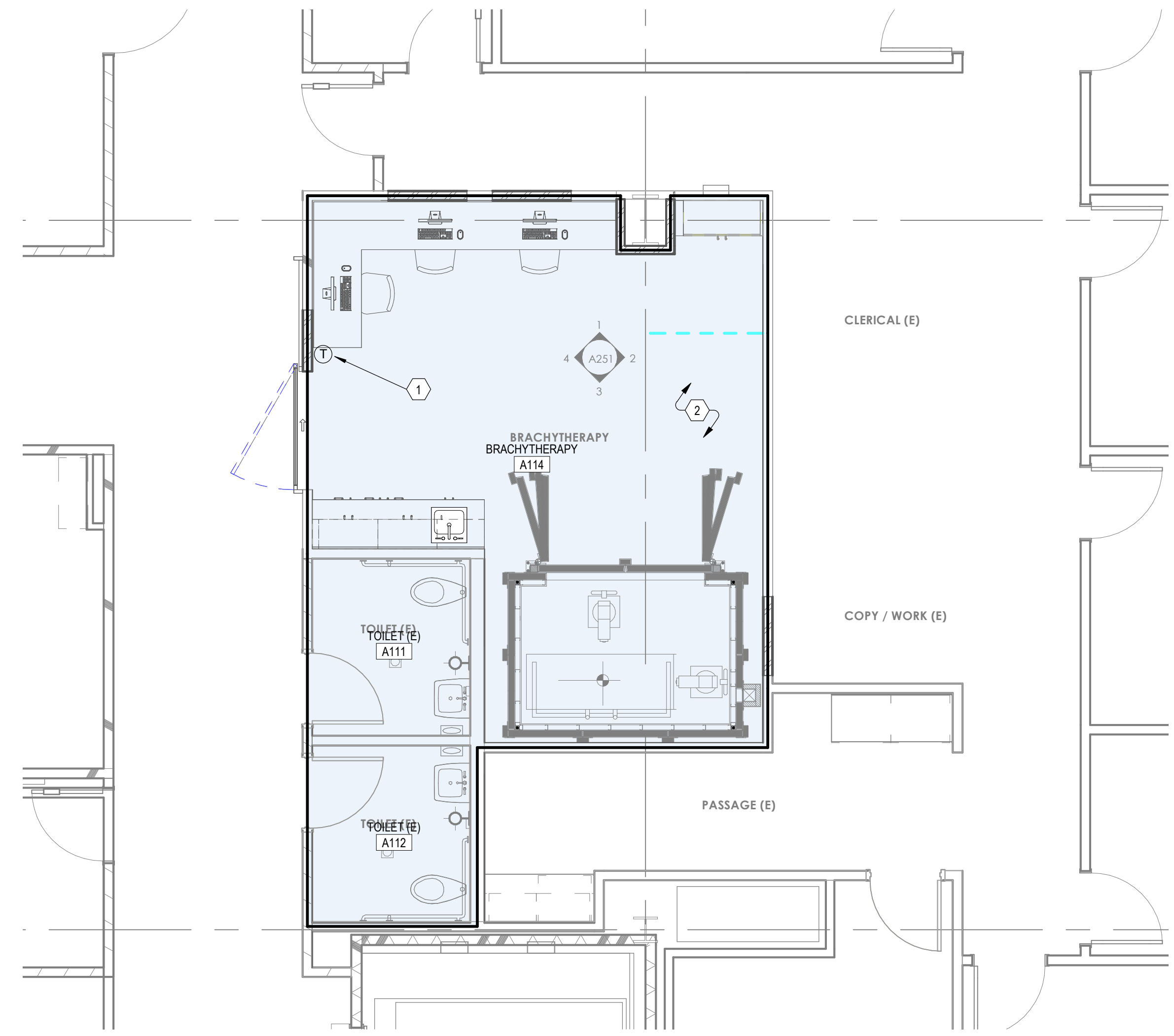
- 1 RELOCATED THERMOSTAT AT APPROXIMATELY THIS LOCATION. COORDINATE EXACT PLACEMENT WITH ARCHITECTURAL ELEVATIONS.
- 2 ALL ROOMS ENCLOSED IN SHADED REGION CONTROLLED BY SAME THERMOSTAT.



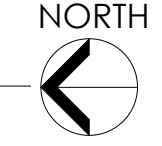
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1 LEVEL 1 THERMAL ZONE DIAGRAM
 SCALE: 1/4" = 1'-0"



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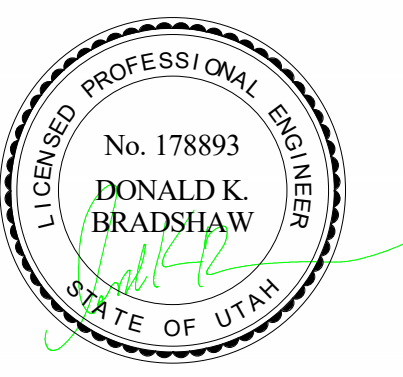
201 W. Layton Parkway
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NJRA Project # 23242.00
 CONSTRUCTION DOCUMENTS Mar. 22, 2024

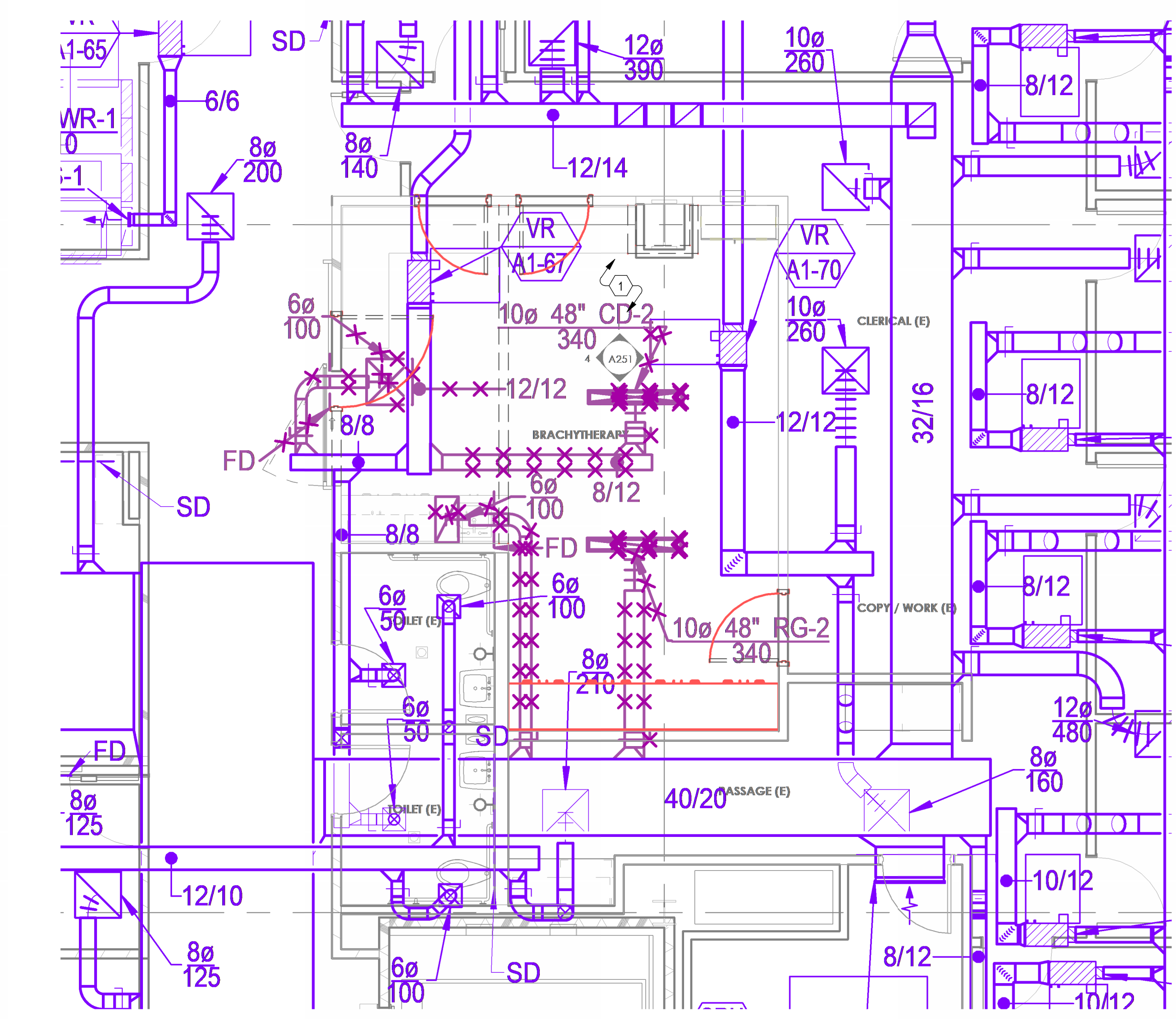
LEVEL 1
 THERMAL
 ZONE PLAN

M011

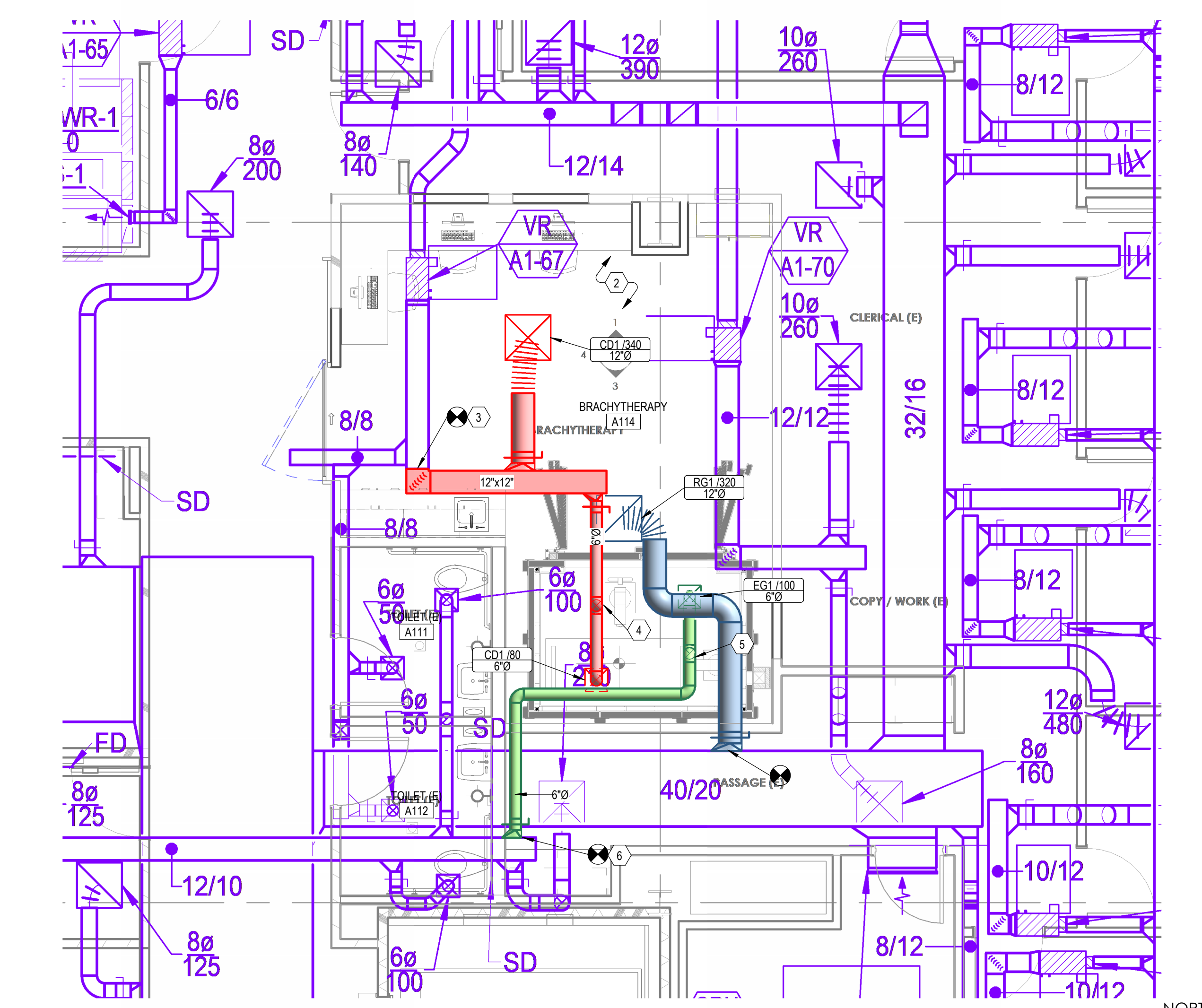
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- KEYNOTES**
- EXISTING SHOWN LIGHT TO REMAIN. ITEMS CROSSED OUT TO BE REMOVED. CAP ALL UNUSED DUCTWORK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
 - EXISTING SHOWN LIGHT TO REMAIN. NEW WORK SHOWN DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
 - CONNECT TO EXISTING DUCT AT APPROXIMATELY THIS POINT. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
 - DROP 6" SUPPLY DUCT INTO BRACHYTHERAPY CHAMBER THROUGH DESIGNATED HVAC OPENING.
 - DROP 6" EXHAUST DUCT INTO BRACHYTHERAPY CHAMBER THROUGH DESIGNATED HVAC OPENING.
 - CONNECT TO EXISTING EXHAUST DUCTWORK. REBALANCE ASSOCIATED EXHAUST FAN.



1 LEVEL 1 HVAC DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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

Intermountain Health
Layton Hospital
Brachytherapy

201 W. Layton Parkway
Layton, UT 84041

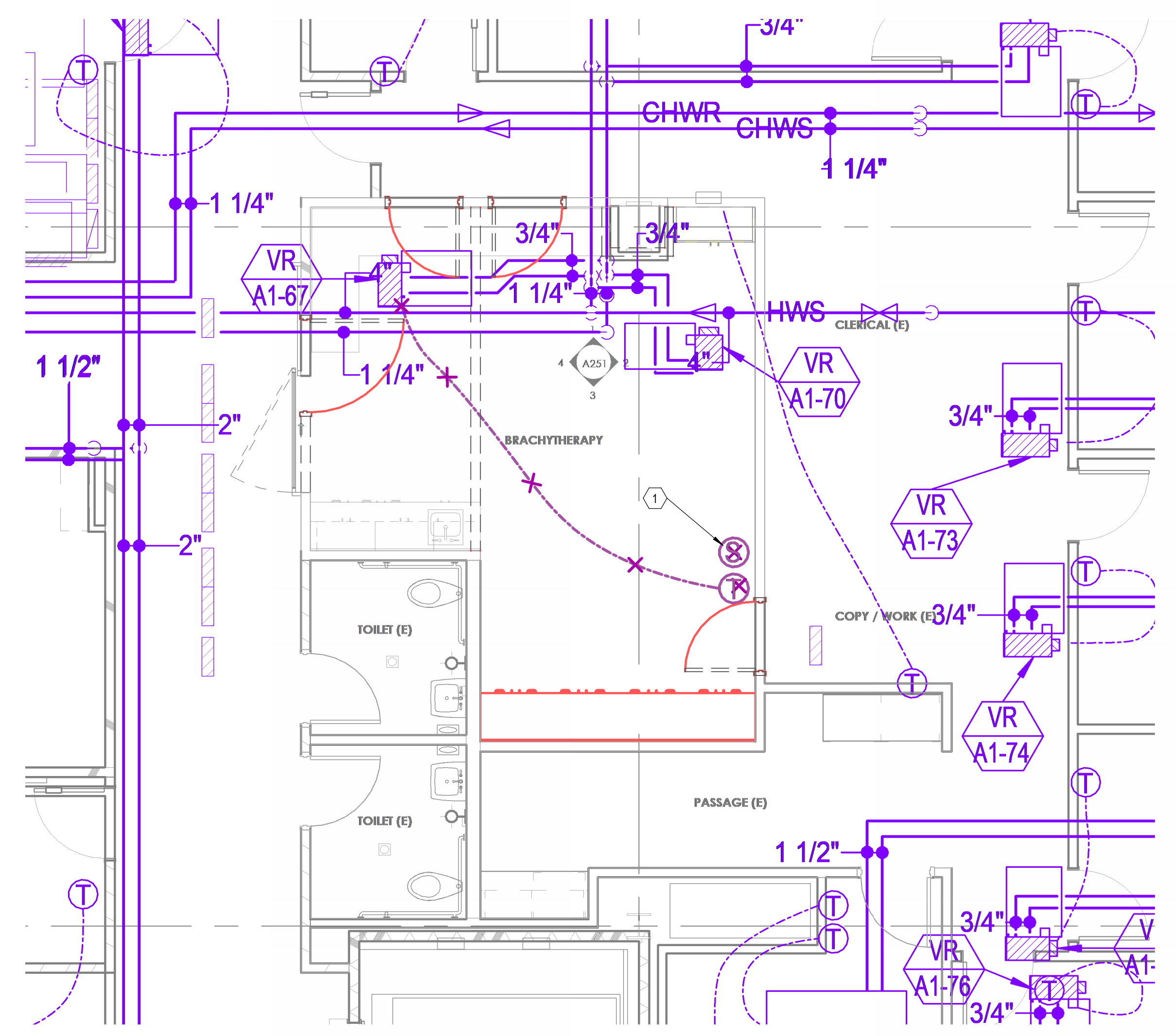
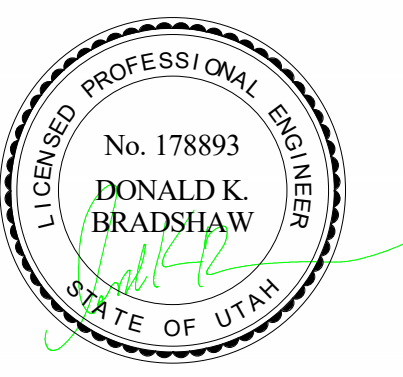
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LEVEL 1 HVAC
DEMOLITION
& NEW

