

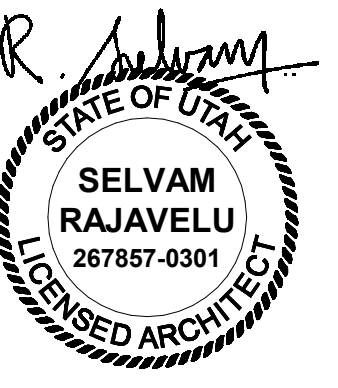
Intermountain Healthcare  
**Riverton Hospital**  
**Endoscopy Room #4**  
 3741 West 12600 South  
 Riverton, UT 84065

**Construction Documents**

DESIGN TEAM	
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<b>ELECTRICAL ENGINEER</b> <b>Spectrum Engineers</b> 324 South State St, Suite 400 Salt Lake City, UT 84111 Phone: 801-401-8422 Contacts: Project Manager: Peter Johansen Email: pej@spectrum-engineers.com	
<b>STRUCTURAL ENGINEER</b> <b>Reaveley Engineer</b> 675 East 500 South, Suite 400 Salt Lake City, UT 84102 Phone: 801-505-4015 Contacts: Project Manager: Dorian Adams Email: dadams@reaveley.com	



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Intermountain Healthcare  
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NJRA Project # 21211.00  
 Construction Documents Feb 7, 2022

Cover Sheet

**G001**

### INTERIM LIFE SAFETY MEASURES

IMPLEMENTATION OF INTERIM LIFE SAFETY MEASURES (ILSM) IS REQUIRED IN OR ADJACENT TO ALL CONSTRUCTION AREAS AND THROUGHOUT BUILDINGS WITH EXISTING LSC DEFICIENCIES. ILSM APPLY TO ALL PERSONNEL INCLUDING CONSTRUCTION WORKERS. MUST BE IMPLEMENTED UPON PROJECT DEVELOPMENT, AND CONTINUOUSLY ENFORCED THROUGH PROJECT COMPLETION. ILSM ARE INTENDED TO PROVIDE A LEVEL OF LIFE SAFETY COMPARABLE TO THAT DESCRIBED IN CHAPTERS 1 THROUGH 7.31 AND THE APPLICABLE OCCUPANCY CHAPTERS OF THE LSC. EACH ILSM ACTION MUST BE DOCUMENTED THROUGH WRITTEN POLICIES AND PROCEDURES, EXCEPT AS STATED BELOW. FREQUENCIES FOR INSPECTION, TESTING, TRAINING, AND ILSM CONSIST OF THE FOLLOWING ACTIONS:

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

### PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE FOLLOWING SCOPE OF WORK:

- INSTALLATION OF TWO NEW GETINGE MONITOR AND EQUIPMENT BOOM AT THE CEILING OF THE EXISTING ENDOSCOPY ROOM #4. PROVIDE ASSOCIATED STRUCTURE, MID GAS, ELECTRICAL ITEMS ABOVE CEILING.
- REPLACE EXISTING CEILING WITH GYPSUM BOARD CEILING, REFINISH, PAINT AS NOTED IN THE CONSTRUCTION DOCUMENTS.

### APPROVALS

Approver's Name, Title \_\_\_\_\_ Date \_\_\_\_\_

Approver's Name, Title \_\_\_\_\_ Date \_\_\_\_\_

Approver's Name, Title \_\_\_\_\_ Date \_\_\_\_\_

Approver's Name, Title \_\_\_\_\_ Date \_\_\_\_\_

### INFECTION CONTROL RISK ASSESSMENT

#### CONSTRUCTION ACTIVITY TYPE

Major demolition or construction that creates major disruption, i.e. noise, dust, vibration, odor, or mechanical systems includes, but not limited to:

- heavy demolition or removal of a complete cabling system
- new construction or buildout of shell/space

#### INFECTION CONTROL RISK GROUP

Highest:

- Pharmacy

#### CONSTRUCTION CLASS

Construction Activity Type:

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

#### INFECTION CONTROL PROTOCOLS

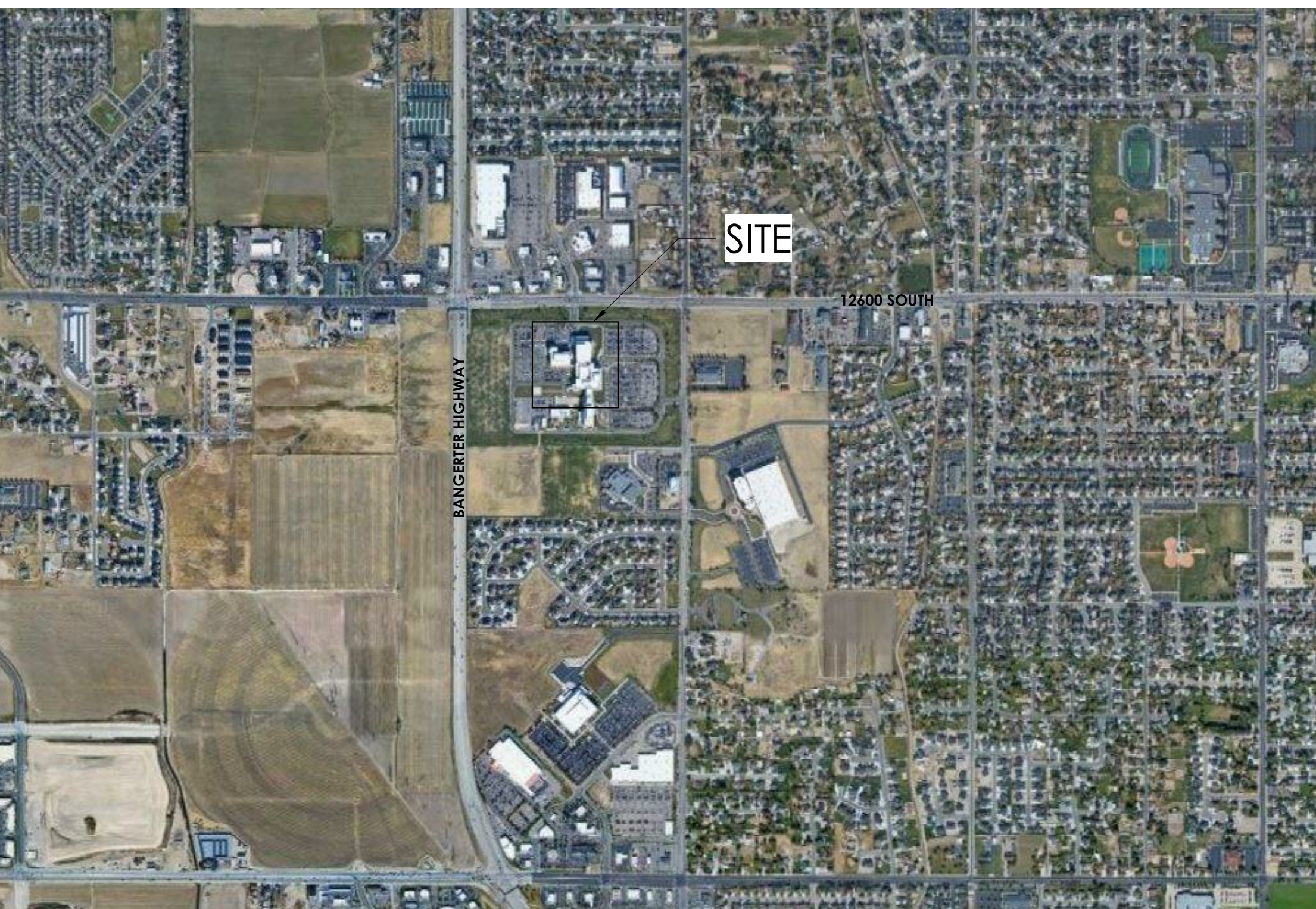
During Construction (Class IV):

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

Upon Completion (Class IV):

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

### VICINITY MAP



### DEFERRED SUBMITTALS

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

- DETAILS AND ENGINEERING CALCULATIONS FOR ALL NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS. THESE SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-05, REFERENCE IBC SECTION 1413.1. THIS INCLUDES:
  - ELECTRICAL SYSTEMS
  - MECHANICAL SYSTEMS
  - PLUMBING SYSTEMS
  - DECORATIVE ARCHITECTURAL COMPONENTS.
- DETAILS AND ENGINEERING CALCULATIONS FOR THE FIRE SPRINKLER AND FIRE DETECTION SYSTEMS, WHICH ARE TO BE DESIGNED AND CONSTRUCTED BY THE CONTRACTOR TO COMPLY WITH NFPA 13 AND SHALL INCLUDE:
  - FIRE ALARM PLANS (INCLUDING CO DETECTOR LOCATIONS)
  - AUTOMATIC FIRE SPRINKLER PLANS
  - HOOD FIRE SUPPRESSION
  - CLASS "K" FIRE EXTINGUISHER LOCATION(S)
- STRUCTURAL TRUSS AND JOIST DESIGNS (AS LISTED IN THE STRUCTURAL DRAWINGS).

### SPECIAL INSPECTIONS

SEE STRUCTURAL DRAWINGS FOR SPECIAL INSPECTIONS REQUIRED.

### DEFINITIONS

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

### DRAWING INDEX

#### GENERAL

- G001 Cover Sheet
- G002 General Information
- G003 General Information
- G004 American National Standard Institute Requirements
- G005 General Legend & Notes

G121 Code Compliance Plan Level 2 - Overall

#### STRUCTURAL

- S001 General Structural Notes, Legends and Abbreviations
- SF101 Level 3 Partial Framing Plan
- SF501 Equipment Support Details

#### ARCHITECTURAL

- A121 Demolition Floor Plan Level 2 - Overall
- A123 Floor Plan Level 2 - Overall

A251 Interior Elevations

A401 Enlarged Views

A501A Wall Types

A502A Wall Details

A503A Ceiling Details

#### MECHANICAL

- ME001 Mechanical Symbols and Legend
- ME001 Mechanical General Notes
- MH401 Mechanical Plans

MG401 Medical Gas Plans

FP401 Fire Protection Plans

#### ELECTRICAL

EE001 Sheet Index, Abbreviations, and General Notes

EE002 Symbols Legend

EE003 Electrical Details

EE004 Genlge Drawings

EE005 Genlge Drawings

EE601 Electrical Schedules

EE701 Typical Mounting Height Details

EE702 Typical Labeling Details

EP102 Overall Power Plan Level 2

EP401 Enlarged Electrical Plans

ET001 Telecom Schedules and Notes

ET501 Telecom Details

ET601 Telecom Conduit Riser Diagrams

#### EQUIPMENT

EQ101 Equipment Drawings

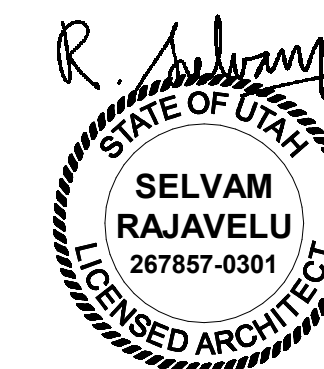
EQ102 Equipment Drawings

EQ103 Equipment Drawings

EQ104 Equipment Drawings



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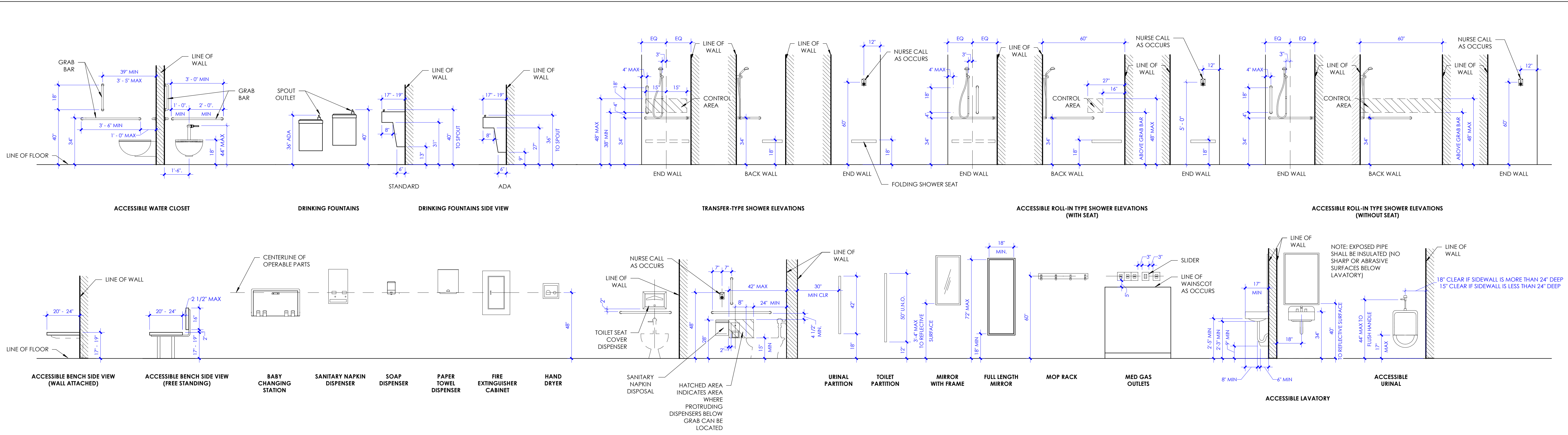
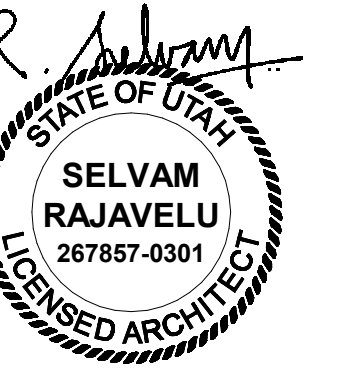
3741 West 12600 South  
 Riverton, UT 84005

NJRA Project # \_\_\_\_\_ 21211.00  
Construction Documents \_\_\_\_\_ Feb. 7, 2022

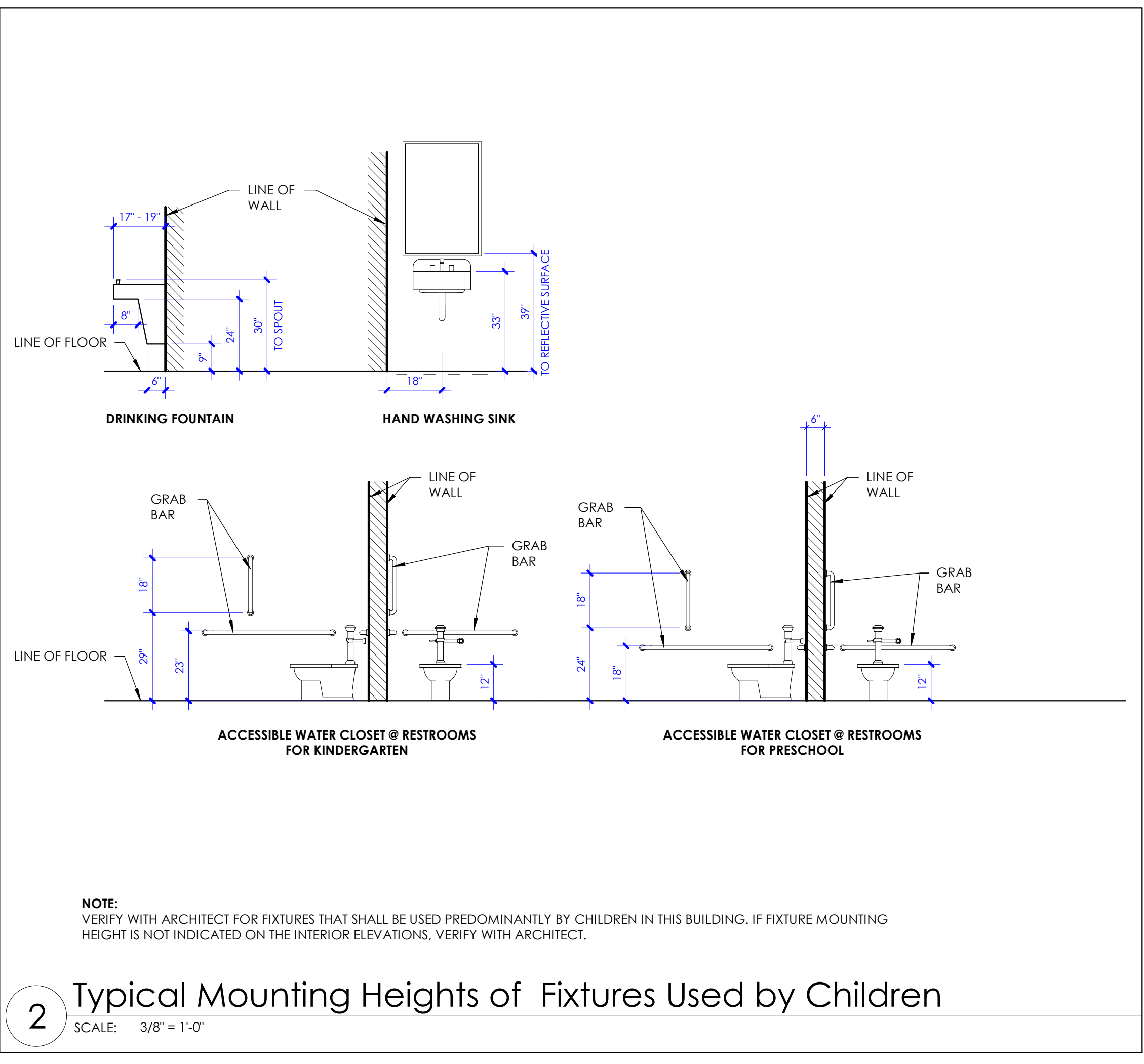
General  
Information

G002

2/8/2022 4:10:28 PM



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



2 Typical Mounting Heights of Fixtures Used by Children  
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><b>SHEET NUMBERING SYSTEM</b></p> <p><b>A100A</b></p> <ul style="list-style-type: none"> <li>A: PROJECT AREA</li> <li>100: SHEET NUMBER SEQUENCE</li> <li>A: SHEET TYPE</li> <li>0: DISCIPLINE</li> </ul>	<p><b>ROOM TAG</b></p> <p>ROOM NAME: OFFICE-4</p> <p>ROOM COUNT DESIGNATION: 155 SF</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><b>DOOR TAG</b></p> <p>DOOR TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>A124C</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><b>GRID TAG</b></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><b>DATUM POINT TAG</b></p> <p>B.O.C. BOTTOM OF CEILING</p> <p>B.O.H. BOTTOM OF HEADER</p>	<p><b>WINDOW TAG</b></p> <p>WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>A</p>
<p><b>NORTH ARROW</b></p> <p>NORTH</p>	<p><b>CEILING HEIGHT TAG</b></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>FLOOR FINISH TAG</b></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><b>BUILDING SECTIONS</b></p> <p>SECTION TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS</p> <p>A101</p> <p>SHEET WHERE DRAWN</p>	<p><b>SPOT ELEVATION</b></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><b>WALL BASE TAG</b></p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL BASE TYPE.</p> <p>B1</p>
<p><b>WALL SECTIONS</b></p> <p>SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>A101</p> <p>SHEET WHERE DRAWN</p>	<p><b>VERTICAL ELEVATION</b></p> <p>LEVEL</p> <p>DENOTES FLOOR LEVEL</p> <p>DENOTES BUILDING REFERENCE ELEVATION</p>	<p><b>WALL FINISH TAG</b></p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL FINISHES REQUIRED.</p> <p>W3</p>
<p><b>DETAIL TAGS</b></p> <p>DETAIL NUMBER</p> <p>A506</p> <p>SHEET WHERE DRAWN</p>	<p><b>FLOOR PLAN MATCHLINE</b></p> <p>DETAIL LOCATION NUMBER</p> <p>SHEET WHERE DRAWN</p>	<p><b>CEILING FINISH TAG</b></p> <p>TAGS ARE INDICATED ON REFLECTED CEILING PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR CEILING FINISHES REQUIRED.</p> <p>C3</p>
<p><b>DETAIL TAGS</b></p> <p>DETAIL NUMBER</p> <p>A506</p> <p>SHEET WHERE DRAWN</p>	<p><b>REVISION TAG</b></p> <p>CLOUD INDICATES REVISION AREA</p> <p>REVISION NUMBER</p>	<p><b>OTHER FINISH TAG</b></p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN &amp; INTERIOR ELEVATIONS. SEE FINISH SCHEDULE, SHEET A603A. FOR FINISHES REQUIRED.</p> <p>(MS)(MM)(WP)(FL)(WC)(AC)</p>
<p><b>EXTERIOR ELEVATION TAGS</b></p> <p>TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN</p> <p>A202</p> <p>SHEET WHERE DRAWN</p>	<p><b>KEYED NOTES - PROJECT SPECIFIC</b></p> <p>KEYED NOTES THAT ARE PROJECT SPECIFIC AS INDICATED ON PLANS, SECTIONS AND ELEVATIONS</p> <p>DIVISION #</p> <p>DIVISION NOTE</p>	<p><b>CABINET TAG</b></p> <p>CABINET TYPES ARE INDICATED ON INTERIOR ELEVATIONS &amp; CABINET LEGEND, SHEET A505A.</p> <p>W14</p>
<p><b>INTERIOR ELEVATION TAGS</b></p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLANS</p> <p>A232</p> <p>SHEET WHERE DRAWN</p>	<p><b>KEYED NOTES - GENERIC</b></p> <p>KEYED NOTES THAT ARE NOT PROJECT SPECIFIC AS INDICATED ON GENERIC, TYPICAL DETAILS.</p> <p>32</p>	<p><b>SIGN TAG</b></p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE SIGN TYPE DETAIL - /...</p> <p>S2</p>
<p><b>WALL TAG</b></p> <p>WALL TAGS ARE INDICATED ON DIMENSION FLOOR PLANS. WALL TYPES ARE INDICATED IN SHEET A501A.</p> <p>A1</p>		

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General Information

G003

**DOORS AND DOORWAYS**

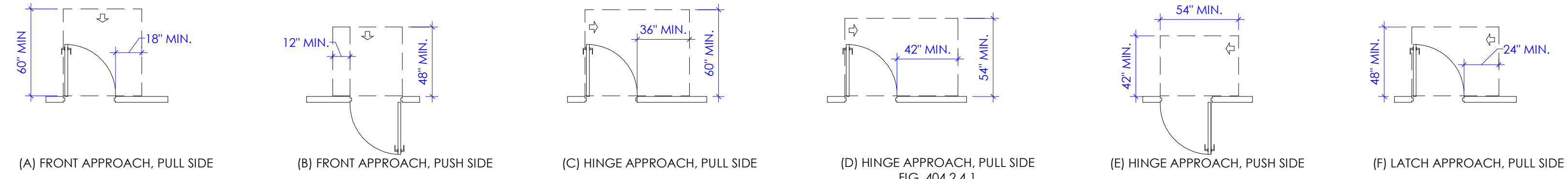
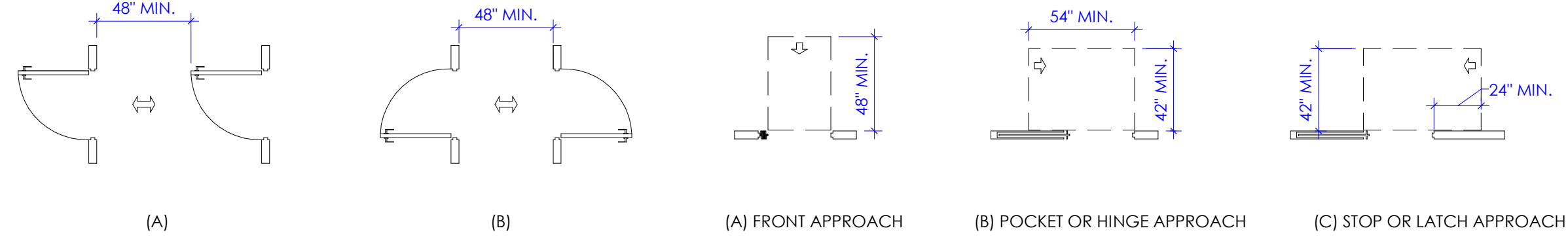
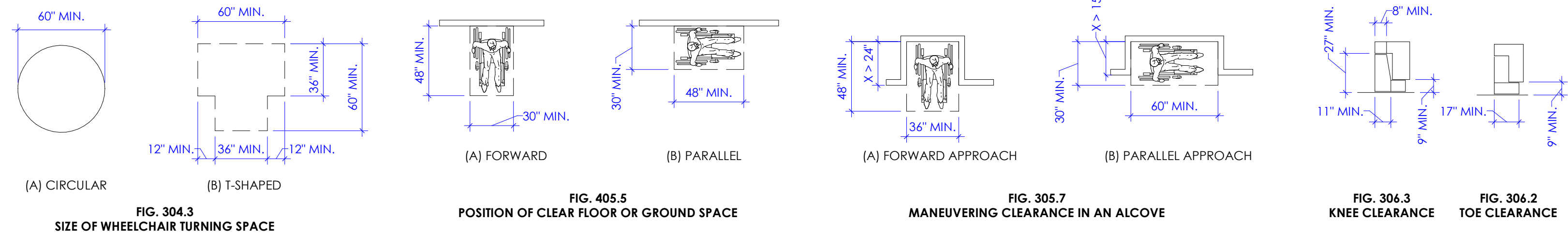


FIG. 404.2.4 TWO DOORS IN A SERIES

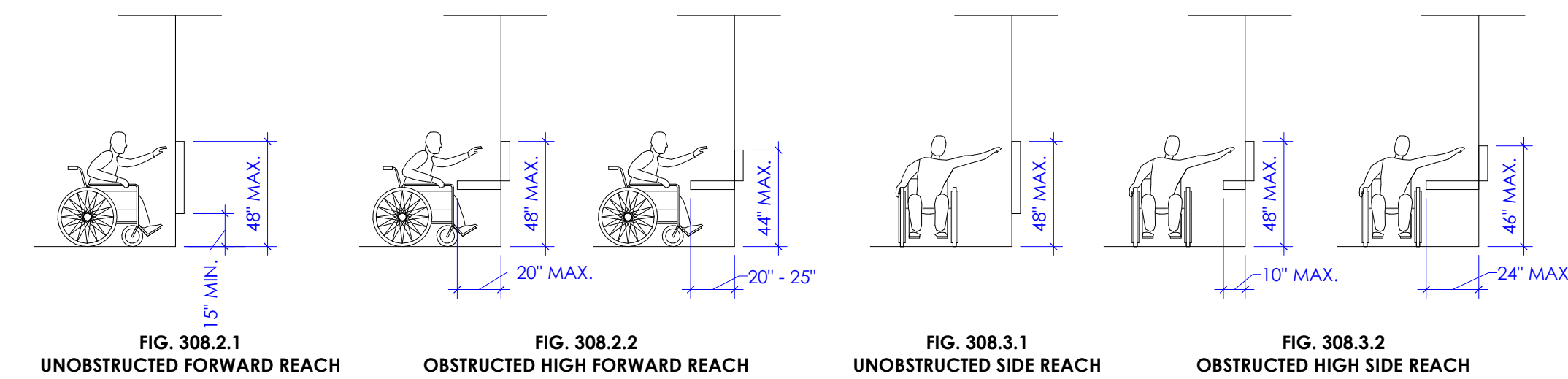
FIG. 404.2.2 MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS



