

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

<p>SHEET NUMBERING SYSTEM</p> <p>A100A</p> <ul style="list-style-type: none"> PROJECT AREA SHEET NUMBER SEQUENCE SHEET TYPE DISCIPLINE 	<p>ROOM TAG</p> <p>ROOM NAME: OFFICE-4, 155 SF, A324 (O.L. 999)</p> <p>ROOM COUNT DESIGNATION: 155 SF</p> <p>DENOTES OCCUPANT LOAD IN CODE COMPLIANCE PLANS.</p> <p>DENOTES ROOM AREA OF 155 SQUARE FEET</p> <p>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.</p>	<p>DOOR TAG</p> <p>DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>THE FIRST LETTER "A" AND THE FOLLOWING THREE DIGITS "124" DENOTES ROOM NUMBER</p> <p>SUFFIX "C" DENOTES SEQUENCE OF DOOR ACCESSING THE ROOM.</p> <p>A124C</p>
<p>GRID TAG</p> <p>GRID REFERENCE LETTER - A, B, C, ETC. (USED FOR HORIZONTAL GRID SEQUENCE, TYPICALLY FROM LEFT TO RIGHT)</p> <p>GRID REFERENCE NUMBER - 1, 2, 3, ETC. (USED FOR VERTICAL GRID SEQUENCE, TYPICALLY FROM TOP TO BOTTOM)</p> <p>A B</p> <p>1 2</p> <p>GRID LINE</p>	<p>DATUM POINT TAG</p> <p>+</p>	<p>WINDOW TAG</p> <p>WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>A</p>
<p>NORTH ARROW</p> <p>NORTH</p> <p></p>	<p>CEILING HEIGHT TAG</p> <p>B.O.C. BOTTOM OF CEILING</p> <p>B.O.H. BOTTOM OF HEADER</p> <p>HEIGHT ABOVE FINISH FLOOR</p> <p>B.O.C. 9'-0"</p>	<p>FLOOR FINISH TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR FLOOR COVERING AND FINISHES REQUIRED.</p> <p>F2</p>
<p>BUILDING SECTIONS</p> <p>SECTION TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS</p> <p>1 BUILDING SECTION</p> <p>2 SHEET WHERE DRAWN</p> <p>A101</p>	<p>SPOT ELEVATION</p> <p>DENOTES BUILDING REFERENCE ELEVATION</p> <p>T.O.W. TOP OF WALL</p> <p>T.O.C. TOP OF CURB</p> <p>D.B.E. DECK BEARING ELEVATION</p> <p>F.F.E. FINISH FLOOR ELEVATION</p> <p>B.O.V. BOTTOM OF VENEER</p> <p>T.O.S. TOP OF SIDEWALK</p> <p>T.O.C. TOP OF CURB</p> <p>T.O.W. 100'-0"</p>	<p>WALL BASE TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL BASE TYPE.</p> <p>W1</p>
<p>WALL SECTIONS</p> <p>SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>1 WALL SECTION</p> <p>2 SHEET WHERE DRAWN</p> <p>A101</p>	<p>VERTICAL ELEVATION</p> <p>DENOTES FLOOR LEVEL</p> <p>DENOTES BUILDING REFERENCE ELEVATION</p> <p>LEVEL 100'-0"</p>	<p>WALL FINISH TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL FINISHES REQUIRED.</p> <p>W3</p>
<p>DETAIL TAGS</p> <p>DETAIL NUMBER</p> <p>A506</p> <p>SHEET WHERE DRAWN</p>	<p>FLOOR PLAN MATCHLINE</p> <p>DETAIL LOCATION NUMBER</p> <p>SHEET WHERE DRAWN</p> <p>3 / A101</p> <p>MATCHLINE</p>	<p>CEILING FINISH TAG</p> <p>TAGS ARE INDICATED ON REFLECTED CEILING PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR CEILING FINISHES REQUIRED.</p> <p>C3</p>
<p>DETAIL TAGS</p> <p>DETAIL NUMBER</p> <p>A506</p> <p>SHEET WHERE DRAWN</p>	<p>REVISION TAG</p> <p>CLOUD INDICATES DRAWING REVISION AREA</p> <p>REVISION NUMBER</p> <p>1</p>	<p>OTHER FINISH TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN & INTERIOR ELEVATIONS. SEE FINISH SCHEDULE, SHEET A603A. FOR FINISHES REQUIRED.</p> <p>(MS)(MM)(WP)(FL)(WC)(AC)</p>
<p>EXTERIOR ELEVATION TAGS</p> <p>TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN</p> <p>EXTERIOR ELEVATION NUMBER</p> <p>2</p> <p>SHEET WHERE DRAWN</p> <p>A202</p>	<p>KEYED NOTES - PROJECT SPECIFIC</p> <p>KEYED NOTES THAT ARE PROJECT SPECIFIC AS INDICATED ON PLANS, SECTIONS AND ELEVATIONS</p> <p>DIVISION #</p> <p>DIVISION NOTE</p> <p>(0020)</p>	<p>CABINET TAG</p> <p>CABINET TYPES ARE INDICATED ON INTERIOR ELEVATIONS & CABINET LEGEND, SHEET A505A.</p> <p>W14</p>
<p>INTERIOR ELEVATION TAGS</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLANS</p> <p>INTERIOR ELEVATION NUMBER</p> <p>1</p> <p>SHEET WHERE DRAWN</p> <p>A232</p>	<p>KEYED NOTES - GENERIC</p> <p>KEYED NOTES THAT ARE NOT PROJECT SPECIFIC AS INDICATED ON GENERIC, TYPICAL DETAILS.</p> <p>(32)</p>	<p>SIGN TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE SIGN TYPE DETAIL 1/A506A</p> <p>(S2)</p>
	<p>WALL TAG</p> <p>WALL TAGS ARE INDICATED ON DIMENSION FLOOR PLANS. WALL TYPES ARE INDICATED IN SHEET A501A.</p> <p>A1</p>	

DOORS AND DOORWAYS

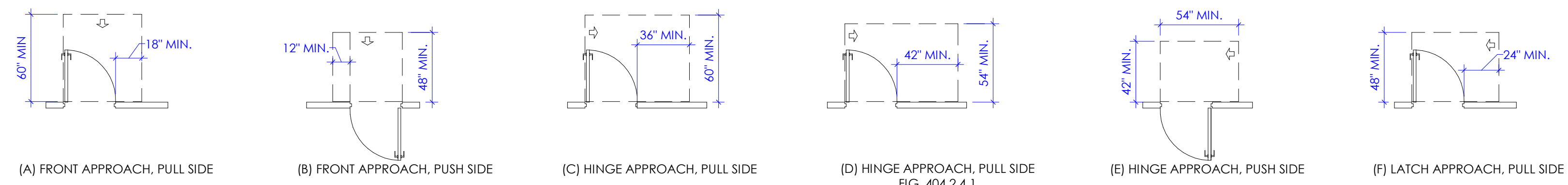
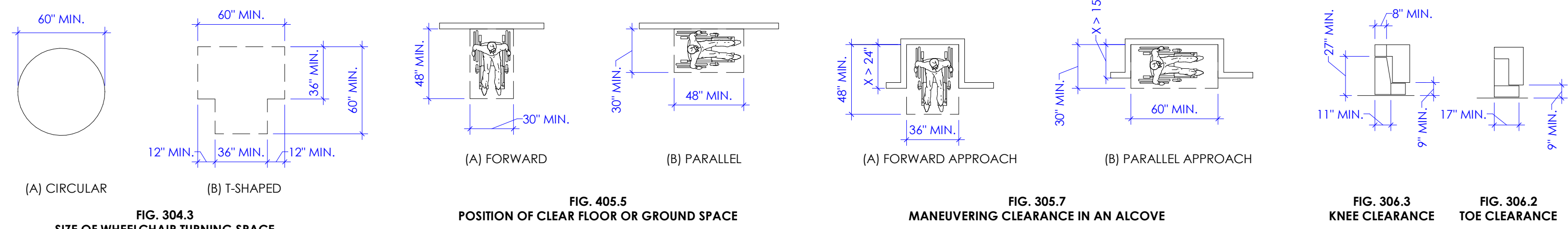


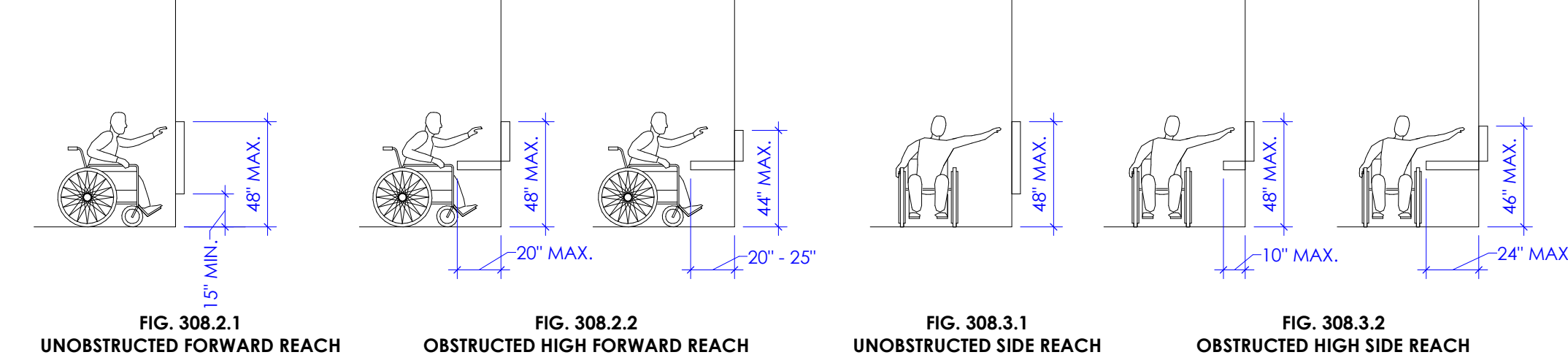
FIG. 404.2.4 TWO DOORS IN A SERIES

FIG. 404.2.2 MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

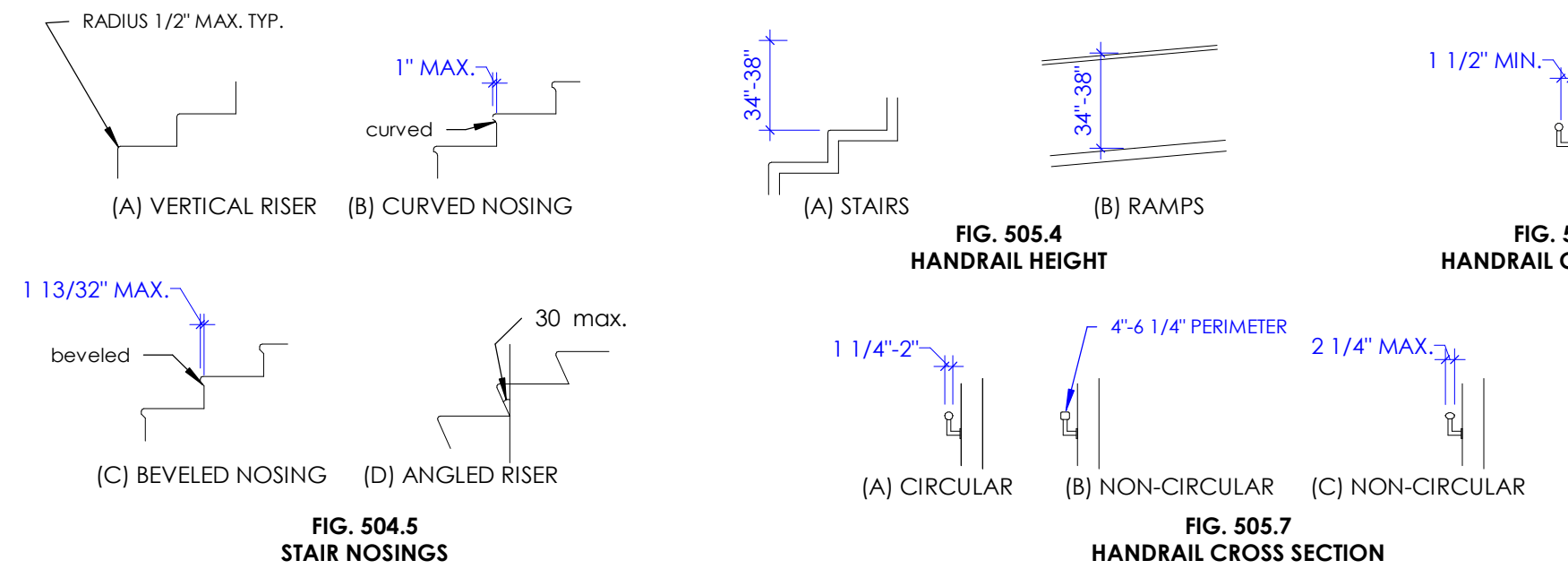
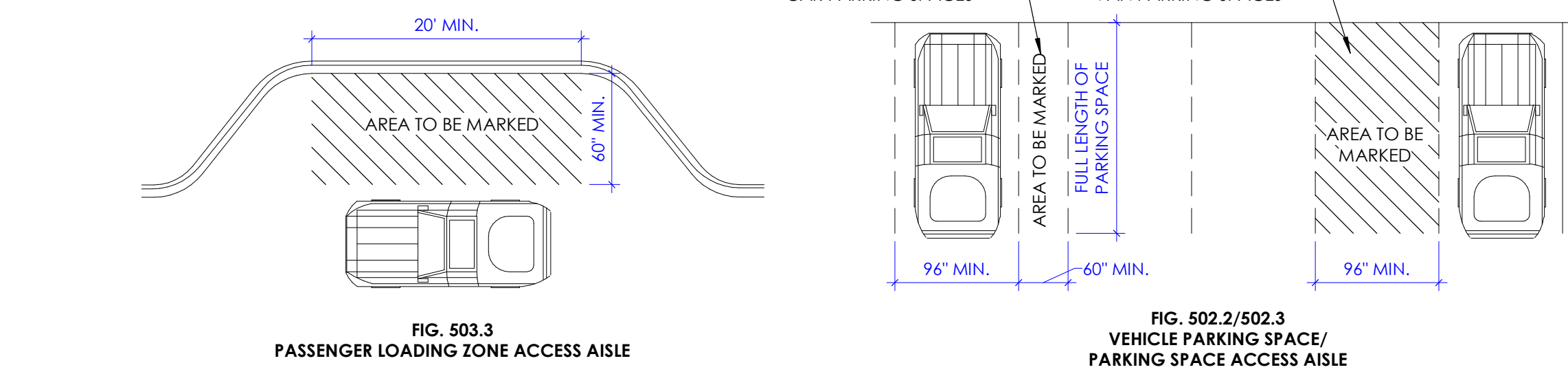
CLEAR FLOOR SPACE



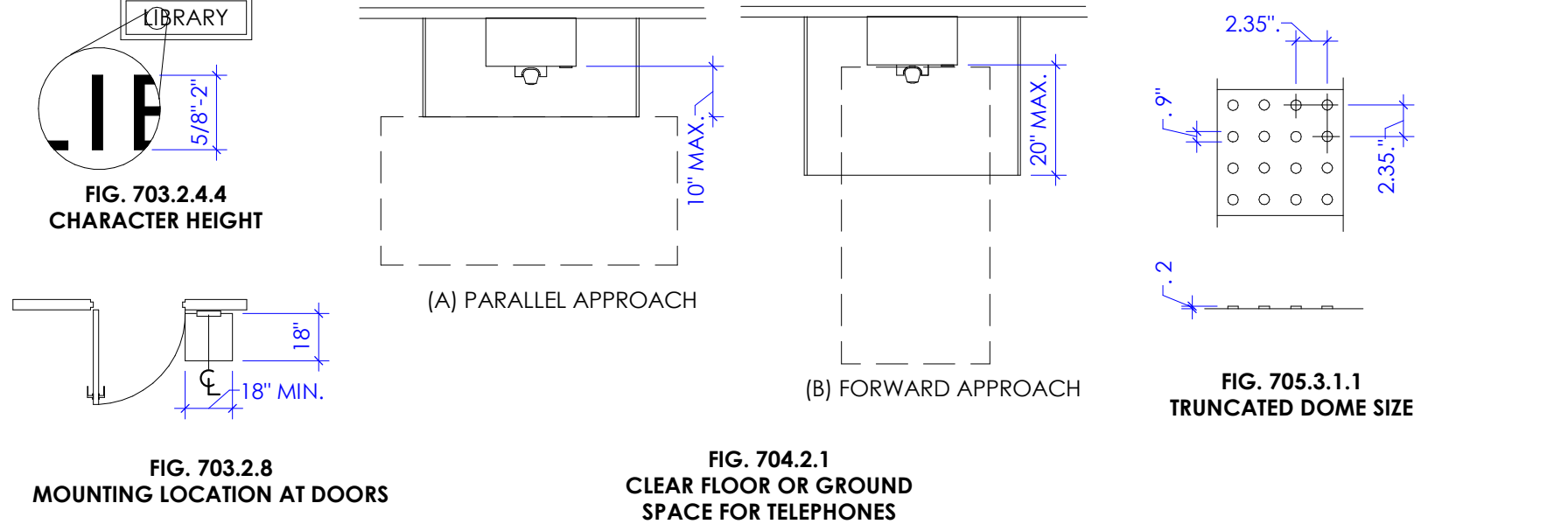
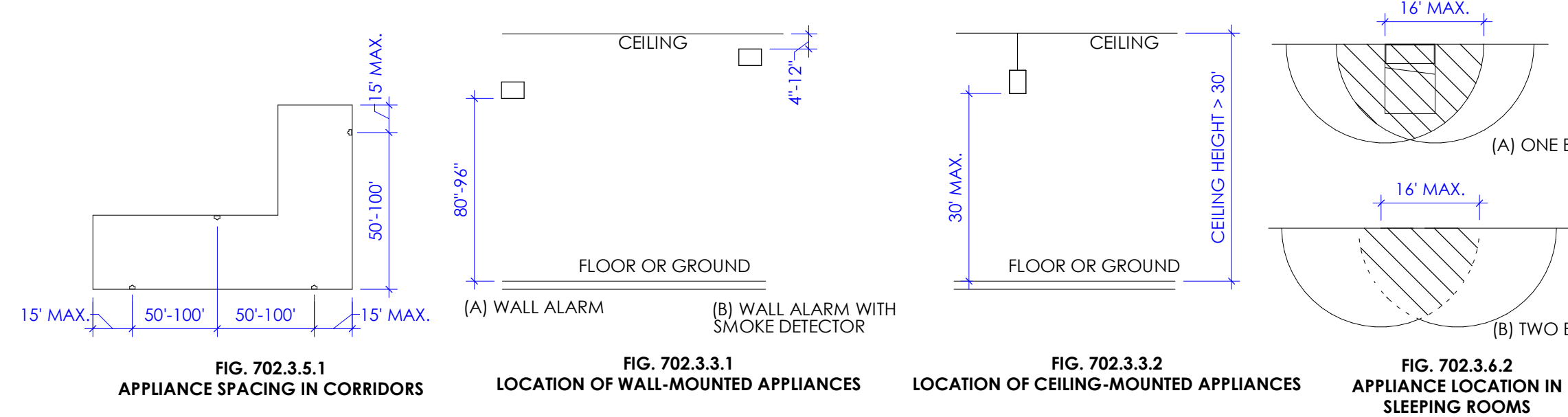
REACH RANGES



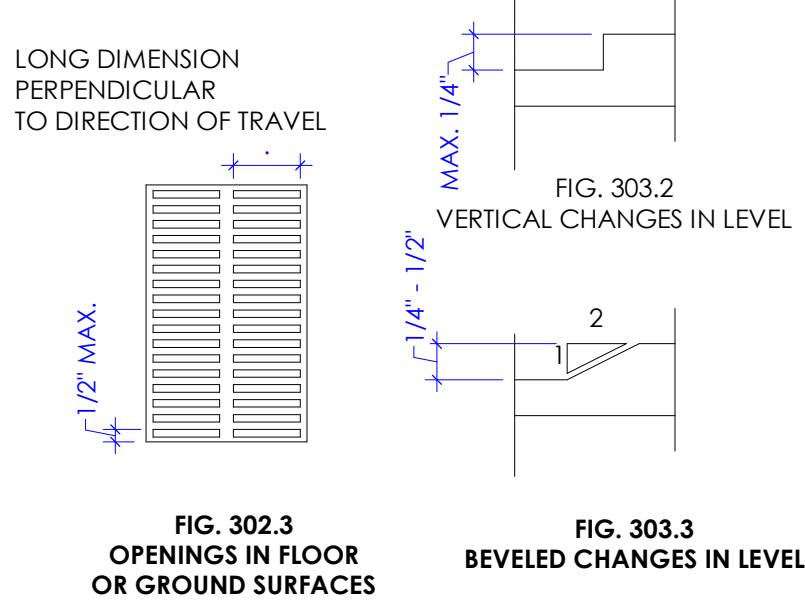
GENERAL SITE AND BUILDING ELEMENTS



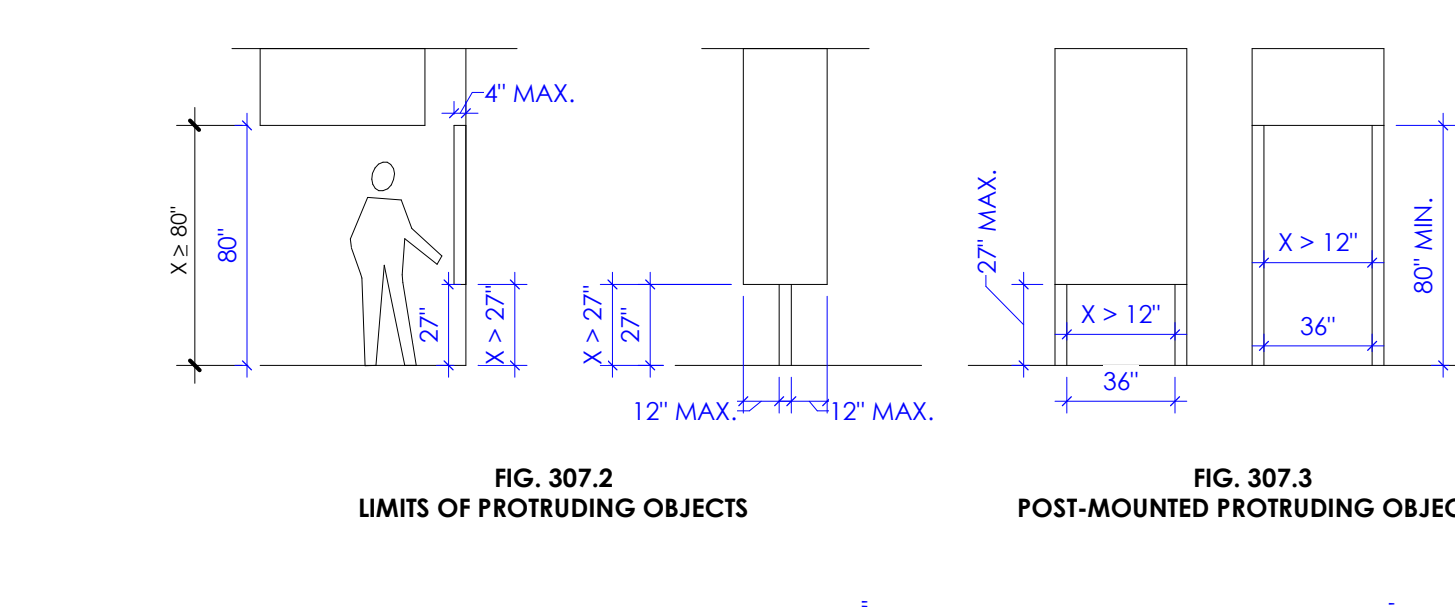
COMMUNICATION ELEMENTS AND FEATURES



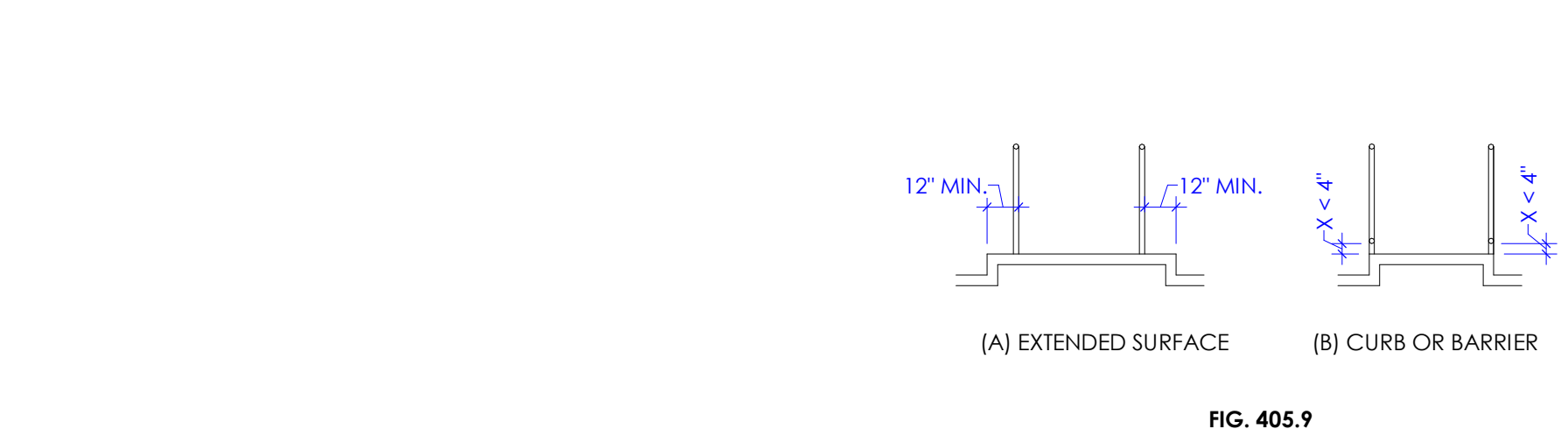
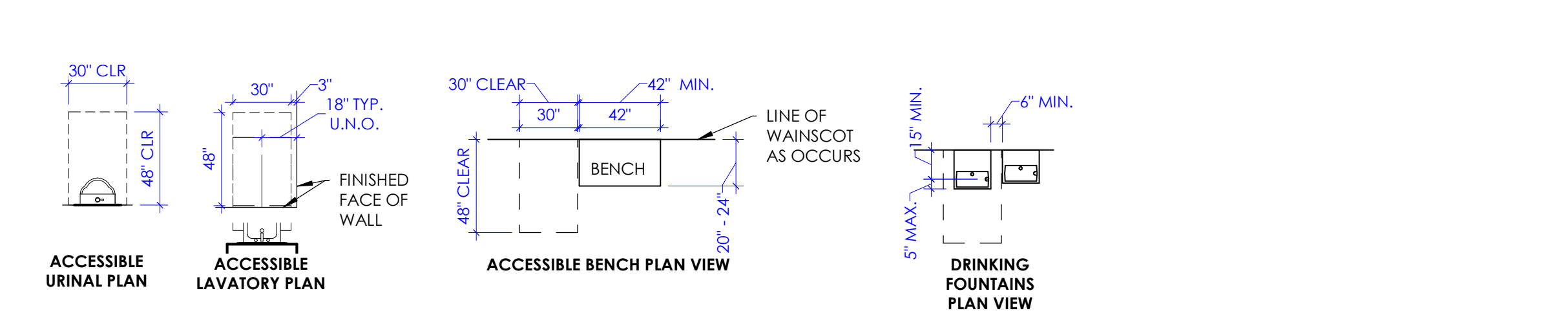
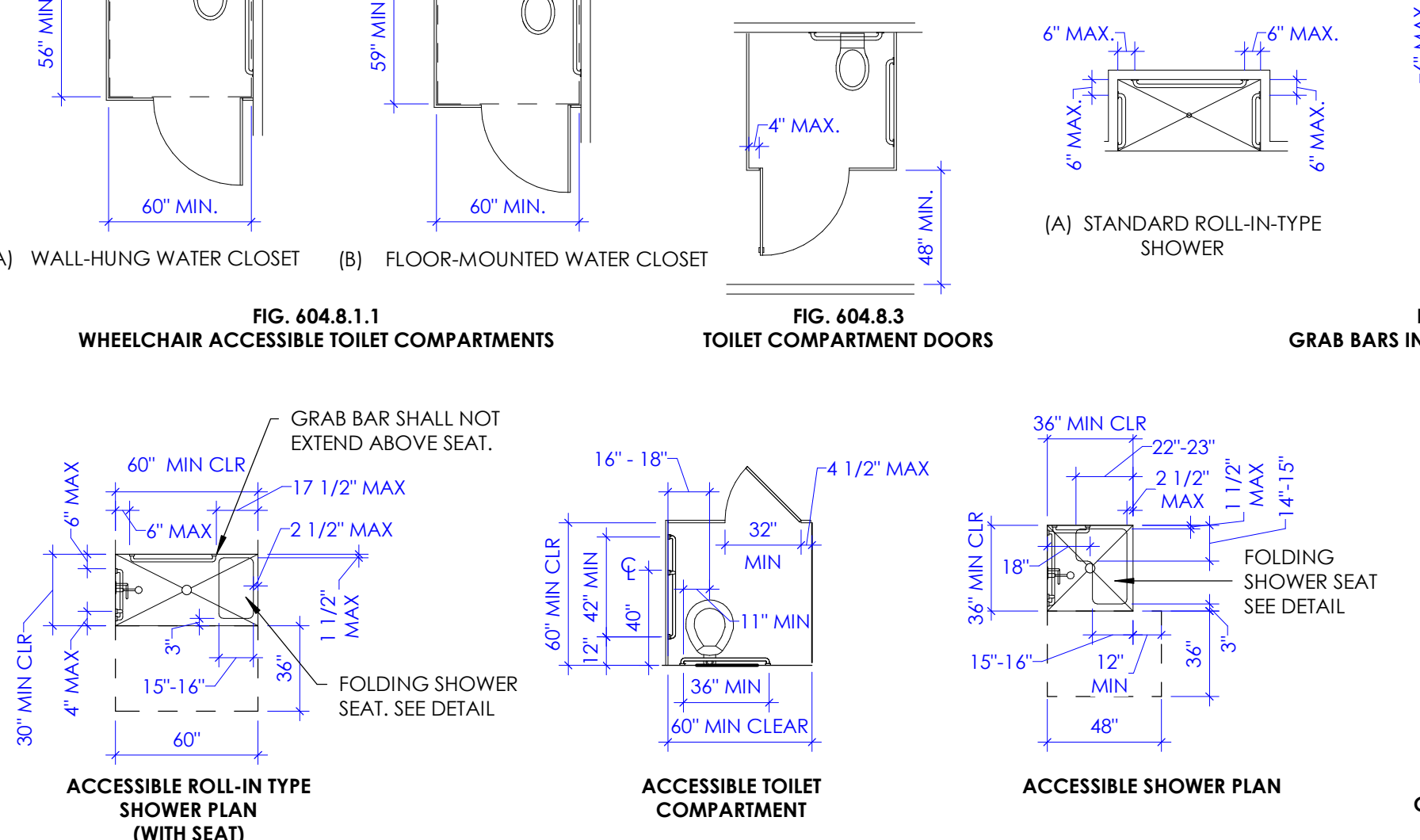
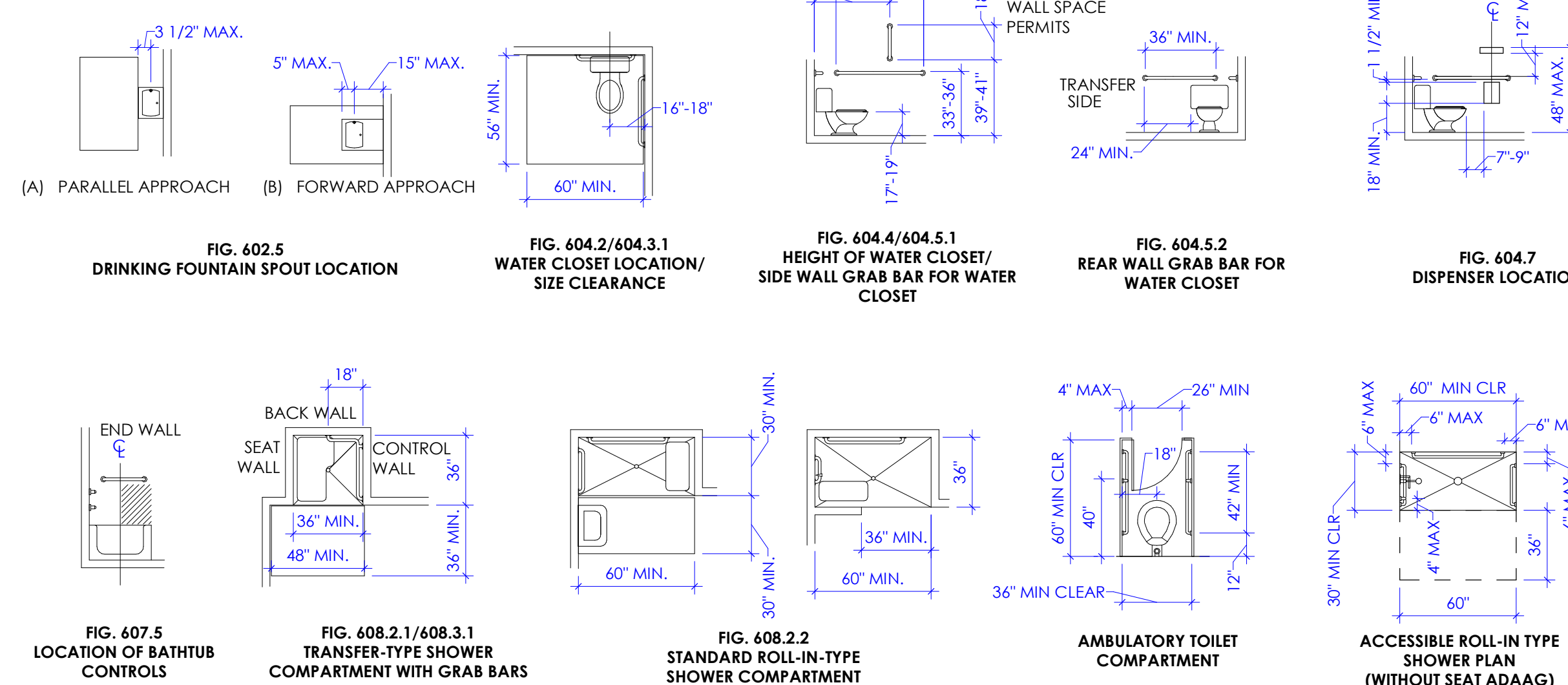
BUILDING BLOCKS



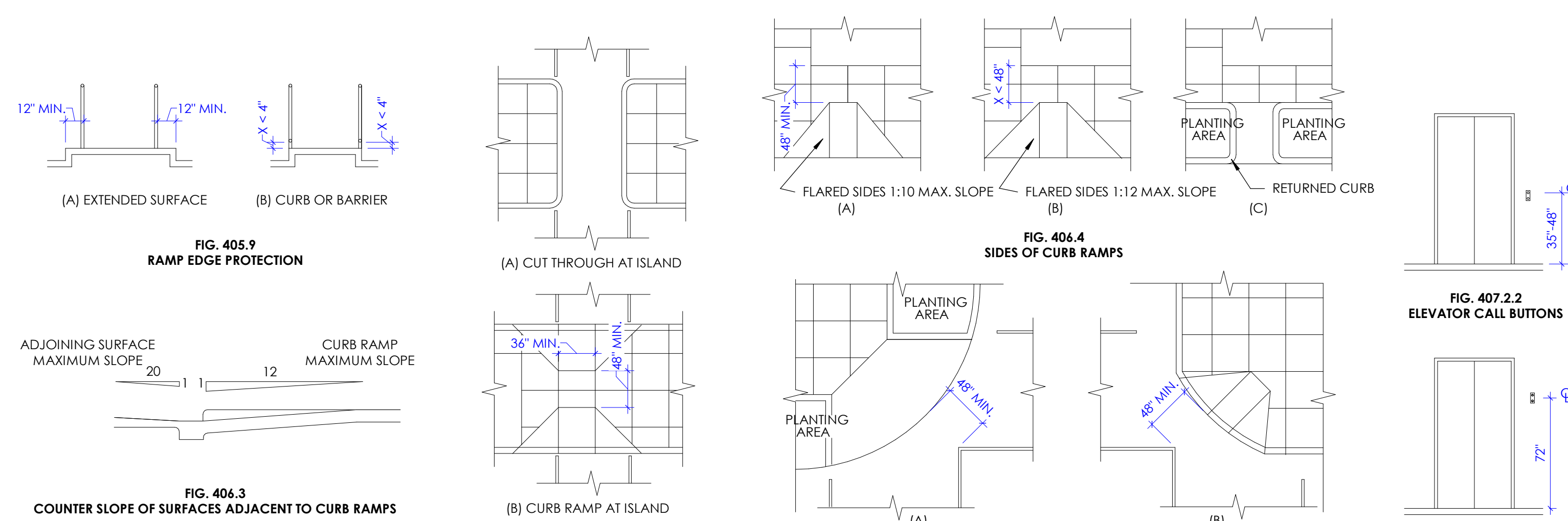
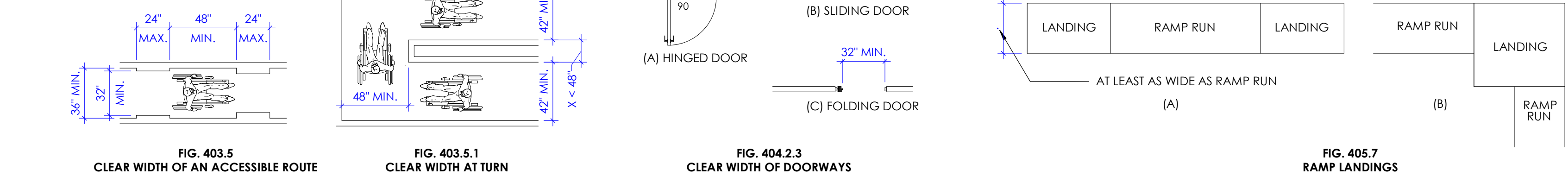
PROTRUDING OBJECTS

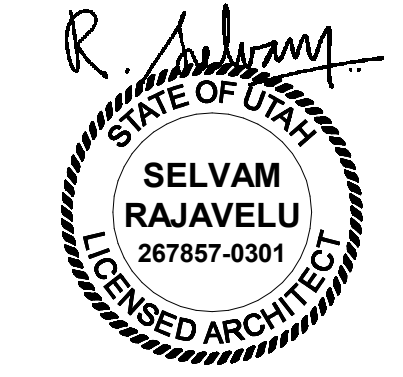


PLUMBING ELEMENTS AND FACILITIES



ACCESSIBLE ROUTES





LEGEND - SITE PLAN

SITE COMPONENTS (FENCES, HYDRANTS, SIDEWALKS, 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 1/32" = 1'-0" SCALE.

- BOLLARD
- FENCE LINE (ORNAMENTAL)
- FENCE LINE (CHAIN LINK)
- PROPERTY LINE
- FIRE HYDRANT
- LIGHT POLE
- POWER POLE
- CATCH BASIN
- CONCRETE SIDEWALK OR PAVING WITH CONTROL JOINTS

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.

- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING WINDOW TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING PLUMBING FIXTURES TO REMAIN
- EXISTING PLUMBING FIXTURES TO BE DEMOLISHED

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.

- NEW DOOR IN NEW WALL. SEE DOOR SCHEDULE.
- NEW WINDOW. SEE WINDOW TYPES. TAGS ARE PLACED ON THE FRONT SIDE OF WINDOW.
- NEW METAL STUD WALL. SEE WALL TAGS ON DIMENSION PLANS AND WALL TYPES SHEET AS01A FOR MORE INFORMATION.
- NEW BRICK MASONRY WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- NEW CMU WALL. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- NEW CAST-IN-PLACE CONCRETE WALL. SEE WALL TAGS ON DIMENSION PLANS FOR MORE INFORMATION.
- NEW PLUMBING FIXTURES

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.

- 2' X 4' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS 1/A503A, 4/A503A, 7/A503A, 10/A503A
- 2' X 2' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS 1/A503A, 4/A503A, 7/A503A, 10/A503A
- SUSPENDED GYPSUM BOARD CEILING OR SOFFIT SEE DETAILS 2/A503A, 3/A503A, 5/A503A, 8/A503A
- NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS
- NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS
- NEW EXHAUST FAN - SEE MECHANICAL DRAWINGS
- CEILING HEIGHT ABOVE FINISHED FLOOR
- NEW 2' X 4' LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

LEGEND - ROOF PLAN

BUILDING COMPONENTS (ROOF DRAINS, HATCH, ETC.) ARE DRAWN AT 1/4" = 1'-0". ON PLANS DRAWN AT 1/8" = 1'-0" SCALE. COMPONENTS SHALL APPEAR HALF THIS SIZE.

- TAPERED INSULATION CRICKET WITH 1/8" PER FOOT SLOPE. MINIMUM, ALONG VALLEY AND 1/4" PER FOOT SLOPE. MINIMUM, ACROSS CRICKET.
- ROOF DRAIN. SEE DETAIL -/---
- ROOF HATCH SEE DETAIL -/---
- SLOPE DOWN DIRECTION FOR WATER FLOW TOWARD ROOF DRAINS.
- AS ROOF STRUCTURE IS LEVEL (FLAT WITH NO SLOPE) IN THIS AREA, USE TAPERED INSULATION (1/4" PER FOOT SLOPE) FOR DRAINAGE. PROVIDE CRICKETS AS REQUIRED ON THE TOP OF TAPERED INSULATION.

GENERAL NOTES

- 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.
- ALL WORK SHALL COMPLY WITH THE CURRENT ADA ACCESSIBILITY GUIDELINES (AMERICANS WITH DISABILITIES ACT).
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- 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 ROTOR HAMMER, SAW CUTTING, CONCRETE ANCHORS, ETC. SHALL BE COORDINATED WITH THE OWNER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT.
- ALL DIMENSIONS ARE SHOWN TO FACE OF GYPSUM BOARD OF NEW CONSTRUCTION OR STRUCTURAL WALL, UNLESS NOTED OTHERWISE.
- ALL DRAWINGS, THOUGH NOTED TO SCALE ARE FOR ILLUSTRATION ONLY. THE CONTRACTOR SHALL NOT SCALE DRAWINGS.
- 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.
- DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH U.L. 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.
- 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.
- 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.
- ABBREVIATIONS THROUGHOUT THE PLAN ARE THOSE IN COMMON USE. THE ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION.
- THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF WATER AND DRAIN INSTALLATIONS AND OTHER REQUIRED SERVICES WITH EQUIPMENT MANUFACTURERS.
- MAINTAIN ALL EXISTING SPRAY-APPLIED FIRE PROOFING ON STEEL STRUCTURAL MEMBERS, WHERE EXISTING FIRE PROOFING IS REMOVED FOR INSTALLATION OF NEW BEAMS, UNSTRUTS, ETC. THE CONTRACTOR SHALL PATCH AGAIN WITH EQUIVALENT FIRE PROOFING MATERIAL TO MATCH ADJACENT EXISTING MATERIAL.
- ALL WOOD CANTS, NAILERS, CURBS, ETC. THROUGHOUT JOB SHALL BE FIRE RETARDANT PRESSURE-TREATED, AS PER I.B.C. CURRENT VERSION. SEE RELEVANT DETAILS.
- CONTRACTOR SHALL REFER TO THE PROJECT MANUAL FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS AND OTHER NOTES.

GENERAL NOTES - DEMOLITION SITE PLAN

- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS INCLUDING BUT NOT LIMITED TO UNDERGROUND UTILITIES AND SERVICE LINES, IRRIGATION LINES AND SUB-SURFACE STRUCTURES AND ALL OTHER EXISTING CONSTRUCTION BOTH ABOVE AND BELOW GRADE.
- GENERAL CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING BOTH DEMOLITION AND NEW CONSTRUCTION WORK AND SHALL REPAIR ANY DAMAGE RESULTING FROM THIS WORK.
- CONTRACTOR SHALL INCLUDE IN THEIR BID THE AMOUNT FOR COST ASSOCIATED WITH DEMOLITION, CORE-DRILLING, REMOVAL AND REPLACEMENT OF EXISTING CEILINGS, WALLS AND FINISHES REQUIRED FOR THE INSTALLATION OF MECHANICAL AND ELECTRICAL ITEMS IN THE EXISTING BUILDING. SEE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR AREAS WHERE NEW WORK IS REQUIRED AT THE EXISTING BUILDING. ANY EXISTING FINISHES THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED TO PROVIDE A NEW APPEARANCE. BIDS SHALL INCLUDE FIRE SAFING AT THE FIRE-RATED WALLS WHICH ARE IDENTIFIED ON CODE COMPLIANCE PLANS.
- NOT ALL TREES AND VEGETATION ARE SHOWN ON ARCHITECTURAL SITE PLANS. COORDINATE WITH ARCHITECT IF QUESTIONS ARISE REGARDING DEMOLITION OR PRESERVATION OF EXISTING LANDSCAPING.
- EXISTING SITE FENCING THAT IS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE THAT OCCURS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE.
- SEE CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

GENERAL NOTES - SITE PLAN

- SEE CIVIL DRAWING FOR SITE UTILITIES, DIMENSIONS, SIDEWALKS, AND ALL OTHER SITE RELATED ITEMS AND DETAILS.

GENERAL NOTES - DOOR SCHEDULE

- SEE PROJECT MANUAL FOR DOOR HARDWARE SCHEDULE.
- 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.
- 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.
- ALL EXTERIOR DOORS SHALL BE INSULATED.
- 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.
- 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.
- COORDINATE DOORS & GATES OUTSIDE BUILDING WITH SITE PLAN.

GENERAL NOTES - DEMOLITION FLOOR PLAN

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

- REFER TO THE CODE COMPLIANCE PLANS FOR INDICATION OF FIRE RATED WALLS.
- AT LOCATIONS WITHOUT CEILINGS (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.
- WHEN FLOOR HEIGHT VARIES IN A ROOM, THE CEILING HEIGHT SHOWN IS THE HEIGHT ABOVE THE FLOOR AT THE ENTRY. UNO.
- SEE INTERIOR ELEVATIONS FOR TOILET AND BATHROOM ACCESSORIES (GRAB BARS, MIRRORS, DISPENSERS, ETC.).
- 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".
- FOR CLARITY SAKE, DIMENSIONS ARE NOT SHOWN AT THE FOLLOWING LOCATIONS:
 - WHERE THE FACE OF WALL COINCIDES WITH THE MAIN GRID LINE OR 4'-0" X 4'-0" SUBGRID.
 - WHERE THE CENTER OF WALL COINCIDES WITH THE MAIN GRID LINE OR 4'-0" X 4'-0" SUBGRID.
- VERIFY WITH ARCHITECT FOR DIMENSIONS NOT SHOWN.
- 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.
- SEE CIVIL, FOOD SERVICE, PLUMBING, AND MECHANICAL DRAWINGS FOR FLOOR SINKS, FLOOR DRAINS, AND OPENINGS IN FLOOR SLABS AND ROOFS FOR DUCTWORK, ETC.
- SEE DOOR AND WINDOW SCHEDULE FOR THE REQUIRED DOOR AND WINDOW OPENING SIZES
- 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.
- 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 MANUFACTURERS 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.
- WALL CABINETS HAVE A DEPTH OF 1'-3" UNLESS NOTED OTHERWISE.
- 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.
- SEE OVERALL FLOOR PLAN SHEETS FOR ANGLES, PIVOT POINT AND DIMENSIONS BETWEEN GRID LINES.
- SEE CODE COMPLIANCE FLOOR PLANS FOR LOCATION OF FIRE BARRIER, NON RATED WALLS, ETC.
- SEE ENLARGED FLOOR PLANS FOR ADDITIONAL DIMENSIONS.
- 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

- 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.
- 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.
- CONTRACTOR SHALL NOT HANG CEILING TILES AND LIGHTS FROM DUCTS, FOR AREAS ABOVE THE CEILING WHERE OVERSIZE DUCTS OCCUR SEE DETAIL 1/A503A.
- 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 FINISHED ITEMS.

GENERAL NOTES - ROOF PLAN

- PROVIDE CRICKET ON THE HIGH SIDE OF ROOF AT ALL CURB LOCATIONS FOR MECHANICAL EQUIPMENT, SKYLIGHT, ROOF HATCH, ETC. WHETHER INDICATED ON THE ROOF PLAN OR NOT.
- PROVIDE WEATHERHEAD (GOOSNECK 2" CONDUIT) WHERE CONDUCTORS PENETRATE ROOF FOR DISCONNECT SWITCHES, POWER OUTLETS, ETC. SECURE GOOSNECK TO STRUCTURE BELOW.
- PROVIDE WALKWAY PADS BETWEEN MECHANICAL EQUIPMENT, TO AND FROM ROOF HATCHES AND OTHER ROOF ACCESS POINTS, AND AROUND MECHANICAL EQUIPMENT REQUIRING PERIODIC MAINTENANCE.

GENERAL NOTES - INTERIOR ELEVATIONS

- PROVIDE LOCKS FOR CABINETS AS INDICATED ON THE CABINET LEGEND ON SHEET A505A AND IF INDICATED ON INTERIOR ELEVATIONS.
- IN ROOMS WHERE CABINETS ARE REQUIRED TO BE LOCKED, PROVIDE LOCKS OPERABLE WITH SINGLE KEY.
- FOR TYPICAL MOUNTING HEIGHTS, SEE SHEET G003. FOLLOW THE HEIGHT UNLESS NOTED OTHERWISE IN INTERIOR ELEVATIONS. VERIFY WITH ARCHITECT FOR ITEMS NOT INDICATED.
- CONTRACTOR SHALL VERIFY WITH OWNER FOR OWNER FURNISHED CONTRACTOR INSTALLED ITEMS AND PROVIDE BACKING IN WALL AS REQUIRED FOR INSTALLATION.
- INTERIOR ELEVATIONS OF CERTAIN ROOMS ARE NOT DRAWN AND ARE NOTED AS SIMILAR ELEVATIONS OF ROOMS THAT ARE INDICATED IN THE DRAWINGS.
- CONTRACTOR SHALL PROVIDE FILLER PANELS (PLASTIC LAMINATE WRAPPED OVER 5/8" PARTICLE BOARD) WHEREVER GAP OCCURS BETWEEN CABINETS AND WALL.
- SEE FINISH FLOOR PLANS AND FINISH SCHEDULE A603A FOR WALL, CABINET AND COUNTERTOP FINISHES.
- 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 (P1, PL2, S31, 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.
- 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 4/A505B AND 5/A505B.
- AS INDICATED ON INTERIOR ELEVATIONS, WALL CABINETS AT CERTAIN LOCATIONS MAY REQUIRE A VERTICAL OR A SLOPED FASCIA PANEL.
- 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).
- FOR ALL CABINETS PROVIDE BACKING IN WALL AS PER DETAIL 3/A505B.

Intermountain Healthcare
 Utah Valley Regional Medical Center
 MRI Replacement

1034 North 500 W
 Provo, Utah 84604

NJRA Project # 22230.00
 Confirmed Set Feb. 23, 2023

General
Legend &
Notes

G005

1. Design Criteria

- 1.1. Governing Building Code 2018 International Building Code (IBC)
 - A. Risk Category III
- 1.2. Earthquake
 - A. Seismic Design Category D
 - B. Spectral Response Accelerations
S_{DS} = 0.922 g
- 1.3. Foundation
 - A. Subsurface Conditions:
Soils report and log of borings was obtained by the Owner for the Engineer's use in the design of the existing structure and as a part of the Contract Documents. This report is not a warranty of the subsurface conditions. The Contractor may use the report at their own risk.
 - B. Soils Report by RB&G dated January 31, 2006.
 - C. Soil Bearing Pressure: 2000 psf on suitable natural subgrade or on compacted fill extending to suitable natural subgrade

2. Earthwork

- 2.1. Clearing: The entire project area shall be scraped to remove the top 4 inches of soil, including all vegetation and debris. Following stripping, all fill soils and any remaining loose natural soils shall be excavated to expose competent natural soils.
- 2.2. Proof rolling: The natural undisturbed soil below all exterior slabs shall be proof rolled prior to placing concrete. Remove all soft spots and replace with compacted structural fill.
- 2.3. Compacted structural fill: Structural fill shall be provided at all locations and extents described by the TYPICAL COMPACTED STRUCTURAL FILL DETAIL. 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. All fill shall be tested (See Specifications and the Quality Assurance section of the GSN).
- 2.4. Slab thicknesses shall be as required by the plans and underlain by a granular soil layer at least 12 inches thick as per the soils report. The 4 inches immediately below the slab on grade shall be free draining granular fill per the structural documents. This initial portion of free draining granular fill below the slab on grade may constitute a 4 inch portion of the 12 inch thick required granular layer. See soils report for any further requirements or specifications.
- 2.5. It shall be the responsibility of the Contractor to brace and shore excavations as required.

3. Concrete

- 3.1. 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	Exposure Classes*		
					F	S	C
Slabs on Grade	3000	0.45	-	1"	F0	S0	C0
Exterior Slabs on Grade	4500	0.45	6	1"	F2	S0	C1

*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 A615 Grade 60, fy = 60,000 psi min, unless noted otherwise.
- E. Fiber Reinforcement:
 1. Macro-synthetic: Fibers: monofilament, non-fibrillating fibers made of a polypropylene/polyethylene blend. Macro fibers shall comply with ASTM C 1116, Type II, and meet the criteria of ASTM D 7508.
 - a. Where noted in the Steel Deck Schedule, macro-synthetic fibers shall be added to concrete over steel deck at a dosage rate determined by the fiber manufacturer but not less than 4 lb/cu yd.
 - b. Do not burn off exposed fibers.
- F. Admixtures:
 1. Air-entraining admixtures, comply with ASTM C 260 (when used).
 - a. Tolerance on air content as delivered shall be +/- 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.
- G. 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, 0.15% for concrete with exposure class C2, and 0.06% for all prestressed concrete.
- H. 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.
- I. 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.
 - J. 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.
- 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. Formed concrete exposed to earth or weather: #5 and smaller bars: 1.12"
- 3.4. Construction Joints and Control Joints:
 - A. Slabs on grade shall have construction or control joints spaced not to exceed 30 times the slab thickness in any direction.
 - B. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed within 12 hours of concrete placement. See typical details for joint configuration.
- 3.5. Detailing: All reinforcing shall be detailed, bolstered & 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 in compliance with the CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE SCHEDULE.
 - 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, curbs, dowels, sleeves, conduits, bolts, 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.
- 3.6. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

4. Miscellaneous

- 4.1. Post-Installed Anchors in Concrete
 - A. Anchorage to hardened concrete shall include all mechanical and adhesive anchors and epoxy doweled reinforcing bars of size, quantity, spacing, and embedment as shown on the drawings. Additional anchors shall not be used without approval from the Engineer prior to installation.
 - B. Special inspection is required during the installation of all post-installed anchors. Refer to applicable code evaluation reports and the Quality Assurance and Statement of Special Inspections sections of the General Structural Notes.
 - C. Anchorage to Concrete:
 1. All post-installed anchors into hardened concrete shall be as indicated.
 2. Adhesive anchors shall be installed into concrete having a minimum age of 21 days. For installations sooner than 21 days, consult the adhesive manufacturer.
 - D. Alternate anchors or adhesives are permitted with approval of the Engineer. The Contractor shall submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent to or exceeds the capacity of the specified anchor.
 - E. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
 1. Hole diameter, depth, and cleaning procedure
 2. Adhesive mixing, preparation, and placement
 3. Installation torque
 4. Locate all existing reinforcement and embedded items prior to drilling into concrete elements. Do not damage rebar or embeds while drilling or installing anchors.
 - F. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional requirements at architecturally exposed concrete.
 - G. Carbon steel anchors are limited to use in dry, interior locations.
 - H. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report.

5. Special Instructions

- 5.1. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Changes or additional requirements for additional elements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.

- 5.2. 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.

- 5.3. 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.

5.4. Existing conditions

- A. Existing conditions:
 1. 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.
 2. 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.
 3. Contractor shall field verify all existing conditions prior to performing any work, including but not limited to, bidding and estimating, detailing, fabricating, manufacturing, or installing any given structural element indicated in the contract drawings.
 4. Information on existing conditions provided in the contract drawings are based on information gathered from existing drawings and during limited site observations. If conditions shown do not match existing conditions noted architect/engineer prior to performing any work. Do not proceed until instructions in writing are provided by the architect/engineer.
 5. 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.
 6. 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.
 7. Contractor shall refer to existing drawings of the existing facility to verify:
 - a. 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
 8. Demolition, cutting, drilling, etc. work shall be performed as to not damage existing structure that is to remain and shall be performed in a manner that maintains 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.
 9. 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.

- 5.5. 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 be the responsibility of the Contractor for the completion of 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.

- 5.6. 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/Engineer. 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.

- 5.7. 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.

- 5.8. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reveley 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 Reveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reveley 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.

6. Quality Assurance

- 6.1. 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.

- 6.2. 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. The Contractor's statement of responsibility shall contain acknowledgement or awareness of the special requirements contained in the statement of special inspections.
 - 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.

- 6.3. Structural Observations by the Engineer of Record.
 - A. The Engineer of Record will perform a structural observation at a critical phase of the project. Copies of the Engineer's report will be distributed to the Architect, Contractor, Owner, and building official.
 - B. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.

7. Statement of Special Inspections

- 7.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).
- 7.2. 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 hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided.
Post-installed mechanical anchors and adhesive anchors	Periodic	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report
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, nor less than once for each 5000 ft ² of surface area for slabs. 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	

Item	Frequency	Detailed Instructions
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). The ambient temperature for shotcrete shall be > 40°F for the same period of time as noted for concrete.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of forms.

Soils per IBC Section 1705.6

Item	Frequency	Detailed Instructions
Verify subgrade is adequate to achieve design bearing capacity	Periodic	Prior to placement of concrete.
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 one for each 10,000ft ² of surface area.
Verify proper materials, densities and lift thicknesses during placement and compaction.	Continuous	

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
ELEV	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
GLV	GALVANIZED
GALB	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
ICC	INTERNATIONAL BUILDING CODE
IBC	INTERNATIONAL CODE COUNCIL
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JT	JOIST
JST	JOIST
K	KIPS - 1,000 POUNDS
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
Ld, Ll, Lsb, Lsb1, 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
MFGFR	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
OSVJ	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
SDS	SELF-DRILLING SCREWS
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
F.C#	CONTINUOUS FOOTING
F.M#	MAT FOOTING
FR#	RECTANGULAR FOOTING
F.S#	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

STRUCTURAL DRAWING LIST	
SHT NO.	SHT NAME
SE01	GENERAL STRUCTURAL NOTES
SB101	LEVEL 1 PARTIAL PLAN
SB501	SLAB ON GRADE DETAILS

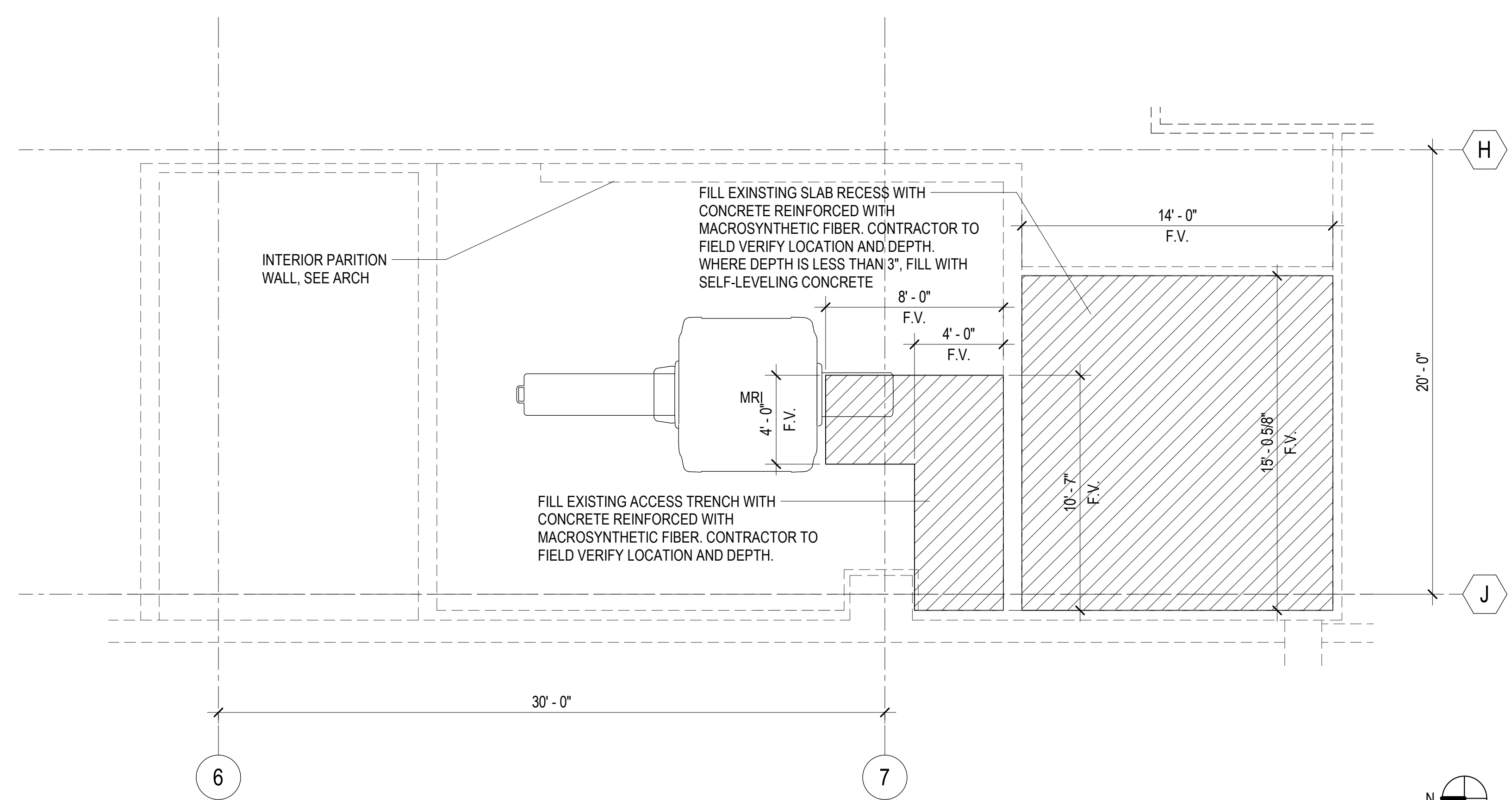
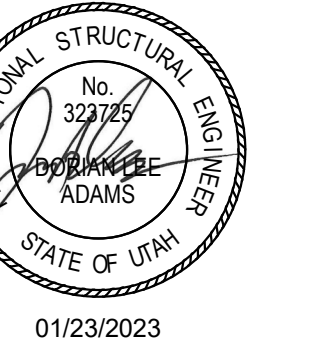
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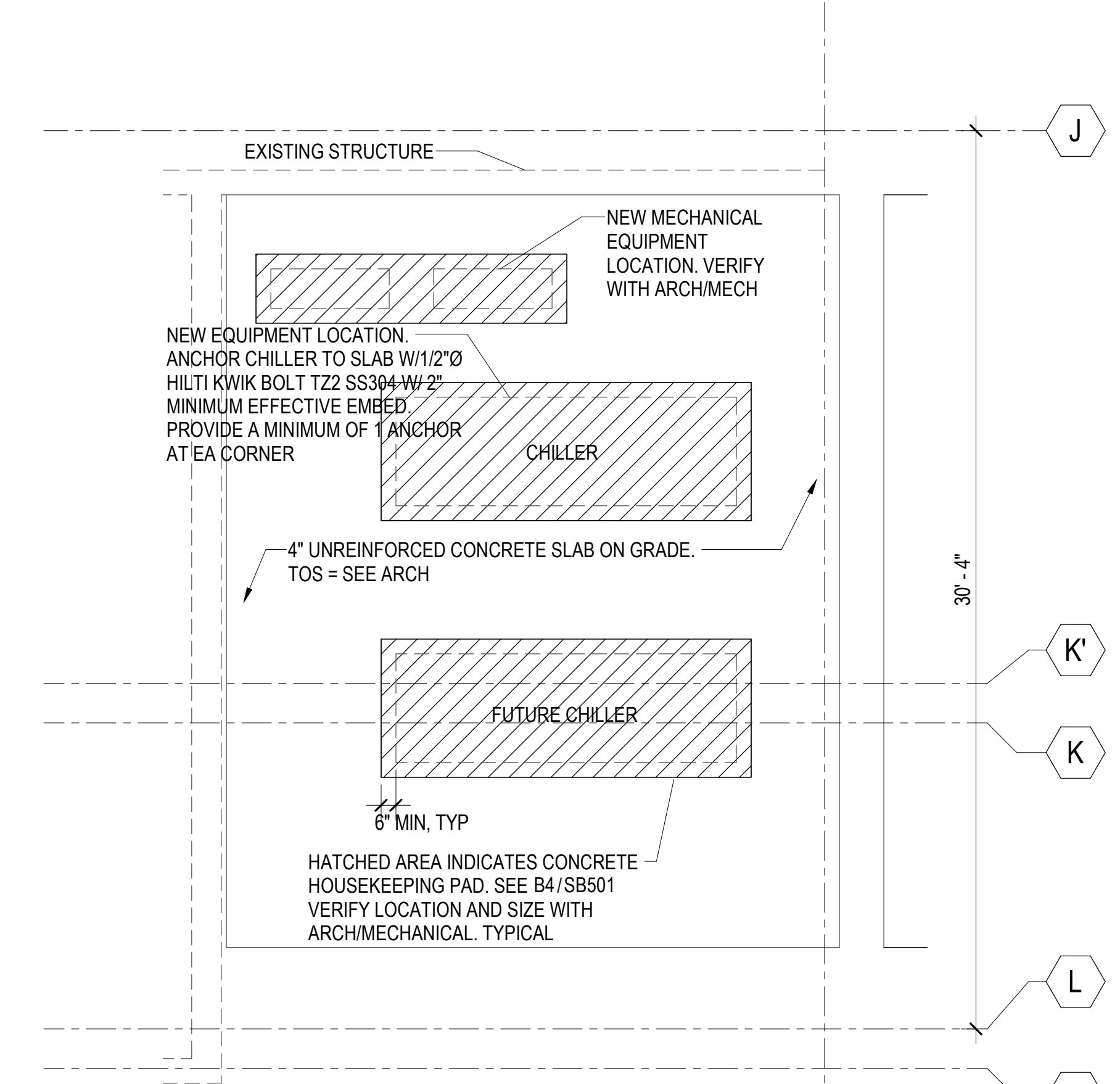
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GENERAL
STRUCTURAL
NOTES

SE001



A1
SB101
LEVEL 1 MRI AREA
SCALE: 1/4" = 1'-0"



NOTE: CONTRACTOR TO VERIFY EQUIPMENT LOCATIONS WITH ARCHITECTURAL MECHANICAL DRAWINGS

A3
SB101
LEVEL 1 CHILLER AREA
SCALE: 1/4" = 1'-0"

- SLAB ON GRADE PLAN NOTES**
1. ALL SLABS ON GRADE SHALL BE 4 INCHES THICK, UNLESS NOTED OTHERWISE. SEE TYPICAL CONCRETE SLAB ON GRADE PROFILE DETAIL B5/SB501 FOR SUBGRADE REQUIREMENTS.
 2. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
 3. SEE TYPICAL CONCRETE SLAB ON GRADE DETAILS FOR CONSTRUCTION JOINTS, CONTROL JOINTS AND ADDITIONAL SLAB REINFORCING A4/SB501
 4. SUBMIT SLAB ON GRADE CONTROL JOINT PLAN FOR REVIEW.