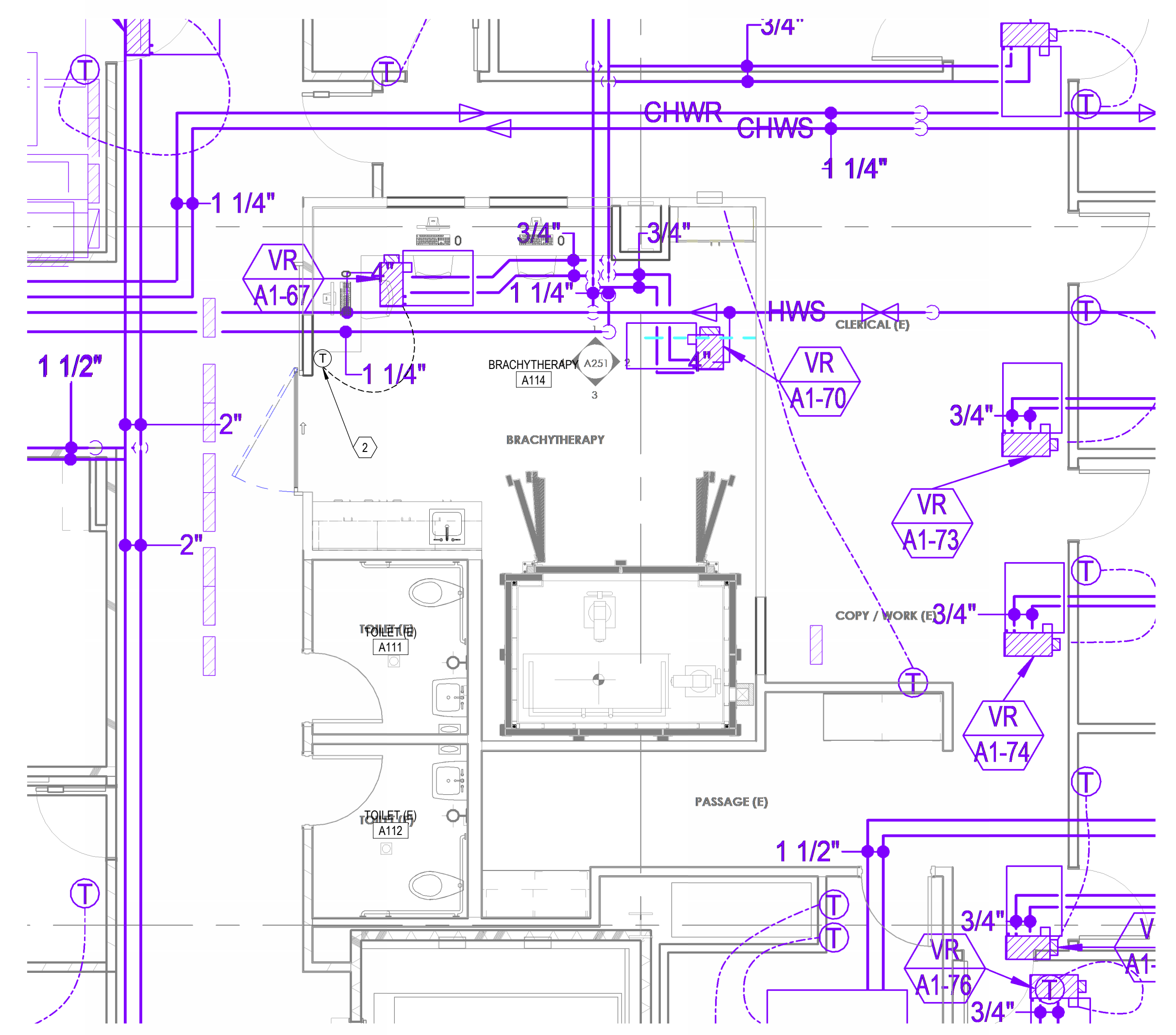
M101

KEYNOTES

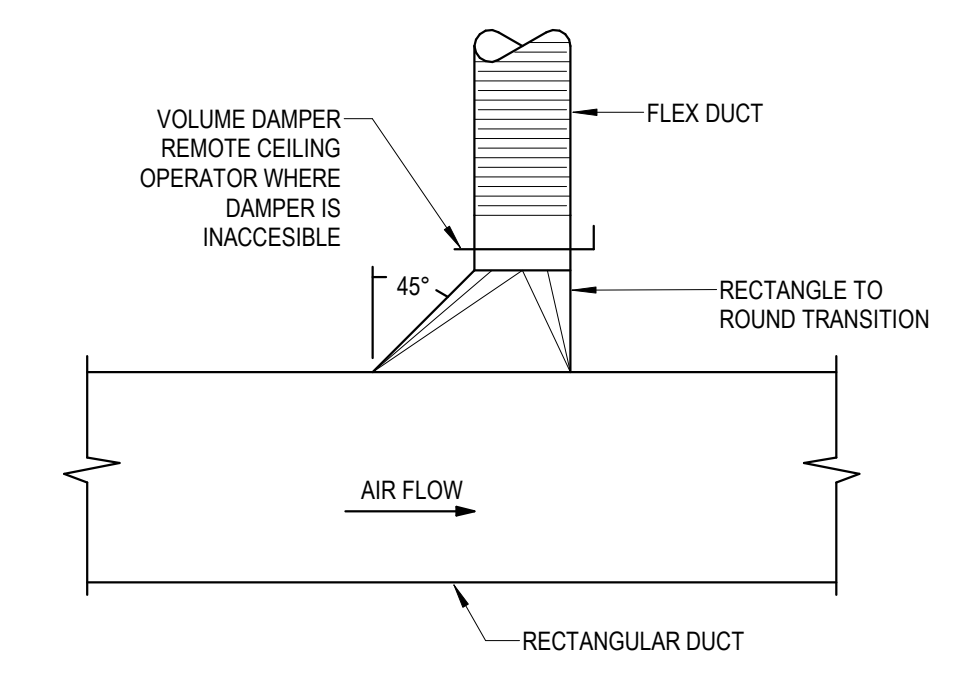
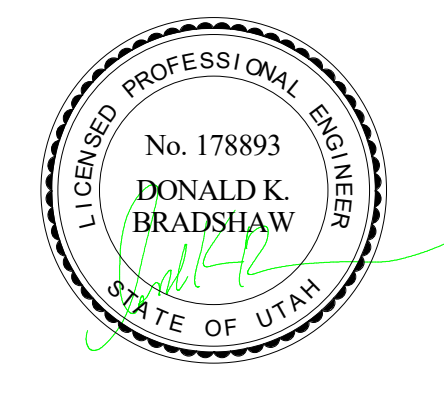
- 1 REMOVE EXISTING THERMOSTAT AND CO2 SENSOR. KEEP THERMOSTAT FOR REINSTALLATION.
- 2 REINSTALL THERMOSTAT AT APPROXIMATELY THIS LOCATION. COORDINATE EXACT PLACEMENT WITH ARCHITECTURAL ELEVATIONS.



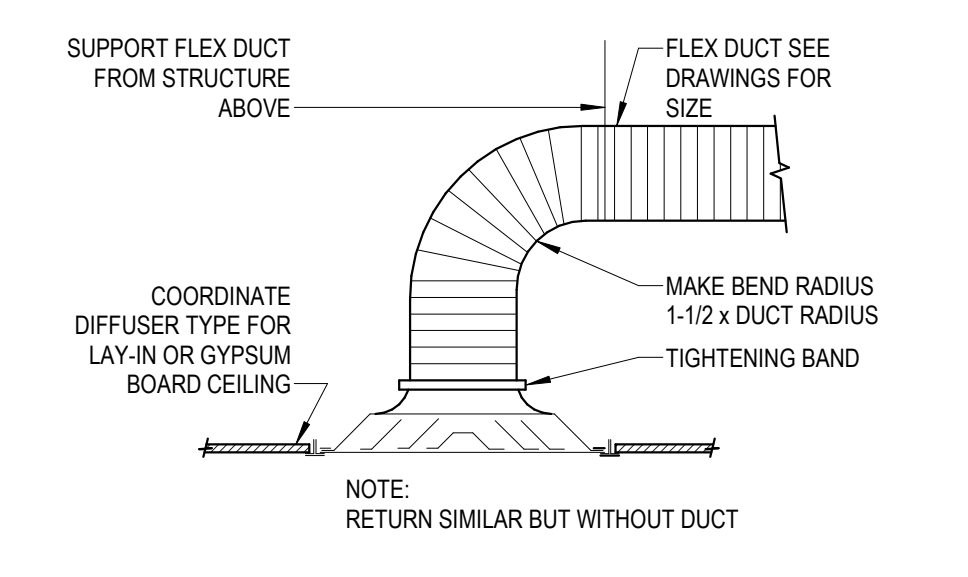
1 LEVEL 1 MECHANICAL PIPING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
NORTH



2 LEVEL 1 MECHANICAL PIPING PLAN
SCALE: 1/4" = 1'-0"
NORTH



1 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
M501 NOT TO SCALE



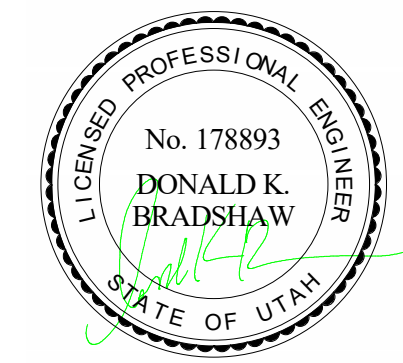
2 DIFFUSER CONNECTION DETAIL
M501 NOT TO SCALE



GRILLE, REGISTER, AND DIFFUSER SCHEDULE				
ID	MANUFACTURER AND MODEL	Count	DESCRIPTION	IMAGE
CD1	TITUS OMNI	2	STYLE: SQUARE PLAQUE FACE CEILING DIFFUSER CONSTRUCTION: STEEL FINISH: POWDER COAT WITH COLOR SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"x24", 20"x20", OR 12"x12". VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: VARIABLE AIR VOLUME SUPPLY	
EG1	TITUS 50F	1	STYLE: CEILING EGGRATE GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"x24" OR AS NOTED ON DRAWINGS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: 1/2"x1/2" PATTERN MAX NC: 25 DAMPER: NONE, OBD, ETC. CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: EXHAUST MINIMUM FREE AREA: 50%	
RG1	TITUS PAR	1	STYLE: SQUARE PERFORATED FACE CEILING GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 48"x24", 24"x24", 24"x12", 20"x20", 18"x18", OR 12"x12" AS SHOWN ON PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: RETURN OR TRANSFER MINIMUM FREE AREA: 50%	

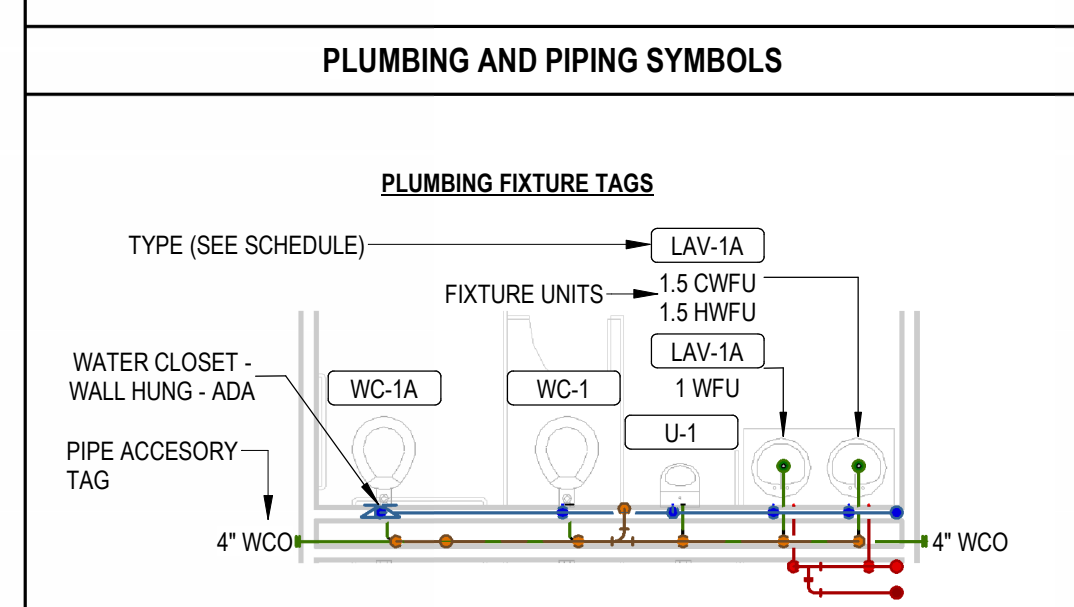
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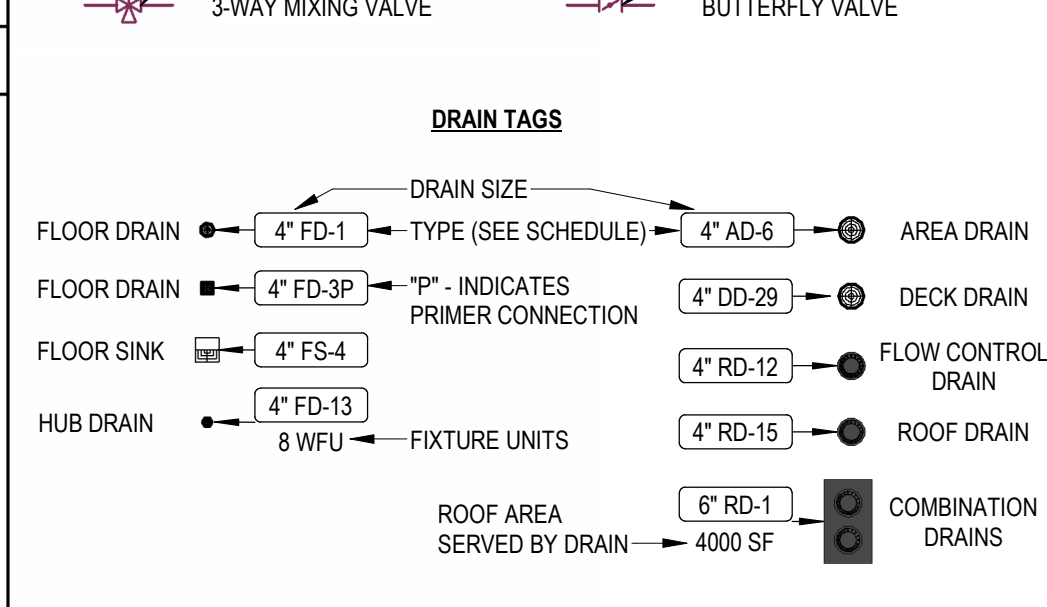
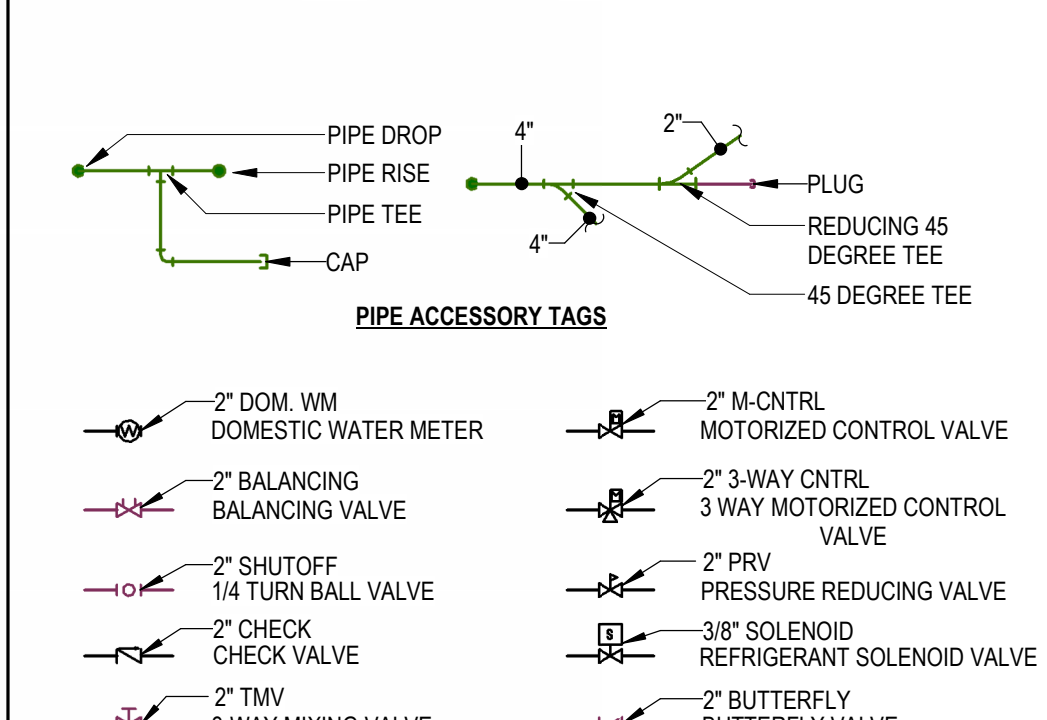


GENERAL MECHANICAL SYMBOLS	
	REVISION NUMBER - SHOWN ON PLANS
	POINT WHERE NEW CONNECTS TO EXISTING
	POINT WHERE EXISTING IS TO BE DEMOLISHED
	NUMBER OF DETAIL ON SHEET
	NUMBER OF SHEET WHERE DETAIL APPEARS
	KEYNOTE
	CONTINUATION SYMBOL
	ROOM NAME AND NUMBER
	ITEM TO BE DEMOLISHED
	AREA NOT IN CONTRACT
	PIPE SIZE TAG (DIAMETER)
	ABOVE GROUND PIPING
	PIPE SLOPE TAG
	BELOW GROUND PIPING
	PIPE INVERT ELEVATION TAG
	EXISTING PIPE TAG
	PIPING BEING DEMOLISHED

ABBREVIATIONS	
Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EW	ENTERING WATER TEMPERATURE
EA	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FD	FIRE DAMPER
FDV	FIRE DEPARTMENT VALVE
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FFM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIT TUBE RADIATION
GAL	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LBHR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAK	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MAXIMUM DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MUA	MAKE-UP AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PV	POST INDICATOR VALVE
PLBS	PLUMBING
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIC	POUNDS PER SQUARE INCH GAUGE
PWR	POWER
R	DUCT RISER
R/A	RELIEF AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
R/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
R/W	RAIN WATER
RV	SQUARE FOOT
SA	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT



PLUMBING AND PIPING SYMBOLS	
	CHWR - CHILLED WATER RETURN
	CHWS - CHILLED WATER SUPPLY
	CD - CONDENSATE DRAINAGE
	CWR - CONDENSER WATER RETURN
	CWS - CONDENSER WATER SUPPLY
	GWR - GEOTHERMAL WATER RETURN
	GWS - GEOTHERMAL WATER SUPPLY
	HWR - HEATING WATER RETURN
	HWS - HEATING WATER SUPPLY
	NG - NATURAL GAS
	PG - PROPANE GAS
	REF-L - REFRIGERANT-LIQUID
	REF-S - REFRIGERANT-SUCTION
	REF-HG - REFRIGERANT-HOT GAS
	STM - STEAM
	CDR - CONDENSATE RETURN
	CWV - COMBINATION WASTE & VENT
	CA - COMPRESSED AIR
	DCW - DOMESTIC COLD WATER
	NPCW - NON-POTABLE COLD WATER
	SCW - SOFT COLD WATER
	FCW - FILTERED COLD WATER
	RO - REVERSE OSMOSIS WATER
	DHW - HOT WATER
	DHW 140° - HOT WATER 140°
	DHW-R - HOT WATER RECIRCULATION
	DHW-R 140° - HOT WATER RECIRCULATION 140°
	NPHW - NON-POTABLE HOT WATER
	GV - GREASE VENT
	GW - GREASE WASTE
	IW - INDIRECT WASTE
	OV - OIL VENT
	OW - OIL WASTE
	PD - PUMP DISCHARGE
	V - SANITARY VENT
	SW - SANITARY WASTE
	SHWR - SOLAR HOT WATER RETURN
	SHWS - SOLAR HOT WATER SUPPLY
	RD - ROOF DRAINAGE
	RDO - ROOF DRAIN OVERFLOW
	CO2 - CARBON DIOXIDE
	HE - HELIUM
	IA - INSTRUMENT AIR
	MA - MEDICAL AIR
	MV - MEDICAL VACUUM
	N2 - NITROGEN
	N2O - NITROUS OXIDE
	O2 - OXYGEN
	WAGD - WASTE ANESTHESIA GAS DISPOSAL



FIRE PROTECTION GENERAL NOTES

- NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
- COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL, MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED. IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS, COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.
- PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TEST SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.
- THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.
- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.
- DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
- THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
- AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
- AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. (EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.)
- SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER HEADS IN THESE ROOMS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.
- THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.

PLUMBING GENERAL NOTES

- 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. VERIFY ALL SLOPING WITH LOCAL CODES.
- 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.
- PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
- 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.
- COORDINATE FAN ROOM FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
- 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.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.
- CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
- LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
- INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
- INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
- MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
- COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
- SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
- HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
- LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING. PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
- FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
- FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
- INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING:
 - SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
 - LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
 - LOCATE AT THE BASE OF EACH VERTICAL STACK.