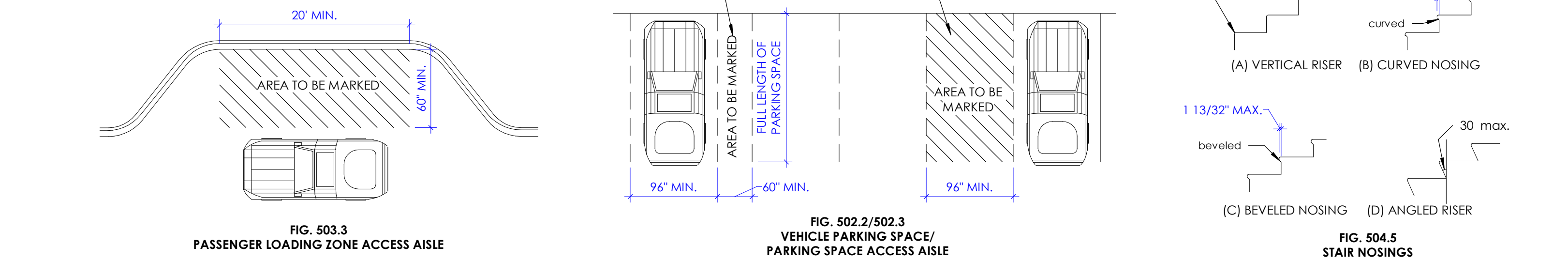
**CLEAR FLOOR SPACE**



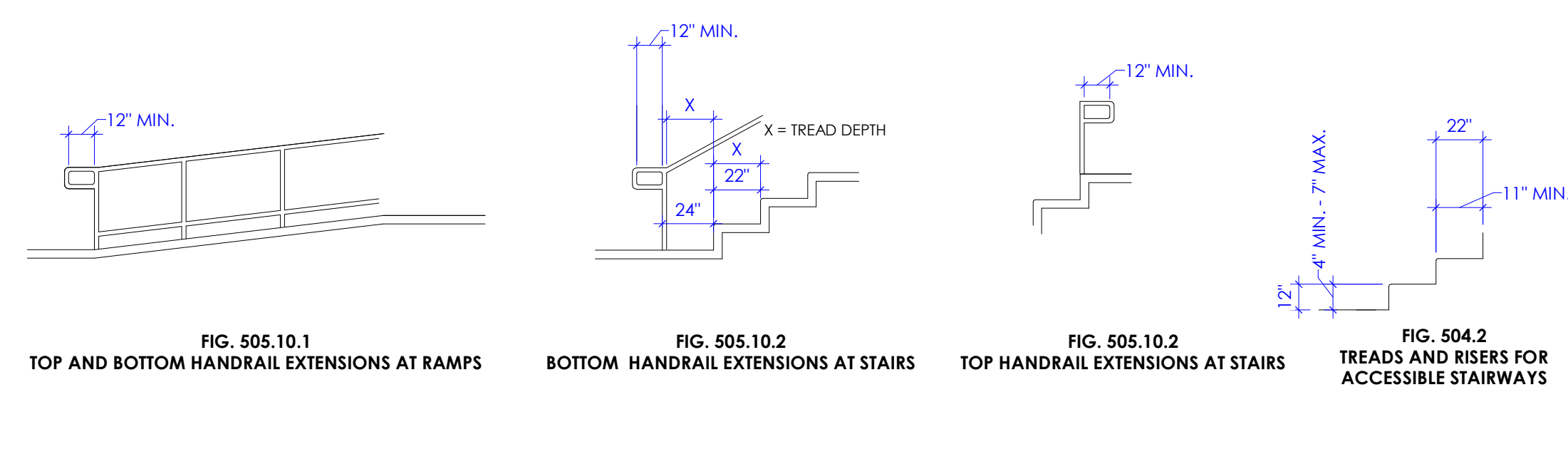
**REACH RANGES**



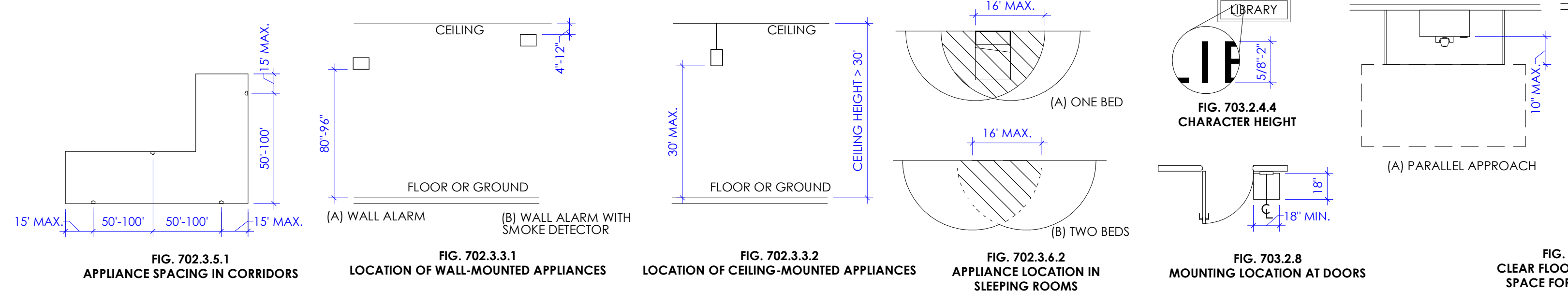
**GENERAL SITE AND BUILDING ELEMENTS**



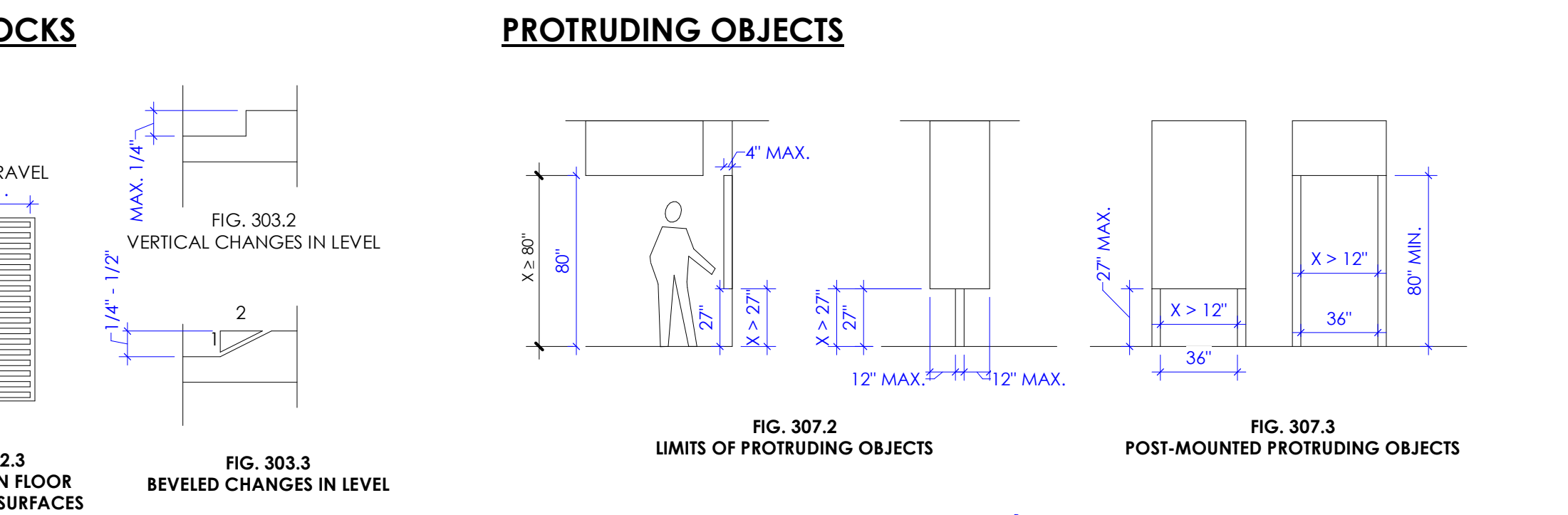
**BUILDING BLOCKS**



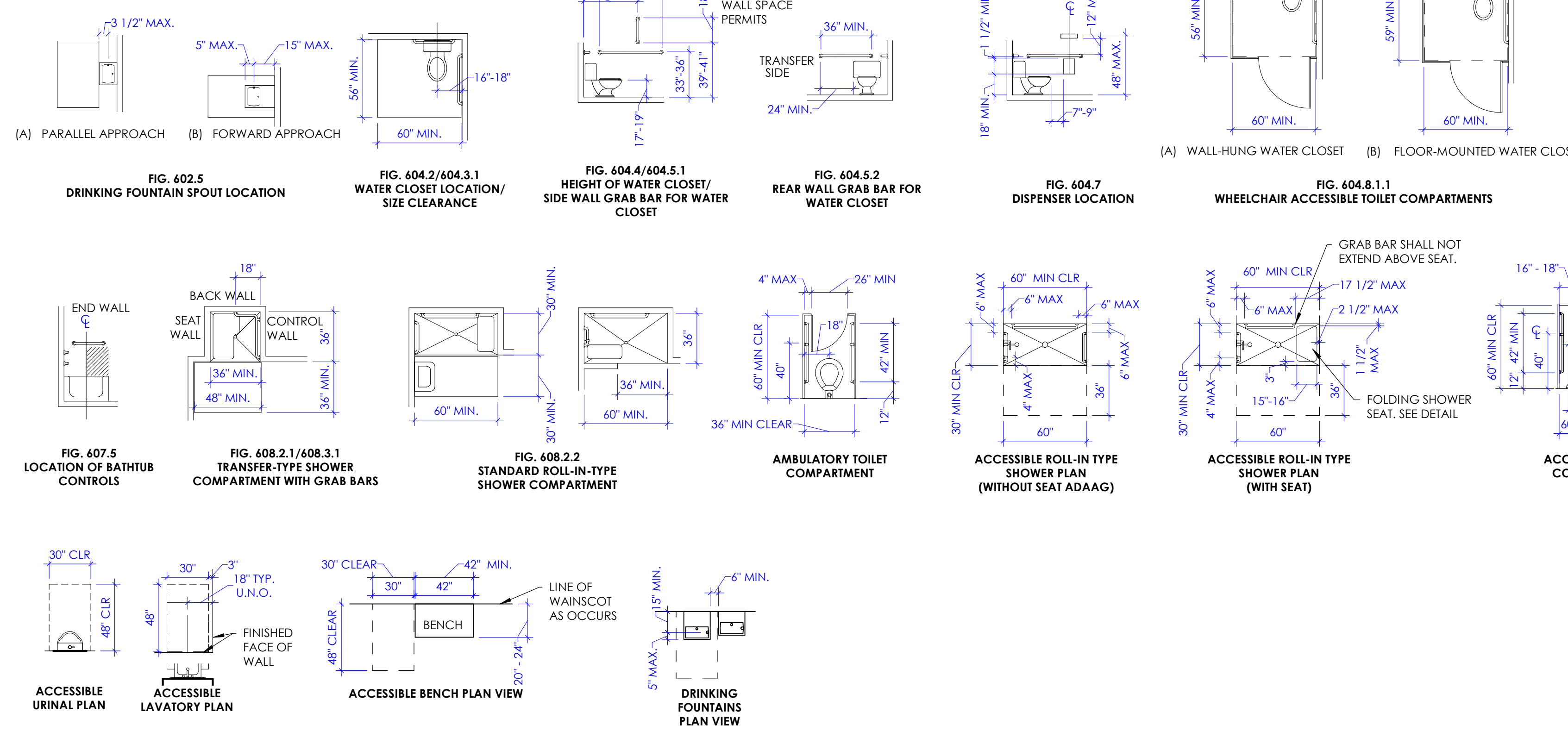
**COMMUNICATION ELEMENTS AND FEATURES**



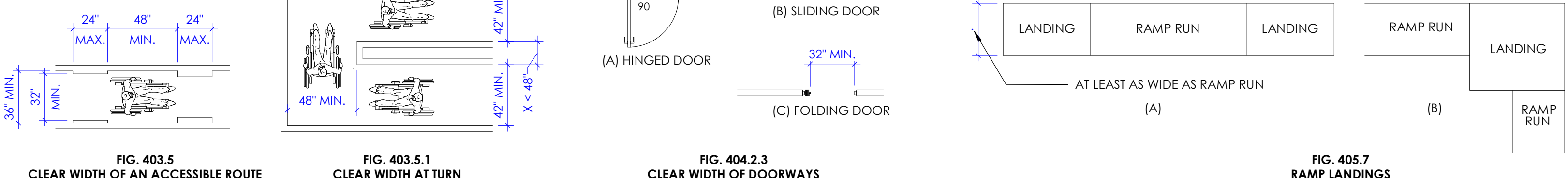
**PROTRUDING OBJECTS**

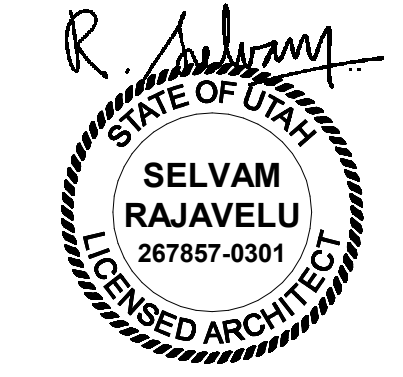


**PLUMBING ELEMENTS AND FACILITIES**



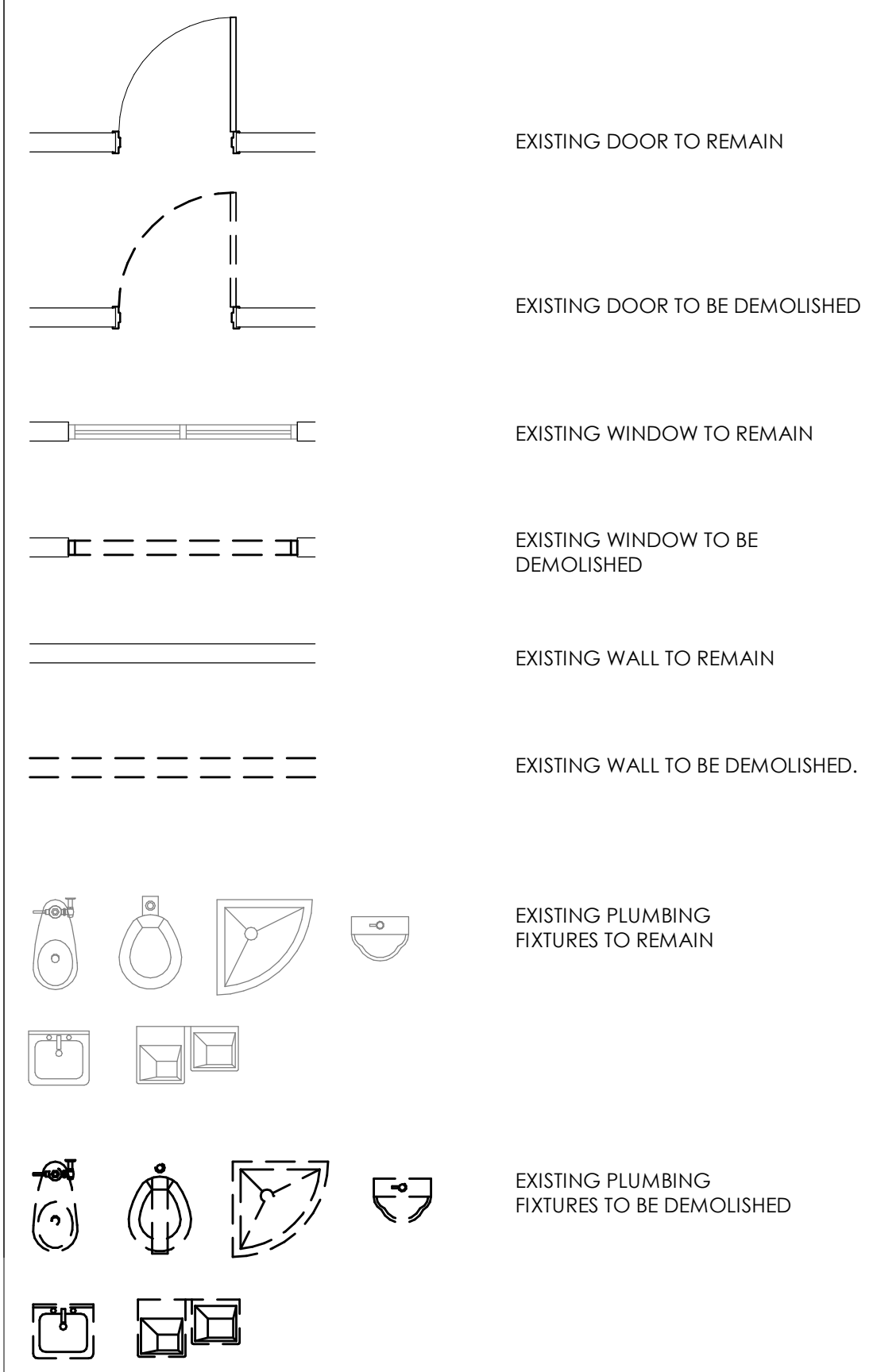
**ACCESSIBLE ROUTES**





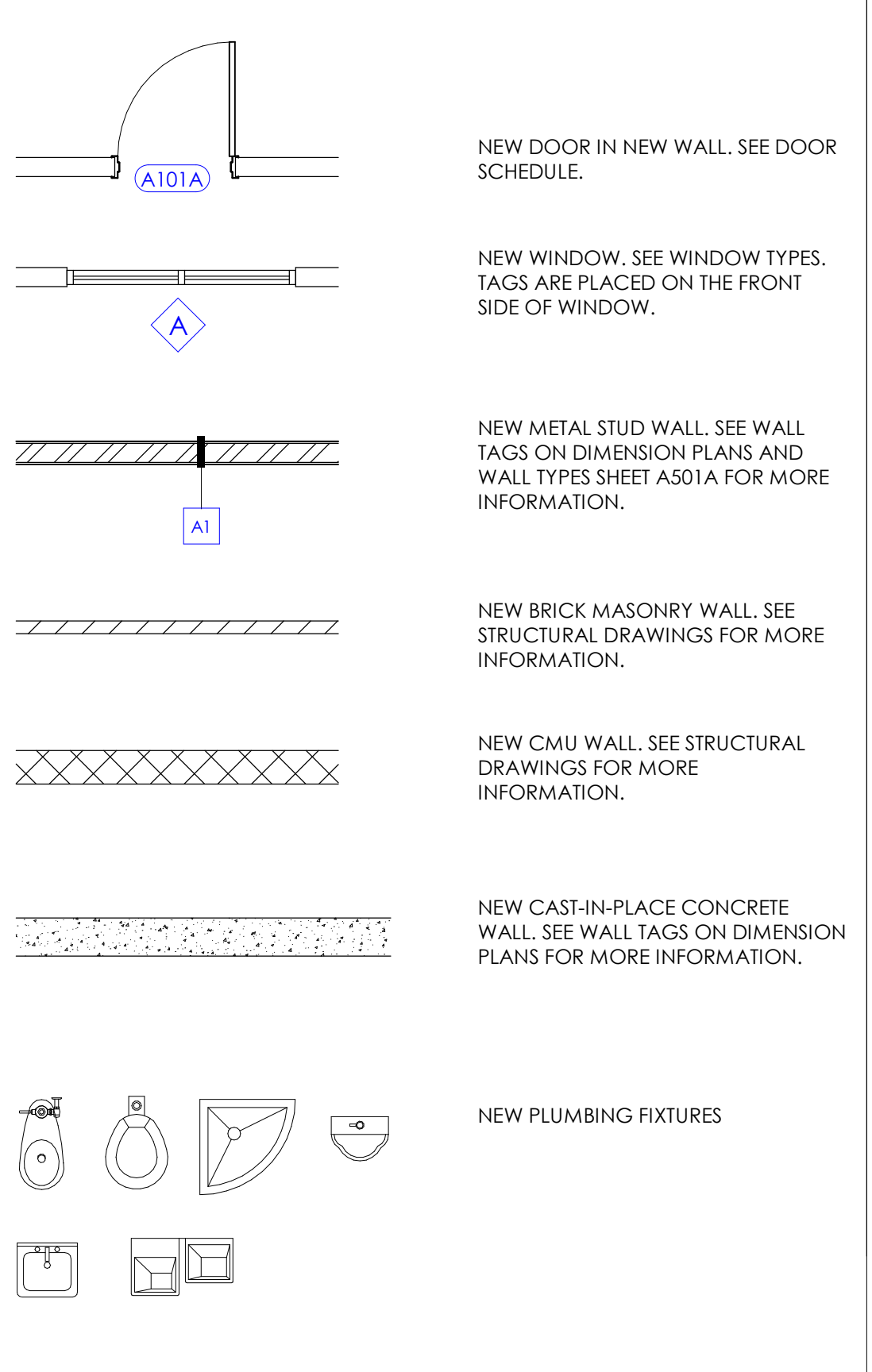
**LEGEND - DEMOLITION FLOOR PLAN**

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



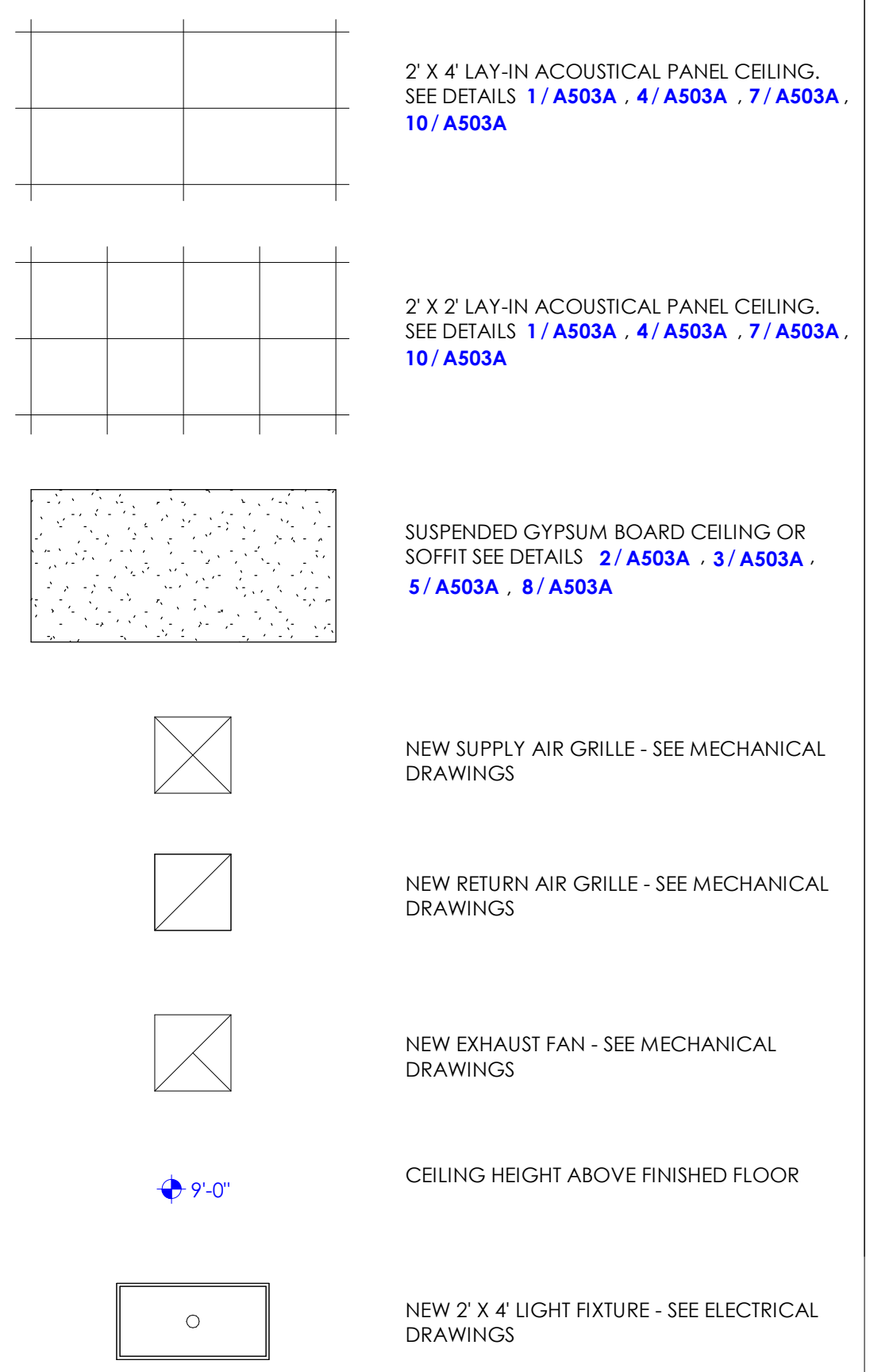
**LEGEND - FLOOR & DIMENSION PLANS**

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



**LEGEND - REFLECTED CEILING PLAN**

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



**GENERAL NOTES**

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

**GENERAL NOTES - DEMOLITION FLOOR PLAN**

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

**GENERAL NOTES - FLOOR & DIM. PLANS**

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

**GENERAL NOTES - REFLECTED CEILING PLAN**

- A. SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS IN CEILING. CONTRACTOR SHALL COORDINATE WITH LIGHT FIXTURES (AS INDICATED IN ELECTRICAL DRAWINGS) AND MOVE DIFFUSERS AROUND THE LIGHT FIXTURE IF THERE IS ANY CONFLICT BETWEEN THE TWO.
- B. SOME OF THE ITEMS ON CEILING INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS, MAY OR MAY NOT BE INDICATED ON ARCHITECTURAL CEILING PLANS. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE WITH ARCHITECT FOR ANY REQUIRED CLARIFICATIONS.
- C. CONTRACTOR SHALL NOT HANG CEILING TILES AND LIGHTS FROM DUCTS, FOR AREAS ABOVE THE CEILING WHERE OVERSIZE DUCTS OCCUR SEE DETAIL 11/A503A.
- D. PAINT ALL VISIBLE EXPOSED ITEMS LIKE METAL DECK, STEEL ANGLES, STEEL BEAMS, STEEL TRUSSES, MISCELLANEOUS EXPOSED STEEL STRUCTURAL COMPONENTS, HOLLOW METAL DOORS, DOOR FRAMES & WINDOW FRAMES, PAINT EXPOSED SURFACES (WITH COLORS AND ACCENT COLORS AS SELECTED BY ARCHITECT) EXCEPT WHERE NATURAL FINISH OR MATERIAL IS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS AND FIRE FINISHED ITEMS.