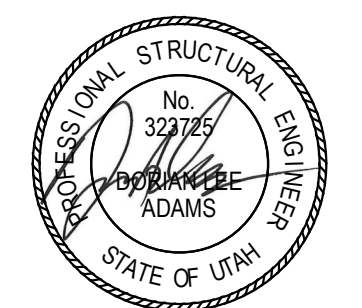
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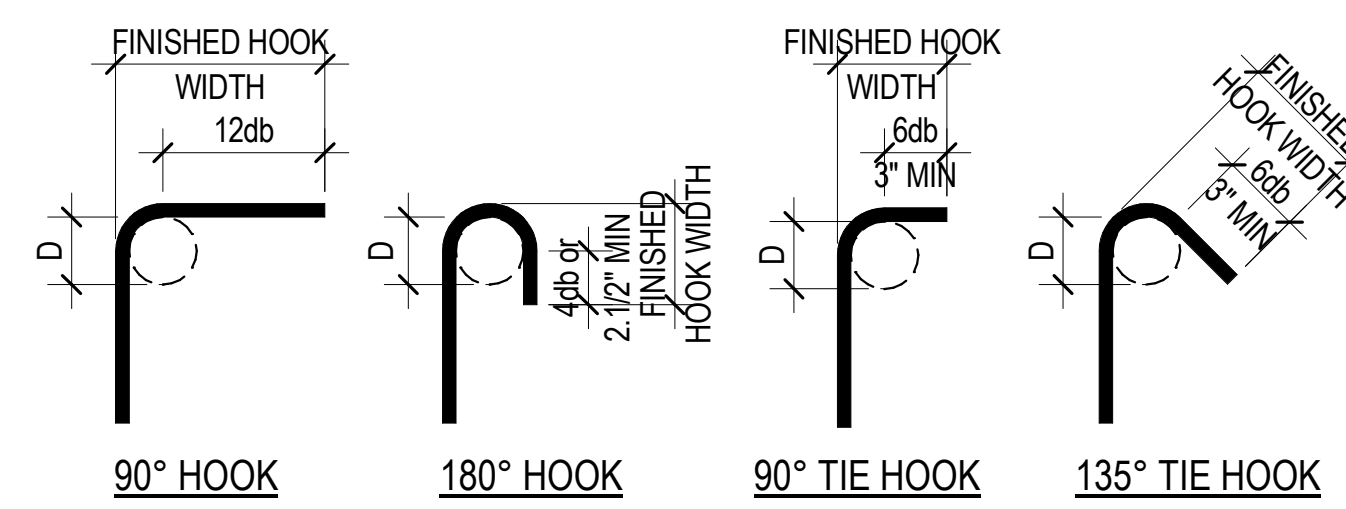
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LEVEL 1
PARTIAL PLAN

SB101



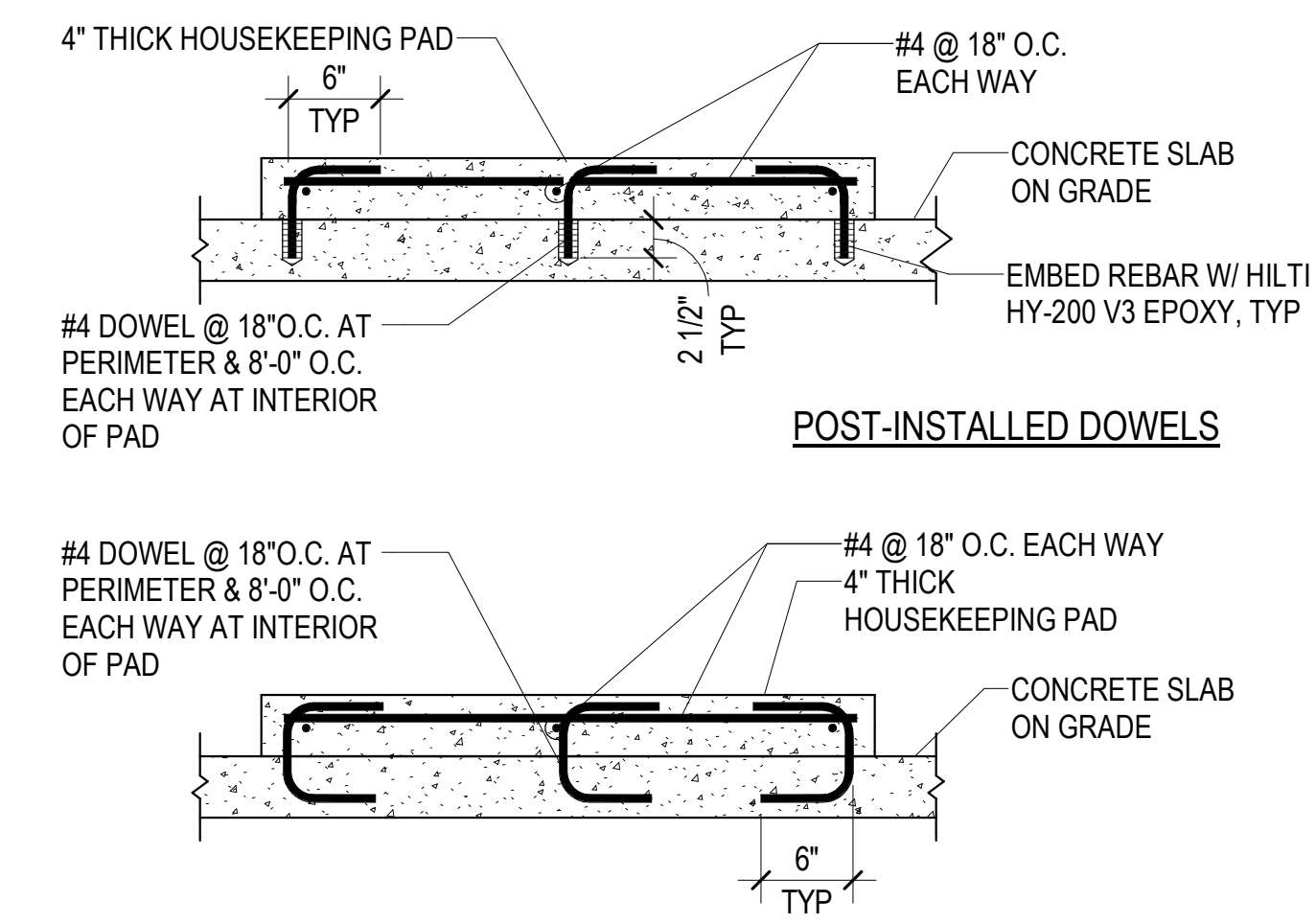
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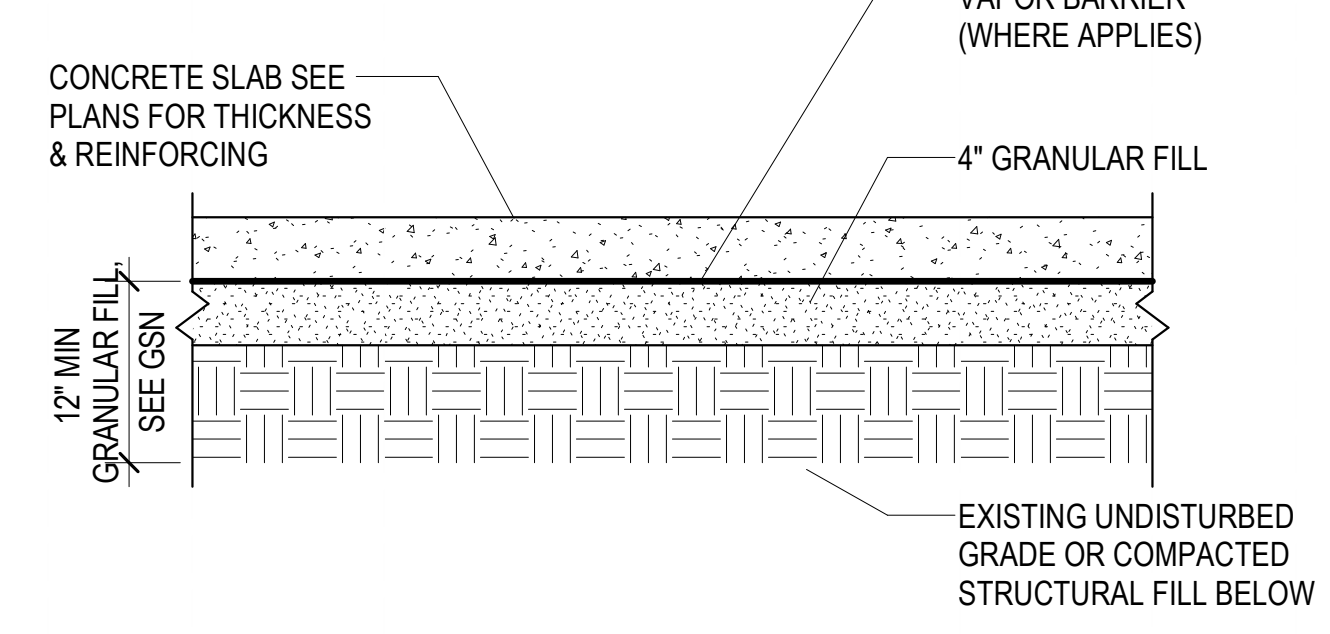
END HOOK SCHEDULE						
BAR SIZE	STANDARD FINISHED HOOK WIDTH			SEISMIC FINISHED HOOK WIDTH		
	D	90° HOOK	180° HOOK	D	90° TIE HOOK	135° TIE HOOK
#3	2.1/4"	6"	3"	1.1/2"	4"	4.1/4"
#4	3"	8"	4"	2"	4.1/2"	4.1/2"
#5	3.1/4"	10"	5"	2.1/2"	6"	5.1/2"
#6	4.1/2"	12"	6"	4.1/2"	--	8"
#7	5.1/4"	14"	7"	5.1/4"	--	9"
#8	6"	16"	8"	6"	--	10.1/2"
#9	9.1/2"	19"	11.3/4"	--	--	--
#10	10.3/4"	22"	13.1/4"	--	--	--
#11	12"	24"	14.3/4"	--	--	--
#14	18.1/4"	31"	21.3/4"	--	--	--
#18	24"	41"	28.1/2"	--	--	--

BAR SIZE	fc = 3000 PSI						fc = 4000 PSI						fc = 4500 PSI						fc = 5000 PSI						fc = 6000 PSI						fc = ALL													
	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt												
#3	17"	22"	22"	28"	15"	19"	19"	25"	14"	18"	18"	23"	13"	17"	17"	22"	12"	16"	16"	20"	8"	12"	17"	22"	22"	28"	15"	19"	19"	25"	14"	18"	18"	23"	13"	17"	17"	22"	12"	16"	16"	20"	8"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"	10"	15"	22"	29"	29"	38"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"	10"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"	12"	19"	28"	36"	36"	47"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"	12"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"	15"	23"	33"	43"	43"	56"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"	15"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"	17"	27"	48"	63"	63"	81"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"	17"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"	19"	30"	55"	72"	72"	93"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"	19"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"	22"	34"	62"	81"	81"	105"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"	22"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"	24"	39"	70"	91"	91"	118"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"	24"	39"
#11	78"	101"	101"	131"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"	27"	43"	78"	101"	101"	131"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"	27"	43"
#14	93"	121"	NA	NA	81"	105"	NA	NA	76"	99"	NA	NA	72"	94"	NA	NA	66"	86"	NA	NA	33"	NA	93"	121"	NA	NA	81"	105"	NA	NA	76"	99"	NA	NA	72"	94"	NA	NA	66"	86"	NA	NA	33"	NA
#18	124"	161"	NA	NA	108"	140"	NA	NA	101"	132"	NA	NA	96"	125"	NA	NA	88"	114"	NA	NA	43"	NA	124"	161"	NA	NA	108"	140"	NA	NA	101"	132"	NA	NA	96"	125"	NA	NA	88"	114"	NA	NA	43"	NA

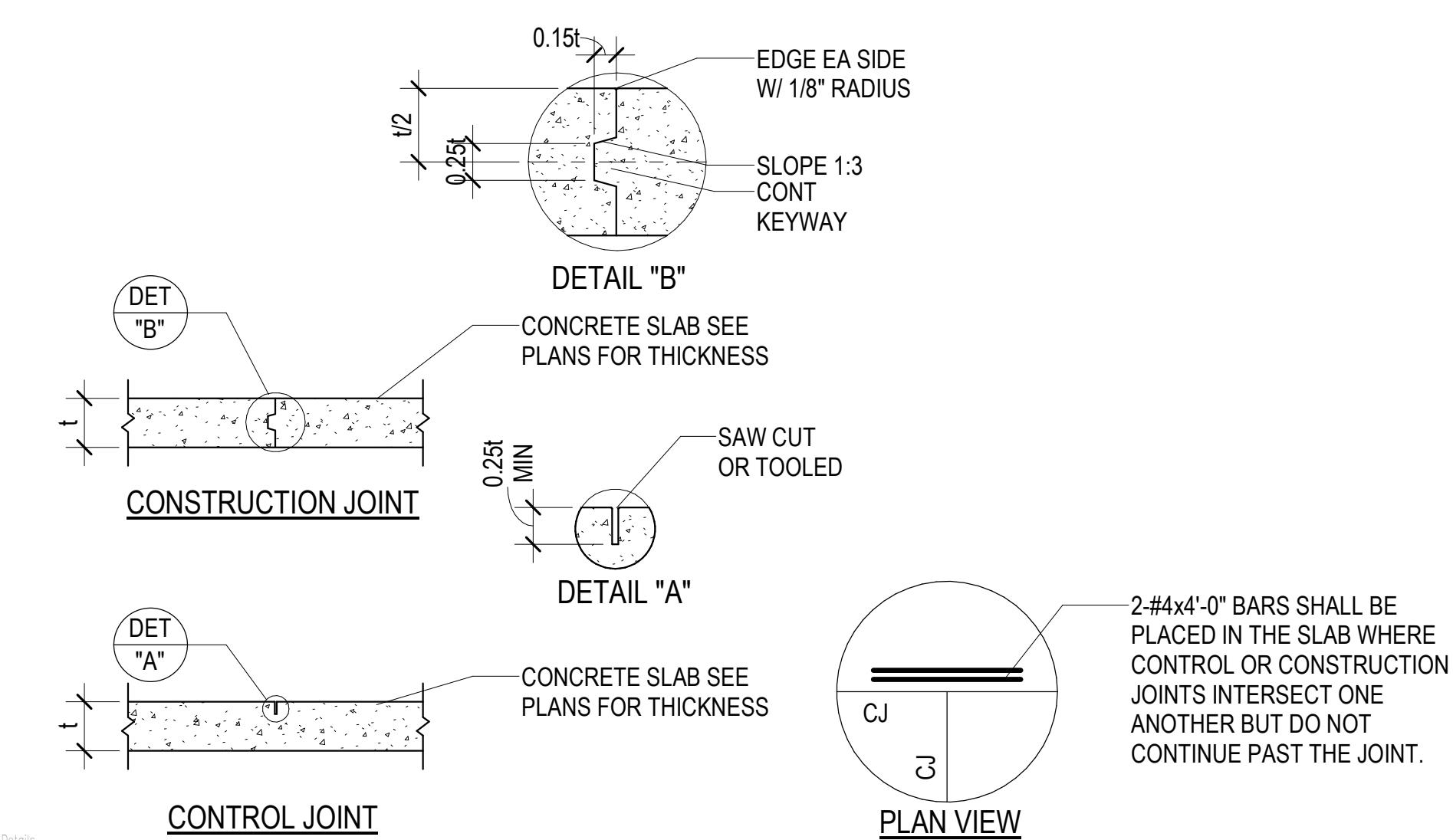
- NOTES:
- DEFINITIONS:
 - Ld: TENSION DEVELOPMENT LENGTH FOR REINFORCEMENT SATISFYING THE FOLLOWING CONDITIONS:
 - SLABS AND WALLS: CLEAR SPACING > 2db AND CONCRETE CLEAR COVER > db
 - BEAMS AND COLUMNS: CLEAR COVER SPACING > db AND CONCRETE CLEAR COVER > db
 - Lt: DEVELOPMENT LENGTH FOR TOP BARS IN TENSION
 - Lsb: TENSION LAP SPLICE LENGTH FOR OTHER THAN TOP BARS (CLASS B)
 - Lsbt: TENSION LAP SPLICE LENGTH OF TOP BARS
 - Ldc: DEVELOPMENT LENGTH FOR BARS IN COMPRESSION
 - db: TIED COLUMN LAP SPLICE IN COMPRESSION
 - db: NOMINAL BAR DIAMETER (INCHES)
 - TOP BARS: HORIZONTAL BEAM REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW
 - MULTIPLY VALUES IN SCHEDULE BY 1.5 IF CLEAR SPACING OR CONCRETE COVER DO NOT MEET REQUIREMENTS FOR Ld IN NOTE 1.
 - MULTIPLY VALUES IN SCHEDULE BY 1.3 FOR USE IN LIGHTWEIGHT AGGREGATE CONCRETE.
 - FOR EPOXY COATED BAR: MULTIPLY VALUES IN SCHEDULE BY 1.5 FOR BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 6db. OTHERWISE MULTIPLY VALUES BY 1.2.
 - a. FOR BUNDLED BARS OF THREE OR LESS MULTIPLY LENGTHS BY 1.2.
 - b. FOR BUNDLED BARS OF FOUR OR MORE MULTIPLY LENGTHS BY 1.33.
 - c. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPICED.
 - SCHEDULE LENGTHS ARE FOR fy=60ksi REINFORCING. MULTIPLY LENGTHS BY 1.25 FOR fy=75ksi REINFORCING.
 - LAP SPLICES ARE NOT PERMITTED FOR #14 & #18 BARS. USE BAR COUPLERS PER G.S.N.



B4 SB501 TYPICAL HOUSEKEEPING PAD AT CONCRETE SLAB ON GRADE NO SCALE



B5 SB501 TYPICAL CONCRETE SLAB ON GRADE PROFILE NO SCALE



A4 SB501 TYPICAL CONCRETE SLAB ON GRADE DETAILS NO SCALE

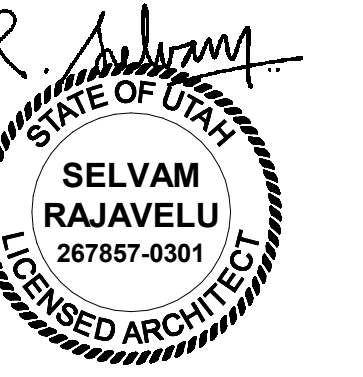
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SLAB ON GRADE DETAILS

SB501

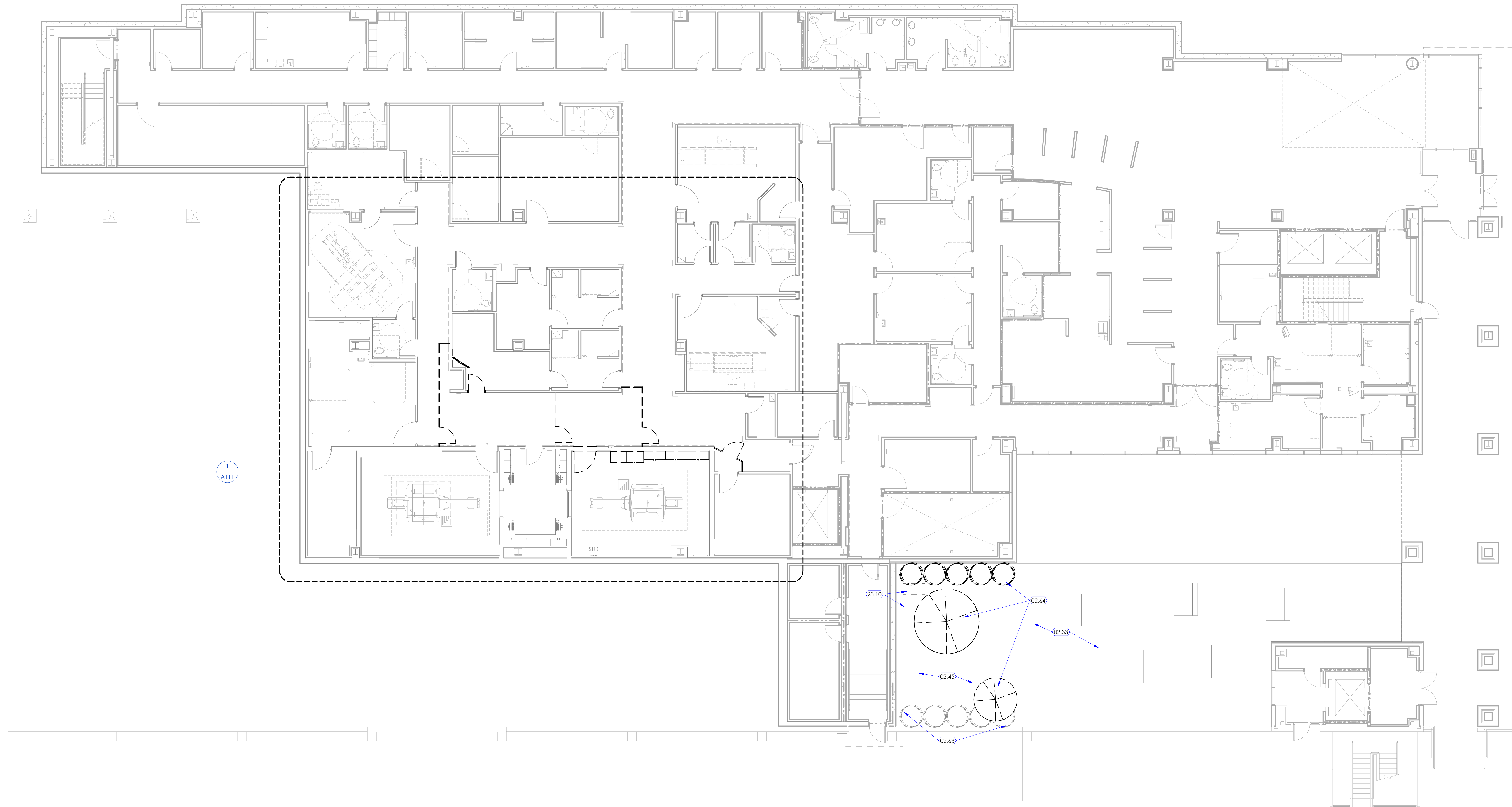


KEYED NOTES

- 02.33 CONCRETE PAVING, EXISTING PAVING TO REMAIN. PROTECT PAVING FROM DAMAGE DURING CONSTRUCTION.
- 02.45 LANDSCAPING (TREES, SHRUBS, PLANTS, GRASS, WOOD CHIPS, ETC.), IN THIS AREA TO BE REMOVED. REMOVE, MODIFY, CAP OFF ANY UNUSED LANDSCAPE IRRIGATION SYSTEM LINES IN THIS AREA. REMOVE TOP SOIL, COMPACT EARTH AND REGRADE AREA TO PREPARE FOR NEW CONCRETE SLAB. SEE DETAILS AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- 02.63 EXISTING PLANTING, LANDSCAPING (SHRUBS, PLANTS, GRASS, WOOD CHIPS, DECORATIVE ROCKS, IRRIGATION LINE ETC.) EXISTING TO REMAIN WHERE SHOWN. PROTECT FROM DAMAGE DURING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS, TRIM SHRUBS AS REQUIRED TO DETERMINE THE EXTENT OF NEW CONCRETE SLAB.
- 02.64 EXISTING TREES AND SHRUBS TO BE REMOVED. COMPLETELY REMOVE STUMPS AND ROOTS AND PREPARE AREA TO RECEIVE NEW CONCRETE SLAB.
- 23.10 EXISTING CONDENSER UNITS. REMOVE, RELOCATE AND REINSTALL ON NEW CONCRETE PLATFORM. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.

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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



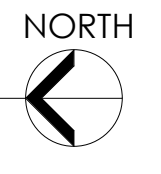
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Demolition
 Site Plan -
 Overall

A011



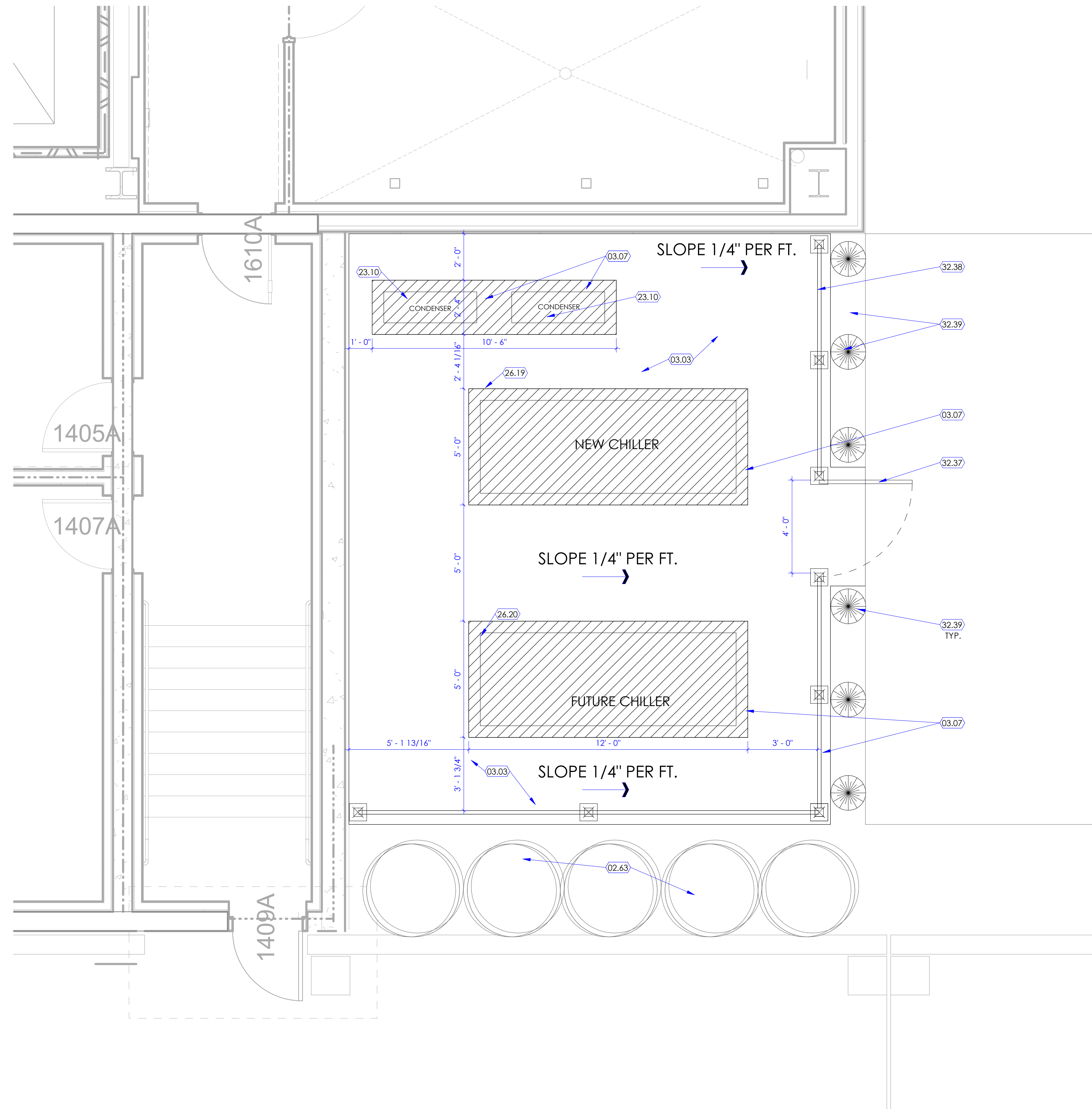
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1 Demolition Site Plan - Overall
 SCALE: 1/8" = 1'-0"

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1 Chiller Enclosure

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



KEYED NOTES

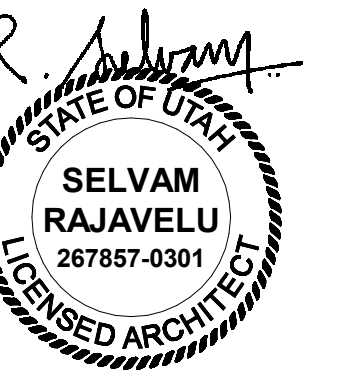
- 02.43 EXISTING PLANTING, LANDSCAPING (SHRUBS, PLANTS, GRASS, WOOD CHIPS, DECORATIVE ROCKS, IRRIGATION LINE ETC.) EXISTING TO REMAIN WHERE SHOWN. PROTECT FROM DAMAGE DURING CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS. TRIM SHRUBS AS REQUIRED TO DETERMINE THE EXTENT OF NEW CONCRETE SLAB.
- 03.03 CONCRETE SLAB ON GRADE, 4" THICK OVER 4" DRAINAGE GRAVEL. SLOPE CONCRETE SLAB AT 1/4" PER FOOT TYPICAL. SEE STRUCTURAL DRAWINGS AND DETAILS FOR MORE INFORMATION.
- 03.07 PROVIDE 4" THICK REINFORCED CONCRETE PADS IN THIS AREA FOR PUMPS, CHILLERS, AIR HANDLING UNITS, MISC. EQUIPMENT, TRANSFORMERS, ETC. AS INDICATED IN THE MECHANICAL AND ELECTRICAL DRAWINGS. VERIFY PAD THICKNESS, SEE, ETC. NEEDED. SEE STRUCTURAL DRAWINGS AND DETAILS FOR MORE INFORMATION.
- 23.10 EXISTING CONDENSER UNITS. REMOVE, RELOCATE AND REINSTALL ON NEW CONCRETE PLATFORM. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 26.19 NEW CHILLER UNIT. SEE MECHANICAL DRAWINGS. SEE STRUCTURAL DRAWINGS FOR ANCHORAGE.
- 26.20 FUTURE CHILLER UNIT. SAME SIZE AS THE NEW CHILLER. PROVIDE ONLY CONCRETE PAD. SEE STRUCTURAL DRAWINGS.
- 32.07 CONCRETE RAMP. SEE DETAIL XX/AXXX. SEE CIVIL DRAWINGS.
- 32.37 4'-0" VINYL FENCE GATE. MATCH VINYL FENCE. PROVIDE POST STIFFENERS AT HINGE AND LATCH POSTS OF FENCE. COLOR TO MATCH HOSPITAL STANDARD.
- 32.38 VINYL FENCE, 8' TALL, TAN. PROVIDE POST STIFFENERS AT CORNER POSTS AND AT LATCH AND HINGE POSTS OF GATES. LEAVE 4" GAP AT THE BOTTOM OF THE FENCE FOR WATER DRAINAGE.
- 32.39 PLANT NEW KARL FORESTER GRASS. PREPARE LANDSCAPING TO PROVIDE NEW MIRAFI GEO-FABRIC WEED BARRIER UNDER WOOD CHIPS, MULCH ETC. MODIFY AND INSTALL LANDSCAPE IRRIGATION SYSTEM FOR NEW AND EXISTING LANDSCAPING.

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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



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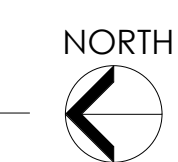
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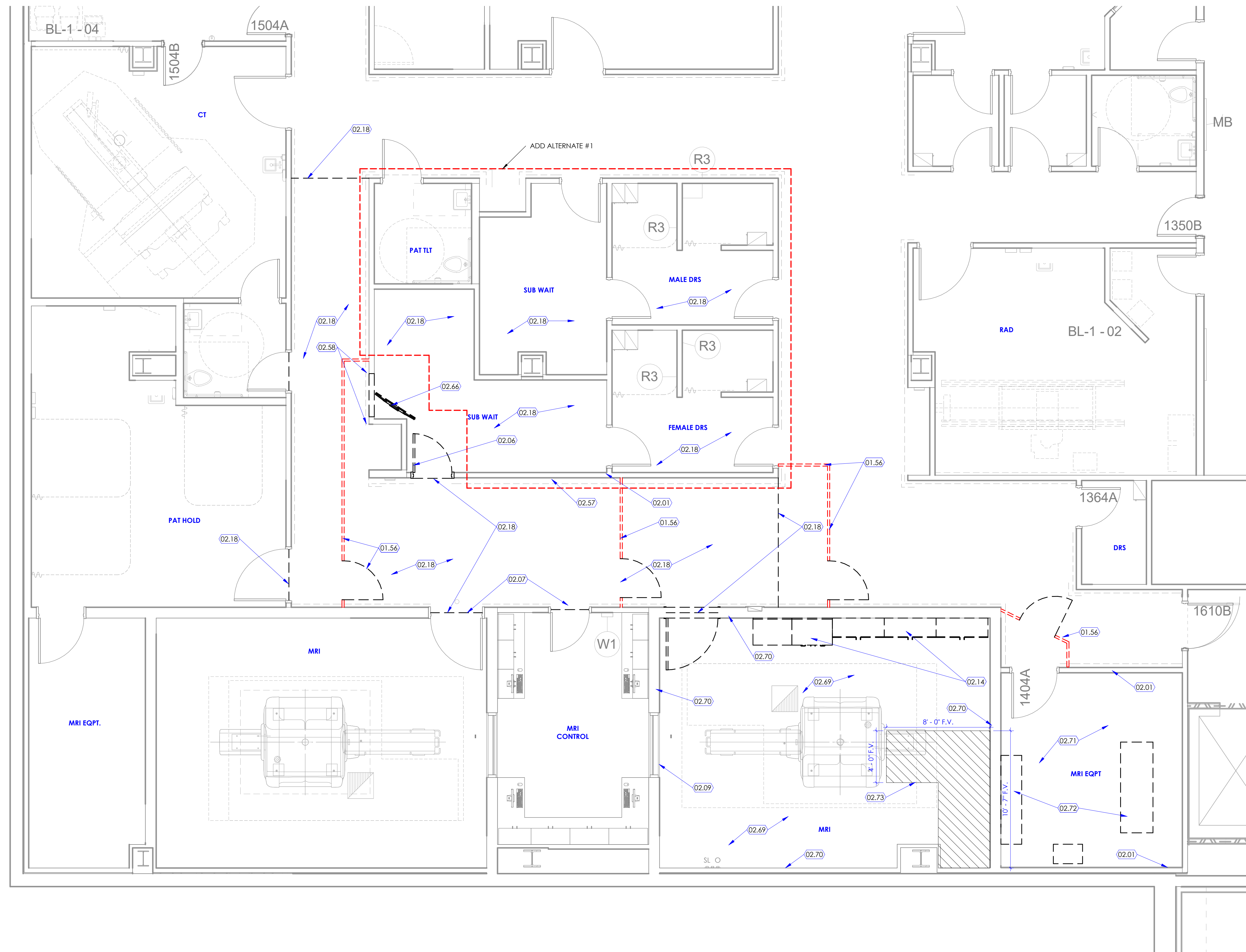
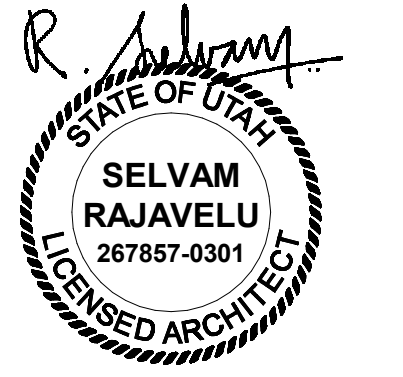
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Site Plan -
Enlarged

A012A





KEYED NOTES

- 01.56 DASHED LINE INDICATES FLOOR TO DECK DUST PROOF CONSTRUCTION BARRIER TO PREVENT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OCCUPIED BY THE OWNER FROM FUMES AND NOISE. CONSTRUCTION BARRIER TO BE ERRECTED WITH PRE-MADE POLYCARBONATE TYPE BARRIER SYSTEM. BASIS OF DESIGN: STARC BARRIER SYSTEM. TAPE & SEAL ALL JOINTS AND OPENINGS. SEAL JOINTS AT PERIMETER. PARTITION TO BE EQUIPPED WITH 4'-0" LOCKABLE MAN DOOR WITH STICKY MATS ON BOTH SIDES OF DOOR. COORDINATE WITH OWNER FOR EXACT LOCATION OF CONSTRUCTION BARRIER.
- 02.01 WALL, EXISTING TO REMAIN. PROTECT WALL FROM DAMAGE DURING CONSTRUCTION.
- 02.06 DOOR AND DOOR FRAME, EXISTING INDICATED WITH DASHED LINE TO BE REMOVED. RETURN DOOR AND FRAME TO OWNER. EXISTING HARDWARE TO BE REUSED IN NEW CONSTRUCTION PHASE.
- 02.07 DOOR FRAME, EXISTING TO REMAIN. PROTECT DOOR FRAME FROM DAMAGE DURING CONSTRUCTION.
- 02.09 LEAD SHIELDED WINDOW, EXISTING TO REMAIN. PROTECT WINDOW 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.
- 02.57 CRASH RAIL, EXISTING AT THIS WALL TO BE REMOVED. RETURN TO OWNER.
- 02.58 CRASH RAIL, REMOVE/CUT CRASH RAIL AT THIS LOCATION AS NECESSARY TO INSTALL NEW DOOR. USE EXISTING END CAP TO CAP NEW END OF CRASH RAIL.
- 02.66 TELEVISION, EXISTING TO BE REMOVED AND RELOCATED. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.69 CAREFULLY REMOVE EXISTING SHEET VINYL FLOORING AT THE MRI ROOM ALL THE WAY DOWN TO PLYWOOD SHEATHING UNDERNEATH AND PREPARE FLOOR TO RECEIVE NEW FLOORING. SEE FINISH FLOOR PLANS FOR MORE INFORMATION. NOTE THAT THERE IS MAGNETIC RF SHIELDING UNDER THE FIRST LAYER OF PLYWOOD THAT SHOULD NOT BE DAMAGED. CONTACT OWNERS MAGNETIC SHIELDING VENDOR PDC TO FOLLOW REQUIRED PROCEDURE BEFORE PROCEEDING WITH THE WORK.
- 02.70 MAGNETIC SHIELDED WALL OF MRI ROOM, EXISTING TO REMAIN. PROTECT WALL FROM DAMAGE DURING CONSTRUCTION. PATCH, REPAIR AND PAINT WALL AS REQUIRED TO COMPLETE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS. WORK SHALL ALSO INCLUDE REPAIR OF MAGNETIC SHIELDING TO BE PERFORMED BY OWNERS VENDOR PDC AS NOTED IN VENDOR EQUIPMENT DRAWINGS AND AS MAY BE REQUIRED DUE TO EXISTING CONDITIONS.
- 02.71 REMOVE RAISED PEDESTAL FLOORING AT THE EQUIPMENT ROOM AND FILL EXISTING 10" SLAB RECESS WITH CONCRETE REINFORCED WITH MACROSYNTHETIC FIBER. COORDINATE WITH OWNER AND GE HEALTHCARE TO REMOVE ALL EQUIPMENT FROM THIS ROOM BEFORE PROCEEDING WITH THE WORK. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH. SEE STRUCTURAL, MECHANICAL AND ELECTRICAL WORK FOR MORE INFORMATION.
- 02.72 EXISTING EQUIPMENT IN THIS ROOM TO BE REMOVED BY OWNER AND OWNER'S VENDOR GE HEALTHCARE.
- 02.73 FILL EXISTING ACCESS TRENCH WITH CONCRETE REINFORCED WITH MACROSYNTHETIC FIBER. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH. SEE STRUCTURAL 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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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

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 Utah Valley Regional Medical Center
 MRI Replacement

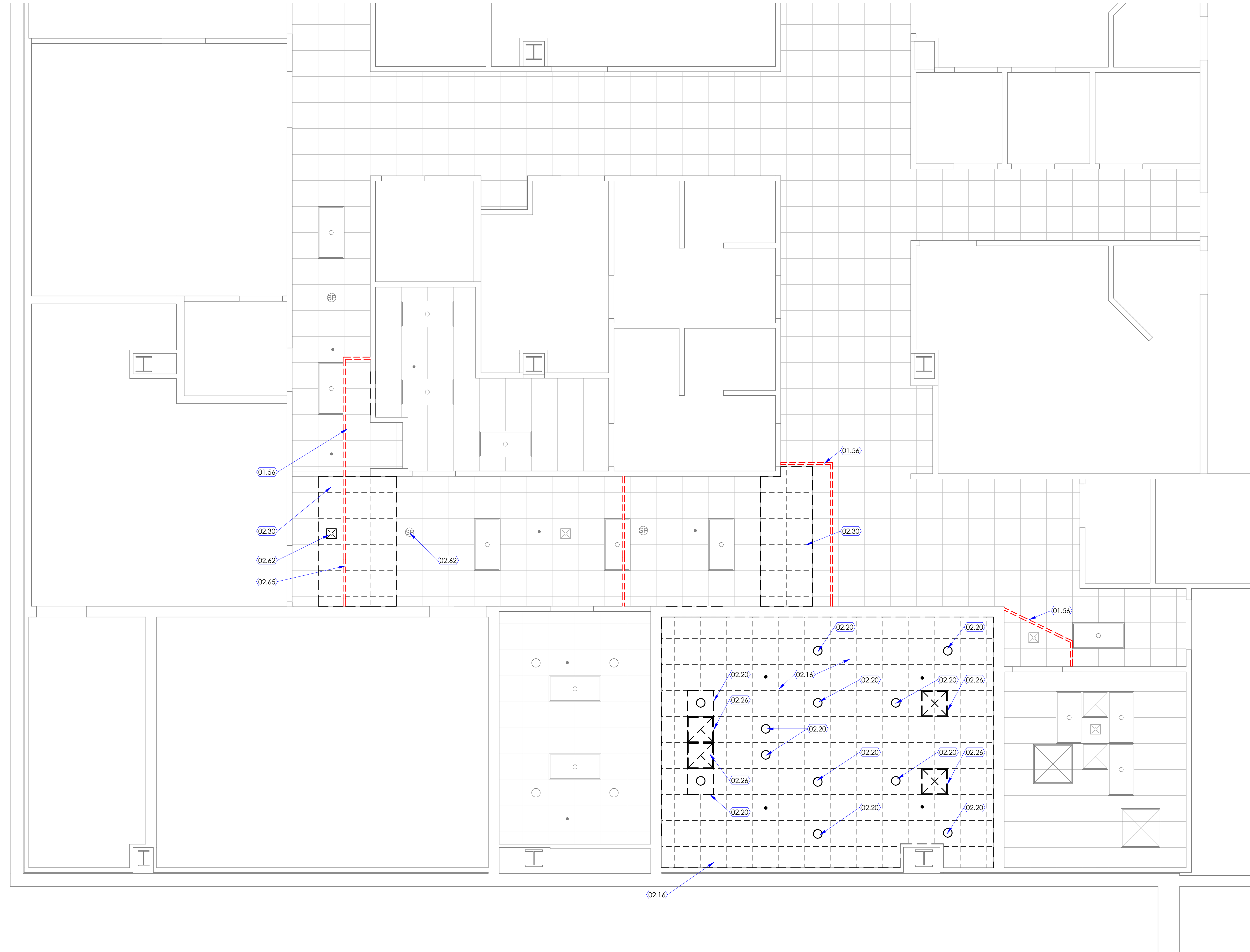
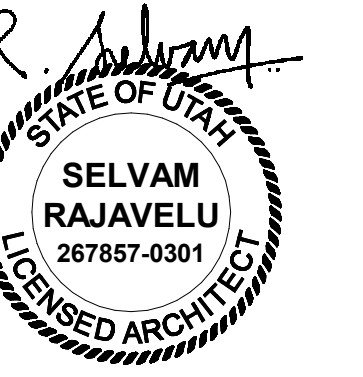
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NJRA Project # 22230.00
 Confirmed Set Feb. 23, 2023
 1 Addendum 01 Feb. 14, 2023

Demolition
Floor Plan
Level 1

A111

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KEYED NOTES

- 01.56 DASHED LINE INDICATES FLOOR TO DECK DUST PROOF CONSTRUCTION BARRIER TO PREVENT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OCCUPIED BY THE OWNER FROM FUMES AND NOISE. CONSTRUCTION BARRIER TO BE ERRECTED WITH PRE-MADE POLYCARBONATE TYPE BARRIER SYSTEM. BASIS OF DESIGN: STARC BARRIER SYSTEM. TAPE & SEAL ALL JOINTS AND OPENINGS. SEAL JOINTS AT PERIMETER. PARTITION TO BE EQUIPPED WITH 4'-0" LOCKABLE MAN DOOR WITH STICKY MATS ON BOTH SIDES OF DOOR. COORDINATE WITH OWNER FOR EXACT LOCATION OF CONSTRUCTION BARRIER.
- 02.16 CEILING, TILES, GRIDS EXISTING INDICATED DASHED IN THIS AREA TO BE REMOVED.
- 02.20 LIGHT FIXTURE, EXISTING INDICATED IN THIS AREA TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
- 02.26 MECHANICAL DIFFUSER OR GRILLE, EXISTING INDICATED IN THIS AREA TO BE REMOVED. SEE MECHANICAL DRAWINGS.
- 02.30 CEILING GRID AND TILE, REMOVE EXISTING AS REQUIRED FOR NEW FRAMED HEADER, PROTECT TILES AND GRID FROM DAMAGE DURING CONSTRUCTION.
- 02.62 ELECTRICAL FIXTURE, REMOVE AS REQUIRED TO CONSTRUCT NEW FRAMED HEADER, EXISTING TO BE REUSED, PROTECT FROM DAMAGE DURING CONSTRUCTION. SEE ELECTRICAL DRAWINGS.
- 02.65 LIGHT FRAMED HEADER, EXISTING TO BE REUSED, REMOVE AS REQUIRED TO CONSTRUCT NEW FRAMED HEADER, PROTECT FROM DAMAGE DURING CONSTRUCTION. 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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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

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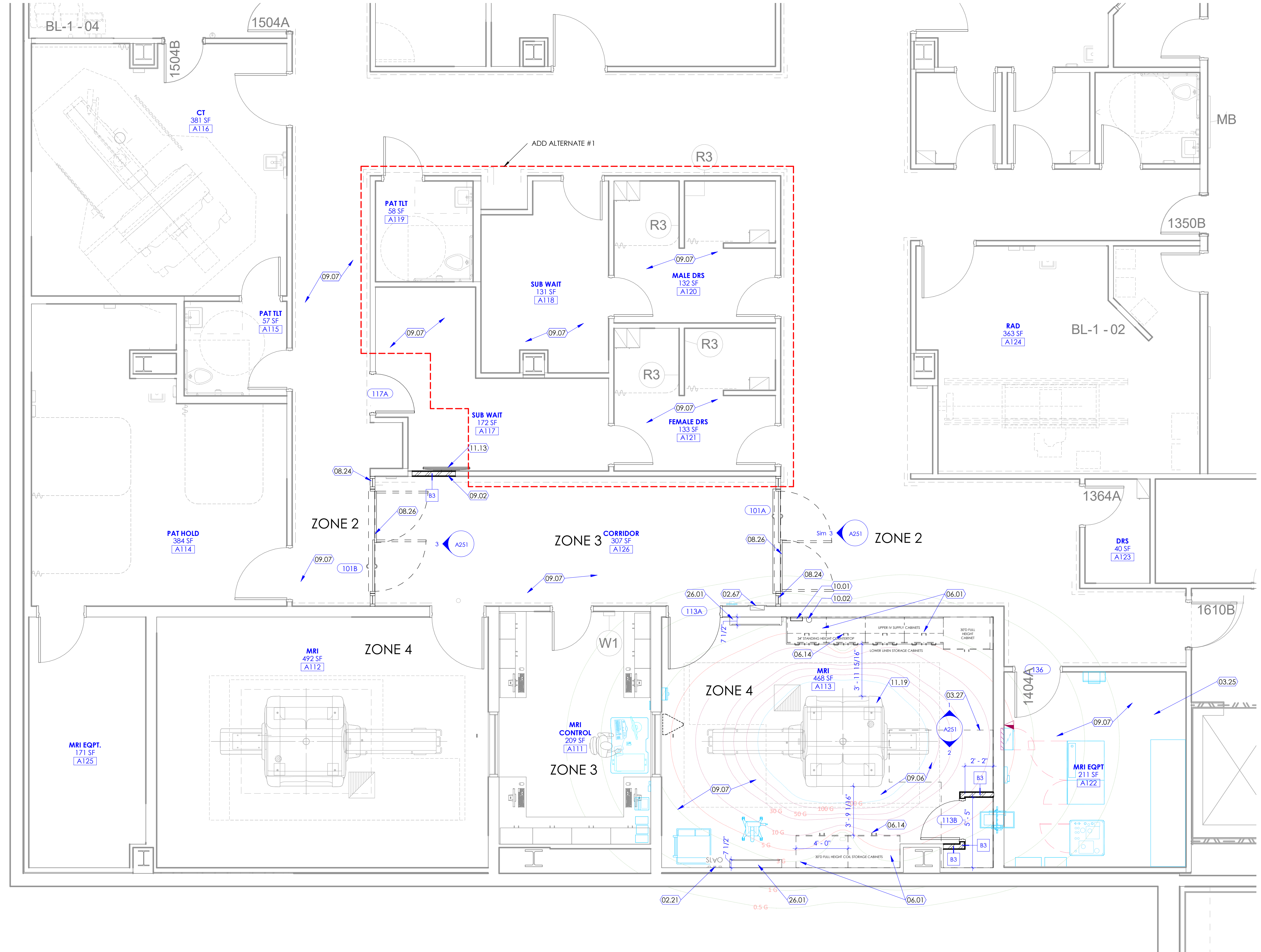
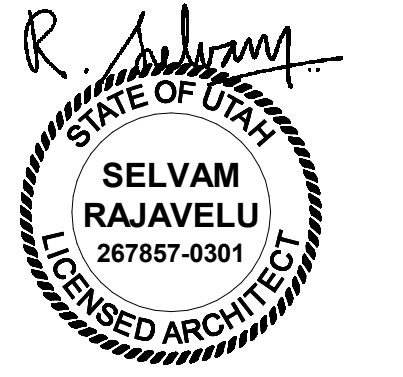
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Demolition
 Ceiling Plan
 Level 1

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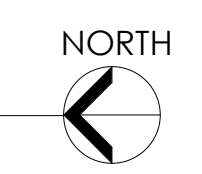
KEYED NOTES

- 02.21 MED GAS OUTLET, EXISTING TO REMAIN, PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 02.67 MED GAS SHUT OFF PANEL, EXISTING TO REMAIN.
- 03.25 10" CONCRETE INFILL SLAB, SEE STRUCTURAL DRAWINGS
- 03.27 CONCRETE INFILL SLAB, SEE STRUCTURAL DRAWINGS.
- 06.01 CABINET, SEE CABINET LEGEND ON SHEET A1055A, AND INTERIOR ELEVATIONS, FOR CABINET TYPES SUCH AS BASE CABINETS, WALL CABINETS, TALL CABINETS, ETC.
- 06.14 HARDWARE FOR ALL CASEWORK, INSIDE THE MRI SCAN ROOM TO BE NON-FERROUS (STAINLESS STEEL, BRASS OR COPPER), THIS INCLUDES DOOR AND DRAWER PULLS, DRAWER SLIDES, LOCKS, CABINET DOOR HINGES, ETC
- 08.24 ALUMINUM-FRAMED STOREFRONT SYSTEM, WINDOW SYSTEM SHALL BE 2" X 4 1/2" TYPE FRAMES, GLAZING SHALL BE LOCATED CENTERED IN THE FRAME, FRAMES SHALL BE CLEAR ANODIZED.
- 08.26 AUTOMATIC SLIDING ALUMINUM AND GLASS DOOR ENTRANCE WITH BREAKOUT FUNCTIONALITY, STANLEY DURAGLIDE 3000 SERIES AS BASIS OF DESIGN.
- 09.02 PATCH AND REPAIR WALL FINISHES, BUMPER GUARDS, WALL BASE, ETC. TO MATCH ADJACENT/UT.
- 09.06 RF SHIELDING EXISTING UNDER THE PLYWOOD BENEATH THE NEW FLOORING, CONTRACTOR SHALL PROJECT SHIELDING AND CONTACT SHIELDING VENDOR PDC FOR MORE INFORMATION, SEE FINISH FLOOR PLAN FOR NEW FLOORING.
- 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.
- 10.01 GLOVES DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 10.02 EMESIS BAG DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 11.13 TELEVISION (TV), NOT IN CONTRACT, OWNER FURNISHED OWNER INSTALLED, PROVIDE WALL MOUNTED METAL BRACKET TO SUPPORT THE TV, BRACKET SIZE AND MODEL SHALL BE BASED ON THE TV SIZE, PROVIDE PLYWOOD BACKING IN WALL AS REQUIRED TO SUPPORT THE TV BRACKET, PROVIDE POWER, DATA AND HDMI PORT, SEE ELECTRICAL DRAWINGS.
- 11.19 NEW OR RE-PURPOSED MRI EQUIPMENT BY OWNER'S VENDOR GE HEALTHCARE, SEE GE EQUIPMENT DRAWINGS FOR MORE INFORMATION.
- 26.01 ILLUMINATED WALL FIXTURE, SEE ELECTRICAL DRAWINGS, SEE EQUIPMENT 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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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



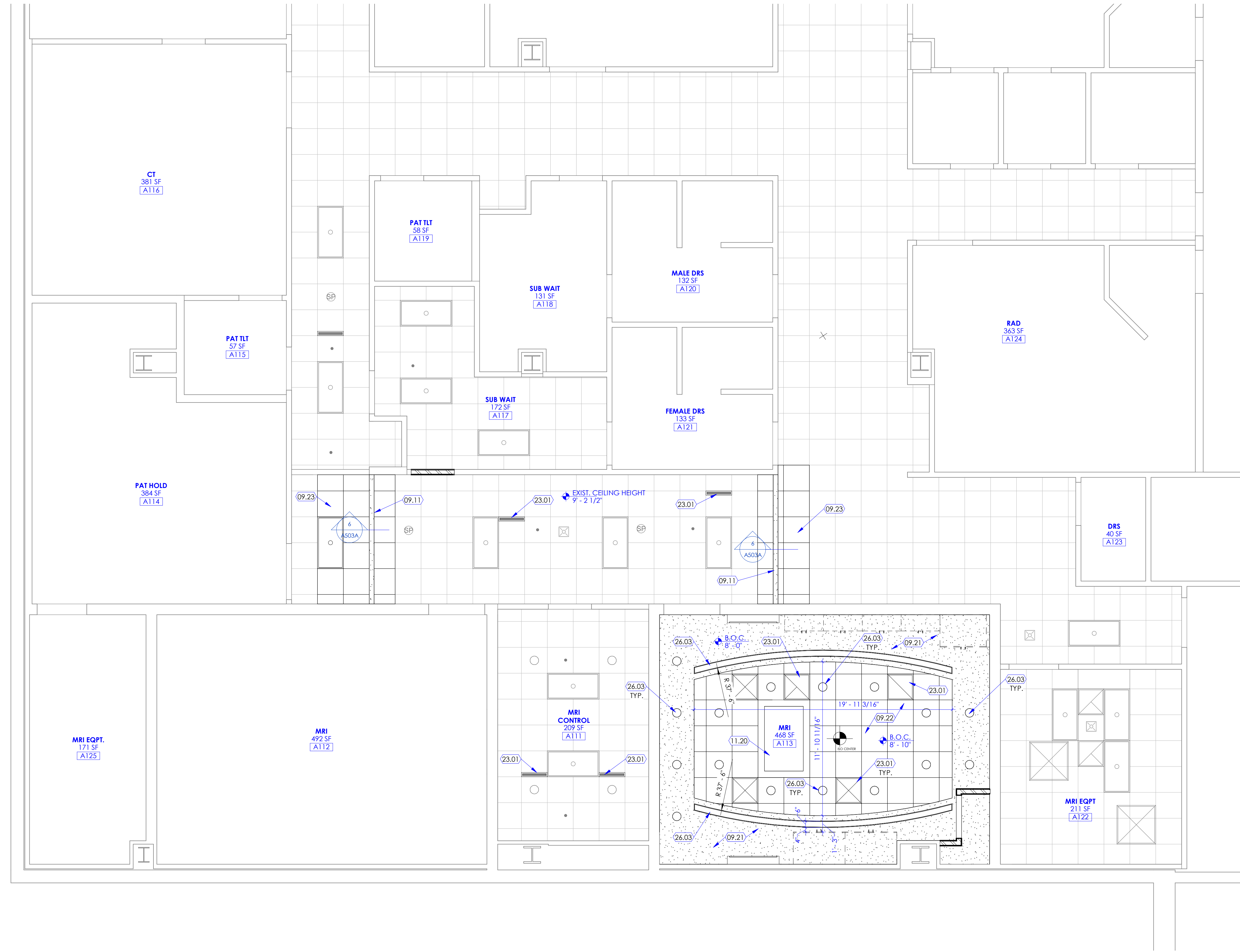
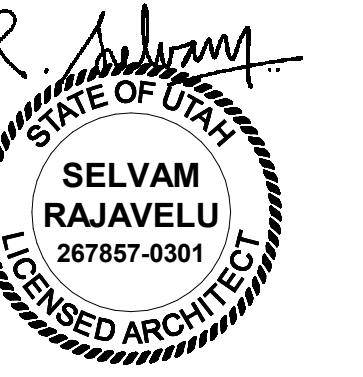
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Floor Plan Level 1

A113

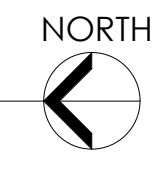
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- KEYED NOTES**
- 09.11 GYPSUM BOARD HEADER. SEE DETAIL 6/A503A UNLESS NOTED OTHERWISE WITH A SEPARATE SPECIFIC DETAIL.
 - 09.21 PAINTED GYPSUM BOARD CEILING. SEE DETAIL 1/A506B.
 - 09.22 2'X2' ACOUSTICAL PANEL CEILING TILES AND GRID SYSTEM. BASIS OF DESIGN: ARMSTRONG HEALTH ZONE ULTIMA TILES. SEE CEILING DETAILS ON SHEET A503A.
 - 09.23 MODIFY AND RE-INSTALL REMOVED CEILING TILES AND GRID SYSTEM AFTER ABOVE CEILING WORK IS COMPLETED.
 - 11.20 CEILING MOUNTED HD IMAGE DISPLAY INSTALLED IN THE GYPSUM HEADER FRAMING. DISPLAY PROVIDED BY OWNERS VENDOR PDC CARING SUITE. INSTALLED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 - 23.01 MECHANICAL DIFFUSER OR GRILLE. SEE MECHANICAL DRAWINGS.
 - 26.03 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS. SEE EQUIPMENT 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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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



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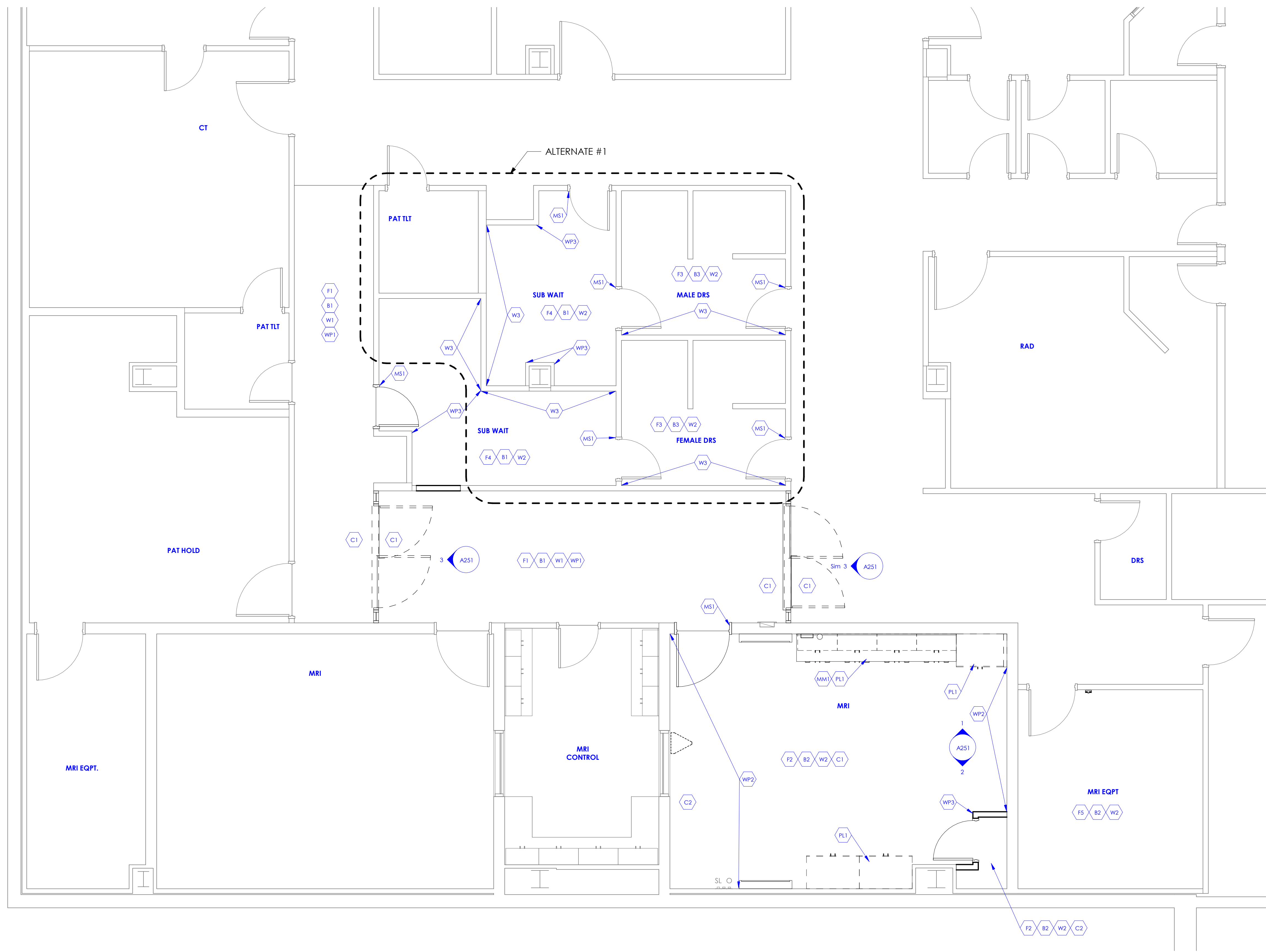
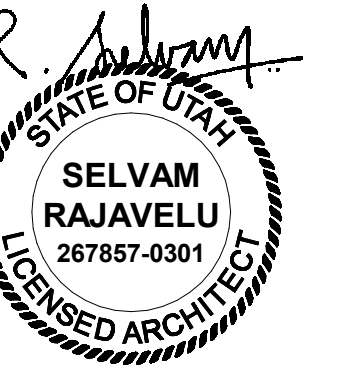
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 1 Addendum 01 Feb. 14, 2023
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Reflected Ceiling Plan Level 1

A116

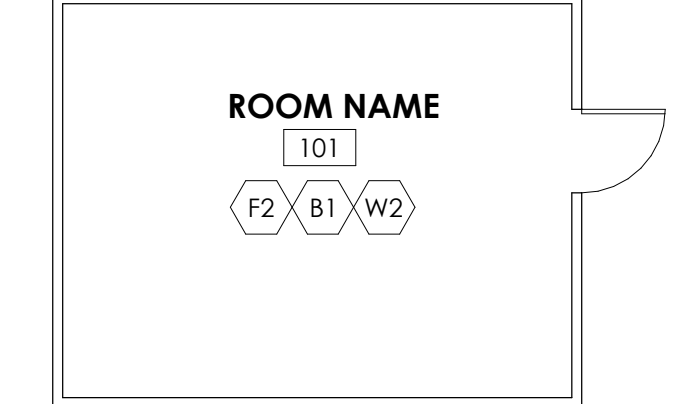
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KEYED NOTES

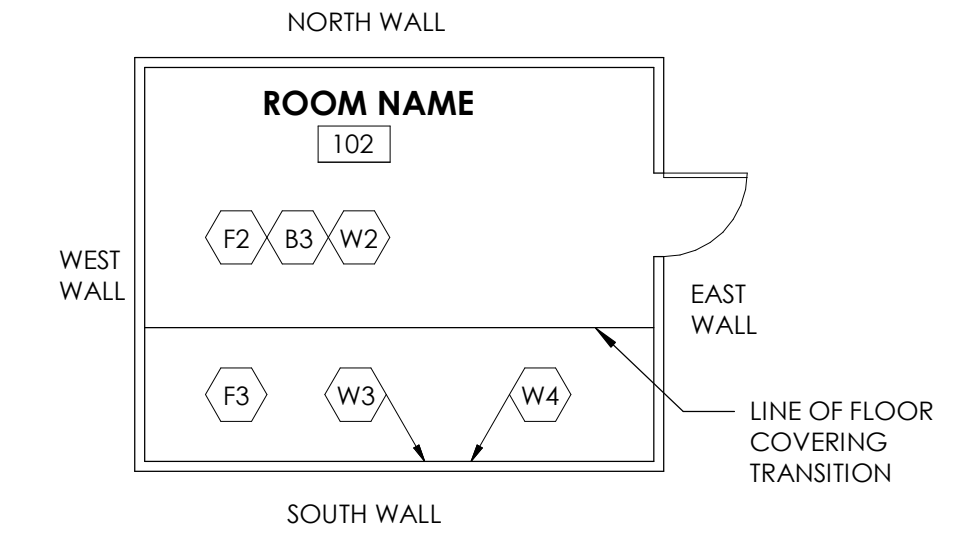
SAMPLE LAYOUTS

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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

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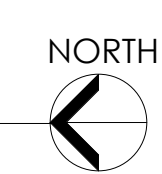
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Finish Plan
 Level 1 -
 Overall

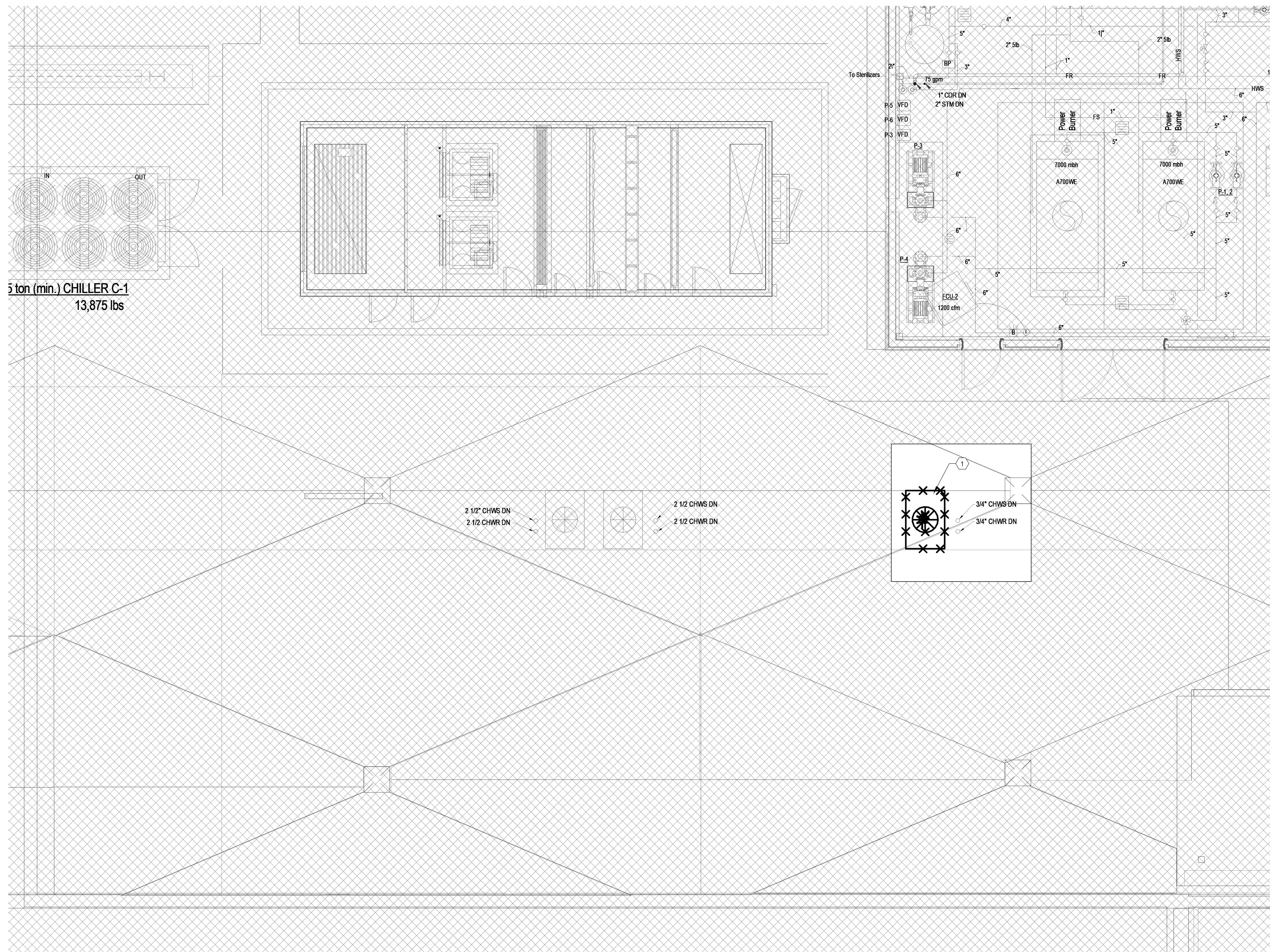
A117

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



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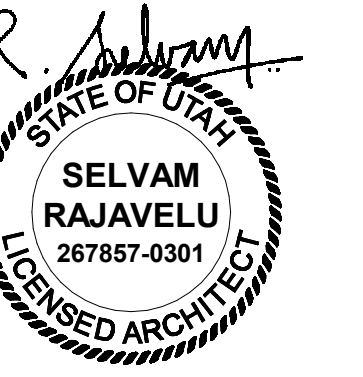
1 ROOF LEVEL MECHANICAL DEMOLITION PLAN
 MD102 1/4" = 1'-0"

KEYED NOTES

1. PATCH AND REPAIR ROOF AFTER REMOVAL OF EXISTING ROOF TOP CHILLER UNIT. REPAIR TO MATCH WITH ADJACENT EXISTING ROOF SYSTEM FOR COMPLETE WATER PROOF SYSTEM. FIELD VERIFY AND SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.