MEDICAL GAS GENERAL NOTES

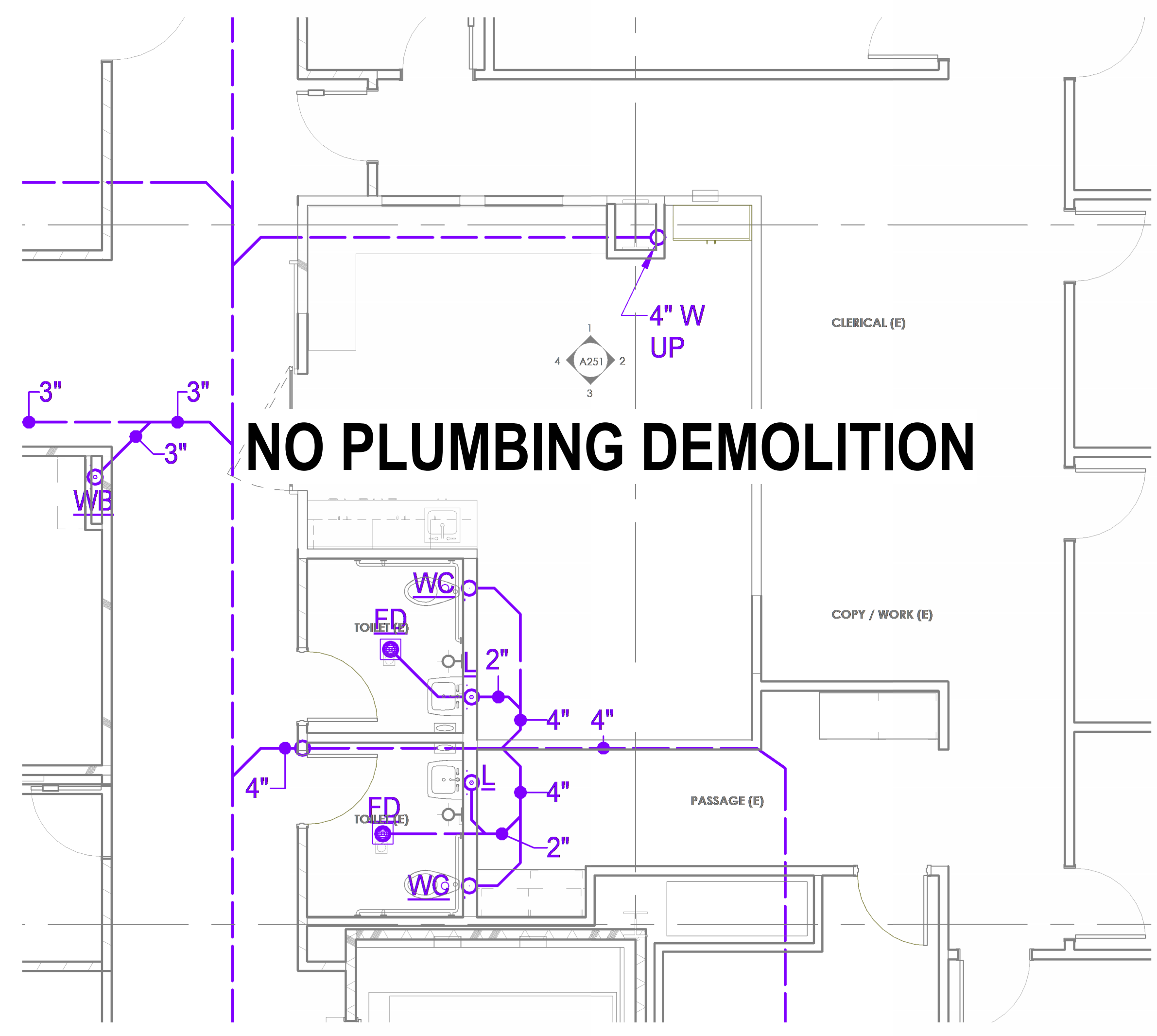
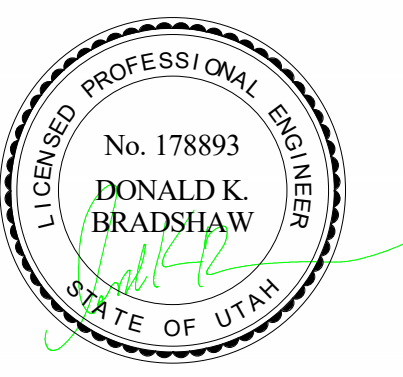
- MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE.
- MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- MOUNT ALL SERVICE VALVES NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- ALL SERVICE VALVES SHALL BE LOCKABLE. PROVIDE FRANGIBLE LOCK FOR ALL SERVICE VALVES.
- ALL ZONE VALVE BOXES REQUIRE SOURCE AIR FROM LEFT SIDE AND CONTROLLED AIR FROM RIGHT SIDE.

NOTE 1:
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

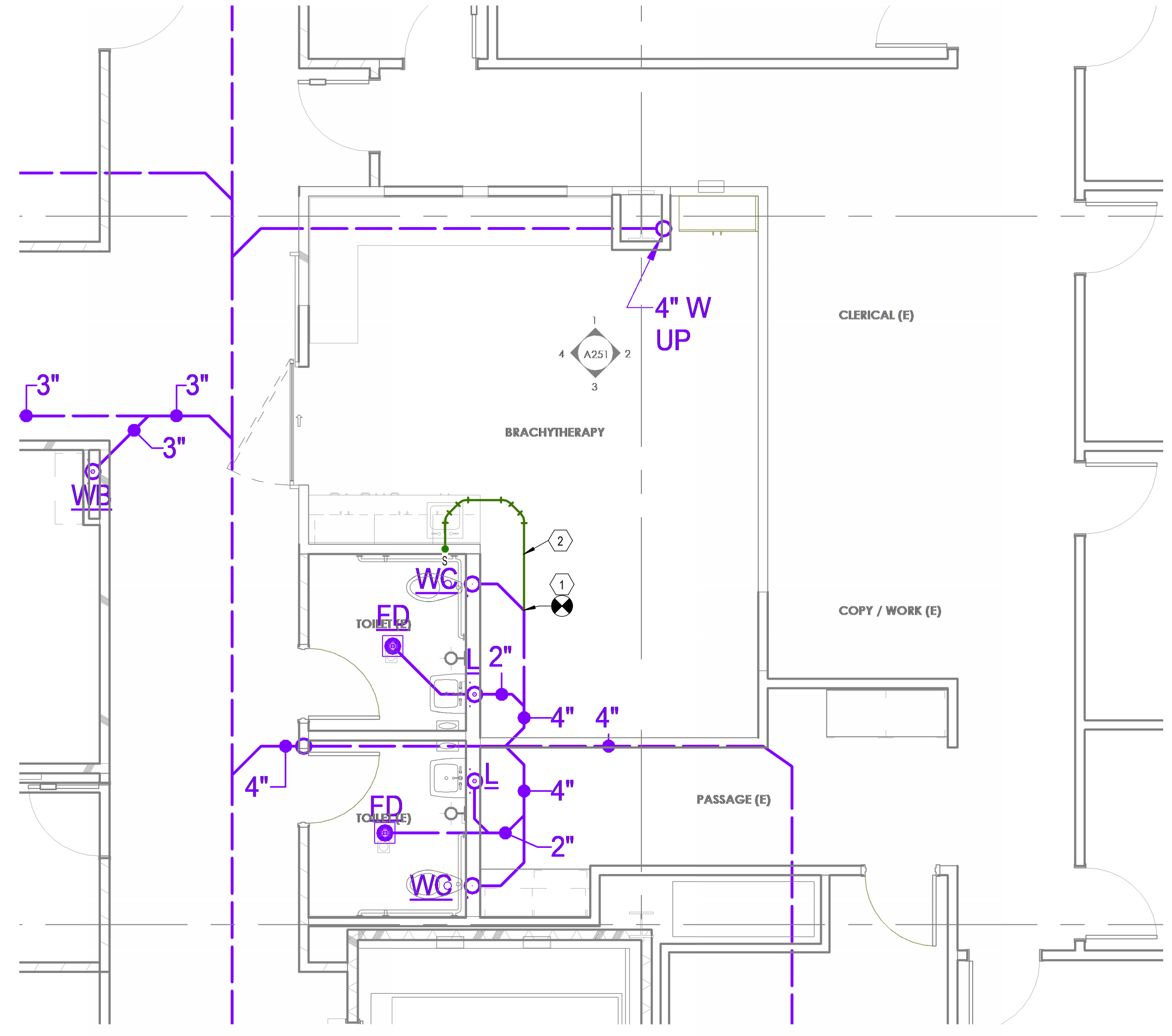
PROJECT GENERAL NOTES

- THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
- REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE TENANT SPACE AND WITHIN CLOSE PROXIMITY TO THE TENANT SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
- COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILING ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK 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. PROVIDE PANS IF REQUIRED UNDER PIPING.
- FIELD SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR GULMING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
- REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
- ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
- FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- 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, GAS DEVICES, MAINTENANCE ACCESS, ETC.
- INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
- LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- DETAILS REFERENCE ALL SHEETS.
- INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
- ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
- LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS, WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STAND ON A LADDER PLACED BELOW THE CEILING ACCESS.
- WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

KEYNOTES
 1 CONNECT INTO EXISTING WASTE LINE APPROXIMATELY HERE.
 2 SAW CUT SLAB ON GRADE TO INSTALL NEW WASTE LINE. PATCH AND REPAIR CONCRETE.



1 BASEMENT PLUMBING DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



2 BASEMENT PLUMBING PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

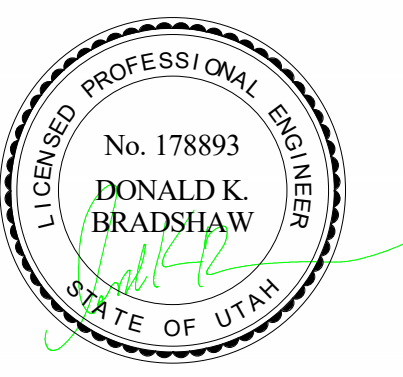
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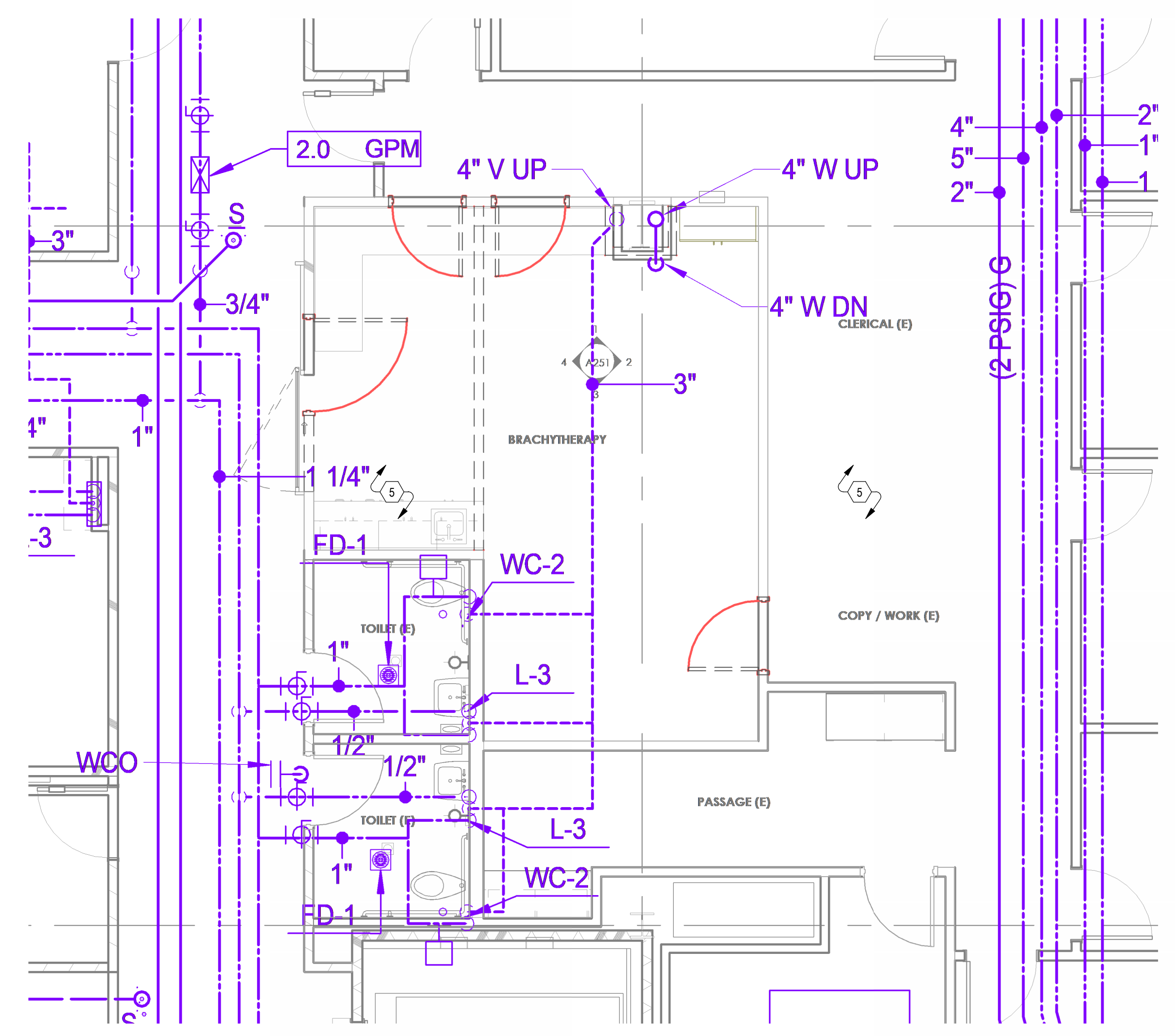
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UNDERFLOOR
 PLUMBING
 DEMOLITION
 & NEW

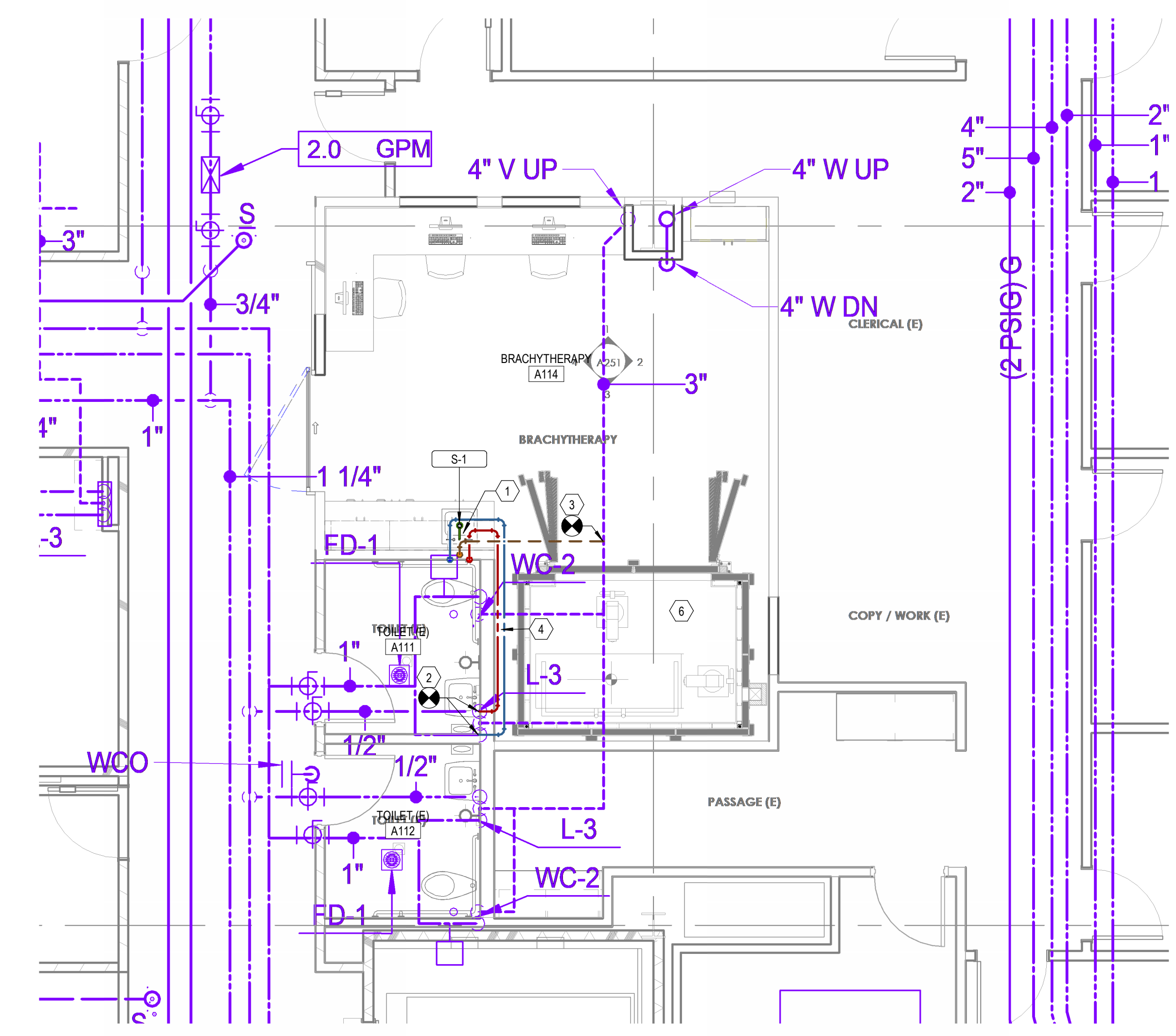
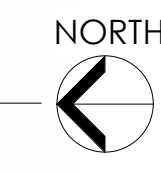
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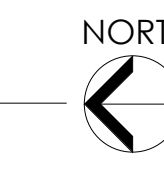
- KEYNOTES**
- 1 BASIN INTEGRAL TO COUNTERTOP, INSTALL NEW FAUCET, ROUGH IN AND CONNECT
 - 2 CONNECT INTO LINES SERVING EXISTING SINK
 - 3 CONNECT INTO EXISTING VENT LINE
 - 4 KEEP PLUMBING LINES AS CLOSE TO EXISTING TOILET ROOM WALL AS POSSIBLE
 - 5 REFER TO FIRE PROTECTION GENERAL NOTES ON M001, P000, OR THE 211000 SPEC FOR ADDITIONAL INFORMATION REGARDING DEMOLITION OF THE FIRE PROTECTION SYSTEM. REUSE EXISTING SYSTEM EQUIPMENT WHERE POSSIBLE.
 - 6 CHAMBER SPRINKLER TO BE SUPPLIED BY PIPING THAT ENTERS THROUGH THE LEAD TRAP IN THE SAME PENETRATION AS THE MECHANICAL DUCTWORK.