**GENERAL NOTES - INTERIOR ELEVATIONS**

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

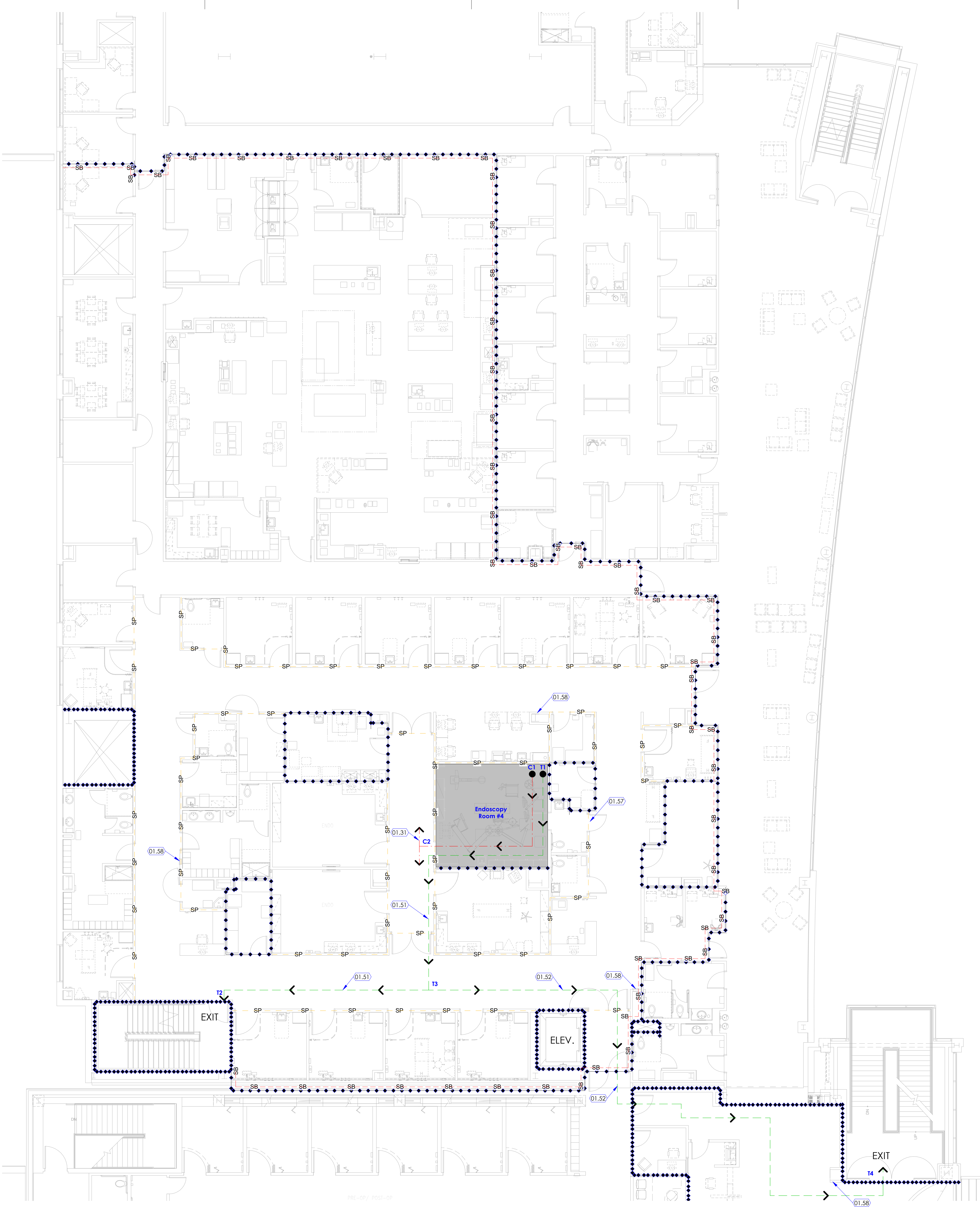
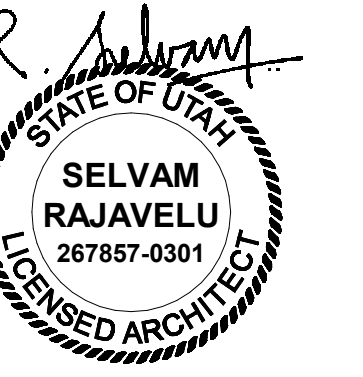
Intermountain Healthcare  
 Riverton Hospital  
 Endoscopy Room #4

3741 West 12600 South  
 Riverton, UT 84065

NJRA Project # 2121.00  
Construction Documents Feb. 7, 2022

General  
Legend &  
Notes

G005



**LEGEND**

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

**KEYED NOTES**

01.31 LINE AND ARROW INDICATES "COMMON PATH OF TRAVEL" DIRECTION AND DISTANCE OF 55' BETWEEN POINTS C1 AND C2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 75'.

01.51 LINE AND ARROW INDICATES "TRAVEL DISTANCE" OF 98' BETWEEN POINTS T1 AND T2. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 200'.

01.52 LINE AND ARROW INDICATES "TRAVEL DISTANCE" OF 123' 10" BETWEEN POINTS T3 AND T4. THIS IS LESS THAN THE MAXIMUM ALLOWED DISTANCE OF 200'.

01.57 CONSTRUCTION ACCESS SUBJECT TO APPROVAL BY OWNER AND INFECTION CONTROL NURSE. THIS DOOR SHALL REMAIN CLOSED AT ALL TIME TO MAINTAIN THE NEGATIVE PRESSURE AT THE ANTE-ROOM AND THE CONSTRUCTION AREA.

01.58 EXISTING FIRE EXTINGUISHER AND CABINET TO REMAIN. PROTECT DURING CONSTRUCTION.

**IBC CODE REVIEW**

**APPLICABLE CODES**

International Existing Building Code (IEBC)	2018
International Fire Code (IFC)	2018
International Mechanical Code (IMC)	2018
International Plumbing Code (IPC)	2018
ANSI/ASHRAE/IES Standard 90.1	2010
National Electric Code (NEC)	2021
NFPA 101	2018
ANSI 117.1	2009

2018 IBC Compliance Option selected for this project is: "Work Area Method - Alteration Level 2".

**Project Description**  
Project includes remodel of existing 373 SQ.Ft. of Endoscopy room to add a new ceiling mounted booms and associated structural, architectural, mechanical and electrical work.

**OCCUPANCY:** I-2 (Hospital)

**CONSTRUCTION TYPE:** Type I-A

**OTHER CODE REQUIREMENTS**

Travel Distance:	200 Feet (I-2)
Common Path of Travel:	75 Feet (I-2)
Minimum Corridor Width:	8 Feet (I-2)
Roof Covering Classification:	A

**AUTOMATICALLY SPRINKLED**  
Building is equipped with an automatic fire extinguishing sprinkler system.

**OCCUPANT LOADS:**

Business:	100 Sq. Ft. Gross per Occupant
Classroom:	20 Sq. Ft. Net per Occupant
Platform / Stage:	15 Sq. Ft. Net per Occupant
Assembly (Unconcentrated):	15 Sq. Ft. Net per Occupant
Storage / Elec. / Mech.:	300 Sq. Ft. Gross per Occupant
Other Areas:	50 Sq. Ft. Net per Occupant

**Total Occupant Load (Per Code): 4 Occupants**

**Level 2 Remodel Area (Total): 373 sf.**

**FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 601)**

	Required	Provided
Structural Frame:	3	3
(2 hr. where supporting the roof)		
Bearing Walls:		
Exterior:	3	3
Interior:	3	3
Non-Bearing Walls:		
Exterior:	0	0
Interior:	0	0
Floor Construction:	2	2
Roof Construction:	1 1/2	1 1/2

**INCIDENTAL ACCESSORY OCCUPANCIES (TABLE 509)**

Boiler Room	0 Hour (w/ automatic sprinkler system), but limit the transfer of smoke
Rooms Containing Fire Pumps	1 Hour (w/ automatic sprinkler system - 913.2.1)

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

**GENERAL**

VIEW & PRINT THIS SHEET IN COLOR FOR CLARITY

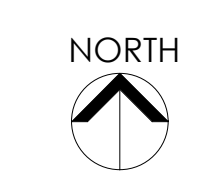
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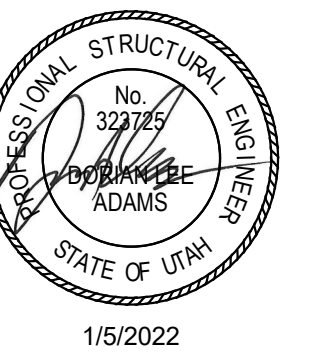
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Code Compliance  
Plan Level 2 - Overall

**G121**





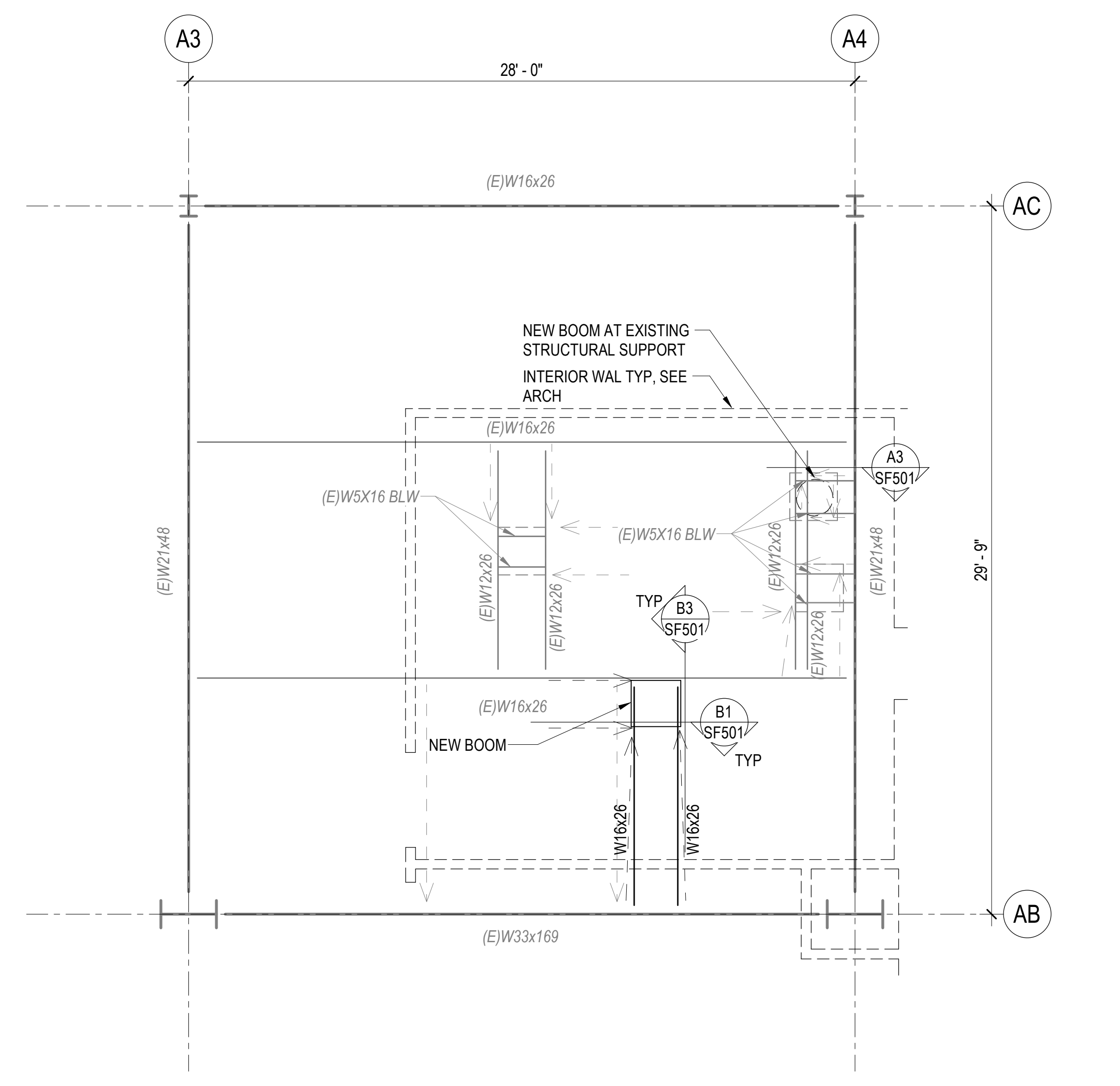


**EXISTING BUILDING NOTES**

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

**MEDICAL EQUIPMENT SUPPORT**

1. VERIFY EQUIPMENT SUPPORT DIMENSIONS WITH MEDICAL EQUIPMENT VENDORS, EXISTING BOOM SUPPORTS AND ARCHITECTURAL PRIOR TO FABRICATION.

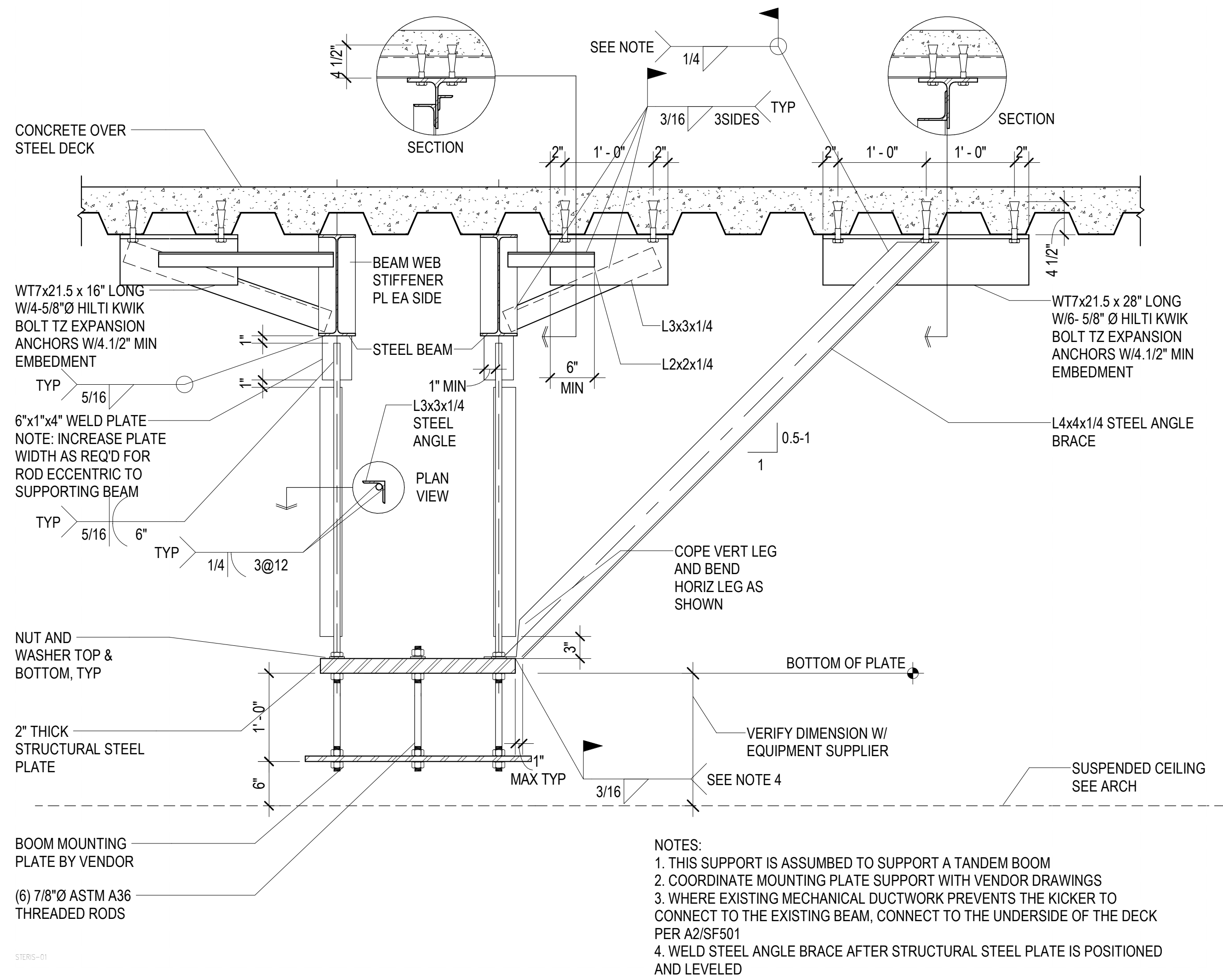
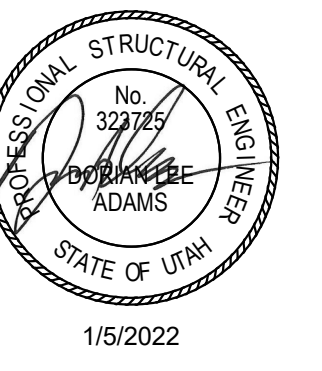


**A2 LEVEL 3 PARTIAL FRAMING PLAN**  
SF101 SCALE: 1/4" = 1'-0"

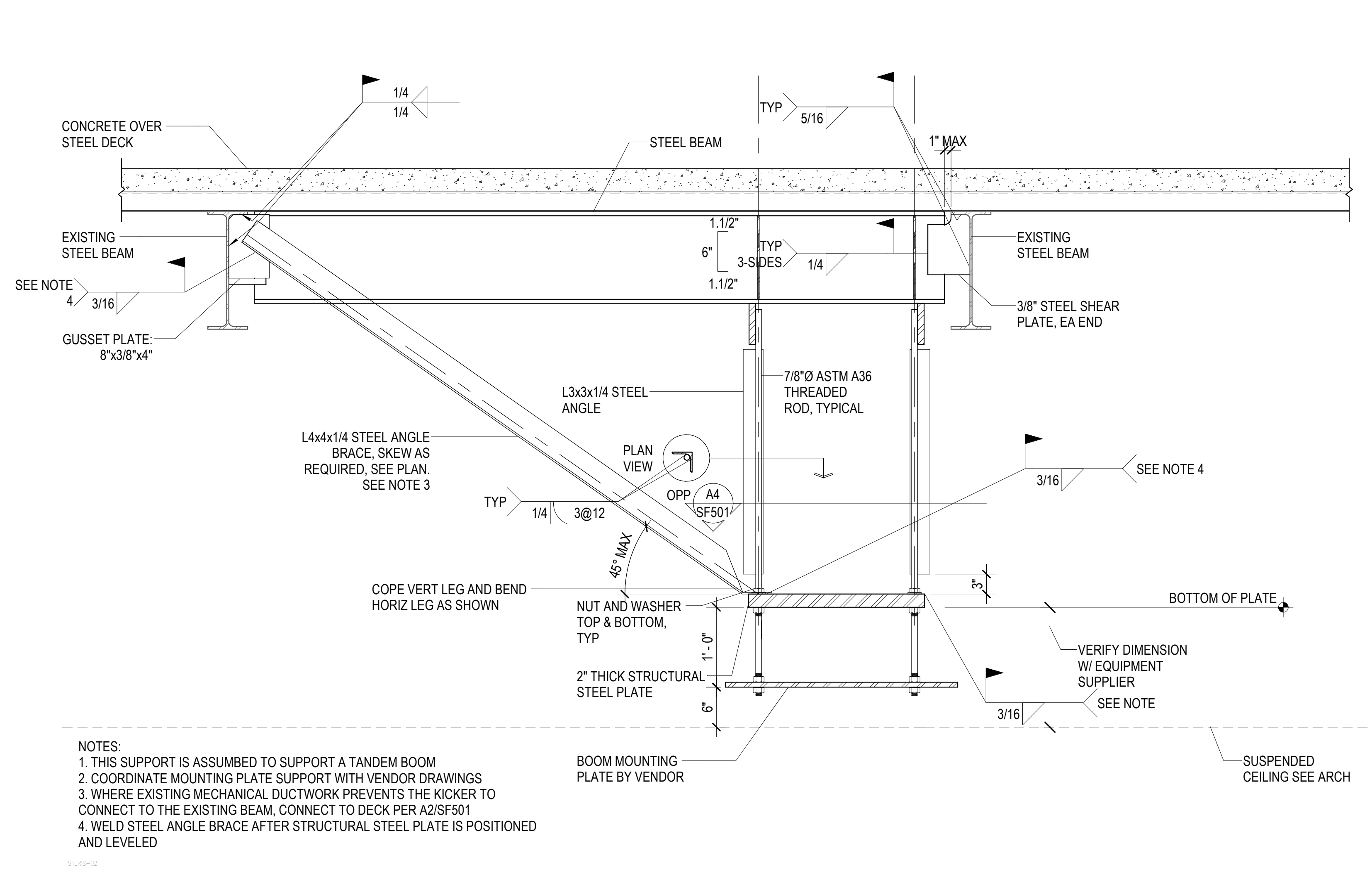
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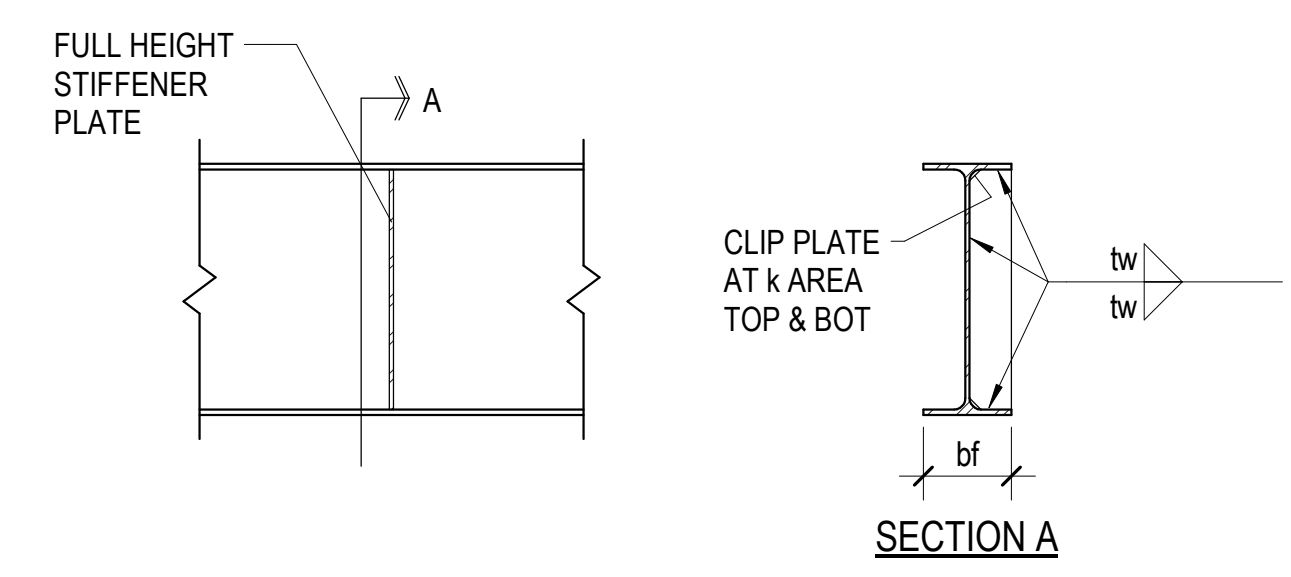




**B1** SECTION AT GETINGE TANDEM SUPPORT  
SF501 NO SCALE



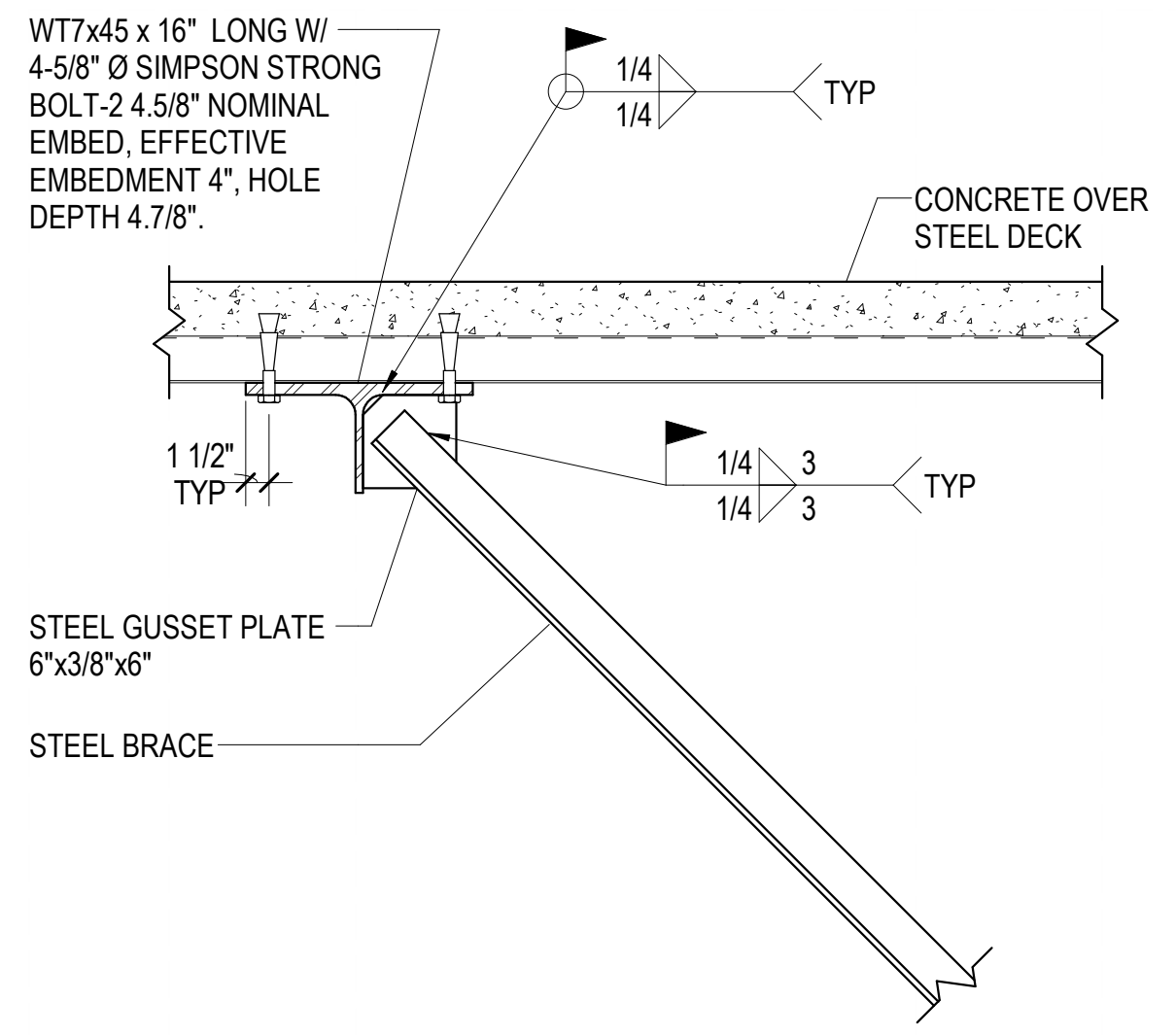
**B3** SECTION AT GETINGE TANDEM SUPPORT  
SF501 NO SCALE