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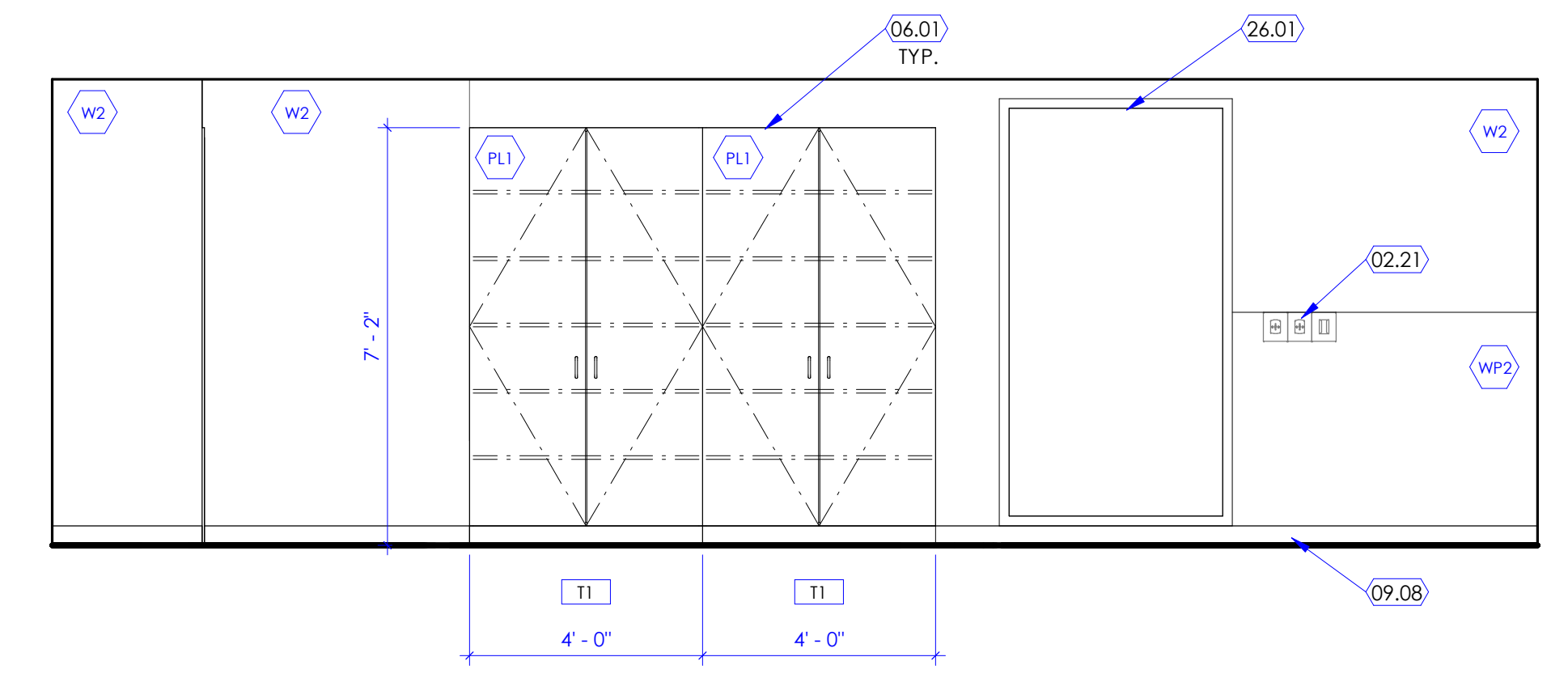
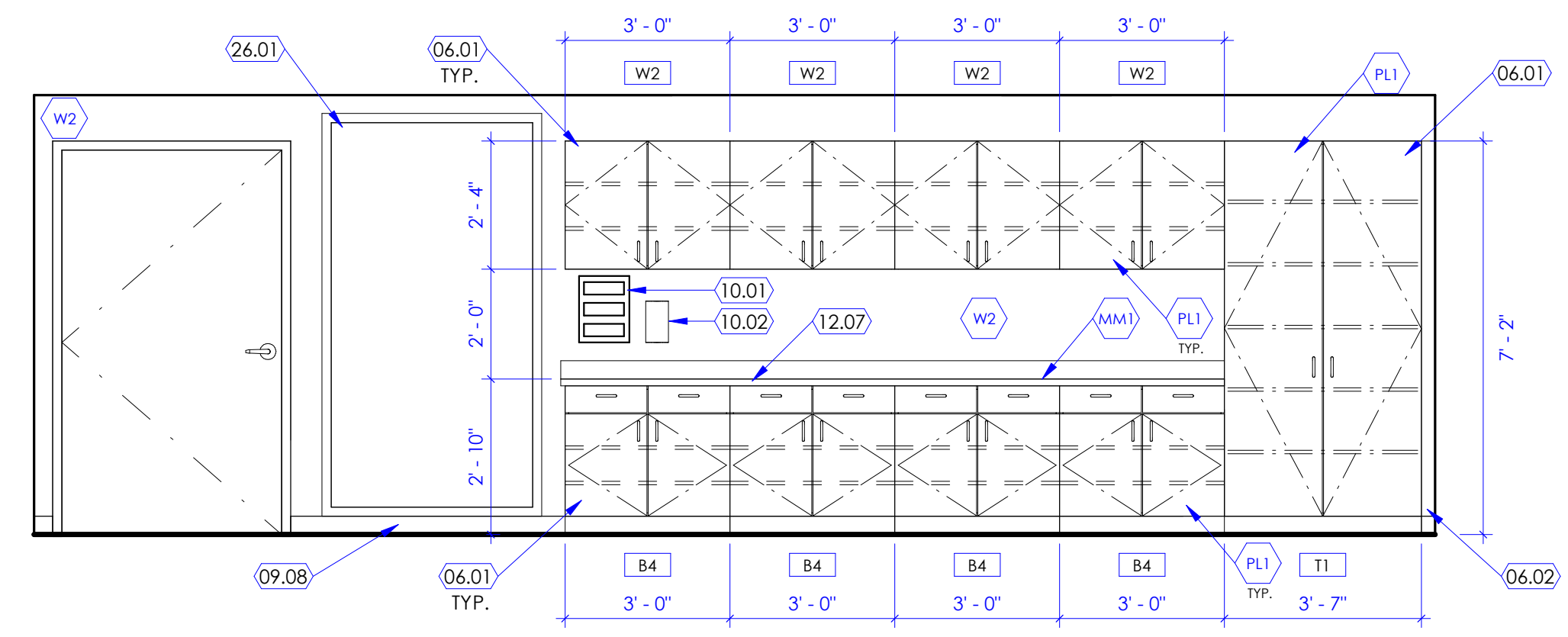
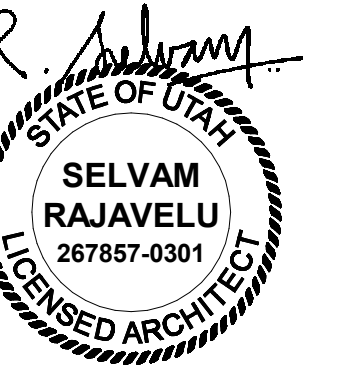
NJRA Project # 22230.00
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GENERAL NOTES

- SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.
- SEE SHEET A505A FOR CABINET LEGEND.
- SEE SHEET A601A FOR DOOR SCHEDULE.
- SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

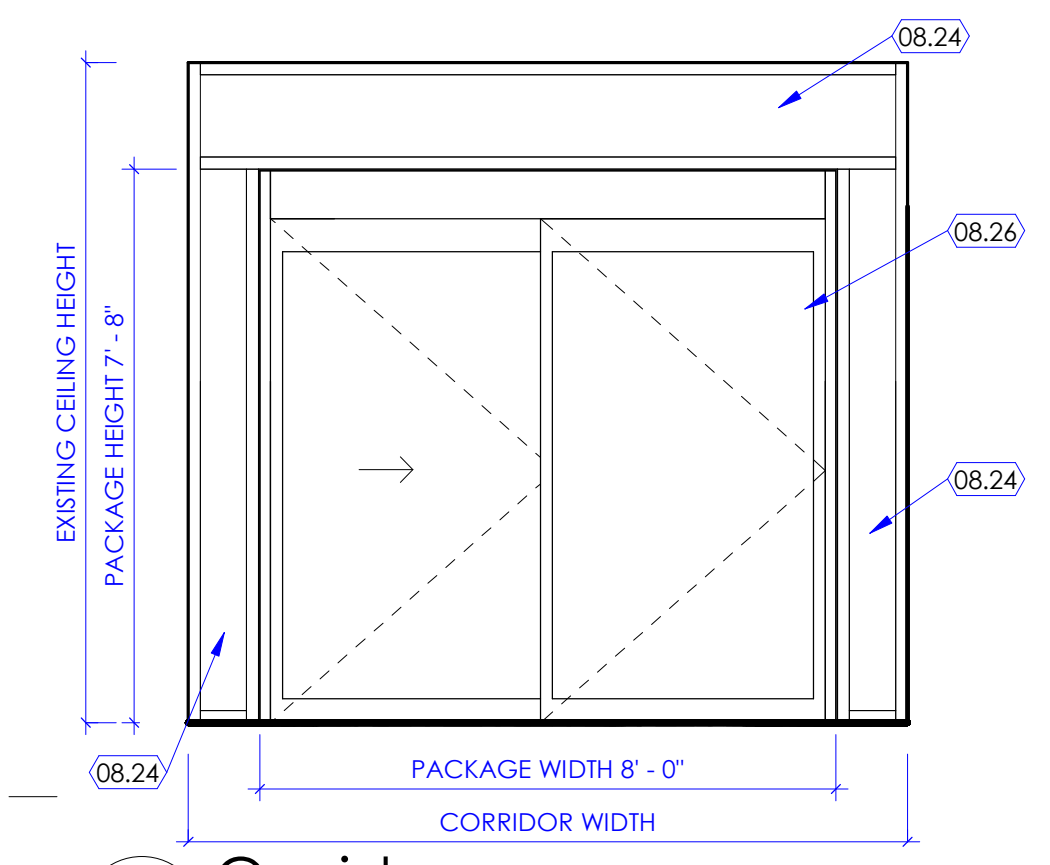
Roof Plan
 Level 1 -
 Overall

A119



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

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



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

KEYED NOTES

- 02.21 MED GAS OUTLET, EXISTING TO REMAIN, PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 06.01 CABINET, SEE CABINET LEGEND ON SHEET 1/A505A, AND INTERIOR ELEVATIONS, FOR CABINET TYPES SUCH AS BASE CABINETS, WALL CABINETS, TALL CABINETS, ETC.
- 06.02 FILLER PANEL, PLASTIC LAMINATE WRAPPED OVER 3/4" PARTICLE BOARD, PROVIDE FILLER PANEL BETWEEN CABINETS AND BETWEEN CABINET AND WALL, TYPICAL.
- 08.24 ALUMINUM-FRAMED STOREFRONT SYSTEM, WINDOW SYSTEM SHALL BE 2" X 4 1/2" TYPE FRAMES, GLAZING SHALL BE LOCATED CENTERED IN THE FRAME, FRAMES SHALL CLEAR ANODIZED.
- 08.26 AUTOMATIC SLIDING ALUMINUM AND GLASS DOOR ENTRANCE WITH BREAKOUT FUNCTIONALITY, STANLEY DURAGLIDE 3000 SERIES AS BASIS OF DESIGN.
- 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.
- 10.01 GLOVES DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 10.02 EMESIS BAG DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 12.07 COUNTERTOP, MONOLITHIC MATERIAL (SOLID SURFACE)
- 26.01 ILLUMINATED WALL FIXTURE, SEE ELECTRICAL DRAWINGS, SEE EQUIPMENT 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 A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

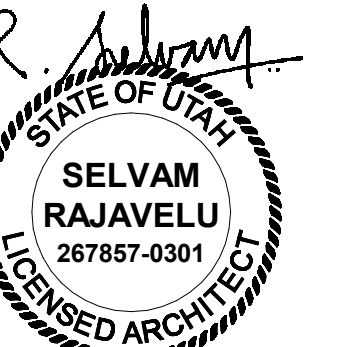
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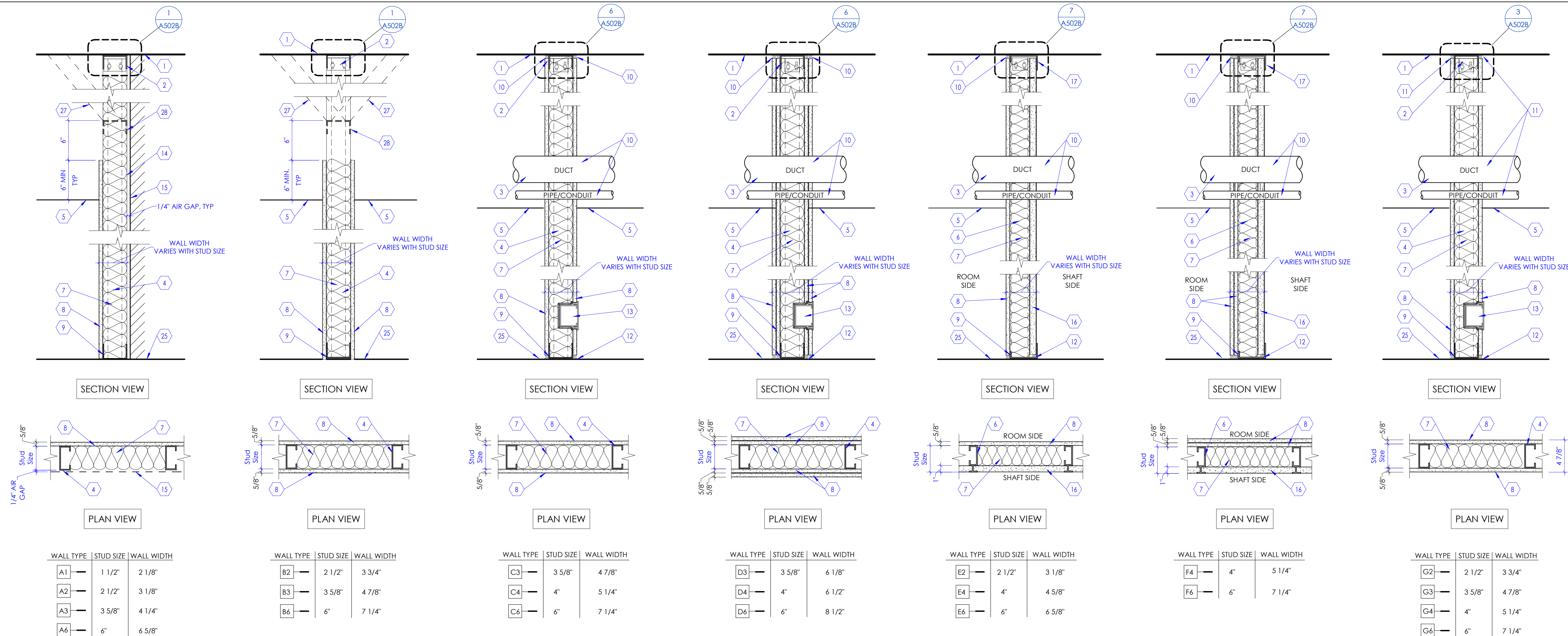
Interior Elevations

A251



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 9 / A502B
- STUD FRAMING AROUND DUCT OPENINGS. SEE DETAIL 11 / A502A
- METAL STUDS, 20 GA STRUCTURAL (35 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 STRUCTURAL 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, Z 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 STRUCTURAL (35 MIL) 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.



Type - A
Metal Stud
Furring Wall

Type - B
Typical Metal
Stud Wall

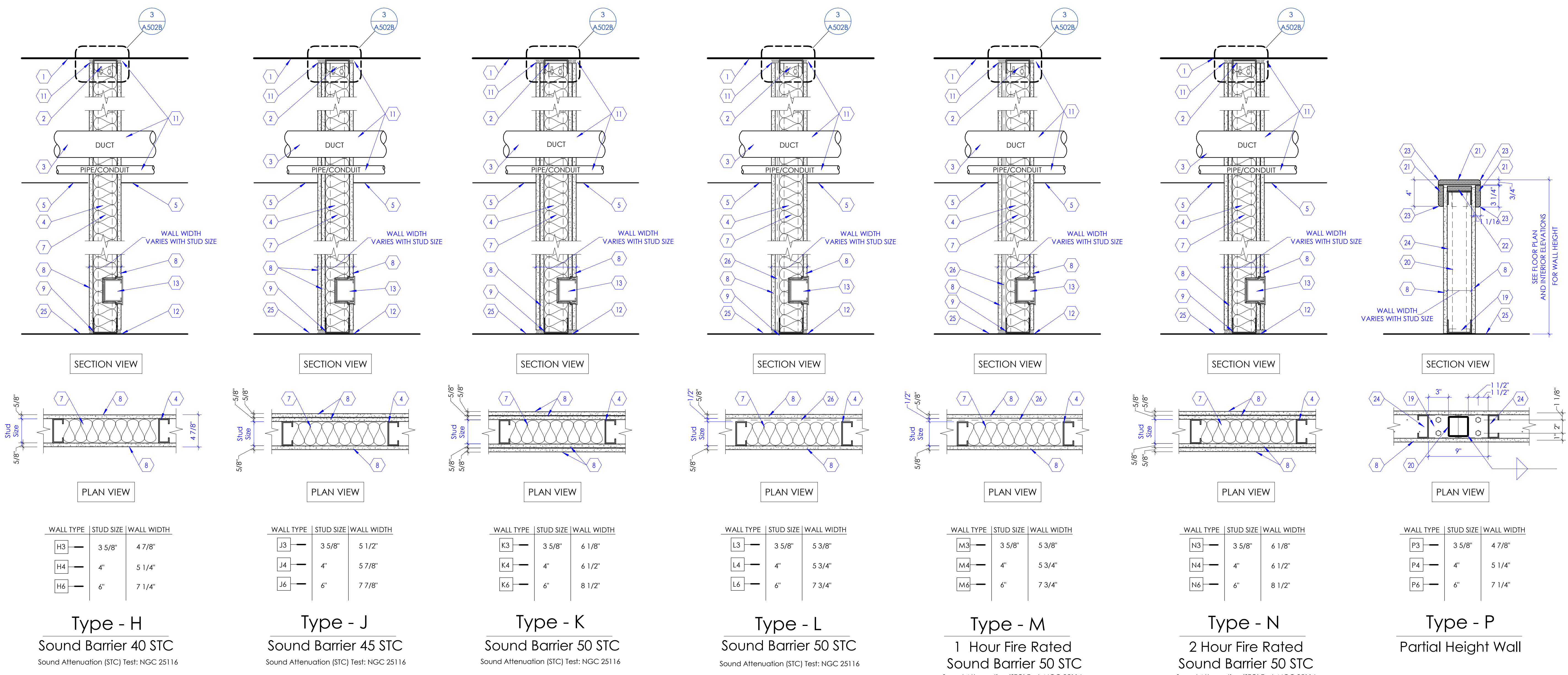
Type - C
1 Hour Fire Rated
UL DESIGN #: U465

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



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

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"

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 8 / 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 8 / A502A
- 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 Healthcare
Utah Valley Regional Medical Center
MRI Replacement

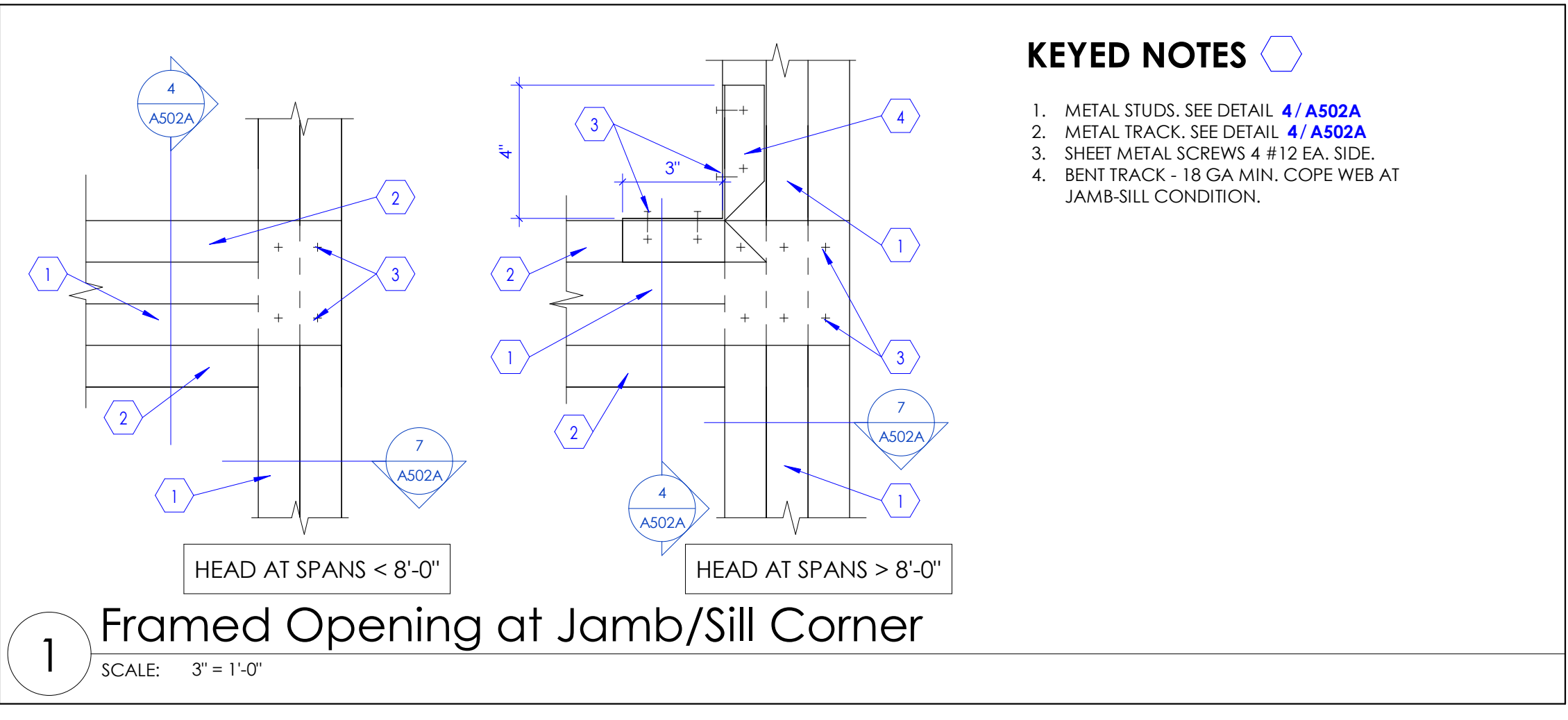
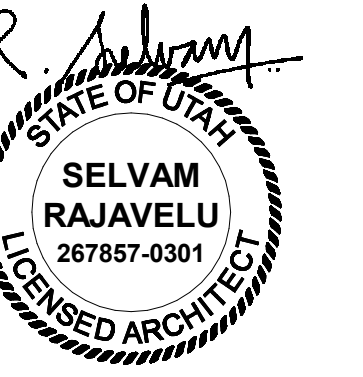
1034 North 500 W
Provo, Utah 84604

NJRA Project # 22220.00
Conformed Set Feb. 23, 2023

Wall Types

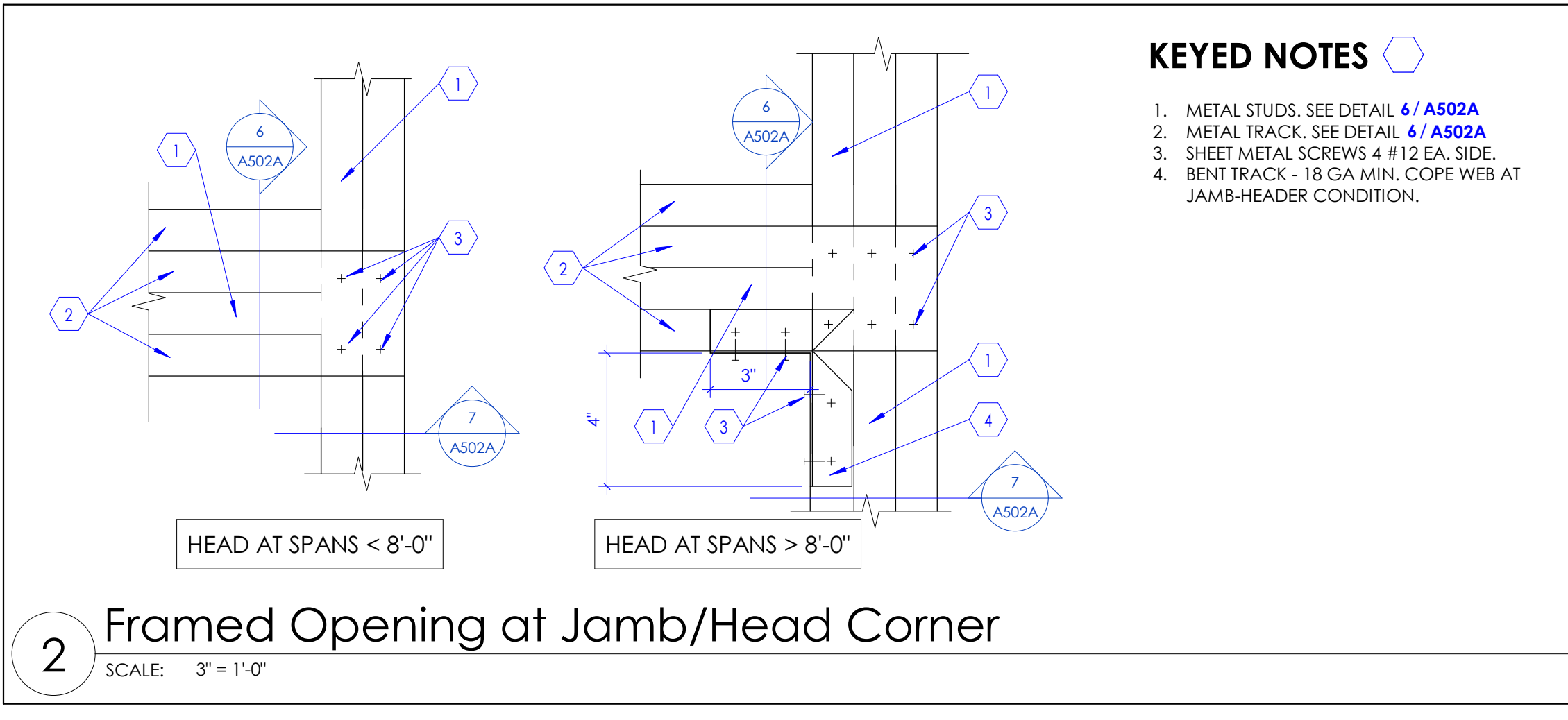
A501A

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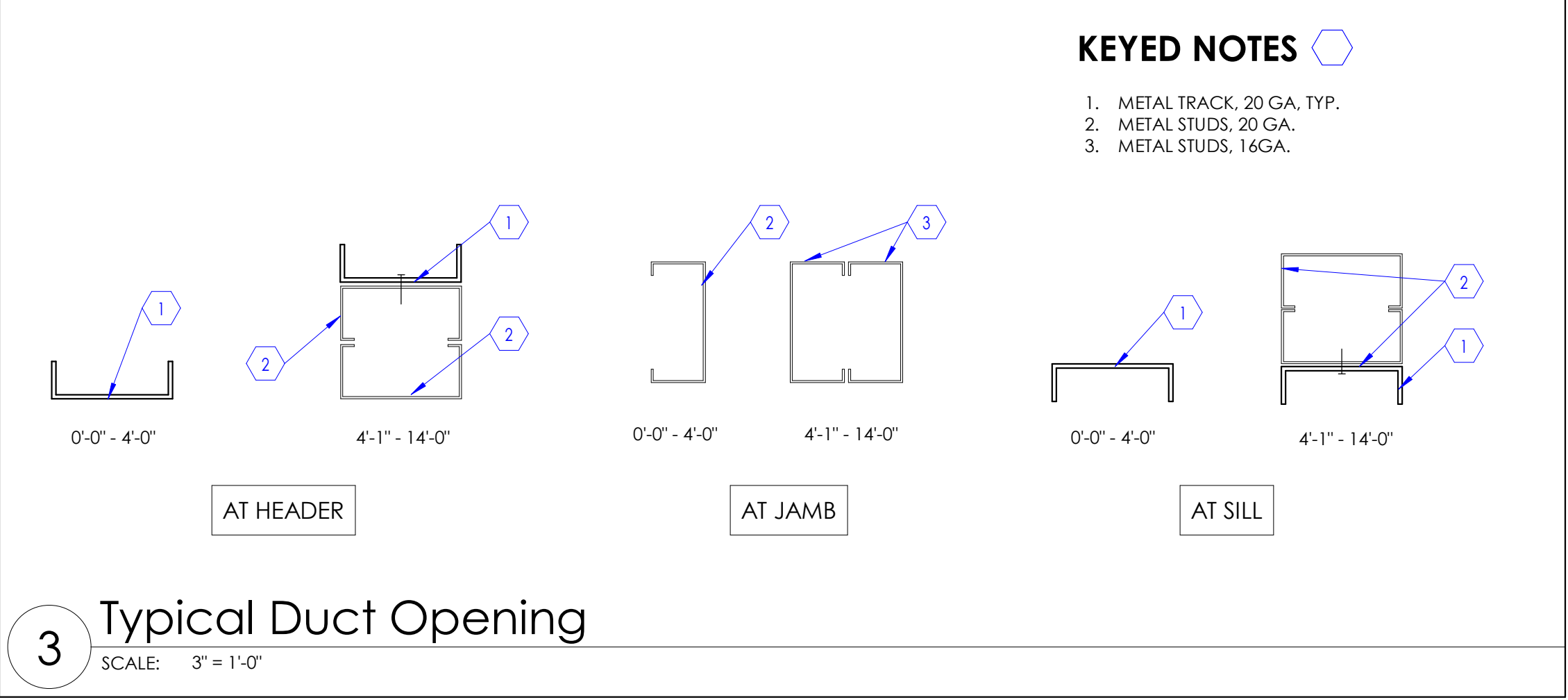
- KEYED NOTES**
- METAL STUDS, SEE DETAIL 4/A502A
 - METAL TRACK, SEE DETAIL 4/A502A
 - SHEET METAL SCREWS #12 EA, SIDE
 - BENT TRACK - 18 GA MIN. COPE WEB AT JAMB-SILL CONDITION.

1 Framed Opening at Jamb/Sill Corner
SCALE: 3" = 1'-0"



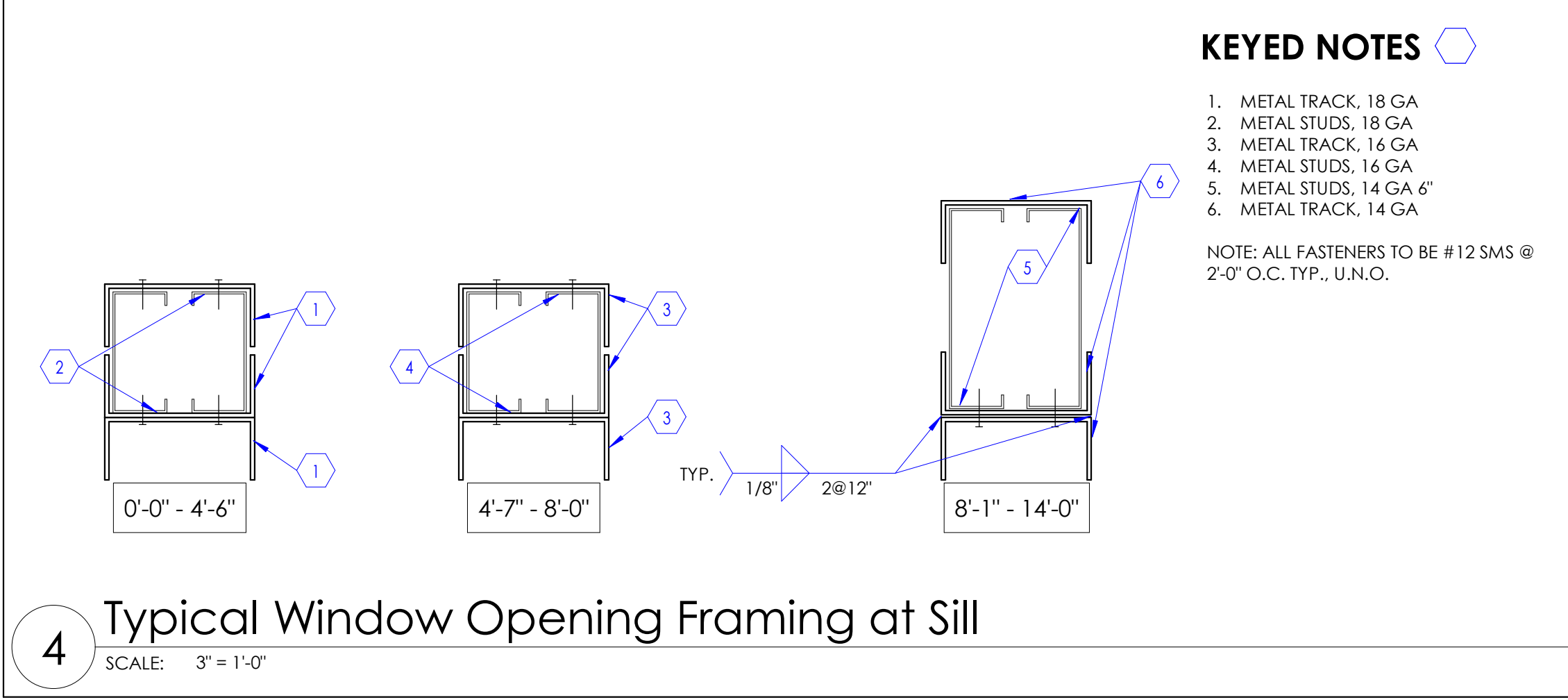
- KEYED NOTES**
- METAL STUDS, SEE DETAIL 6/A502A
 - METAL TRACK, SEE DETAIL 6/A502A
 - SHEET METAL SCREWS #12 EA, SIDE
 - BENT TRACK - 18 GA MIN. COPE WEB AT JAMB-HEADER CONDITION.

2 Framed Opening at Jamb/Head Corner
SCALE: 3" = 1'-0"



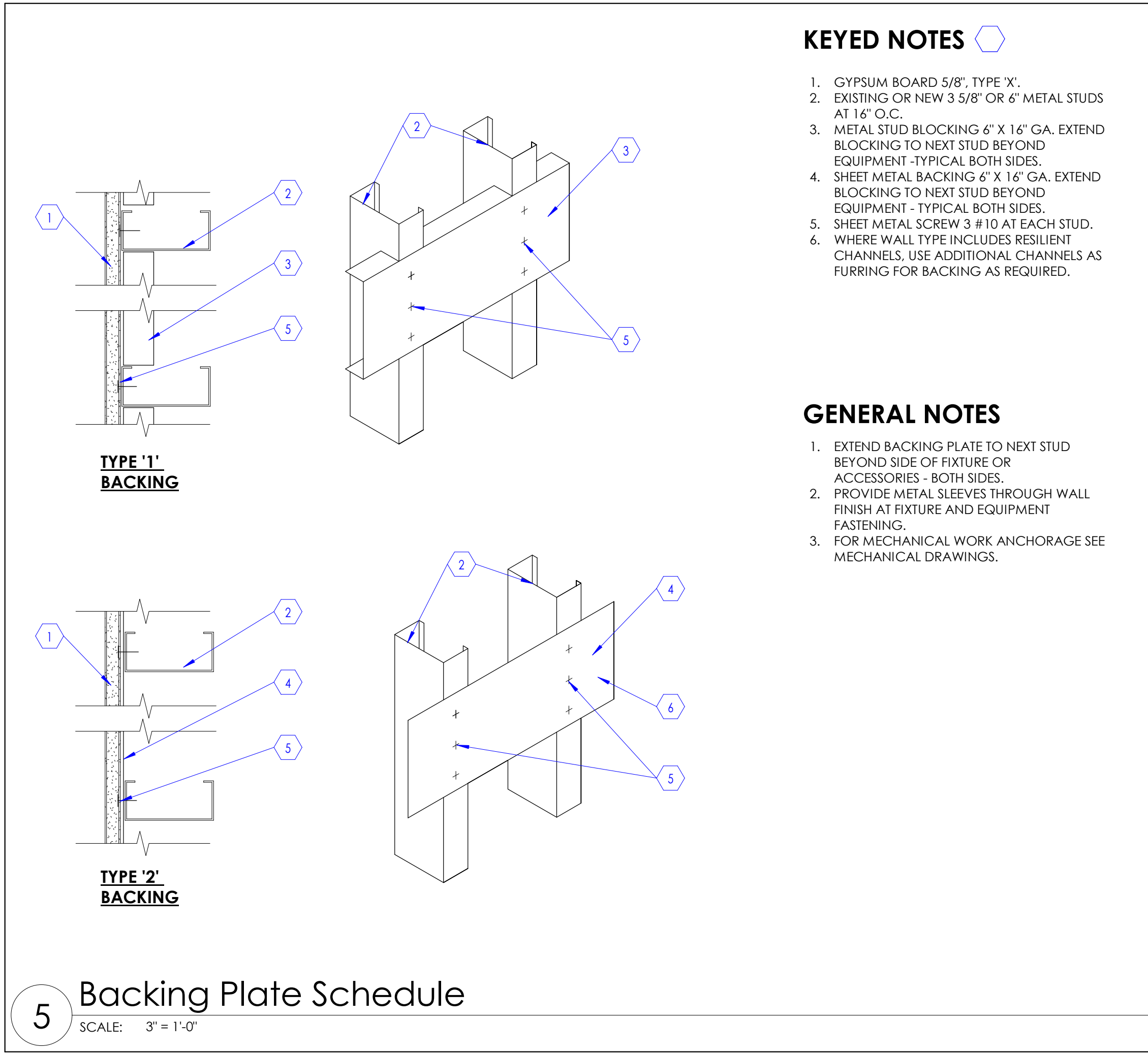
- KEYED NOTES**
- METAL TRACK, 20 GA, TYP.
 - METAL STUDS, 20 GA.
 - METAL STUDS, 16GA.

3 Typical Duct Opening
SCALE: 3" = 1'-0"



- KEYED NOTES**
- METAL TRACK, 18 GA
 - METAL STUDS, 18 GA
 - METAL TRACK, 16 GA
 - METAL STUDS, 16 GA
 - METAL STUDS, 14 GA 6"
 - METAL TRACK, 14 GA
- NOTE: ALL FASTENERS TO BE #12 SMS @ 2'-0" O.C. TYP., U.N.O.

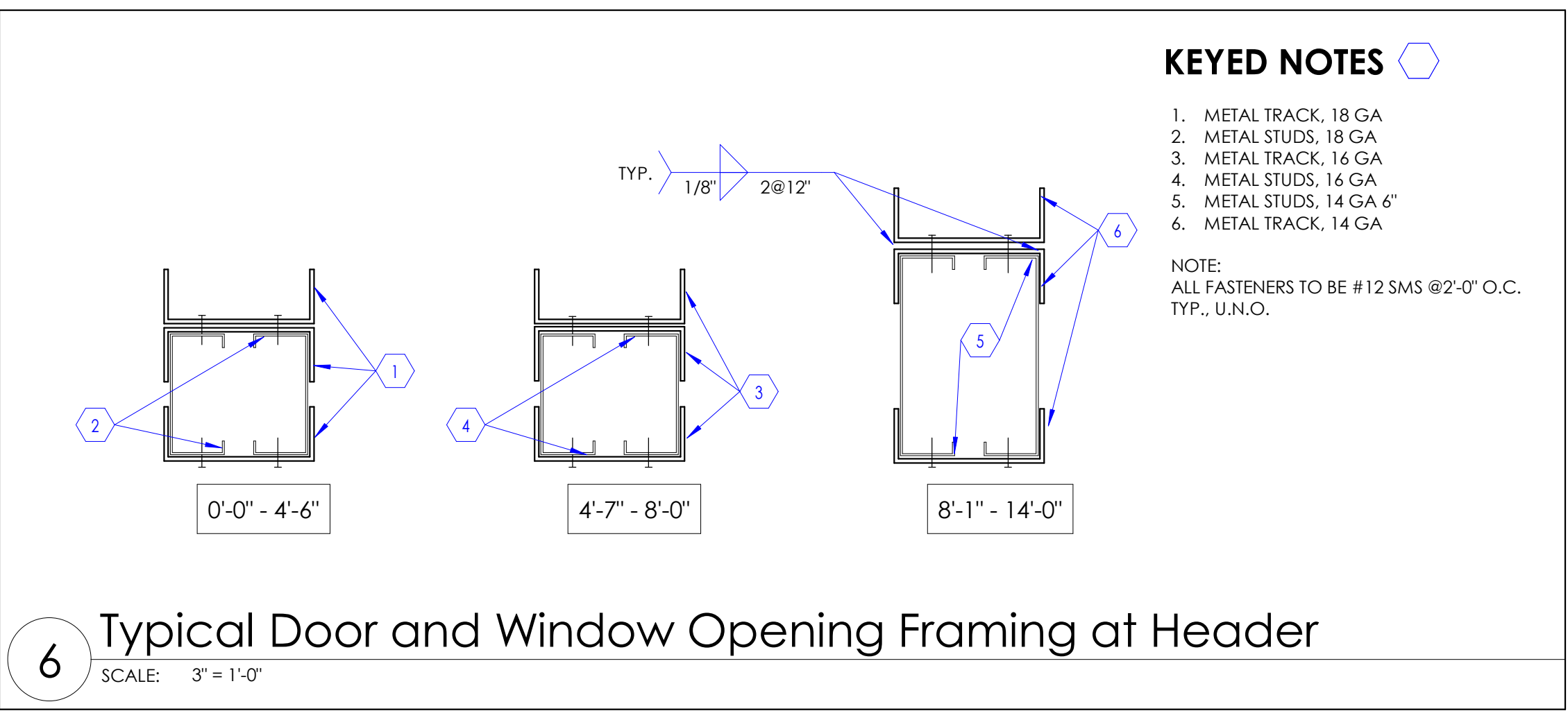
4 Typical Window Opening Framing at Sill
SCALE: 3" = 1'-0"



- KEYED NOTES**
- GYPSUM BOARD 5/8" TYPE 'X'
 - EXISTING OR NEW 3 5/8" OR 6" METAL STUDS AT 16" O.C.
 - METAL STUD BLOCKING 6" X 16" GA. EXTEND BLOCKING TO NEXT STUD BEYOND EQUIPMENT - TYPICAL BOTH SIDES.
 - SHEET METAL BACKING 6" X 12" GA. EXTEND BLOCKING TO NEXT STUD BEYOND EQUIPMENT - TYPICAL BOTH SIDES.
 - SHEET METAL SCREW #10 AT EACH STUD.
 - WHERE WALL TYPE INCLUDES RESILIENT CHANNELS, USE ADDITIONAL CHANNELS AS FURRING FOR BACKING AS REQUIRED.

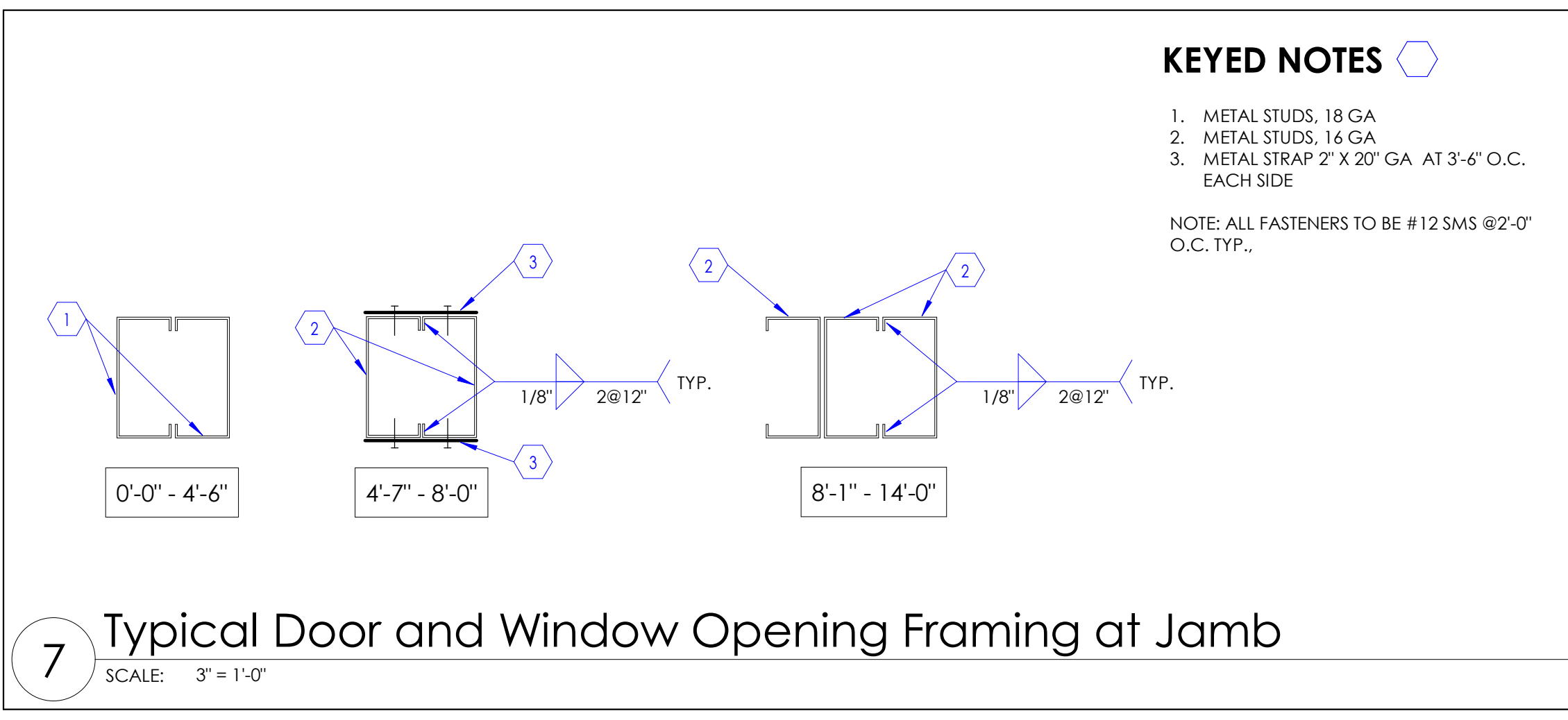
- GENERAL NOTES**
- EXTEND BACKING PLATE TO NEXT STUD BEYOND SIDE OF FIXTURE OR ACCESSORIES - BOTH SIDES.
 - PROVIDE METAL SLEEVES THROUGH WALL FINISH AT FIXTURE AND EQUIPMENT FASTENING.
 - FOR MECHANICAL WORK, ANCHORAGE SEE MECHANICAL DRAWINGS.

5 Backing Plate Schedule
SCALE: 3" = 1'-0"



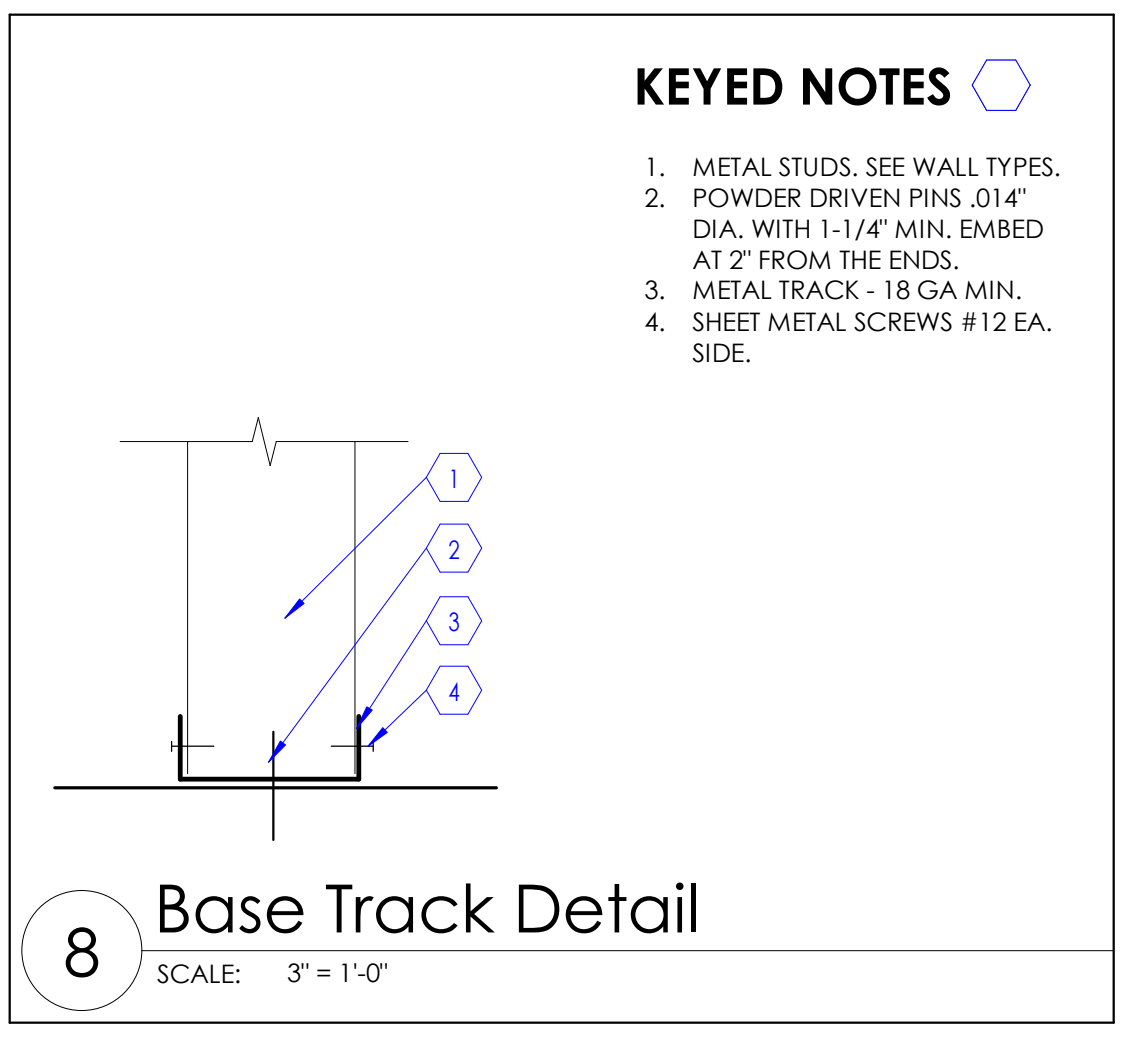
- KEYED NOTES**
- METAL TRACK, 18 GA
 - METAL STUDS, 18 GA
 - METAL TRACK, 16 GA
 - METAL STUDS, 16 GA
 - METAL STUDS, 14 GA 6"
 - METAL TRACK, 14 GA
- NOTE: ALL FASTENERS TO BE #12 SMS @ 2'-0" O.C. TYP., U.N.O.

6 Typical Door and Window Opening Framing at Header
SCALE: 3" = 1'-0"



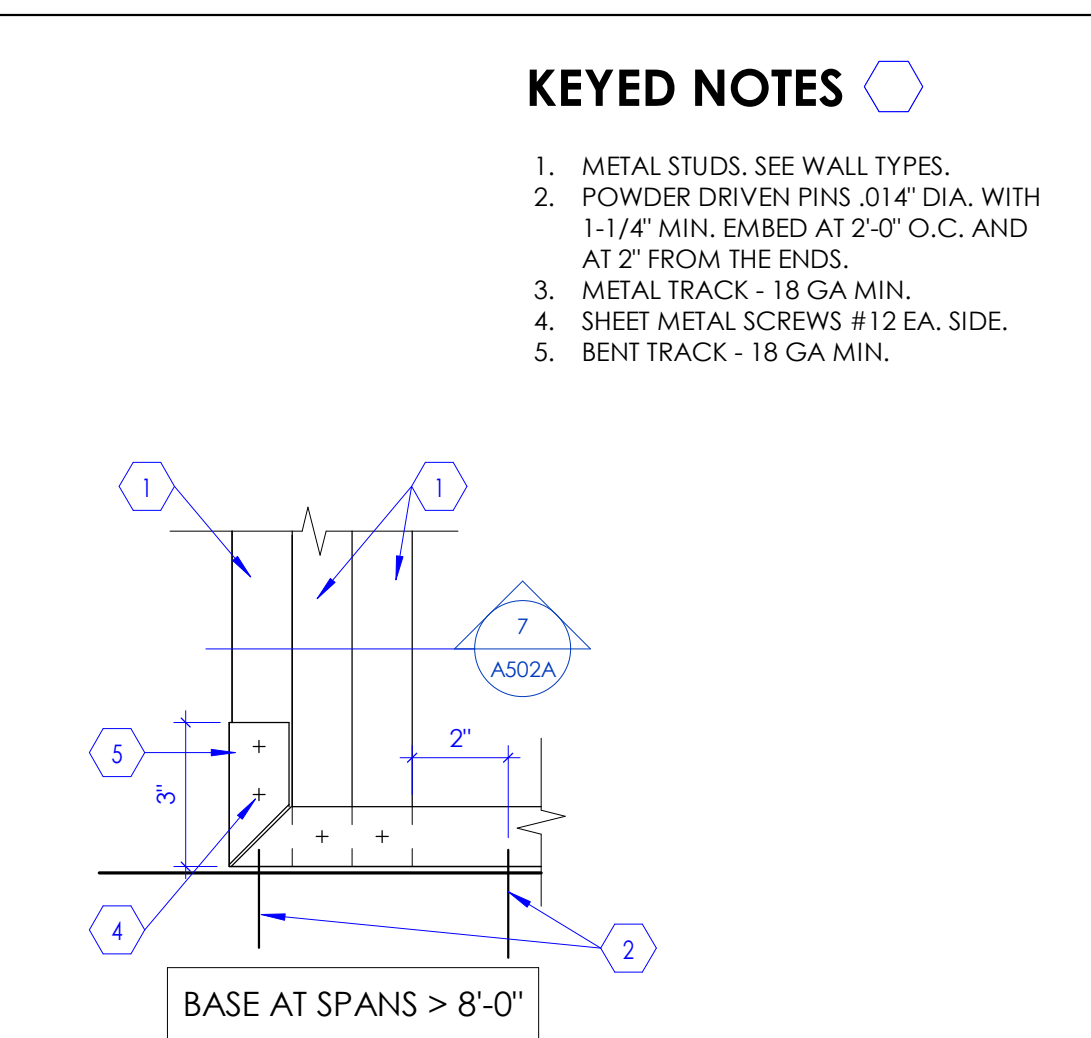
- KEYED NOTES**
- METAL STUDS, 18 GA
 - METAL STUDS, 16 GA
 - METAL STRAP 2" X 20" GA. AT 3'-6" O.C. EACH SIDE
- NOTE: ALL FASTENERS TO BE #12 SMS @ 2'-0" O.C. TYP., U.N.O.

7 Typical Door and Window Opening Framing at Jamb
SCALE: 3" = 1'-0"



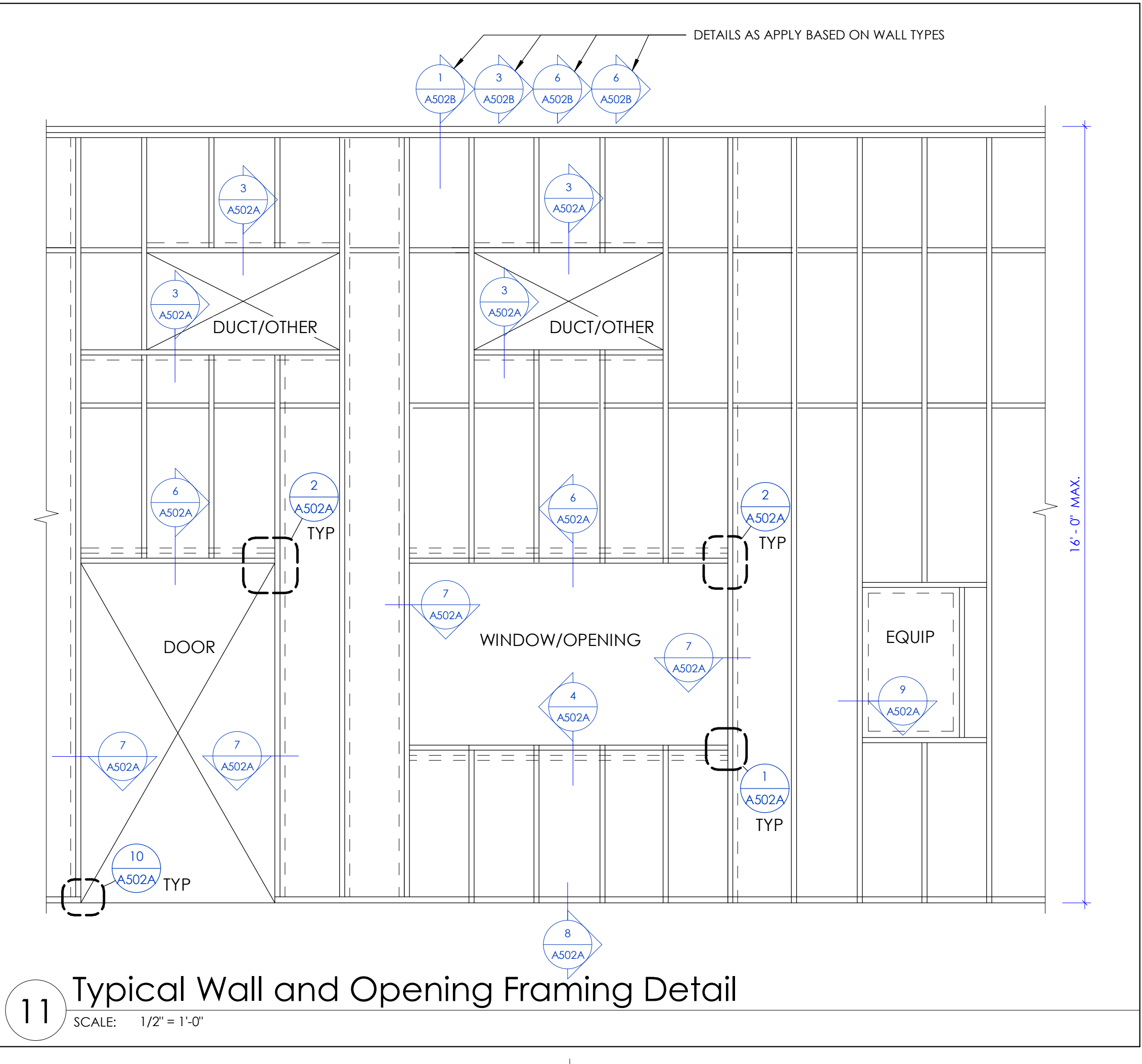
- KEYED NOTES**
- METAL STUDS, SEE WALL TYPES.
 - POWDER DRIVEN PINS .014" DIA. WITH 1-1/4" MIN. EMBED AT 2" FROM THE ENDS.
 - METAL TRACK - 18 GA MIN.
 - SHEET METAL SCREWS #12 EA, SIDE.

8 Base Track Detail
SCALE: 3" = 1'-0"

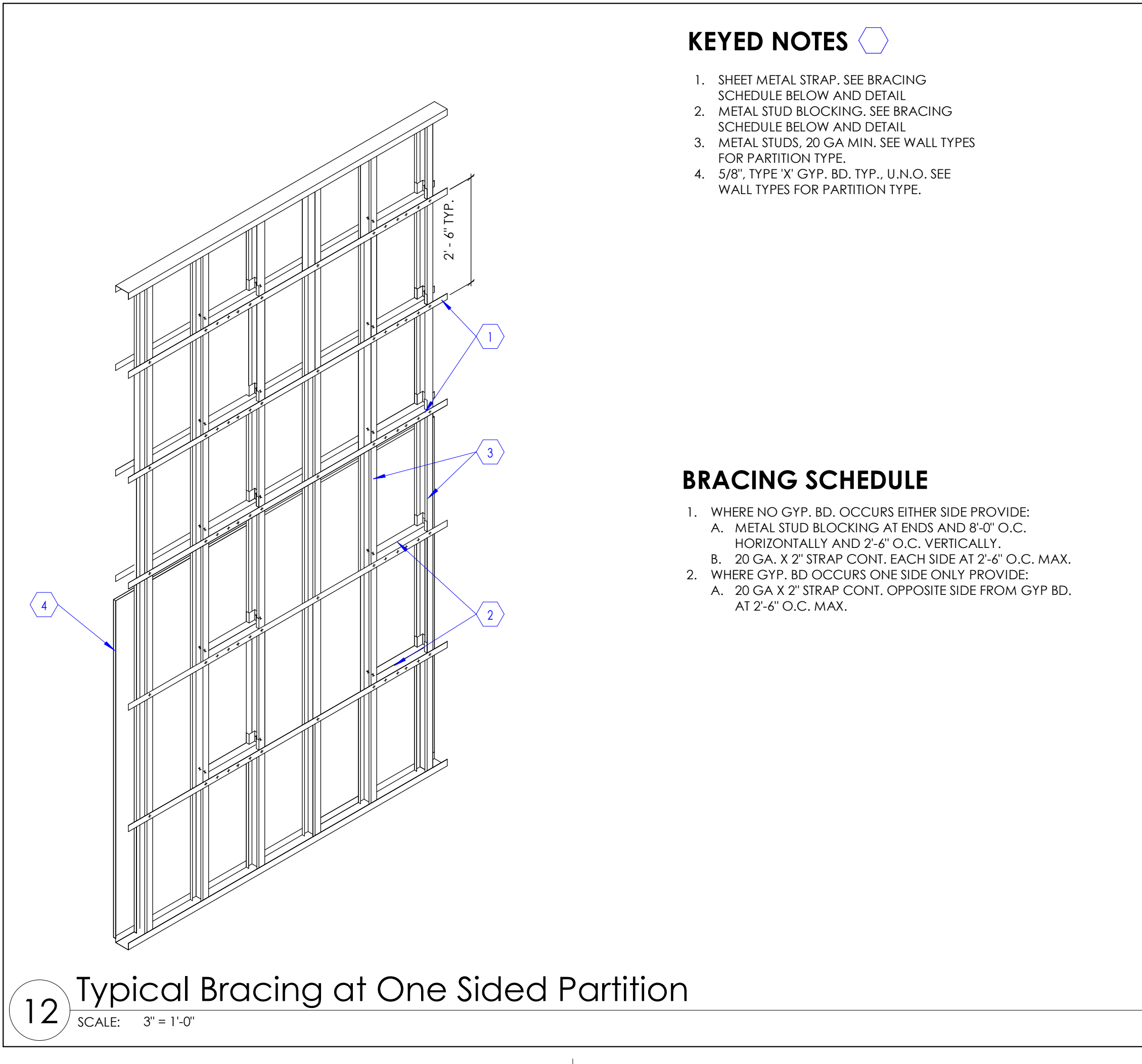


- KEYED NOTES**
- METAL STUDS, SEE WALL TYPES.
 - POWDER DRIVEN PINS .014" DIA. WITH 1-1/4" MIN. EMBED AT 2'-0" O.C. AND AT 2" FROM THE ENDS.
 - METAL TRACK - 18 GA MIN.
 - SHEET METAL SCREWS #12 EA, SIDE.
 - BENT TRACK - 18 GA MIN.