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



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

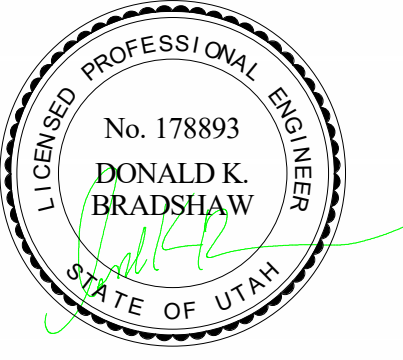


KEYNOTES

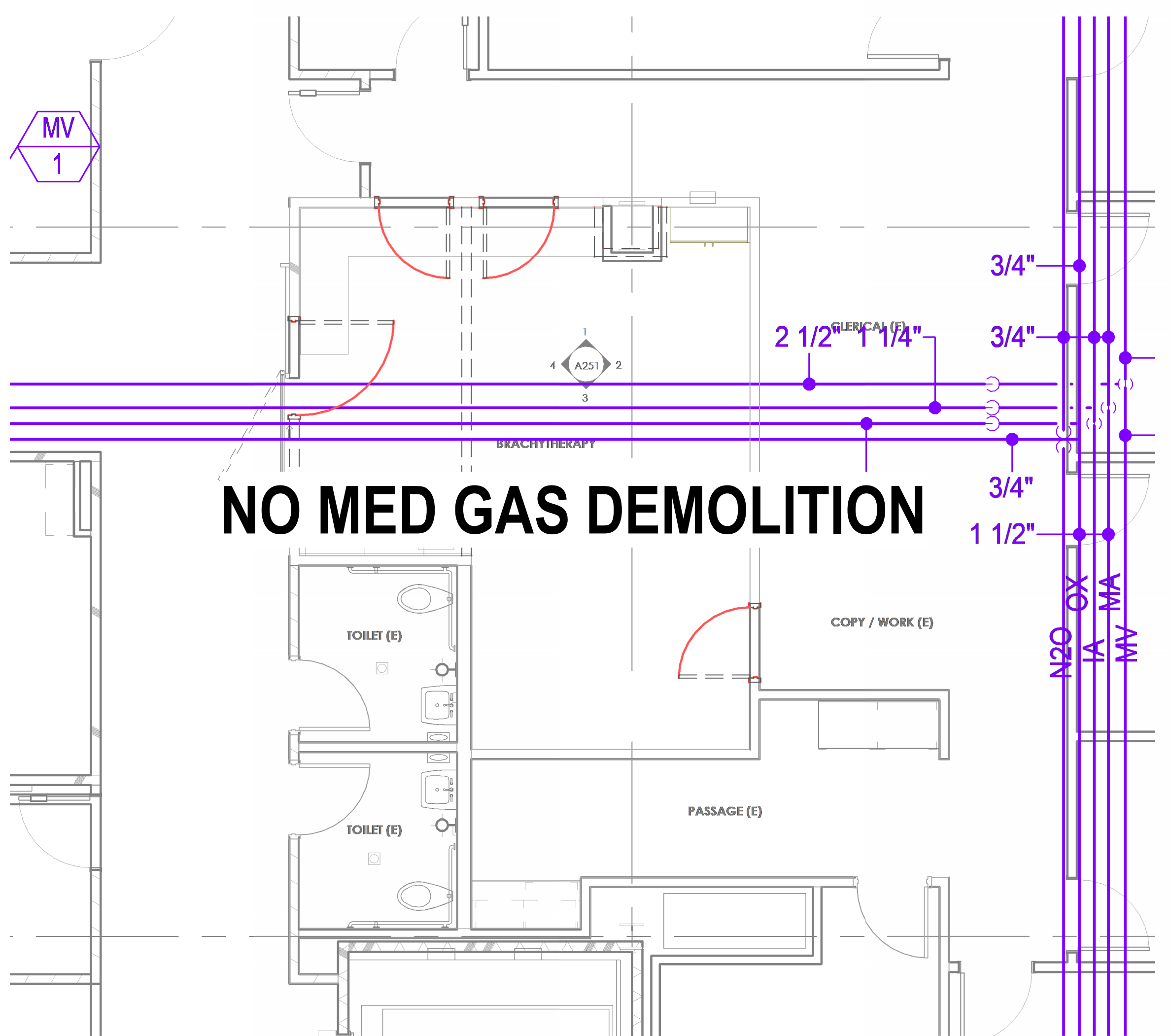
- 1 NEW CONNECTION INTO EXISTING MED GAS OXYGEN PIPING.
- 2 EXTEND OXYGEN LINE INTO CHAMBER THRU HVAC ACCESS PORT WITH DUCTWORK AND FIRESPRINKLER PIPING.



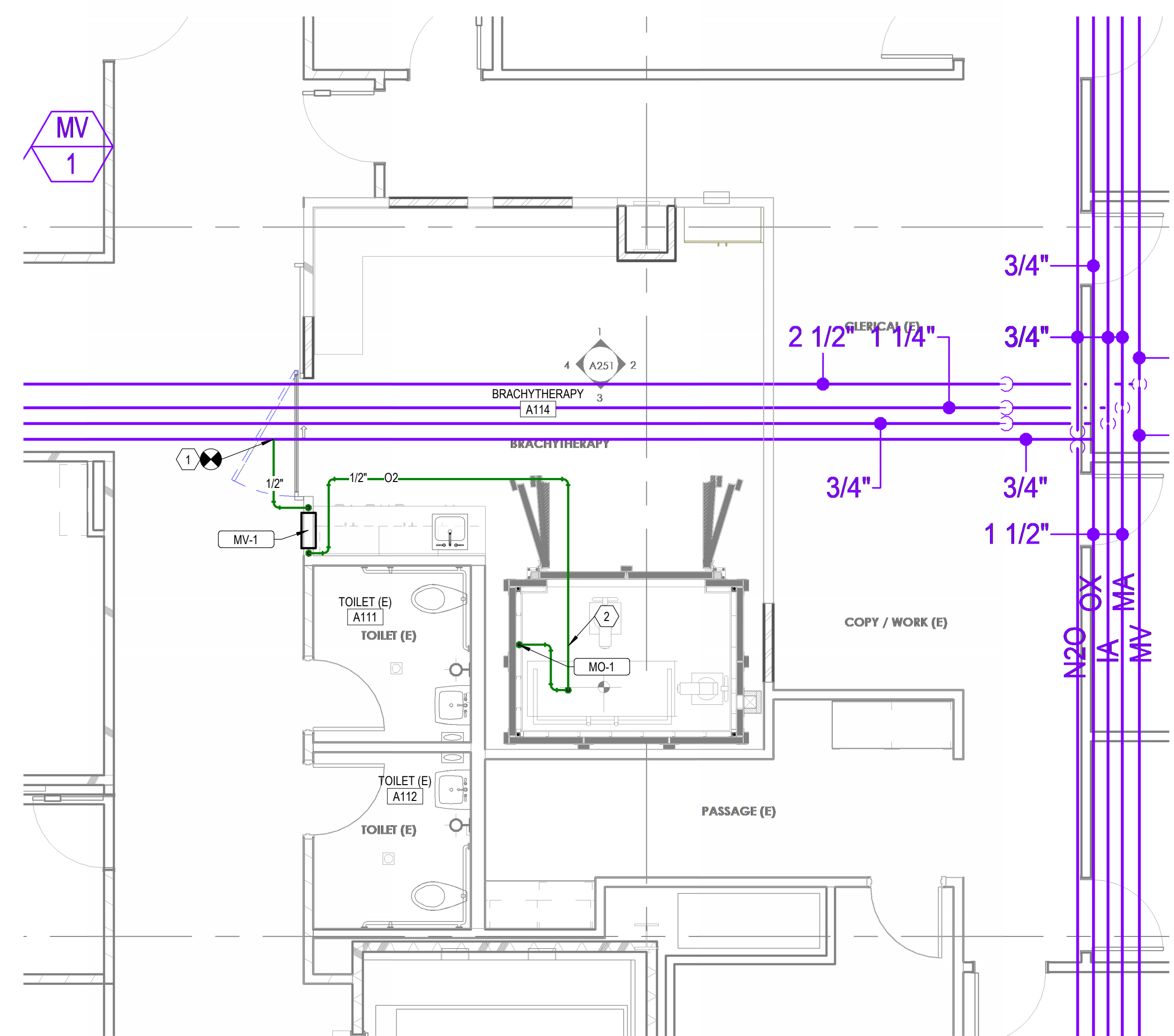
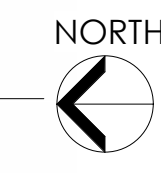
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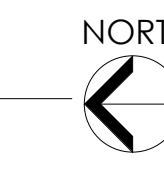
181 East 5000 South
Murray, Utah 84107
O: (801)530-3148
www.vbfa.com
VBFA Project #: 23756



1 LEVEL 1 MED GAS DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



2 LEVEL 1 MED GAS PLAN
SCALE: 1/4" = 1'-0"



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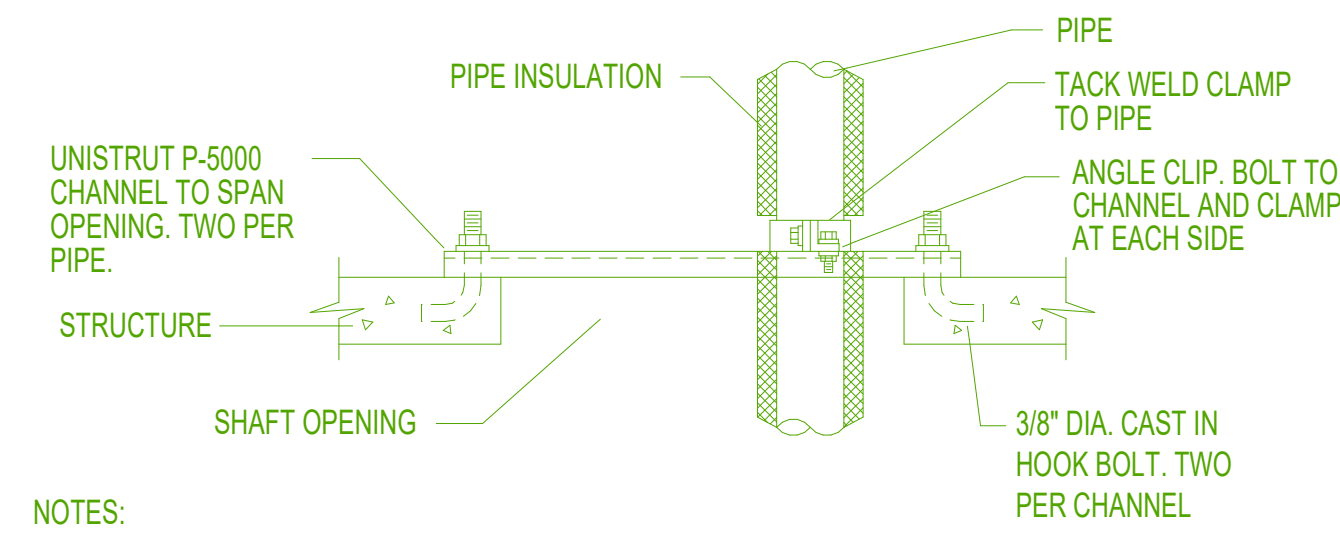
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LEVEL 1 MED GAS DEMOLITION & NEW

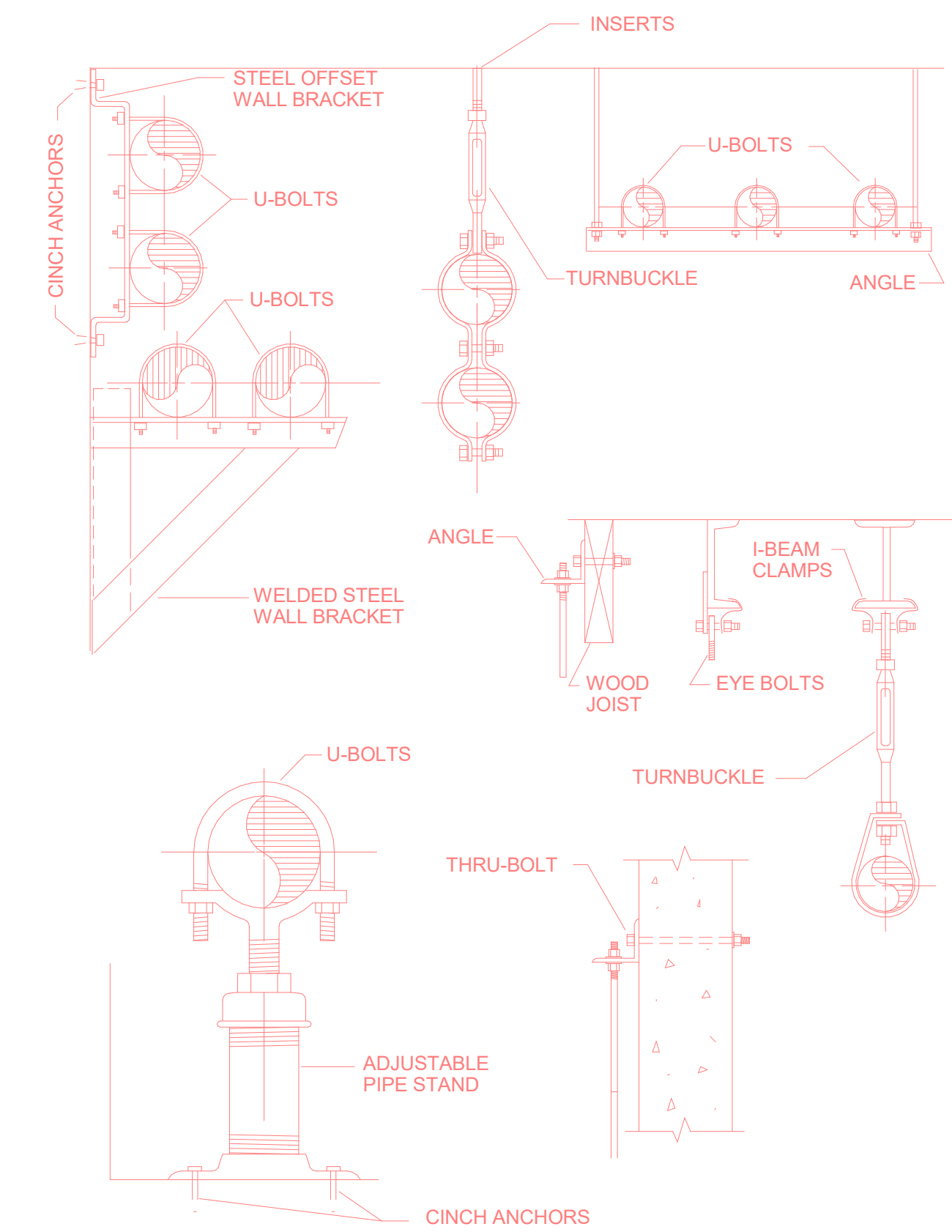
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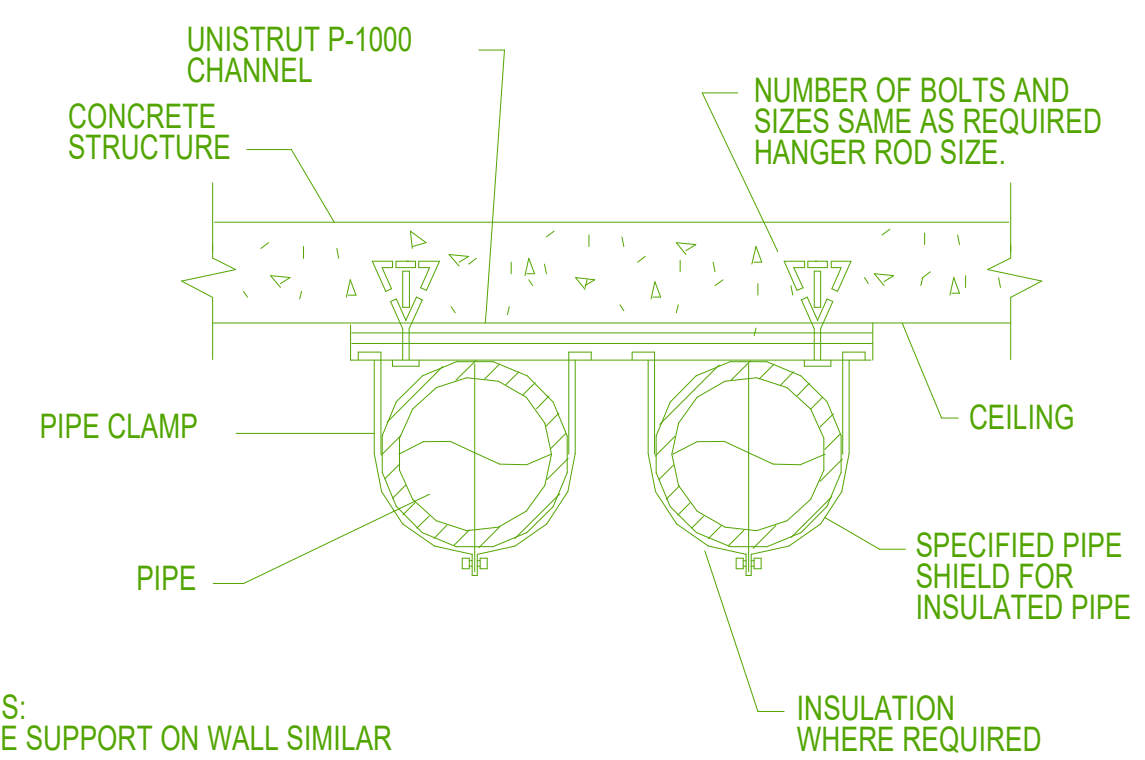


- NOTES:
 1. TYPICAL SUPPORT AT EACH FLOOR.
 2. FOR MULTIPLE PIPES INSTALL CHANNELS IN PARALLEL AND PROVIDE ADDITIONAL FRAMING. SIZES OF FRAMING MEMBERS AS REQUIRED TO SUPPORT TOTAL WEIGHT OF PIPE.
 3. INSULATE CLAMP AT CHILLED WATER PIPE ONLY.