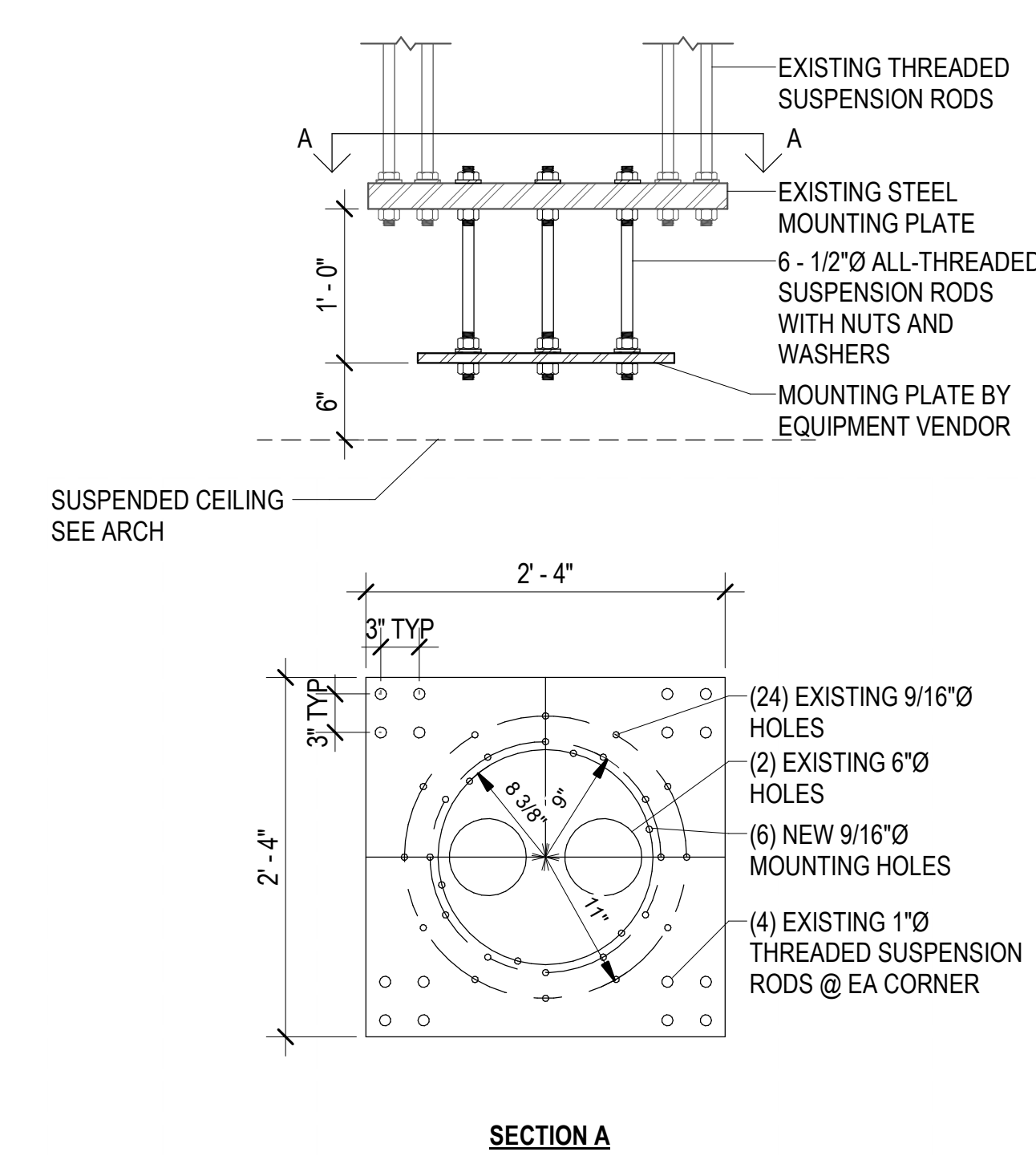
bf	THICKNESS*	tw
UP TO 8.25"	1/4"	3/16"
> 8.25" ≤ 12.25"	3/8"	1/4"
> 12.25" ≤ 16.5"	1/2"	5/16"
> 16.5" ≤ 22"	5/8"	5/16"

\* STIFFENER THICKNESS IS BASED UPON WIDTH OF BEAM FLANGE (bf) UNLESS NOTED OTHERWISE IN DETAILS

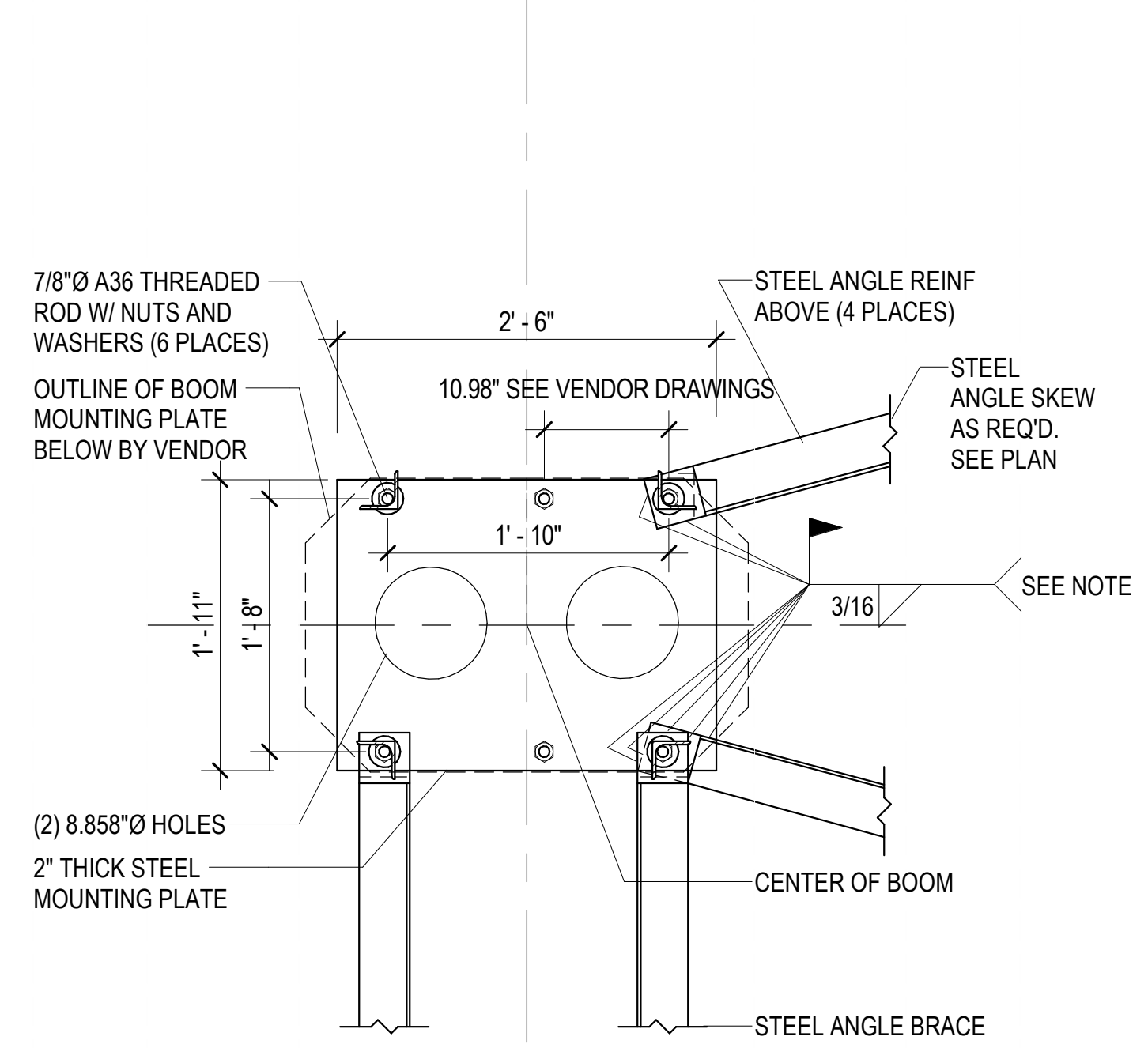
**A1** TYPICAL STIFFENER PLATE DETAIL  
SF501 NO SCALE



**A2** BRACE CONNECTION TO WT (PERPENDICULAR)  
SF501 NO SCALE



**A3** EQUIPMENT MOUNTING PLATE TO EXISTING SUPPORT  
SF501 NO SCALE



**A4** GETINGE TANDEM SUPPORT PLATE DETAIL - PLAN VIEW  
SF501 NO SCALE

NOTES FOR MEDICAL EQUIPMENT SUPPORT DETAILS:  
1. VERIFY ALL DIMENSIONS WITH EQUIPMENT SUPPLIER AND ARCHITECTURAL  
2. FIELD VERIFY LOCATIONS OF EXISTING STEEL FRAMING PRIOR TO FABRICATING EQUIPMENT SUPPORT STEEL

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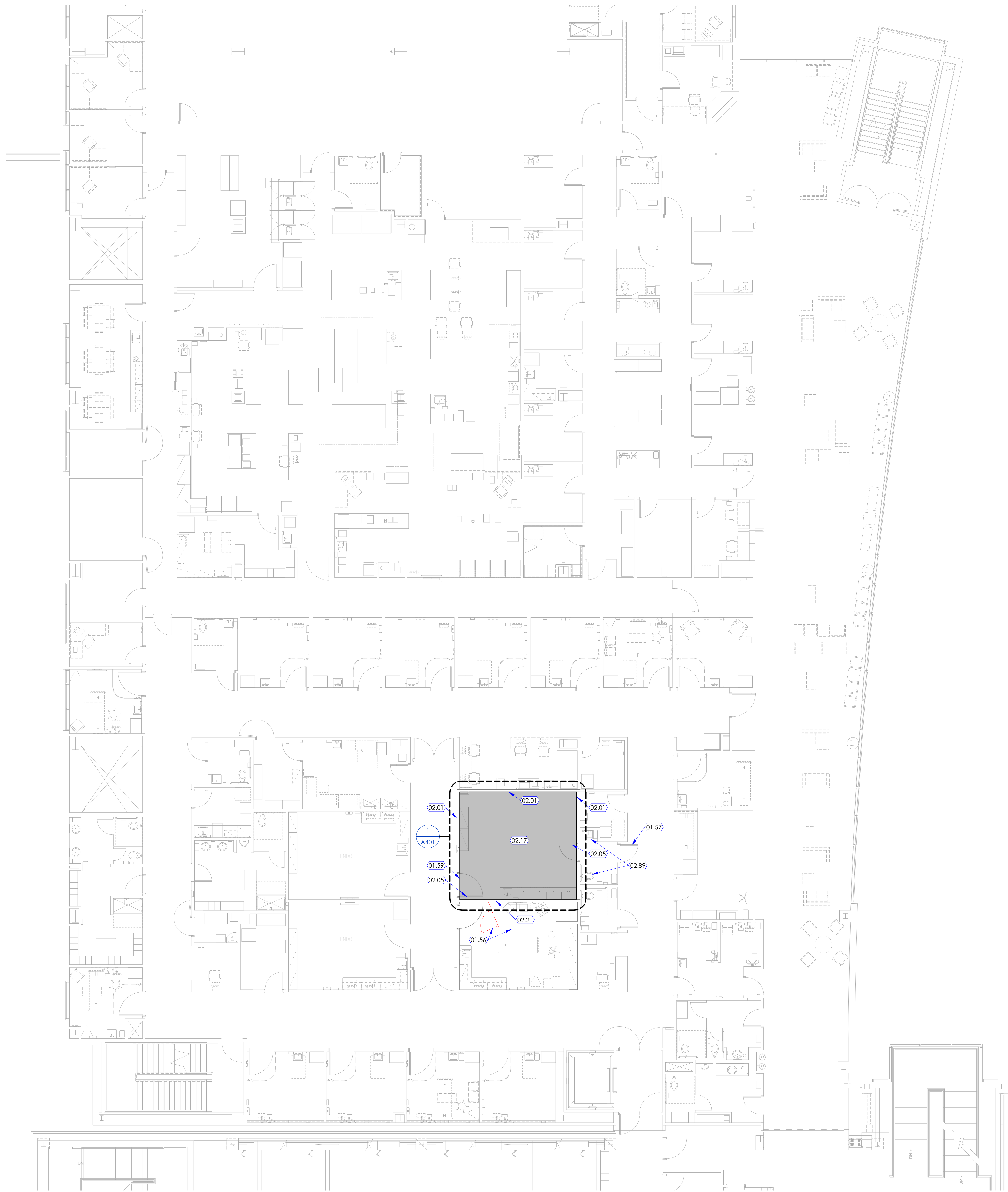
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100% CONSTRUCTION Documents  
January 5, 2022

EQUIPMENT SUPPORT DETAILS

SF501

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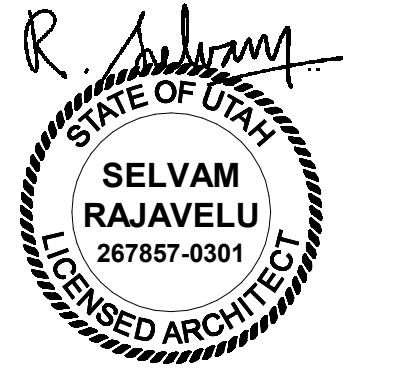


**KEYED NOTES**

- 01.56 LINES INDICATE LOCATION OF FLOOR TO CEILING TEMPORARY DUST PROOF ICRA CONSTRUCTION BARRIER WALL TO PREVENT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OCCUPIED BY THE OWNER FROM FUMES AND NOISE. CONSTRUCTION BARRIER TO BE ERECTED WITH POLYCARBONATE PRE-MADE BARRIERS BY STARC OR EQUAL. TAPE AND 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 AND INFECTION CONTROL NURSE FOR EXACT LOCATION AND ALL REQUIREMENTS. CONTRACTOR SHALL MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION AREA DURING CONSTRUCTION AS REQUIRED BY THE INFECTION CONTROL COMMITTEE OF THE HOSPITAL.
- 01.57 CONSTRUCTION ACCESS SUBJECT TO APPROVAL BY OWNER AND INFECTION CONTROL NURSE. THIS DOOR SHALL REMAIN CLOSED AT ALL TIME TO MAINTAIN THE NEGATIVE PRESSURE AT THE ANTE-ROOM AND THE CONSTRUCTION AREA.
- 01.59 THIS DOOR SHALL BE TAPED AND COMPLETELY SEALED DURING CONSTRUCTION TO AVOID DIRT AND DUST MIGRATION DURING CONSTRUCTION. COORDINATE WITH ICRA AND INFECTION CONTROL NURSE FOR ALL REQUIREMENTS. CONSTRUCTION ACCESS ONLY FROM THE REAR DOOR.
- 02.01 WALL, EXISTING TO REMAIN. PROTECT WALL FROM DAMAGE DURING CONSTRUCTION. PATCH, REPAIR AND REPAINT WALL TO ORIGINAL CONDITION WHERE REQUIRED TO COMPLETE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS. EXISTING WALLS HAVE LEAD LINED GYPSUM BOARD FOR FUTURE IMAGING EQUIPMENT INSTALLATION IN THIS ROOM. CONTRACTOR IS REQUIRED TO MAINTAIN EXISTING LEAD SHIELDING FOR ANY PATCH AND REPAIR WORK THAT WOULD BE PERFORMED.
- 02.05 DOOR, EXISTING TO REMAIN. PROTECT DOOR FROM DAMAGE DURING CONSTRUCTION.
- 02.17 FLOOR COVERING, EXISTING TO REMAIN. PROTECT FLOOR COVERING FROM DAMAGE DURING CONSTRUCTION.
- 02.21 EXISTING ONE HOUR FIRE RATED WALL TO REMAIN. PARTIALLY REMOVE TOP PORTION OF THE WALL TO INSTALL NEW STRUCTURAL BEAMS AS SHOWN IN THE STRUCTURAL DRAWINGS. PATCH, REPAIR, FINISH AND FIRE CAULK AROUND THE STRUCTURE AFTER ALL WORK IS COMPLETED.
- 02.89 TEMPORARILY USE THIS AREA AS ANTE ROOM FOR DUST CONTROL. EXISTING BATHROOM TO BE DECOMMISSIONED BY COVERING ALL PLUMBING FIXTURES (SINK, WC ETC.) UNTIL CONSTRUCTION WORK IS COMPLETED.



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Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

3741 West 12600 South  
Riverton, UT 84065

**GENERAL NOTES**

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.

NJRA Project # 21211.00  
Construction Documents Feb 7, 2022

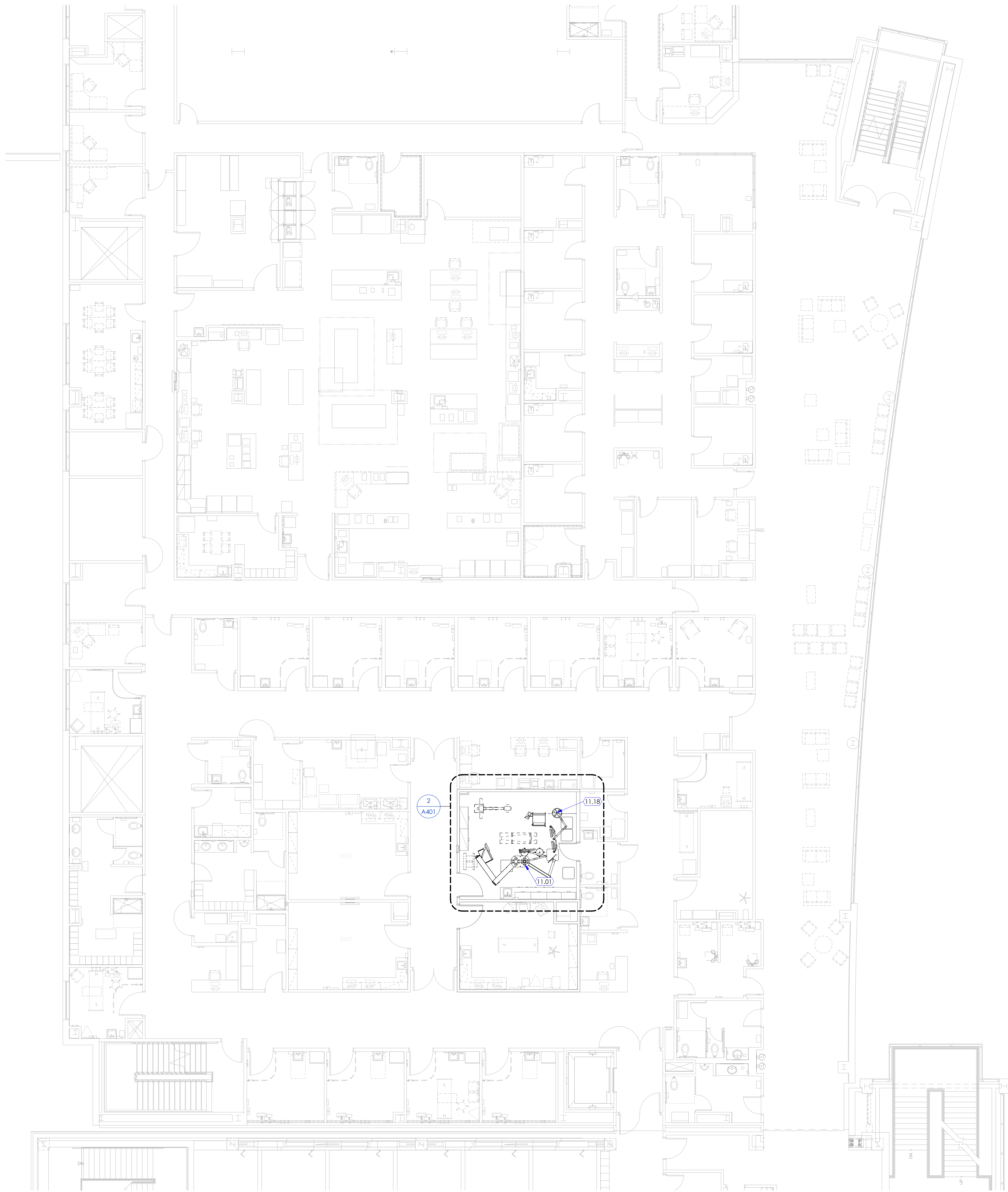
Demolition  
Floor Plan  
Level 2 -  
Overall

**A121**

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**1** Demolition Floor Plan Level 2 - Overall  
SCALE: 1/8" = 1'-0"



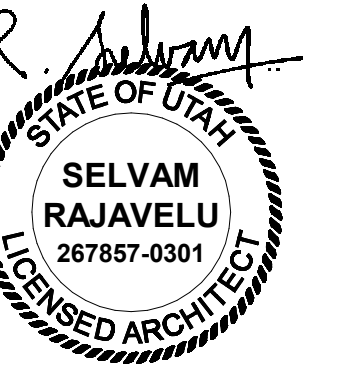


**KEYED NOTES**

- 11.01 NEW GETINGE H15-15 EQUIPMENT ROOM. SEE STRUCTURAL, ELECTRICAL AND EQUIPMENT DRAWINGS FOR MORE INFORMATION. PROVIDE AND INSTALL NEW EQUIPMENT SUPPORT BOOM STRUCTURE ABOVE CEILING.
- 11.18 NEW DUAL MONITOR GETINGE BOOM. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION. RE-USE EXISTING BOOM SUPPORT STRUCTURE ABOVE CEILING IN THIS AREA. FIELD VERIFY EXACT LOCATION AND COORDINATE WITH STRUCTURAL DRAWINGS AND EQUIPMENT VENDOR.



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**GENERAL NOTES**

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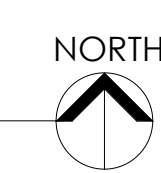
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 Construction Documents Feb 7, 2022

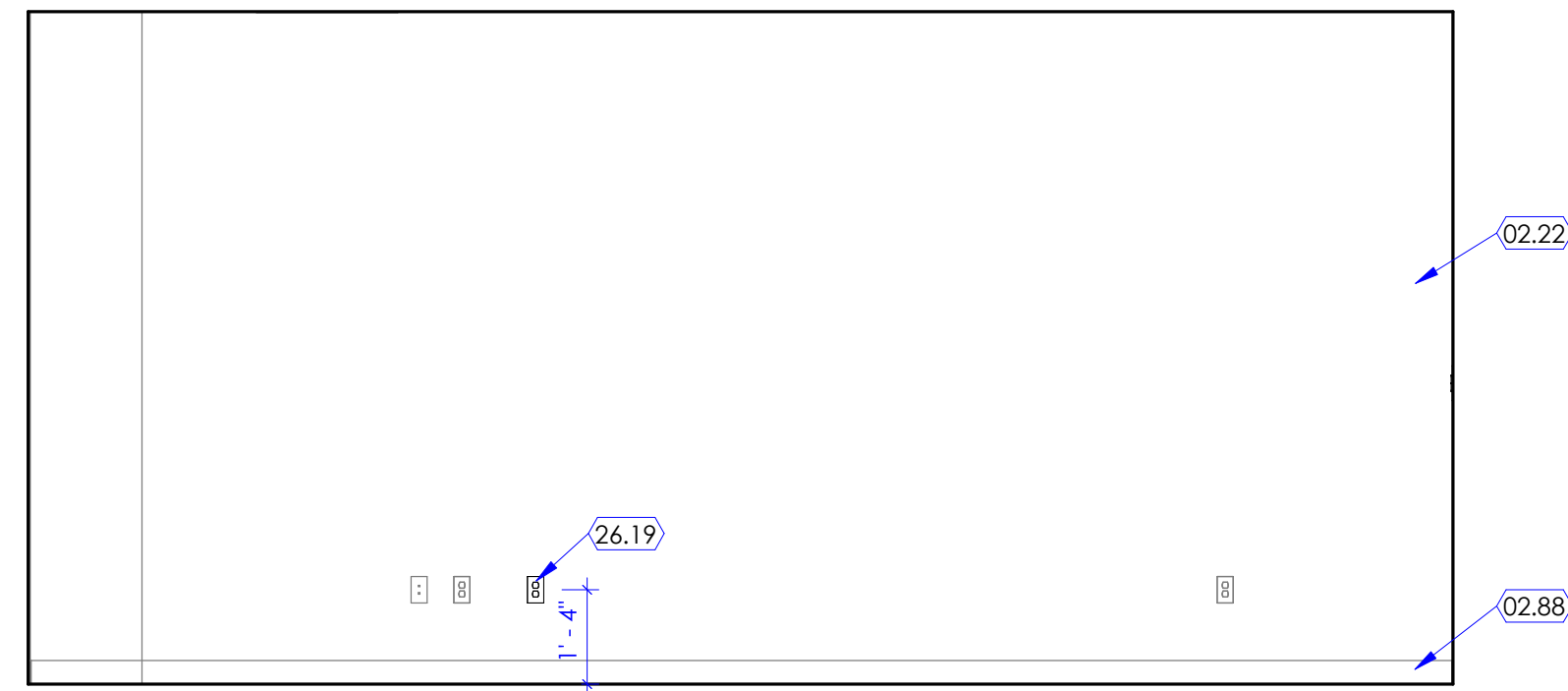
Floor Plan  
 Level 2 -  
 Overall

A123

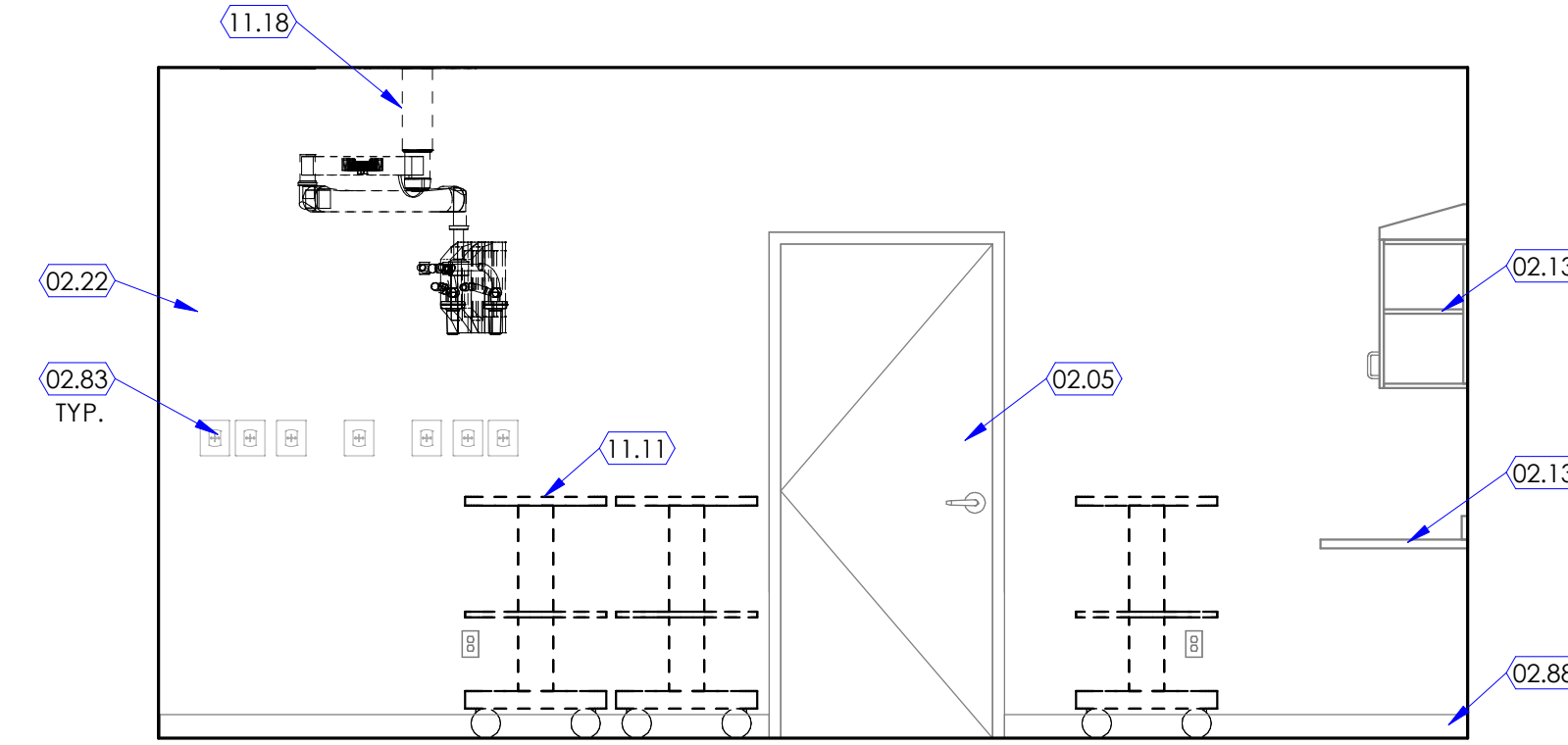
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**1** Floor Plan Level 2 - Overall  
 SCALE: 1/8" = 1'-0"