10 Framed Opening at Jamb
SCALE: 3" = 1'-0"



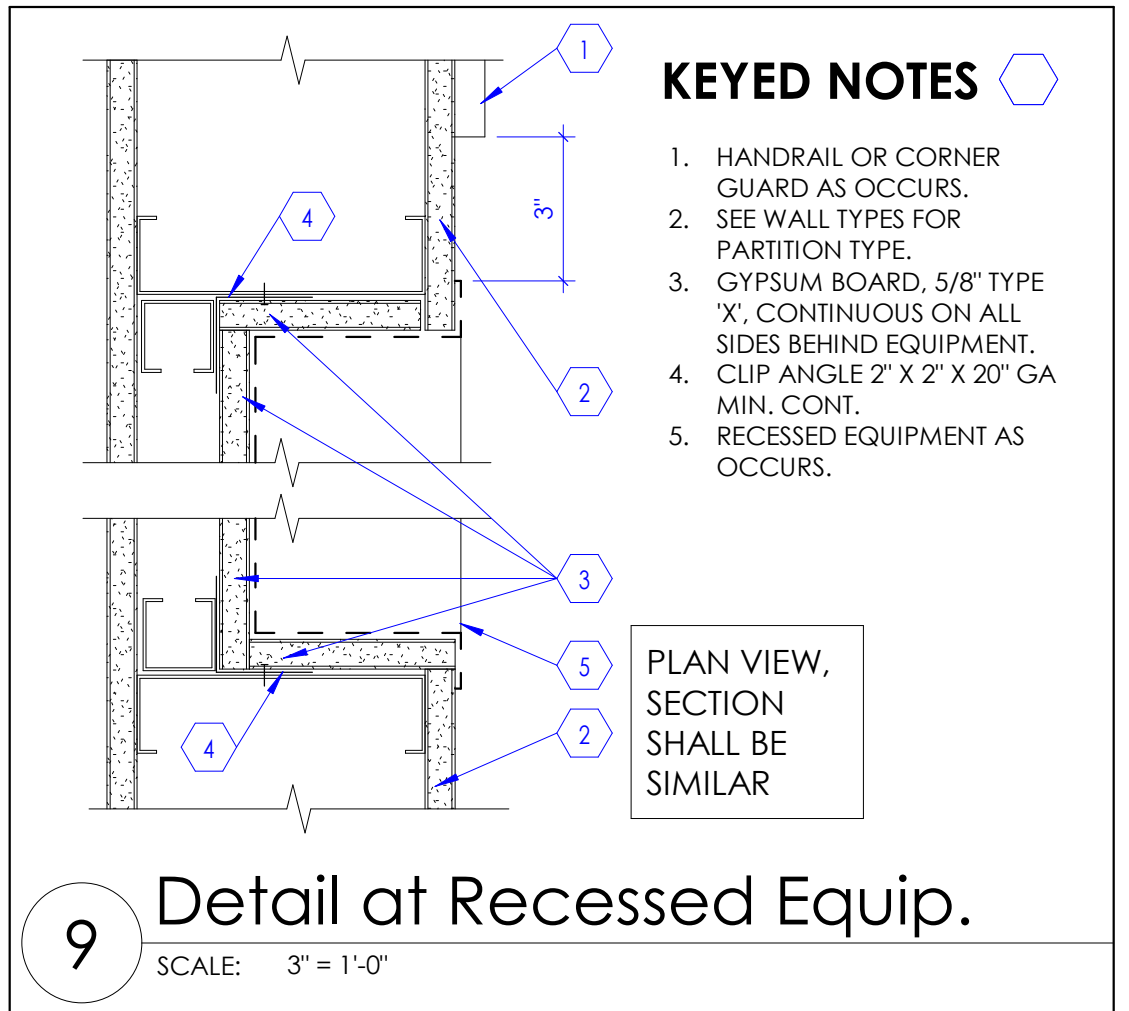
11 Typical Wall and Opening Framing Detail
SCALE: 1/2" = 1'-0"



- KEYED NOTES**
- SHEET METAL STRAP, SEE BRACING SCHEDULE BELOW AND DETAIL
 - METAL STUD BLOCKING, SEE BRACING SCHEDULE BELOW AND DETAIL
 - METAL STUDS, 20 GA MIN. SEE WALL TYPES FOR PARTITION TYPE.
 - 5/8" TYPE 'X' GYP. BD, TYP., U.N.O. SEE WALL TYPES FOR PARTITION TYPE.

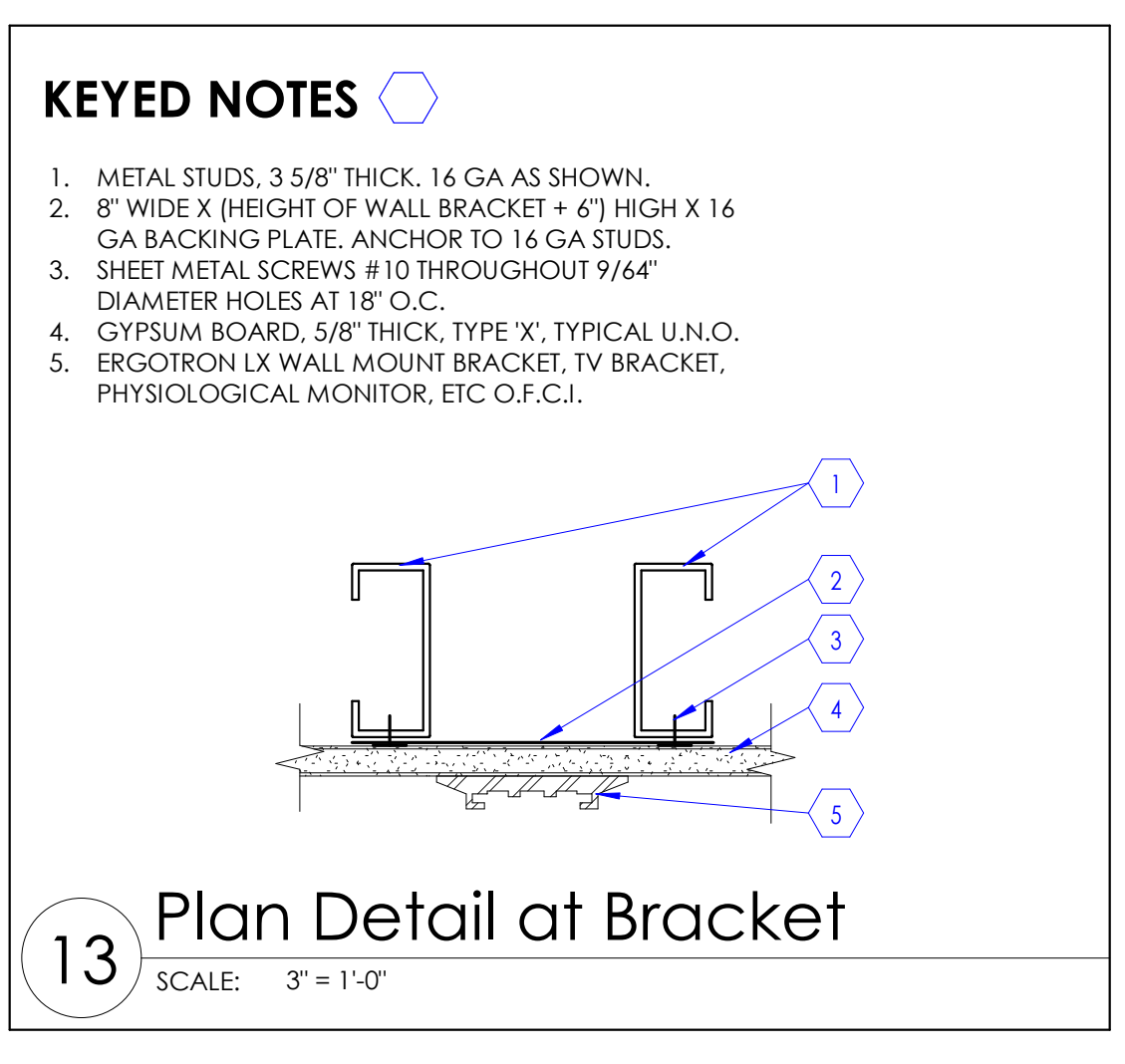
- BRACING SCHEDULE**
- WHERE NO GYP. BD. OCCURS EITHER SIDE PROVIDE:
 - METAL STUD BLOCKING AT ENDS AND 8'-0" O.C. HORIZONTALLY AND 2'-6" O.C. VERTICALLY.
 - 20 GA. X 2" STRAP CONT. EACH SIDE AT 2'-6" O.C. MAX.
 - WHERE GYP. BD OCCURS ONE SIDE ONLY PROVIDE:
 - 20 GA X 2" STRAP CONT. OPPOSITE SIDE FROM GYP BD. AT 2'-6" O.C. MAX.

12 Typical Bracing at One Sided Partition
SCALE: 3" = 1'-0"



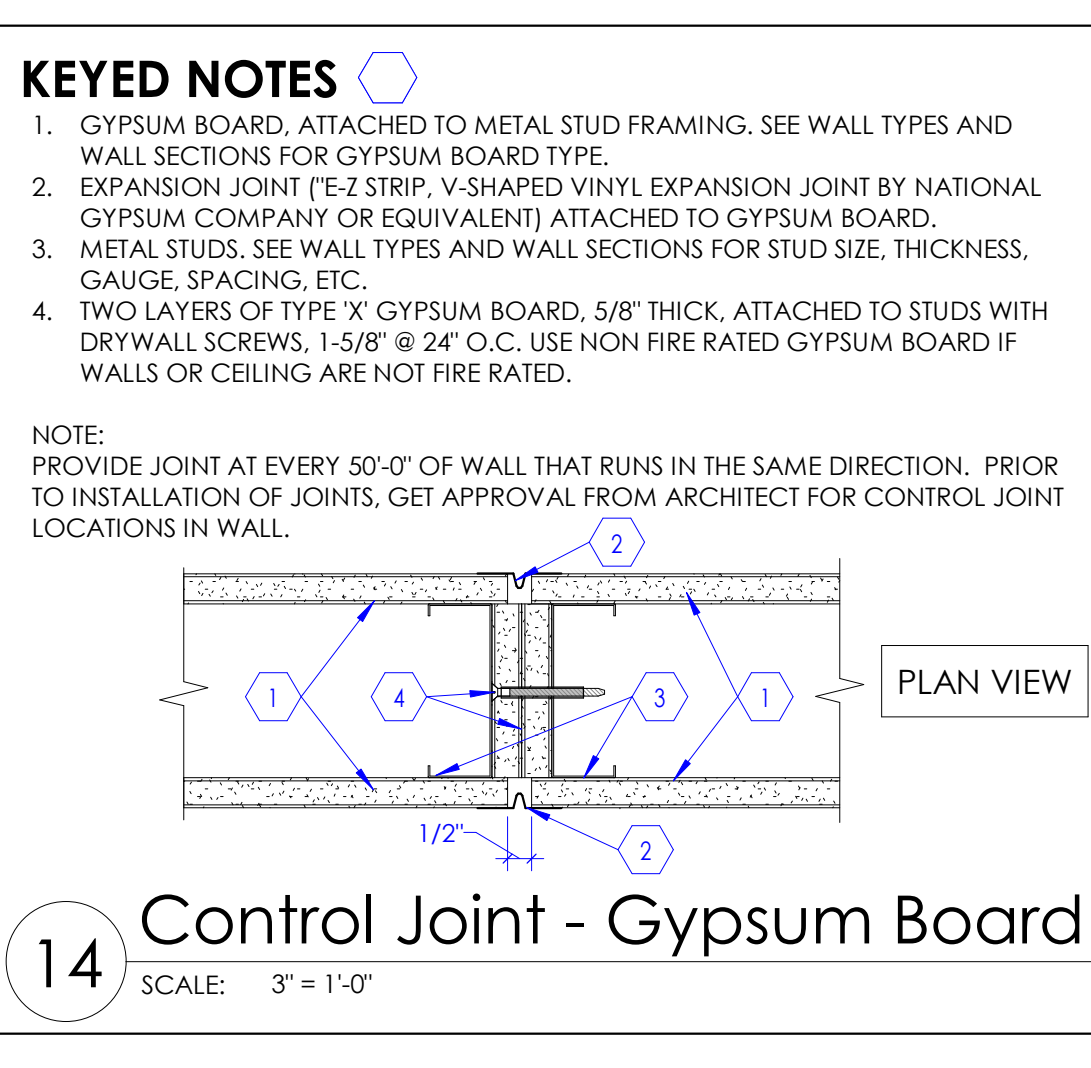
- KEYED NOTES**
- HANDRAIL OR CORNER GUARD AS OCCURS.
 - SEE WALL TYPES FOR PARTITION TYPE.
 - GYPSUM BOARD, 5/8" TYPE 'X', CONTINUOUS ON ALL SIDES BEHIND EQUIPMENT, CLIP ANGLE 2" X 2" X 20" GA MIN. CONT.
 - RECESSED EQUIPMENT AS OCCURS.
- PLAN VIEW, SECTION SHALL BE SIMILAR

9 Detail at Recessed Equip.
SCALE: 3" = 1'-0"



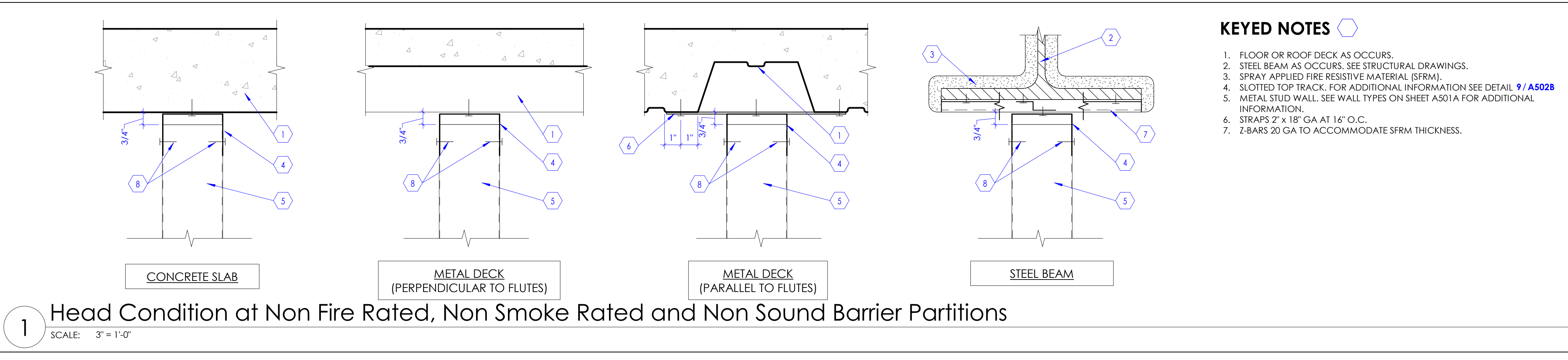
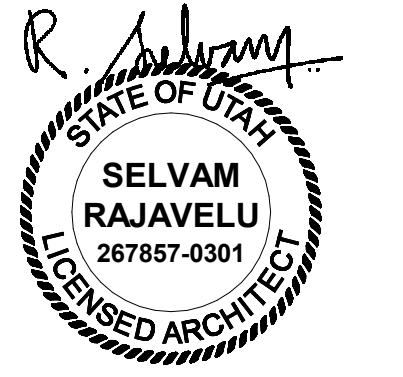
- KEYED NOTES**
- METAL STUDS, 3 5/8" THICK, 16 GA AS SHOWN.
 - 8" WIDE X (HEIGHT OF WALL BRACKET + 6") HIGH X 16 GA BACKING PLATE, ANCHOR TO 16 GA STUDS.
 - SHEET METAL SCREWS #10 THROUGHOUT 9/64" DIAMETER HOLES AT 18" O.C.
 - GYPSUM BOARD, 5/8" THICK, TYPE 'X', TYPICAL U.N.O. ERGOTRON LX WALL MOUNT BRACKET, TV BRACKET, PHYSIOLOGICAL MONITOR, ETC O.F.C.I.

13 Plan Detail at Bracket
SCALE: 3" = 1'-0"



- KEYED NOTES**
- GYPSUM BOARD, ATTACHED TO METAL STUD FRAMING. SEE WALL TYPES AND WALL SECTIONS FOR GYPSUM BOARD TYPE.
 - EXPANSION JOINT (E-Z STRIP, V-SHAPED VINYL EXPANSION JOINT BY NATIONAL GYPSUM COMPANY OR EQUIVALENT) ATTACHED TO GYPSUM BOARD.
 - METAL STUDS, SEE WALL TYPES AND WALL SECTIONS FOR STUD SIZE, THICKNESS, GAUGE, SPACING, ETC.
 - TWO LAYERS OF TYPE 'X' GYPSUM BOARD, 5/8" THICK, ATTACHED TO STUDS WITH DRYWALL SCREWS, 1-5/8" @ 24" O.C. USE NON FIRE RATED GYPSUM BOARD IF WALLS OR CEILING ARE NOT FIRE RATED.
- NOTE: PROVIDE JOINT AT EVERY 50'-0" OF WALL THAT RUNS IN THE SAME DIRECTION. PRIOR TO INSTALLATION OF JOINTS, GET APPROVAL FROM ARCHITECT FOR CONTROL JOINT LOCATIONS IN WALL.

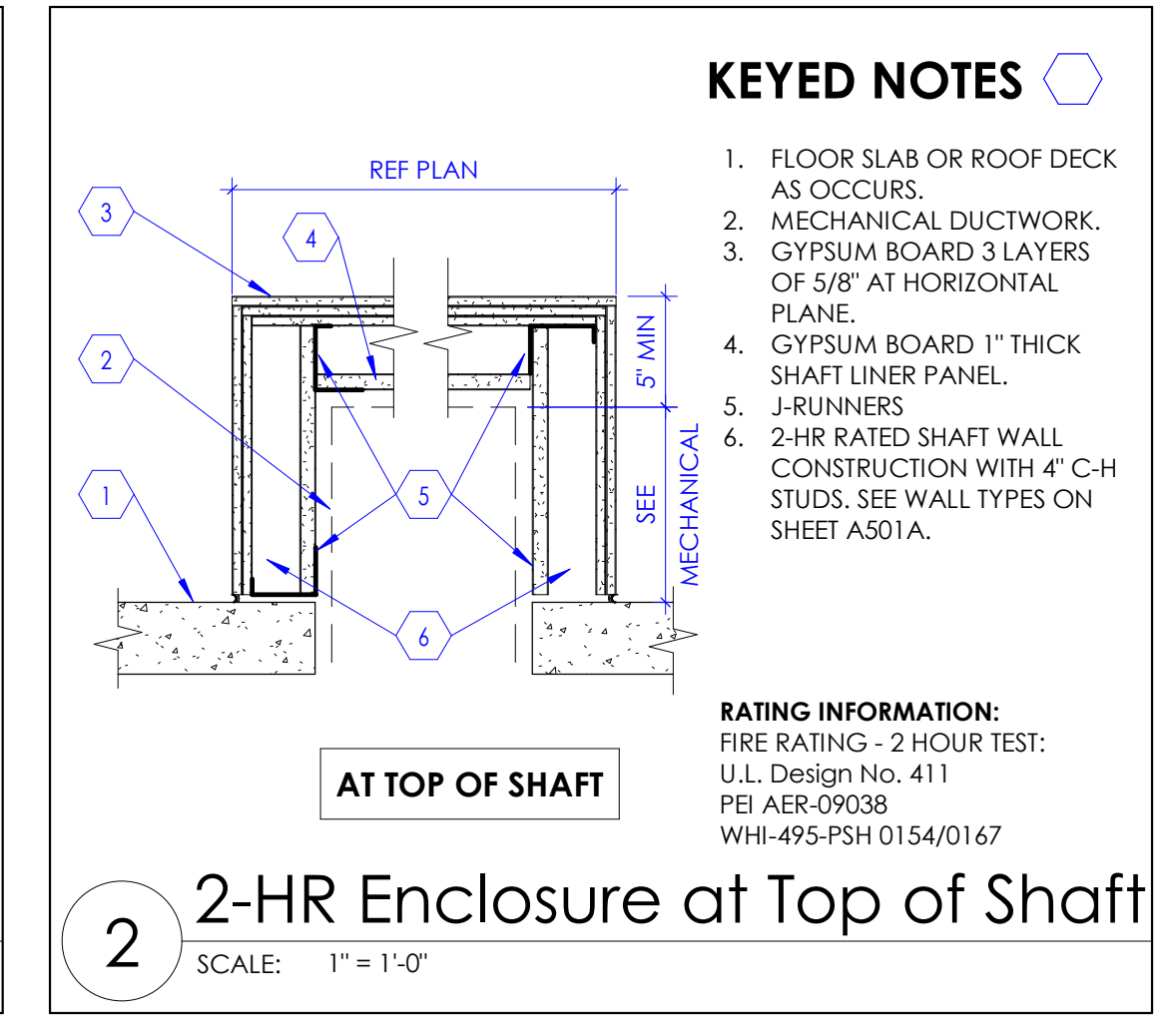
14 Control Joint - Gypsum Board
SCALE: 3" = 1'-0"



KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. STEEL BEAM AS OCCURS. SEE STRUCTURAL DRAWINGS.
3. SPRAY APPLIED FIRE RESISTIVE MATERIAL (SFRM).
4. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
5. METAL STUD WALL. SEE WALL TYPES ON SHEET A501A FOR ADDITIONAL INFORMATION.
6. STRAPS 2" x 18" GA AT 16" O.C.
7. 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"

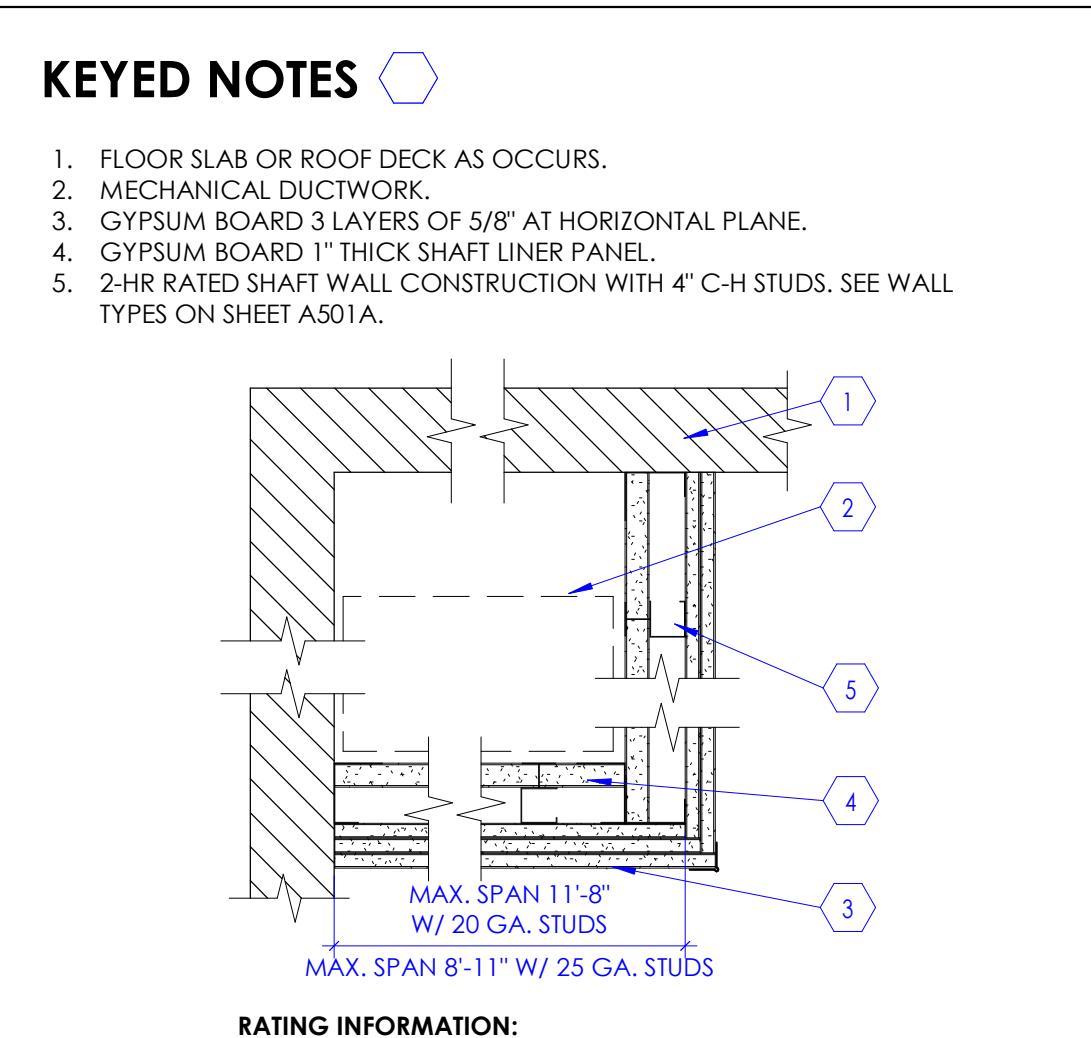


KEYED NOTES

1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS
6. 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

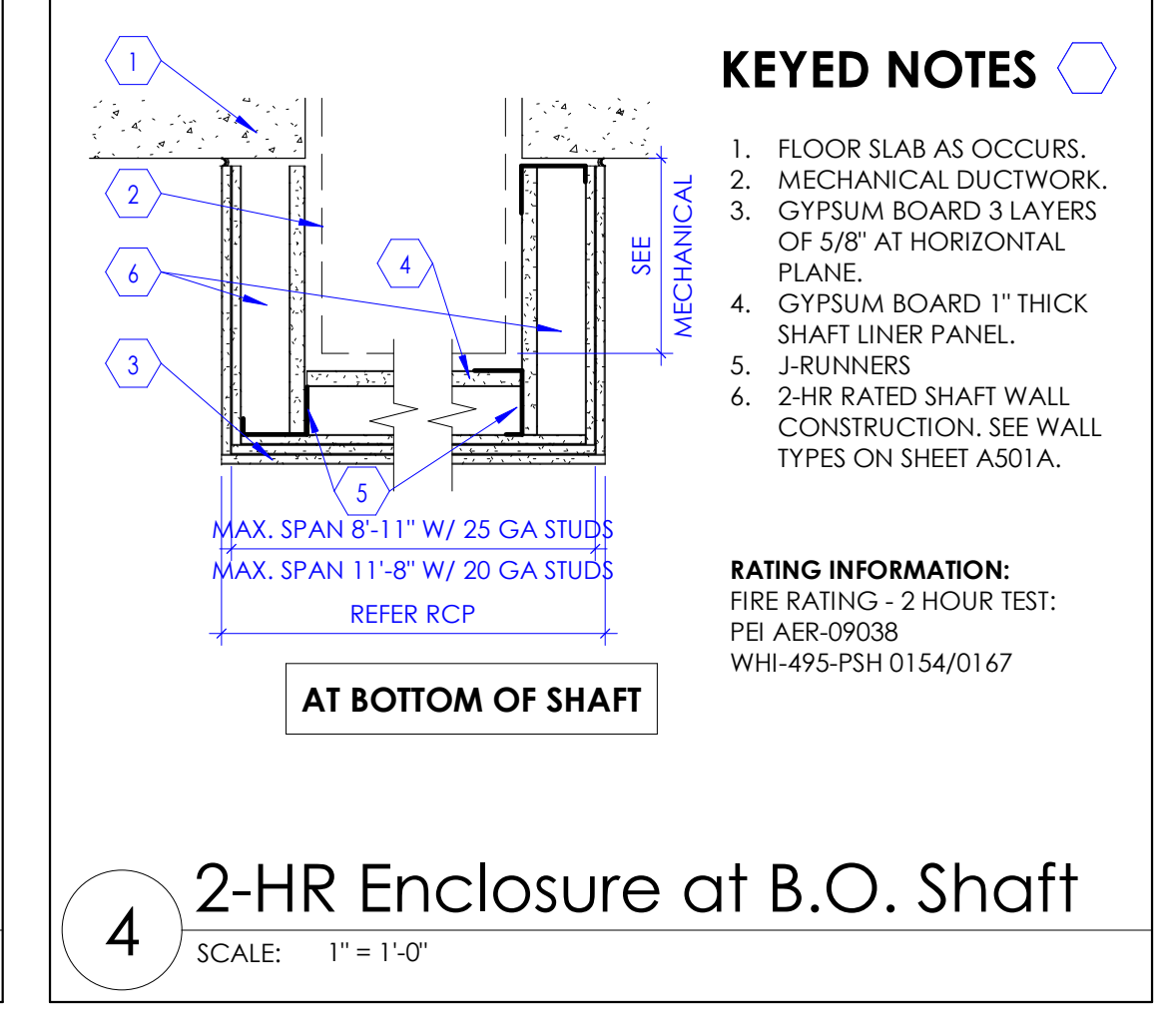
2 2-HR Enclosure at Top of Shaft
SCALE: 1" = 1'-0"



KEYED NOTES

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

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

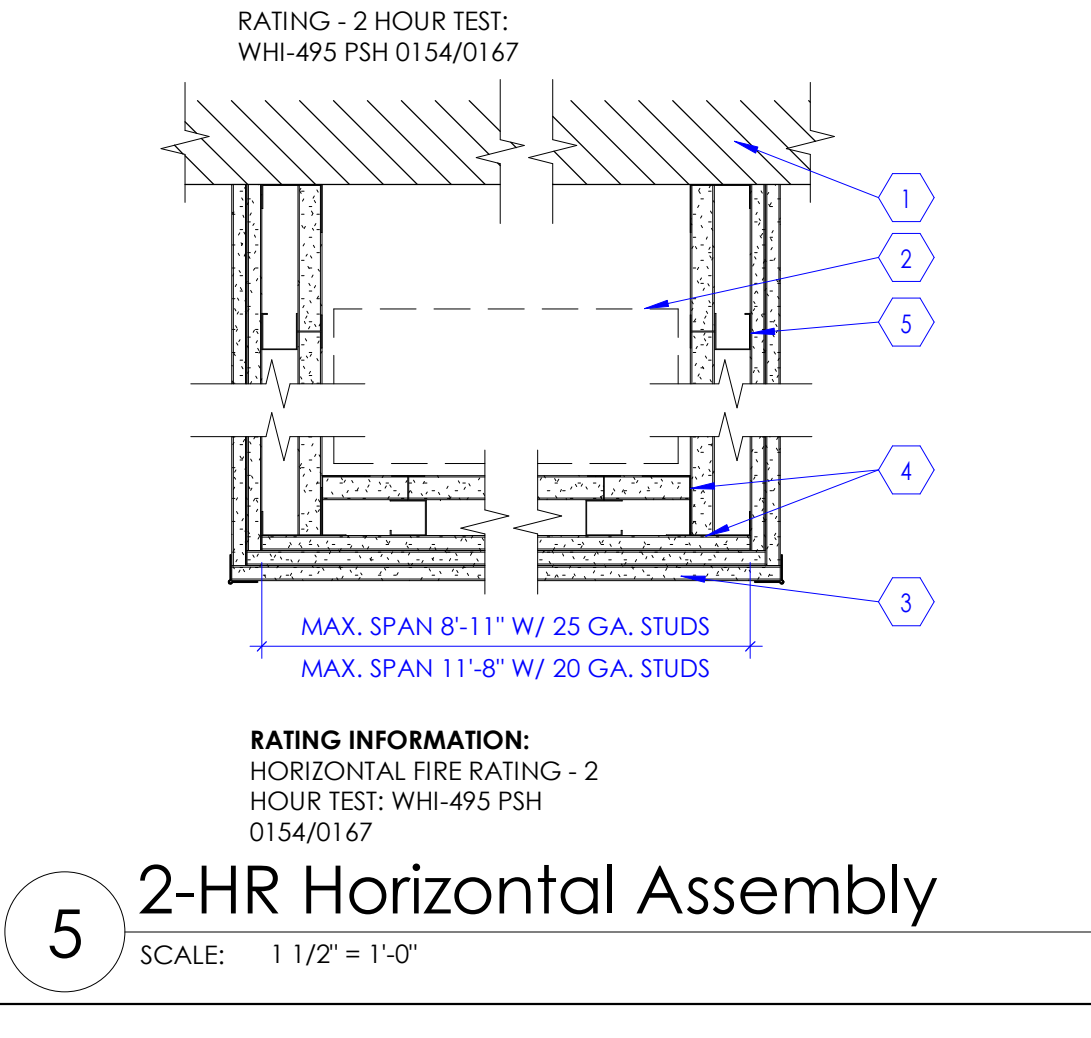


KEYED NOTES

1. FLOOR SLAB AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS
6. 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

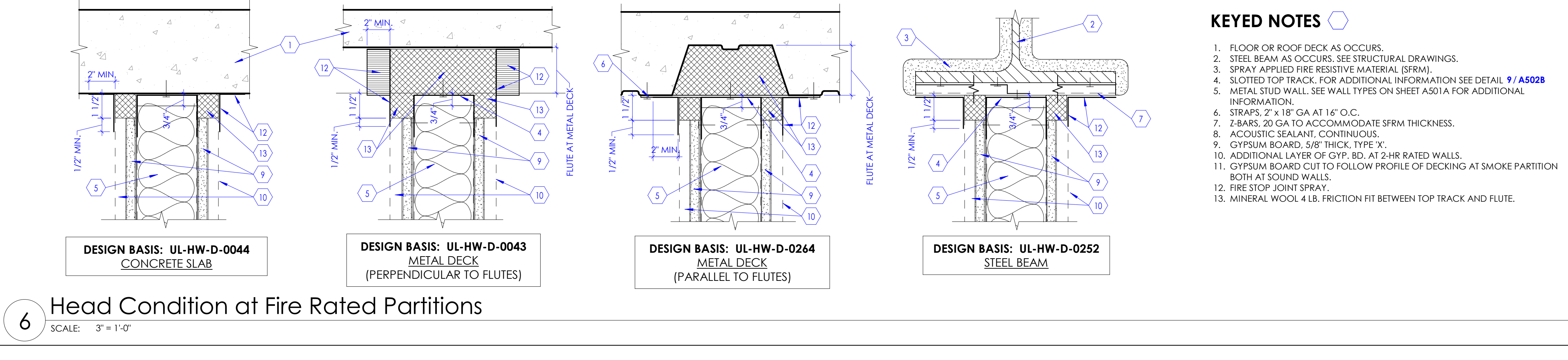
4 2-HR Enclosure at B.O. Shaft
SCALE: 1" = 1'-0"



RATING INFORMATION:
HORIZONTAL FIRE RATING - 2 HOUR TEST:
WHI-495-PSH 0154/0167

RATING INFORMATION:
HORIZONTAL FIRE RATINGS - 2 HOUR TEST: WHI-495-PSH 0154/0167

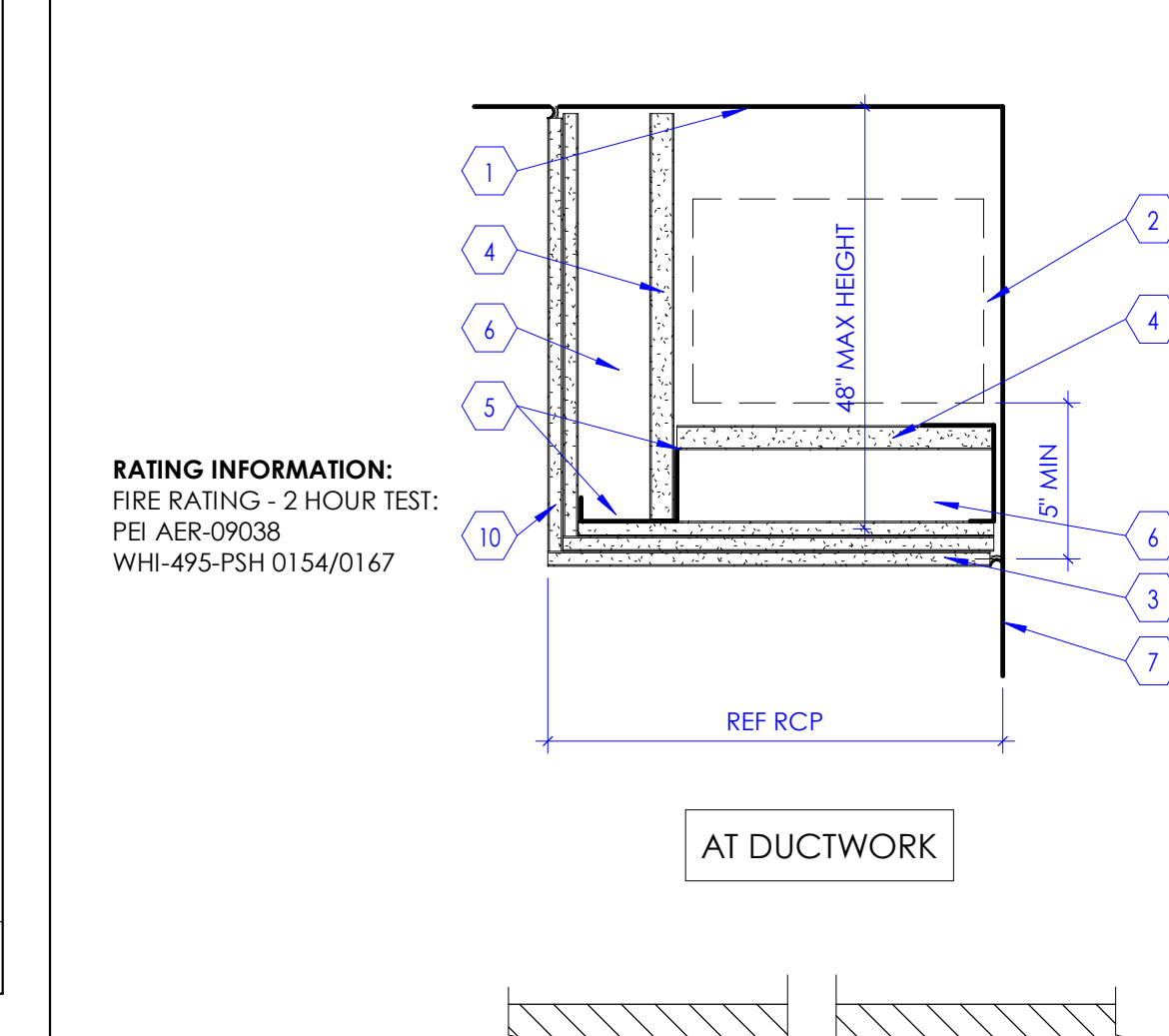
5 2-HR Horizontal Assembly
SCALE: 1 1/2" = 1'-0"



KEYED NOTES

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

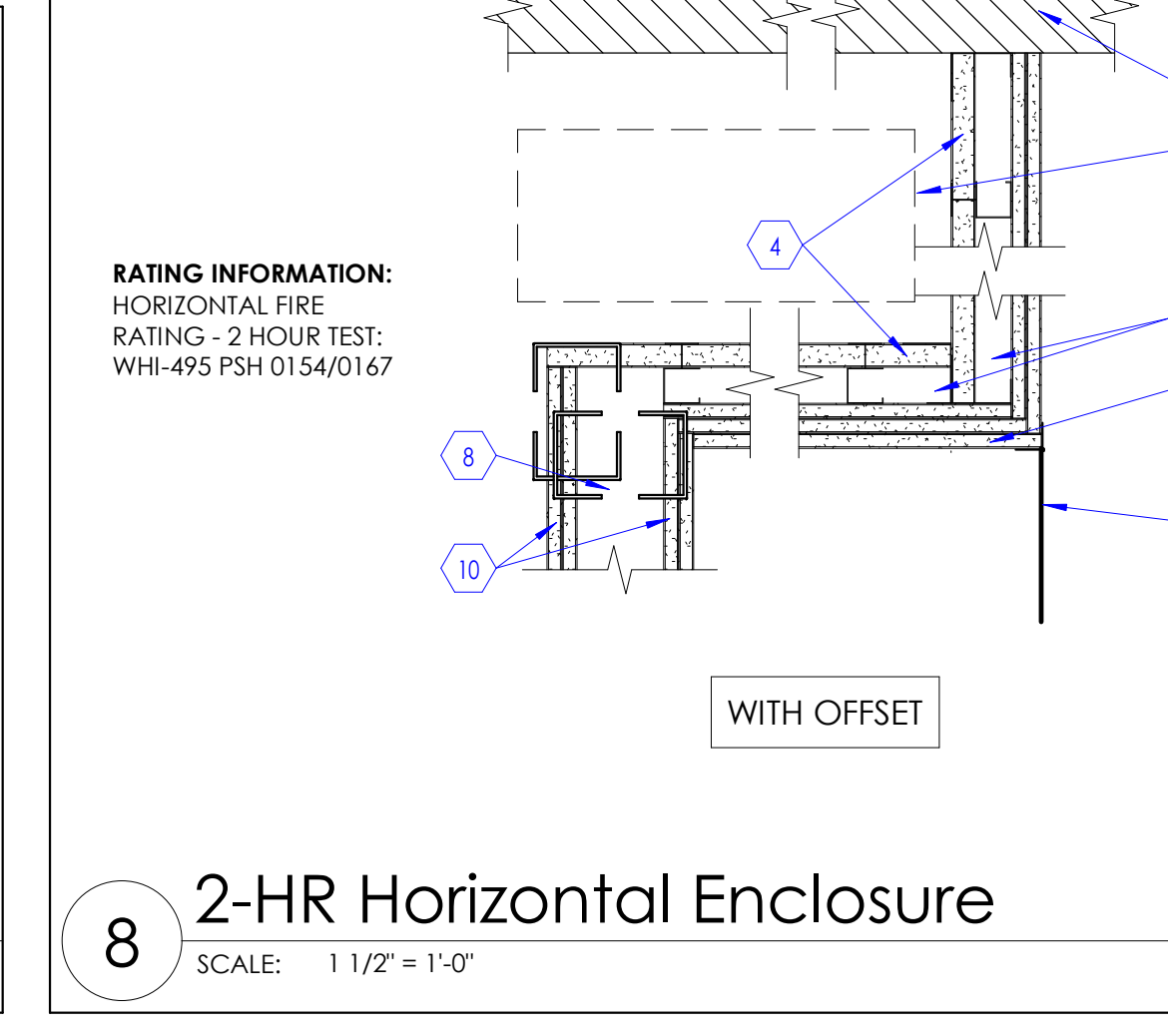
6 Head Condition at Fire Rated Partitions
SCALE: 3" = 1'-0"



KEYED NOTES

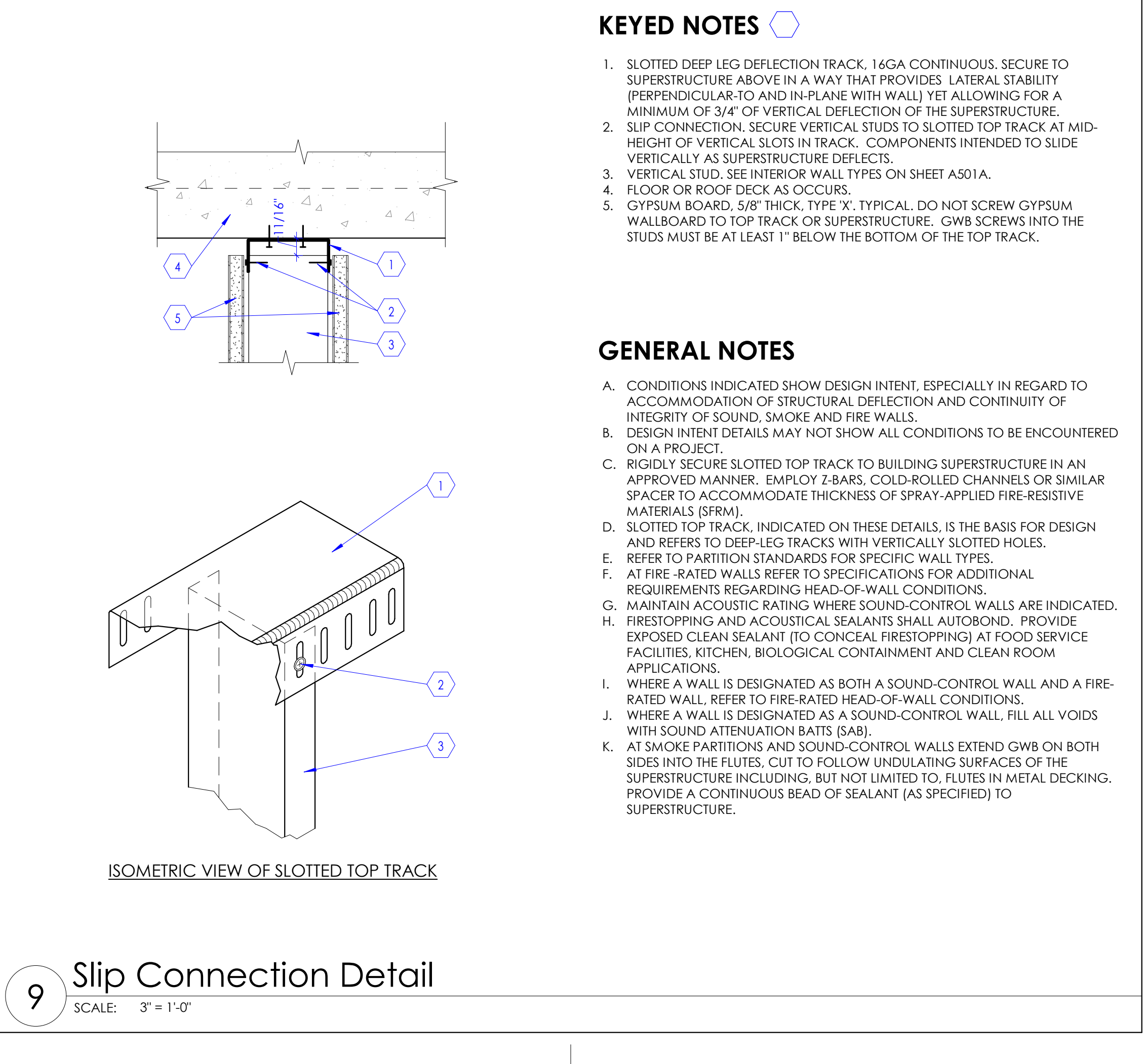
1. FLOOR OR ROOF DECK AS OCCURS.
2. GYPSUM BOARD 1" SHAFT LINER PANEL 6" HIGH MIN. CUT TO FLUTED DECK CONTOUR.
3. MINERAL WOOL 3" 4 LB MIN. FRICTION FITTED BETWEEN J TRACK AND FLUTE.
4. MINERAL WOOL 1" 4 LB MIN. FRICTION FITTED INSIDE J TRACK CAVITY.
5. GYPSUM BOARD 1" SHAFT LINER PANEL STOP AT 1" BELOW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

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



RATING INFORMATION:
HORIZONTAL FIRE RATING - 2 HOUR TEST:
WHI-495-PSH 0154/0167

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



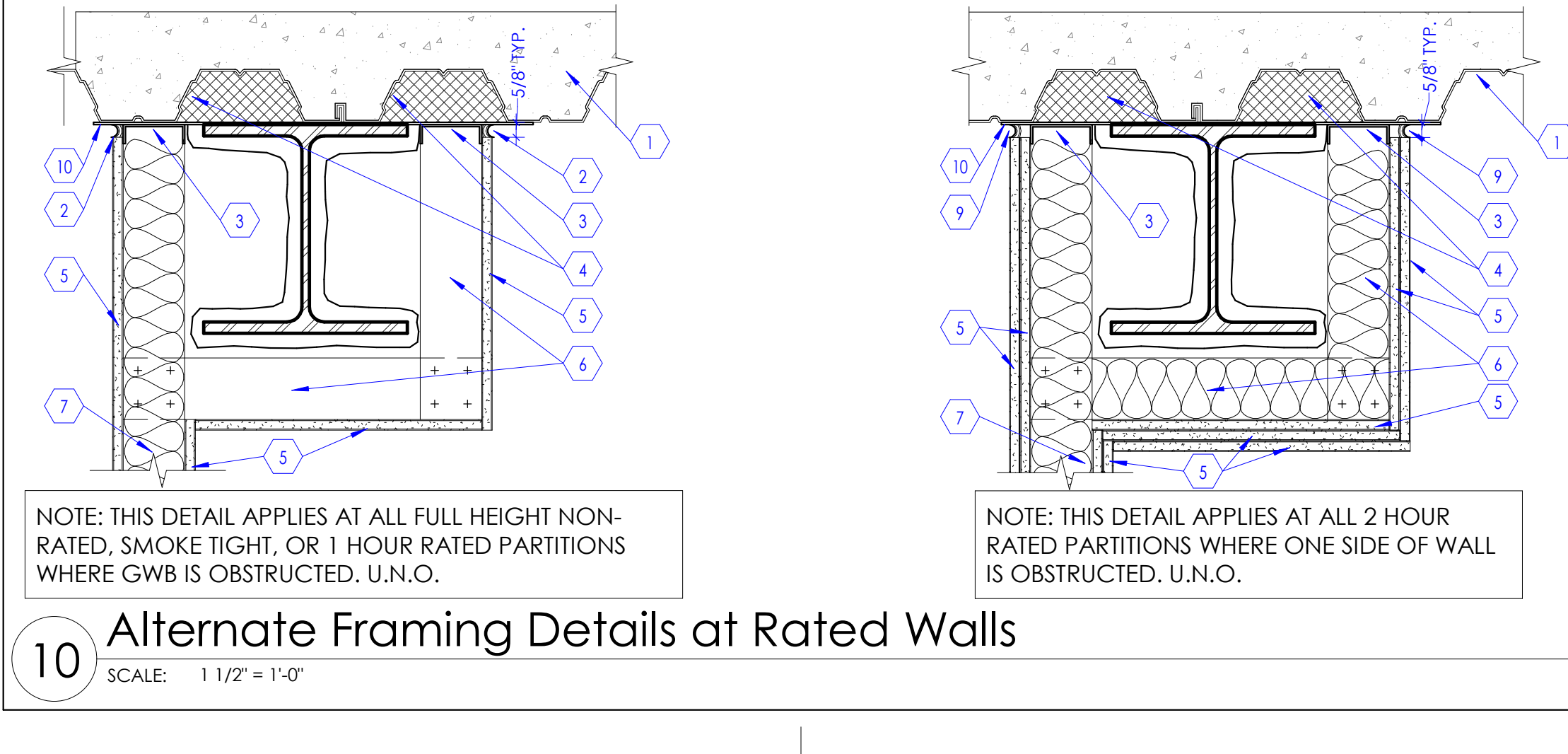
KEYED NOTES

1. SLOTTED DEEP LEG DEFLECTION TRACK, 1/4GA 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.
2. 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.
3. VERTICAL STUD. SEE INTERIOR WALL TYPES ON SHEET A501A.
4. FLOOR OR ROOF DECK AS OCCURS.
5. GYPSUM BOARD, 5/8" THICK, TYPE 'X'. TYPICAL. DO NOT SCREW GYPSUM WALLBOARD TO TOP TRACK OR SUPERSTRUCTURE. GWB SCREWS INTO THE STUDS MUST BE AT LEAST 1" BELOW THE BOTTOM OF THE TOP TRACK.

GENERAL NOTES

- A. CONDITIONS INDICATED SHOW DESIGN INTENT, ESPECIALLY IN REGARD TO ACCOMMODATION OF STRUCTURAL DEFLECTION AND CONTINUITY OF INTEGRITY OF SOUND, SMOKE AND FIRE WALLS.
- B. DESIGN INTENT DETAILS MAY NOT SHOW ALL CONDITIONS TO BE ENCOUNTERED ON A PROJECT.
- C. 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).
- D. SLOTTED TOP TRACK, INDICATED ON THESE DETAILS, IS THE BASIS FOR DESIGN AND REFERS TO DEEP-LEG TRACKS WITH VERTICALLY SLOTTED HOLES.
- E. REFER TO PARTITION STANDARDS FOR SPECIFIC WALL TYPES.
- F. AT FIRE-RATED WALLS REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING HEAD-OF-WALL CONDITIONS.
- G. MAINTAIN ACOUSTIC RATING WHERE SOUND-CONTROL WALLS ARE INDICATED.
- H. FIRESTOPPING AND ACOUSTICAL SEALANTS SHALL AUTOBOND. PROVIDE EXPOSED CLEAN SEALANT (TO CONCEAL FIRESTOPPING) AT FOOD SERVICE FACILITIES, KITCHEN, BIOLOGICAL CONTAINMENT AND CLEAN ROOM APPLICATIONS.
- I. WHERE A WALL IS DESIGNATED AS BOTH A SOUND-CONTROL WALL AND A FIRE-RATED WALL. REFER TO FIRE-RATED HEAD-OF-WALL CONDITIONS.
- J. WHERE A WALL IS DESIGNATED AS A SOUND-CONTROL WALL. FILL ALL VOIDS WITH SOUND ATTENUATION BATTS (SAB).
- K. AT SMOKE PARTITIONS AND SOUND-CONTROL WALLS EXTEND GWB ON BOTH SIDES INTO THE FLUTES, CUT TO FOLLOW UNUNDULATING SURFACES OF THE SUPERSTRUCTURE INCLUDING, 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"



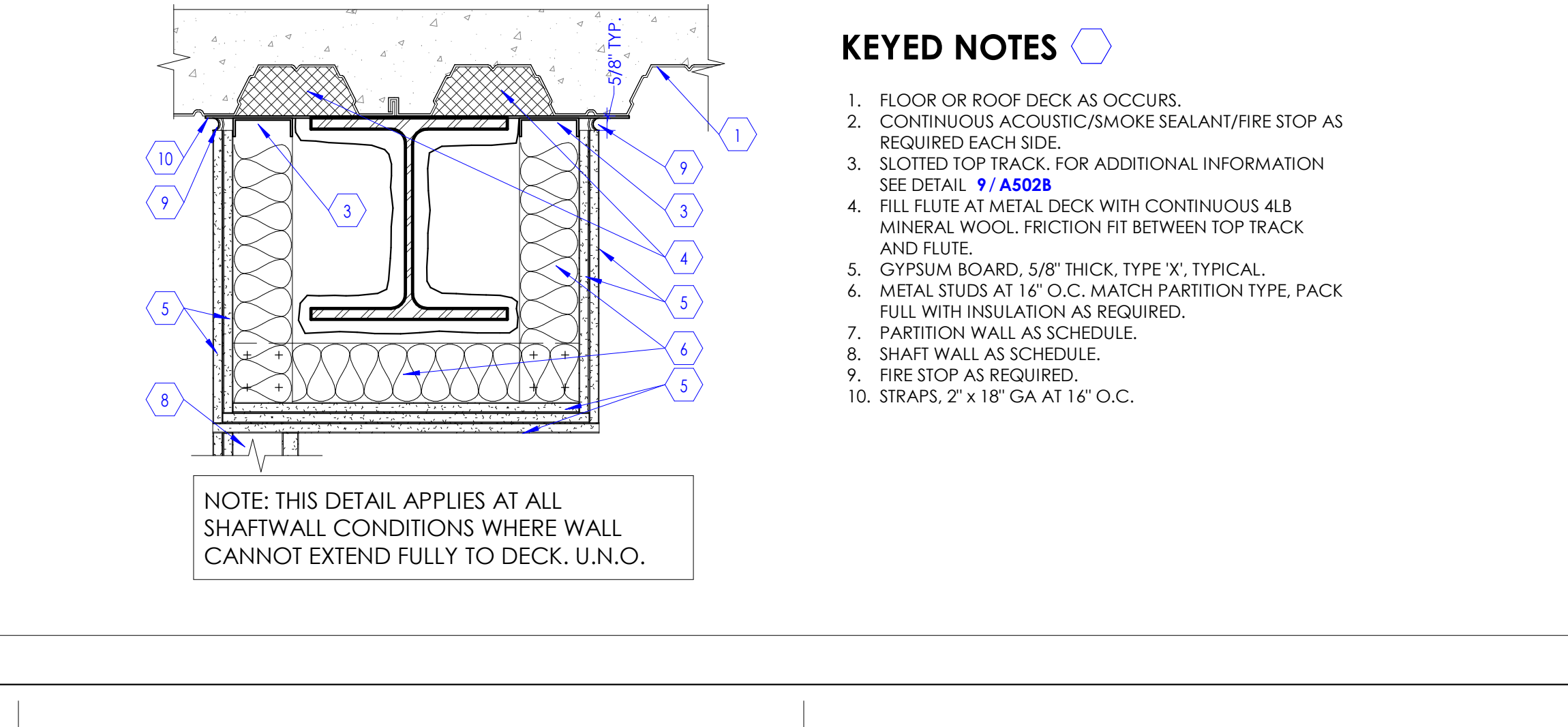
KEYED NOTES

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

NOTE: THIS DETAIL APPLIES AT ALL FULL HEIGHT NON-RATED, SMOKE TIGHT, OR 1 HOUR RATED PARTITIONS WHERE GWB 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"

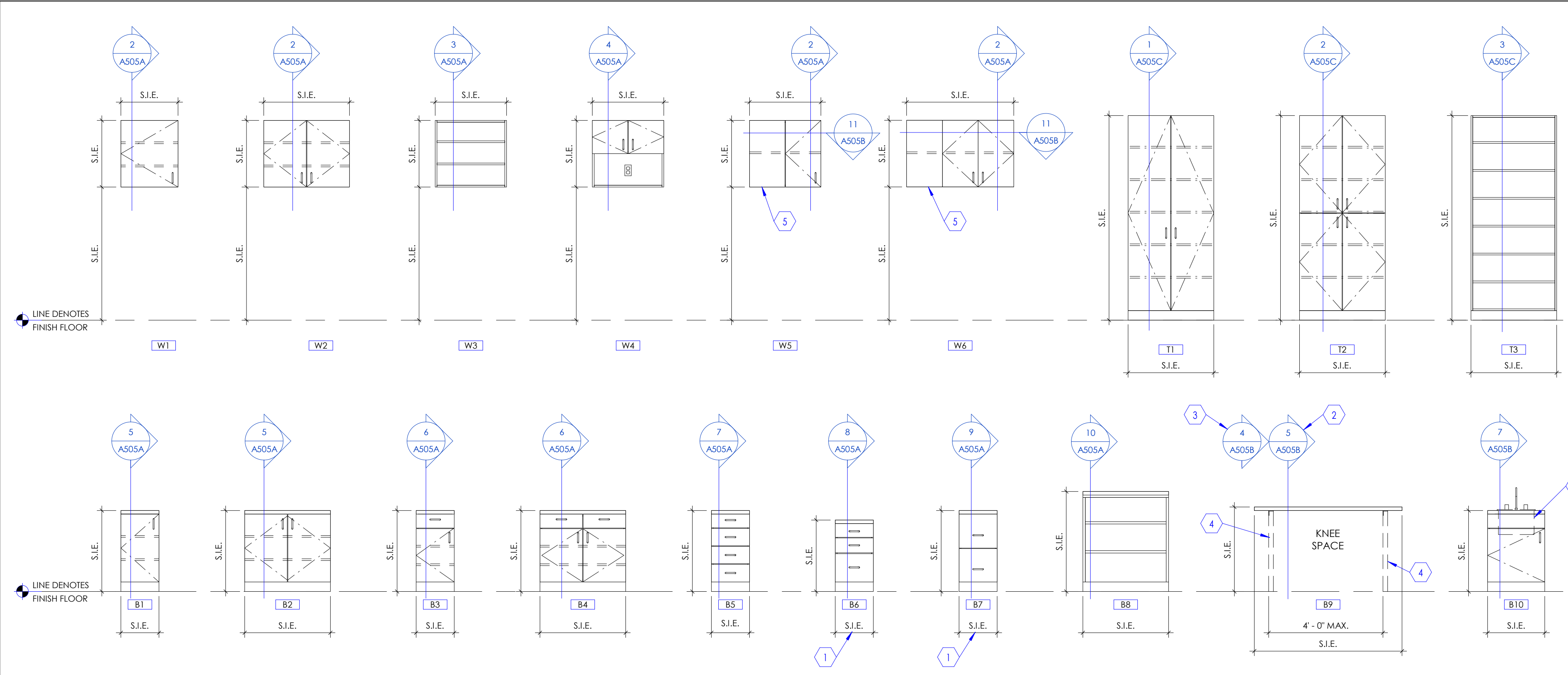
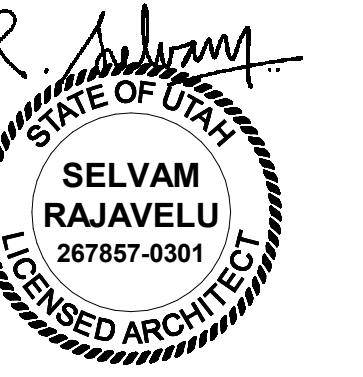


KEYED NOTES

1. FLOOR OR ROOF DECK AS OCCURS.
2. CONTINUOUS ACOUSTIC/SMOKE SEALANT/FIRE STOP AS REQUIRED EACH SIDE.
3. SLOTTED TOP TRACK. FOR ADDITIONAL INFORMATION SEE DETAIL 9 / A502B
4. FILL FLUTE AT METAL DECK WITH CONTINUOUS 4LB MINERAL WOOL. FRICTION FIT BETWEEN TOP TRACK AND FLUTE.
5. GYPSUM BOARD, 5/8" THICK, TYPE 'X'. TYPICAL.
6. METAL STUDS AT 16" O.C. MATCH PARTITION TYPE, PACK FULL WITH INSULATION AS REQUIRED.
7. PARTITION WALL AS SCHEDULE.
8. SHAFT WALL AS SCHEDULE.
9. FIRE STOP AS REQUIRED.
10. 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.

11 2-HR Horizontal Enclosure
SCALE: 1 1/2" = 1'-0"

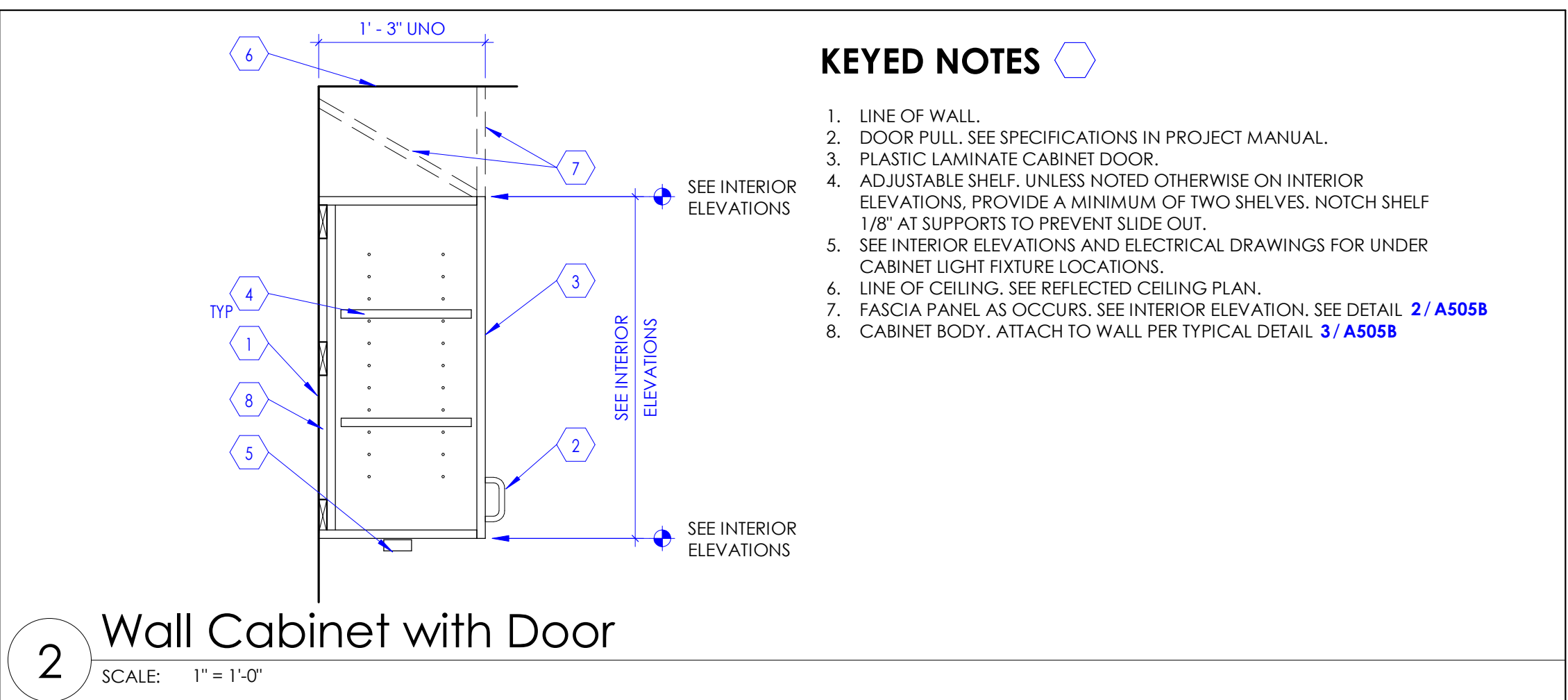


KEYED NOTES

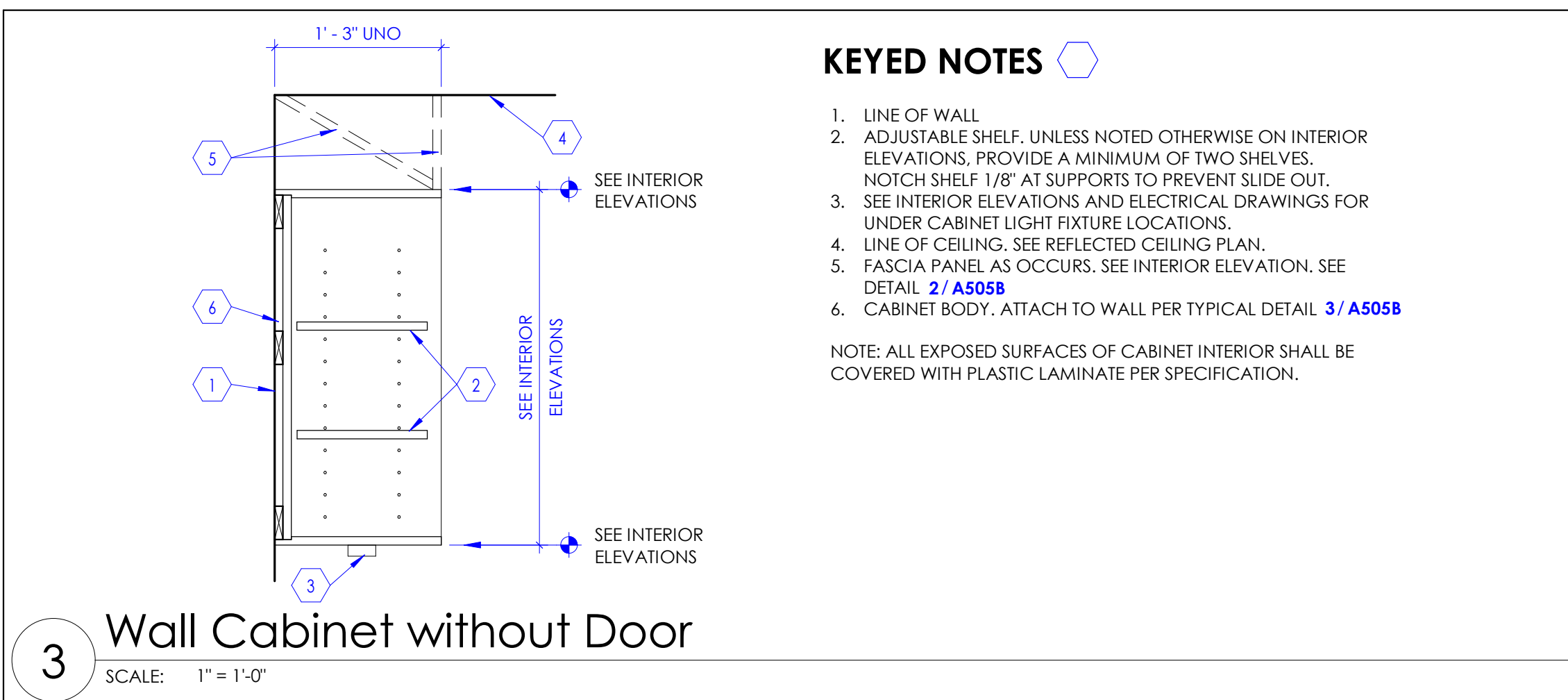
- FILE DRAWER, MINIMUM WIDTH SHALL BE 1'-4" TO HANG FOLDERS (FOR 8-1/2" x 11" SIZE PAPER)
- DETAIL FOR STEEL SUPPORTS FOR COUNTERTOP AT STUD WALLS.
- DETAIL FOR STEEL SUPPORTS FOR COUNTERTOP AT MASONRY AND CONCRETE WALLS.
- STEEL SUPPORT FOR COUNTERTOP. SEE RELEVANT DETAIL FOR STUD WALL, CMU, AND CONCRETE 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"

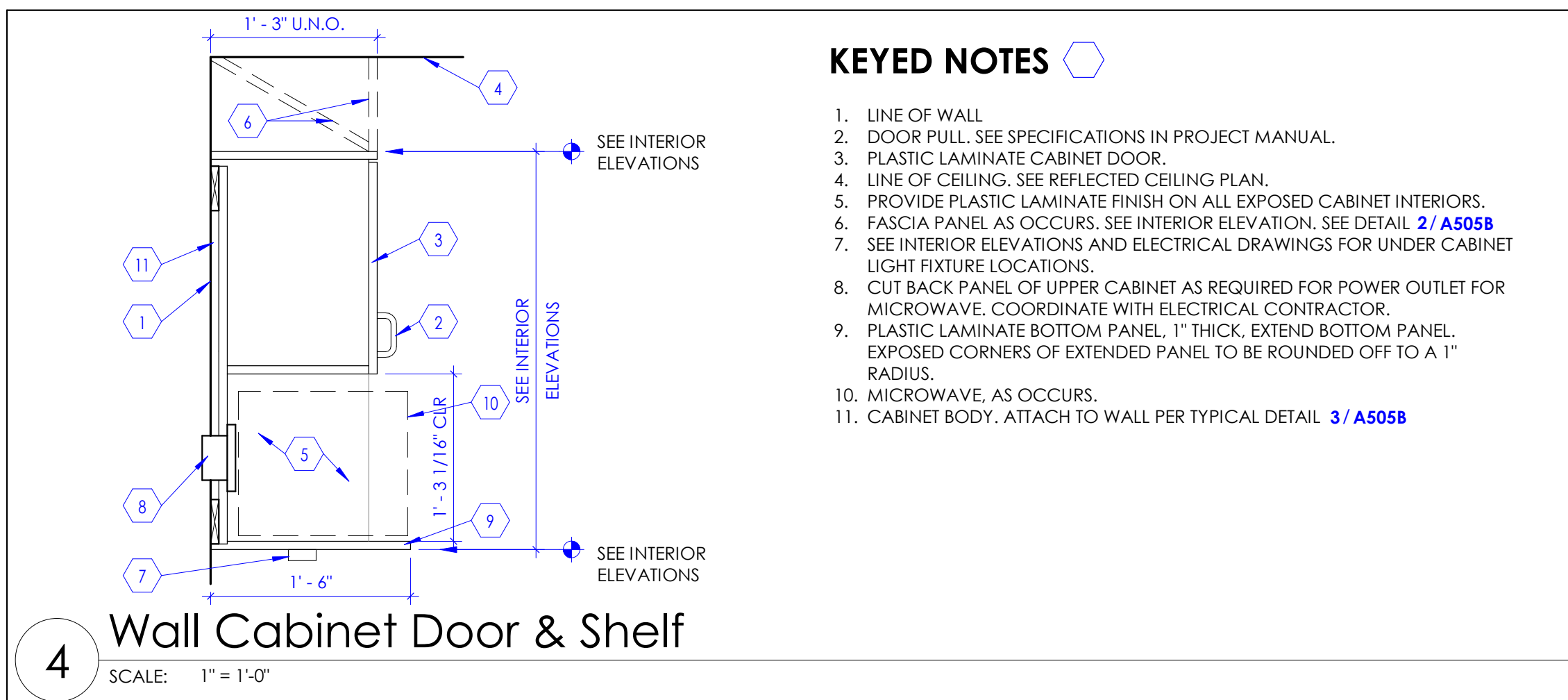
Note: See Interior Elevations (S.I.E.) for occurrence of cabinet types used in this project. Some cabinet type shown above may not be used in this project.