5 PIPE RISER SUPPORT DETAIL
 P501 NO SCALE

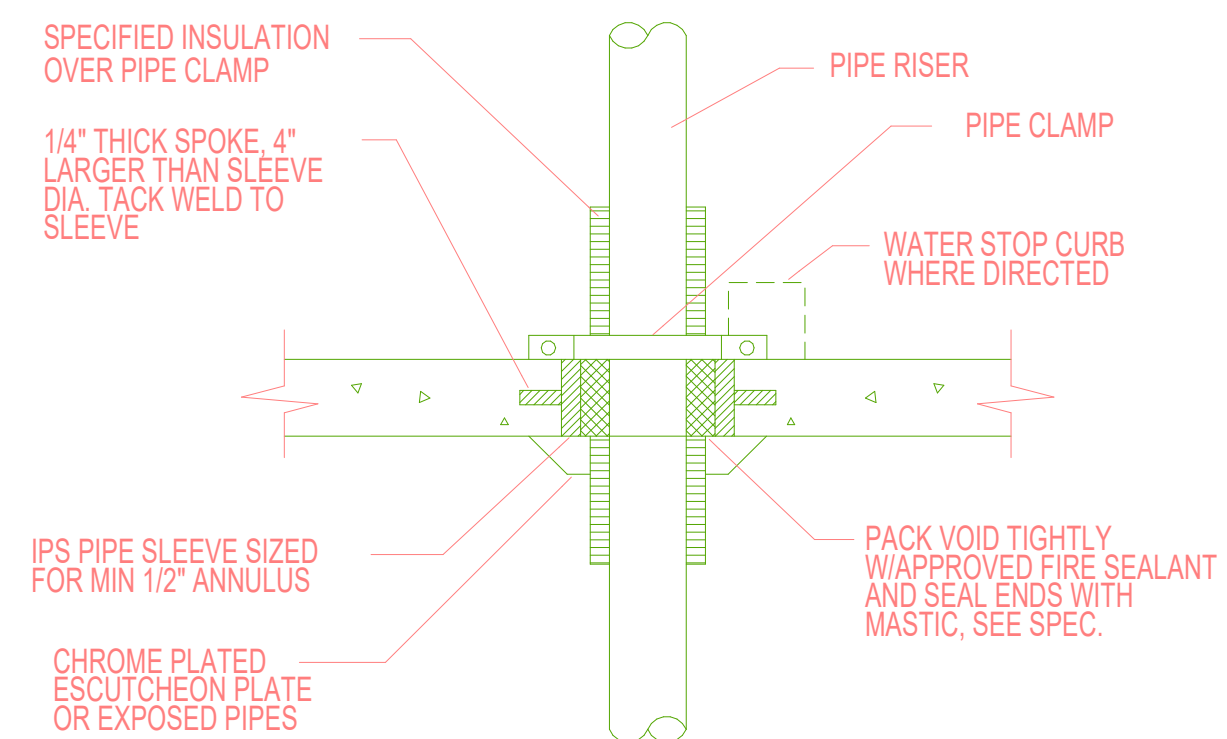


1 TYPICAL PIPE SUPPORT DETAIL
 P501 NO SCALE

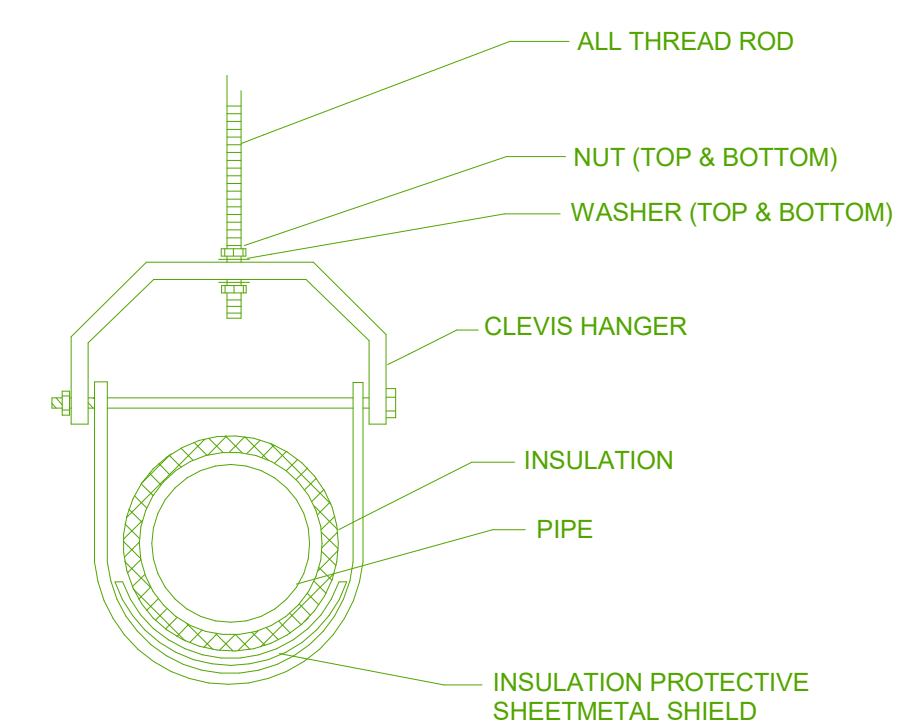


- NOTES:
 1. PIPE SUPPORT ON WALL SIMILAR

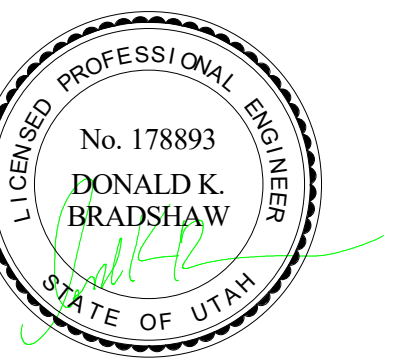
2 PIPE SUPPORT ON CEILING
 P501 NO SCALE



3 PIPE THROUGH FLOOR SLAB DETAIL
 P501 NO SCALE

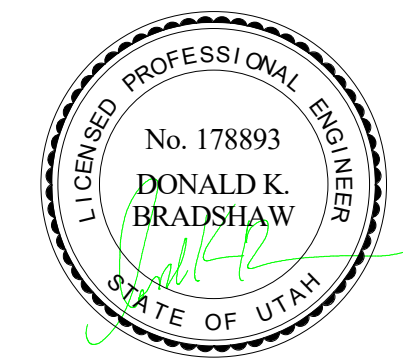


4 TYPICAL CLEVIS HANGER DETAIL
 P501 NO SCALE





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PLUMBING FIXTURE SCHEDULE						
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	SPECIFICATION
S-1	SINK	1/2	1/2	2	1 1/2	BASIN INTEGRAL TO COUNTERTOP. PROVIDE CHICAGO 786-GN8FCBCP FAUCET, N0317 4' WRISTBLADES, GN8 RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.5 GPM FC LAMINAR FLOW CONTROL IN SPOUT AND PLAIN END SPOUT RING. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, JUST J-35 STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.

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

MEDICAL GAS VALVE SCHEDULE					
SYMBOL	AREA SERVED	PIPE SIZE			REMARKS
		OX	MA	MV	
MV-1	BRACHYTHERAPY VAULT	1/2"	--	--	1

1. WITH GAUGES

MEDICAL GAS OUTLETS SCHEDULE							
SYMBOL	ROOM TYPE	# OF...	PIPE DROP SIZE TO OUTLET(S)				REMARKS
			OX	MA	MV	CO2	
MO-1	BRACHYTHERAPY VAULT	1	--	--	1/2"	--	1

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMETRON-STYLE QUICK-CONNECTS
 OUTLETS IN "MEDICAL EQUIPMENT" ARE SUPPLIED WITH THE PIECE OF EQUIPMENT
 1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS.

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PLUMBING SCHEDULES

P601

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO, REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
WIRING METHODS	
	WIRING.
	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	JUNCTION BOX, CEILING.
	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. "+A-C-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
LIGHTING	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/OR GENERATOR AND/OR CENTRALIZED INVERTER AND/OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	PHOTOCELL.
	PHOTOCELL, WALL MOUNTED.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
	DIGITAL LIGHTING ROOM CONTROLLER
	DIGITAL LIGHTING DIMMING CONTROLLER
	DIGITAL PLUG LOAD CONTROLLER
	LIGHTING SPACE CONTROL TYPE: X INDICATES TYPE. SEE SCHEDULE 1 DIAGRAM.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WITH USB OUTLET
FIRE ALARM	
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
	STROBE, WALL MOUNTED.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
SECURITY	
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
	ACCESS CONTROL HEADEND EQUIPMENT.
#1 symbol"/>	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.
	KEYPAD/CARD READER COMBINATION.
	PANIC DURESS SWITCH.
CCTV	
	CCTV CABLE, POWER.
	CCTV CABLE, VIDEO SIGNAL.
	CCTV HEADEND EQUIPMENT.
	CCTV MONITOR.
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
	CCTV CAMERA WITH PAN, TILT AND ZOOM.
	PANNING CAMERA TRANSVERSE ANGLE.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	PUSH BUTTON, REMOTE EMERGENCY STOP.
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	METER.
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, ADJUSTABLE TRIP. "225A" REPRESENTS THE RATING AND "150A" REPRESENTS THE TRIP SETTING. (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUS-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
TV DISTRIBUTION	
	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
	TV DISTRIBUTION CABLE, TRUNK.
	DIRECTIONAL COUPLER.
	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.

ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	KVAR	KILOVOLT AMPERE REACTIVE
1PH	SINGLE-PHASE	KW	KILOWATT
1WAY	ONE-WAY	KWH	KILOWATT HOUR
2/C	TWO-CONDUCTOR	LED	LIGHT EMITTING DIODE
2WAY	TWO-WAY	LFCM	LIQUID TIGHT FLEXIBLE METAL CONDUIT
3/C	THREE-CONDUCTOR	LFCN	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
3WAY	THREE-WAY	LPS	LOW PRESSURE SODIUM
4OUT	QUADRUPLE RECEPTACLE OUTLET	LRA	LOCKED ROTOR AMPS
4PDT	FOUR-POLE DOUBLE THROW	LTG	LIGHTING
4PST	FOUR-POLE SINGLE THROW	LV	LOW VOLTAGE
4W	FOUR-WIRE	MATV	MASTER ANTENNA TELEVISION SYSTEM
4WAY	FOUR-WAY	MAX	MAXIMUM
A	ABOVE COUNTER	MC	METAL CLAD
AC	ARMORED CABLE	MCA	MINIMUM CIRCUIT AMPS
ADA	AMERICANS WITH DISABILITIES ACT	MCB	MAIN CIRCUIT BREAKER
ADJ	ADJACENT	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISHED FLOOR	MCP	MOTOR CIRCUIT PROTECTION
AFG	ABOVE FINISHED GRADE	MCP	MAIN DISTRIBUTION PANEL
AIC	AMPERE INTERRUPTING CAPACITY	MG	MOTOR GENERATOR
ALUM	ALUMINUM	MH	MANHOLE
AMP	AMPERE	MM	MINIMUM
ANN	ANNUNCIATOR	MN	MINUS ONLY
AP	ACCESS POINT (WIRELESS DATA)	MOC	MAXIMUM OVERCURRENT PROTECTION
AR	AS REQUIRED	MTS	MANUAL TRANSFER SWITCH
ASC	AMPS SHOWING CIRCUIT	NOT	NOT APPLICABLE
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
AV	AUDIO VISUAL	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BB	BUCK-BOOST TRANSFORMER	NFC	NATIONAL FIRE CODE
BF	BELOW FINISHED FLOOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BFG	BELOW FINISHED GRADE	NIC	NOT IN CONTRACT
CM	CEILING MOUNTED	NL	NIGHT LIGHT
CAT	CATEGORY	NO	NORMALLY OPEN
CATV	COMMUNITY ANTENNA TELEVISION	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	OC	ON CENTER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	OCP	OVER CURRENT PROTECTION
CCTV	CLOSED CIRCUIT TELEVISION	OWNER	OWNER ELECTRONIC SYSTEMS
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED	OF/OI	OWNER FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OPF	OBTAIN FROM PLANS
CKT	CIRCUIT	OH DR	OVERHEAD (COILING) DOOR
OM	CONSTRUCTION MANAGER	OL	OVERLOAD
CND	CONDUIT	PB	PUSHBUTTON
CO	CONVENIENCE OUTLET	PF	POWER FACTOR
COR	CONTRACTING OFFICER'S REPRESENTATIVE	PH	PHASE
CP	CONTROL PANEL	PANL	PANEL
CT	CURRENT TRANSFORMER	PNN	PLENUM
CTV	CABLE TELEVISION	PR	PAIR
CU	COPPER	PS	POWER SUPPLY
DBA	UNIT OF SOUND LEVEL	PT	POTENTIAL TRANSFORMER
DPDT	DOUBLE POLE, DOUBLE THROW	PTZ	PAN/TILT/ZOOM
DS	DISCONNECT SWITCH	PV	PHOTO VOLT/VA
E	ENHANCED	QTY	QUANTITY
EA	EACH	R	REFLECTED CEILING PLAN
EM	EMERGENCY	RCP	REFLECTED CEILING PLAN
EMT	ELECTRICAL METALLIC TUBING	RMC	RIGID METAL CONDUIT
ENT	ELECTRIC NONMETALLIC TUBING	RNC	RIGID NONMETAL CONDUIT
EPO	EMERGENCY POWER OFF	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT	RPP	RISER PATCH PANEL
ER	EQUIPMENT ROOM	RR	REMOVE AND RELOCATE
EX	EXISTING	S/S	START/STOP
F	FURNITURE MOUNTED	SCA	SHORT CIRCUIT AMPS
FA	FIRE ALARM	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
FAP	FIRE ALARM CONTROL PANEL	SF	SQUARE FOOT (FEET)
FLA	FULL LOAD AMPS	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FMC	FLEXIBLE METAL CONDUIT	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SPDT	SINGLE POLE, DOUBLE THROW SPECIFICATION
FP	FIBER PATCH PANEL	SPP	STATION PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING	SPST	SINGLE POLE, SINGLE THROW
FVR	FULL VOLTAGE REVERSING	ST	SINGLE THROW
GEN	GENERATOR	SWBD	SWITCHBOARD
GFCI	GROUND FAULT INTERRUPTER	SWGR	SWITCHGEAR
GFP	GROUND FAULT PROTECTION	TL	TWIST LOCK
GIG	GIGA HERTZ	TP	TELEPHONE POLE
GND	GROUND	TP	TWISTED PAIR
GND	HEAVY DUTY GROUND	TR	TELECOMMUNICATIONS ROOM
HID	HIGH INTENSITY DISCHARGE	TTB	TELEPHONE TERMINAL BOARD
HOA	HAND-OFF-AUTOMATIC	TV	TELEVISION
HP	HORSE POWER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HPF	HIGH POWER FACTOR	TYF	TYPICAL
HPS	HIGH PRESSURE SODIUM	UF	UNDERFLOOR
HV	HIGH VOLTAGE	UGND	UNDERGROUND
HWM	HORIZONTAL WIRE MANAGEMENT	UPS	UNINTERRUPTIBLE POWER SUPPLY
HZ	HERTZ	V	VOLTS
I/O	INPUT/OUTPUT	VA	VOLT AMPERE
IG	ISOLATED GROUND	VFC/VF	VARIABLE FREQUENCY MOTOR CONTROLLER
IMC	INTERMEDIATE METAL CONDUIT	W	VERTICAL WIRE MANAGEMENT
INIS	INSULATED/ISOLATED	W	WITH
IR	INFRARED	W/O	WITHOUT
J-BOX	JUNCTION BOX	WP	WEATHERPROOF
KV	KILOVOLT	WPP	WIRELESS PATCH PANEL
KVA	KILOVOLT AMPERE	XFMR	TRANSFORMER

GENERAL ELECTRICAL NOTES	
1.	CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, OMISSIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC., SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2.	OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM. A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT. B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGE ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER. C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND INSPECTING OWNER FURNISHED ITEMS AT THE JOB SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE TO EXPOSED STRUCTURE CEILING AREAS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3.	EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION CONCEALS): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE. EXPOSED STRUCTURE CEILING AREAS, ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4.	SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5.	REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6.	ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED:	THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.
DIRECTED:	TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.
APPROVED:	THE TERM "APPROVED" WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.
FURNISH:	THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."
INSTALL:	THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."
PROVIDE:	THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."
INSTALLER:	AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.
TECHNOLOGY SYSTEMS:	THE

CABLE/OUTLET COLOR SCHEDULE	
COLOR	TYPE
BLACK	TV COAX
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GRAY	SECURITY CARD READERS
ORANGE	CLINICAL ENGINEERING / NURSE CALL
RED	FIRE SYSTEMS
RED	FORESEER
WHITE	PUBLIC ADDRESS
YELLOW	WIRELESS
GREEN	VENDOR NETWORK

COPPER PATCH CORD SCHEDULE (CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)			
LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	20% OF TOTAL PORTS IN TDR'S	
7'	BLUE	60% OF TOTAL PORTS IN TDR'S	
10'	BLUE	20% OF TOTAL PORTS IN TDR'S	

EQUIPMENT/CABLE LIST		
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS, WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A F/UTP PLENUM RATED, BLUE, DATA	SIEMON 9A6P4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A UTP, PLENUM RATED, ORANGE, NURSE CALL	SIEMON 9A6P4-A5-09-R1A
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10MIX-FPS04-02
▼	CATEGORY 6A JACK - DATA, BLUE	SIEMON 2BA-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	PATCH CABLE, CAT 6A SHIELDED, BLUE, 5 FOOT	SIEMON 2M6A-S05-06
	PATCH CABLE, CAT 6A SHIELDED, BLUE, 7 FOOT	SIEMON 2M6A-S07-06
	PATCH CABLE, CAT 6A SHIELDED, BLUE, 10 FOOT	SIEMON 2M6A-S10-06
	PATCH CABLE, CAT 6A, ORANGE, 5 FOOT - NURSE CALL ONLY	SIEMON 2M6A-S05-09
	PATCH CABLE, CAT 6A, ORANGE, 7 FOOT - NURSE CALL ONLY	SIEMON 2M6A-S07-09
	PATCH CABLE, CAT 6A, ORANGE, 10 FOOT - NURSE CALL ONLY	SIEMON 2M6A-S10-09

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

GENERAL PROJECT NOTES

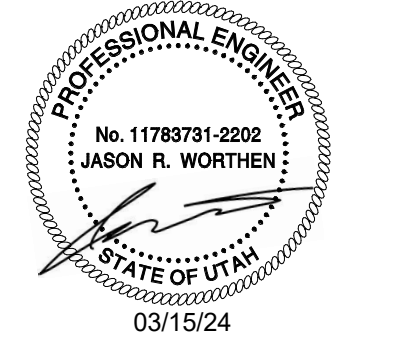
- UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING, WHICH IS REQUIRED AS PART OF THIS CONTRACT PRIOR TO FABRICATION. SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES, BUT IS NOT LIMITED TO, ALL CABLE LABELING AND ALL EQUIPMENT LABELING.
- IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- FOR EVERY PULL SPECIFIED, COIL 15 FEET OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15 FEET ABOVE THE CEILING OR BELOW THE FLOOR, WHERE APPLICABLE.
- PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF THERE IS A SYSTEM THAT HAS NO RACK SPACE AVAILABLE, PLEASE CALL BOE SAUSED0 AT 801-707-3805.
- COORDINATE WITH ALL SUB-CONTRACTORS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
- CONTRACTOR TO PROVIDE FIRE-RATED SLEEVES THROUGH 1-HOUR RATED WALLS AND HIGHER. NUMBER OF SLEEVES TO BE DETERMINED AND CALCULATED BY MAXIMUM CABLE TRAY CAPACITY AT WALL PENETRATION. FINAL QUANTITY OF SLEEVES TO BE DETERMINED BY CONTRACTOR.
- CONTRACTOR TO PROVIDE SMOKE AND ACOUSTICAL-RATED SLEEVES THROUGH SMOKE WALLS AND ALL OTHER NON-RATED PENETRATIONS. (2) 4" SLEEVES PER ROOM FOR CABLE CAPACITY AND SERVICE SEPARATION. FINAL QUANTITY OF SLEEVES TO BE DETERMINED BY CONTRACTOR. (1) SLEEVE PER J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.
- CONTRACTOR TO PROVIDE FIRE-RATED SLEEVES THROUGH 1-HOUR RATED WALLS AND HIGHER. (1) SLEEVE PER J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.
- CONTRACTOR TO PROVIDE SMOKE AND ACOUSTICAL-RATED SLEEVES THROUGH SMOKE WALLS AND ALL OTHER NON-RATED PENETRATIONS. (1) SLEEVE THROUGH J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.