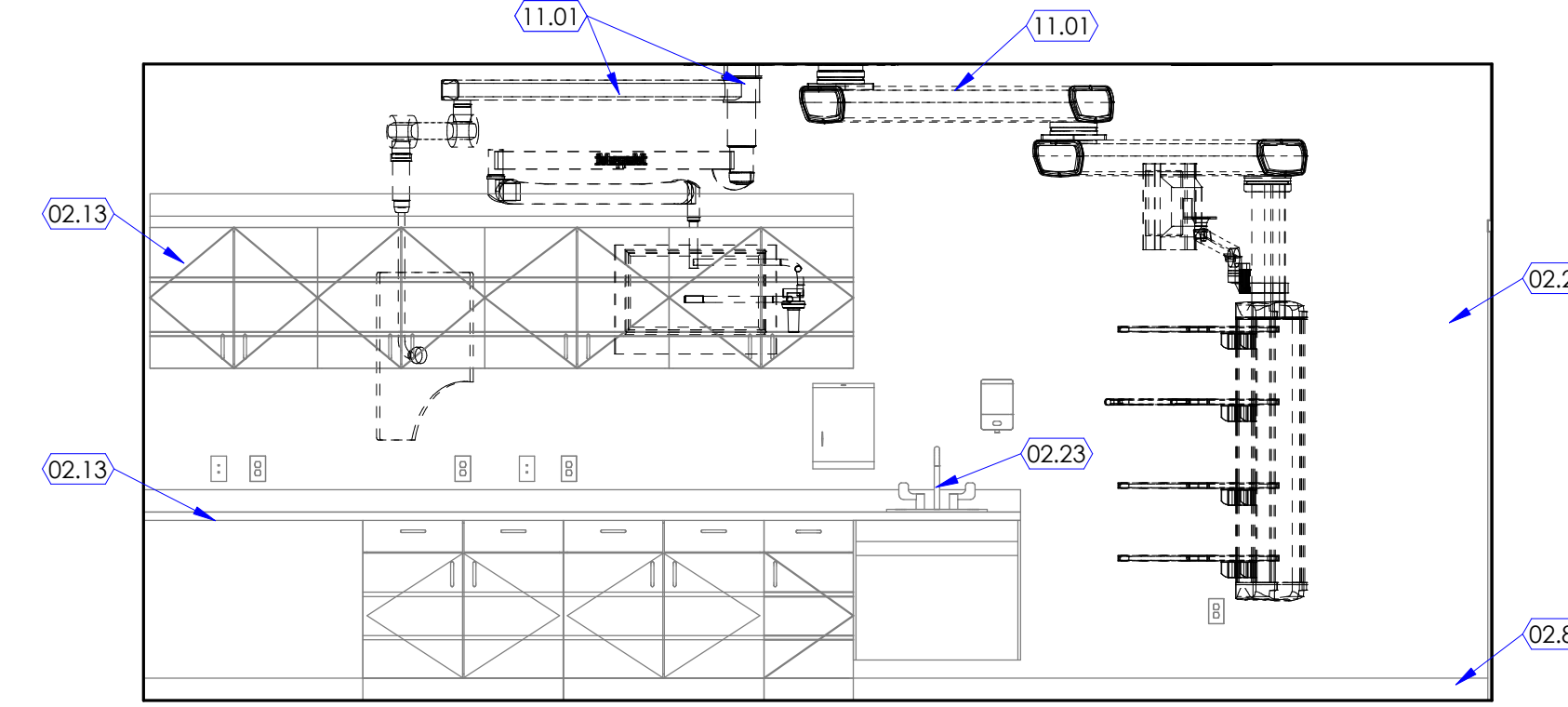




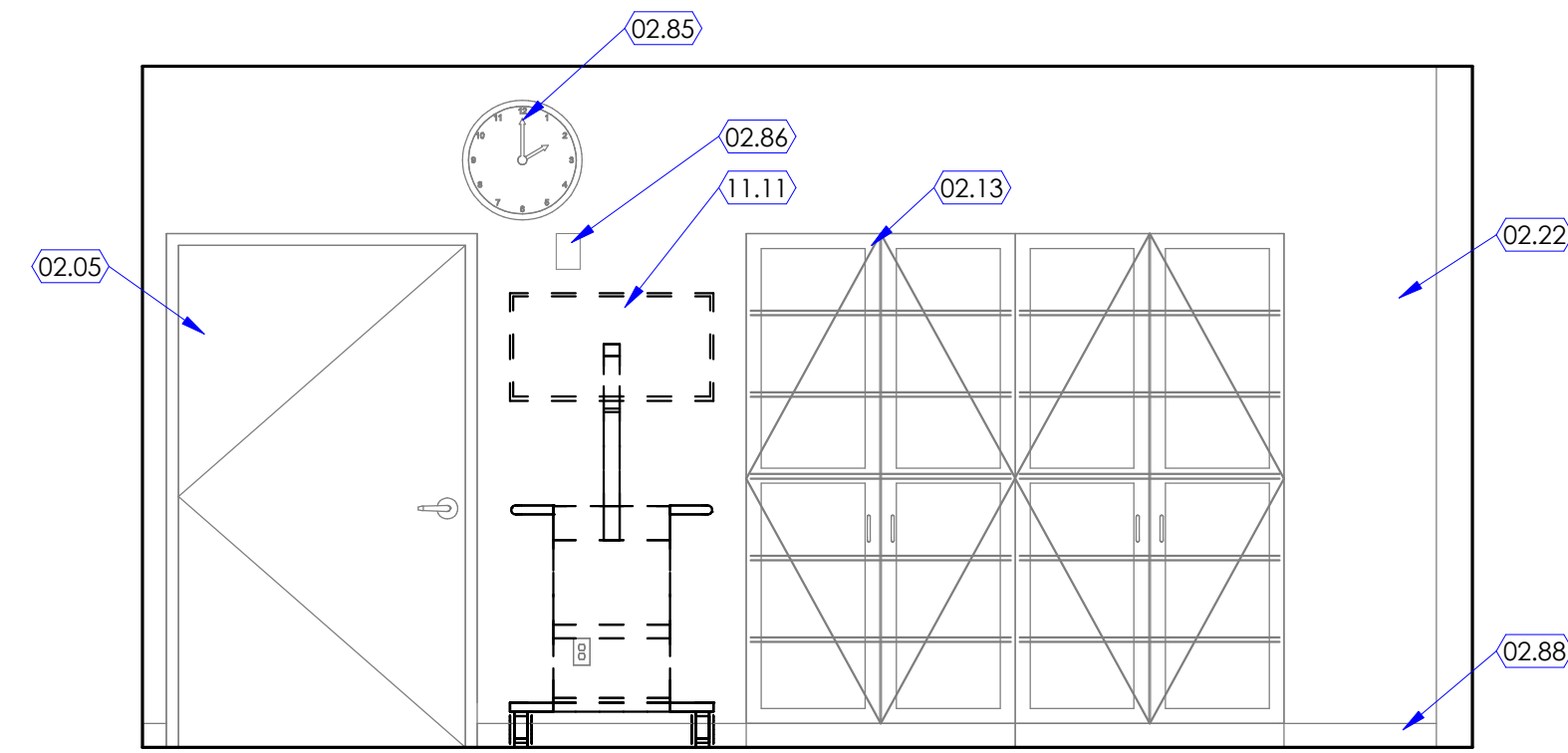
1 Endoscopy Room #4  
SCALE: 3/8" = 1'-0"



2 Endoscopy Room #4  
SCALE: 3/8" = 1'-0"



3 Endoscopy Room #4  
SCALE: 3/8" = 1'-0"



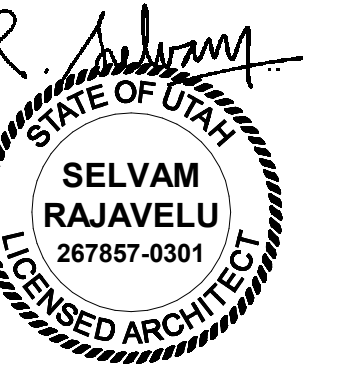
4 Endoscopy Room #4  
SCALE: 3/8" = 1'-0"

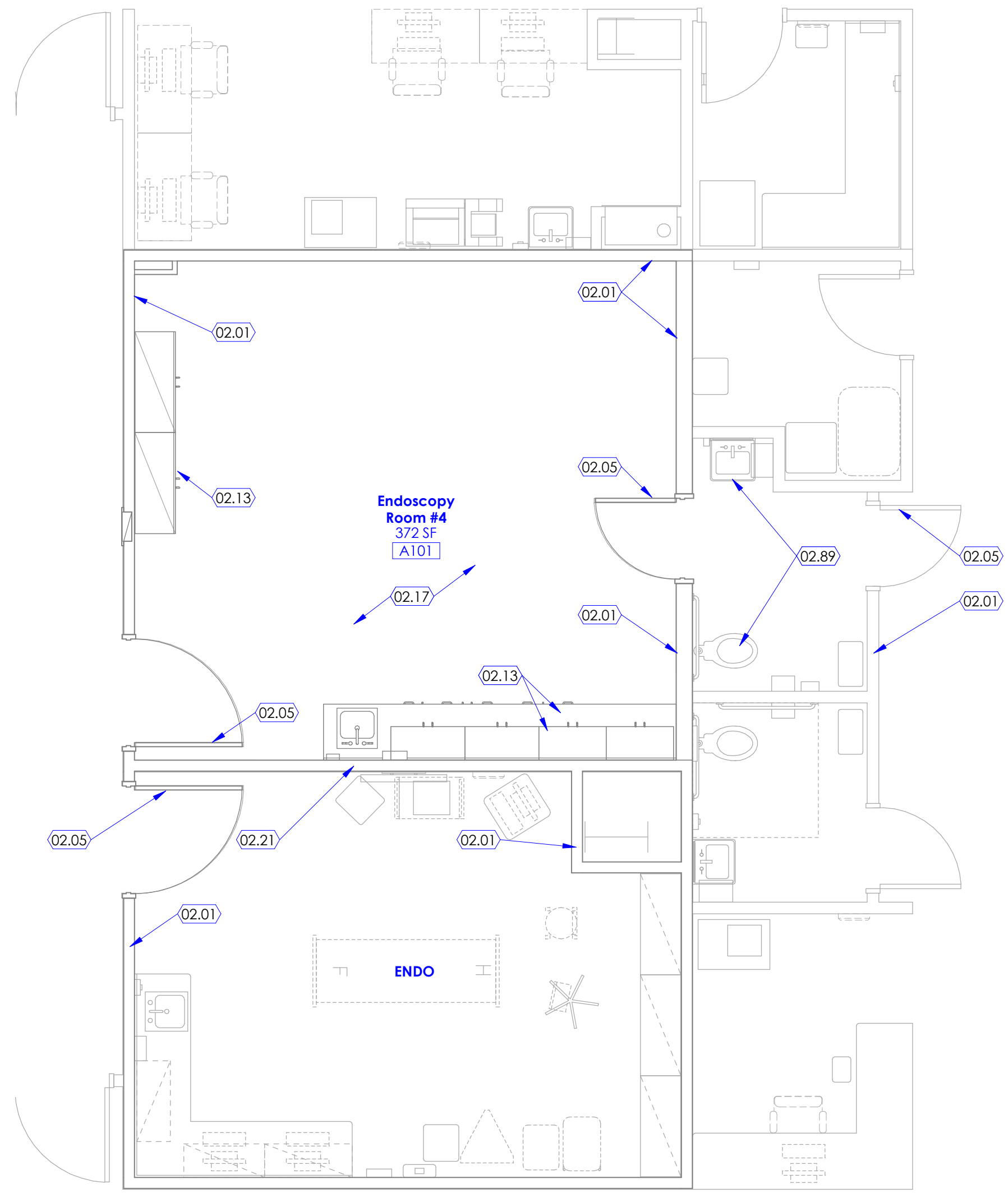
**KEYED NOTES**

- 02.05 DOOR, EXISTING TO REMAIN. PROTECT DOOR FROM DAMAGE DURING CONSTRUCTION.
- 02.13 CABINET (AND COUNTERTOP WHERE OCCURS), EXISTING TO REMAIN. PROTECT CABINET AND COUNTERTOP FROM DAMAGE DURING CONSTRUCTION.
- 02.22 TOUCH UP, PATCH, REPAIR AND PAINT WALL TO MATCH ADJACENT EXISTING ONLY WHERE ANY ELECTRICAL, MECHANICAL OR STRUCTURAL WORK IS PERFORMED AS OUTLINED IN THE CONSTRUCTION DOCUMENTS. REPAINTING OF THE ENTIRE WALL IS NOT REQUIRED.
- 02.23 EXISTING SINK, FAUCET AND ASSOCIATED PLUMBING PIPING ETC. TO REMAIN. PROTECT DURING CONSTRUCTION.
- 02.83 EXISTING MED GAS AND OUTLETS TO REMAIN. PROTECT DURING CONSTRUCTION.
- 02.85 EXISTING WALL CLOCK TO REMAIN.
- 02.86 EXISTING HORN STROBE TO REMAIN. PROTECT DURING CONSTRUCTION.
- 02.88 EXISTING WALL BASE. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- 11.01 NEW GETINGE H15-15 EQUIPMENT BOOM. SEE STRUCTURAL, ELECTRICAL AND EQUIPMENT DRAWINGS FOR MORE INFORMATION. PROVIDE AND INSTALL NEW EQUIPMENT SUPPORT BOOM STRUCTURE ABOVE CEILING.
- 11.11 EQUIPMENT, NOT IN CONTRACT. OWNER FURNISHED OWNER INSTALLED.
- 11.18 NEW DUAL MONITOR GETINGE BOOM. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION. RE-USE EXISTING BOOM SUPPORT STRUCTURE ABOVE CEILING IN THIS AREA. FIELD VERIFY EXACT LOCATION AND COORDINATE WITH STRUCTURAL DRAWINGS AND EQUIPMENT VENDOR.
- 26.19 NEW POWER OUTLET. SEE ELECTRICAL DRAWINGS.

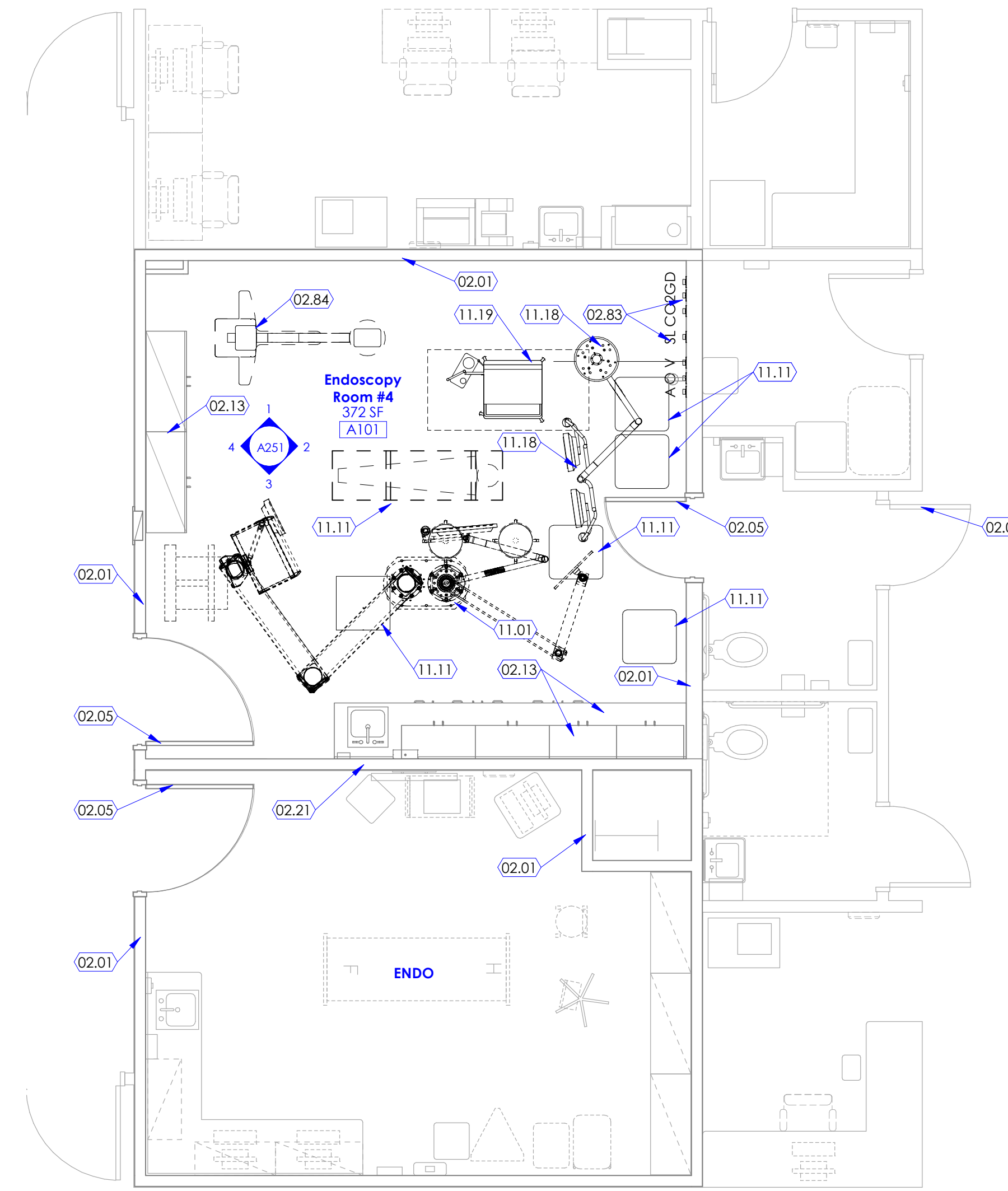
**GENERAL NOTES**

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.

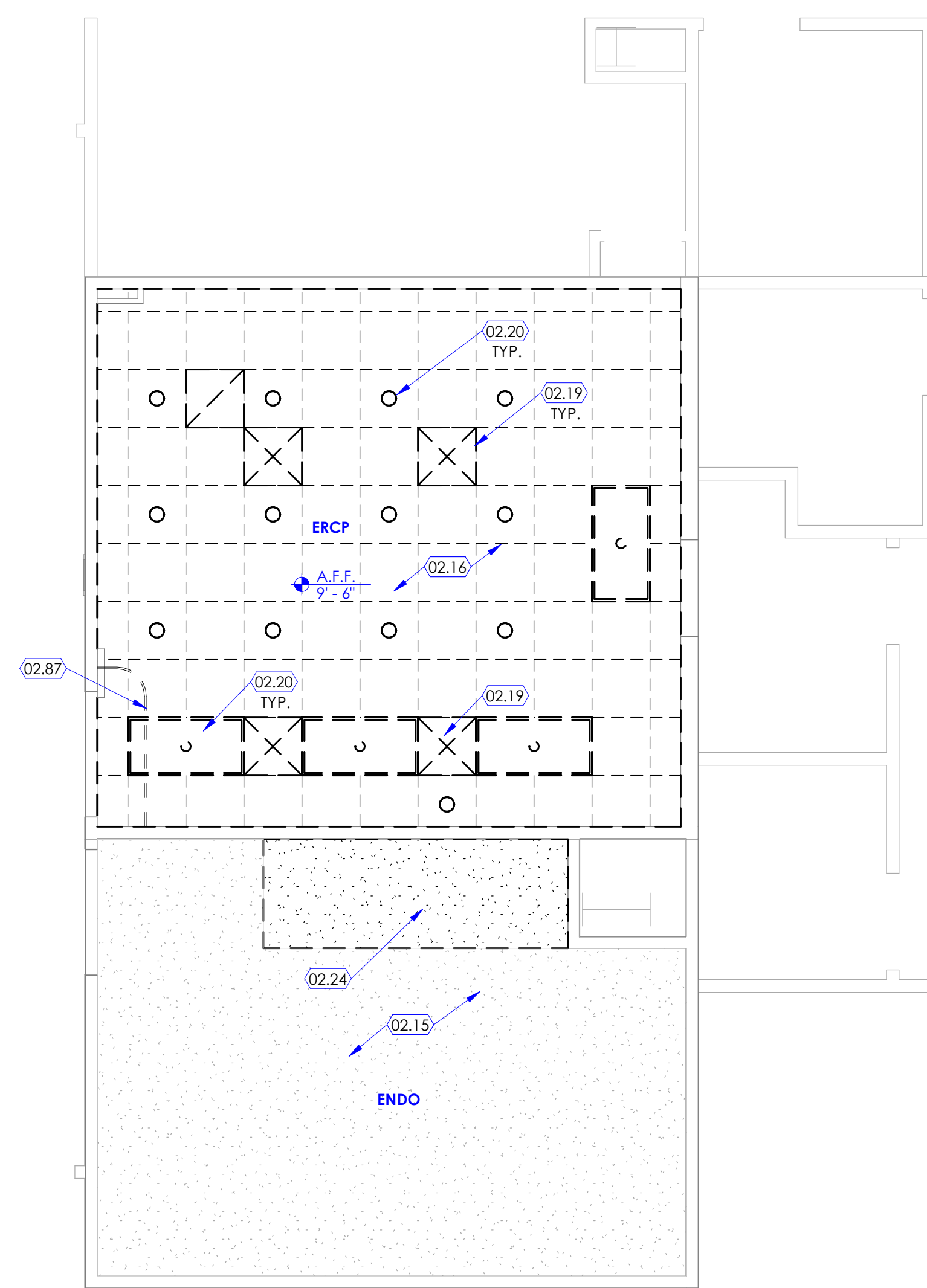




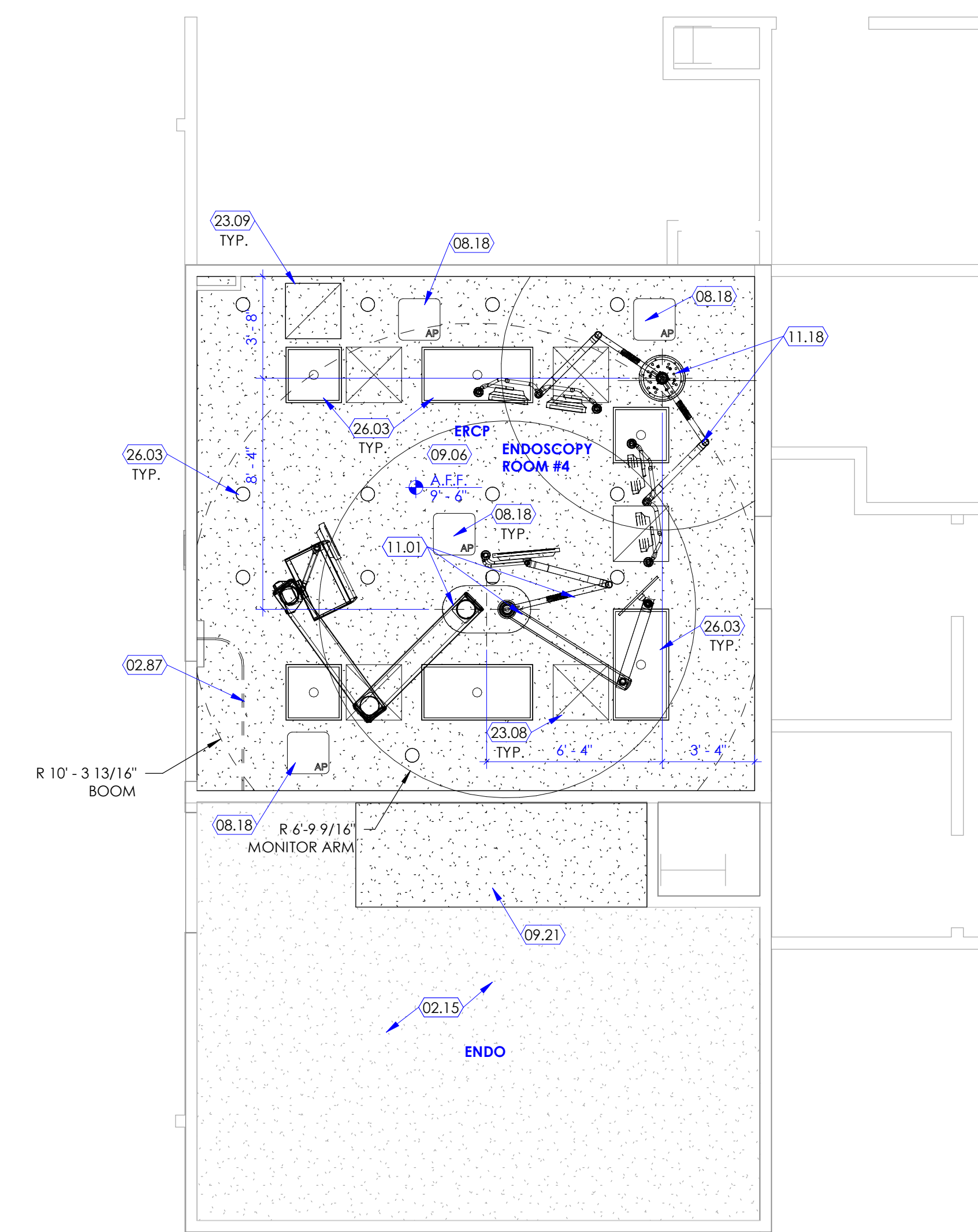
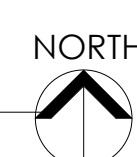
1 Enlarged - Demolition Floor Plan Level 2  
SCALE: 1/4" = 1'-0"