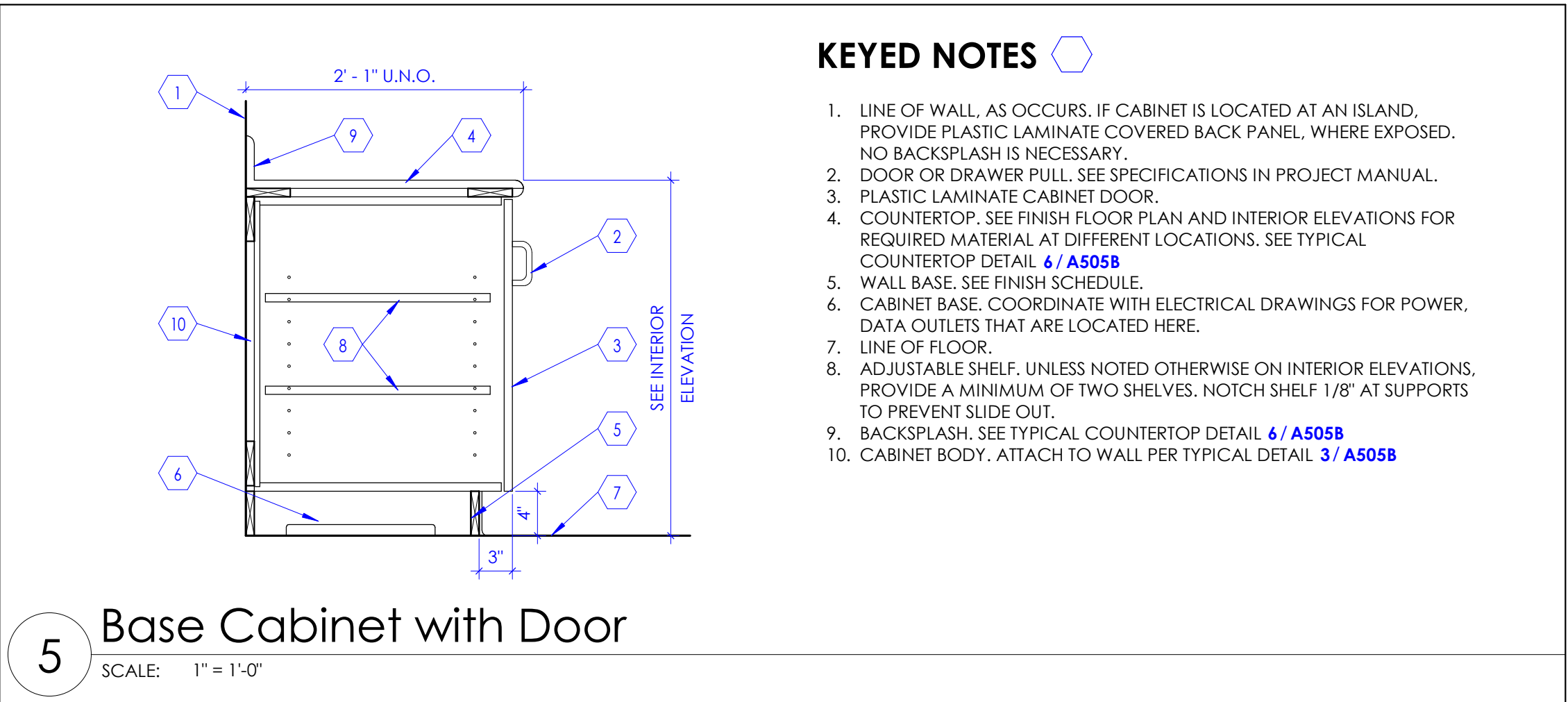
2 Wall Cabinet with Door
SCALE: 1" = 1'-0"



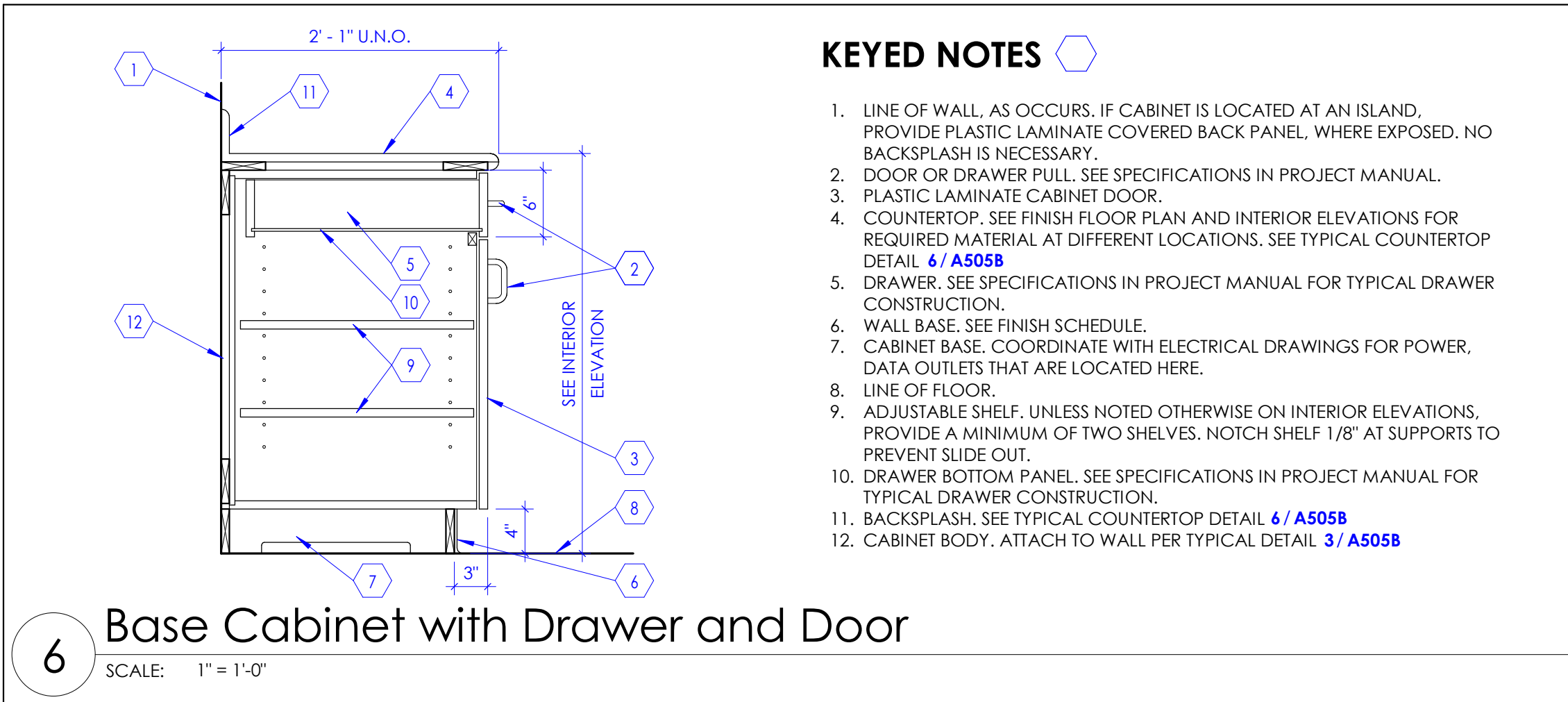
3 Wall Cabinet without Door
SCALE: 1" = 1'-0"



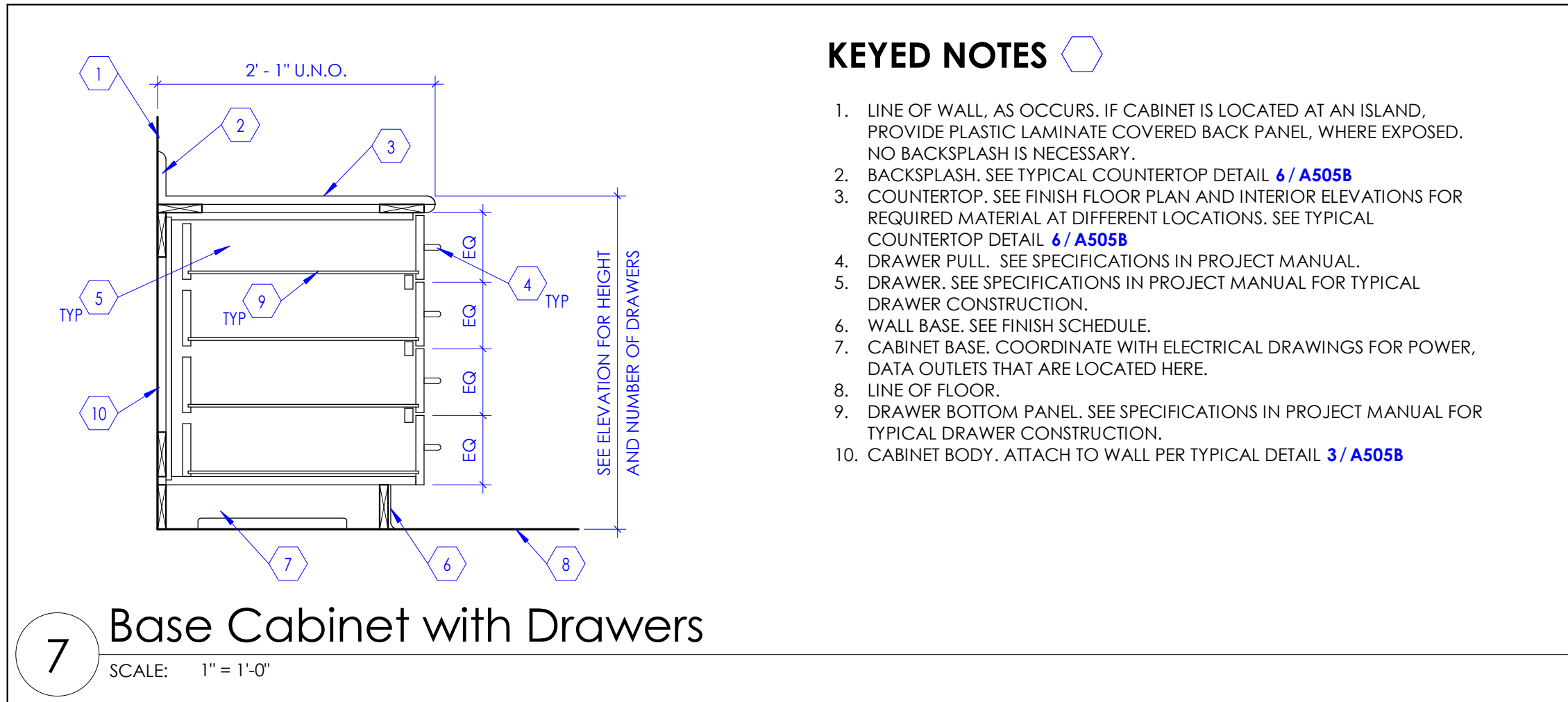
4 Wall Cabinet Door & Shelf
SCALE: 1" = 1'-0"



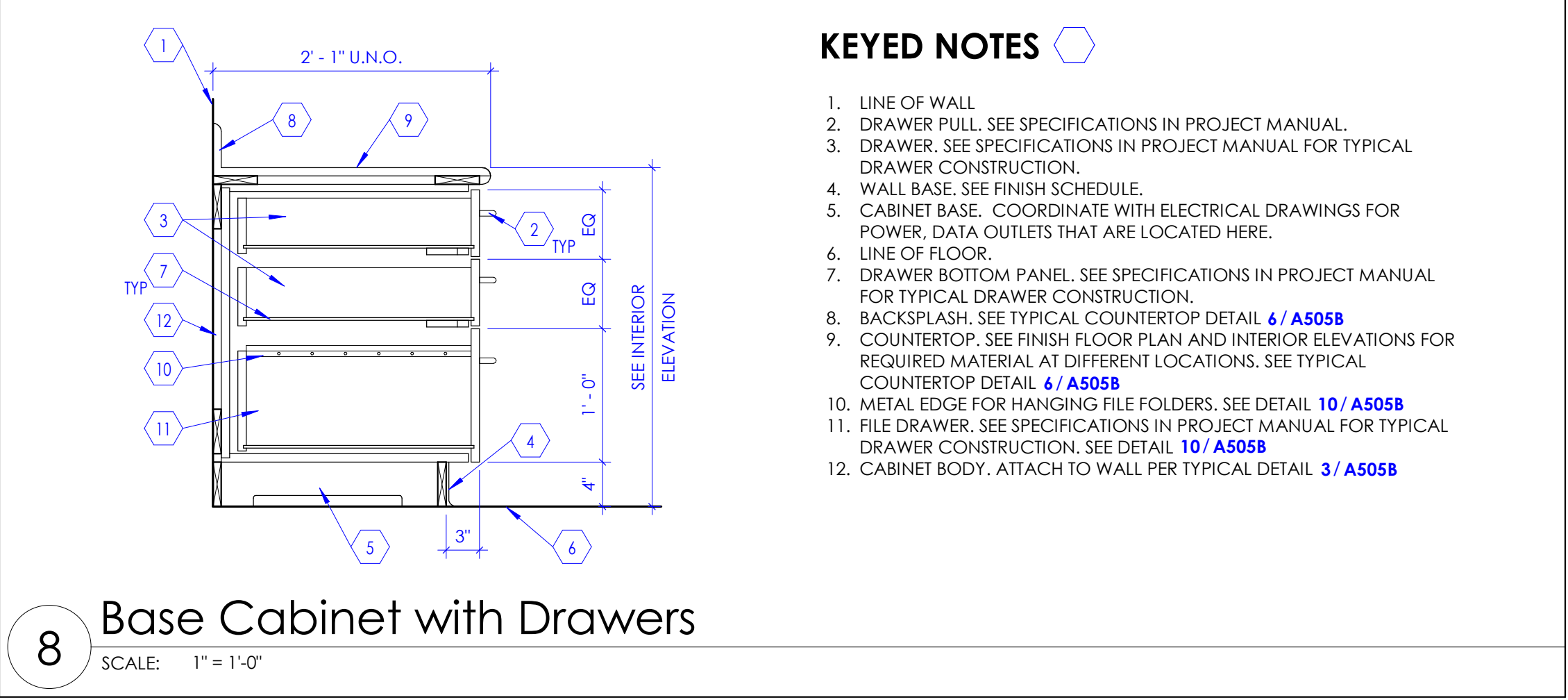
5 Base Cabinet with Door
SCALE: 1" = 1'-0"



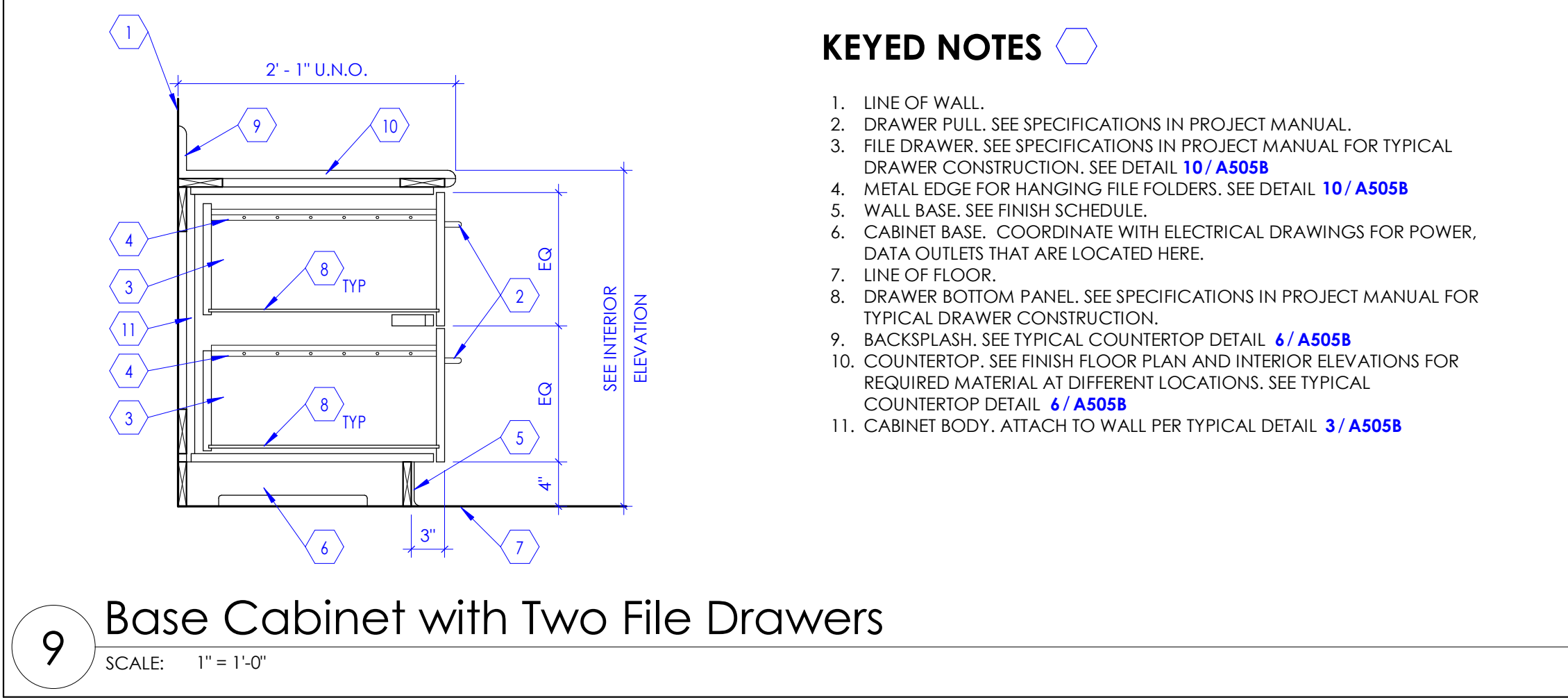
6 Base Cabinet with Drawer and Door
SCALE: 1" = 1'-0"



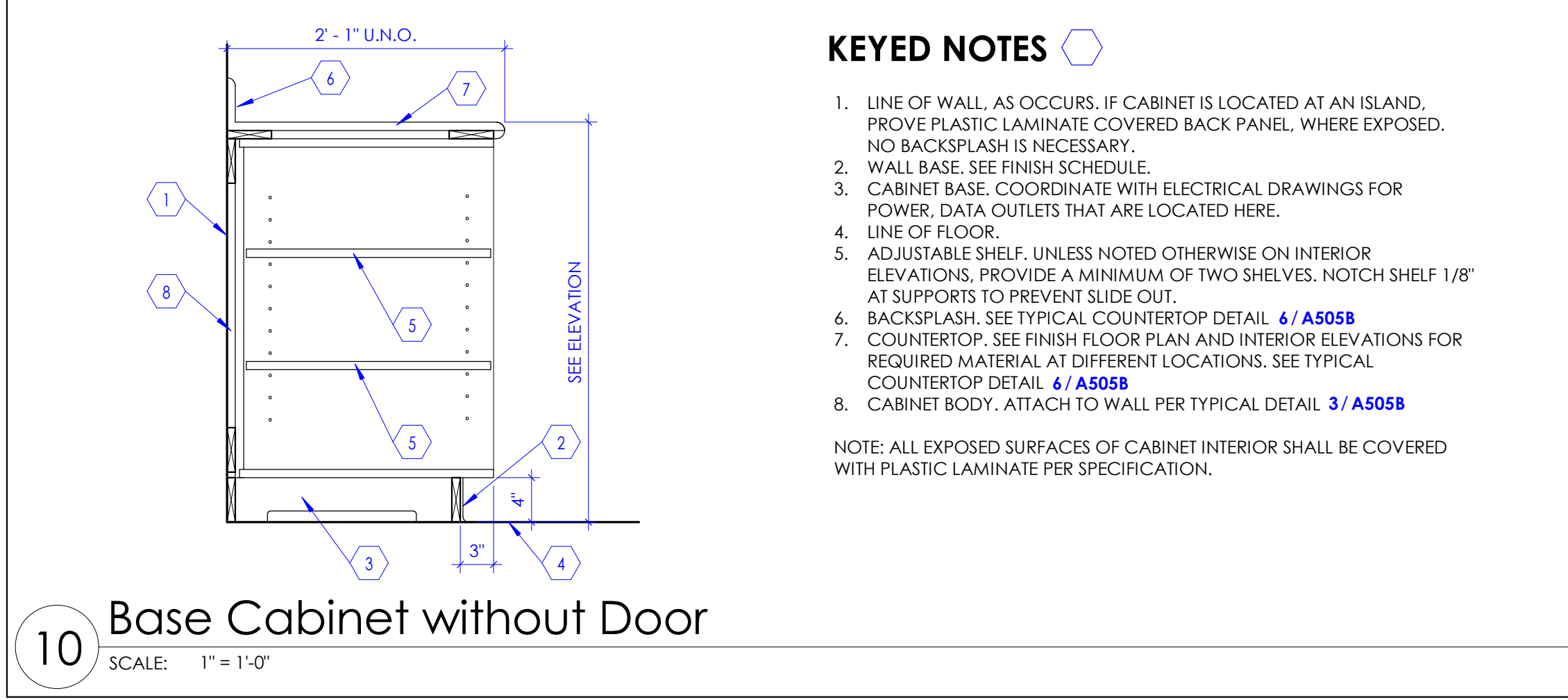
7 Base Cabinet with Drawers
SCALE: 1" = 1'-0"



8 Base Cabinet with Drawers
SCALE: 1" = 1'-0"



9 Base Cabinet with Two File Drawers
SCALE: 1" = 1'-0"



10 Base Cabinet without Door
SCALE: 1" = 1'-0"

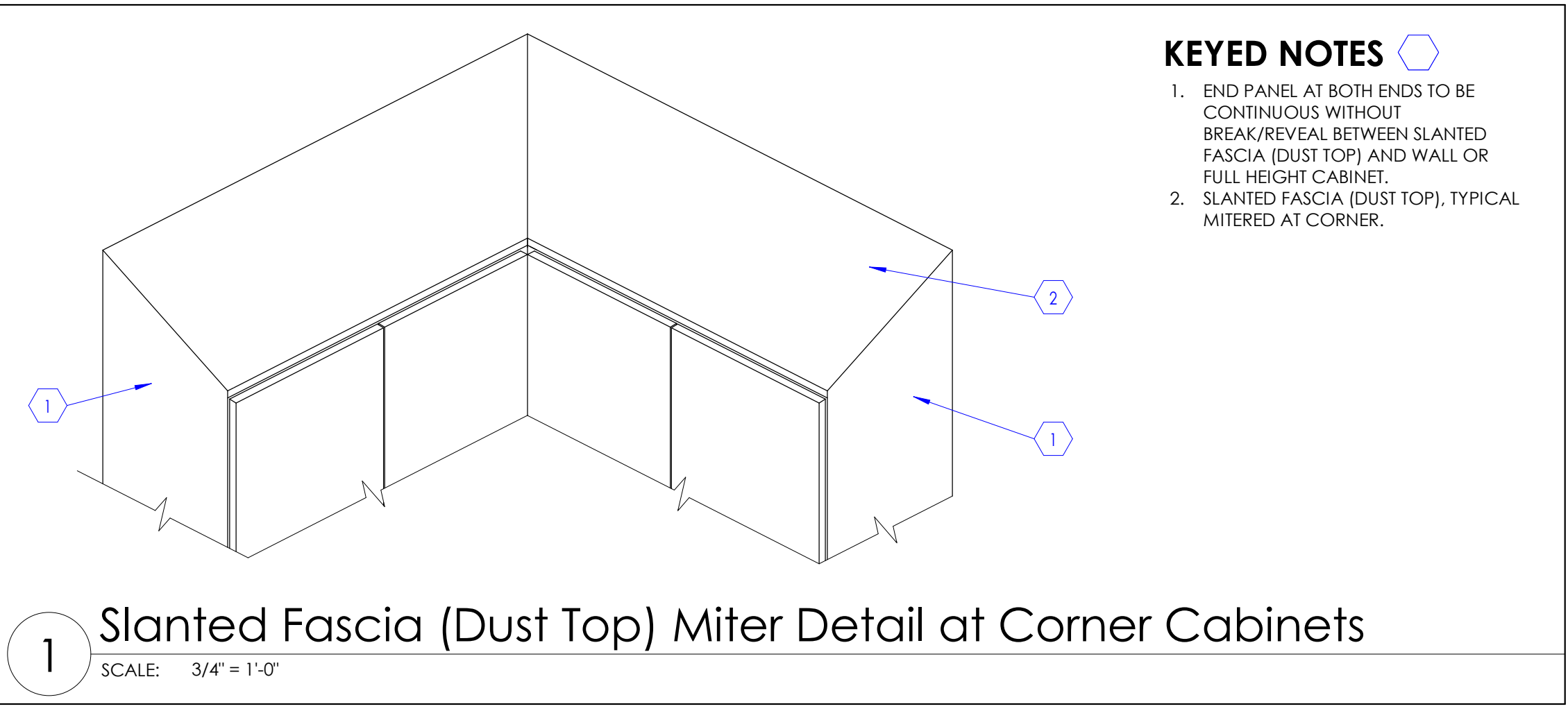
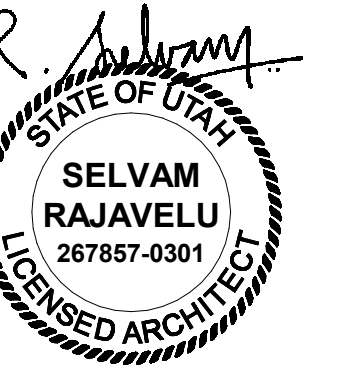
Intermountain Healthcare
Utah Valley Regional Medical Center
MRI Replacement

1034 North 500 W
Provo, Utah 84604

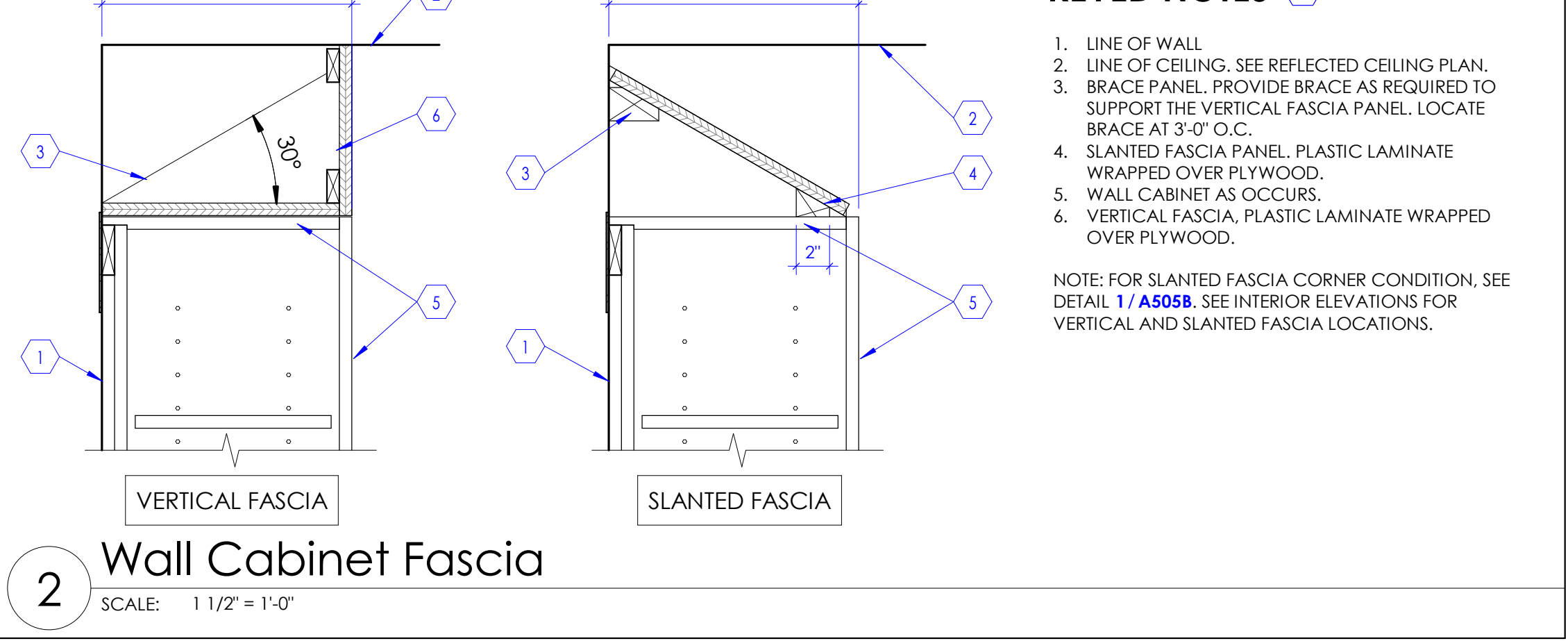
NJRA Project # 22230.00
Confirmed Set Feb. 23, 2023

Cabinet Legend & Details

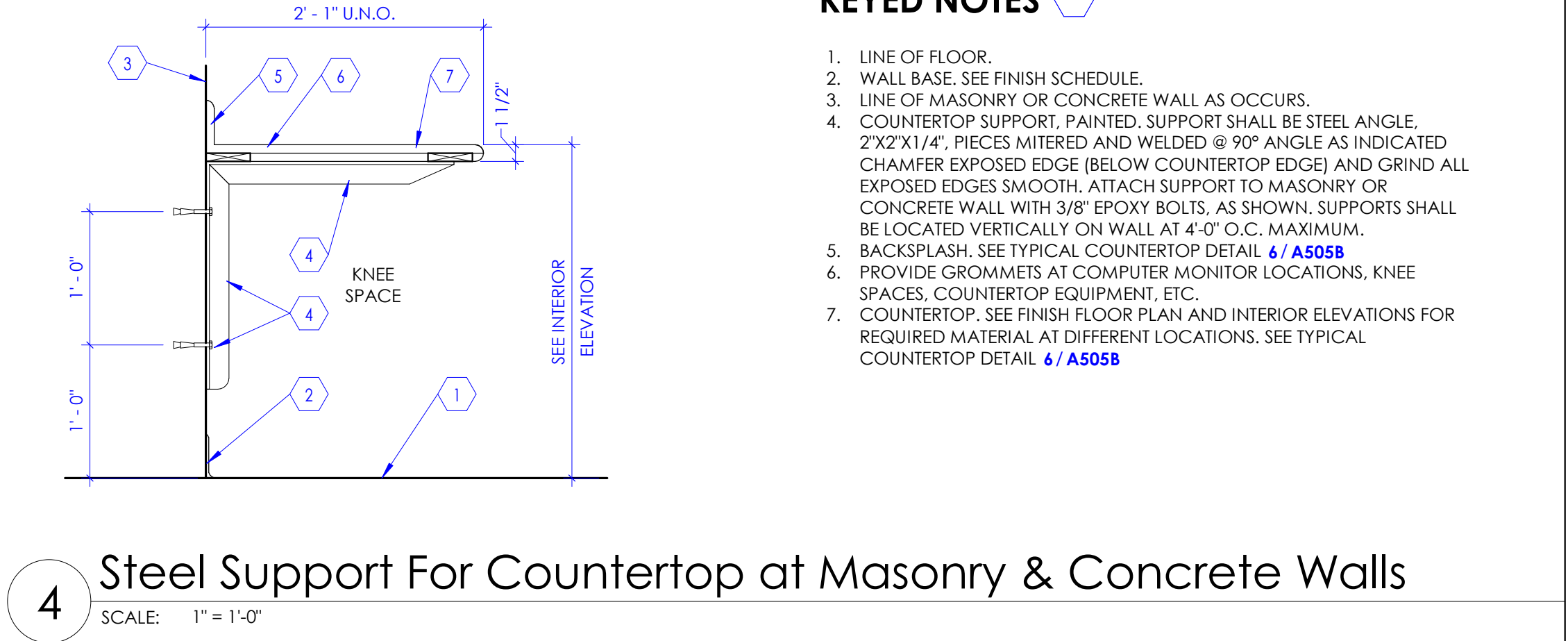
A505A



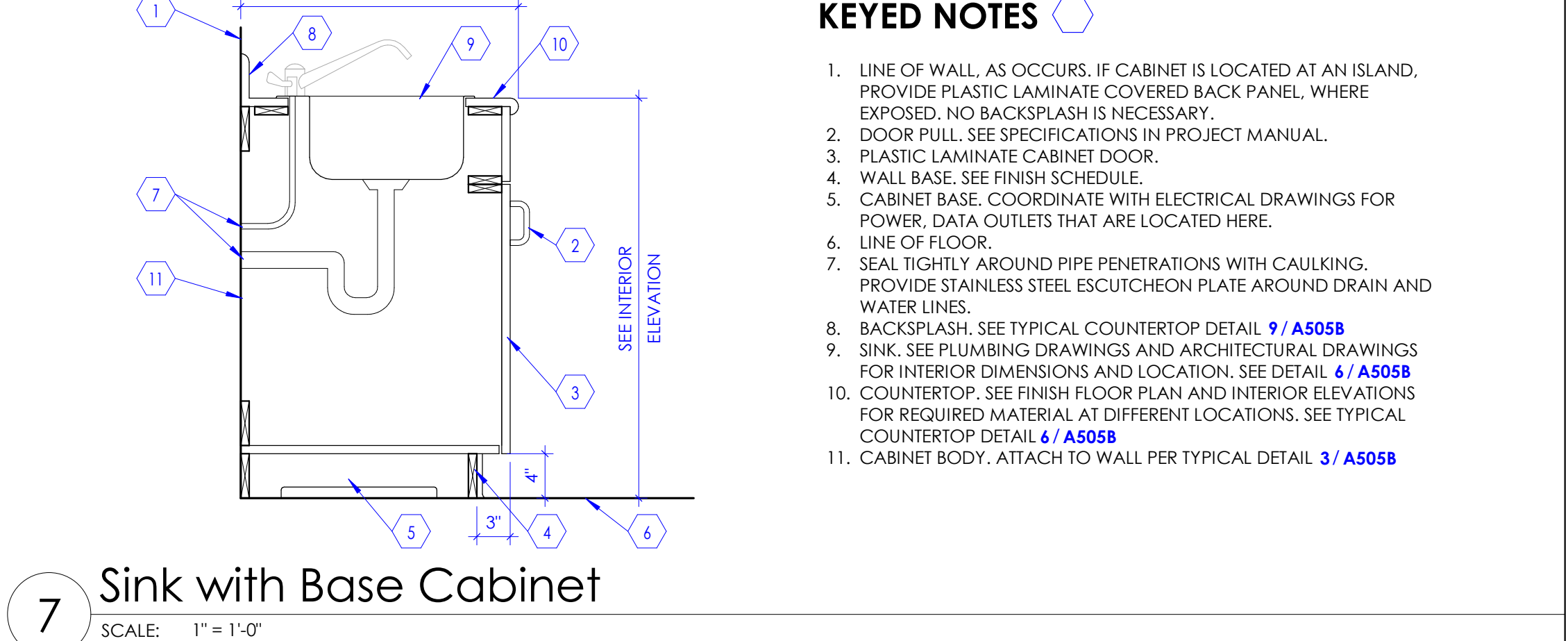
1 Slanted Fascia (Dust Top) Miter Detail at Corner Cabinets
SCALE: 3/4" = 1'-0"



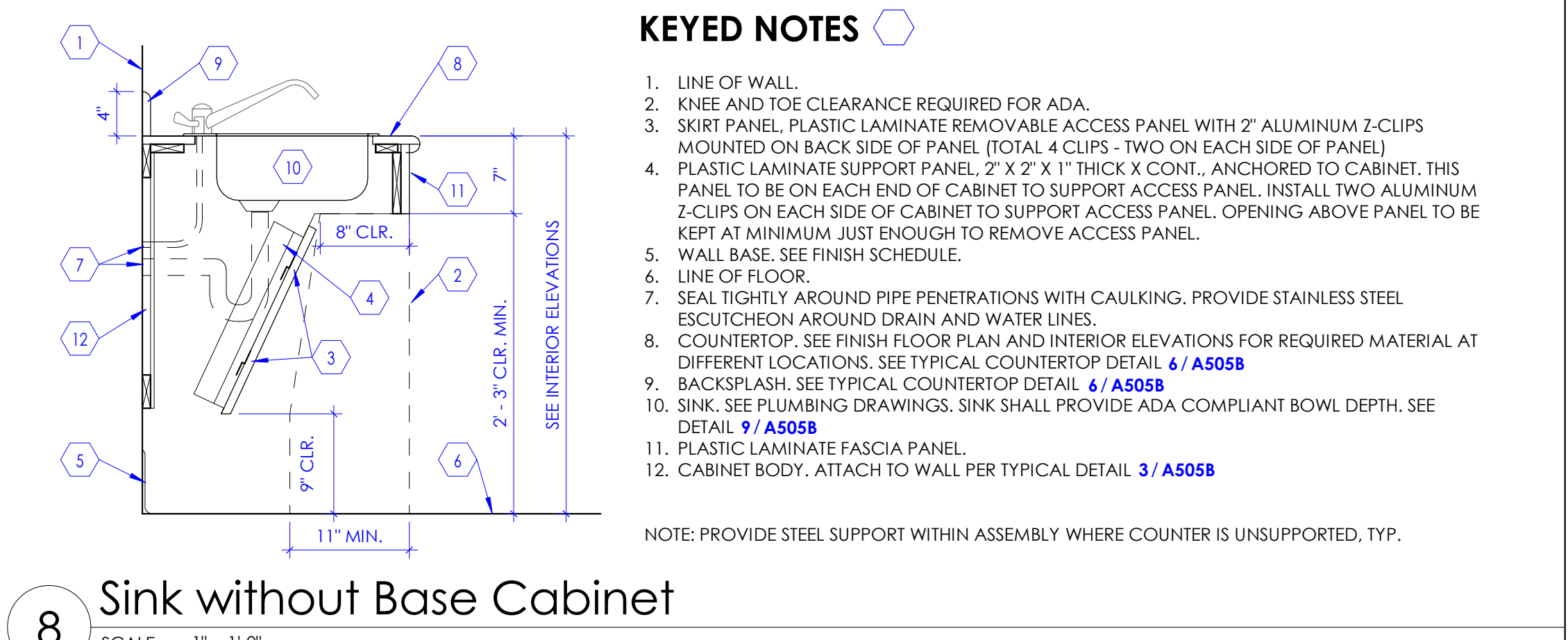
2 Wall Cabinet Fascia
SCALE: 1 1/2" = 1'-0"



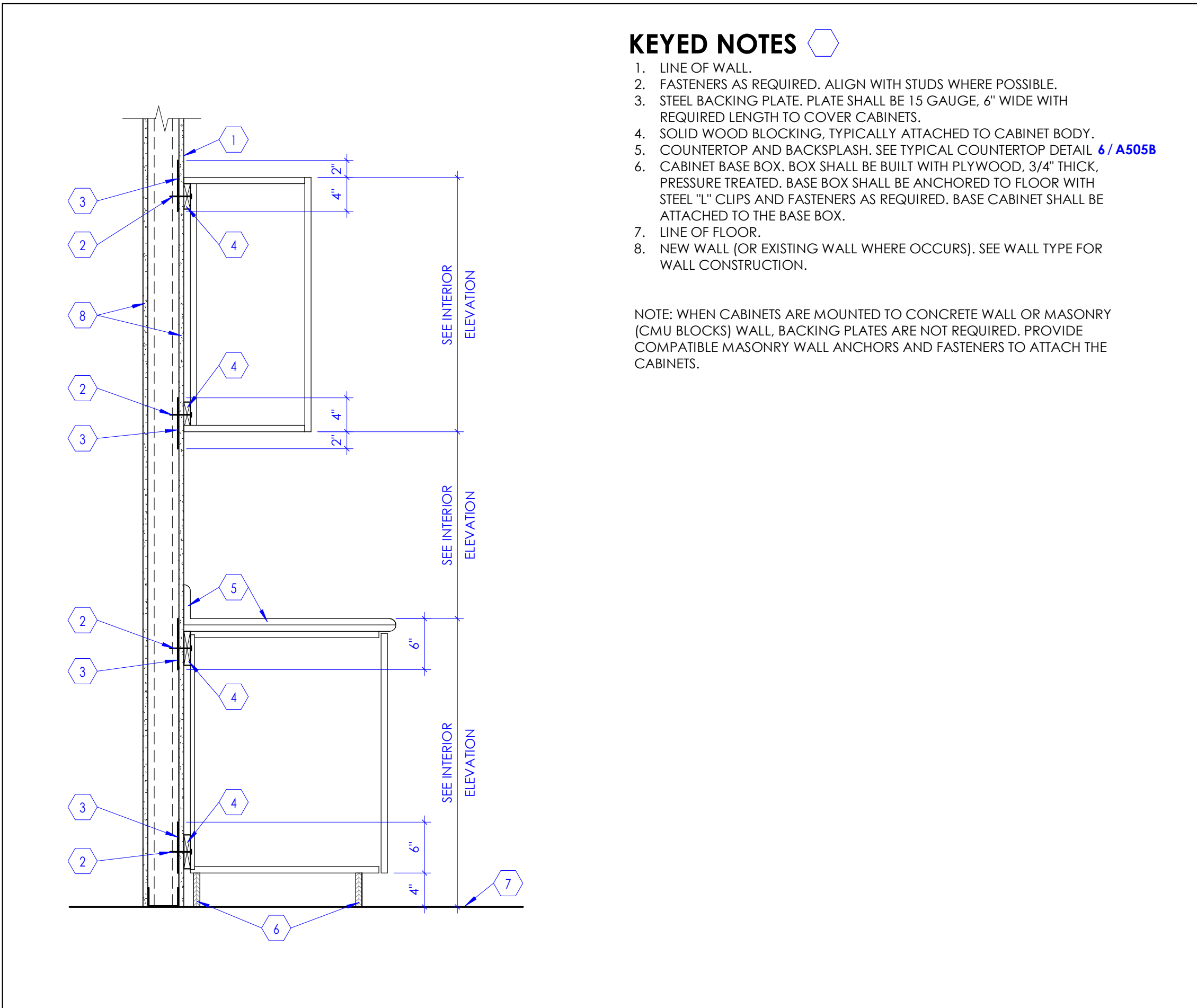
4 Steel Support For Countertop at Masonry & Concrete Walls
SCALE: 1" = 1'-0"



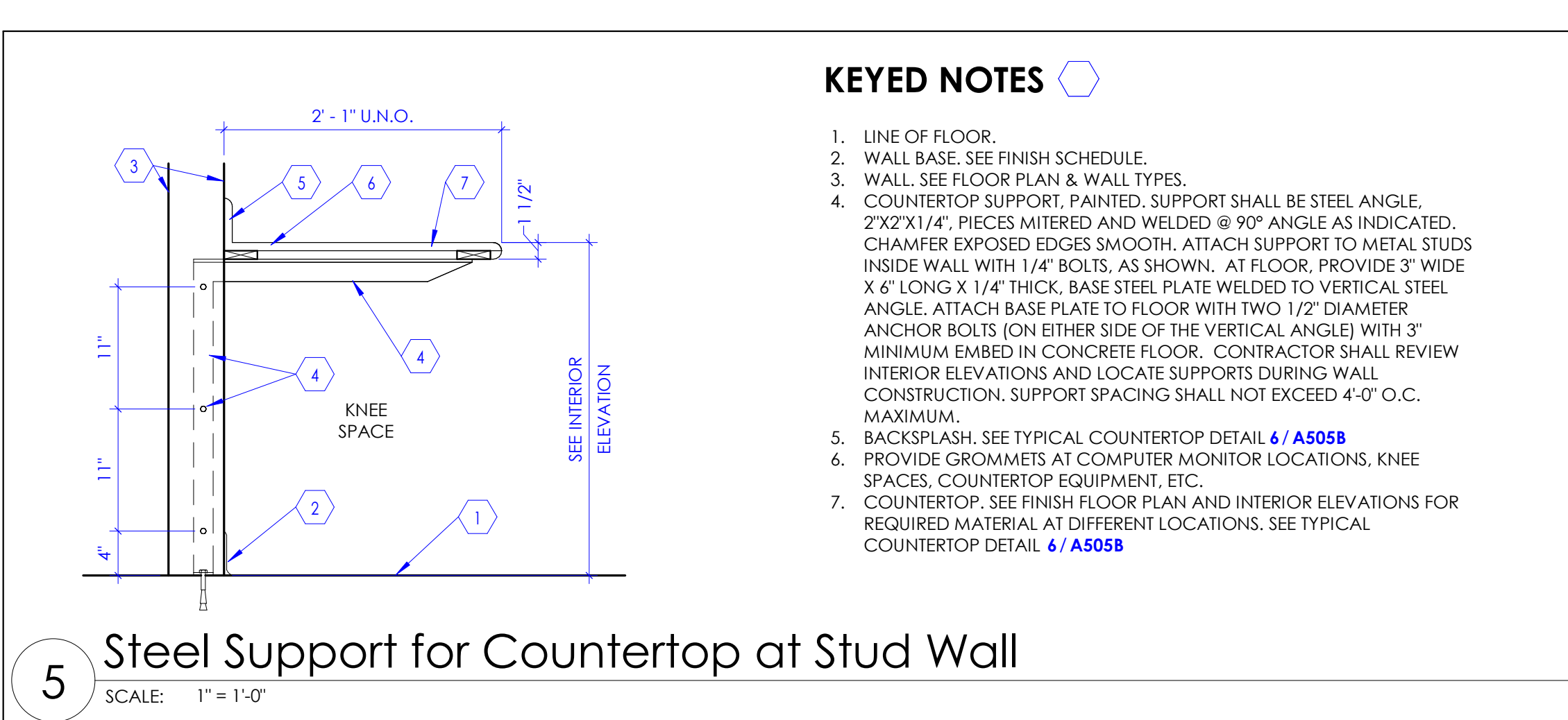
7 Sink with Base Cabinet
SCALE: 1" = 1'-0"



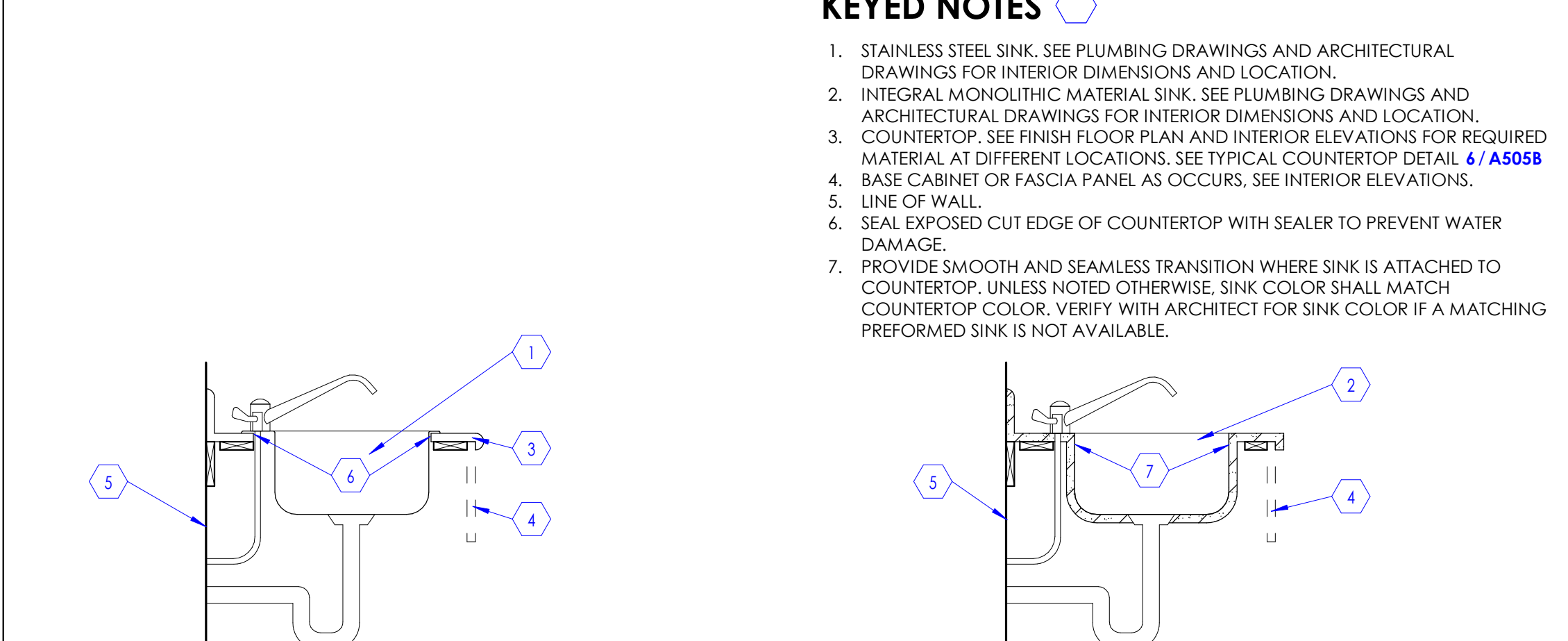
8 Sink without Base Cabinet
SCALE: 1" = 1'-0"



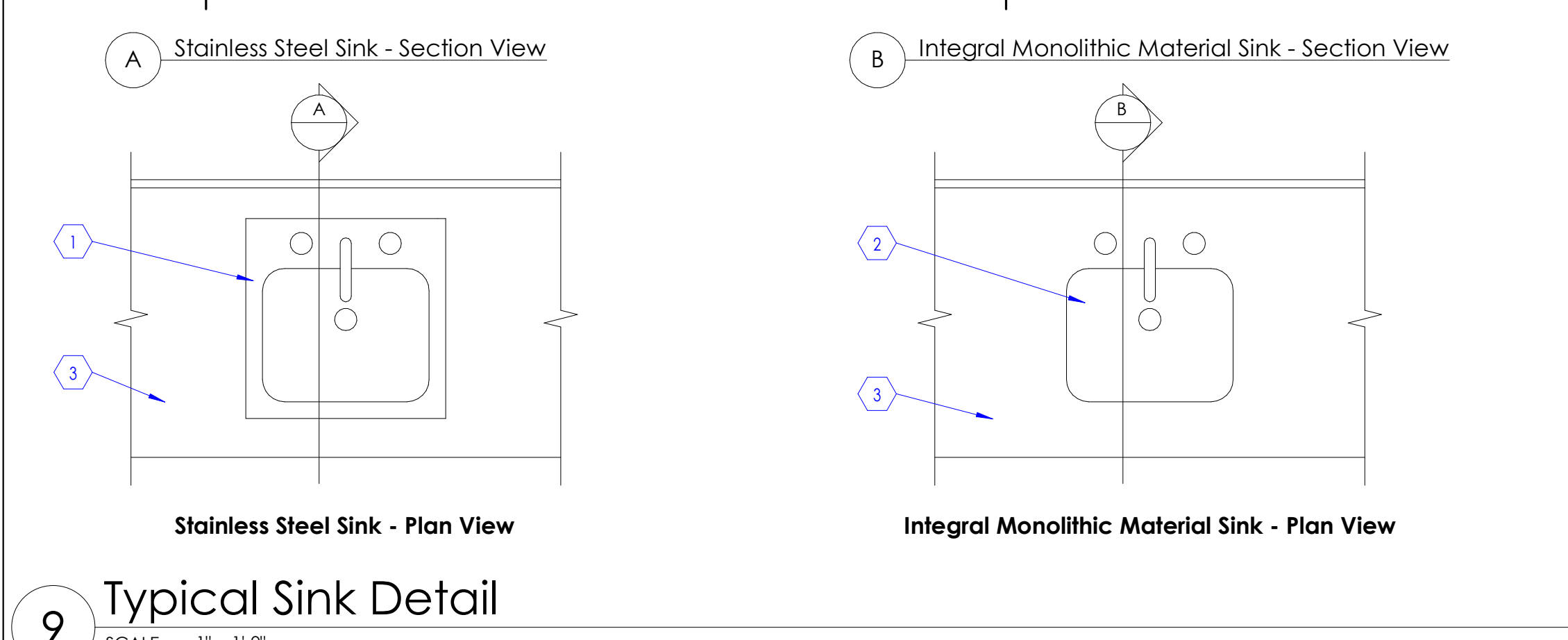
3 Typical Cabinet Body Attachment to Walls
SCALE: 1" = 1'-0"



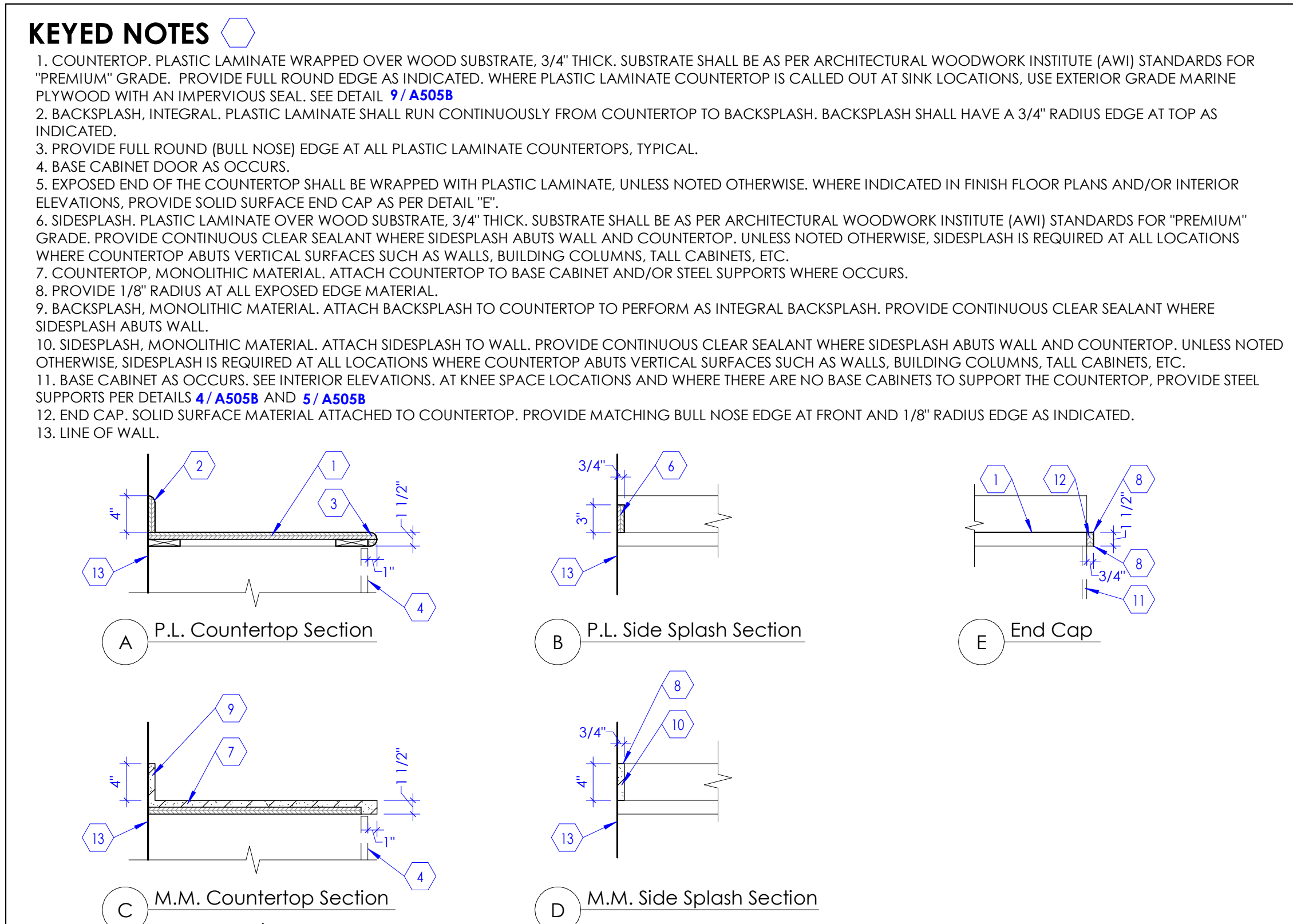
5 Steel Support for Countertop at Stud Wall
SCALE: 1" = 1'-0"



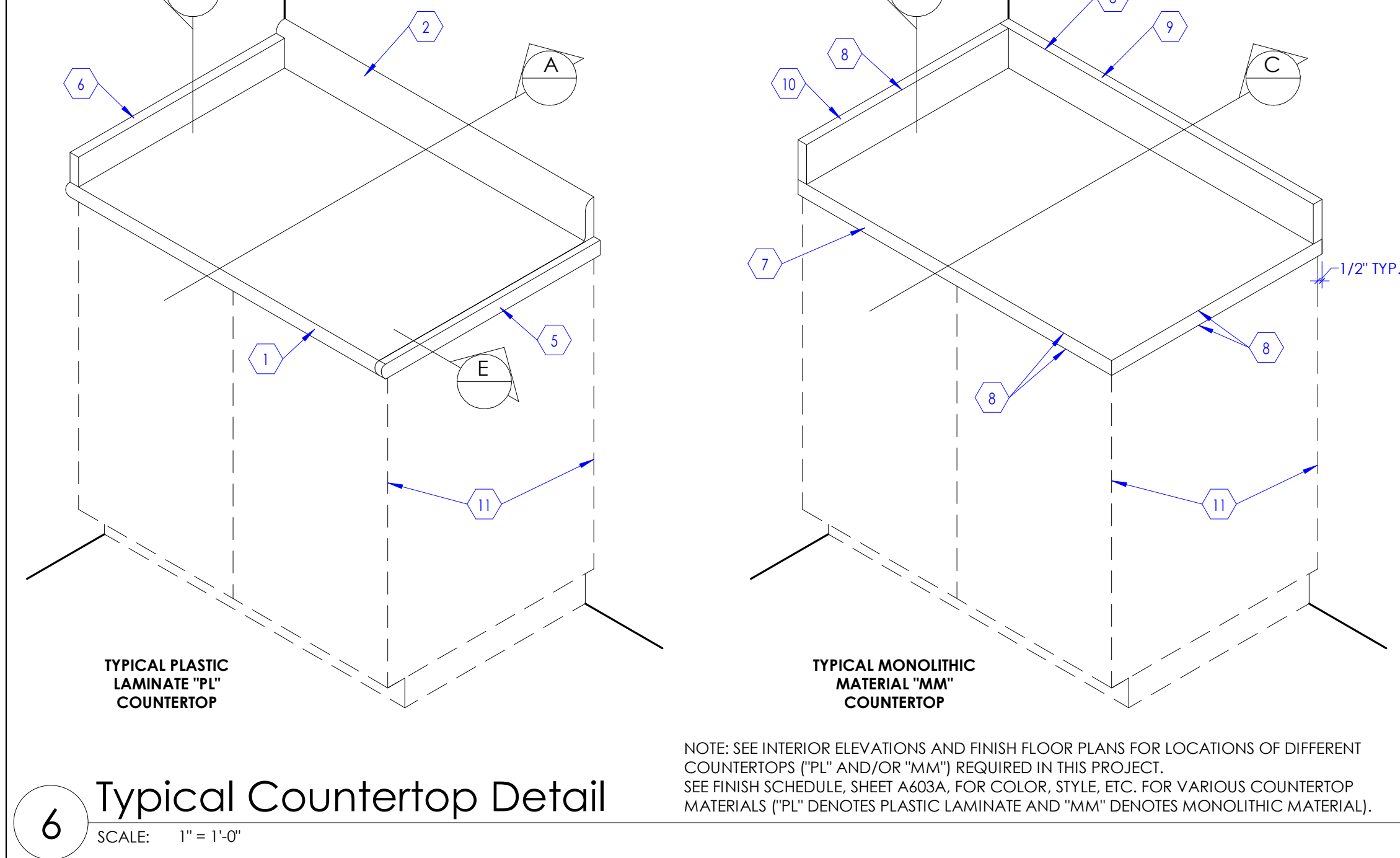
9 Typical Sink Detail
SCALE: 1" = 1'-0"



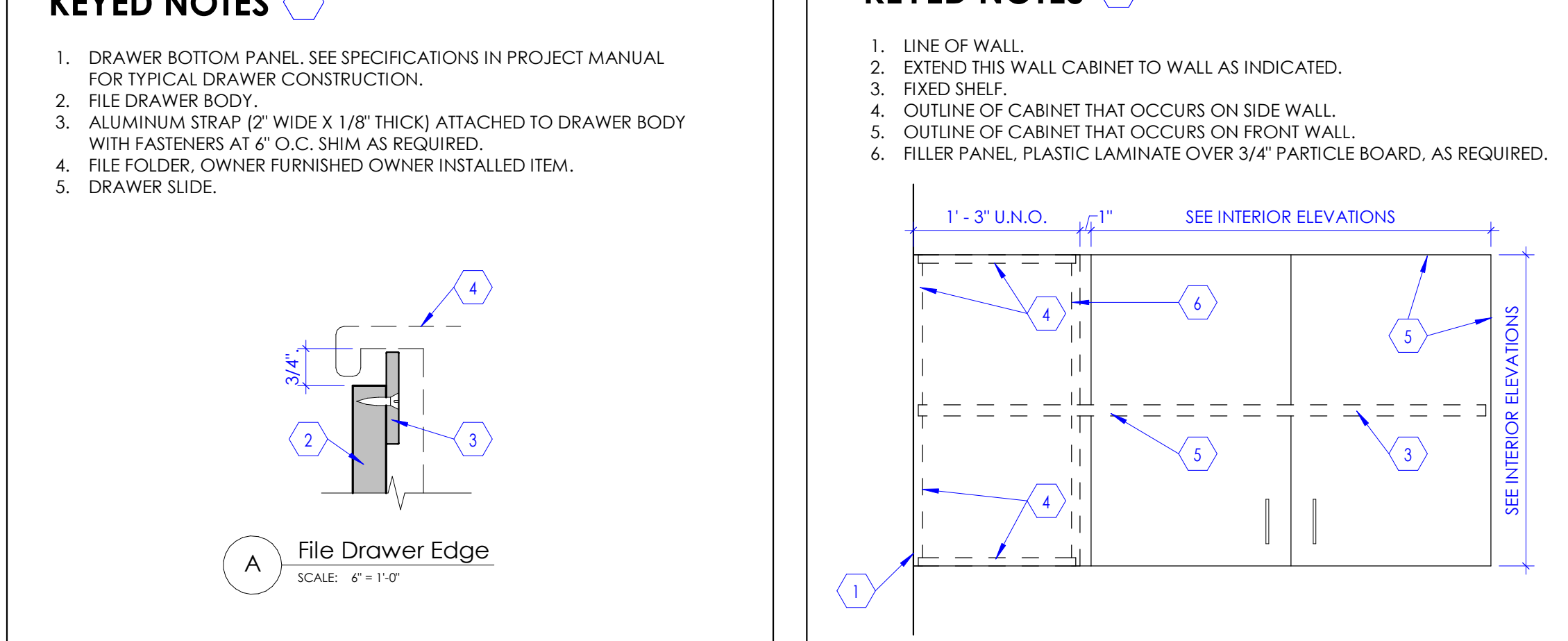
10 File Drawer Section
SCALE: 3" = 1'-0"