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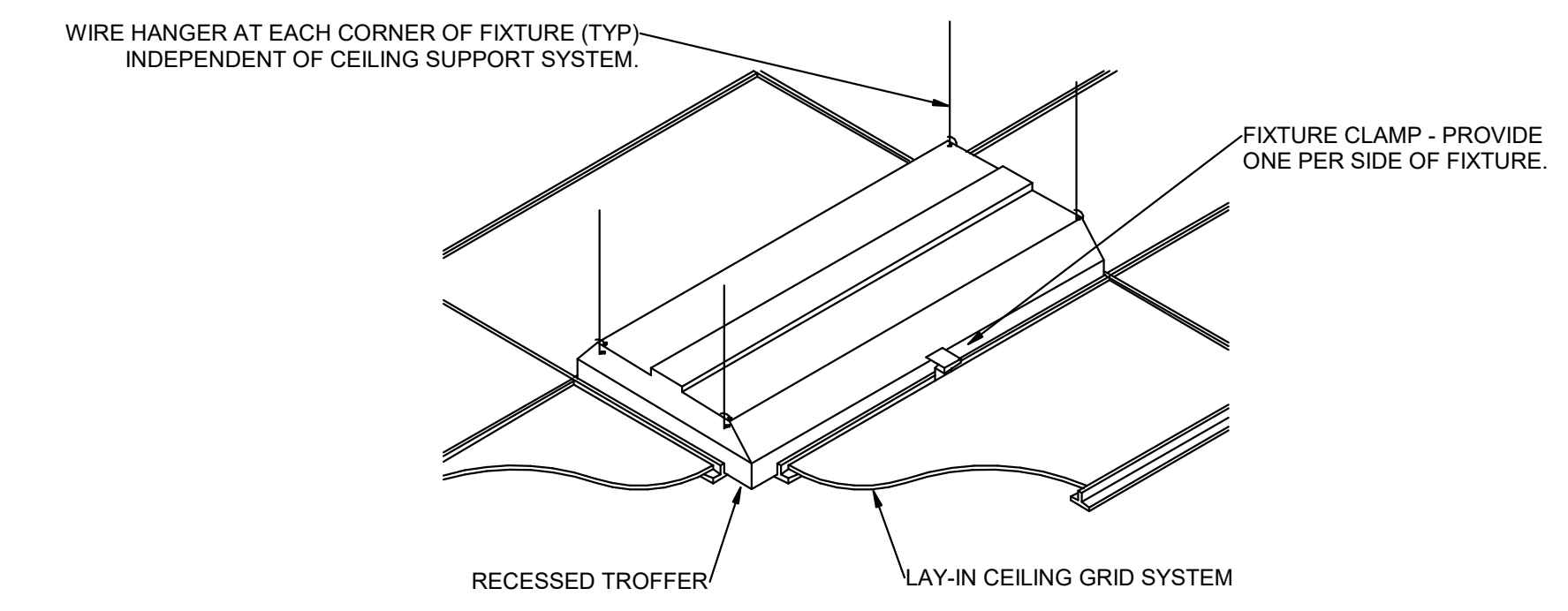
Intermountain Health
Layton Hospital
Brachytherapy

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Layton, UT 84041

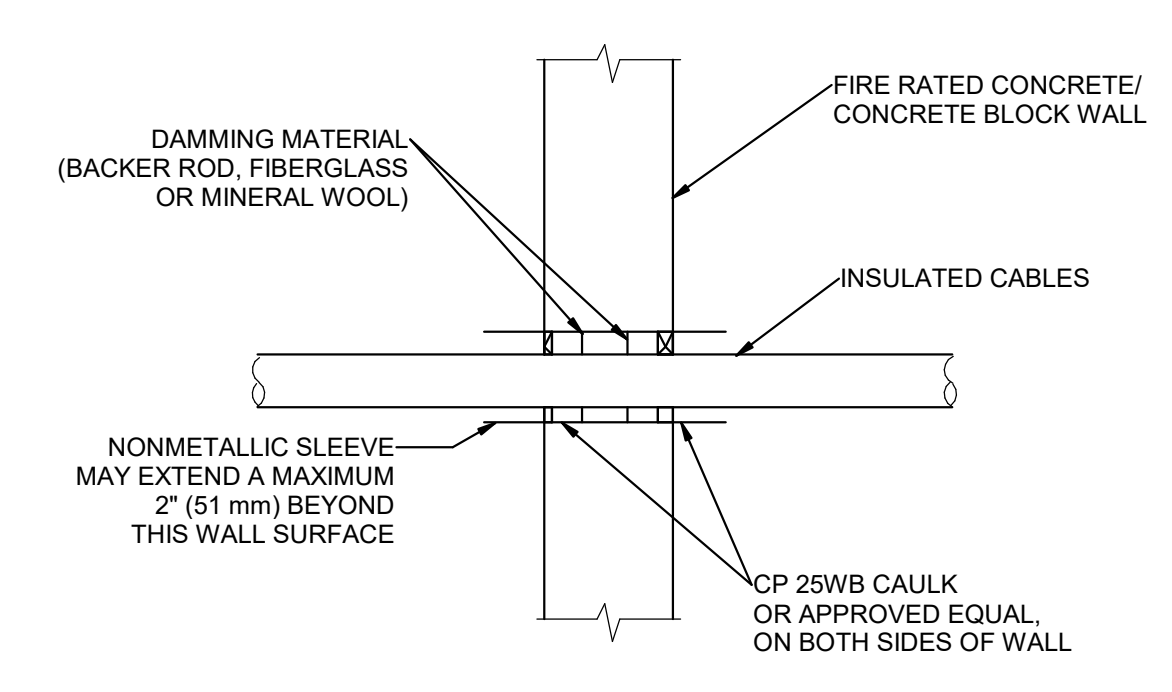
NJRA Project # 23242.00
Construction Documents Mar. 22, 2024

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SCHEDULES
AND NOTES

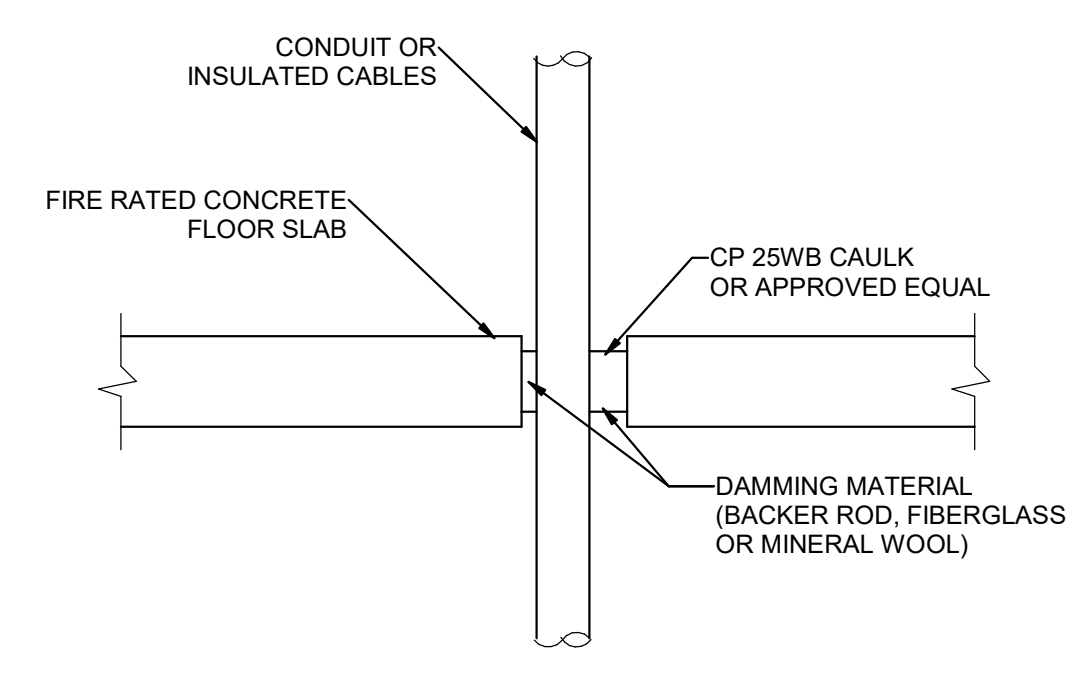
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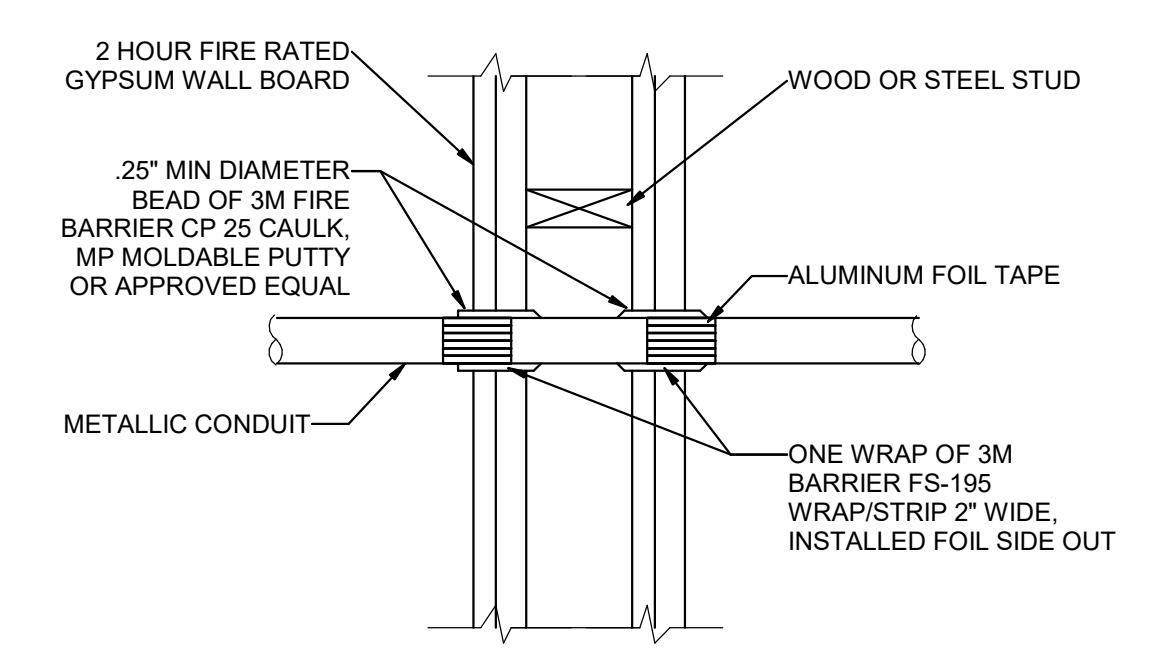
7 RECESSED FIXTURE MOUNTING DETAIL
SCALE: NTS



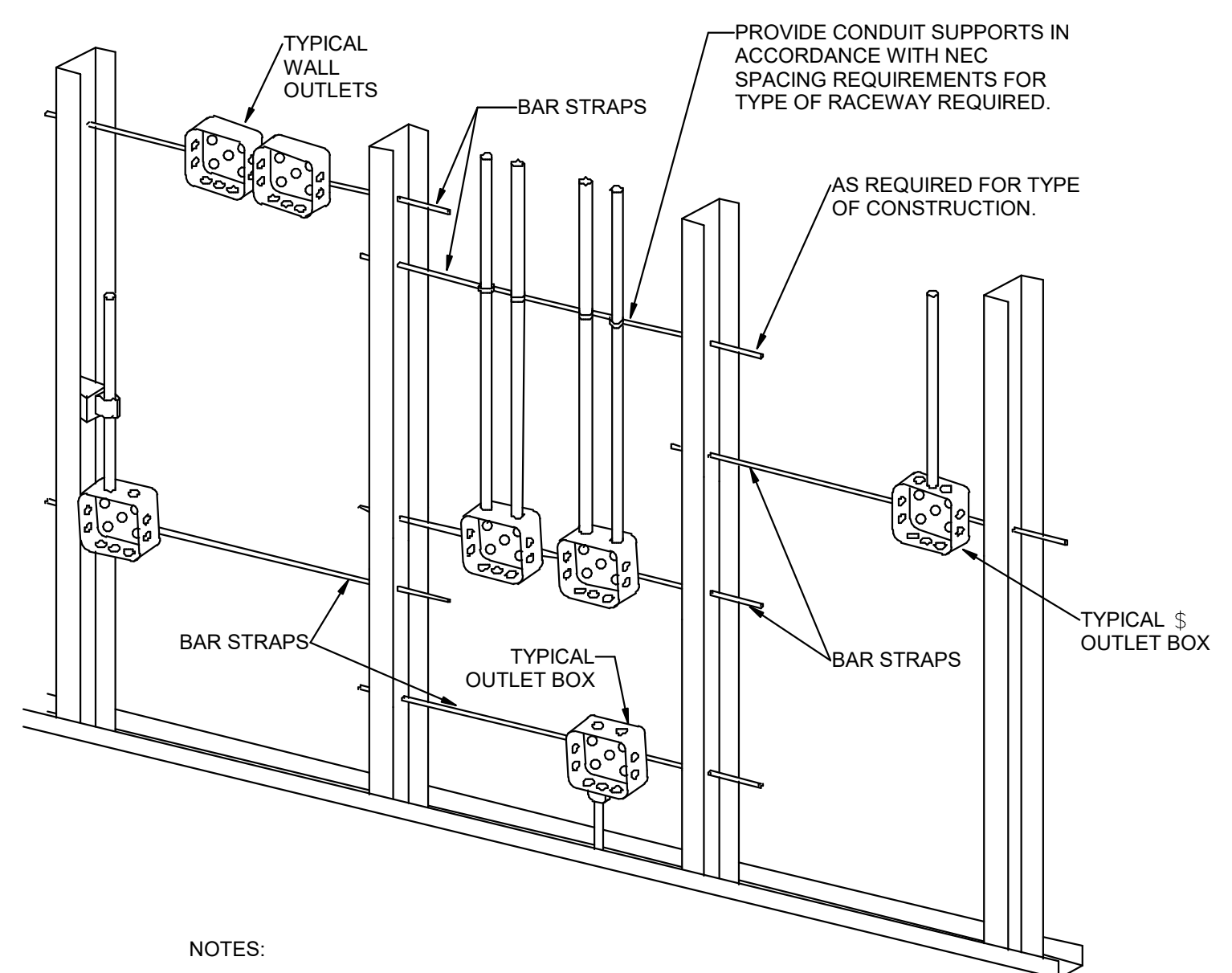
4 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS
SCALE: NTS



5 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING
SCALE: NTS

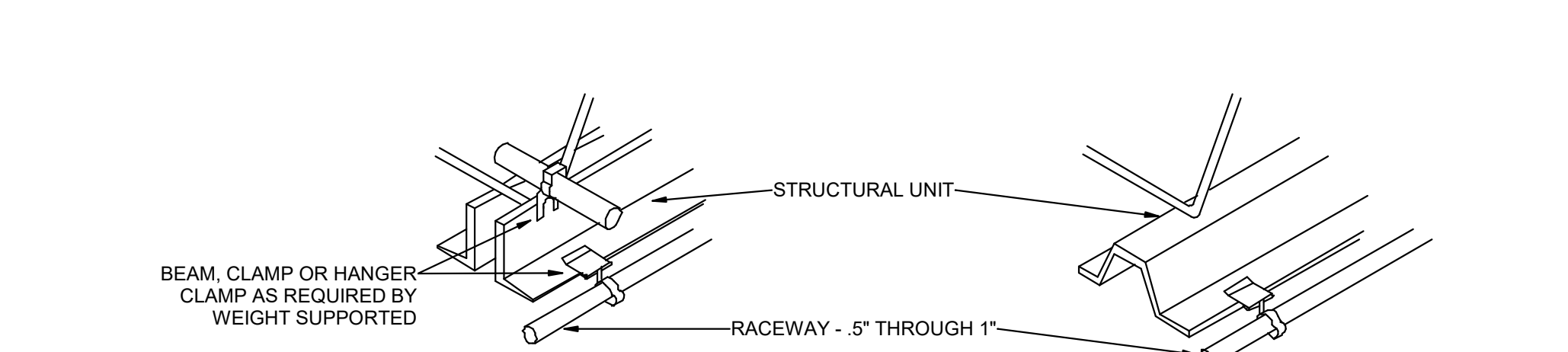
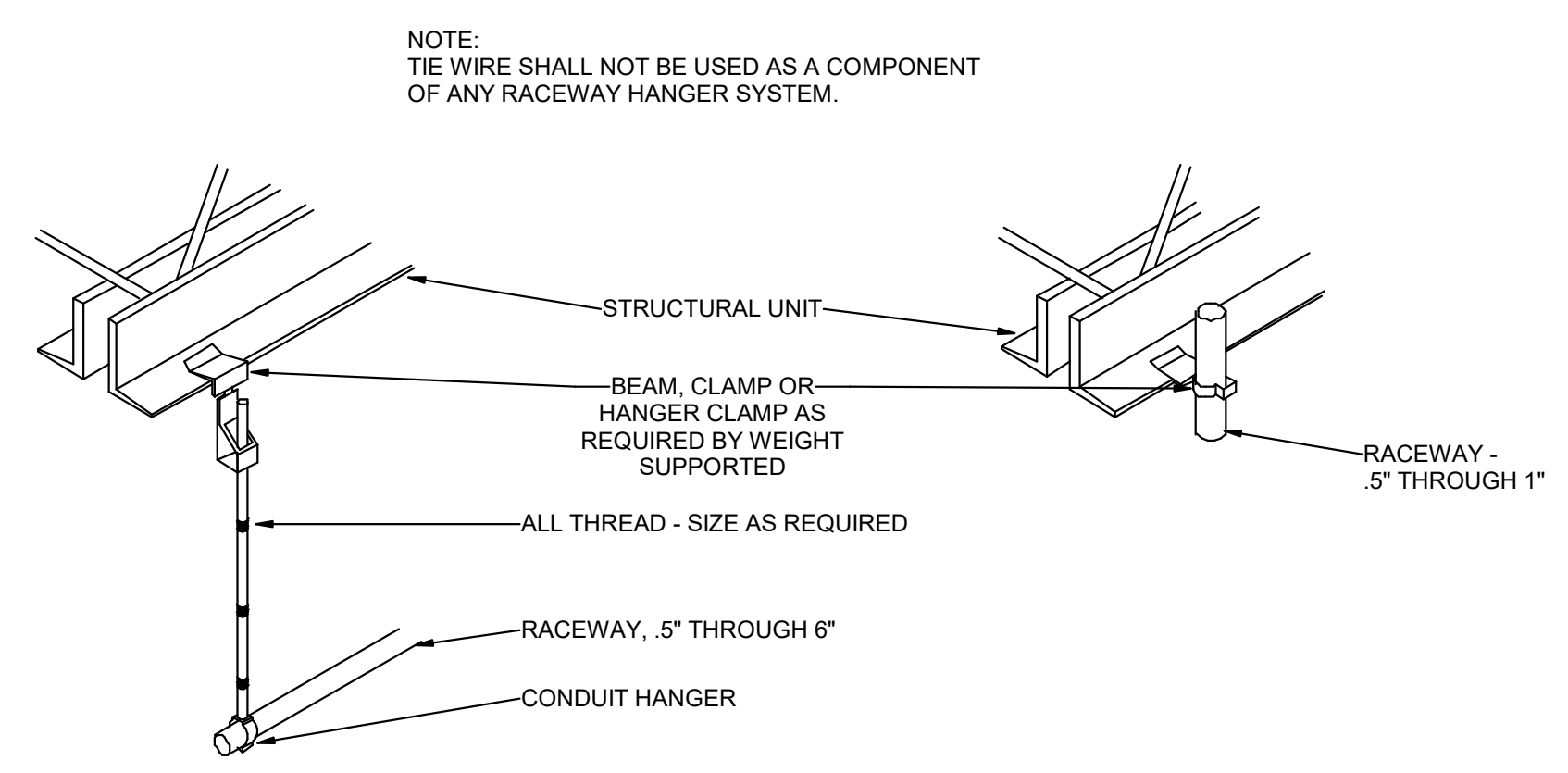