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



3 Enlarged - Reflected Ceiling Demolition Plan Level 2  
SCALE: 1/4" = 1'-0"



4 Enlarged - Reflected Ceiling Plan Level 2  
SCALE: 1/4" = 1'-0"



**KEYED NOTES**

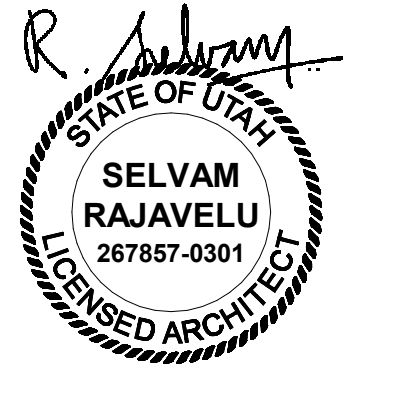
- 02.01 WALL, EXISTING TO REMAIN. PROTECT WALL FROM DAMAGE DURING CONSTRUCTION. PATCH, REPAIR AND REPAINT WALL TO ORIGINAL CONDITION WHERE REQUIRED TO COMPLETE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS. EXISTING WALLS HAVE LEAD LINED GYPSUM BOARD FOR FUTURE IMAGING EQUIPMENT INSTALLATION IN THIS ROOM. CONTRACTOR IS REQUIRED TO MAINTAIN EXISTING LEAD SHIELDING FOR ANY PATCH AND REPAIR WORK THAT WOULD BE PERFORMED.
- 02.05 DOOR, EXISTING TO REMAIN. PROTECT DOOR FROM DAMAGE DURING CONSTRUCTION.
- 02.13 CABINET (AND COUNTERTOP WHERE OCCURS), EXISTING TO REMAIN. PROTECT CABINET AND COUNTERTOP FROM DAMAGE DURING CONSTRUCTION.
- 02.15 CEILING, EXISTING TO REMAIN. PROTECT CEILING FROM DAMAGE DURING CONSTRUCTION.
- 02.16 CEILING TILES, GRIDS, LIGHTS, DIFFUSERS ETC., EXISTING INDICATED WITH DASHED LINES IN THIS AREA TO BE REMOVED. SEE ELECTRICAL AND MECHANICAL DRAWINGS WHERE LIGHTS AND/OR DIFFUSERS ARE RE-INSTALLED.
- 02.17 FLOOR COVERING, EXISTING TO REMAIN. PROTECT FLOOR COVERING FROM DAMAGE DURING CONSTRUCTION.
- 02.19 EXISTING CEILING DIFFUSER TO BE REMOVED. COORDINATE WITH MECHANICAL DRAWINGS IF ANY DIFFUSERS ARE RE-INSTALLED.
- 02.20 EXISTING LIGHT FIXTURE TO BE REMOVED. COORDINATE WITH ELECTRICAL DRAWINGS IF ANY LIGHTS ARE RE-INSTALLED.
- 02.21 EXISTING ONE HOUR FIRE RATED WALL TO REMAIN. PARTIALLY REMOVE TOP PORTION OF THE WALL TO INSTALL NEW STRUCTURAL BEAMS AS SHOWN IN THE STRUCTURAL DRAWINGS. PATCH, REPAIR, FINISH AND FIRE CAULK AROUND THE STRUCTURE AFTER ALL WORK IS COMPLETED.
- 02.24 REMOVE PORTION OF GYPSUM BOARD CEILING, LIGHTS, DIFFUSERS ETC., HERE IN ORDER TO INSTALL NEW STEEL BEAMS TO SUPPORT NEW GETINGE BOOM. FIELD VERIFY AND SEE STRUCTURAL DRAWINGS FOR EXTENT OF CEILING REMOVAL AND MORE INFORMATION.
- 02.83 EXISTING MED GAS AND OUTLETS TO REMAIN. PROTECT DURING CONSTRUCTION.
- 02.84 MOBILE C-ARM EQUIPMENT, OWNER FURNISHED AND INSTALLED.
- 02.87 REMOVE AND REINSTALL EXISTING PRIVACY CURTAIN AND TRACK AT THIS LOCATION.
- 02.89 TEMPORARILY USE THIS AREA AS ANTE ROOM FOR DUST CONTROL. EXISTING BATHROOM TO BE DECOMMISSIONED BY COVERING ALL PLUMBING FIXTURES (SINK, WC, ETC.) UNTIL CONSTRUCTION WORK IS COMPLETED.
- 08.18 ACCESS DOOR, PROVIDE GFRG CEILING MOUNTED ACCESS DOOR 18" X 18" AT GYPSUM BOARD CEILING. FINISH AND PAINT TO MATCH ADJACENT NEW CEILING. COORDINATE EXACT LOCATION WITH BOOM EQUIPMENT MANUFACTURER AND ALSO BASED ON ACCESS REQUIRED TO SERVICE MECHANICAL UNITS AND VALVES IN THE CEILING SPACE.
- 09.06 NEW PAINTED GYPSUM BOARD CEILING. SEE CEILING DETAILS ON SHEET A503A. CEILING PAINT COLOR AND FINISH TO MATCH ADJACENT ROOM. CEILING COLOR, FIELD VERIFY.
- 09.21 PATCH, REPAIR AND PAINT GYPSUM BOARD CEILING HERE TO MATCH EXISTING AFTER ABOVE CEILING STRUCTURAL WORK IS COMPLETED. REINSTALL ANY CEILING LIGHTS AND DIFFUSERS REMOVED FROM THIS AREA TO ORIGINAL CONDITION. SEE CEILING DETAILS ON SHEET A503A. CEILING PAINT COLOR AND FINISH TO MATCH ADJACENT EXISTING. FIELD VERIFY.
- 11.01 NEW GETINGE H15-15 EQUIPMENT BOOM. SEE STRUCTURAL, ELECTRICAL AND EQUIPMENT DRAWINGS FOR MORE INFORMATION. PROVIDE AND INSTALL NEW EQUIPMENT SUPPORT BOOM STRUCTURE ABOVE CEILING.
- 11.11 EQUIPMENT, NOT IN CONTRACT, OWNER FURNISHED OWNER INSTALLED.
- 11.18 NEW DUAL MONITOR GETINGE BOOM. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR MORE INFORMATION. RE-USE EXISTING BOOM SUPPORT STRUCTURE ABOVE CEILING IN THIS AREA. FIELD VERIFY EXACT LOCATION AND COORDINATE WITH STRUCTURAL DRAWINGS AND EQUIPMENT VENDOR.
- 11.19 ANESTHESIA CART, NOT IN CONTRACT, OWNER FURNISHED, OWNER INSTALLED.
- 23.08 SUPPLY DIFFUSER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. COORDINATE DIFFUSER COLOR TO MATCH WITH ADJACENT EXISTING HOSPITAL STANDARD. FIELD VERIFY.
- 23.09 AIR RETURN. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. COORDINATE COLOR TO MATCH WITH ADJACENT EXISTING HOSPITAL STANDARD. FIELD VERIFY.
- 26.03 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

**GENERAL NOTES**

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.



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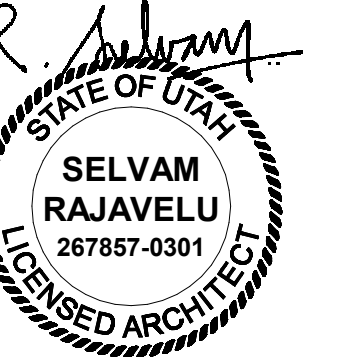
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Construction Documents Feb 7, 2022

Enlarged Views

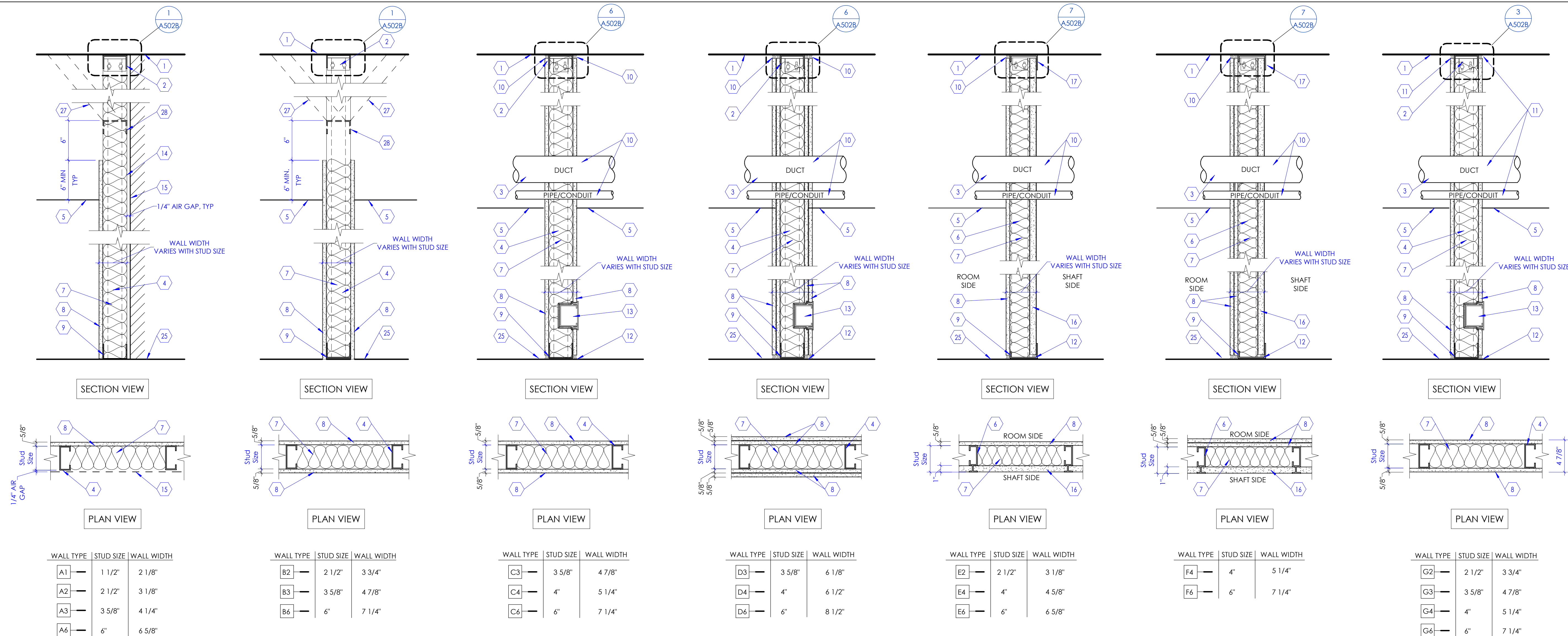
A401

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**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. 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, 1/2" 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

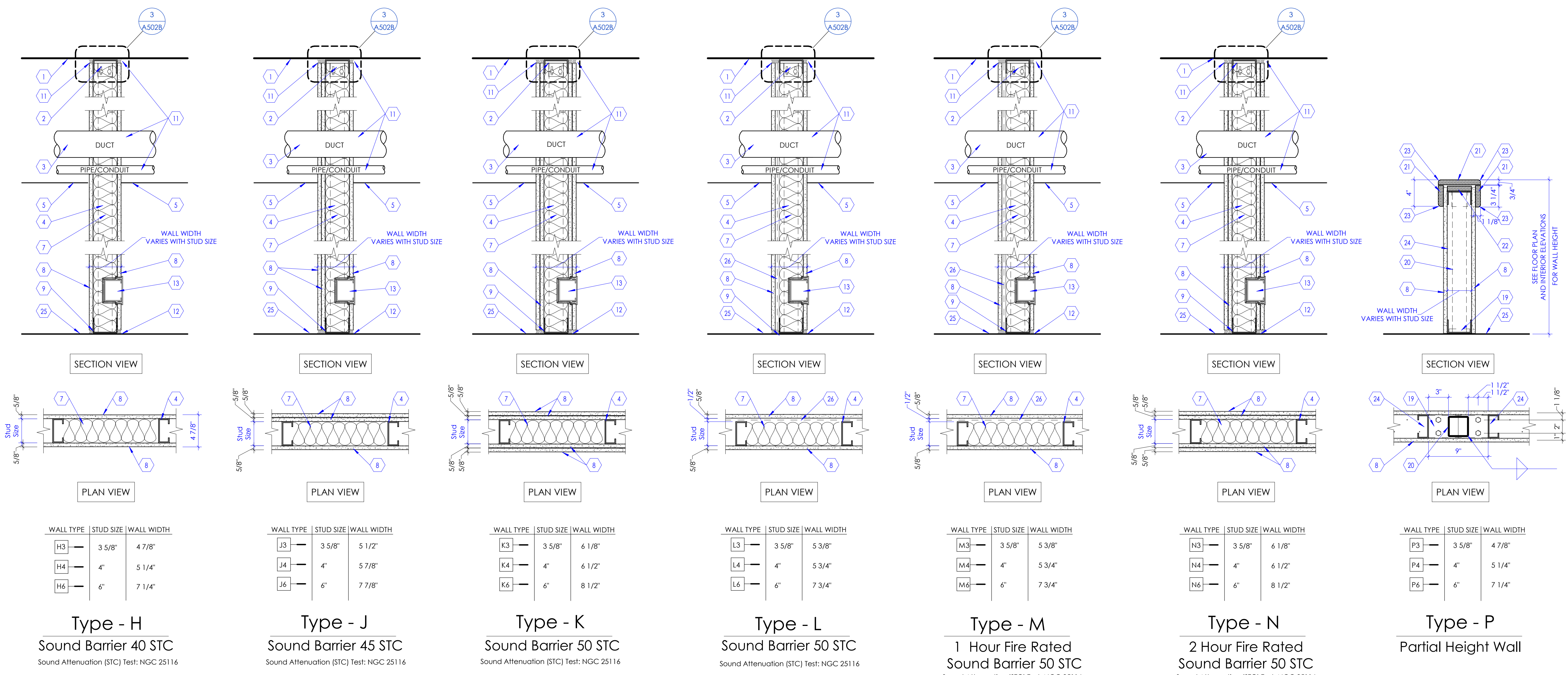
**Type - C**  
1 Hour Fire Rated  
UL DESIGN #: U465