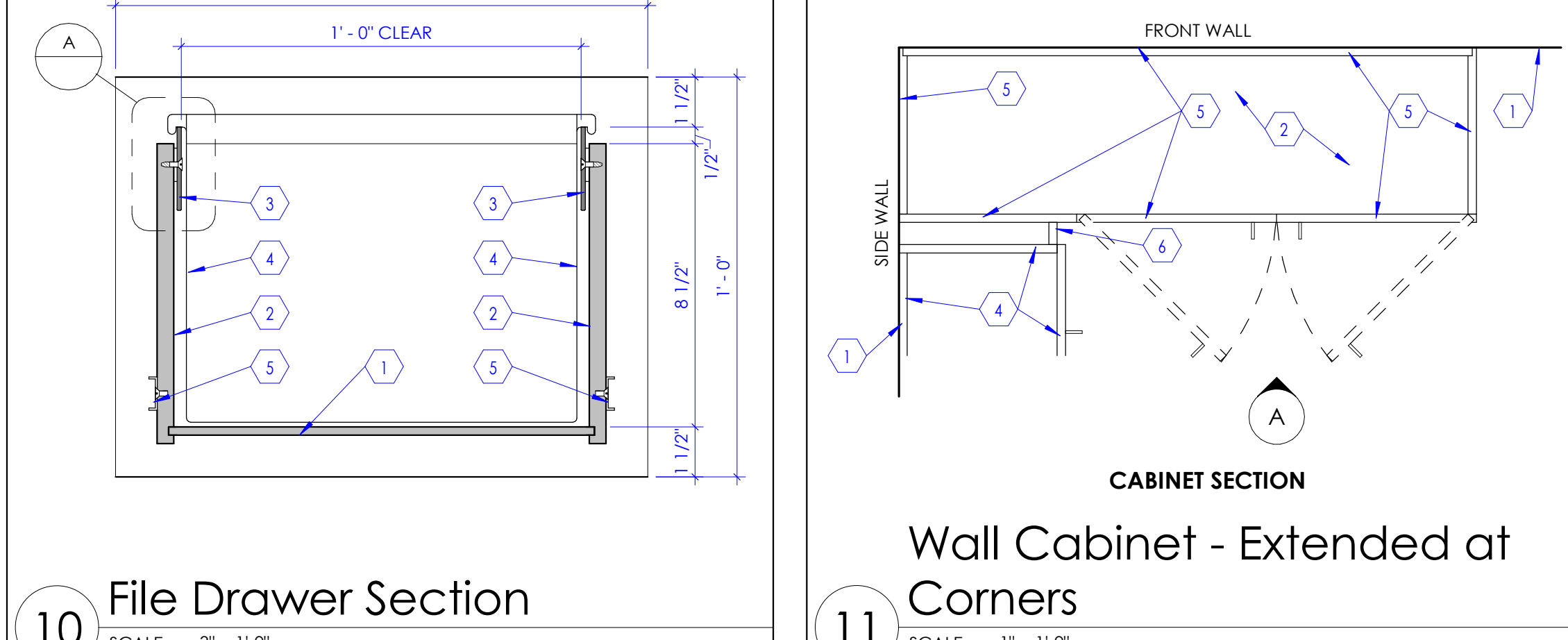
6 Typical Countertop Detail
SCALE: 1" = 1'-0"



11 Wall Cabinet - Extended at Corners
SCALE: 1" = 1'-0"



10 File Drawer Section
SCALE: 3" = 1'-0"



11 Wall Cabinet - Extended at Corners
SCALE: 1" = 1'-0"

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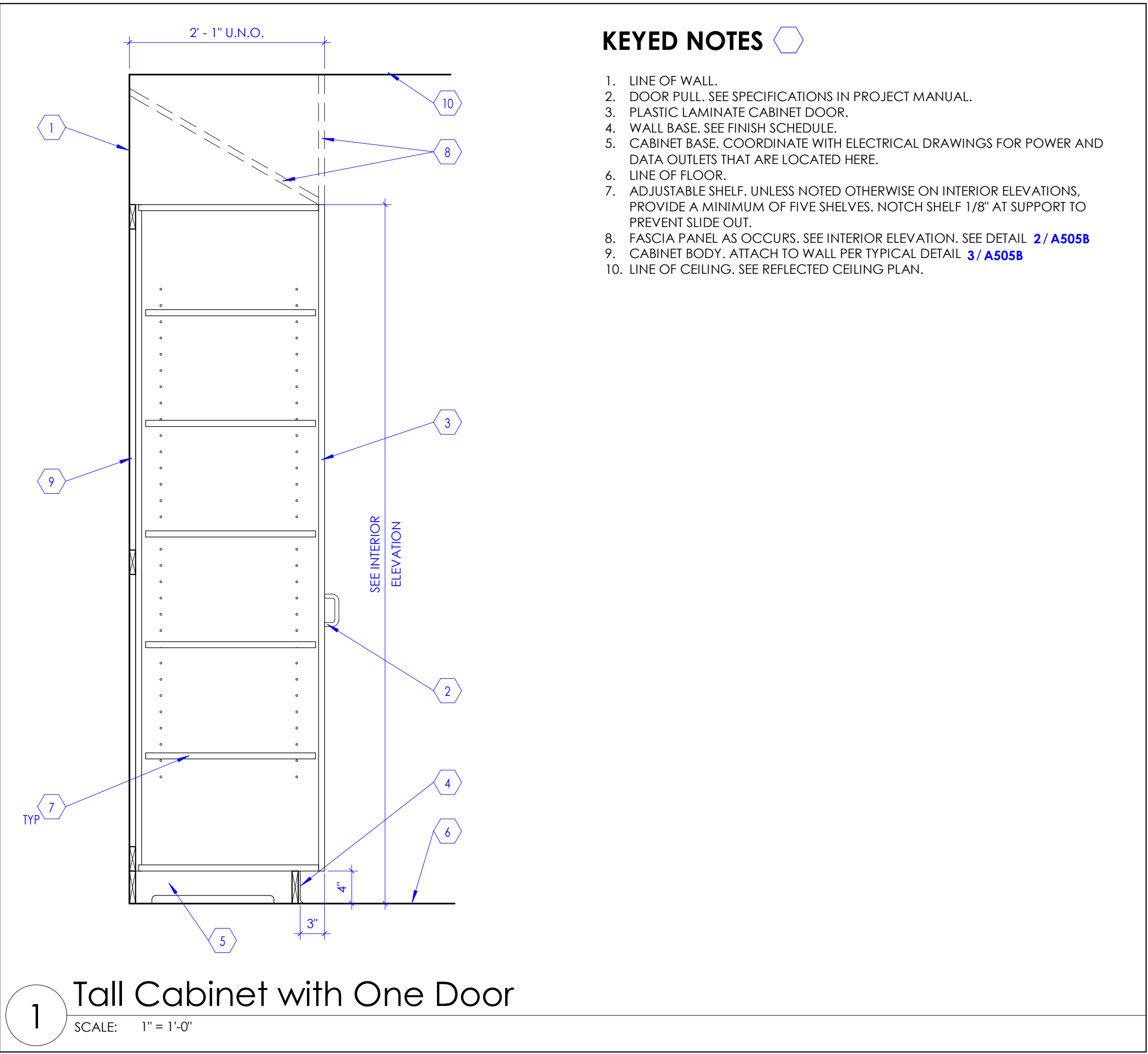
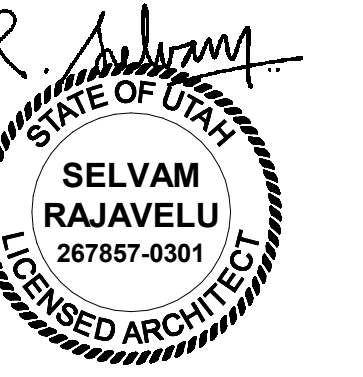
Intermountain Healthcare
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1034 North 500 W
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NJRA Project # 22230.00
Confirmed Set Feb. 23, 2023

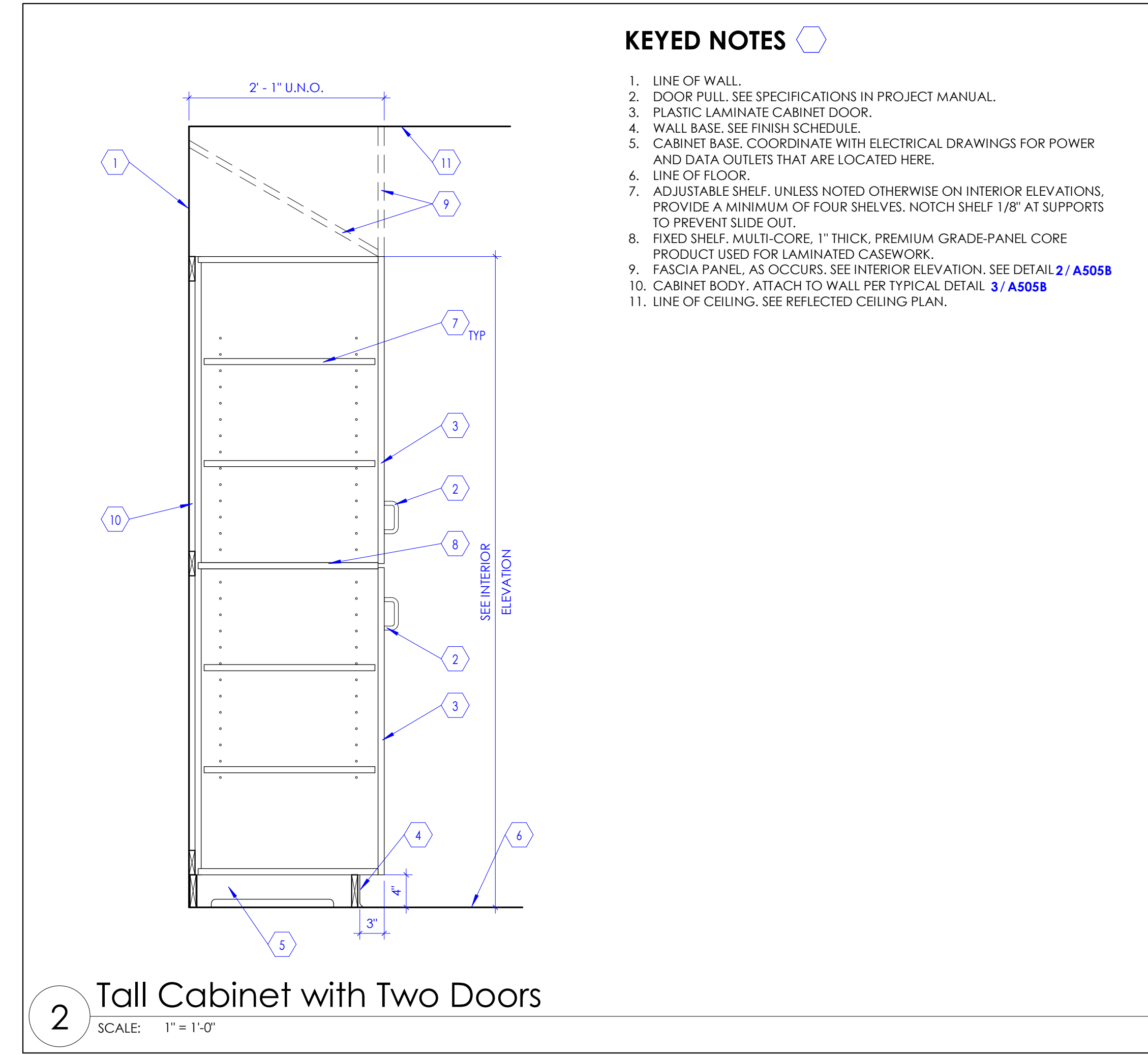
Cabinet
Details

A505B



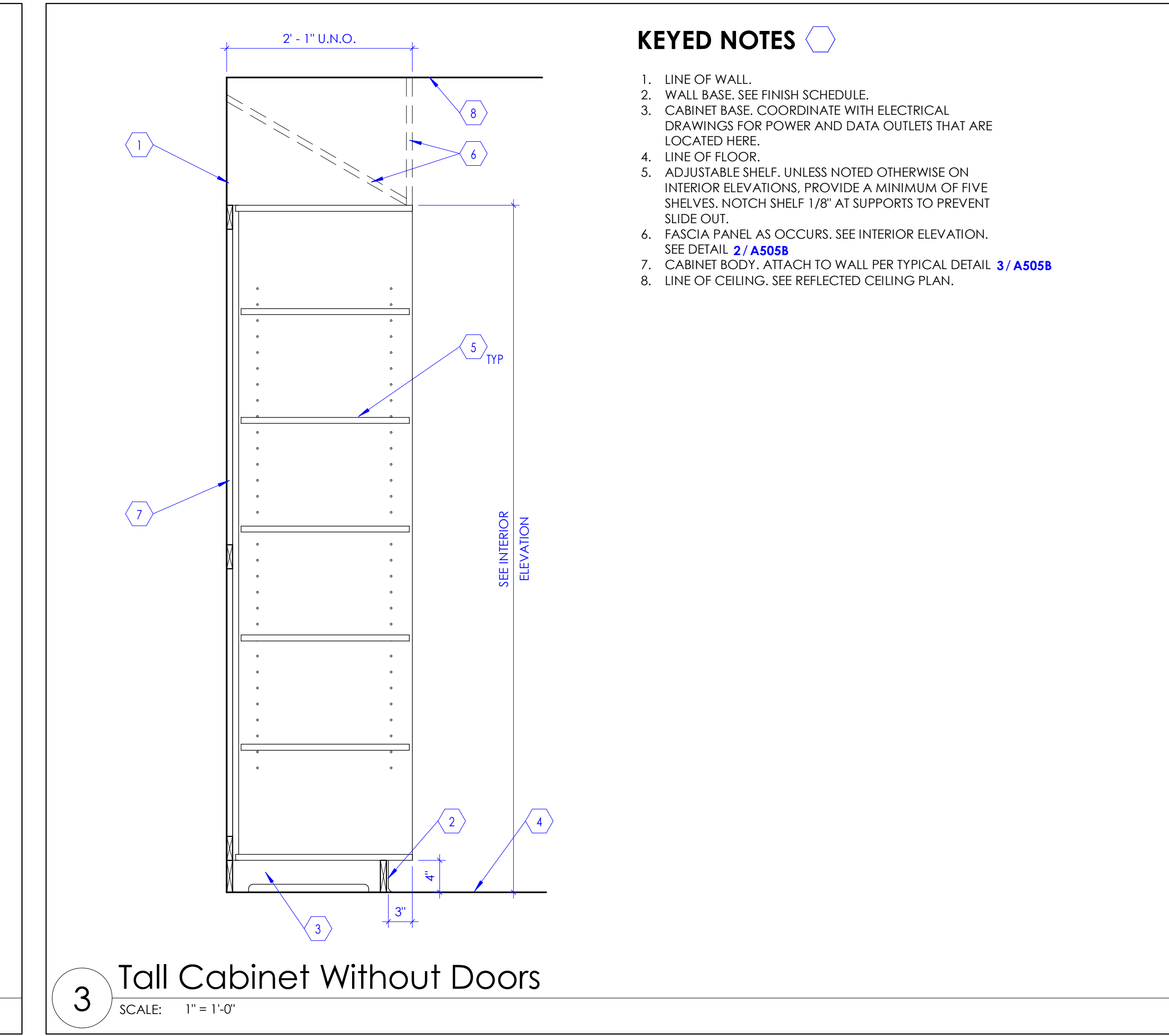
- KEYED NOTES**
1. LINE OF WALL.
 2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
 3. PLASTIC LAMINATE CABINET DOOR.
 4. WALL BASE. SEE FINISH SCHEDULE.
 5. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER AND DATA OUTLETS THAT ARE LOCATED HERE.
 6. LINE OF FLOOR.
 7. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF FIVE SHELVES, NOTCH SHELF 1/8" AT SUPPORT TO PREVENT SLIDE OUT.
 8. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL 2 / A505B
 9. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL 3 / A505B
 10. LINE OF CEILING. SEE REFLECTED CEILING PLAN.

1 Tall Cabinet with One Door
SCALE: 1" = 1'-0"



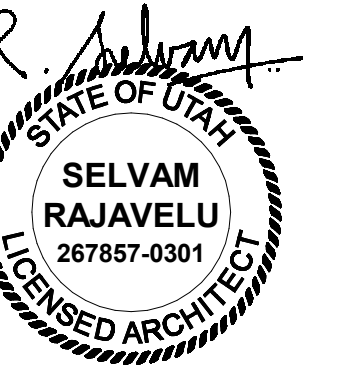
- KEYED NOTES**
1. LINE OF WALL.
 2. DOOR PULL. SEE SPECIFICATIONS IN PROJECT MANUAL.
 3. PLASTIC LAMINATE CABINET DOOR.
 4. WALL BASE. SEE FINISH SCHEDULE.
 5. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER AND DATA OUTLETS THAT ARE LOCATED HERE.
 6. LINE OF FLOOR.
 7. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF FOUR SHELVES, NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
 8. FIXED SHELF, MULTI-CORE, 1" THICK, PREMIUM GRADE-PANEL CORE PRODUCT USED FOR LAMINATED CASEWORK.
 9. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL 2 / A505B
 10. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL 3 / A505B
 11. LINE OF CEILING. SEE REFLECTED CEILING PLAN.

2 Tall Cabinet with Two Doors
SCALE: 1" = 1'-0"



- KEYED NOTES**
1. LINE OF WALL.
 2. WALL BASE. SEE FINISH SCHEDULE.
 3. CABINET BASE. COORDINATE WITH ELECTRICAL DRAWINGS FOR POWER AND DATA OUTLETS THAT ARE LOCATED HERE.
 4. LINE OF FLOOR.
 5. ADJUSTABLE SHELF. UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS, PROVIDE A MINIMUM OF FIVE SHELVES, NOTCH SHELF 1/8" AT SUPPORTS TO PREVENT SLIDE OUT.
 6. FASCIA PANEL AS OCCURS. SEE INTERIOR ELEVATION. SEE DETAIL 2 / A505B
 7. CABINET BODY. ATTACH TO WALL PER TYPICAL DETAIL 3 / A505B
 8. LINE OF CEILING. SEE REFLECTED CEILING PLAN.

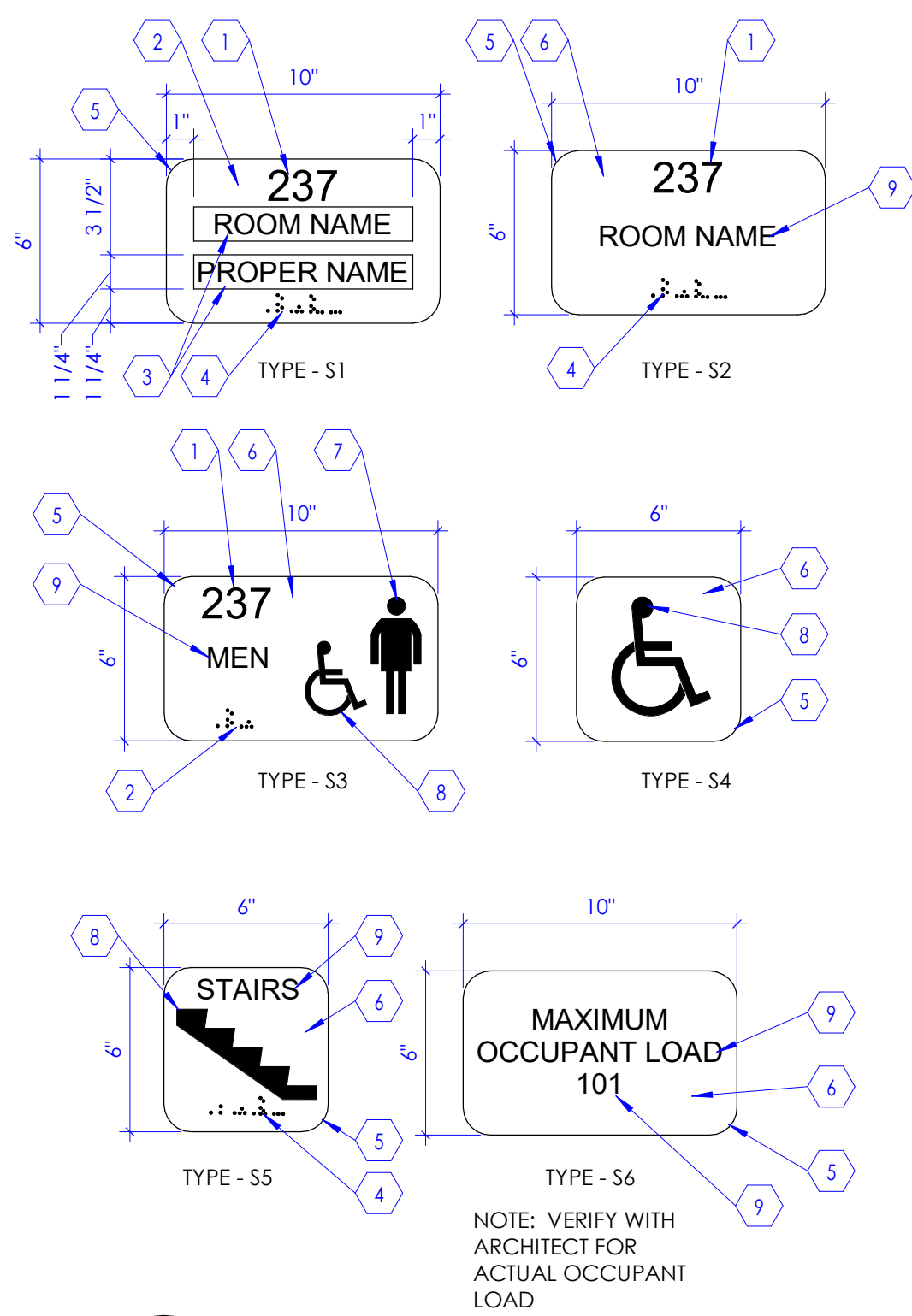
3 Tall Cabinet Without Doors
SCALE: 1" = 1'-0"



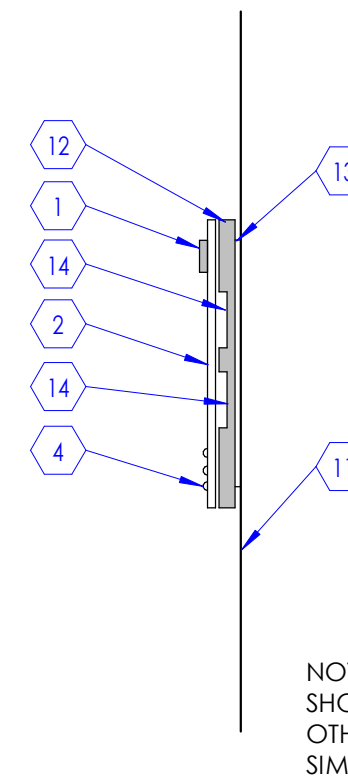
KEYED NOTES

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

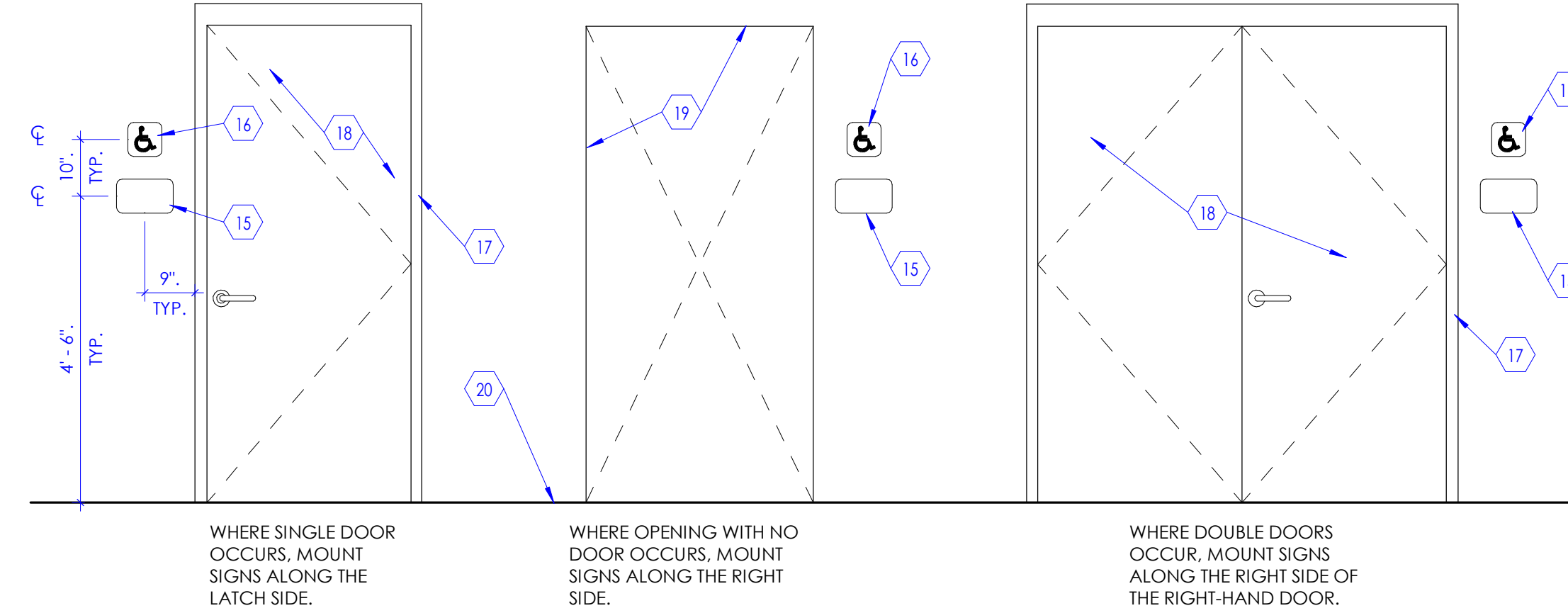
- NOTE:
- PROVIDE ROOM SIGN AT EACH DOORWAY OR A WALL OPENING LEADING TO A ROOM. SEE FINISH FLOOR PLAN FOR REQUIRED NUMBER OF SIGNS, SIGN TYPE, ROOM NAMES, ETC.
 - SIGN CONTRACTOR SHALL COORDINATE WITH OWNER AND PROVIDE TEXT INSERTS FOR OCCUPANTS PROPER NAME FOR ALL "TYPE S1" WALL SIGNS.
 - ALL COLORS 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"

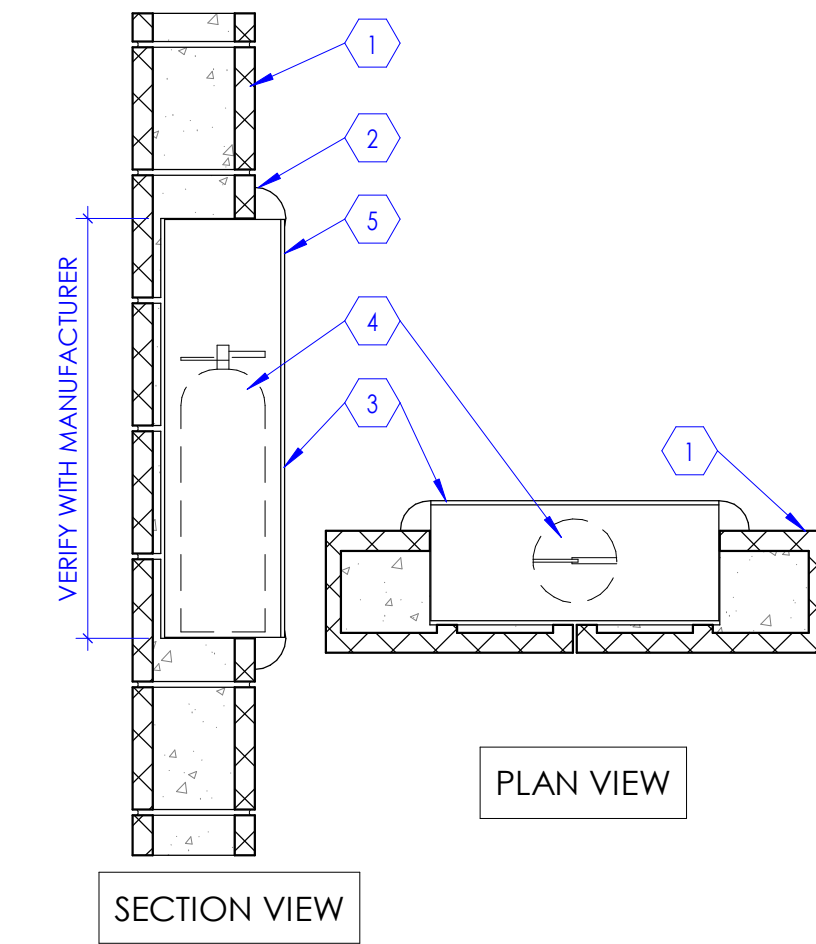


C Sign Mounting Elevations
SCALE: 1/2" = 1'-0"

NOTE: SIGNAGE IN THE PROJECT IS PROVIDED AND INSTALLED BY THE OWNER. DETAIL IS PROVIDED HERE FOR REFERENCE ONLY.

KEYED NOTES

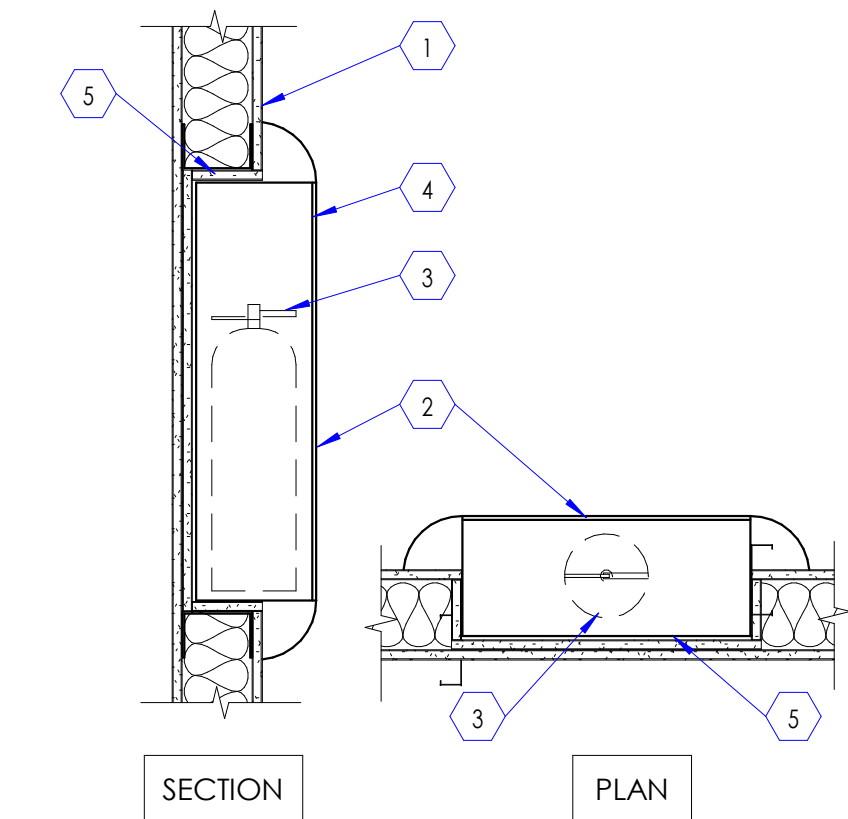
- INTERIOR MASONRY WALL - REINFORCE AROUND OPENINGS AS REQUIRED BY STRUCTURAL PLANS.
- CAULK @ PERIMETER.
- SEMI-RECESSED FIRE EXTINGUISHER CABINET. VERIFY WITH MANUFACTURER FOR ROUGH OPENING SIZE REQUIREMENTS.
- HAND HELD FIRE EXTINGUISHER.
- CABINET DOOR.



2 Fire Extinguisher Cabinet Detail
SCALE: 1" = 1'-0"

KEYED NOTES

- GYPSUM BOARD, 5/8" THICK, (USE TYPE 'X' IF WALLS ARE FIRE RATED) ATTACHED TO METAL STUD.
- FIRE EXTINGUISHER CABINET, SEMI-RECESSED. VERIFY WITH MANUFACTURER FOR ROUGH OPENING SIZE REQUIREMENTS.
- HAND HELD FIRE EXTINGUISHER.
- CABINET DOOR.
- COVER ALL SIDES OF CABINET WITH 5/8" THICK, TYPE 'X' GYPSUM BOARD.

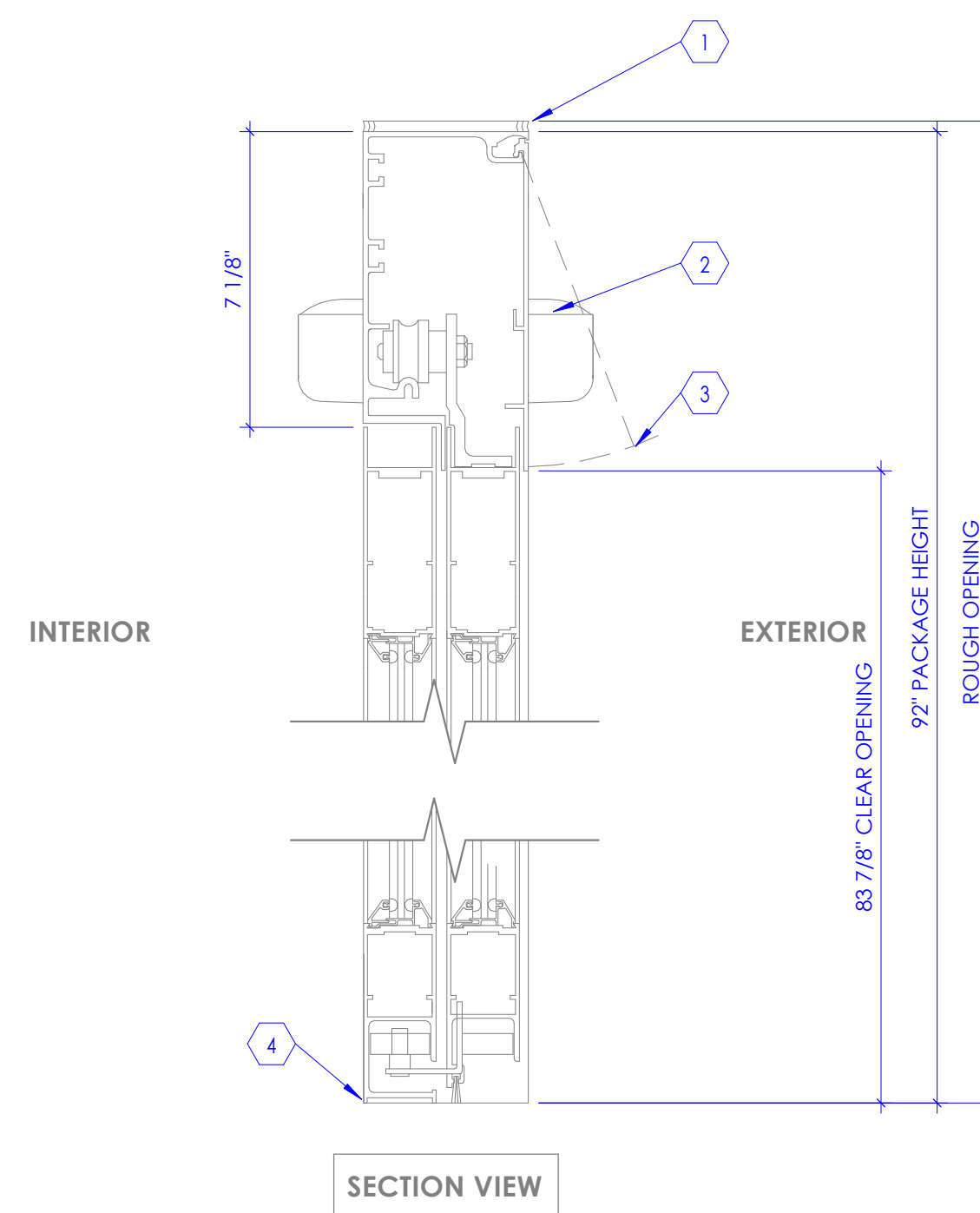


3 Fire Extinguisher Cabinet Detail
SCALE: 1" = 1'-0"

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

KEYED NOTES

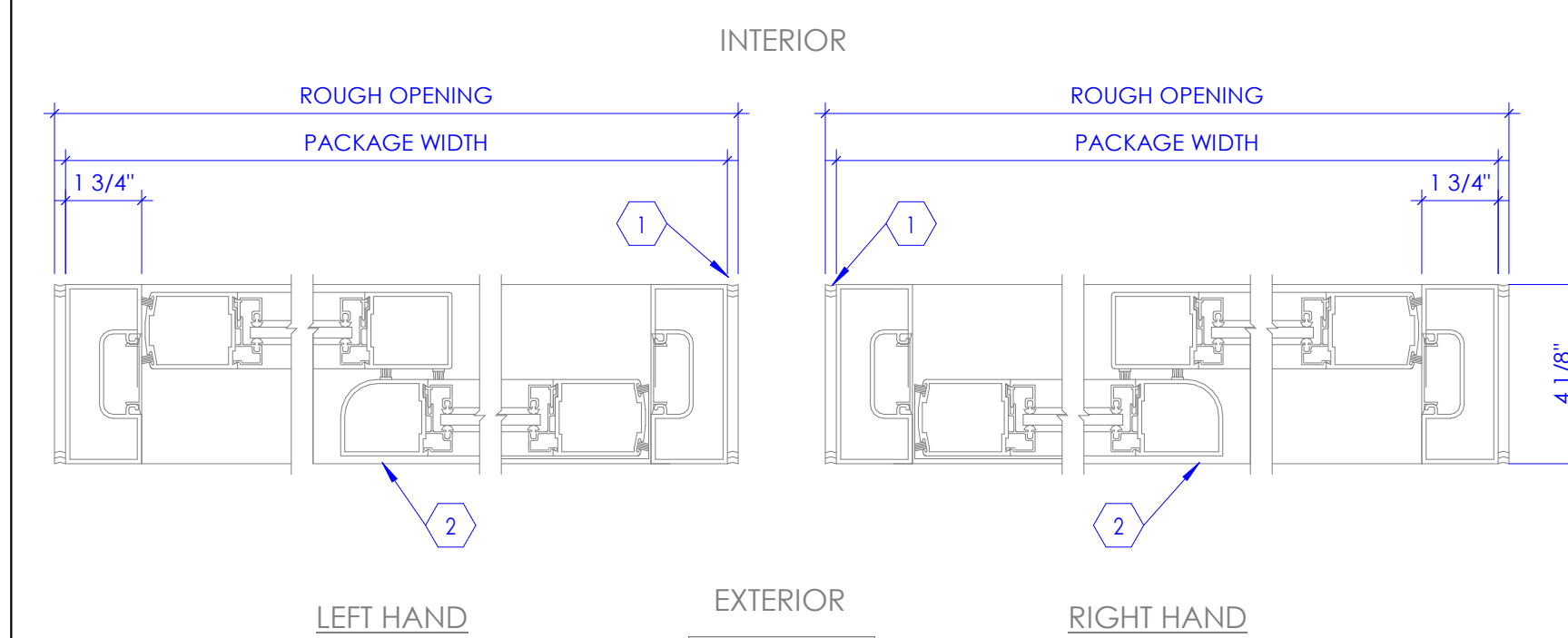
- 1/4" SHIM SPACE
- COMBINED ACTIVATION/SAFETY SENSOR
- ACCESS COVER
- SEE THRESHOLD DETAILS



7 Telescopic Sliding Door
SCALE: 3" = 1'-0"

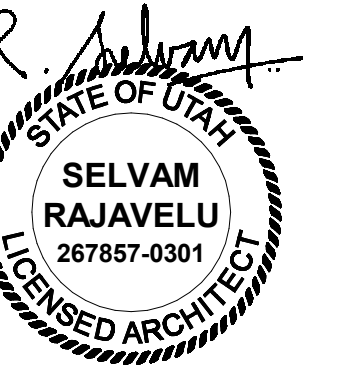
KEYED NOTES

- 1/4" SHIM SPACE
- HEADER ABOVE



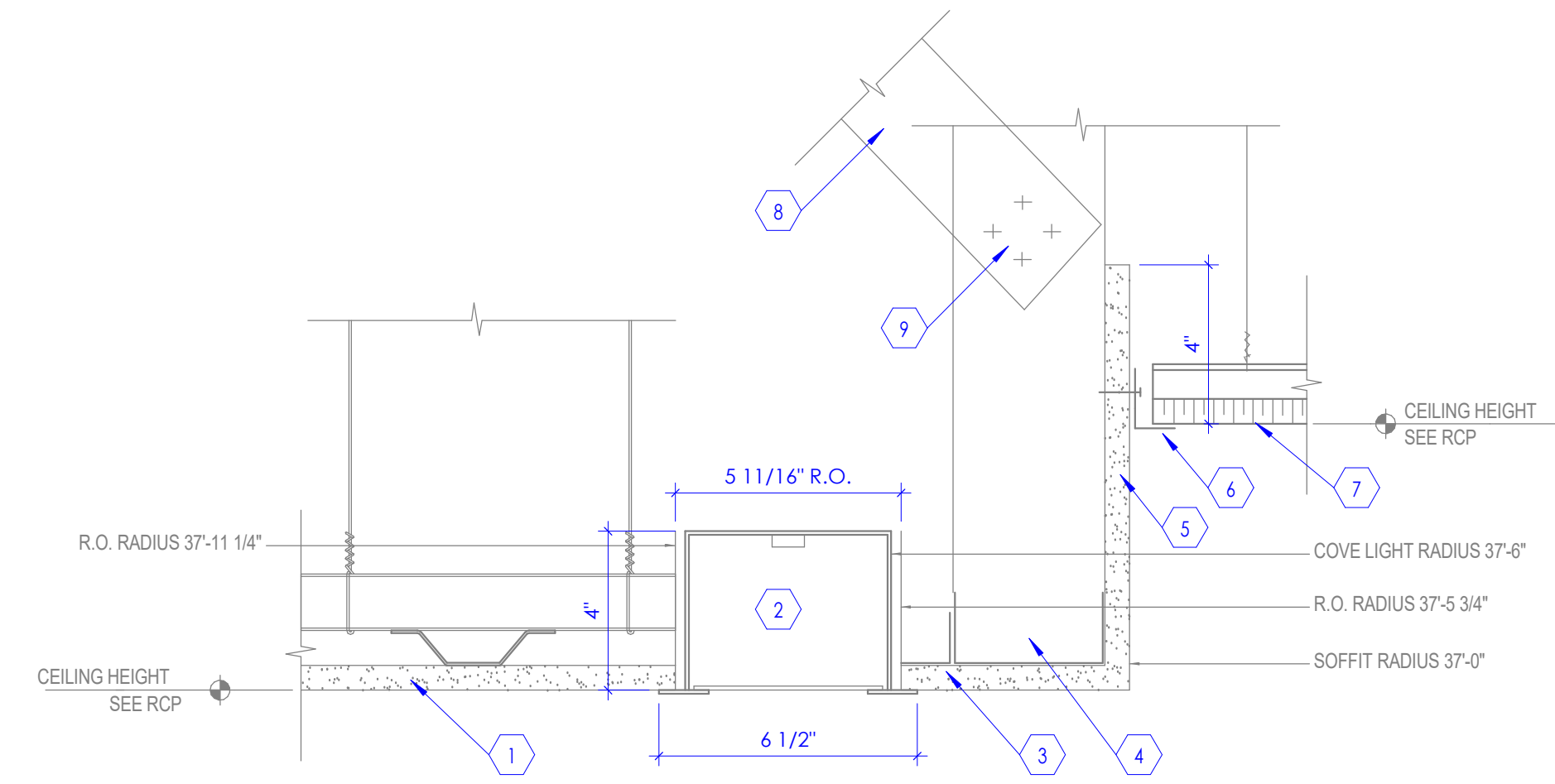
8 Telescoping Sliding Door
SCALE: 3" = 1'-0"

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KEYED NOTES

1. HARD LID CEILING.
2. CURVED COVE LIGHT FIXTURE. SEE REFLECTED CEILING PLAN PROVIDED BY PDC. INSTALLED BY ELECTRICAL CONTRACTOR.
3. L 1-1/2" X 1-1/2" X 18 GA X CONT. ATTACH TO METAL STUD FRAMING TO SUPPORT HANGING PORTION OF GYP. BD.
4. GYPSUM BOARD HEADER.
5. 5/8" TYPE 'X' GYPSUM BOARD, TYP.
6. PERIMETER ANGLE MOLDING.
7. ACOUSTICAL CEILING PANEL. SEE REFLECTED CEILING PLANS.
8. 3/8" MTL. LATERAL (45°) BRACING AT 4'-0" O.C. CONNECT TO STRUCTURE ABOVE.
9. SHEET METAL SCREWS (4) #10.



1 Gypsum Board Header Detail
SCALE: 3" = 1'-0"

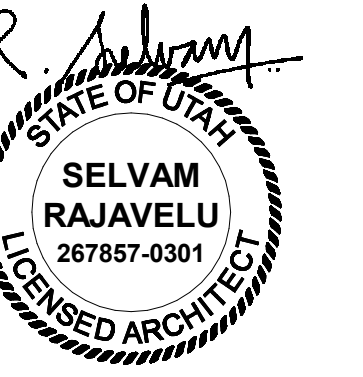
Intermountain Healthcare
Utah Valley Regional Medical Center
MRI Replacement

1034 North 500 W
Provo, Utah 84604

NJRA Project # 22230.00
Conformed Set Feb. 23, 2023

Details

A506B



DOOR SCHEDULE

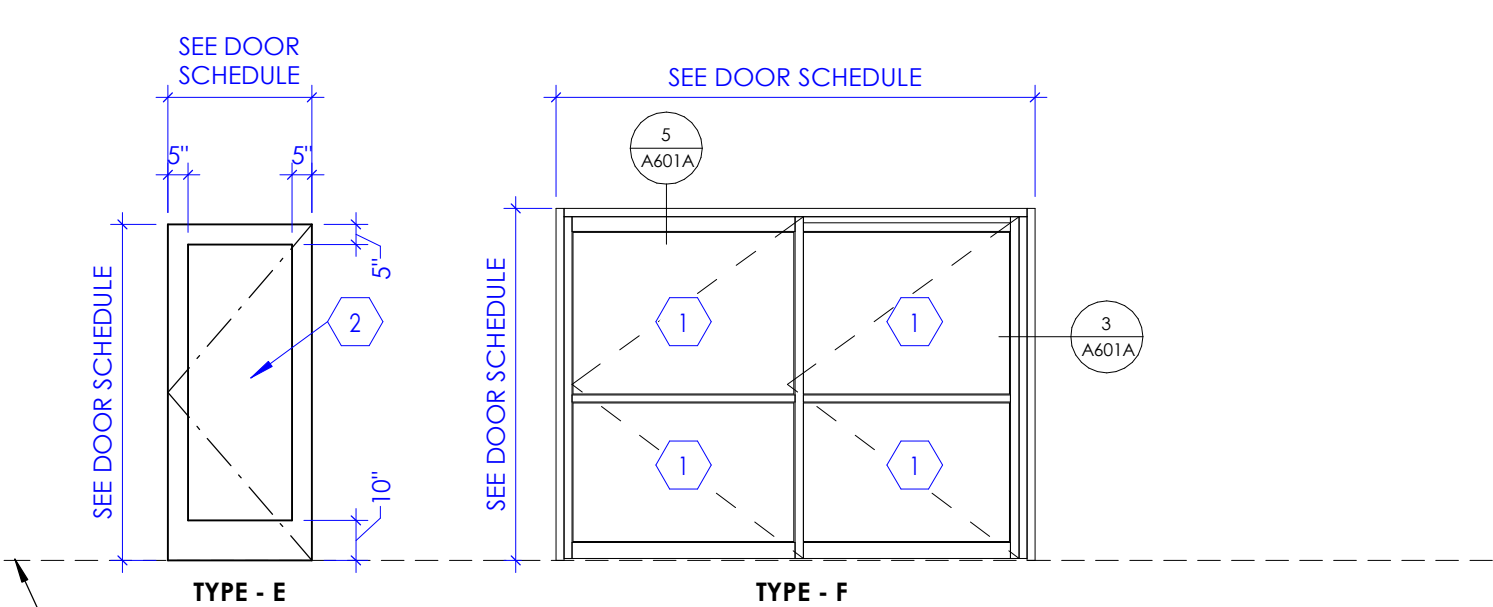
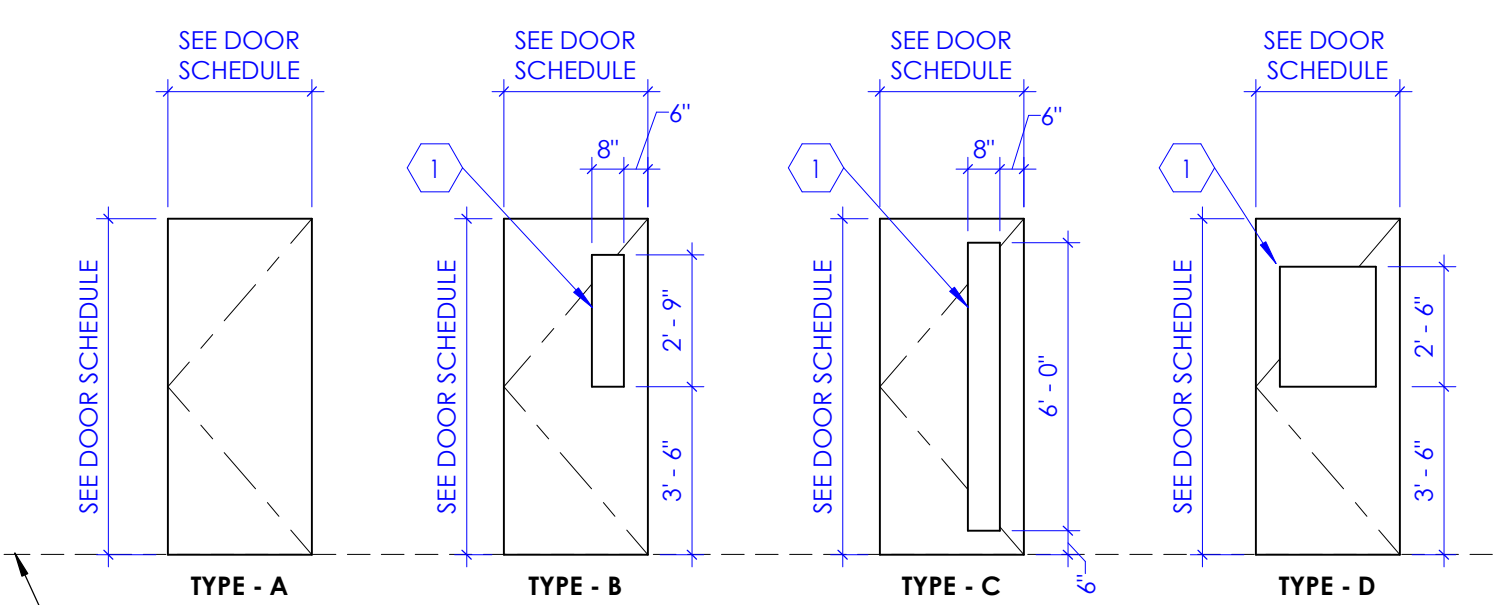
DOOR #	# OF PANELS	WIDTH		DOOR SIZE			FRAME			DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)	TYPE (2/A601A)	DEPTH	MATERIAL	JAMB	HEAD				
101A	2	8' - 0"		7' - 8"		AL/GL	F		AL	3/A601A	5/A601A		101A			1,5,6
101B	2	8' - 0"		7' - 8"		AL/GL	F		AL	3/A601A	5/A601A		101B			1,5,6
113A	1	4' - 0"		7' - 0"	1 3/4"	WD	A	1	11"				113A			2,5
113B	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	4/A601A	4/A601A	113B			3
117A	1	3' - 0"		7' - 0"	1 3/4"	WD	A	1	5 7/8"	HM	4/A601A	4/A601A	117A			4

COMMENTS

1. PROVIDE ACCESS CONTROL CARD READER. SEE ELECTRICAL DRAWINGS.
 2. RF DOOR AND JAMB PROVIDED BY OTHERS. SEE EQUIPMENT DRAWINGS. CONTACT OWNER'S VENDOR. PDC. FOR MORE INFORMATION.
 3. PROVIDE DOOR HARDWARE: HD105 RHO 636AM ANTIMICROBIAL PASSAGE FUNCTION LEVER WITH SATIN CHROME FINISH; (3) MCKINNEY T4A3381 HINGES, ROCKWOOD 608-RKW DOOR SILENCERS, (1) ROCKWOOD 409 US32D/430 WALL STOP
 4. REUSE PASSAGE LEVER, HINGES, DOOR STOP FROM PREVIOUSLY DEMOLISHED DOOR.
 5. DOOR HARDWARE BY MFG.
 6. PROVIDE TWO PANEL ALUMINUM AND GLASS AUTOMATIC SLIDING DOOR WITH FULL BREAKOUT. SEE SPECIFICATIONS.
- NOTE: ALL DOOR HARDWARE TO BE FIELD VERIFIED AND COORDINATED WITH FACILITY MANAGER TO COMPLY WITH HOSPITAL STANDARDS AND COMPATIBILITY WITH EXISTING HARDWARE.

KEYED NOTES

1. VISION PANEL, GLAZING IN VISION PANEL SHALL BE 1/4" THICK, CLEAR, TEMPERED, GLAZING. FOR WOOD DOOR, PROVIDE WOOD TRIM FRAME FLUSH WITH THE FACE OF THE DOOR, AROUND THE VISION PANEL OPENING. STAIN AND SPECIES OF WOOD TRIM SHALL MATCH WOOD DOOR. FOR HOLLOW METAL DOOR, PROVIDE METAL TRIM AROUND VISION PANEL. GLAZING SHALL BE FIRE RATED IF DOORS ARE REQUIRED TO BE FIRE RATED.
2. FOR EXTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE TINTED, INSULATED, TEMPERED, LOW E, AND 1" THICK. FOR INTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE CLEAR, TEMPERED AND 1/4" THICK. STAINLESS STEEL WELDED WIRE MESH (15 GAUGE) ATTACHED TO DOOR. PROVIDE FRAME AROUND THE OPENING IN DOOR TO SECURE THE MESH IN PLACE.
3. METAL LOUVER IN DOOR FOR VENTILATION.



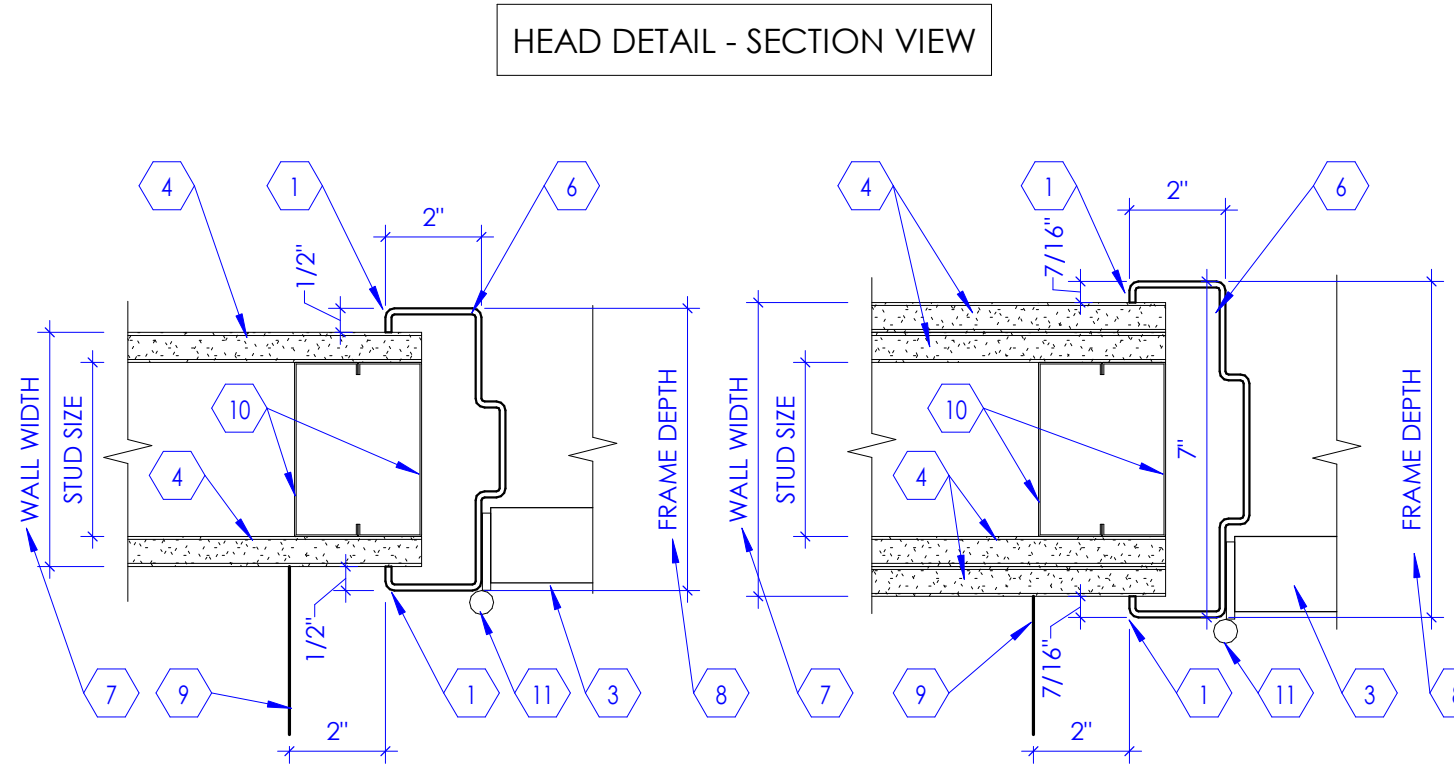
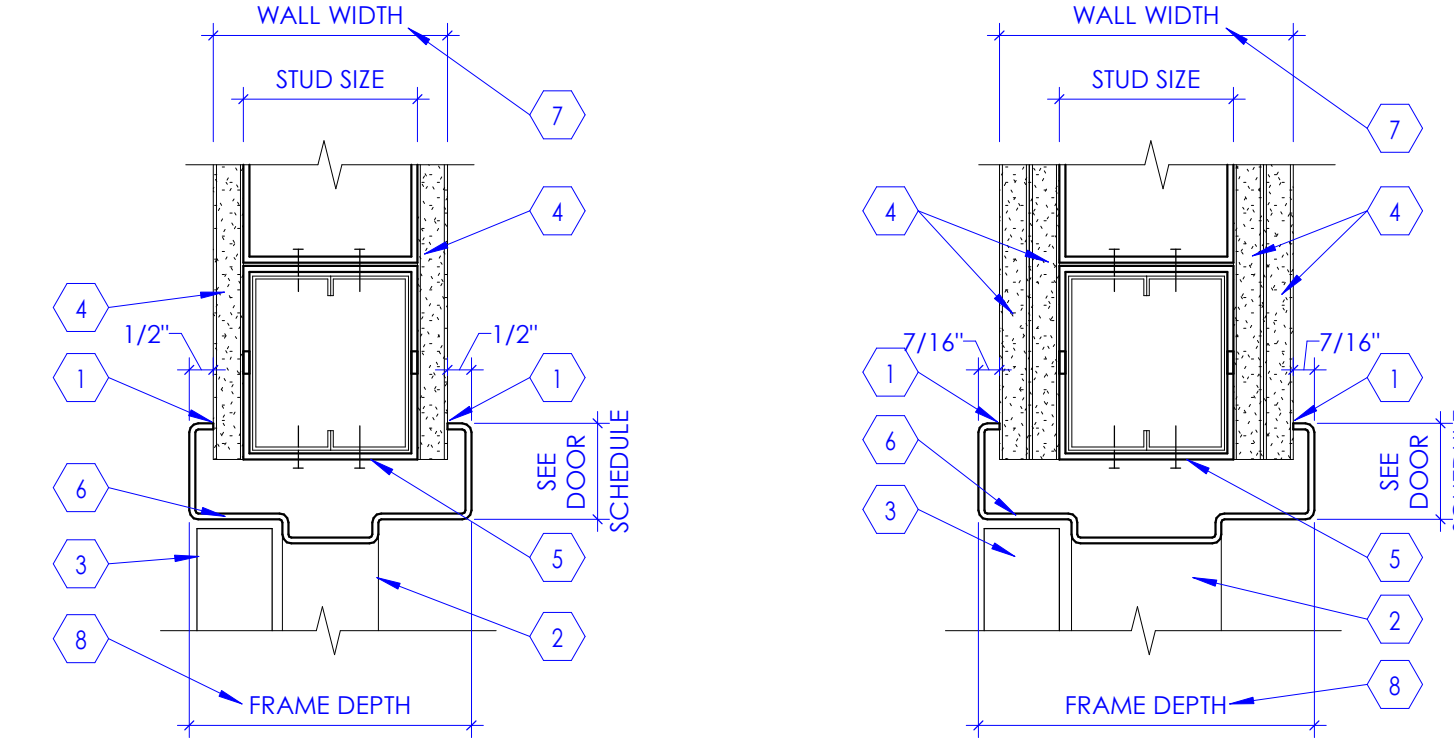
1 Door Types

NOTE: REFER TO "DOOR SCHEDULE" TABLE FOR DOOR TYPES REQUIRED FOR THIS PROJECT. SOME DOOR TYPE ELEVATIONS INDICATED ABOVE, MAY NOT BE APPLICABLE TO THIS PROJECT.

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

KEYED NOTES

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR FRAME SEEN BEYOND.
3. DOOR, SEE DOOR SCHEDULE FOR DOOR TYPE.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACH TO METAL STUD FRAMING. SEE WALL TYPES.
5. STEEL RUNNER (18 GAUGE) FASTENED WITH SCREWS TO STUD STUDS AT EACH END. SEE DETAIL 6 / A502A
6. HOLLOW METAL DOOR FRAME, FRAME THICKNESS VARIES WITH WALL THICKNESS. SEE FLOOR PLAN AND WALL SECTIONS, PAINT FRAME.
7. SEE WALL TYPES FOR WALL WIDTH AND STUD SIZE.
8. FRAME DEPTH SHALL BE WALL WIDTH PLUS 1".
9. LINE OF WALL AS OCCURS.
10. PROVIDE DOUBLE METAL STUDS AT FRAME JAMBS, WALL ENDS, ETC. PROVIDE STEEL STRAPS (6" HIGH 16 GAUGE STRAPS AT 2'-0" O.C.) SEE DETAIL 7 / A502A
11. DOOR HINGE AS OCCURS. SEE DOOR AND HARDWARE SCHEDULE. SEE FLOOR PLAN FOR DOOR SWING.

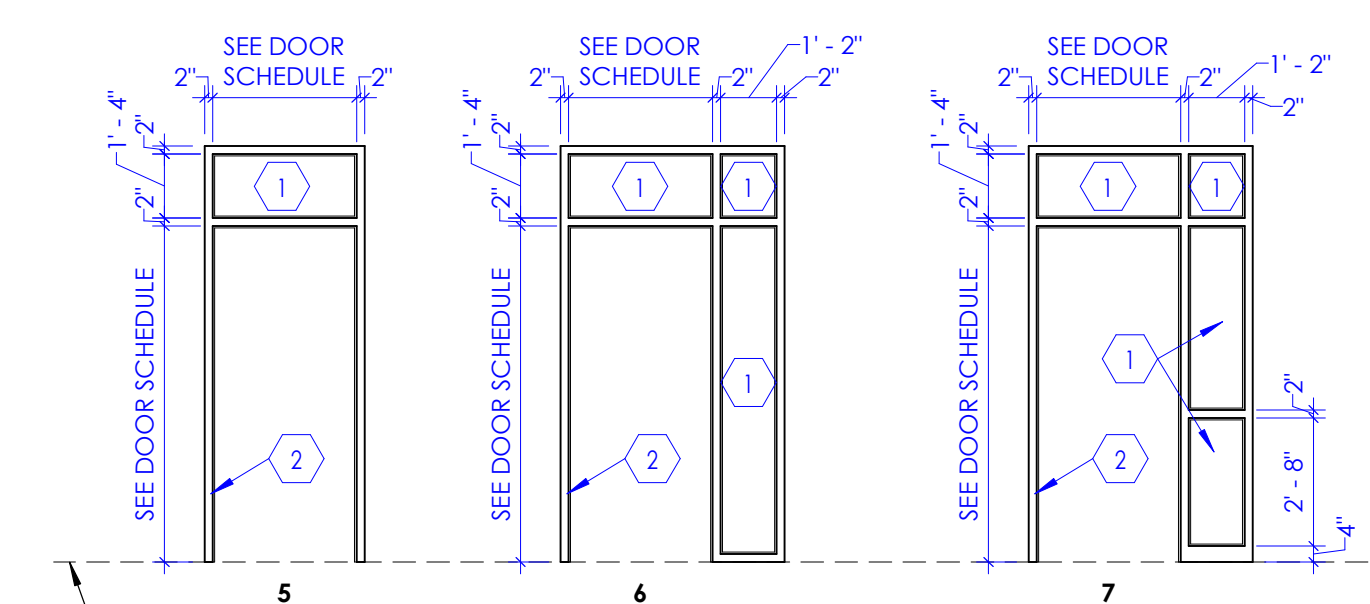
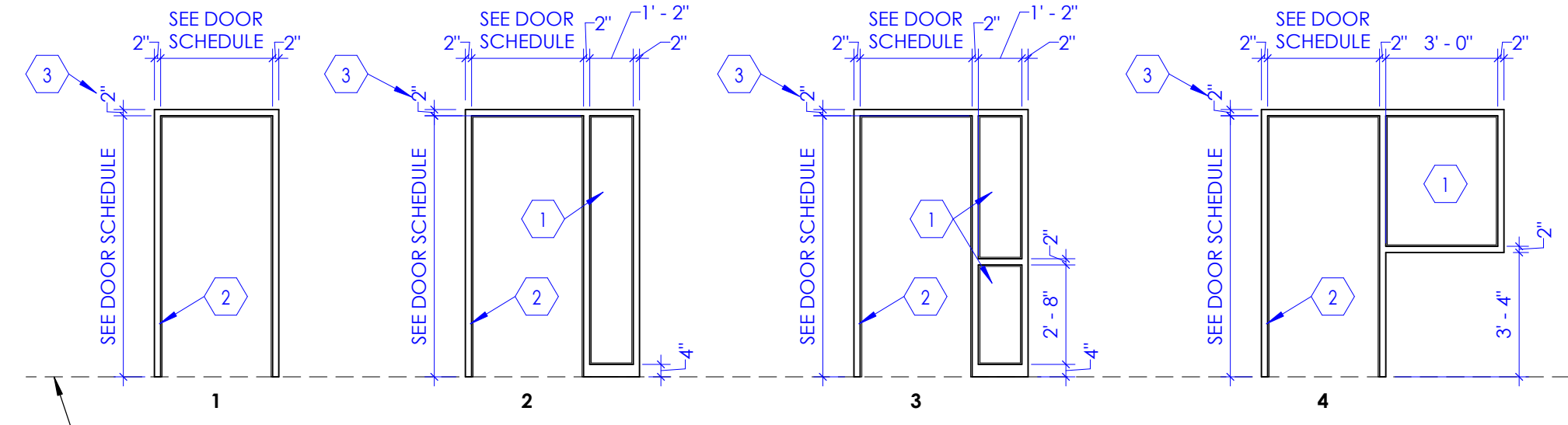


4 Door Frame in Stud Wall

SCALE: 3" = 1'-0"

KEYED NOTES

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.
2. DOOR FRAME, SEE DOOR SCHEDULE.
3. WHERE DOOR OCCURS AT MASONRY WALL (8" HIGH, C.M.U. BLOCKS), AND WITH A TYPICAL DOOR HEIGHT OF 7'-0", USE 4" FRAME AS FRAME HEAD INSTEAD OF THE STANDARD 2" FRAME.