6 FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD
SCALE: NTS

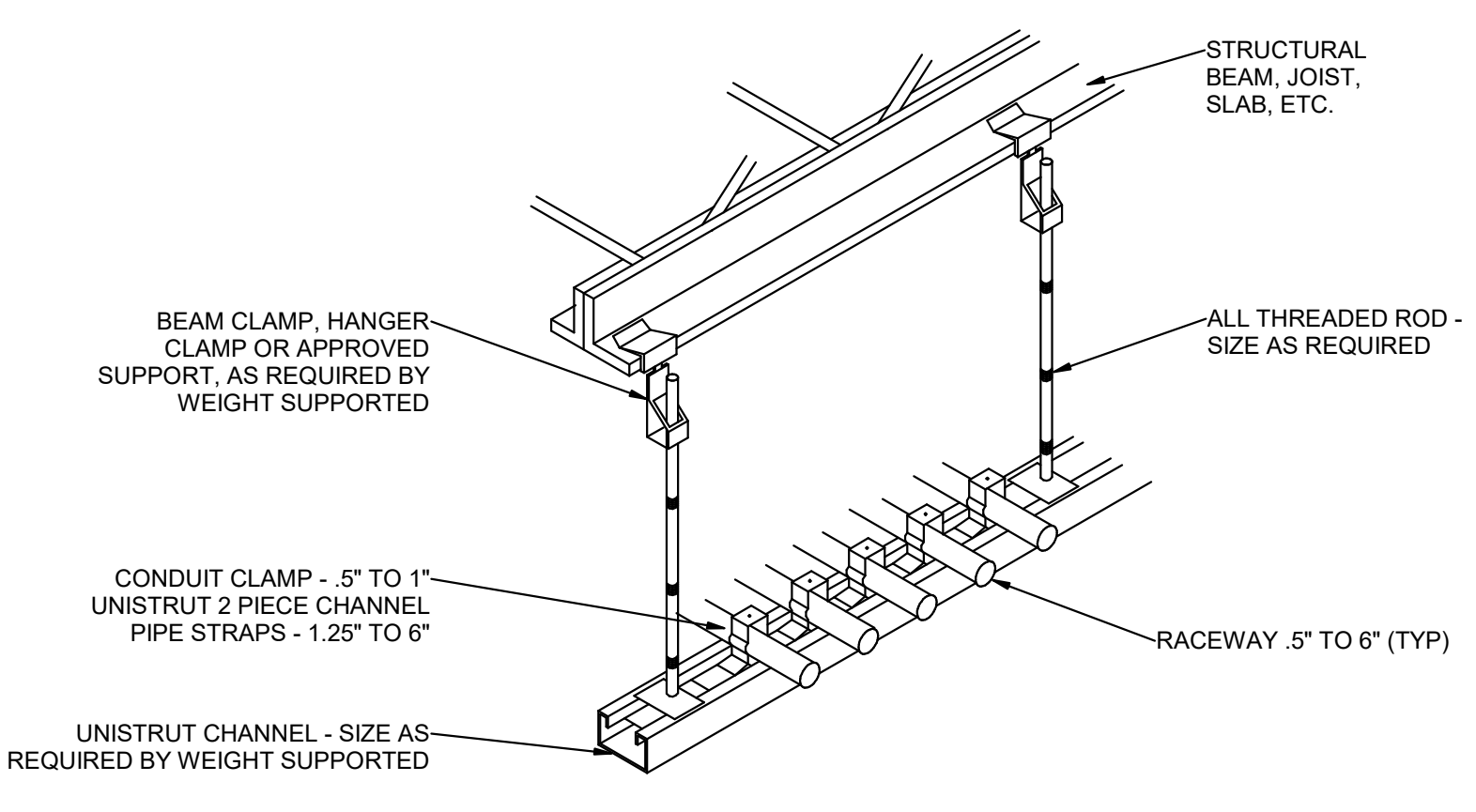


- NOTES:
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
 2. PLASTER RINGS NOT SHOWN.
 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
 4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24\"/>
 - 5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16\"/>

1 TYPICAL ROUGH-IN REQUIREMENTS DETAIL
SCALE: NTS



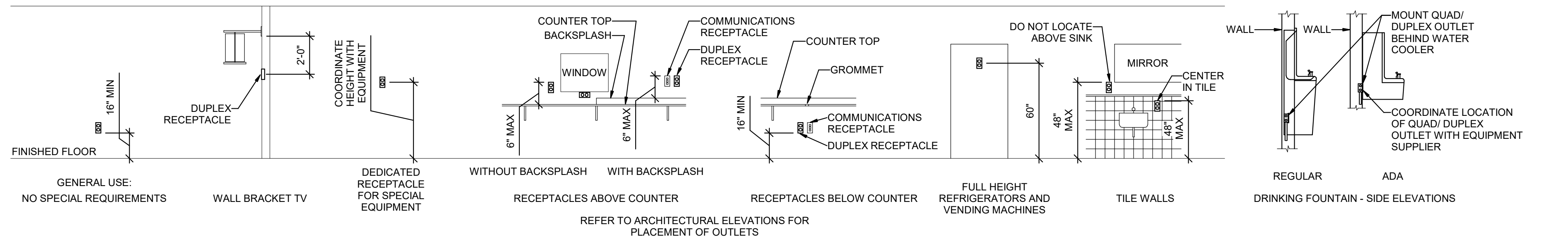
2 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS



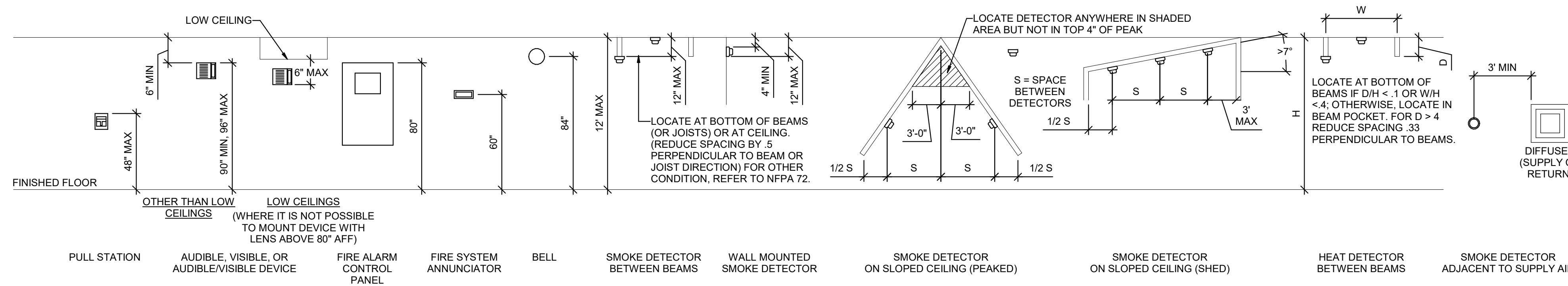
3 TYPICAL CONDUIT RACK DETAIL
SCALE: NTS

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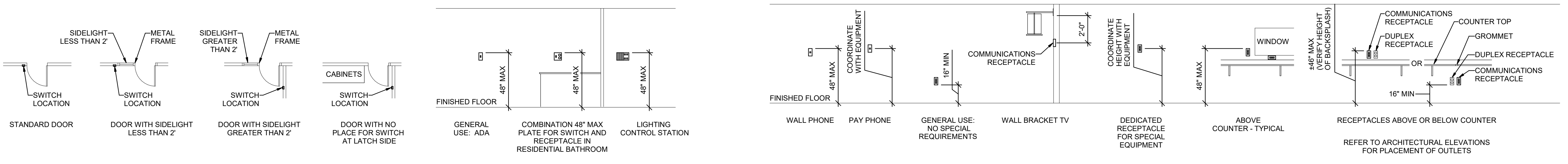
- ### GENERAL SHEET NOTES
- MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC.)
B - EQUIPMENT SHOP DRAWINGS.
C - FIELD INSTRUCTIONS.
 - LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
 - MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
 - MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
 - SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
 - LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
 - VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
 - LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
 - WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.



E2 RECEPTACLE MOUNTING DETAILS
SCALE: NTS

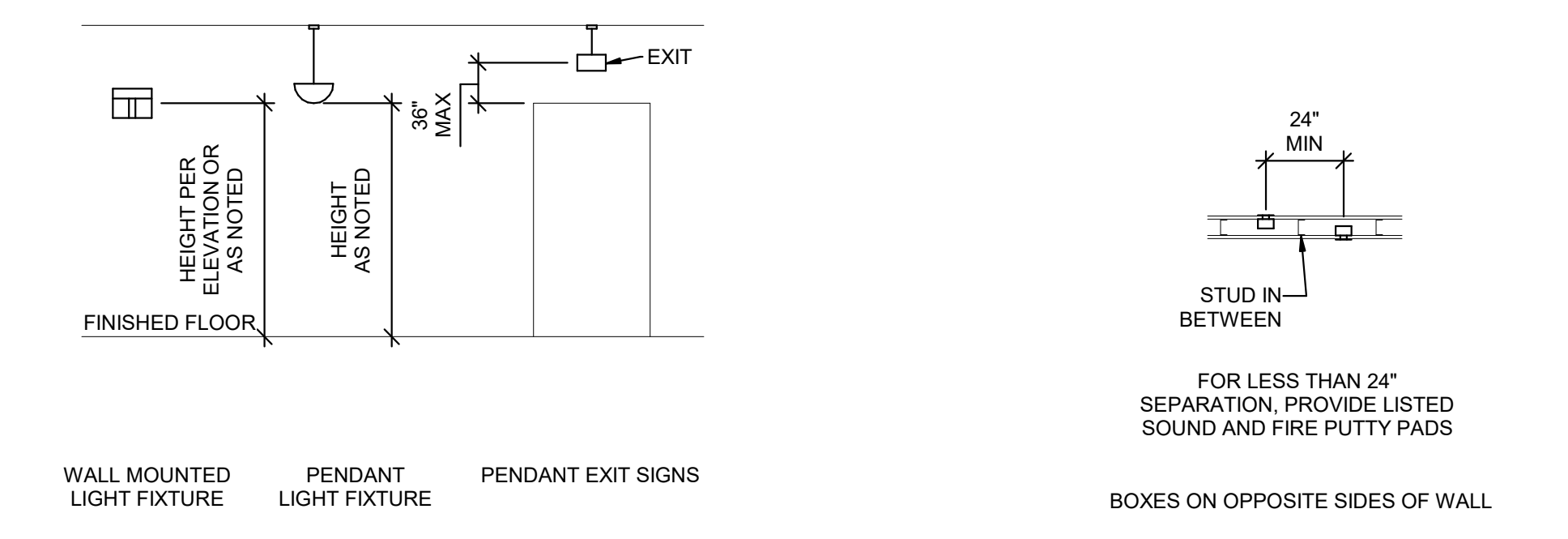


D2 FIRE ALARM MOUNTING DETAILS
SCALE: NTS



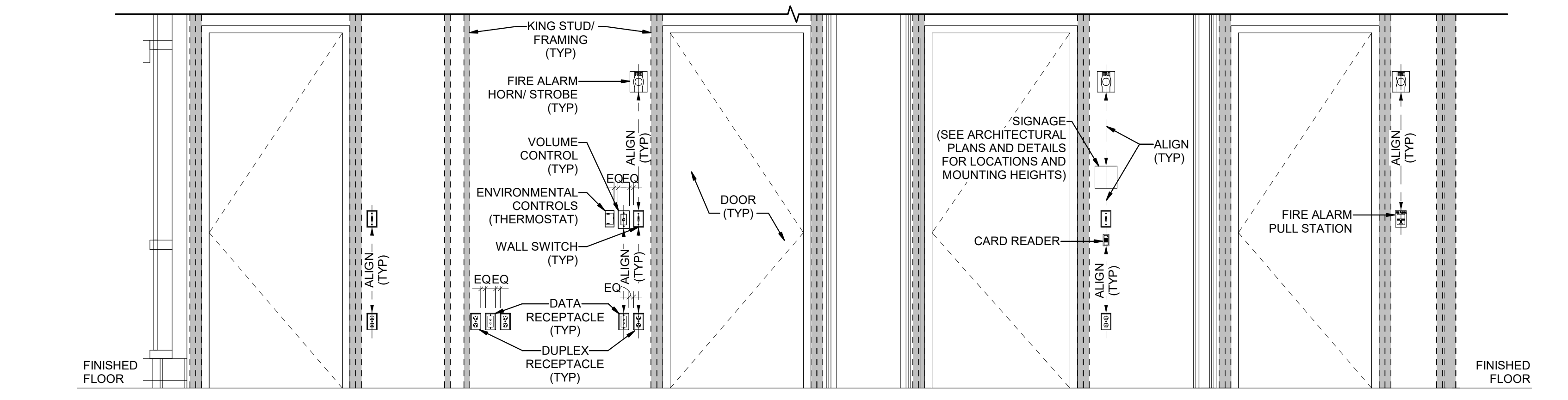
C2 SWITCH MOUNTING DETAILS
SCALE: NTS

C4 COMMUNICATIONS MOUNTING DETAILS
SCALE: NTS



B2 LIGHTING MOUNTING DETAILS
SCALE: NTS

B3 BOX MOUNTING DETAILS
SCALE: NTS



B4 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL
SCALE: NTS



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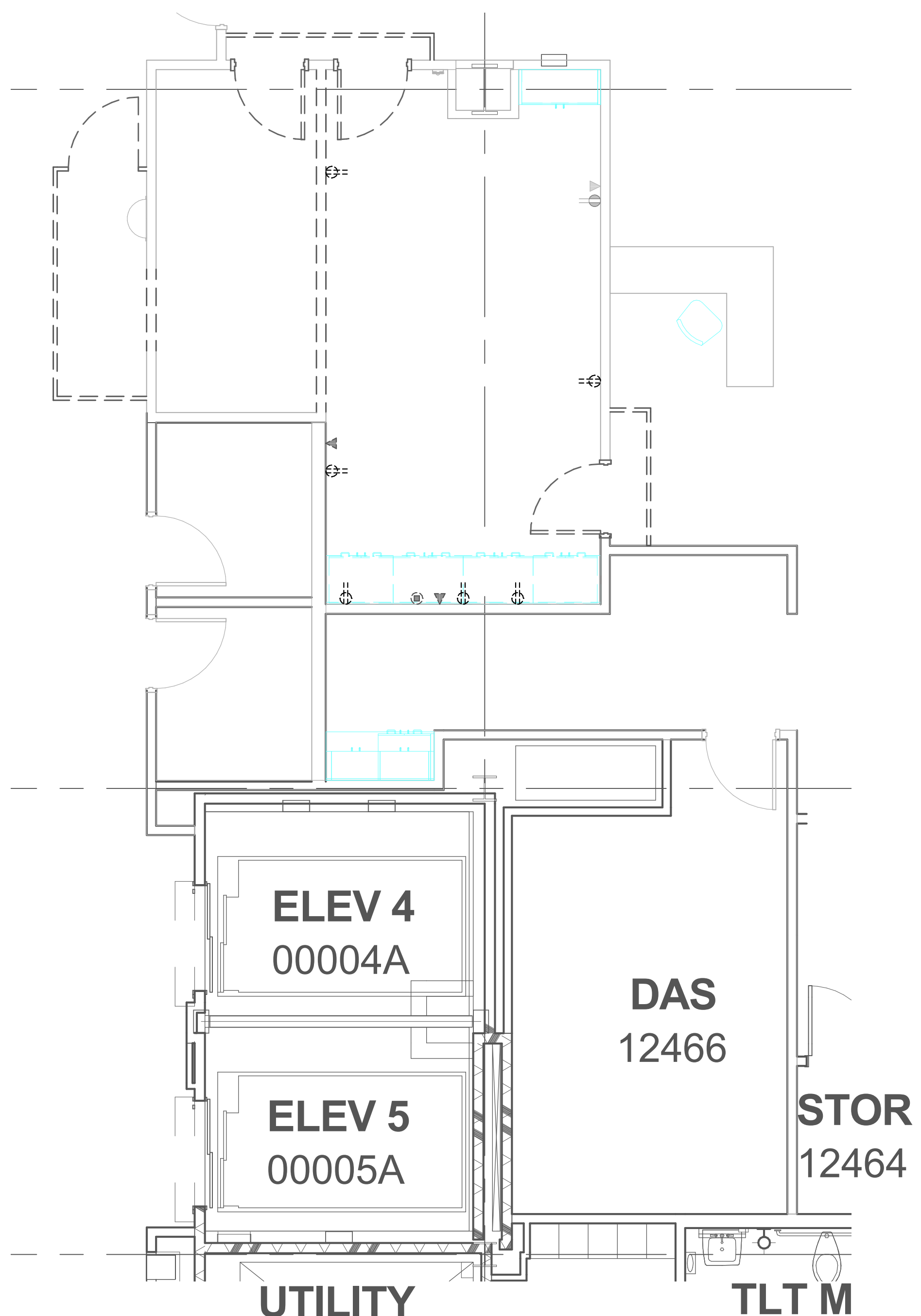


GENERAL SHEET NOTES

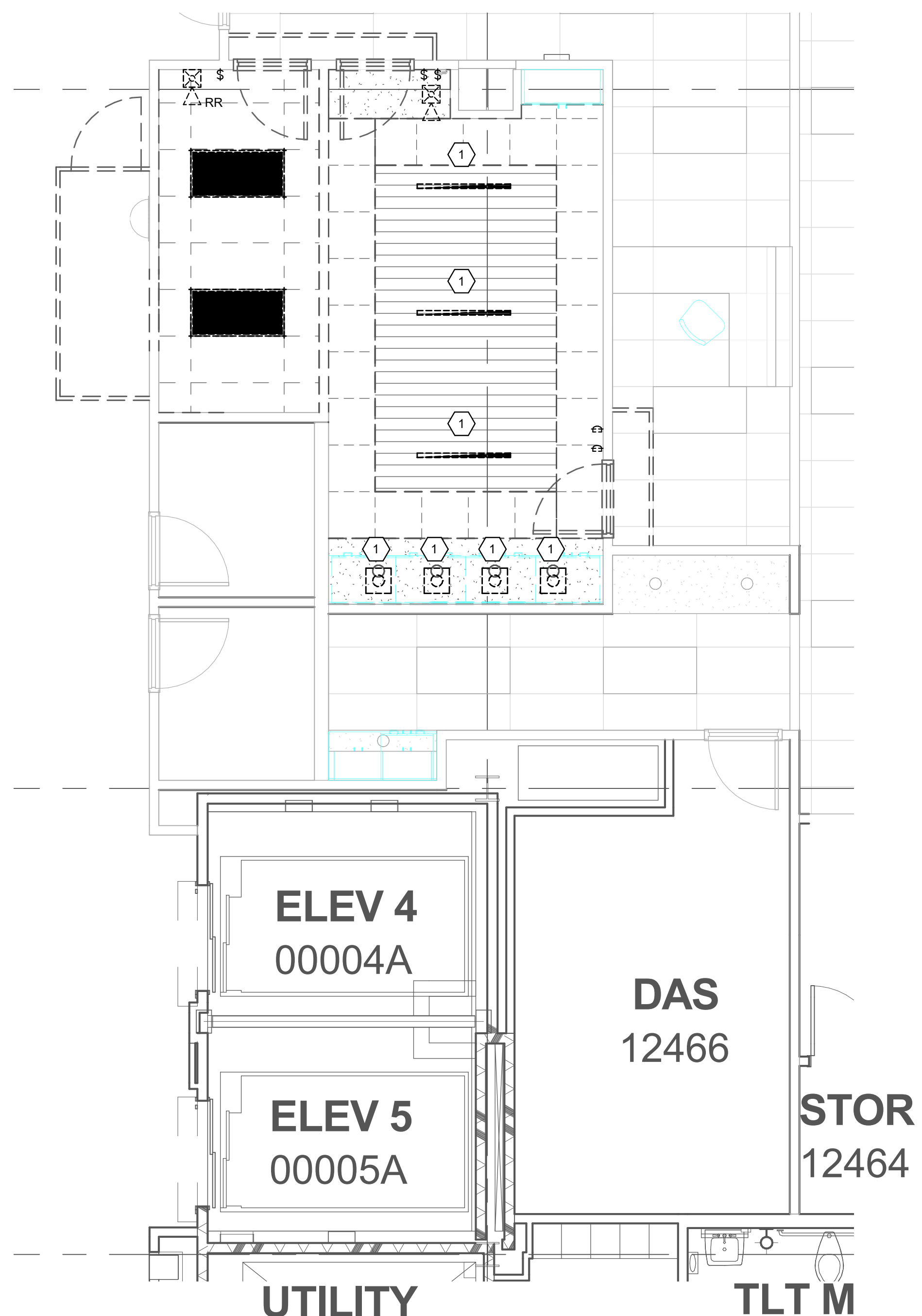
- UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE
- ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.
- ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

SHEET KEYNOTES

- LIGHT FIXTURES TO BE SALVAGED TO OWNER.