**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

**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

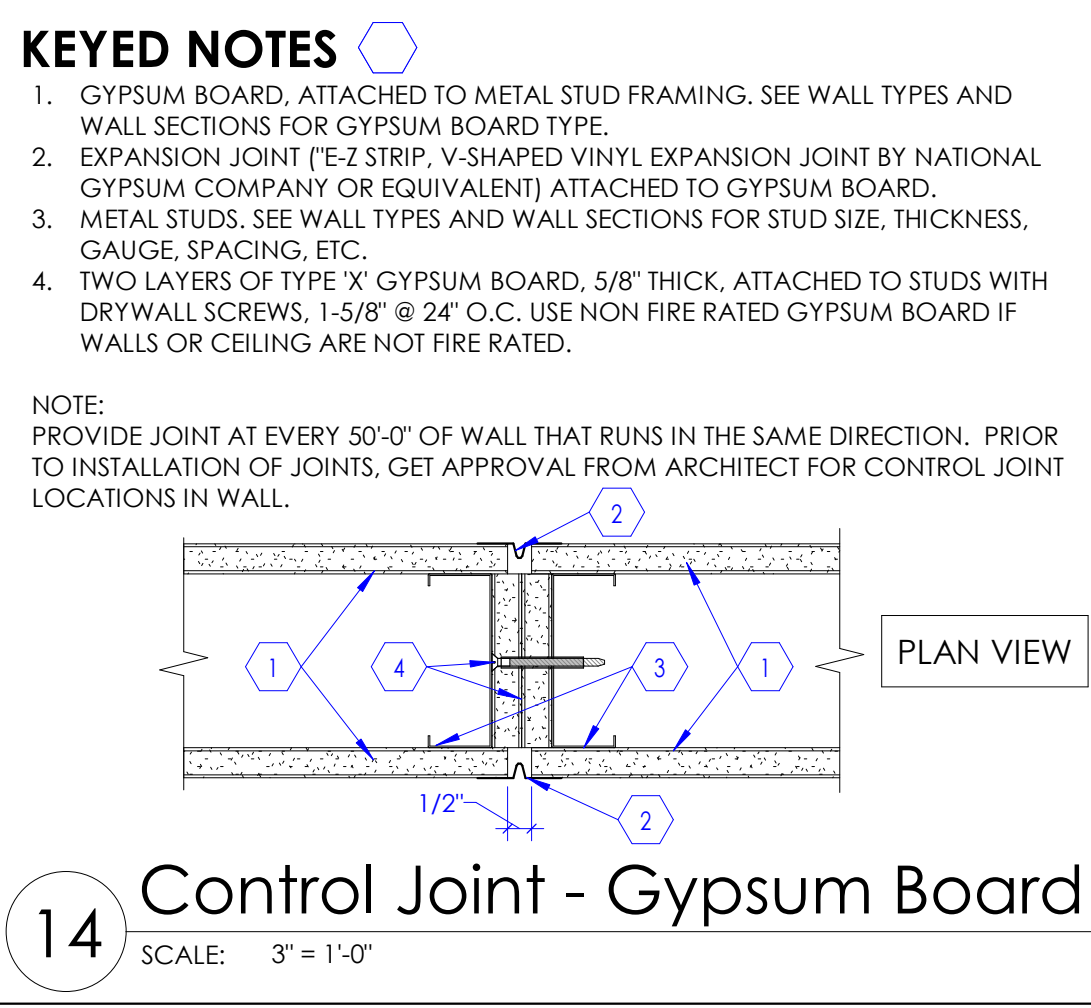
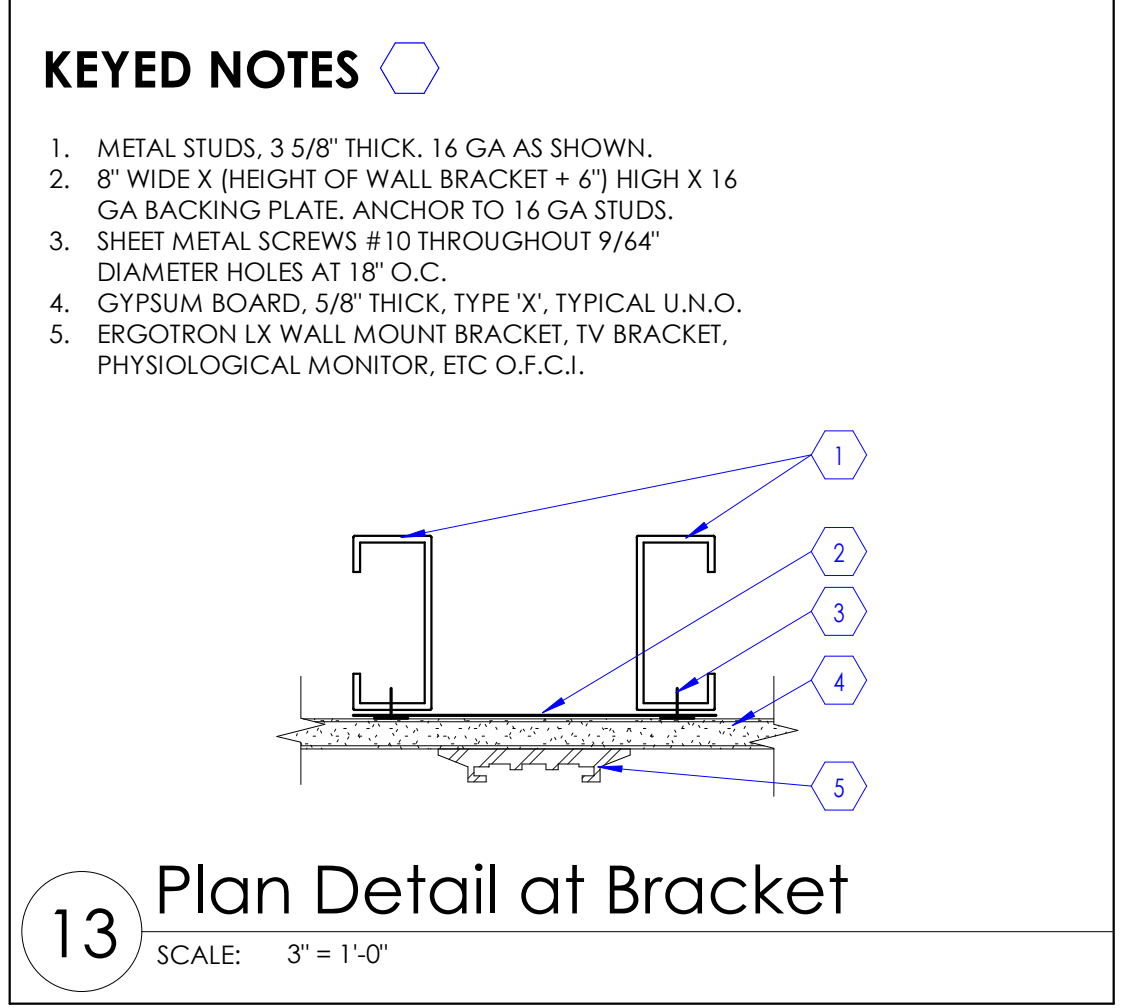
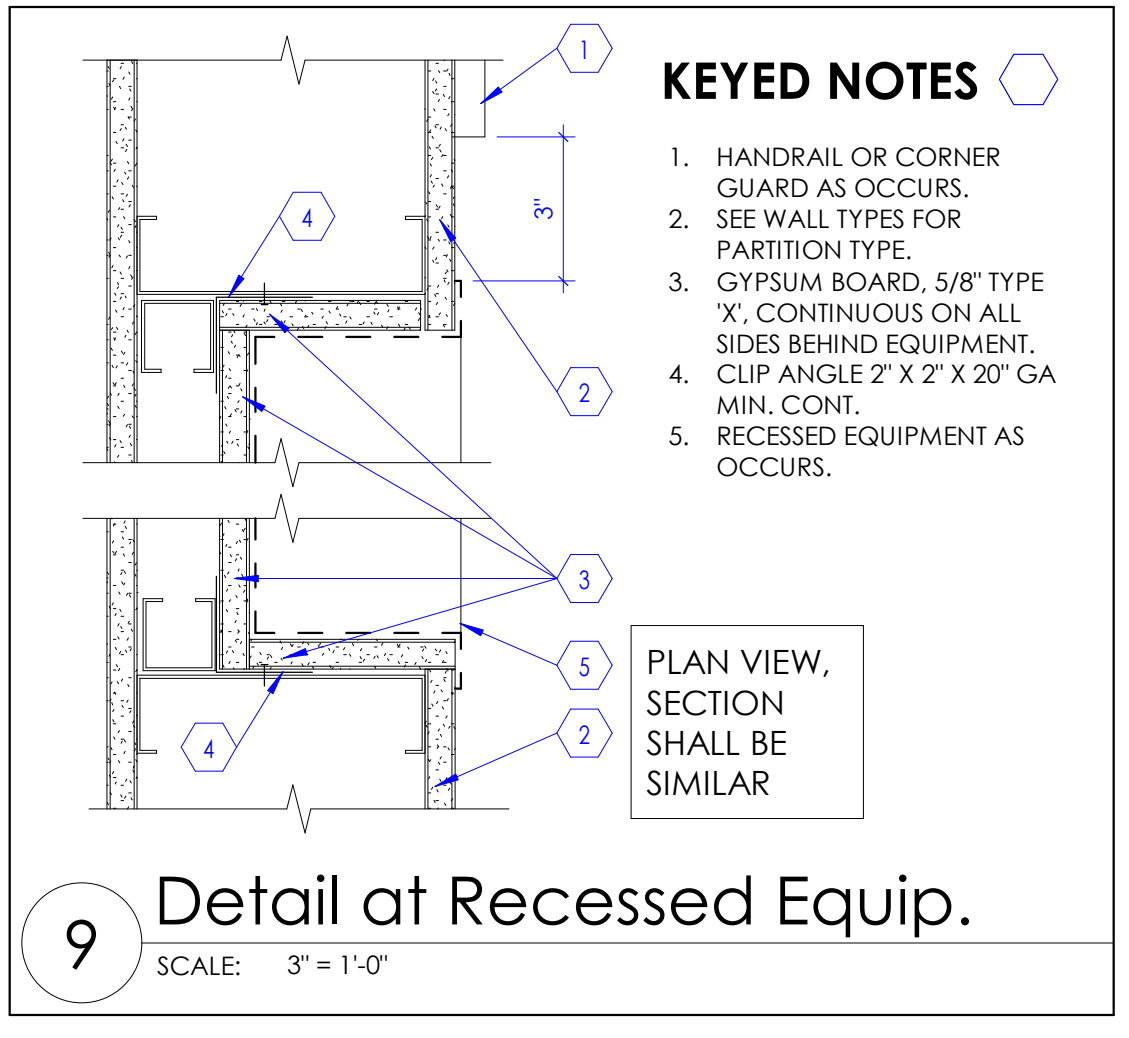
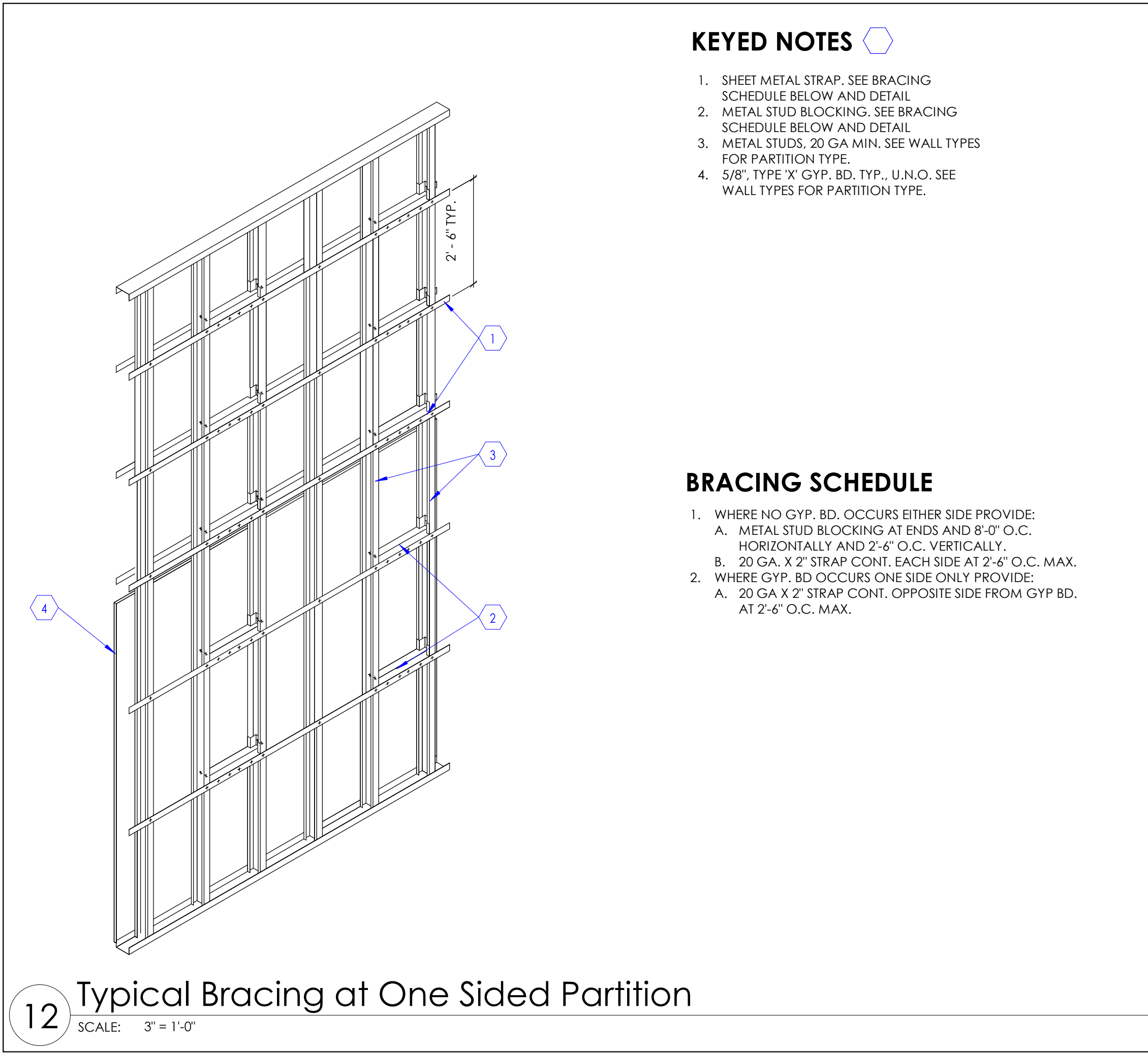
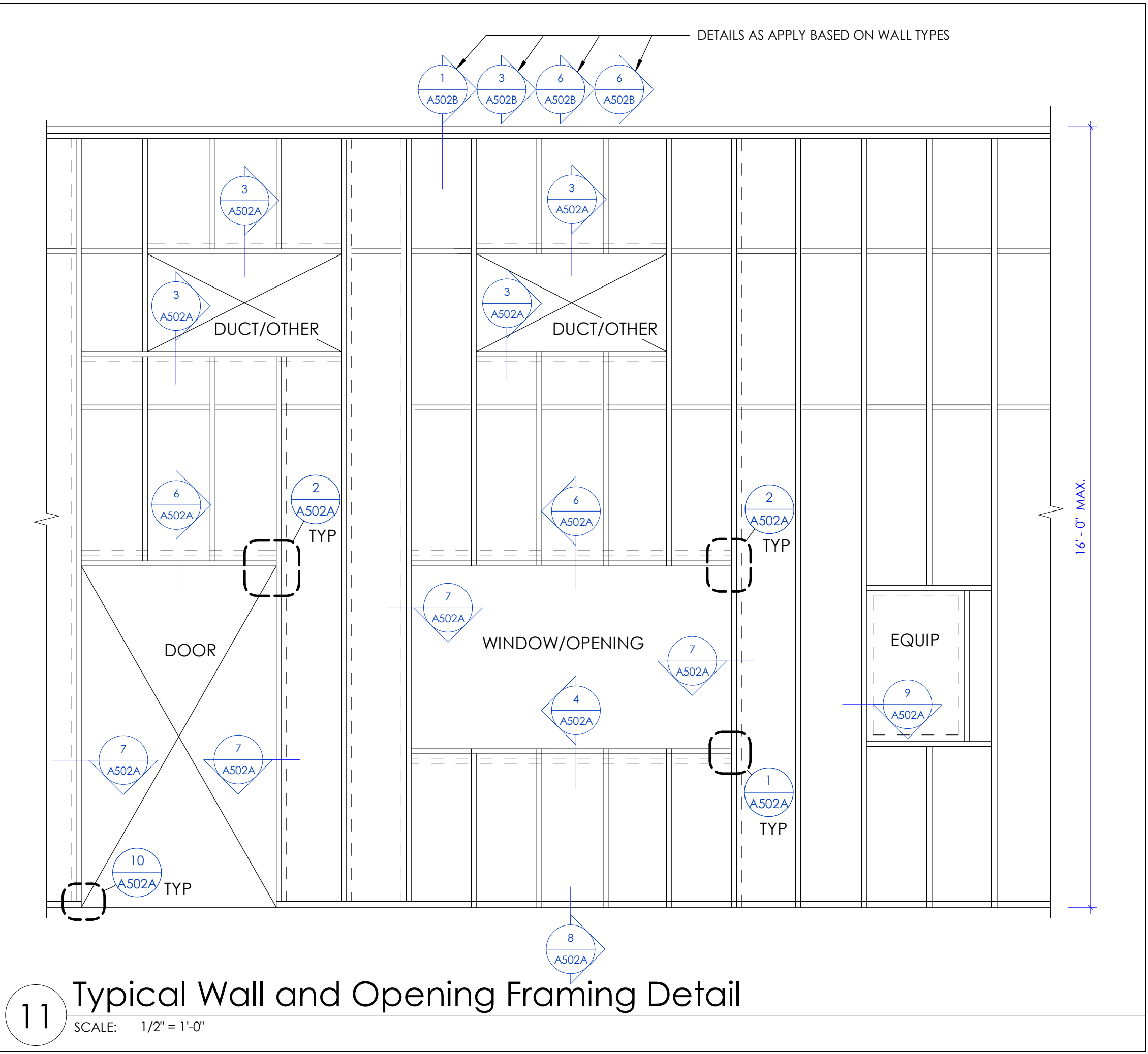
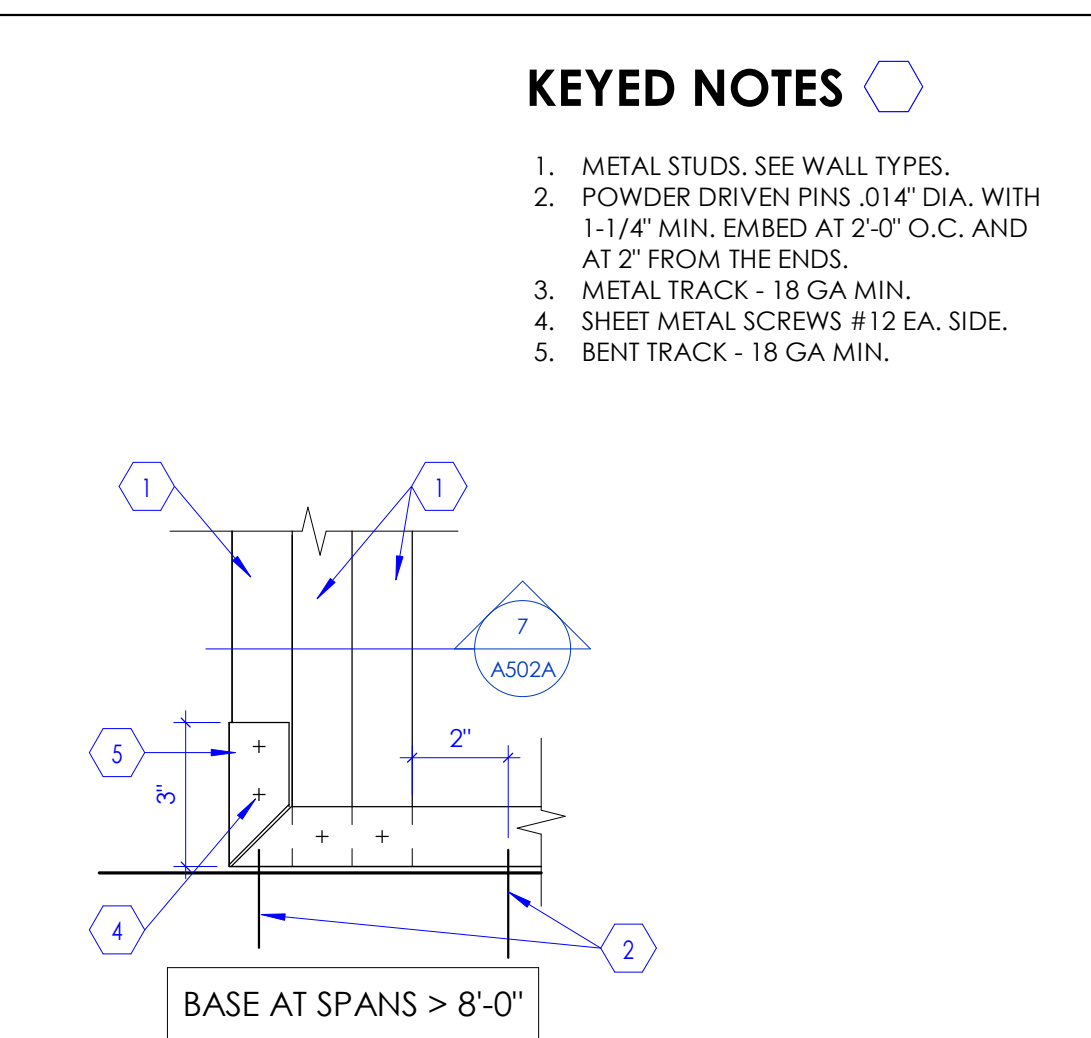
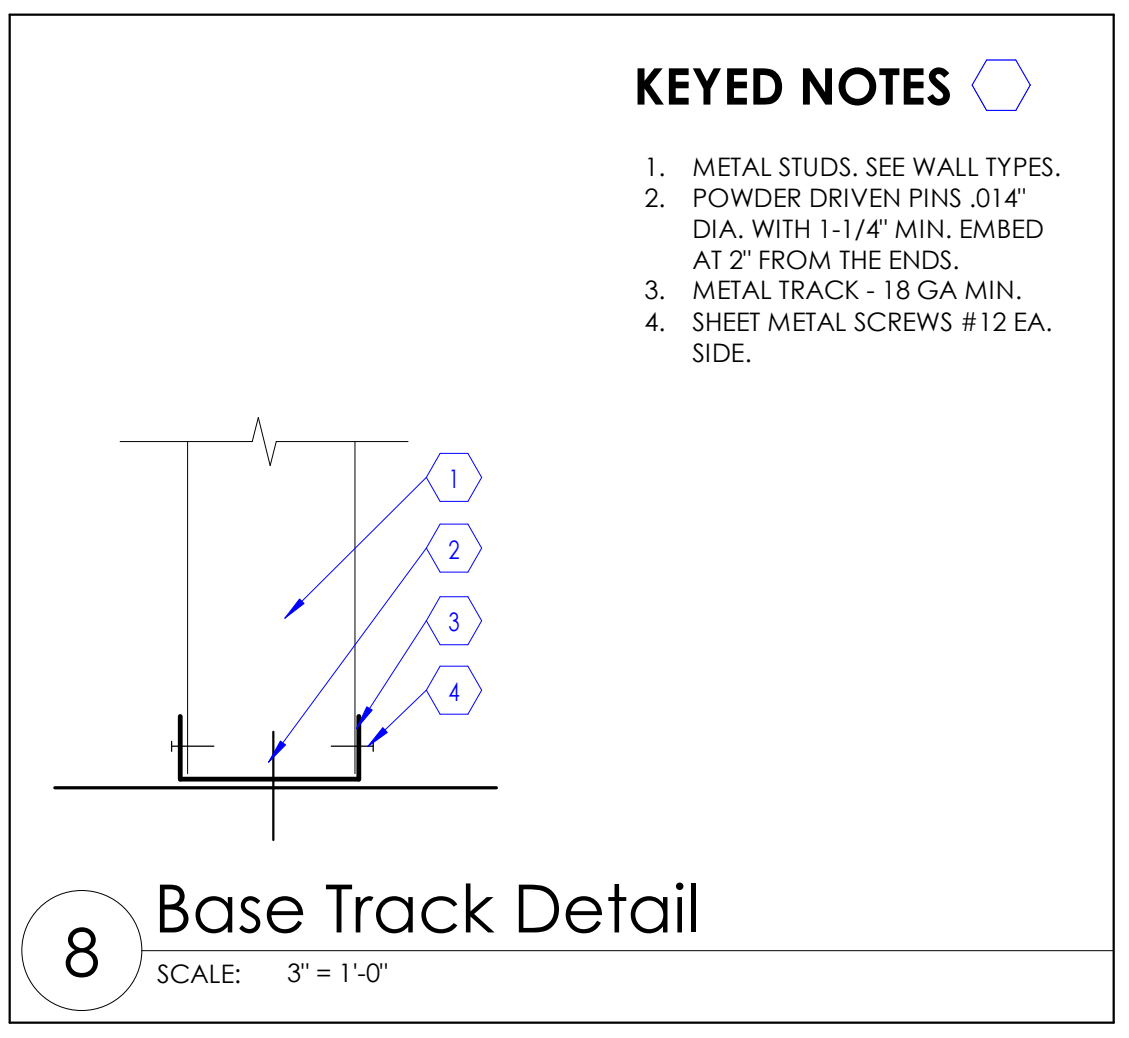
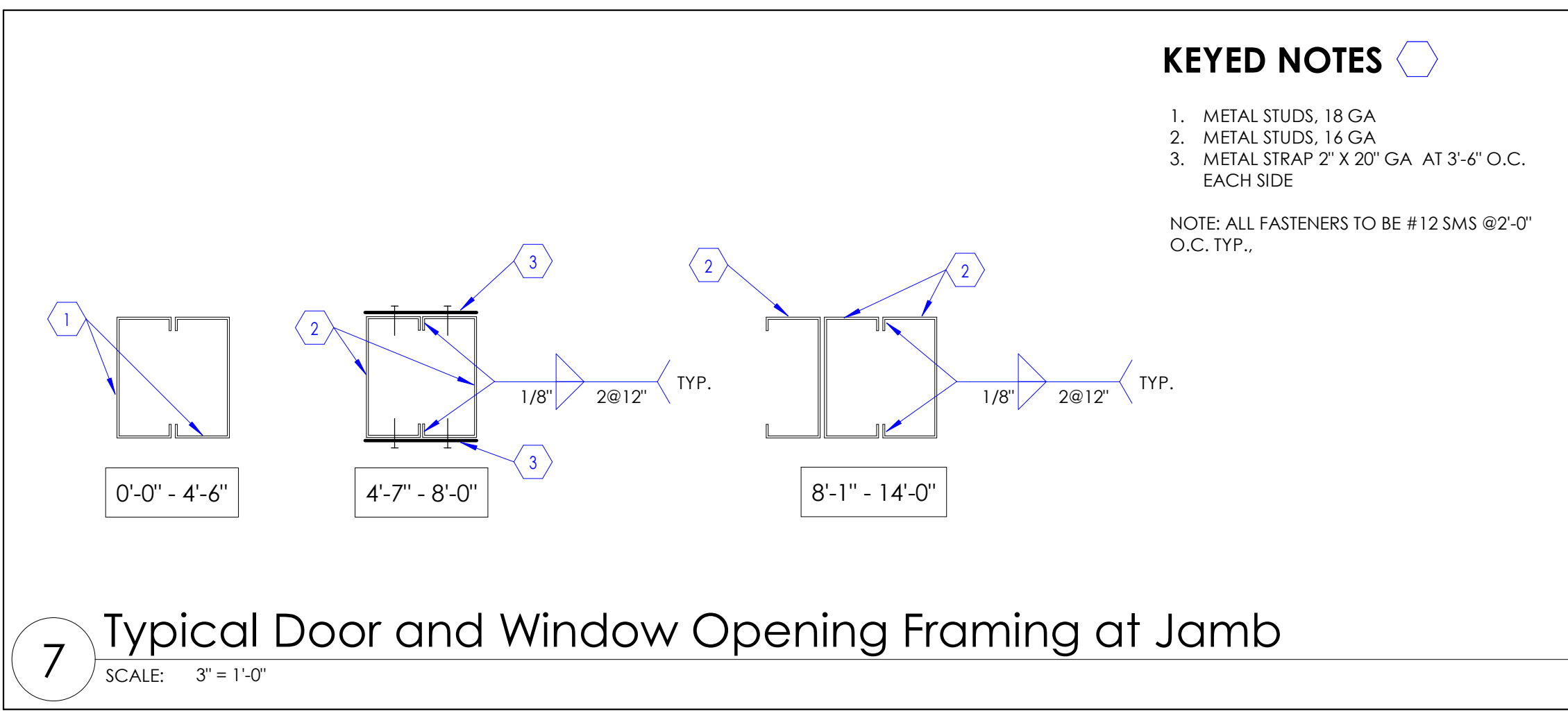
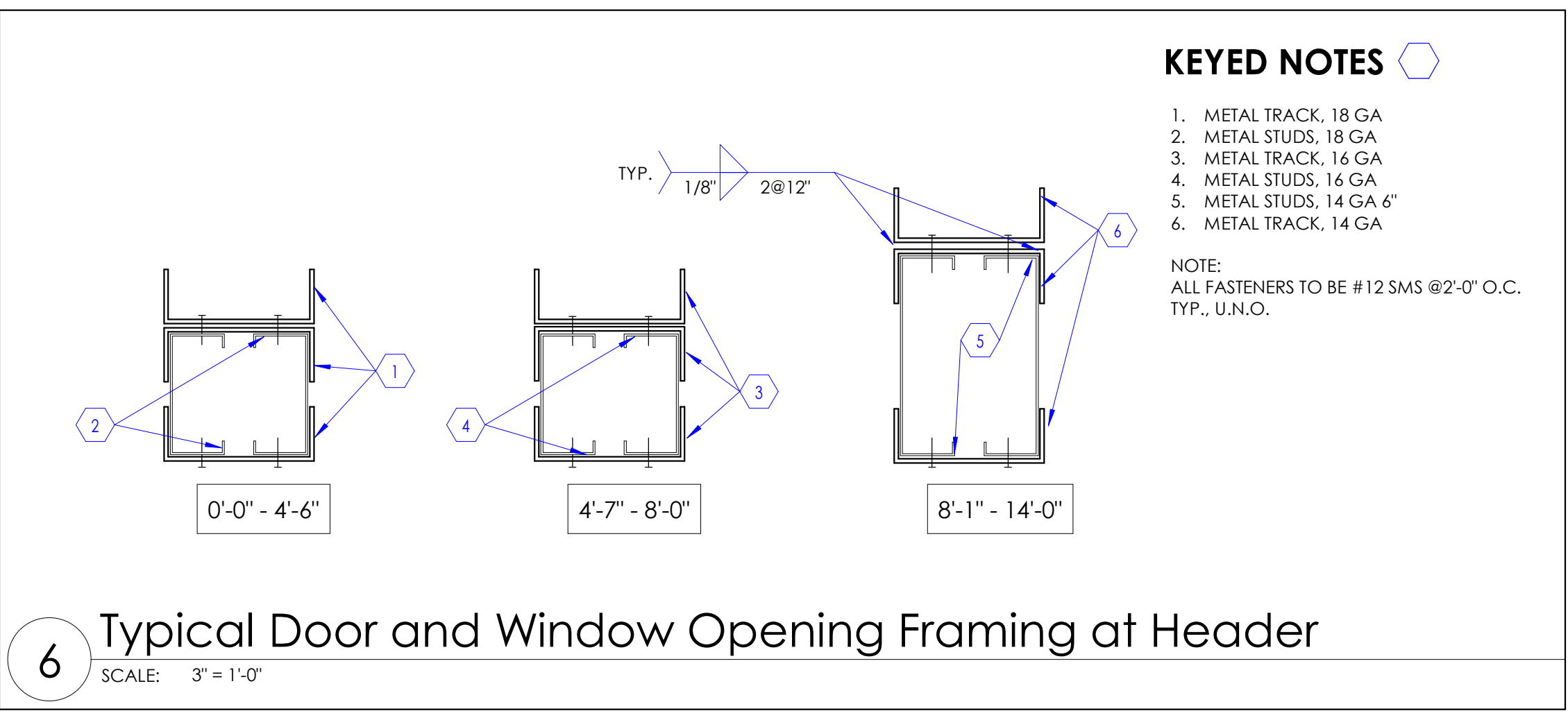
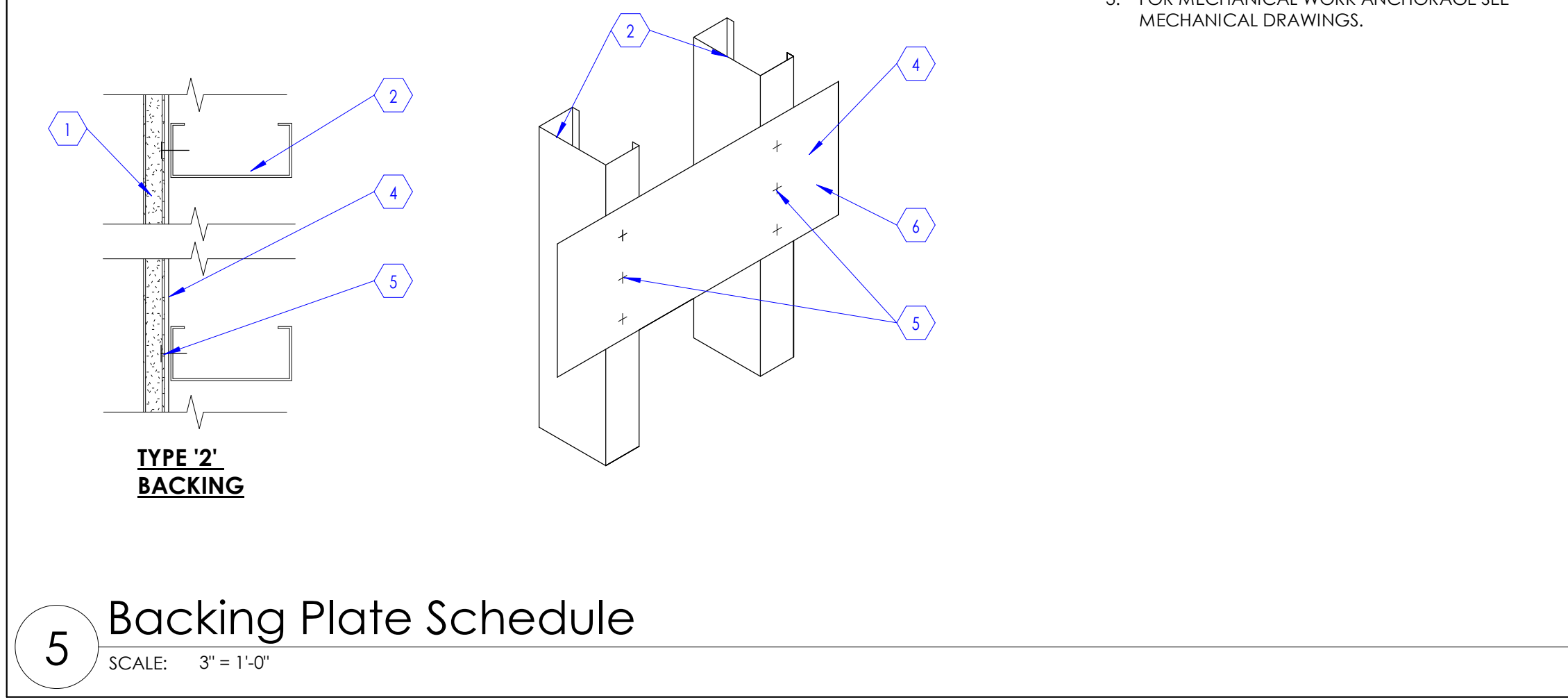
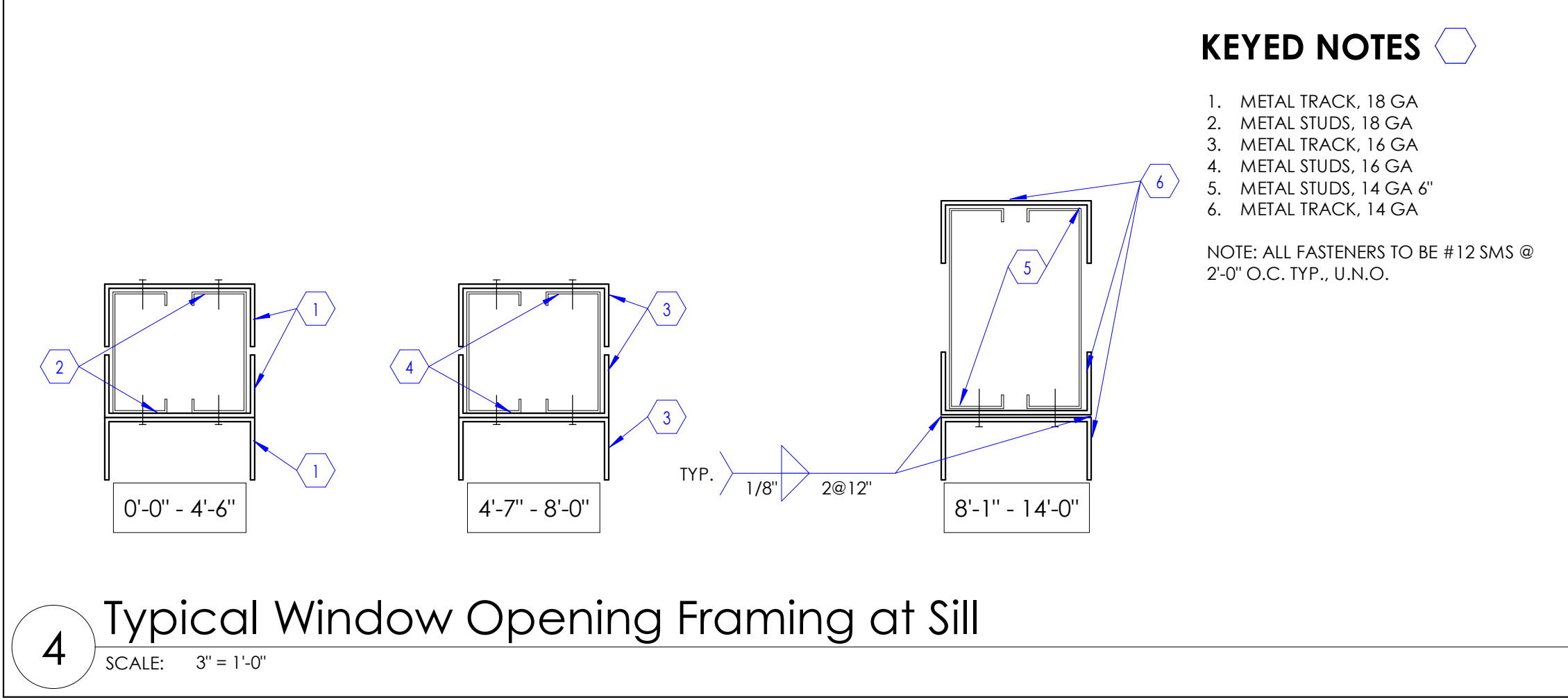
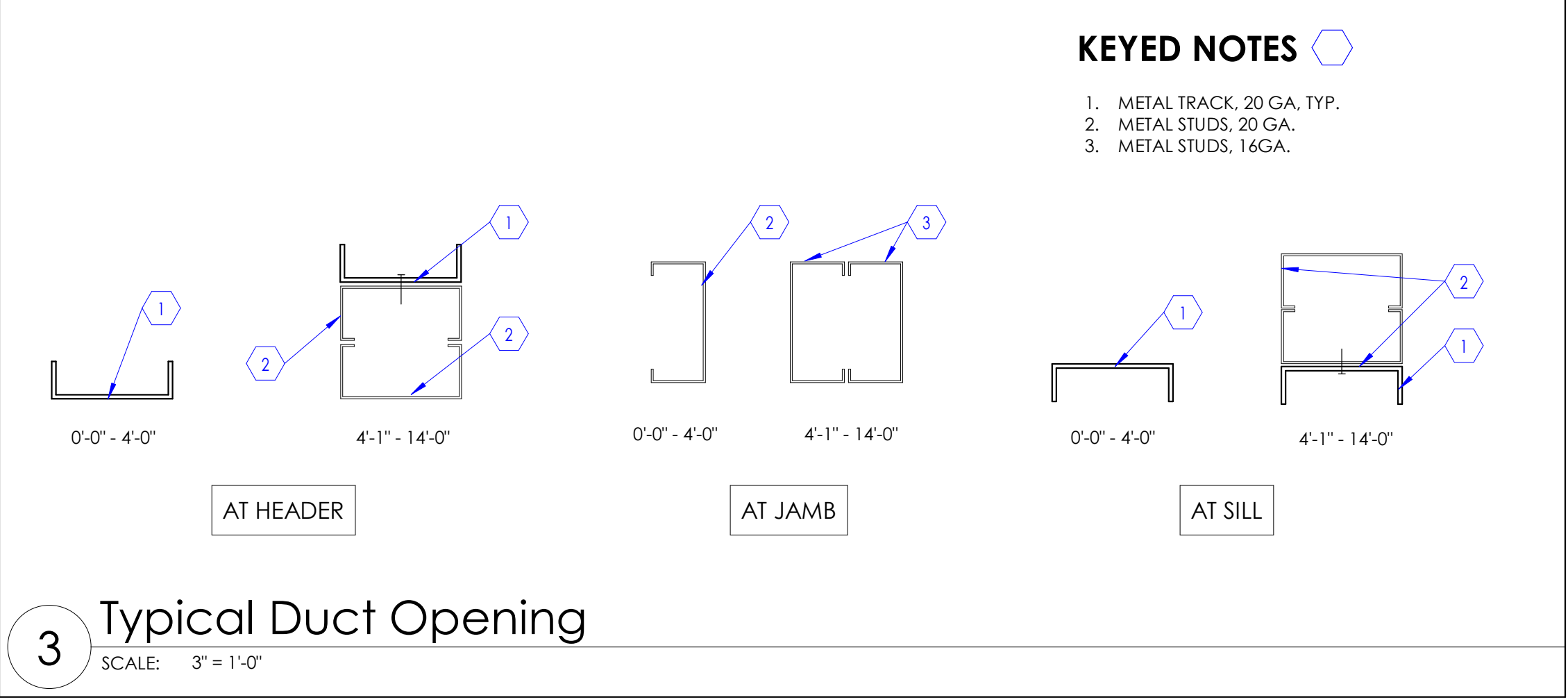
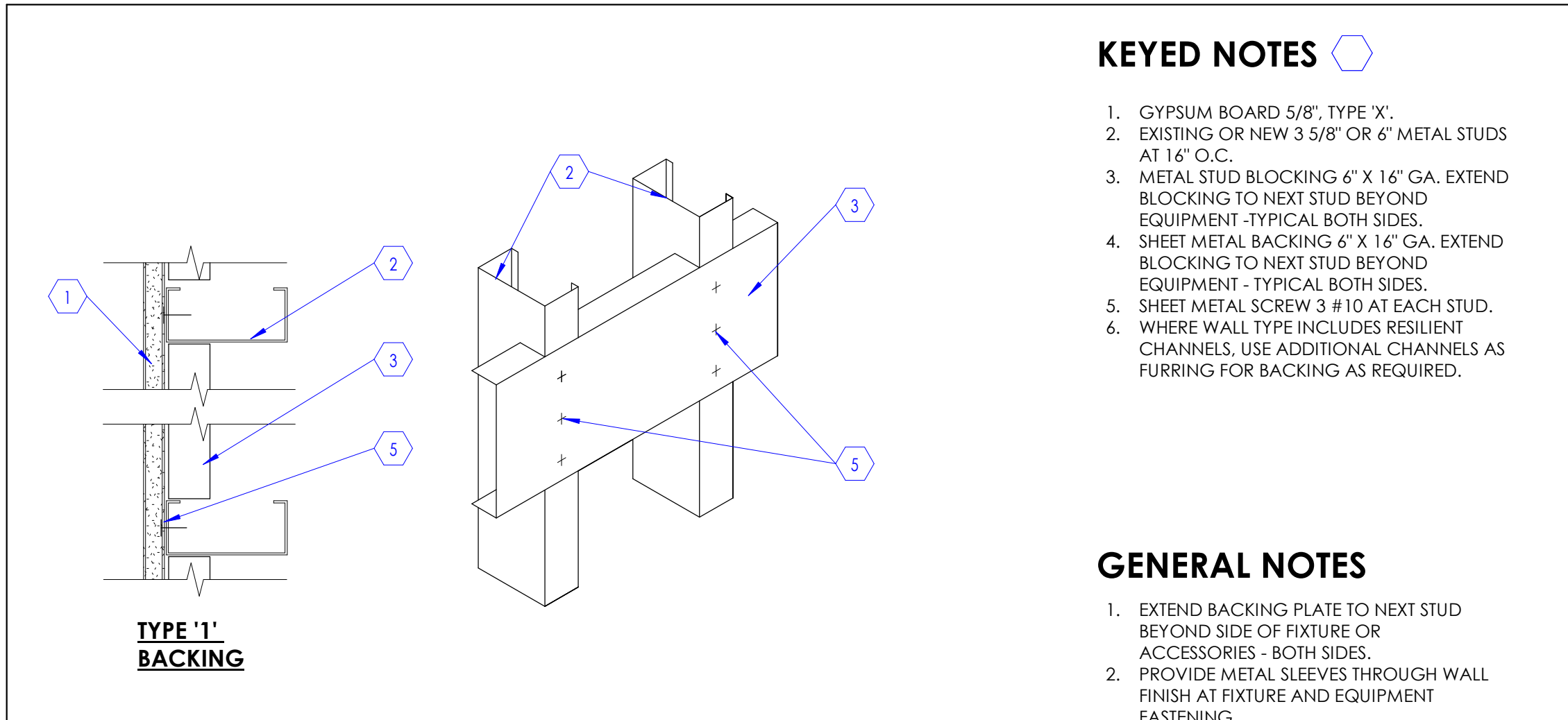
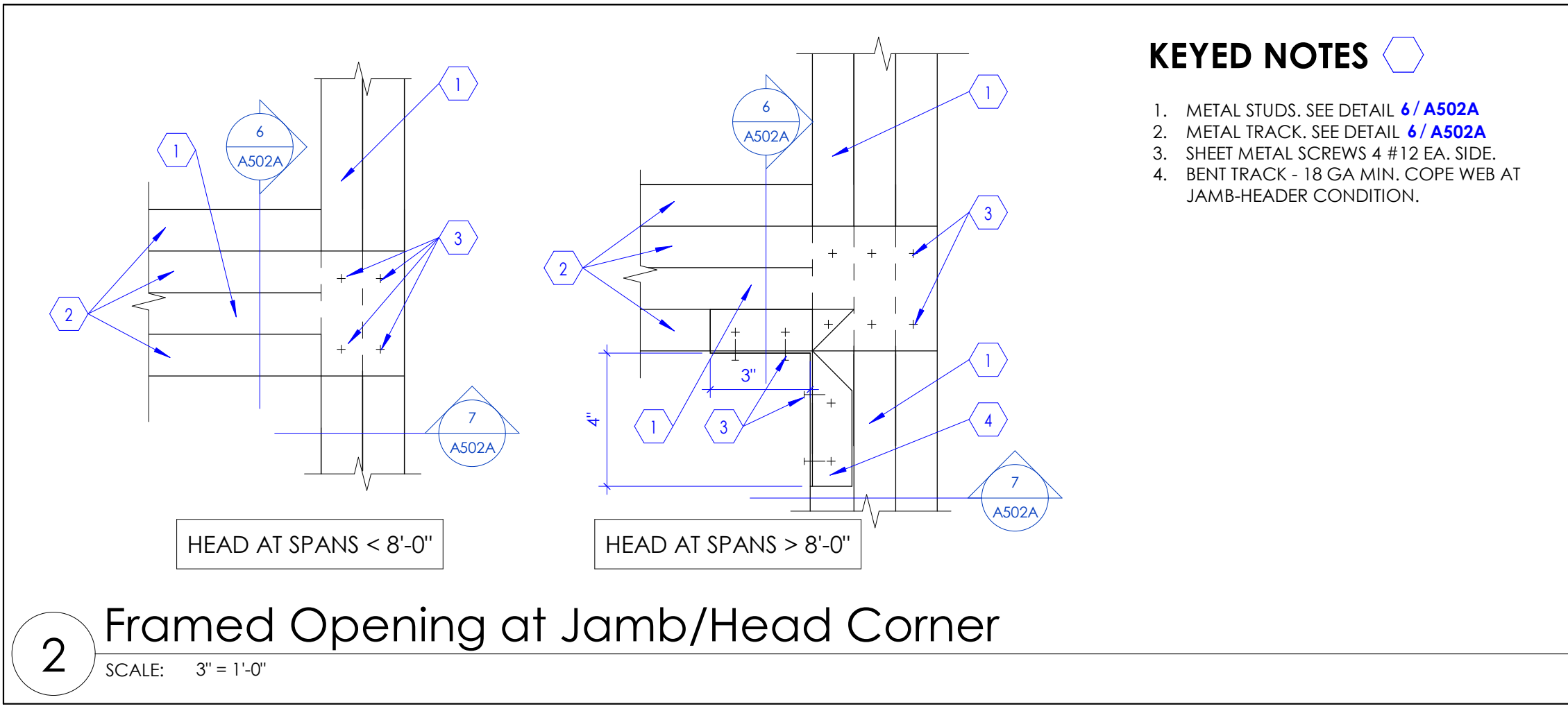
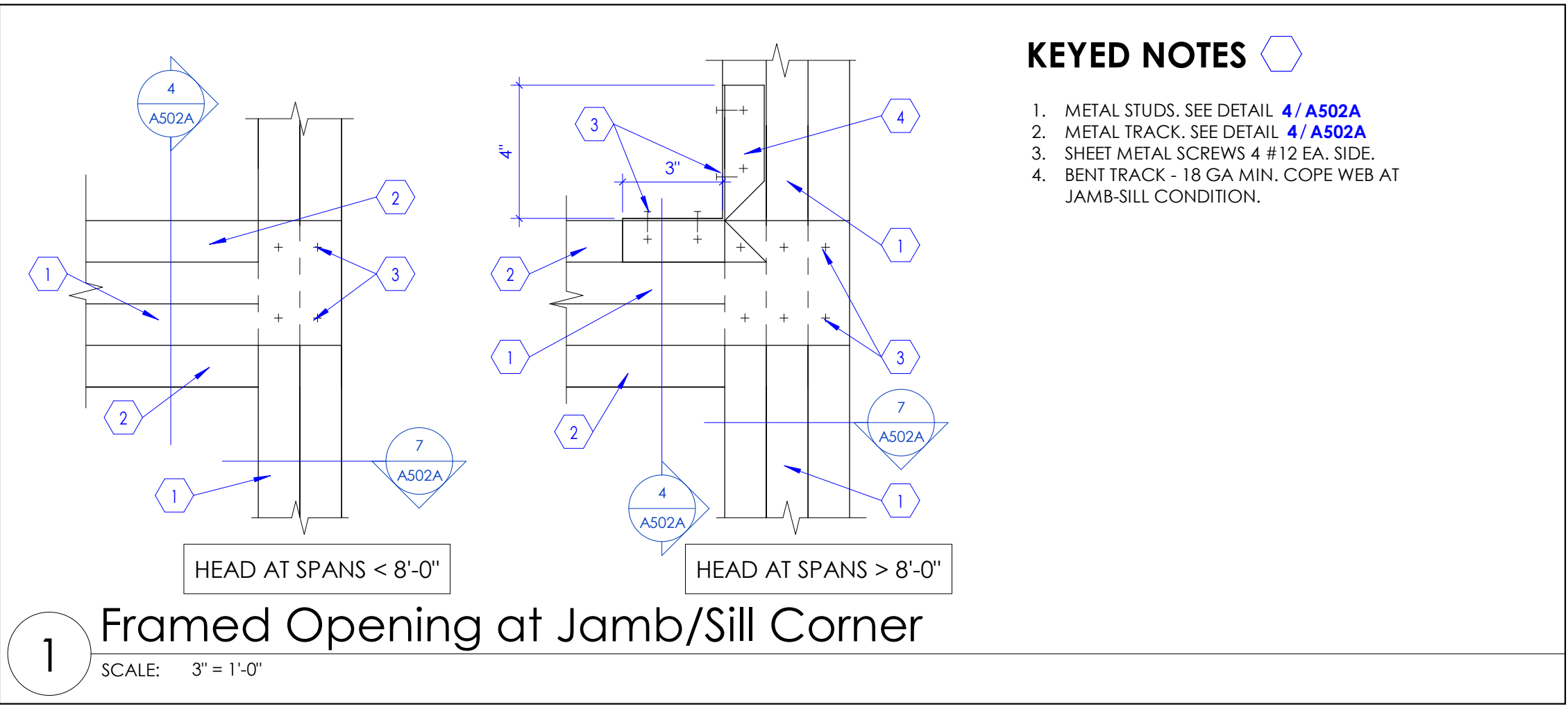
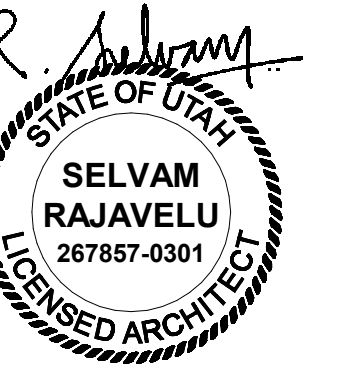
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Riverton Hospital  
Endoscopy Room #4