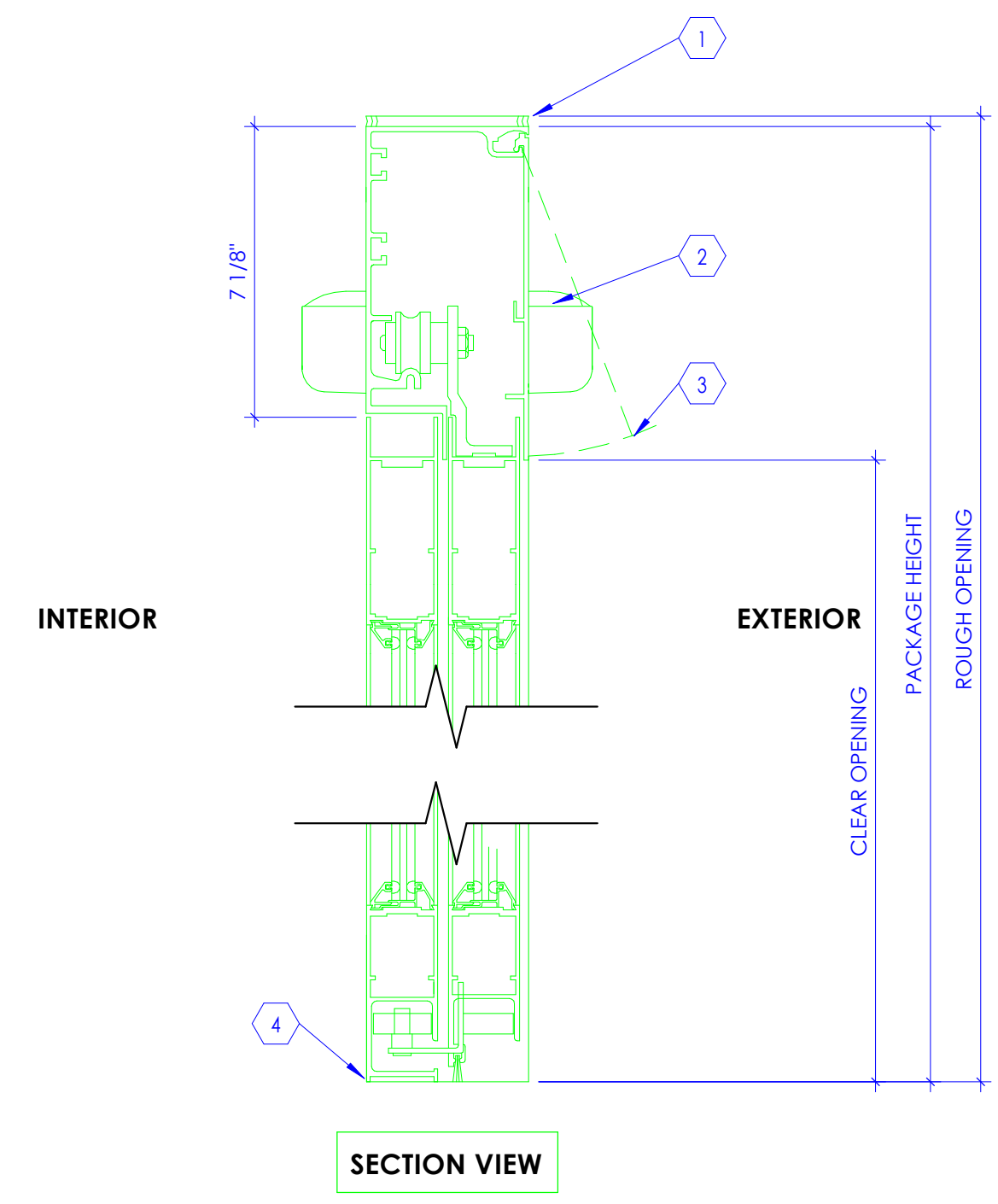
2 Frame Types

NOTE: REFER TO "DOOR SCHEDULE" FOR FRAME TYPES REQUIRED FOR THIS PROJECT. SOME FRAME TYPE ELEVATIONS INDICATED ABOVE MAY NOT BE APPLICABLE TO THIS PROJECT.

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

KEYED NOTES

1. 1/4" SHIM SPACE
2. NOT USED.
3. ACCESS COVER
4. SEE THRESHOLD DETAILS

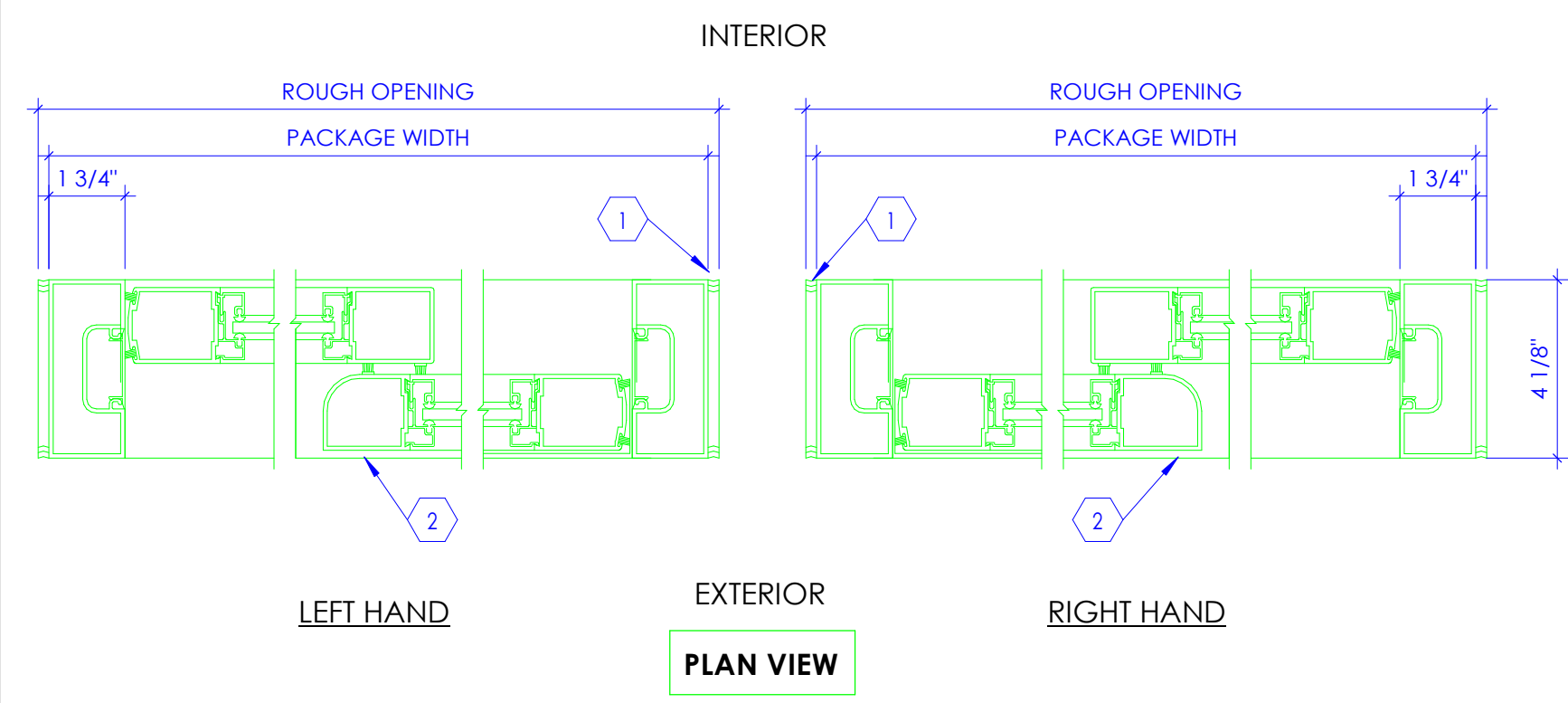


5 Glass Sliding Door Section

SCALE: 3" = 1'-0"

KEYED NOTES

1. 1/4" SHIM SPACE
2. HEADER ABOVE



3 Glass Sliding Door Plan

SCALE: 3" = 1'-0"

FINISH SCHEDULE

TAG	FINISH TYPE	SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH	12" X 24"	LUXURY VINYL TILE	MANNINGTON COMMERCIAL	COLOR ANCHOR STRIDE	C133	PEANUT SHELL	4
F2	FLOOR FINISH	18" X 18"	LUXURY VINYL TILE	MANNINGTON COMMERCIAL	SELECT TILE, FIERA	MSC218	FLINT	3
F3	FLOOR FINISH	18" X 36"	CARPET TILE	SHAW CONTRACT	STIPPLE TILE	-	SLATE	6
F4	FLOOR FINISH	18" X 36"	LUXURY VINYL TILE	MANNINGTON COMMERCIAL	DIVERGENT, ESTUARY	13551	MILKWEED	6
F5	FLOOR FINISH		CONCRETE SEALER	SHERWIN WILLIAMS	H&C COLORTOP, CONCRETE STAIN 50	SW 7655	STAMPED CONCRETE	-
B1	WALL BASE	4" HIGH	RUBBER BASE	ROPE	-	-	-	5
B2	WALL BASE	4" HIGH	RUBBER BASE	ROPE	PINNACLE	194	BURNT UMBER	-
B3	WALL BASE	4" HIGH	CARPET COVE	SHAW CONTRACT	CONTE	5A213	SLATE 13585	-
W1	WALL FINISH		PAINT	SHERWIN WILLIAMS	SATIN FINISH	-	-	5
W2	WALL FINISH		PAINT	SHERWIN WILLIAMS	SATIN FINISH	SW 7005	PURE WHITE	-
W3	WALL FINISH		PAINT - ACCENT COLOR	SHERWIN WILLIAMS	SATIN FINISH	-	-	-
MS1	MISC. SURFACE FINISH		DOOR FRAME PAINT	SHERWIN WILLIAMS	SEMI-GLOSS FINISH	-	-	5
C1	CEILING FINISH	24" X 24"	ACOUSTICAL CEILING TILES AND GRID	ULTIMA HEALTH ZONE	SQUARE LAY-IN 15/16	1935	TILES: WHITE, GRID: WHITE	2
C2	CEILING FINISH		PAINTED GYPSUM CEILING	SHERWIN WILLIAMS	FLAT FINISH	SW 7005	PURE WHITE	-
PL1	PLASTIC LAMINATE FINISH		PLASTIC LAMINATE SHEET OVER SUBSTRATE	WILSONART	GLOSS LINE FINISH	8213K-28	PHANTOM COCOA	-
MM1	MONOLITHIC MATERIAL		SOLID SURFACE	CORIAN SOLID SURFACE	-	-	WHITIE JASMINE	-
WP1	WALL PROTECTION		HAND RAIL AND CORNER GUARDS	INPRO	-	-	-	1
WP2	WALL PROTECTION		WAINSCOT PANEL	INPRO	PALLADIUM RIGID SHEET	-	FEATHER 0238	7
WP3	WALL PROTECTION	2" LEGS	CORNER GUARDS	INPRO	HIGH IMPACT CORNER GUARDS	-	FEATHER 0238	8

COMMENTS

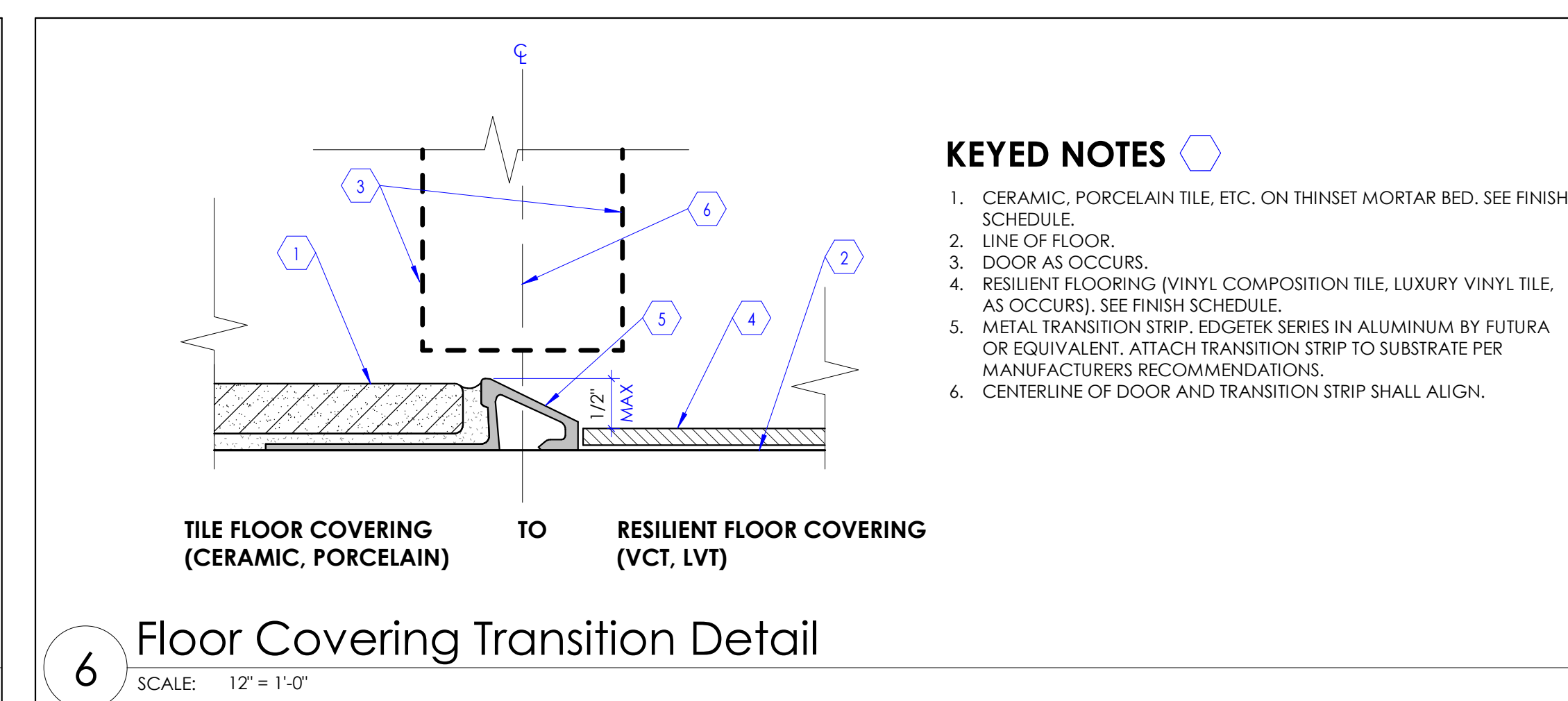
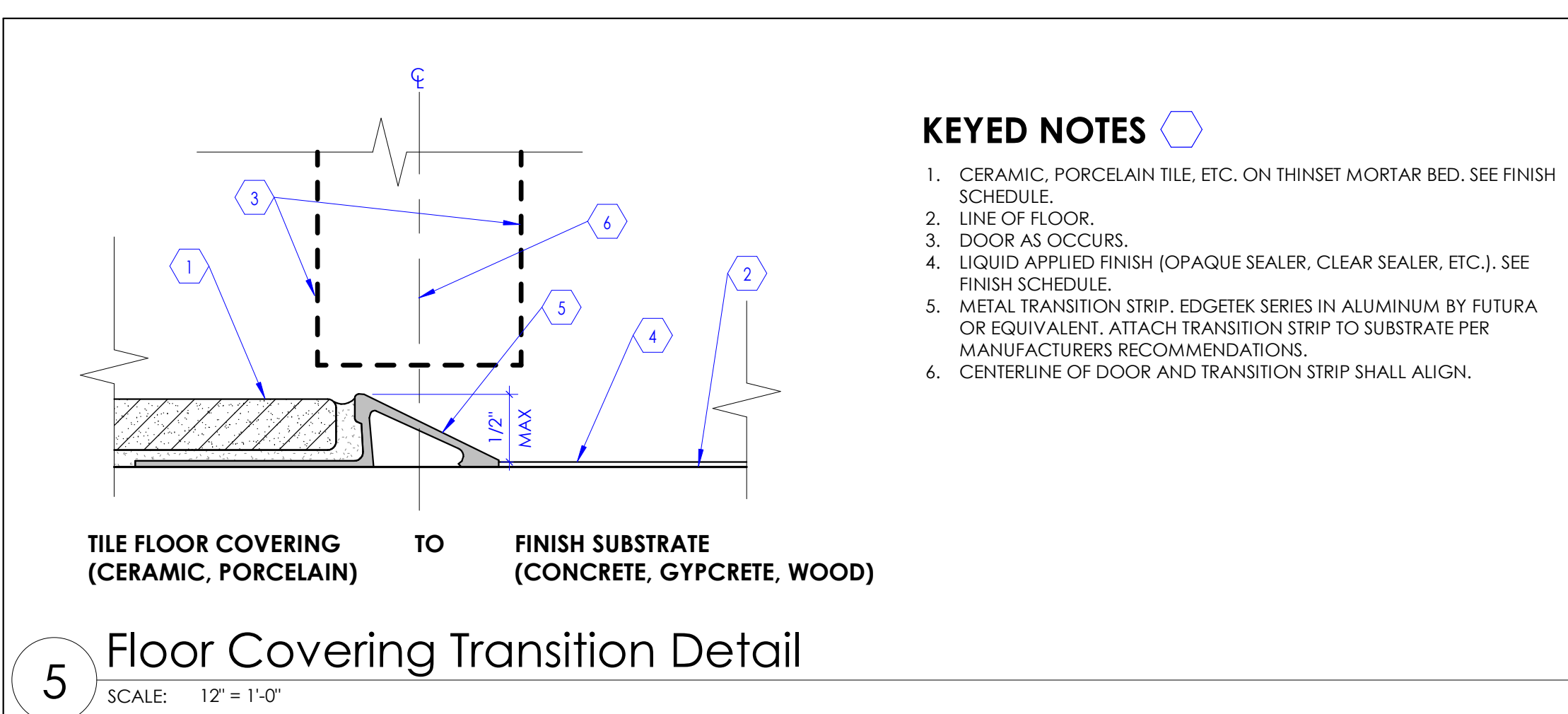
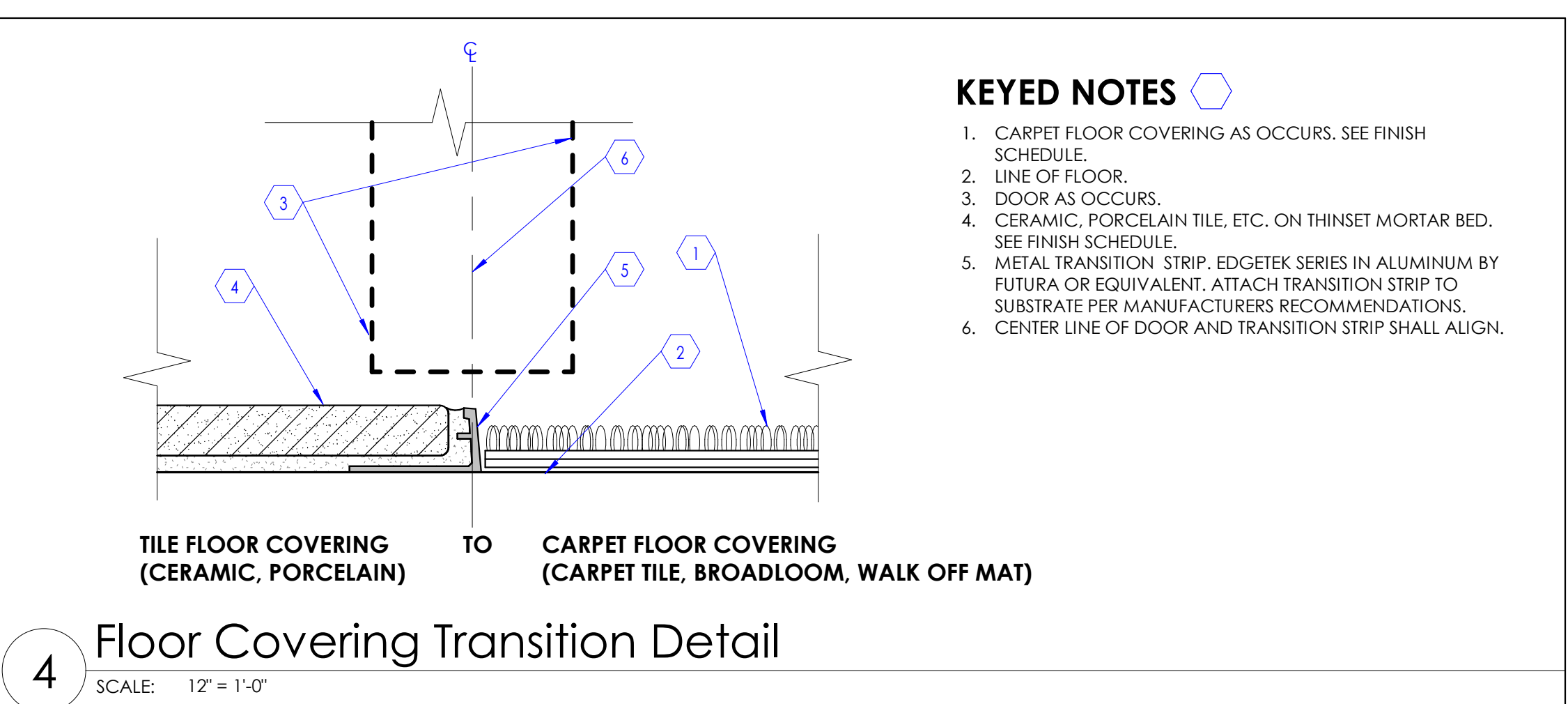
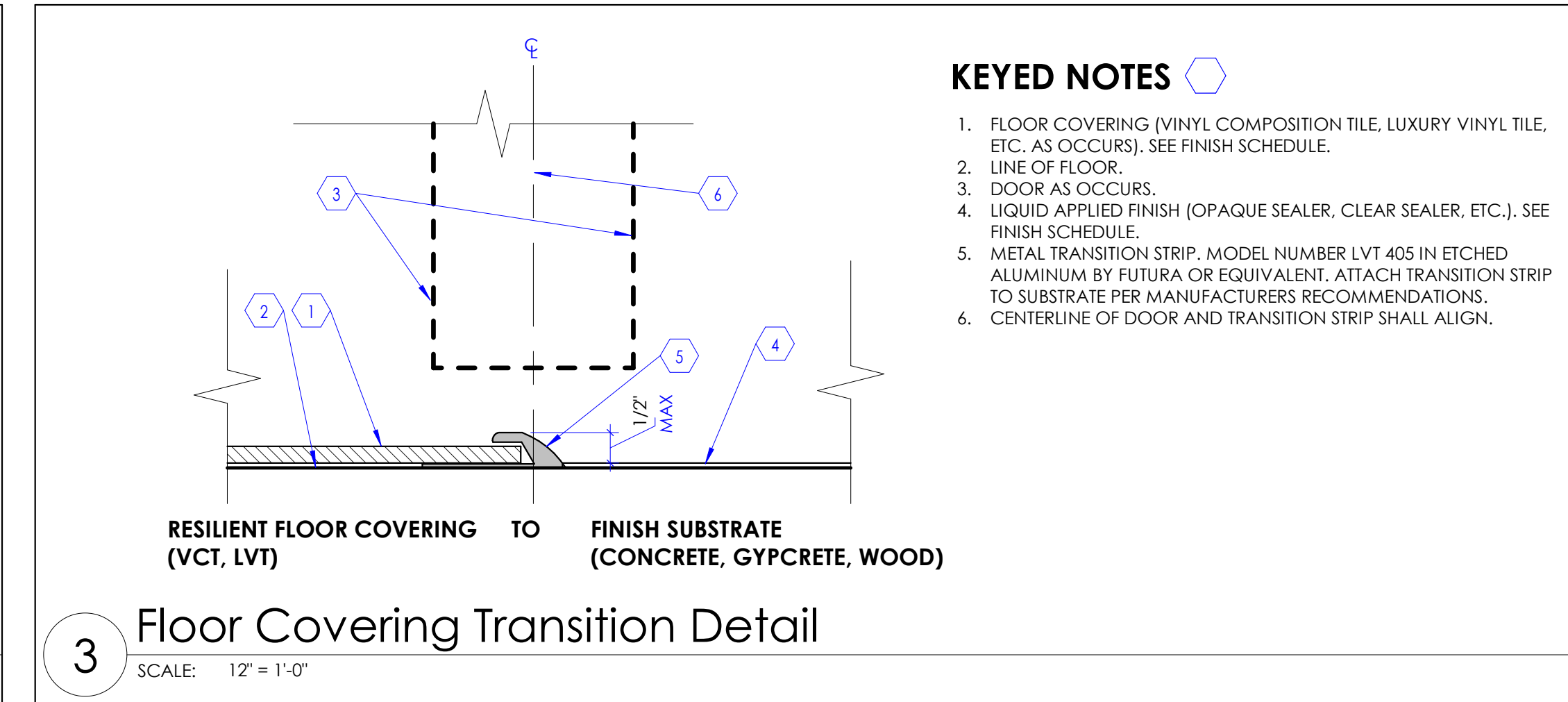
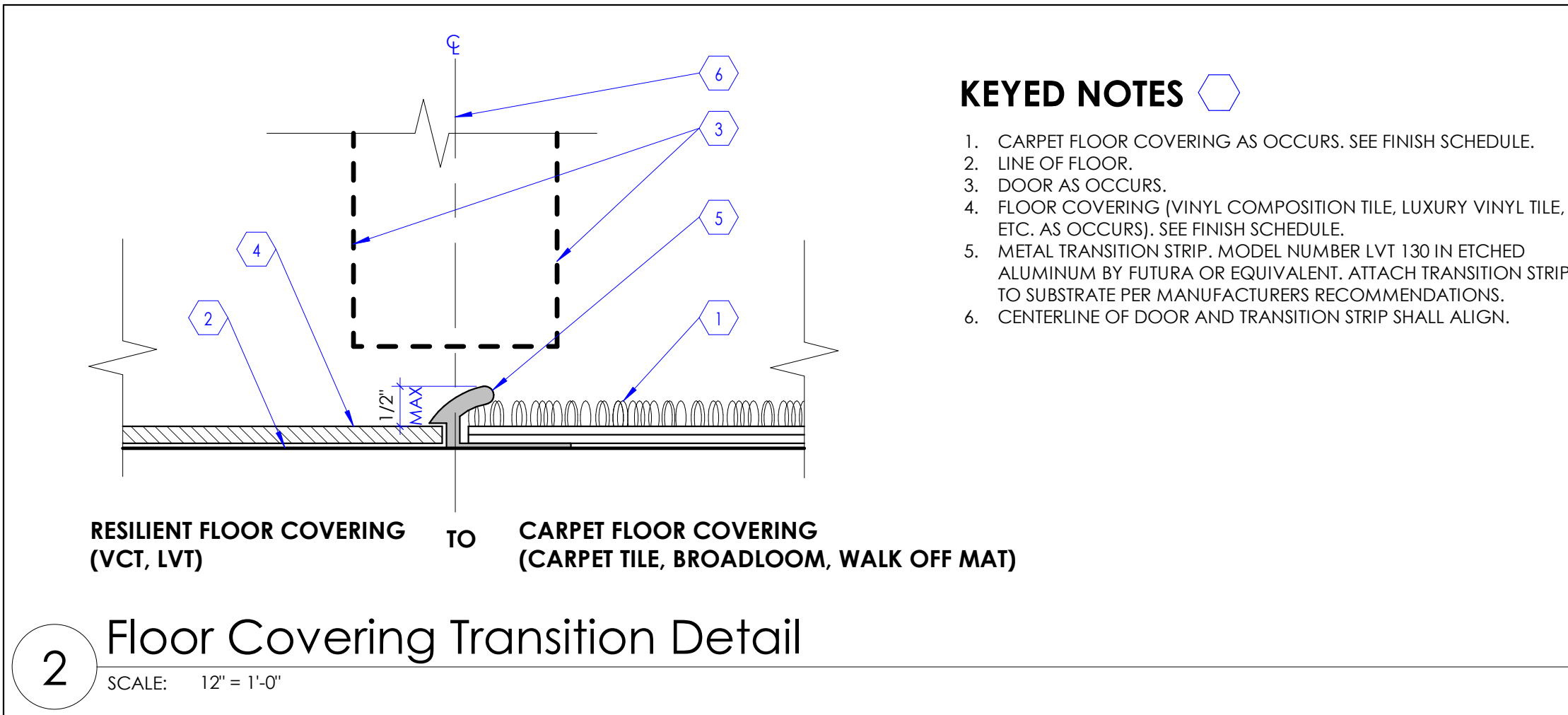
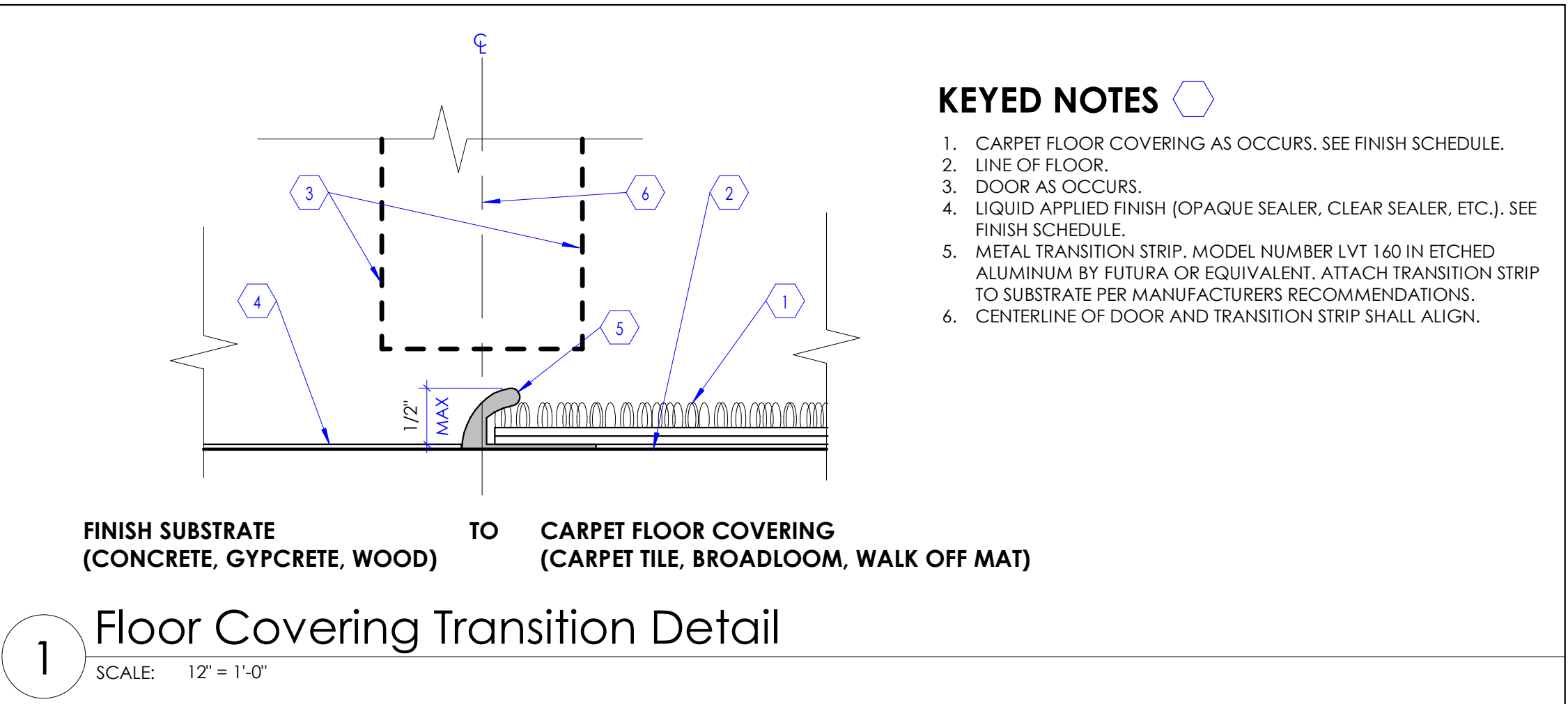
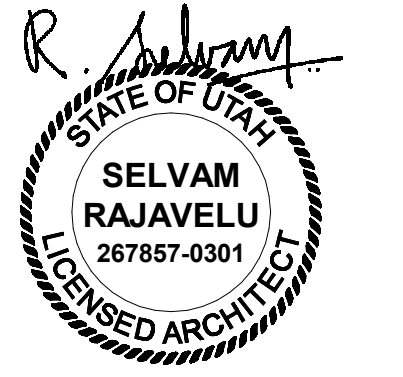
- EXISTING WALL PROTECTION HAND RAILS AND CORNER GUARDS ARE TO BE MODIFIED WHERE DEMOLITION AND CONSTRUCTION TAKE PLACE FOR THIS PROJECT. ANY NEW WALL PROTECTION PRODUCTS SHALL MATCH THE EXISTING WALL PROTECTION STYLE AND COLOR.
- SEE REFLECTED CEILING PLAN (RCP) FOR GRID LAYOUT.
- LUXURY VINYL TILES TO BE INSTALLED QUARTER TURNED.
- LUXURY VINYL TILES TO BE INSTALLED IN A COUPLET PATTERN.
- MATCH EXISTING FINISH STYLE AND COLOR.
- CARPET TILES OR LUXURY VINYL TILES TO BE INSTALLED IN A BRICK PATTERN.
- WALL PROTECTION WAINSCOT TO EXTEND FROM TOP OF WALL BASE TO 4'-0" ABOVE FINISHED FLOOR.
- CORNER GUARDS TO EXTEND FROM TOP OF WALL BASE TO CEILING.

GENERAL NOTES

- BASE 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.
- 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.).
- 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.
- 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.
- 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.
- 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, OR 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.
- 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 CEILING AND SOFFITS WITH EPOXY TYPE PAINT. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. COORDINATE ACCENT COLOR LOCATIONS WITH ARCHITECT WHEREVER INDICATED.
- 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.
- 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.
- 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 1/A603B. PROVIDE QUARTZ THRESHOLD AT DOORS TO TOILET ROOMS THAT ARE USED BY MULTIPLE USERS. SEE DETAILS 3 & 4 SHEET A603B.
- WHERE GYPSUM BOARD WALL ABUTS MASONRY WALL, PROVIDE REVEAL AS PER DETAIL 2/A603B.



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Intermountain Healthcare
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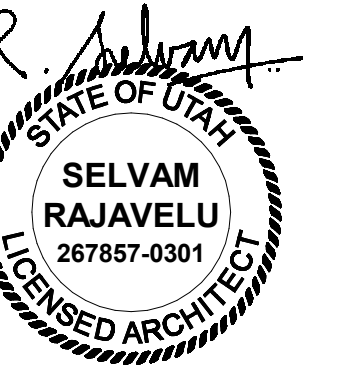
1034 North 500 W
 Provo, Utah 84604

NJRA Project # 22230.00
Confirmed Set Feb. 23, 2023

Finish
Schedule &
Details

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KEYED NOTES

1. LINE OF WALL.
2. DIMENSION TO BE 8" FOR CERAMIC TILE 24" FOR CARPET TILE, ETC. SEE FINISH SCHEDULE.
3. SQUARE JOINT PATTERN.

NOTE: FLOORING PIECE NOT TO BE SMALLER THAN 1" X 1".

1 JP-1 (Square) Detail
SCALE: 3/4" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
2. DIMENSION TO BE 12" FOR LVT. SEE FINISH SCHEDULE.
3. DIMENSION TO BE 24" FOR LVT. SEE FINISH SCHEDULE.
4. RECTANGLE JOINT PATTERN.

NOTE: FLOORING PIECE NOT TO BE SMALLER THAN 1" X 1".

2 JP-2 (Rectangular) Detail
SCALE: 3/4" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
2. DIMENSION TO BE 12" FOR LVT. SEE FINISH SCHEDULE.
3. DIMENSION TO BE 24" FOR LVT. SEE FINISH SCHEDULE.
4. OFFSET JOINT PATTERN.

NOTE: FLOORING PIECE NOT TO BE SMALLER THAN 1" X 1".

3 JP-3 (Offset) Detail
SCALE: 3/4" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
2. FOR DIMENSION, SEE FINISH SCHEDULE.
3. HEXAGONAL JOINT PATTERN.

NOTE: FLOORING PIECE NOT TO BE SMALLER THAN 1" X 1".

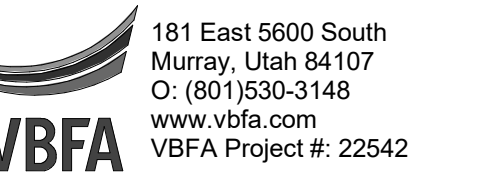
4 JP-4 (Hexagonal) Detail
SCALE: 3/4" = 1'-0"

KEYED NOTES

1. LINE OF WALL.
2. CUSTOM JOINT PATTERN.

NOTE: FLOORING PIECE NOT TO BE SMALLER THAN 1" X 1".

5 JP-5 (Custom) Detail
SCALE: 3/4" = 1'-0"



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>SQUARE SUPPLY DIFFUSER</p> <p>RECTANGULAR SUPPLY DIFFUSER</p> <p>ROUND SUPPLY DIFFUSER</p> <p>RECTANGULAR EXHAUST GRILLE</p> <p>SQUARE RETURN GRILLE</p> <p>RECTANGULAR RETURN GRILLE</p> <p>MECHANICAL EQUIPMENT TAGS</p> <p>HEATING COIL</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>PC 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>RDC ROOF DRAIN OVERFLOW</p> <p>PIPE DROP</p> <p>PIPE RISE</p> <p>PIPE TEE</p> <p>PIPE TEE</p> <p>FLUG</p> <p>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 1/4" TURN BALL VALVE</p> <p>2" CHECK 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>3/8" SOLENOID REFRIGERANT SOLENOID VALVE</p> <p>2" BUTTERFLY BUTTERFLY VALVE</p> <p>DRAIN TAGS</p> <p>FLOOR DRAIN</p> <p>FLOOR DRAIN</p> <p>FLOOR SINK</p> <p>HUB DRAIN</p> <p>AREA DRAIN</p> <p>DECK DRAIN</p> <p>FLOW CONTROL DRAIN</p> <p>ROOF DRAIN</p> <p>ROOF AREA SERVED BY DRAIN</p> <p>PLUMBING FIXTURE TAGS</p> <p>WATER CLOSET - WALL HUNG - ADA</p> <p>PIPE ACCESSORY TAG</p> <p>4" WCO</p> <p>4" WCO</p> <p>*NOTE* THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.</p>																																																																																																																																																																																																																																																															
<p>ABBREVIATIONS</p> <table border="0"> <tr><td>ABV</td><td>ABOVE</td><td>LVR</td><td>LOUVER</td></tr> <tr><td>AC</td><td>AIR CONDITIONING</td><td>LWT</td><td>LEAVING WATER TEMPERATURE</td></tr> <tr><td>AD</td><td>AREA DRAIN</td><td>MA</td><td>MIXED AIR</td></tr> <tr><td>ADD</td><td>ADDENDUM</td><td>MAX</td><td>MAXIMUM</td></tr> <tr><td>AFF</td><td>ABOVE FINISHED FLOOR</td><td>MBH</td><td>ONE THOUSAND BTU PER HOUR</td></tr> <tr><td>AFUE</td><td>ANNUAL FUEL UTILIZATION EFFICIENCY</td><td>MCF</td><td>ONE THOUSAND CUBIC FEET</td></tr> <tr><td>ALT</td><td>ALTERNATE</td><td>MD</td><td>MOTORIZED DAMPER</td></tr> <tr><td>AP</td><td>ACCESS PANEL</td><td>MECH</td><td>MECHANICAL</td></tr> <tr><td>ARCH</td><td>ARCHITECT/ARCHITECTURAL</td><td>MFR</td><td>MANUFACTURER</td></tr> <tr><td>BFF</td><td>BELOW FINISHED FLOOR</td><td>MIN</td><td>MINIMUM</td></tr> <tr><td>BLW</td><td>BELOW</td><td>MISC</td><td>MISCELLANEOUS</td></tr> <tr><td>BTU</td><td>BRITISH THERMAL 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GPM	GALLONS PER MINUTE	T	THERMOSTAT																																																																																																																																																																																																																																																														
GW	GREASE WASTE	TD	TRENCH DRAIN																																																																																																																																																																																																																																																														
HB	HOSE BIB	TD	TEMPERATURE DROP																																																																																																																																																																																																																																																														
HP	HORSE POWER	TEMP	TEMPERATURE																																																																																																																																																																																																																																																														
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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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 Utah Valley Regional Medical Center
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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 AND NFPA.
- 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.
- 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.
- 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 DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.

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 2' 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 CLEAROUT 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.

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 REMOVE 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 8" FROM LIGHT SWITCH, UNLESS OTHERWISE NOTED ON THE ARCHITECT'S 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 PIPE SHALL BE TYPE "L" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- PROVIDE A 4" HOUSEKEEPING 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: ALL MECHANICAL 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 EXIST/ENTRANCE 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 CHASING 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 FULLS, 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.

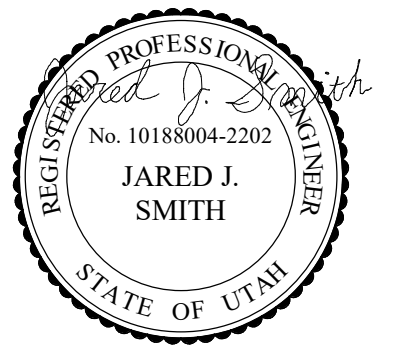
NOTE

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

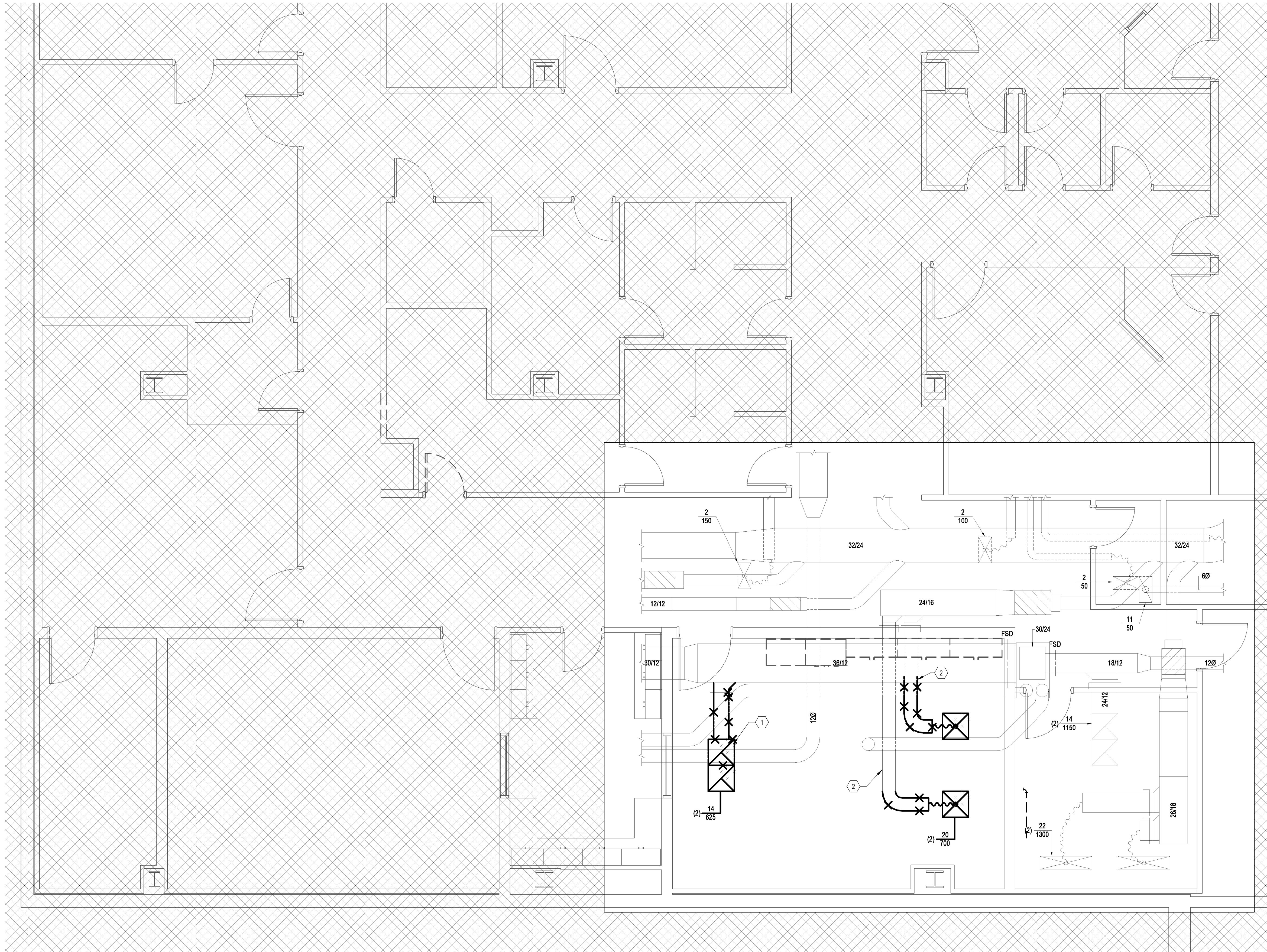
- KEYNOTES**
- 1 EXISTING EXHAUST DUCT AND EXHAUST GRILLES ARE TO BE REMOVED AS SHOWN.
 - 2 EXISTING SUPPLY DUCTS AND SUPPLY DIFFUSERS ARE TO BE REMOVED AS SHOWN.



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1 LEVEL 1 HVAC DEMOLITION PLAN
MD101
1/4" = 1'-0"

Intermountain Healthcare
Utah Valley Regional Medical Center
MRI Replacement

36 South State Street, Suite 2300
Salt Lake City, Utah 84111

NJRA Project # 22230.00
Construction Documents Jan. 19, 2023

LEVEL 1
MECHANICAL
DEMOLITION
PLAN

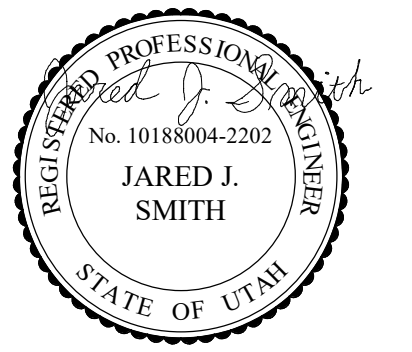
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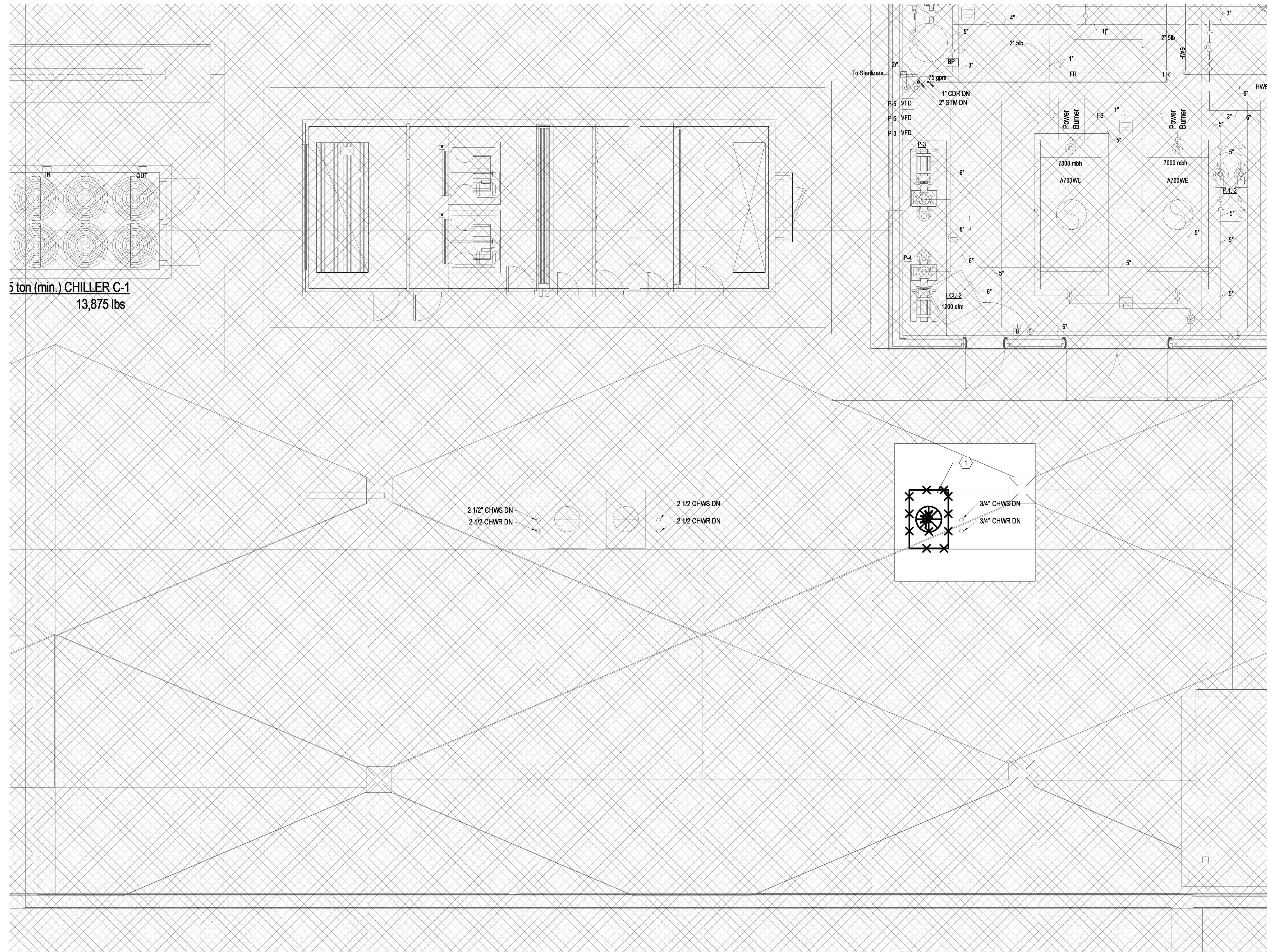
KEYNOTES
 1 EXISTING AIR COOLED CHILLER IS TO BE REMOVED. EXISTING 3/4" CHILLED WATER PIPES ARE TO BE CAPPED.



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1 ROOF LEVEL MECHANICAL DEMOLITION PLAN
 MD102
 1/4" = 1'-0"

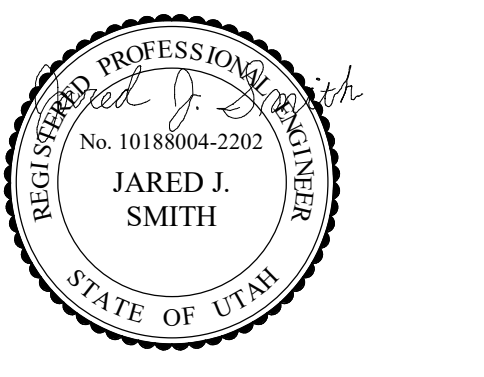
Intermountain Healthcare
 Utah Valley Regional Medical Center
 MRI Replacement

36 South State Street, Suite 2300
 Salt Lake City, Utah 84111

NJRA Project # 22230.00
 Construction Documents Jan. 19, 2023

ROOF LEVEL
 MECHANICAL
 DEMOLITION
 PLAN

MD102



KEYNOTES

- 1 EXISTING 3/4" CHILLED WATER PIPING IS TO BE REMOVED BACK TO PIPES THAT RISE THROUGH SHAFT AND CAPPED.
- 2 EXISTING MITSUBISHI PUY-442N6A7 OUTDOOR MINI SPLIT UNIT IS TO BE REMOVED AND RELOCATED. SEE SHEET MP111.



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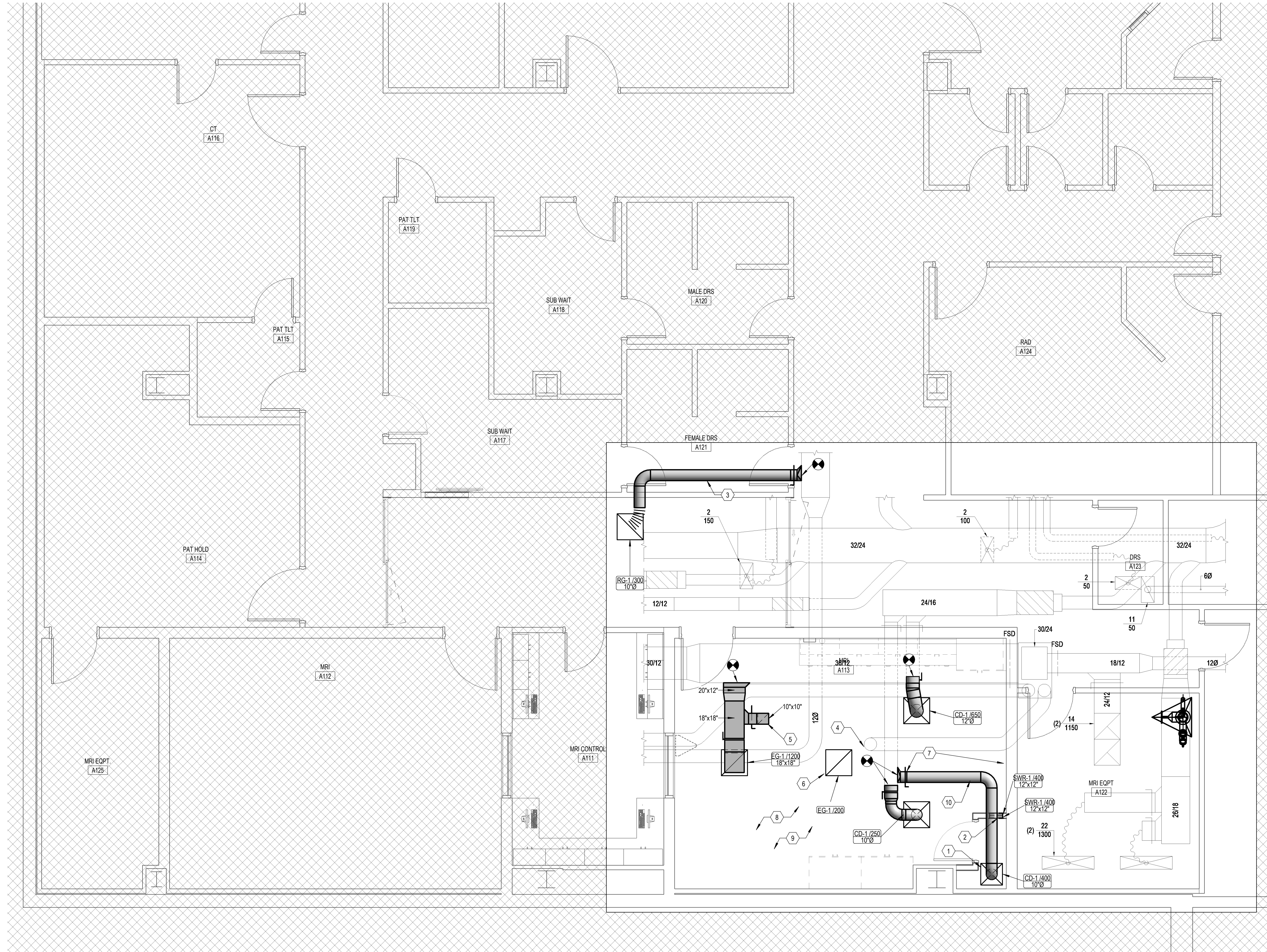
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Construction Documents Jan. 19, 2023

LEVEL 1
MECHANICAL
PIPING
DEMOLITION
PLAN
MD111

1 LEVEL 1 MECHANICAL PIPING DEMOLITION PLAN
MD111 1/4" = 1'-0"

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GRILLES, REGISTERS AND DIFFUSERS SCHEDULE											
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	FACE SIZE	NECK		INSTALLATION	BORDER TYPE	SPECIFICATION	
						SIZE	WIDTH				
CD-1	PLAQUE FACE DIFFUSER	Tbus	OMNI-AA	1	20x20	12"		TYPE 1 (SURFACE)		ALL ALUMINUM PLAQUE FACE DIFFUSER	
CD-1	PLAQUE FACE DIFFUSER	Tbus	OMNI-AA	1	24x24	10"		TYPE 3 (LAY-IN)		ALL ALUMINUM PLAQUE FACE DIFFUSER	
CD-1	PLAQUE FACE DIFFUSER	Tbus	OMNI-AA	1	24x24	12"		TYPE 3 (LAY-IN)		ALL ALUMINUM PLAQUE FACE DIFFUSER	
EG-1	PERFORATED DIFFUSER WITH DEFLECTORS	Tbus	PXP-AA	2	24x24	18"		TYPE 3 (LAY-IN)		ALUMINUM PERFORATED LAY-IN PANEL	
RG-1	PERFORATED DIFFUSER WITH DEFLECTORS	Tbus	PAR	1	24x24	10"		TYPE 3 (LAY-IN)		PERFORATED DIFFUSER WITH FACE MOUNTED DEFLECTORS	
SWR-1	LOUVERED GRILLE	Tbus	3FL	2			12"	TYPE 1 (SURFACE)		ALUMINUM RETURN GRILLE, 45 DEGREE DEFLECTION, 3/4" BLADE SPACING, BLADES PARALLEL TO LONG DIMENSION	



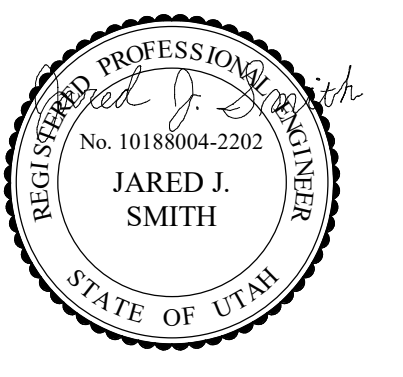
1 LEVEL 1 HVAC PLAN
M101
1/4" = 1'-0"

KEYNOTES

- 1 PROVIDE AND INSTALL NEW SUPPLY DIFFUSER IN CLOSET AS SHOWN.
- 2 PROVIDE AND INSTALL AIR TRANSFER DUCT BETWEEN MRI CLOSET AND EQUIPMENT ROOM. AIR TRANSFER GRILLES ARE TO BE MOUNTED 8' AFF.
- 3 PROVIDE AND INSTALL NEW RETURN AIR DUCT AS SHOWN. ROUTE DUCT AND COORDINATE WITH EXISTING CONDITIONS.
- 4 EXISTING CRYOGEN VENT IS TO REMAIN CONNECTED TO EXISTING MAGNET FOR THE DURATION OF THE PROJECT.
- 5 PROVIDE AND INSTALL 10X10 EXHAUST DUCT AND PENETRATE THROUGH RF SHIELDING AND TERMINATE INTO CEILING CAVITY. BALANCE AIRFLOW TO 200 CFM.
- 6 PROVIDE AND INSTALL EXHAUST GRILLE. EXHAUST GRILLE IS TO BE OPEN TO CEILING CAVITY ABOVE.
- 7 PROVIDE AND INSTALL BATTERY OPERATED VOLUME DAMPER FOR ALL DAMPERS LOCATED ABOVE RF SHIELDING. CONNECTION FROM DAMPER TO BATTERY REMOTE CONTROL IS TO BE AT WALL OPENING ABOVE CEILING IN MRI EQUIPMENT ROOM.
- 8 SPECIAL CONSTRUCTION AREA. ALL DUCTWORK, PIPING HANGERS, BRACKETS, VALVES, DIFFUSERS, GRILLES, DAMPERS, THERMOSTATS, VENTS, ETC., WITHIN THE LIMITS OF SPECIAL CONSTRUCTION AREA SHALL BE COMPRISED OF NON-FERROUS AND APPROVED MATERIALS. ALL PENETRATIONS OF RF SHIELD TO BE ELECTRICALLY ISOLATED. PENETRATIONS THE SHIELD ENCLOSURE WILL HAVE SPECIAL WAVE GUIDE PENETRATIONS TO RECEIVE ALL REQUIRED MECHANICAL LINES, SUCH AS WATER, GAS, AIR OR WASTE, FROM THE OUTSIDE. THE MECHANICAL LINES SHALL HAVE ELECTRIC CONNECTORS AND THEN SHALL BE ATTACHED TO THE WAVE GUIDE PENETRATIONS ON THE SHIELD. PIPING DISTRIBUTION ON THE INSIDE OF THE ENCLOSURE CAN BE PERFORMED IN A CONVENTIONAL MANNER. ALL PIPING TO THE ROOM IS TO BE BROUGHT THROUGH WAVE GUIDE PENETRATIONS. WAVE GUIDE PENETRATIONS WILL BE PROVIDED BY THE RF SHIELD SUPPLIER. DIELECTRIC COUPLINGS ARE TO BE USED BEFORE ATTACHING PIPES TO WAVE GUIDE PARTITION. ALL DUCTWORK TO THE SHIELDED ROOM IS TO BE ATTACHED TO THE RF ISOLATORS WHICH ARE PROVIDED BY THE RF SHIELD SUPPLIER BY USE OF NONMETALLIC FLEXIBLE DUCT CONNECTORS.
- 9 COORDINATE DUCTWORK, DIFFUSERS AND REGISTERS WITH RF SHIELD AND STRUCTURE, TYPICAL.
- 10 ALL AIR TERMINALS AND DUCTWORK WITHIN MRI RF SHIELDING MUST HAVE ALL ALUMINUM CONSTRUCTION, TYPICAL.



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LEVEL 1 HVAC PLAN

M101

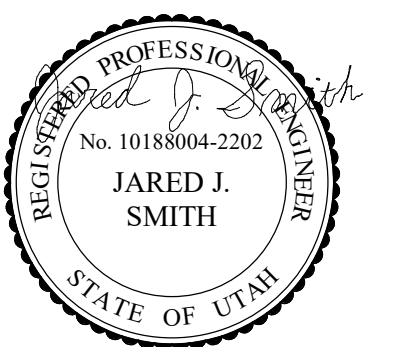
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- KEYNOTES**
- 1 CHILLED WATER PIPING IS TO BE CONNECTED TO NEW MRI EQUIPMENT. SEE SHEET M501 DETAIL #1 FOR CHILLED WATER PIPING DETAIL.
 - 2 MRI CHILLER IS TO BE PROVIDED AND CONTRACTOR INSTALLED. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING, UNLOADING, STORING, LIFTING, INSTALLING, CONNECTING TO EXISTING BMS, AND FILLING (WITH 40% PROPYLENE GLYCOL) THE CHILLER. INSTALL CHILLER AT LOCATION SHOWN. SEE MRI EQUIPMENT DRAWINGS FOR CHILLER SPECIFICATIONS.
 - 3 EXISTING MITSUBISHI PLY-A2NK7 OUTDOOR MINI SPLIT UNIT IS TO BE RELOCATED AS SHOWN. EXTEND ELECTRICAL CONNECTIONS AND REFRIGERANT LINES AS NECESSARY. UNIT IS TO BE INSTALLED AND RECHARGED PER MANUFACTURER SPECIFICATION.
 - 4 CHILLED WATER PIPES ARE TO BE MOUNTED ON GRADE AND TO PENETRATION THROUGH EXISTING EXTERIOR WALL. ALL PIPE PENETRATIONS ARE TO BE SEALED AIR AND WATER TIGHT.
 - 5 NEW CHILLED WATER PIPES ARE TO BE ROUTED THROUGH POOL MECHANICAL ROOM, CORRIDOR AND MRI EQUIPMENT ROOM. COORDINATE ROUTING WITH EXISTING CONDITIONS. PROVIDE OFFSETS AS NECESSARY.
 - 6 CHILLED WATER PIPES ARE TO BE COPPER WITH SOLDERED JOINTS.
 - 7 PROVIDE INSULATION AND ALUMINUM JACKETING ON ALL OUTDOOR CHILLED WATER PIPING.
 - 8 PROVIDE CLEARANCES AS SHOWN WITH AIR COOLED CHILLER.