1 LEVEL 1 ELECTRICAL DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"



2 LEVEL 1 CEILING DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

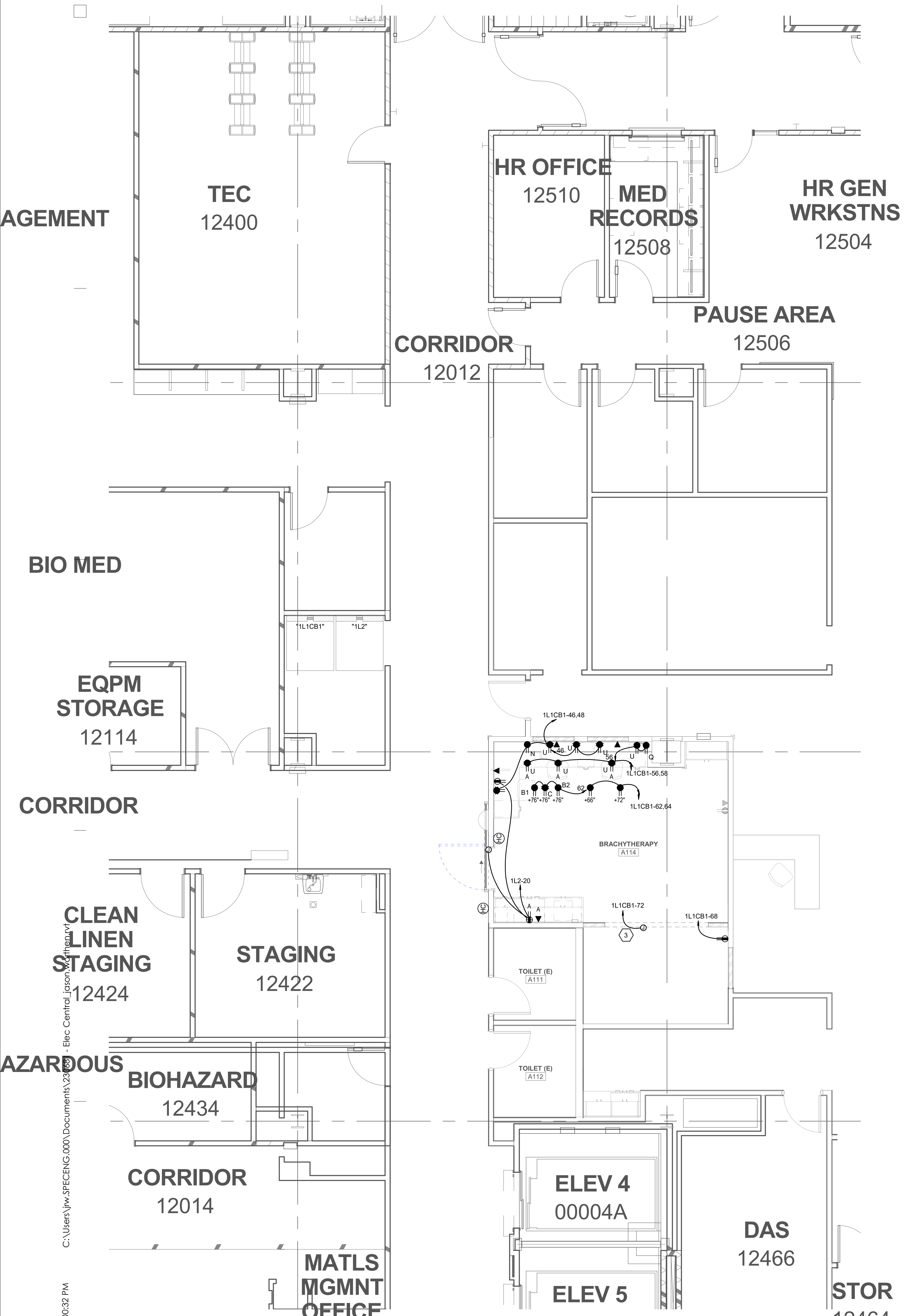
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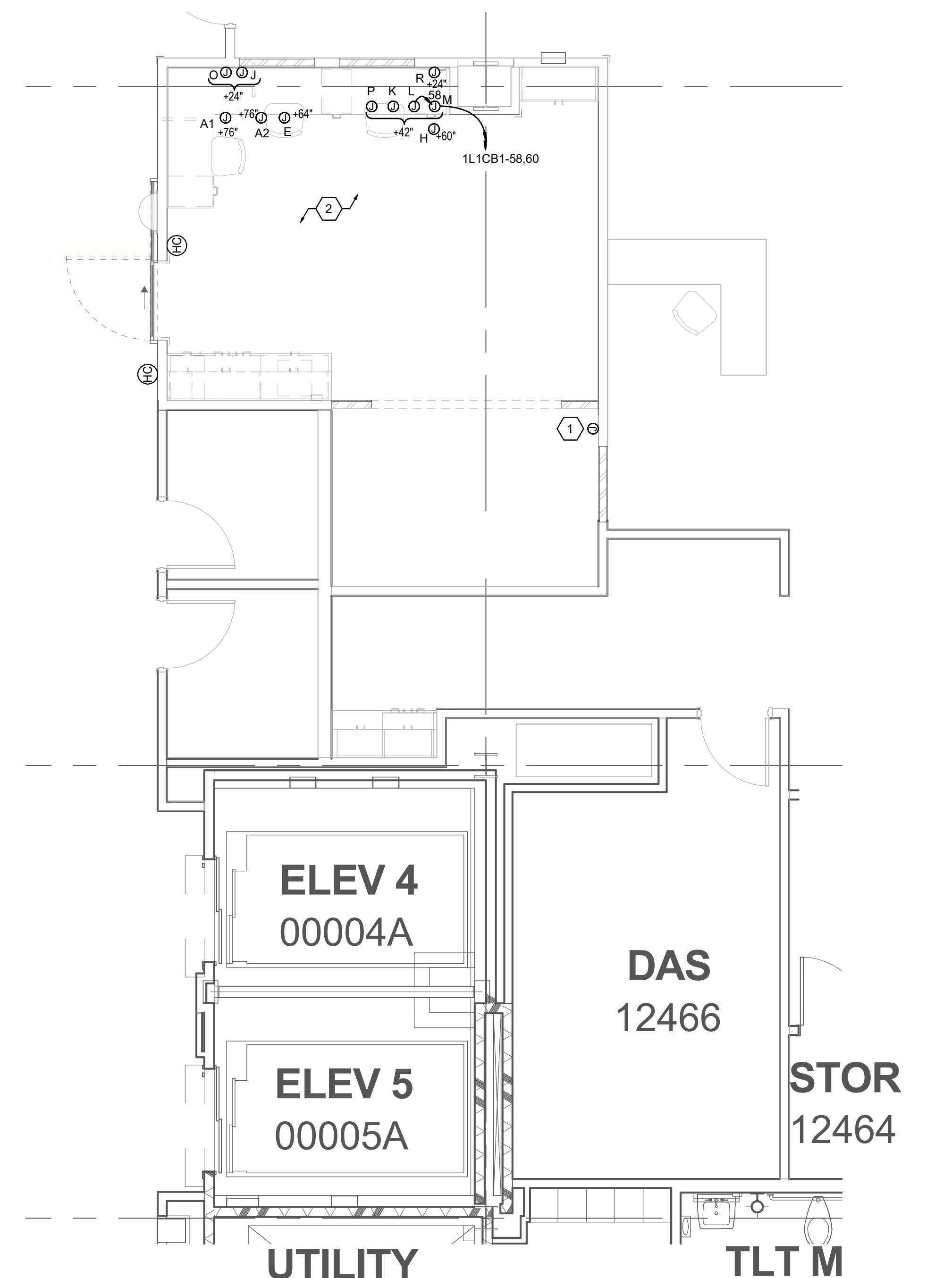
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**LEVEL 1
 ELECTRICAL
 DEMOLITION
 PLAN**
ED101



1 LEVEL 1 POWER PLAN
SCALE: 1/4" = 1'-0"



2 LEVEL 1 EQUIPMENT BACKBOX/CONDUIT PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

- 1 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
- 2 ALL RECEPTACLES LOCATED WITHIN 6" OF A SINK SHALL BE GFCI PROTECTED.
- 3 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIREMENTS OF NEC 517.13.
- 4 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY THE PROJECT.

SHEET KEYNOTES

- 1 POWER/LOW-VOLTAGE CABLING ENTRANCE INTO ENCLOSURE. IN ADDITION TO THE OTHER CONDUITS RAN TO CONTROL DESK, PROVIDE (3) 1" CONDUITS STUBBED ABOVE ACCESSIBLE CEILING FOR LOW-VOLTAGE CABLING.
- 2 REFER TO VENDOR DRAWINGS FOR BOX REQUIREMENTS. PROVIDE A 1" CONDUIT FROM EACH LOW-VOLTAGE BOX TO THE HDR ENCLOSURE.
- 3 PROVIDE 120V CIRCUIT FOR RADIATION WARNING LIGHT.

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LEVEL 1
POWER PLAN

EP101

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LIGHTING/SPACE CONTROL TYPE SCHEDULE

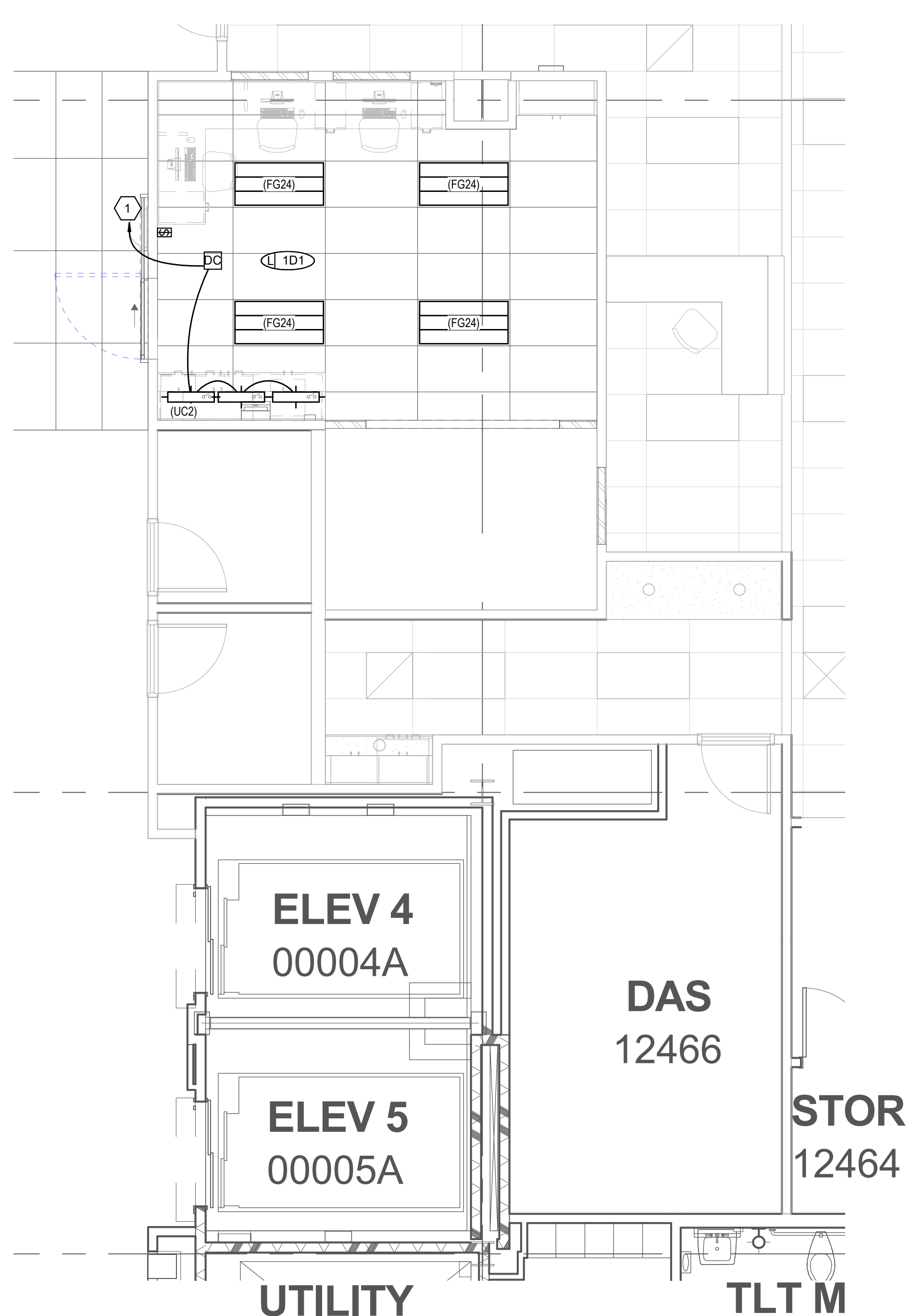
WIRING LEGEND		APPROVED MANUFACTURERS	LIGHTING CONTROL ID	GENERAL NOTES															
_____ LINE VOLTAGE WIRING - - - - - 0-10V WIRING CAT5 CABLEING _____ WIRING BY OTHERS ○---○ TWP SEGMENT NETWORK CABLEING		1. WATTSTOPPER (BASIS OF DESIGN) 2. NLIGHT 3. HUBBELL BUILDING AUTOMATION 4. GREENGATE	1. # = NUMBER OF ZONES 2. D = DIMMING, S = SWITCHING 3. P = DAYLIGHT PHOTOCELL 4. L = PLUG LOAD CONTROLLER 5. # = INSTANCE	1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER. 2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION. 3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER. 4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.															
ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	-	-	-	-	-	-	-	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID TOP-ON/RAISE, BOTTOM-OFF/LOWER

INTERIOR LIGHTING FIXTURE SCHEDULE

GENERAL NOTES

- SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
- SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
- ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
- VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
- COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
- ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
- CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE		DRIVER			MANUFACTURER (CATALOG SERIES)		
			DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE		VOLTAGE	WATTS
(FG24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	4,300		4000K		0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FP243L8354DSUNV DIM) LITHONIA (EPK) TRULY GREEN SOLUTIONS (882440-35-S-F)
(UC2)	DESCRIPTION: 2' LED UNDERCABINET LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: - DEPTH: -	600		4000K		ELV DIMMING	120/277	8	DAY-BRITE (LINC5100E-L28-835-UNV-WHG-DIM) KENALL (AUCLED-1-MW-11L35K-24-277) AIREY-THOMPSON (13HC-N-35K-24-2-3-D11) KELVIX (UC22 3040 010V 120/277 WH)



1 LEVEL 1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

- CONNECT TO EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY FED THIS SPACE.

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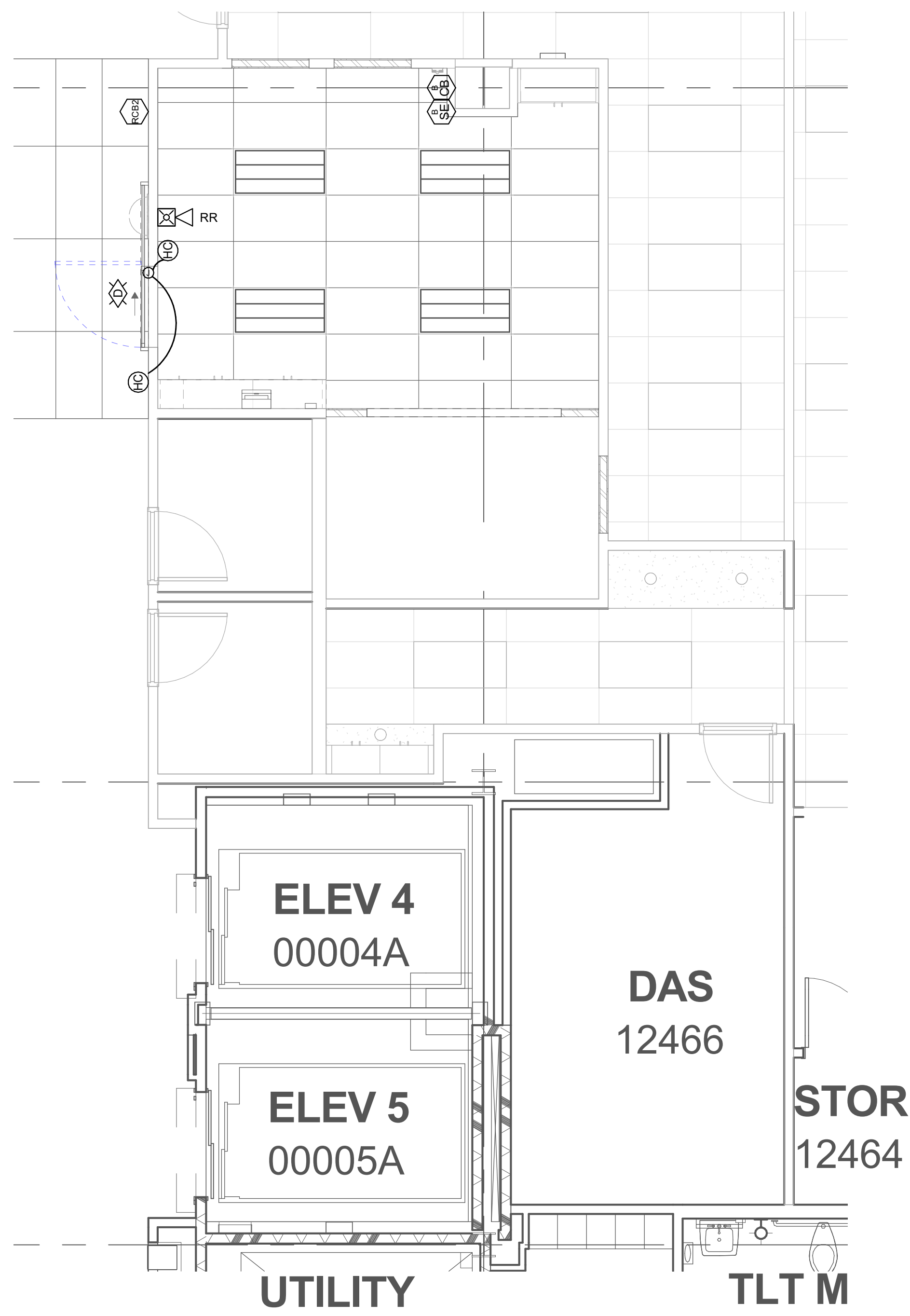
LEVEL 1
LIGHTING
PLAN

EL101

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1 LEVEL 1 AUXILIARY PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

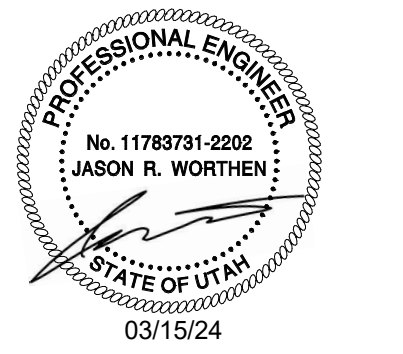
SHEET KEYNOTES



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LEVEL 1
AUXILIARY
PLAN

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