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**LEVEL 1
 MECHANICAL
 PIPING PLAN**

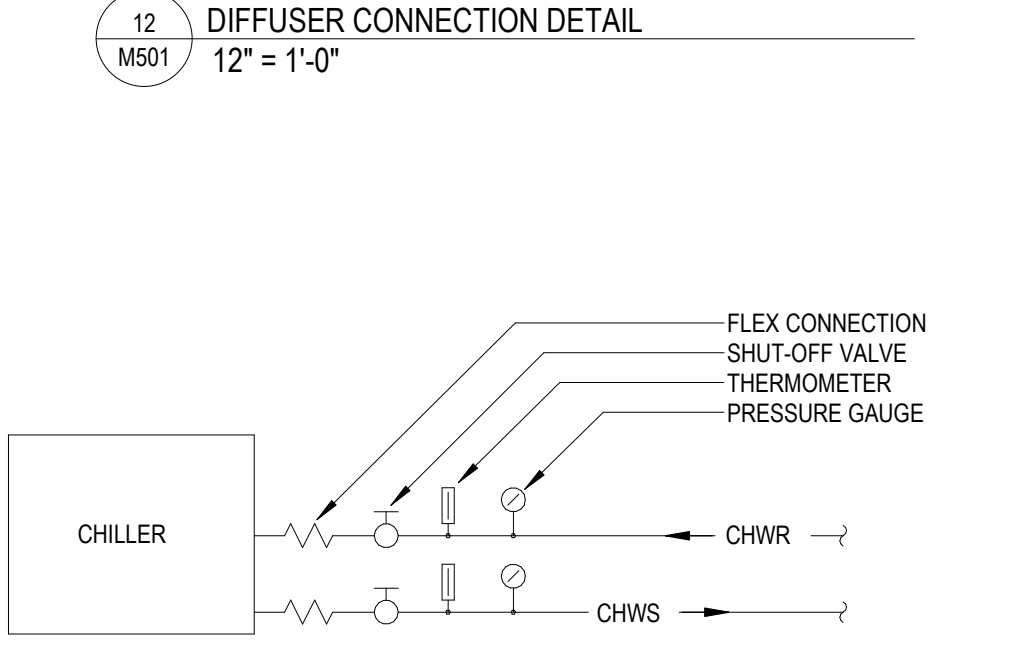
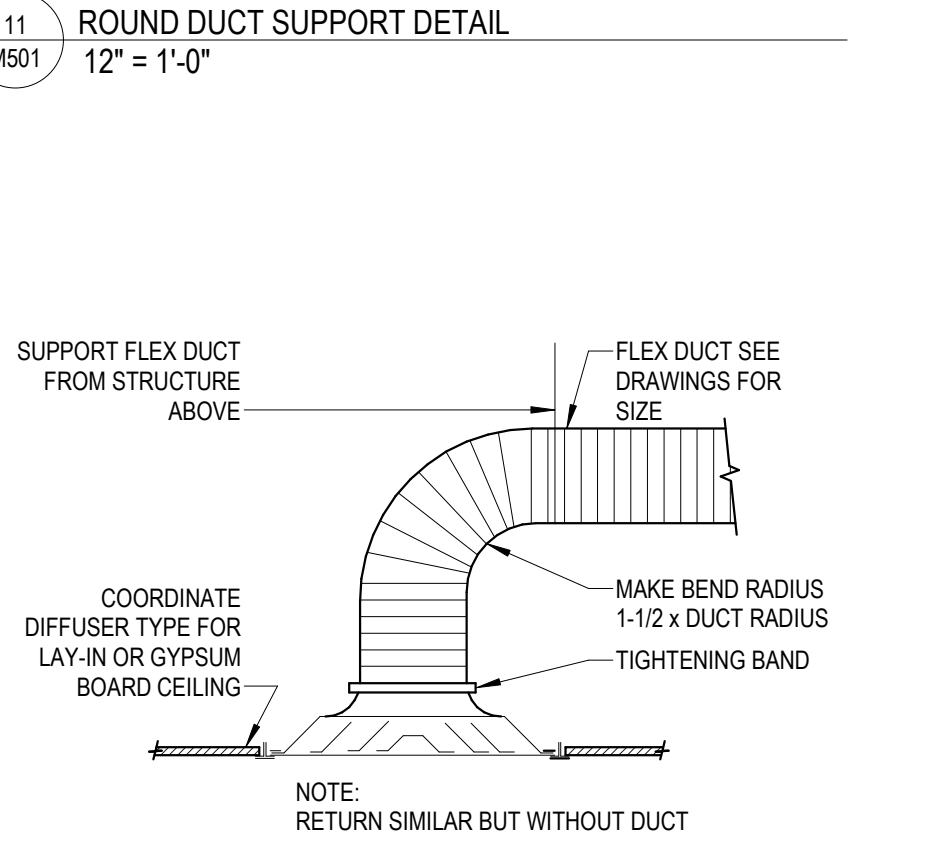
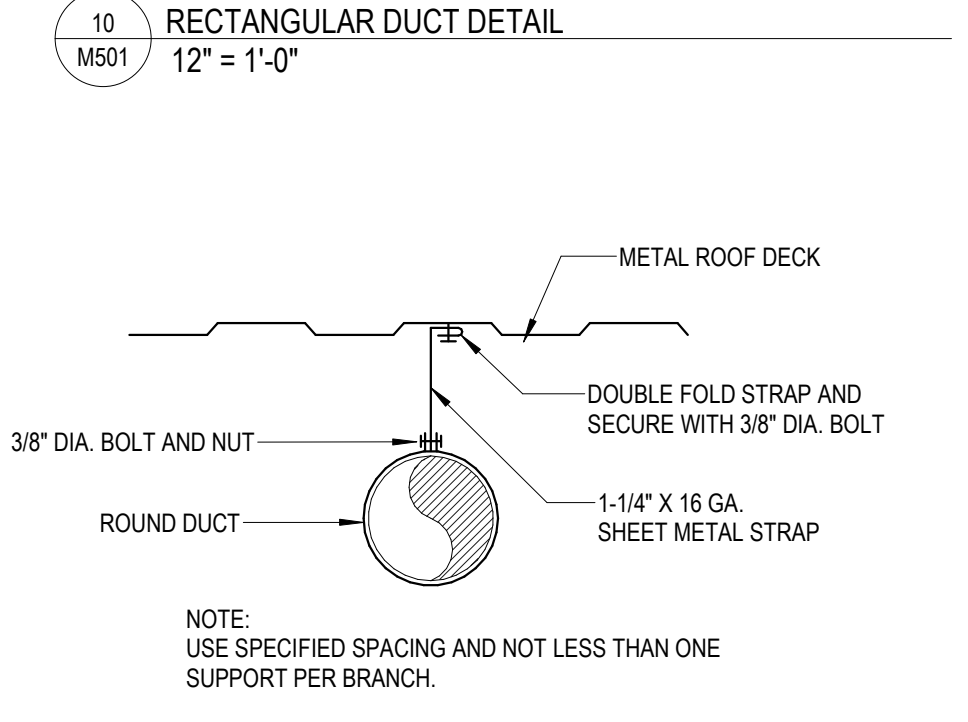
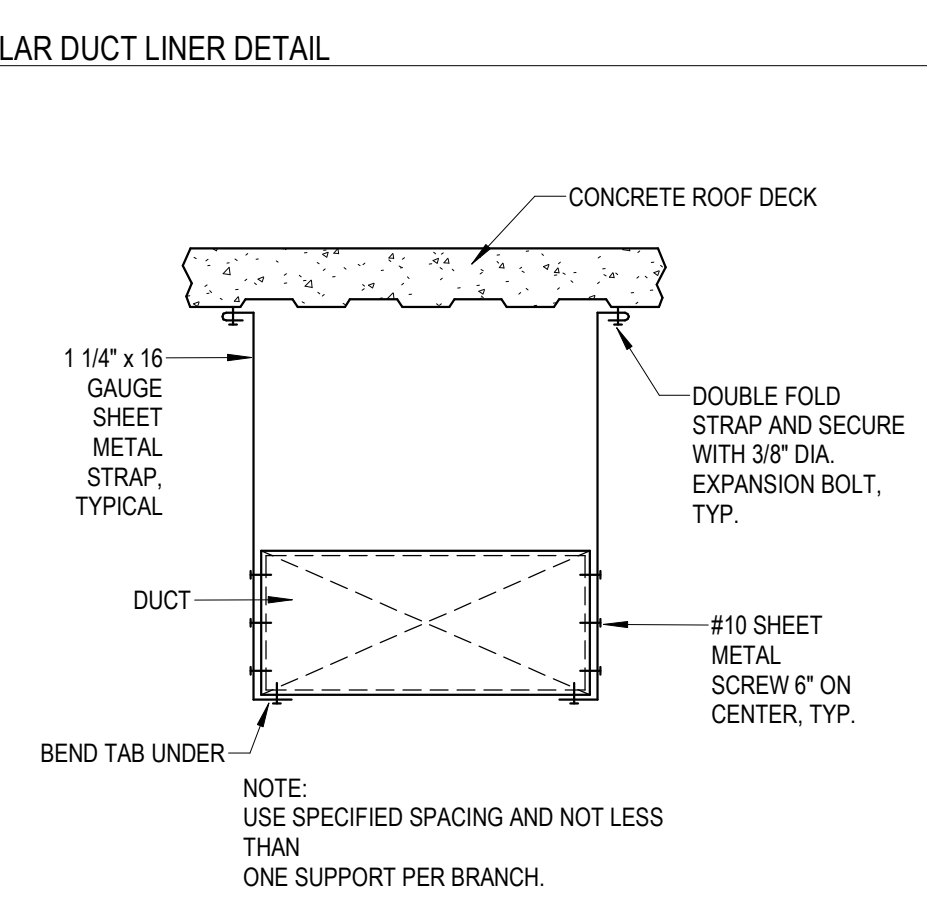
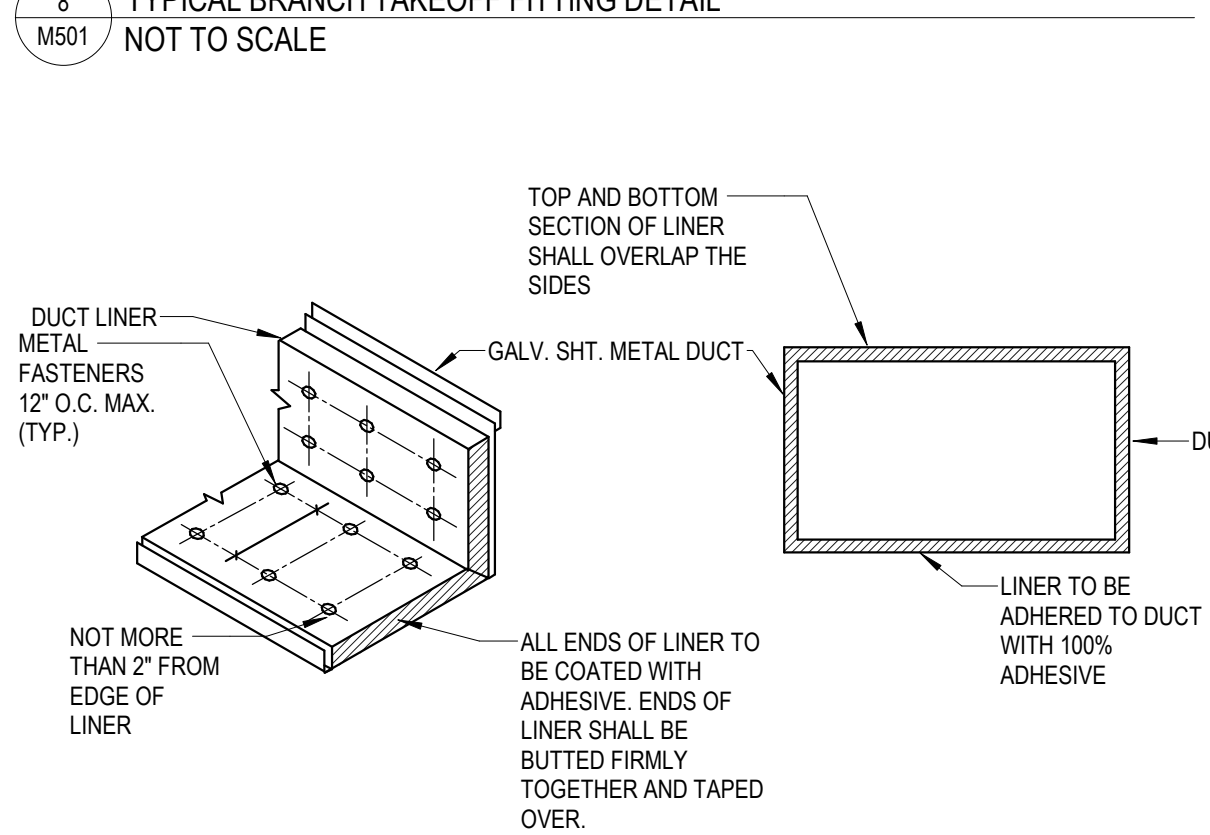
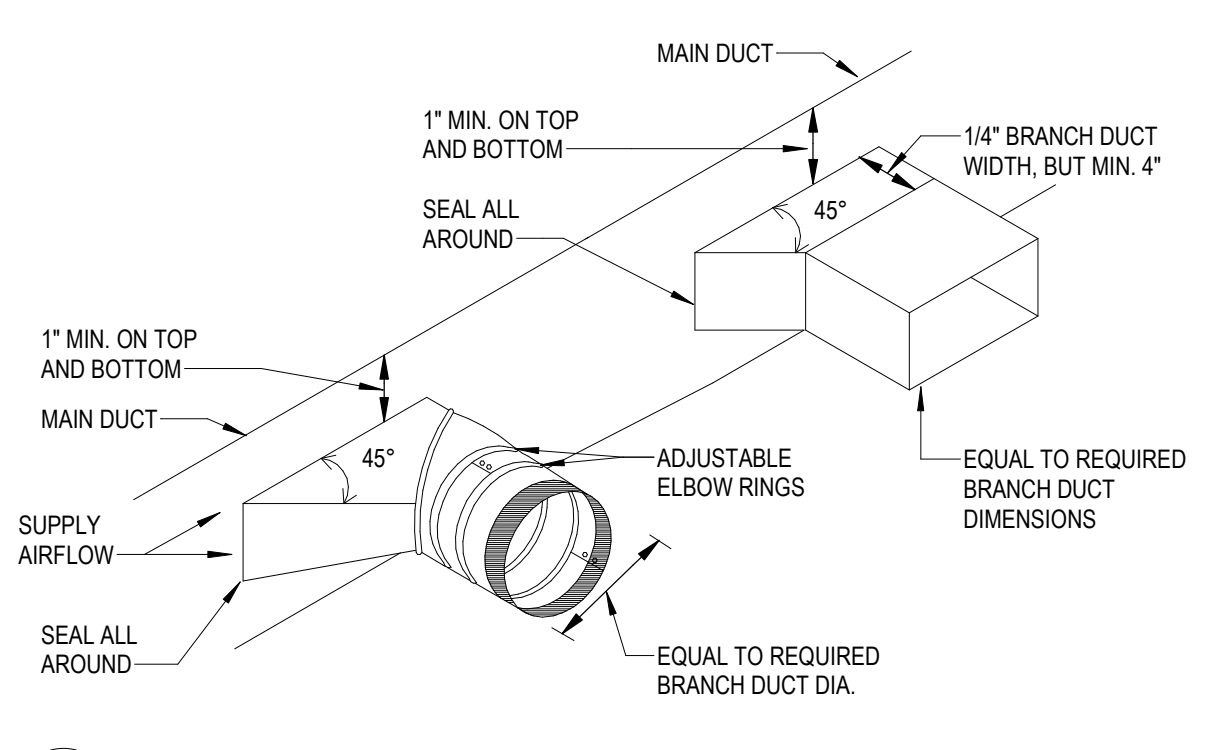
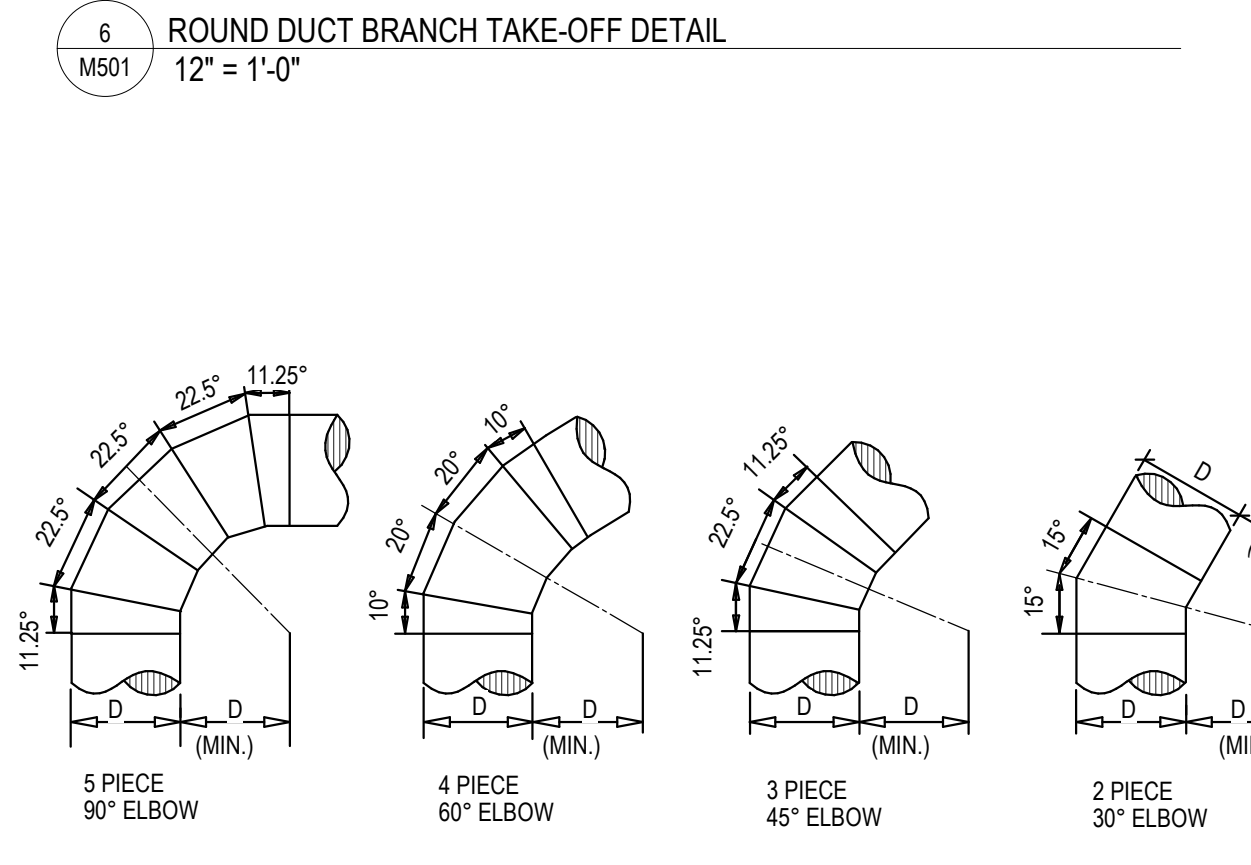
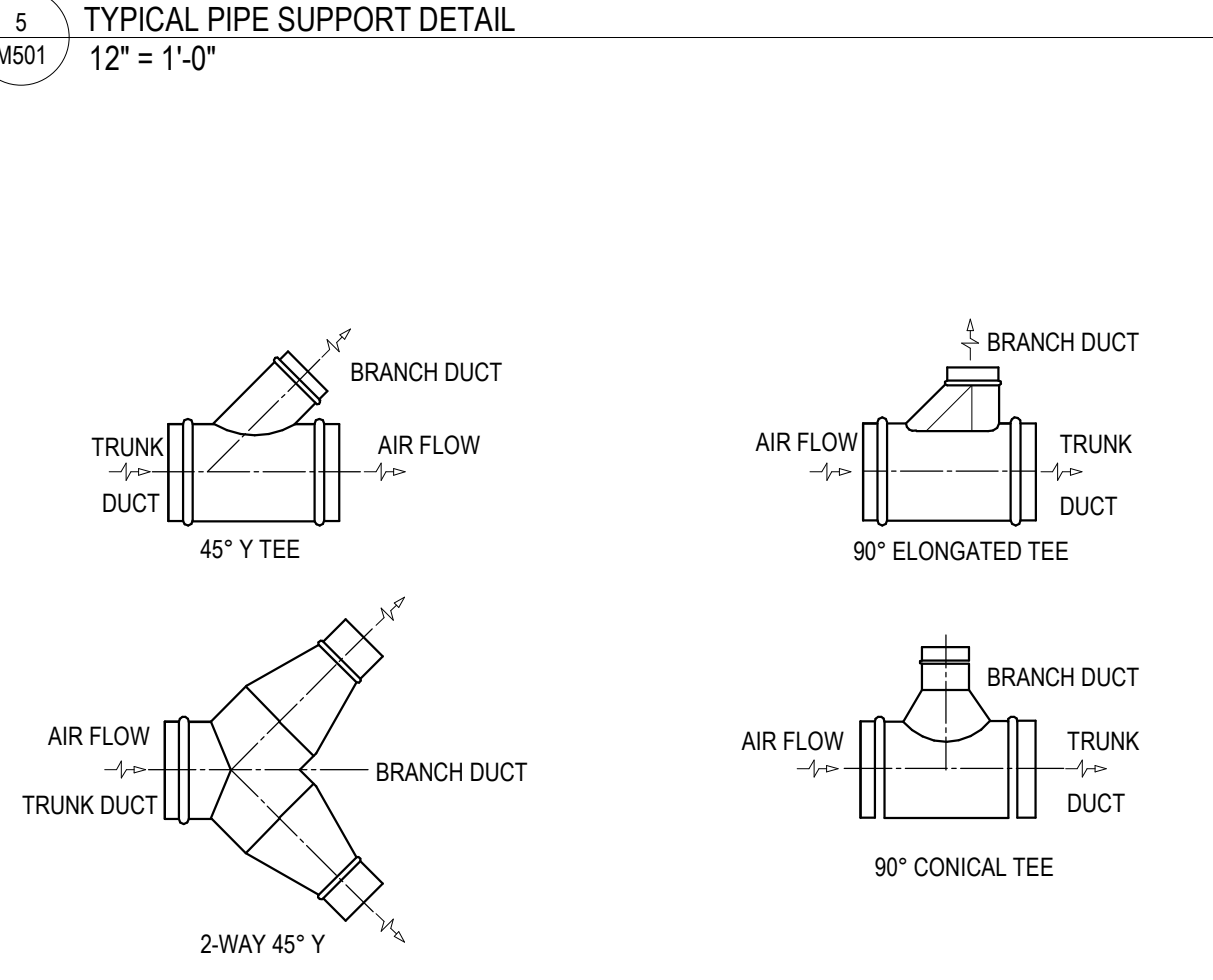
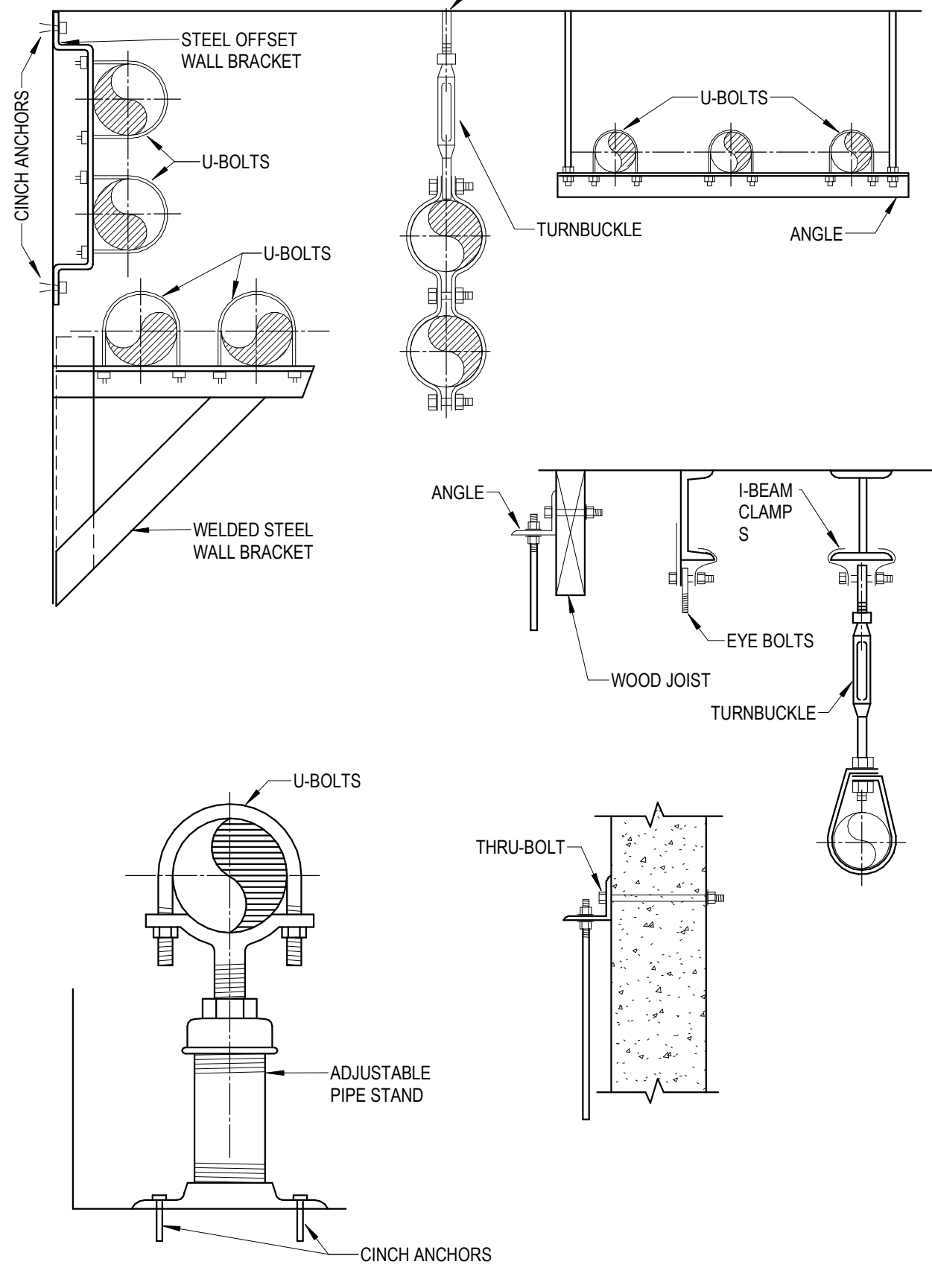
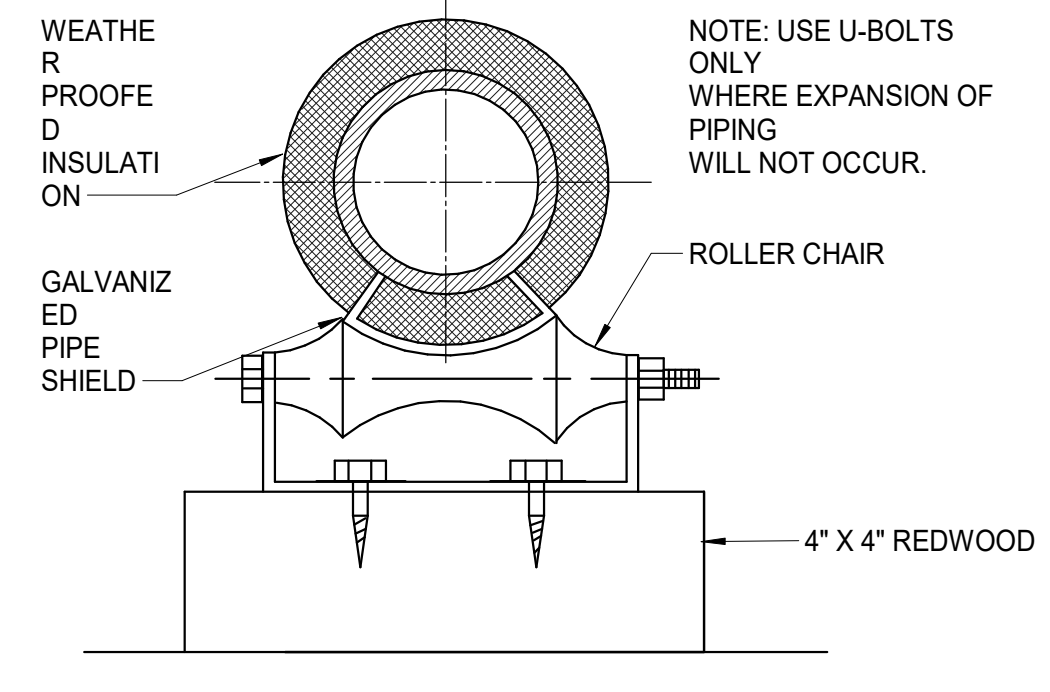
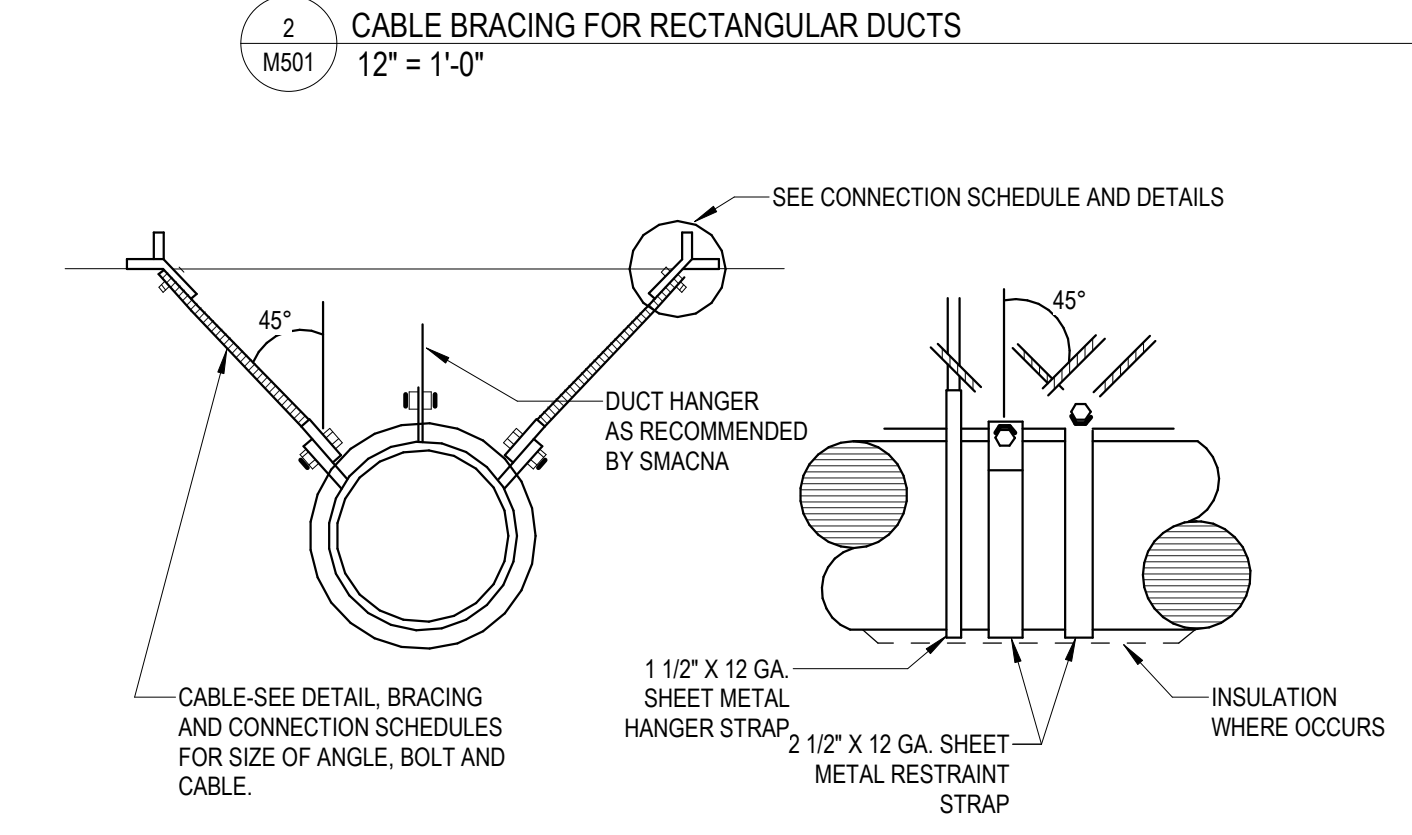
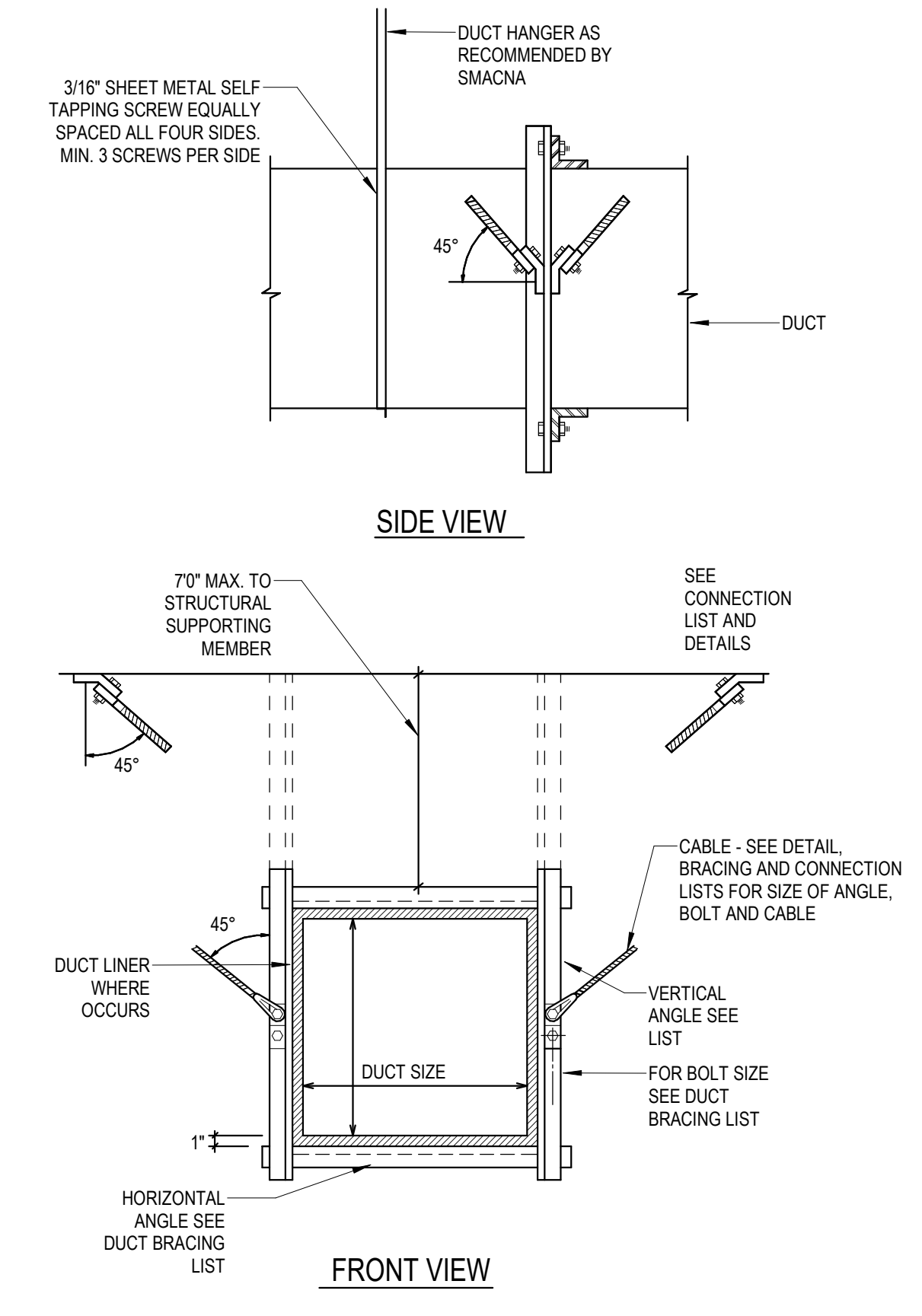
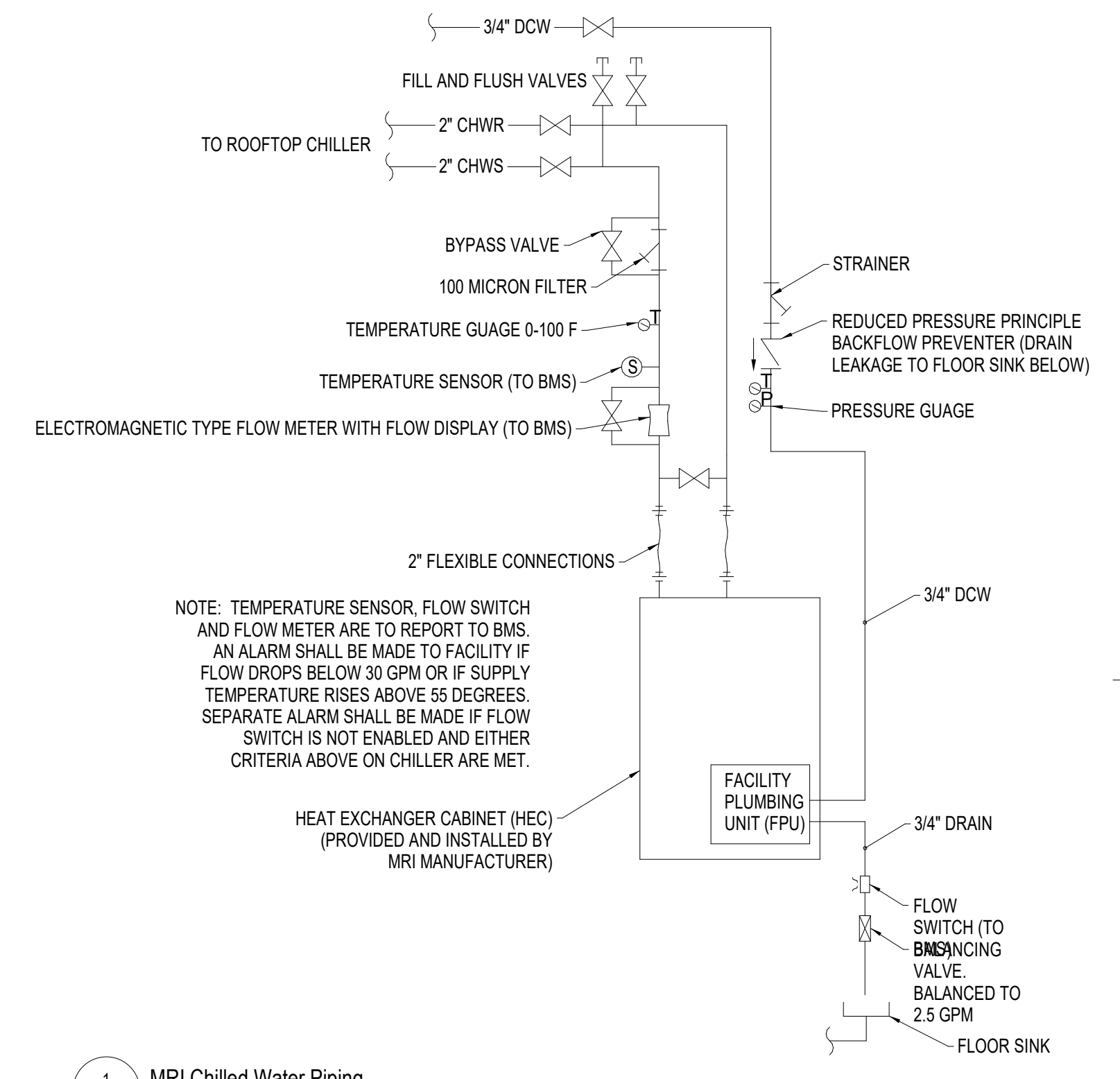
M111

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**Intermountain Healthcare
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**MECHANICAL
DETAILS**

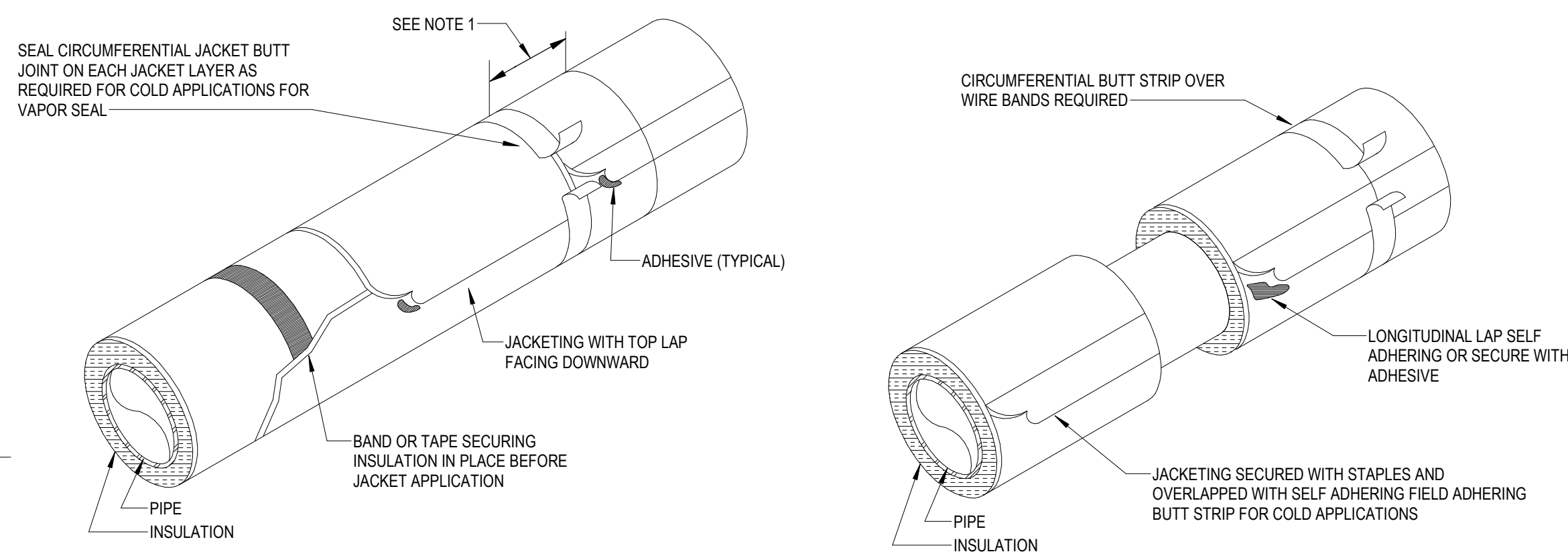
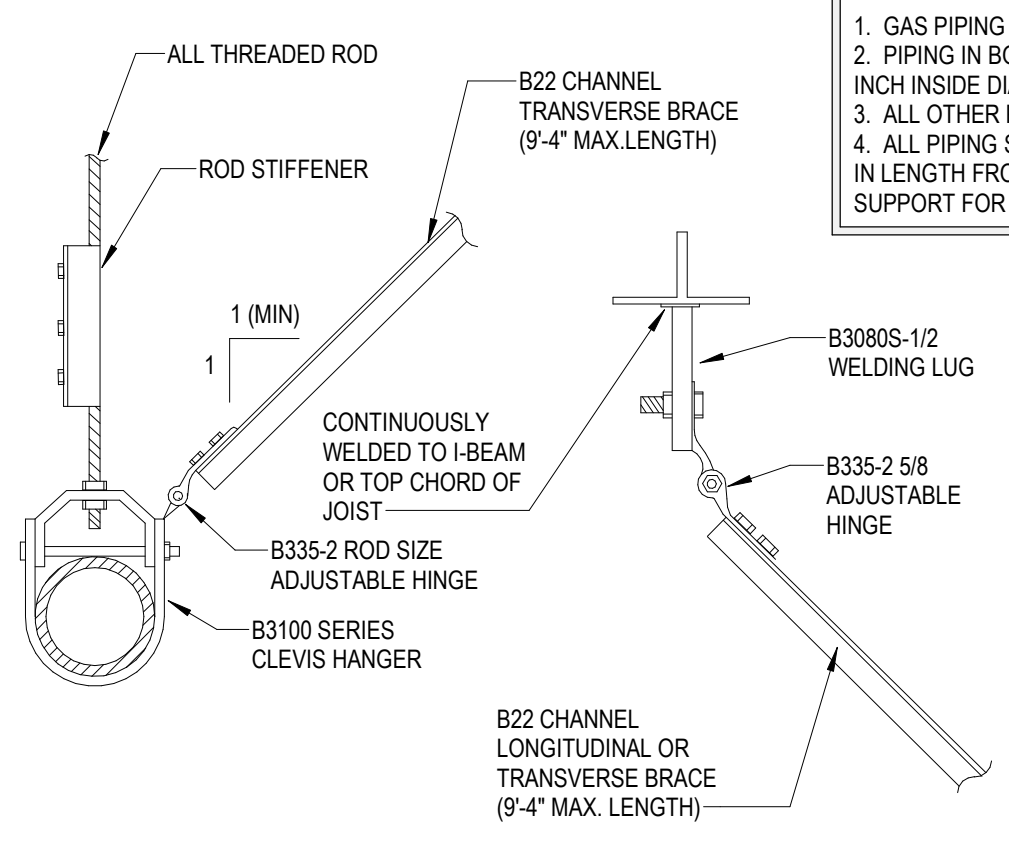


NOTE: SEISMIC ZONE X RESTRAINTS SHALL NOT BE REQUIRED FOR THE FOLLOWING INSTALLATIONS.

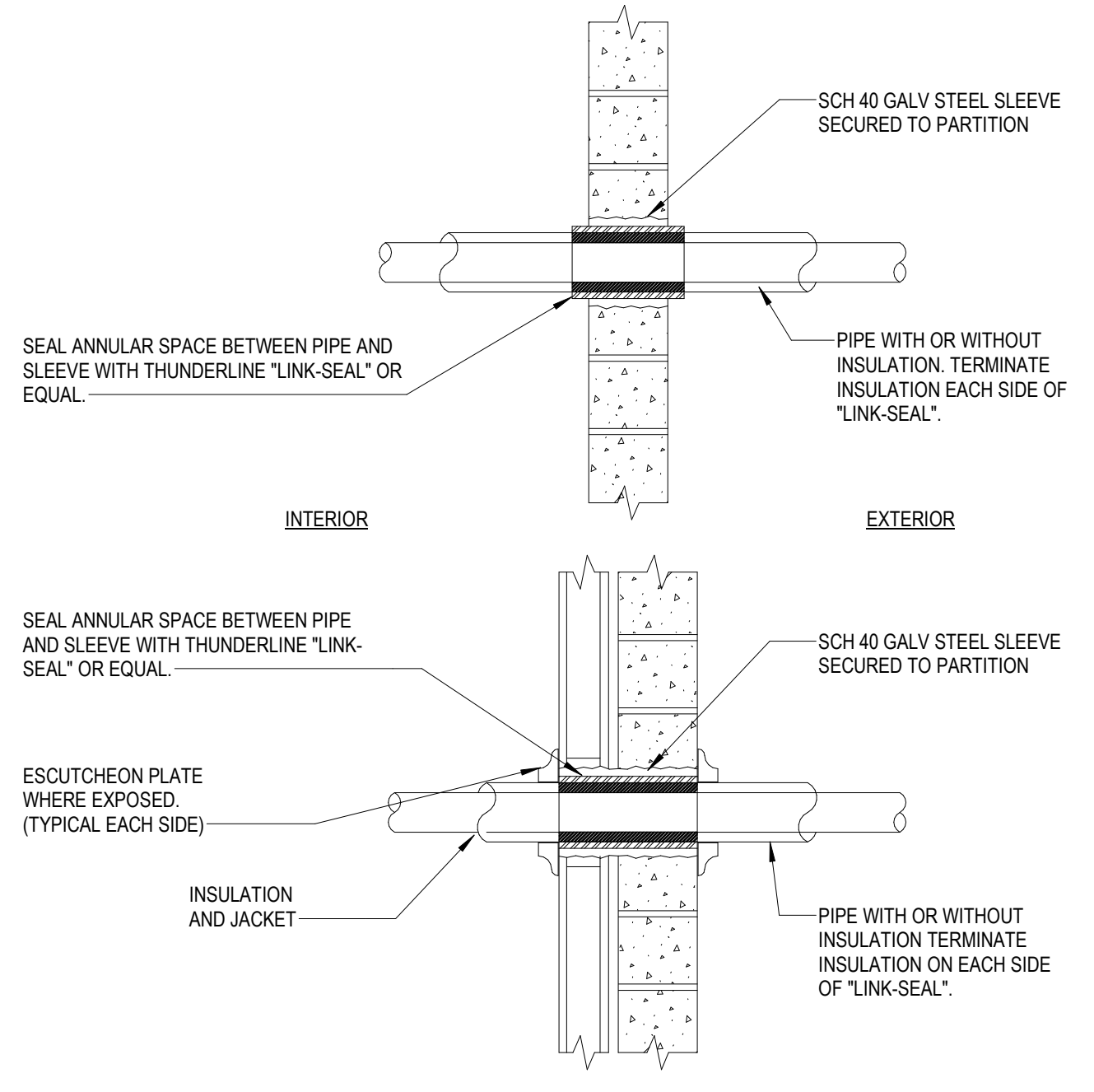
1. GAS PIPING LESS THAN 1 INCH INSIDE DIAMETER.
2. PIPING IN BOILER AND MECHANICAL ROOMS LESS THAN 1-1/4 INCH INSIDE DIAMETER.
3. ALL OTHER PIPING LESS THAN 2-1/2" INSIDE DIAMETER.
4. ALL PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT FOR THE HANGER.

DIA.	STANDARD WEIGHT PIPE MAX TRANSVERSE SPAN
1	10'-3"
1-1/2	12'-0"
2	13'-6"
2-1/2	14'-9"
3	16'-3"
3-1/2	17'-6"
4	18'-3"
5	20'-3"
6	22'-0"
8	24'-9"
10	27'-0"
12	29'-0"

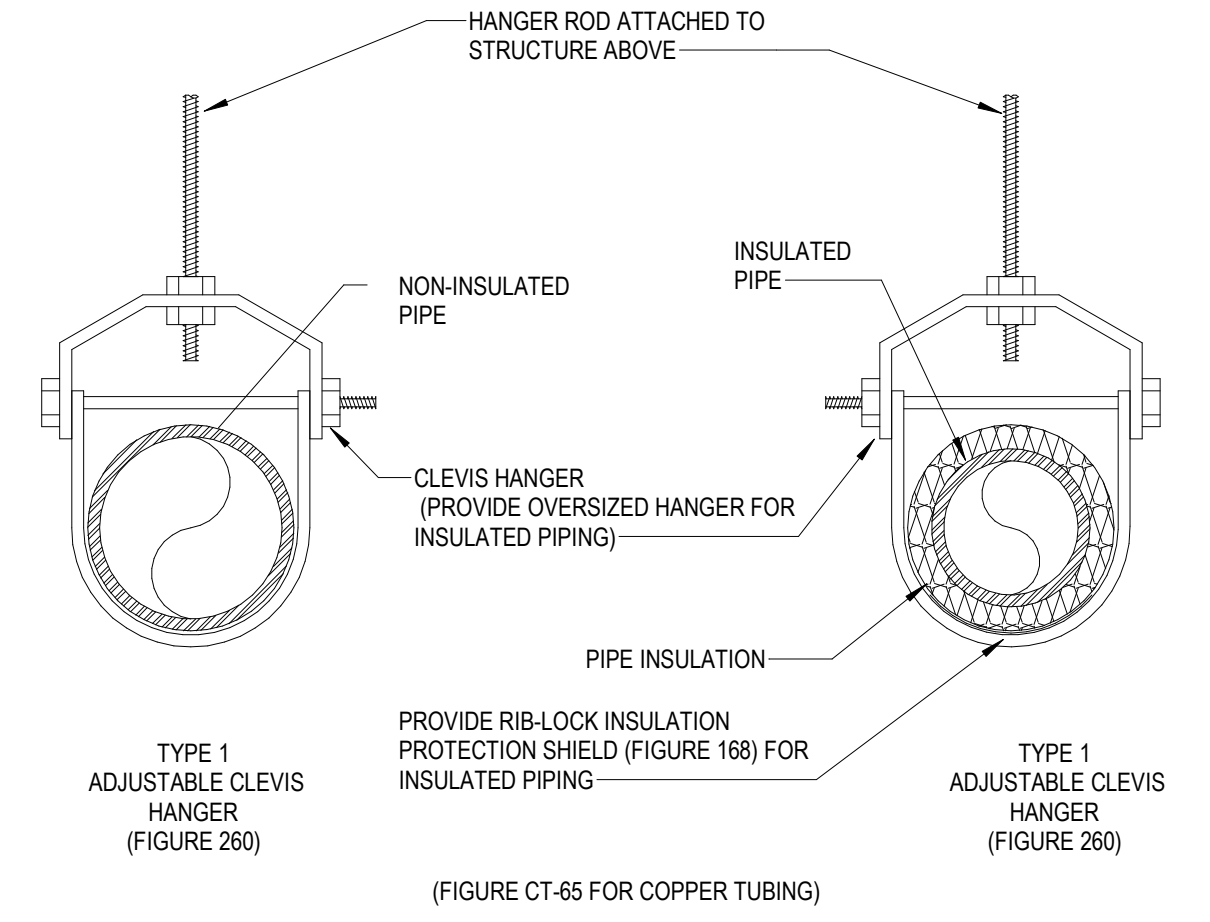
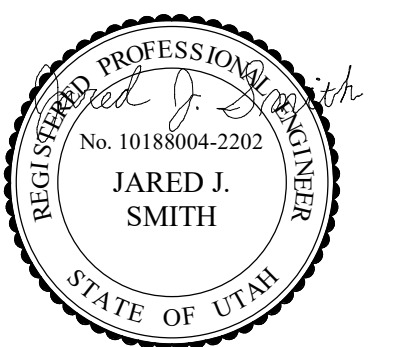
1. MAXIMUM SPAN FOR TRANSVERSE BRACING FOR SEISMIC ZONE X
2. MAXIMUM SPAN FOR LATERAL BRACING SHALL NOT EXCEED TWICE THAT SHOWN FOR TRANSVERSE BRACING



NOTES:
1. OVERLAP JACKET MINIMUM OF 1-1/2".
2. LONGITUDINAL JACKETING SEAMS SHALL BE POSITIONED AT 3 O'CLOCK OR 9 O'CLOCK ONLY WITH TOP LAP FACING DOWNWARD FOR WEATHER PROTECTION.

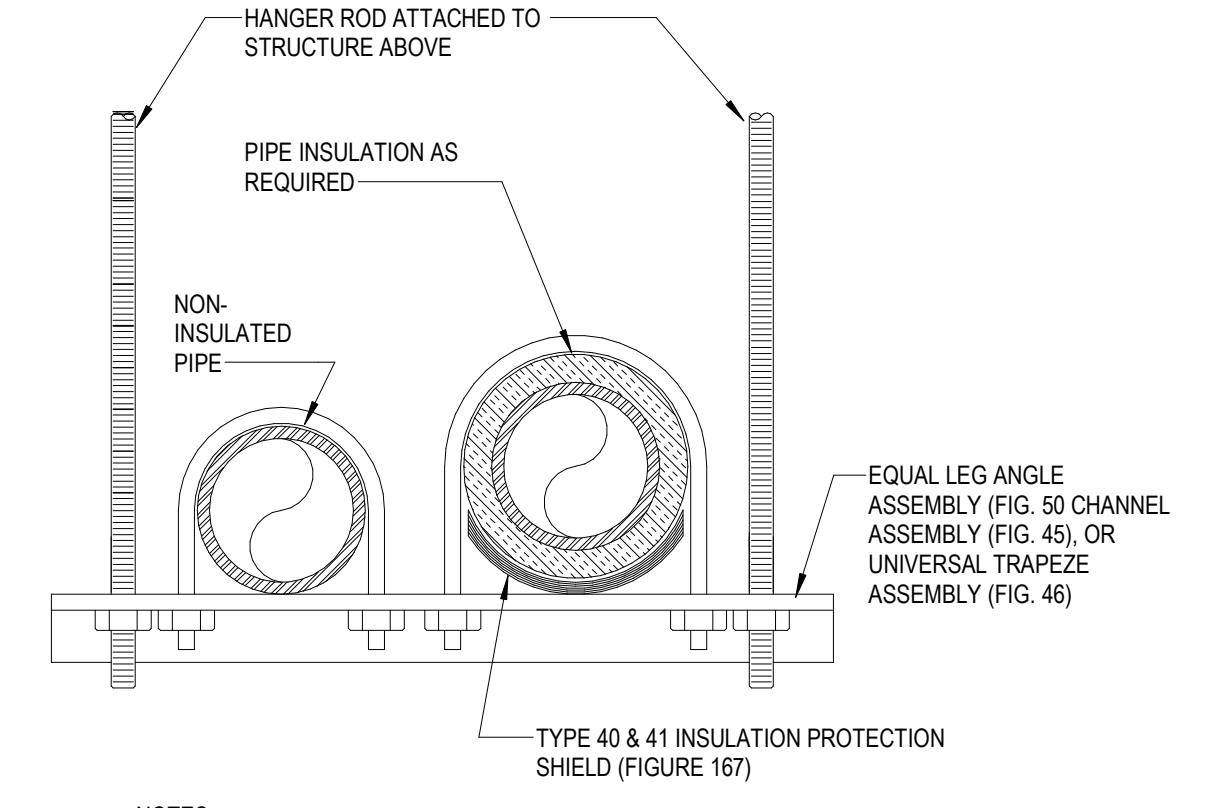


NOTES:
1. TYPICAL FOR NON-INSULATED PIPING AND CONDUIT.
2. TYPICAL FOR MASONRY OR CONCRETE WALL.
3. FOR WALL PENETRATION WITH FIRE RATINGS GREATER THAN (1) HOUR, USE THUNDERLINE "PYRO-PAC" SEALS OR EQUAL.
4. WHERE PIPING EXPOSED AT FINISHED WALL, FLUSH MOUNT SLEEVE, AND PROVIDE AN ESCUTCHEON PLATE.



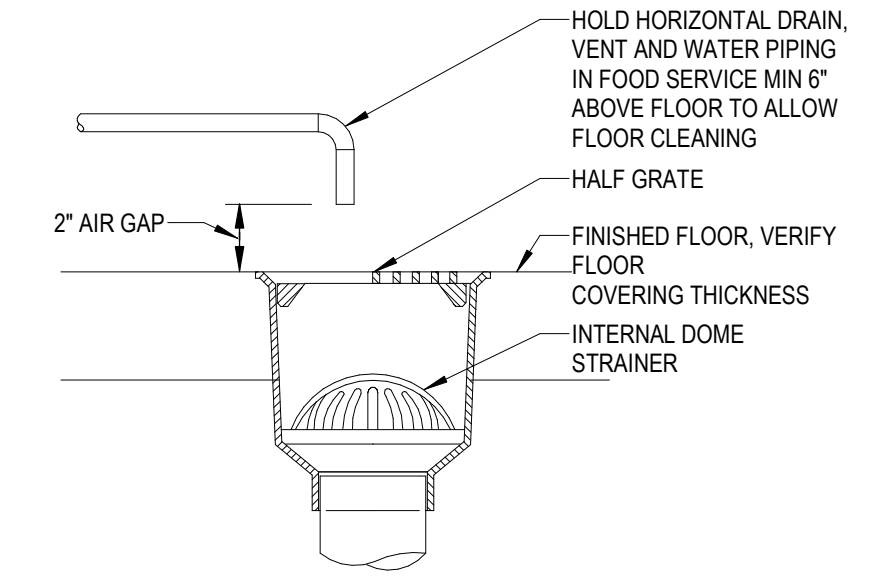
NOTE:
FIGURE NUMBERS ARE TYPICAL TO GRINNELL SUPPORT NUMBERS.

1 SINGLE PIPE CLEVIS HANGER
MS02 1/8" = 1'-0"



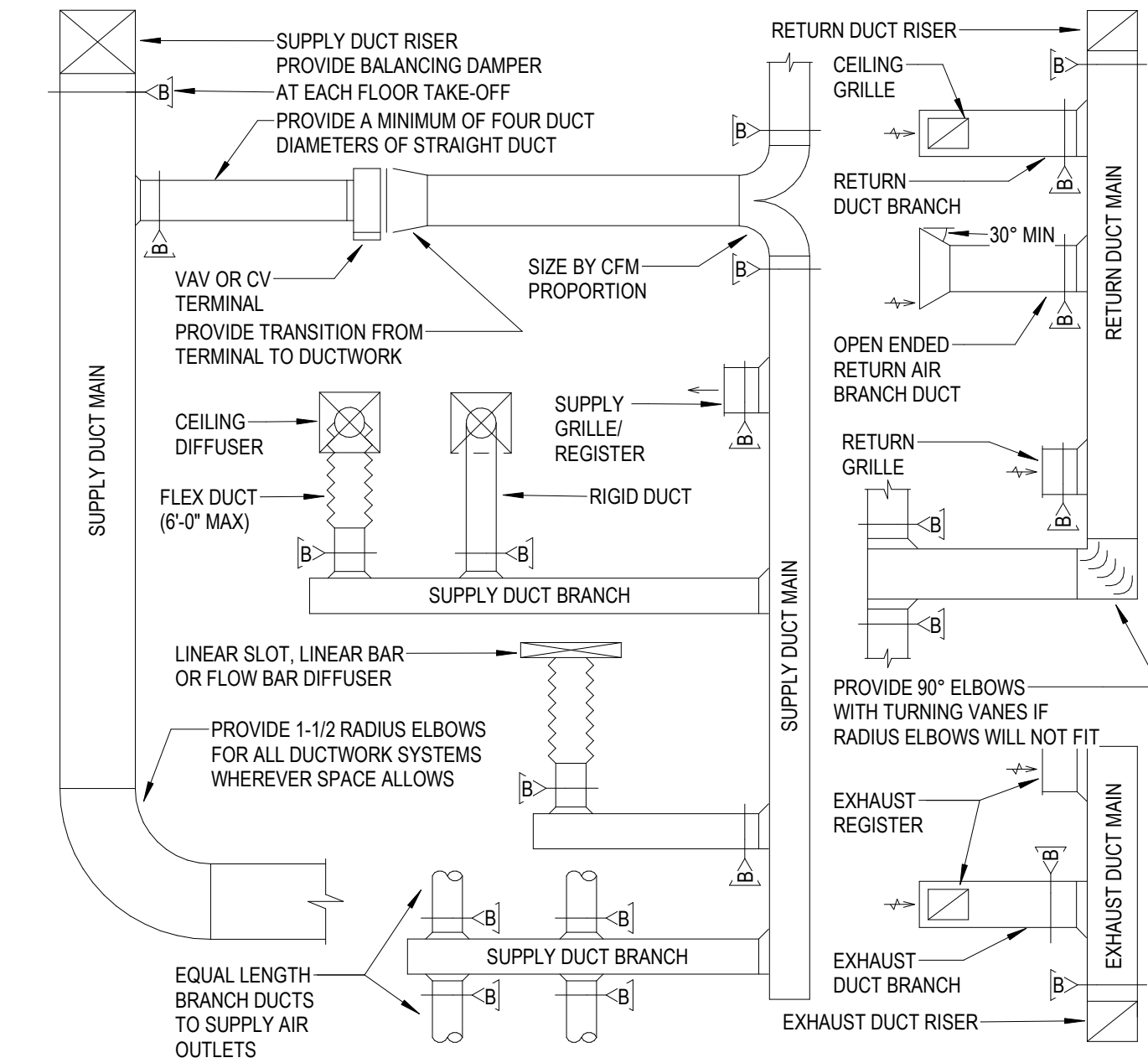
NOTES:
1. SIZE RODS, SPRING CUSHION, AND HORIZONTAL MEMBER APPROVED TO SATISFY LOAD REQUIREMENT WITH SAFETY FACTOR OF 5.
2. FIGURE NUMBERS ARE TYPICAL TO GRINNELL SUPPORT NUMBERS.

2 TRAPEZE TYPE PIPE SUPPORT
MS02 1/8" = 1'-0"



3 FLOOR SINK
MS02 1/8" = 1'-0"

NOTES:
1. REFER TO HVAC FLOOR PLANS FOR DUCT SIZES
2. REFER TO SCHEDULES FOR GRILLES, REGISTERS, DIFFUSERS AND TERMINAL SIZES AND TYPES
3. PROVIDE A MANUAL, TYPE BALANCING DAMPER FOR EACH SUPPLY OUTLET AND RETURN INLET
4. ALL DUCT RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED
5. FLEX DUCT WILL NOT BE ALLOWED ON RETURN OR EXHAUST DUCTWORK SYSTEMS
6. PROVIDE 12" AIR CUSHION AT THE END OF EACH SUPPLY MAIN AND BRANCH DUCT
7. INDIVIDUAL BRANCH BALANCING DAMPERS NOT REQUIRED FOR SUPPLY OR EXHAUST REGISTERS



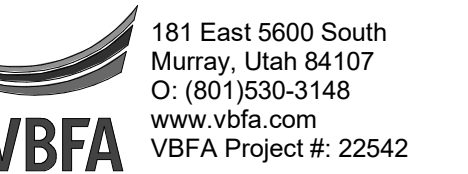
4 DUCTWORK INSTALLATION DIAGRAM
NO SCALE
MS02

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MECHANICAL
DETAILS



GENERAL MECHANICAL SYMBOLS	PLUMBING AND PIPING SYMBOLS	PLUMBING GENERAL NOTES	PROJECT GENERAL NOTES																																																																																																																																																																																																																																																															
<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>PIPE SLOPE TAG</p> <p>PIPE INVERT ELEVATION TAG</p> <p>EXISTING PIPE TAG</p> <p>PIPING BEING DEMOLISHED</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>NPCW NON-POTABLE COLD WATER</p> <p>SCW SOFT COLD WATER</p> <p>FCW FILTERED 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>M INDIRECT WASTE</p> <p>OV OIL VENT</p> <p>OW OIL WASTE</p> <p>PD PUMP DISCHARGE</p> <p>SV SANITARY VENT</p> <p>SW SANITARY WASTE</p> <p>SHWR SOLAR HOT WATER RETURN</p> <p>SHWS SOLAR HOT WATER SUPPLY</p> <p>RD ROOF DRAINAGE</p> <p>RDO ROOF DRAIN OVERFLOW</p> <p>CO2 CARBON DIOXIDE</p> <p>HE HELIUM</p> <p>IA INSTRUMENT AIR</p> <p>MA MEDICAL AIR</p> <p>MV MEDICAL VACUUM</p> <p>N2 NITROGEN</p> <p>N2O NITROUS OXIDE</p> <p>O2 OXYGEN</p> <p>WAGD WASTE ANESTHESIA GAS DISPOSAL</p>	<p>PLUMBING GENERAL NOTES</p> <ol style="list-style-type: none"> 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 4" 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: <ul style="list-style-type: none"> A. SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED. B. LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING. C. LOCATE AT THE BASE OF EACH VERTICAL STACK. 	<p>PROJECT GENERAL NOTES</p> <ol style="list-style-type: none"> 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. UNSAL 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 4" 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 PULLS, BAS 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. 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FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT																																																																																																																																																																																																																																																															
GAL	GALLON	SP	STANDPIPE																																																																																																																																																																																																																																																															
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE																																																																																																																																																																																																																																																															
GW	GREASE WASTE	T	THERMOSTAT																																																																																																																																																																																																																																																															
HB	HOSE BIB	TD	TEMPERATURE DROP																																																																																																																																																																																																																																																															
HP	HORSE POWER	TR	TRENCH DRAIN																																																																																																																																																																																																																																																															
HTG	HEATING	TEMP	TEMPERATURE																																																																																																																																																																																																																																																															
HTR	HEATER	TYP	TYPICAL																																																																																																																																																																																																																																																															
HW	HOT WATER	UG	UNDERGROUND																																																																																																																																																																																																																																																															
HYD	HYDRANT	VAC	VACUUM																																																																																																																																																																																																																																																															
ID	INDIRECT	V	VENT																																																																																																																																																																																																																																																															
IN	INCH	VAV	VARIABLE AIR VOLUME																																																																																																																																																																																																																																																															
INW	INVERT	VENT	VENTILATION																																																																																																																																																																																																																																																															
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																																																																																																																																																																																																																																																															
<p>PLUMBING SHEET INDEX</p>																																																																																																																																																																																																																																																																		
<p>MEDICAL GAS GENERAL NOTES</p> <ol style="list-style-type: none"> 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. <p>*NOTE*</p> <p>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.</p>																																																																																																																																																																																																																																																																		

Intermountain Healthcare
Utah Valley Regional Medical Center
MRI Replacement

36 South State Street, Suite 2300
Salt Lake City, Utah 84111

NJRA Project # 22230.00
Construction Documents Jan. 19, 2023

PLUMBING
TITLE SHEET

P000