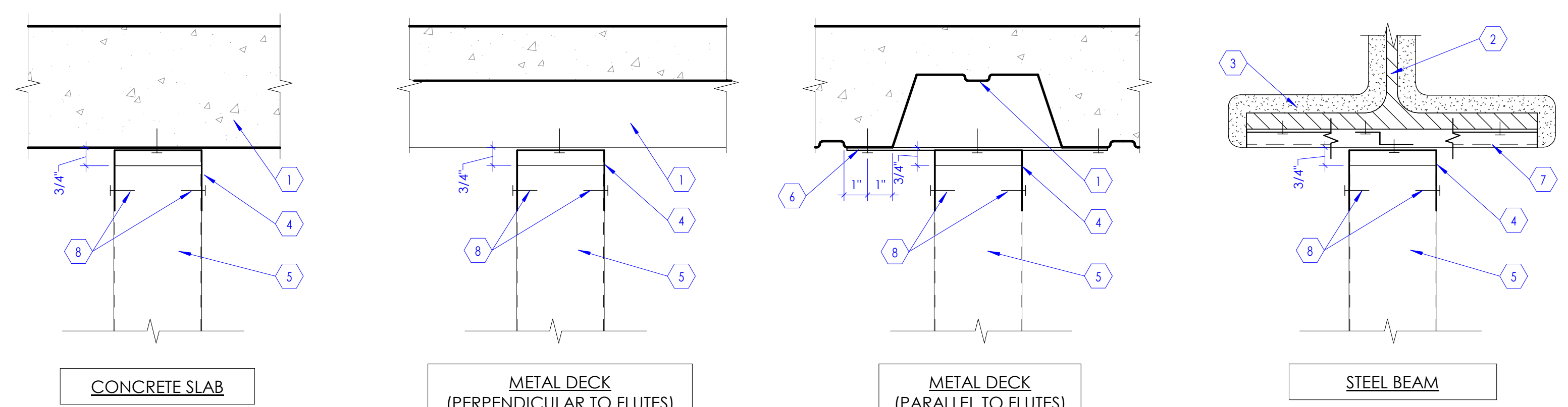
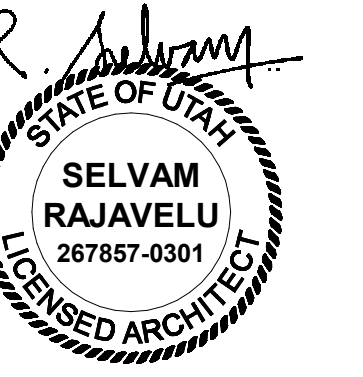
3741 West 12600 South  
Riverton, UT 84065

NJRA Project # 21211.00  
Construction Documents Feb 7, 2022

Wall Types

A501A

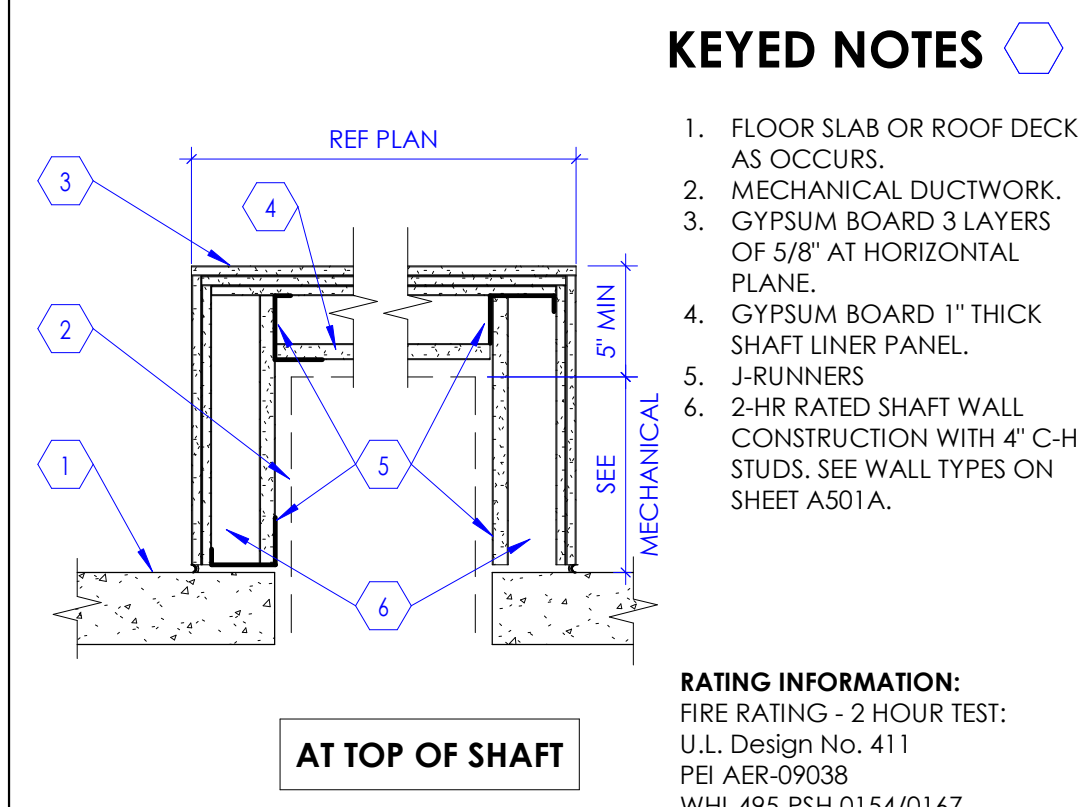




**KEYED NOTES**

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"

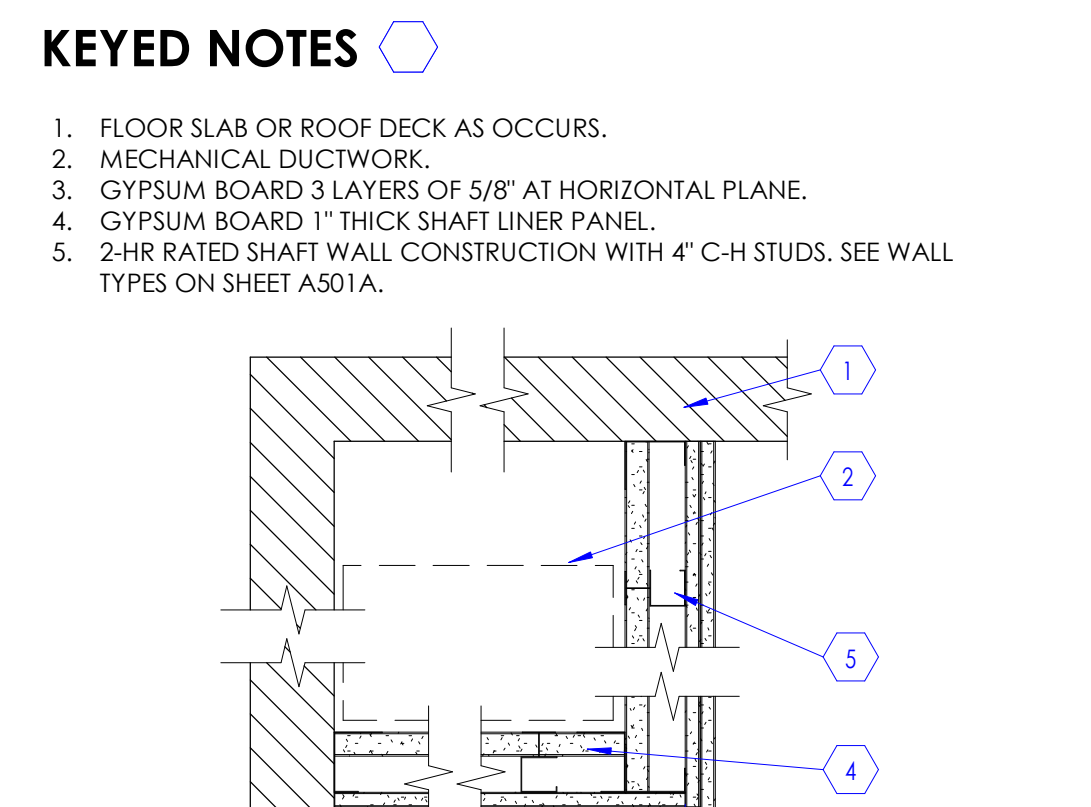


**KEYED NOTES**

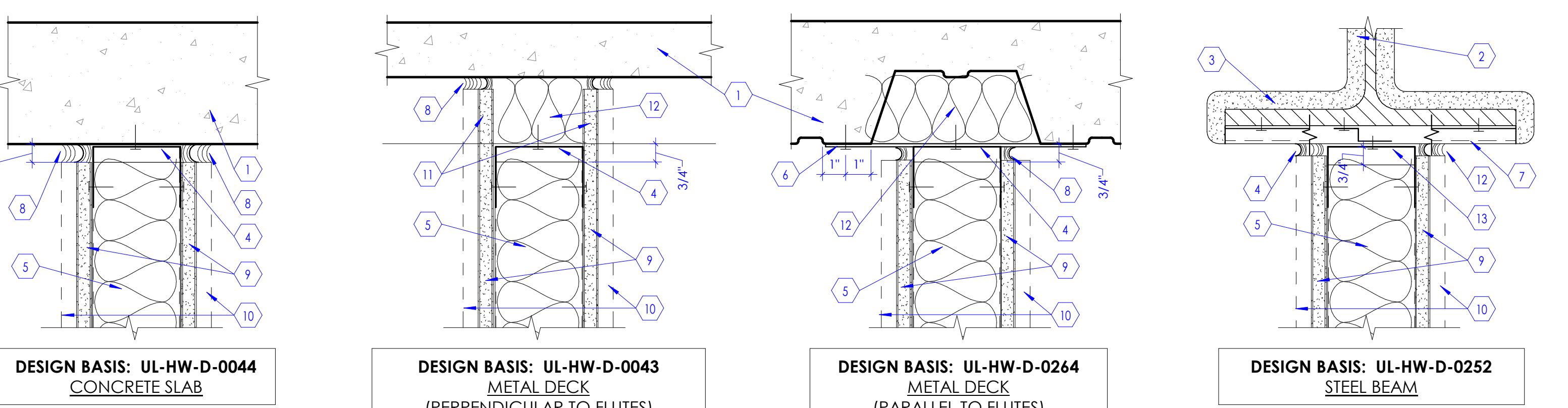
1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS
6. 2-HR RATED SHAFT WALL CONSTRUCTION WITH 4" C-H STUDS. SEE WALL TYPES ON SHEET A501A.

**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"



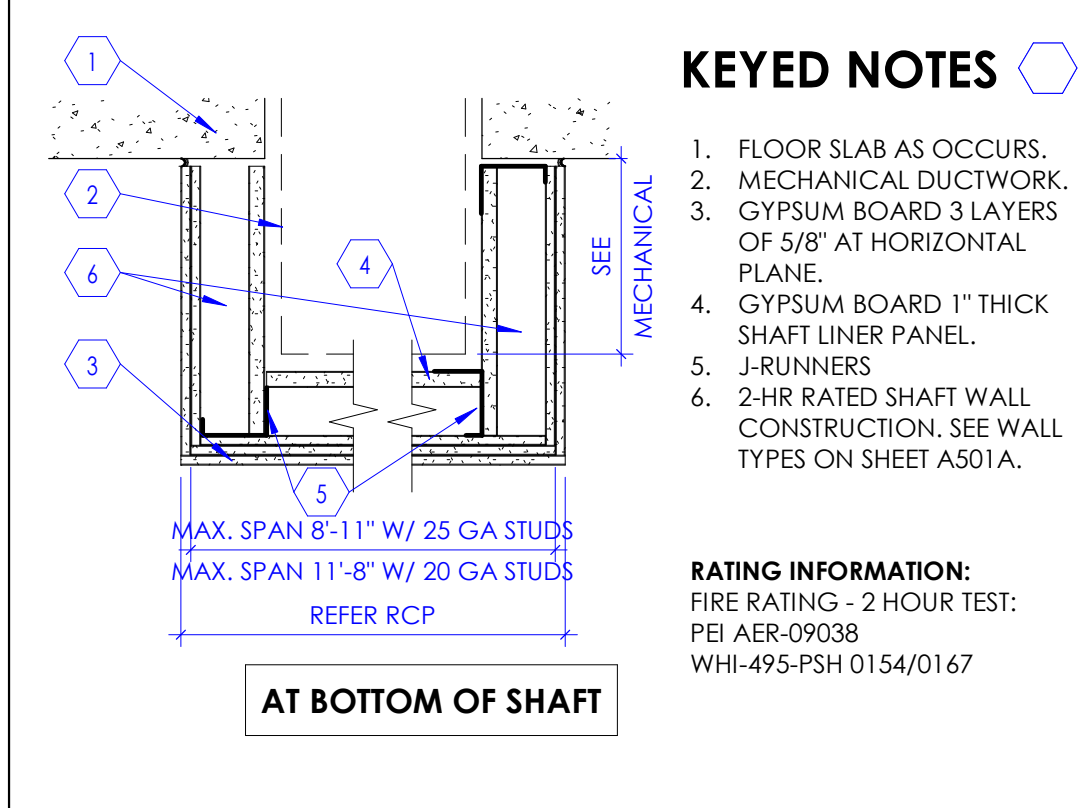
**5 2-HR Horizontal Assembly**  
SCALE: 1 1/2" = 1'-0"



**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. 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"

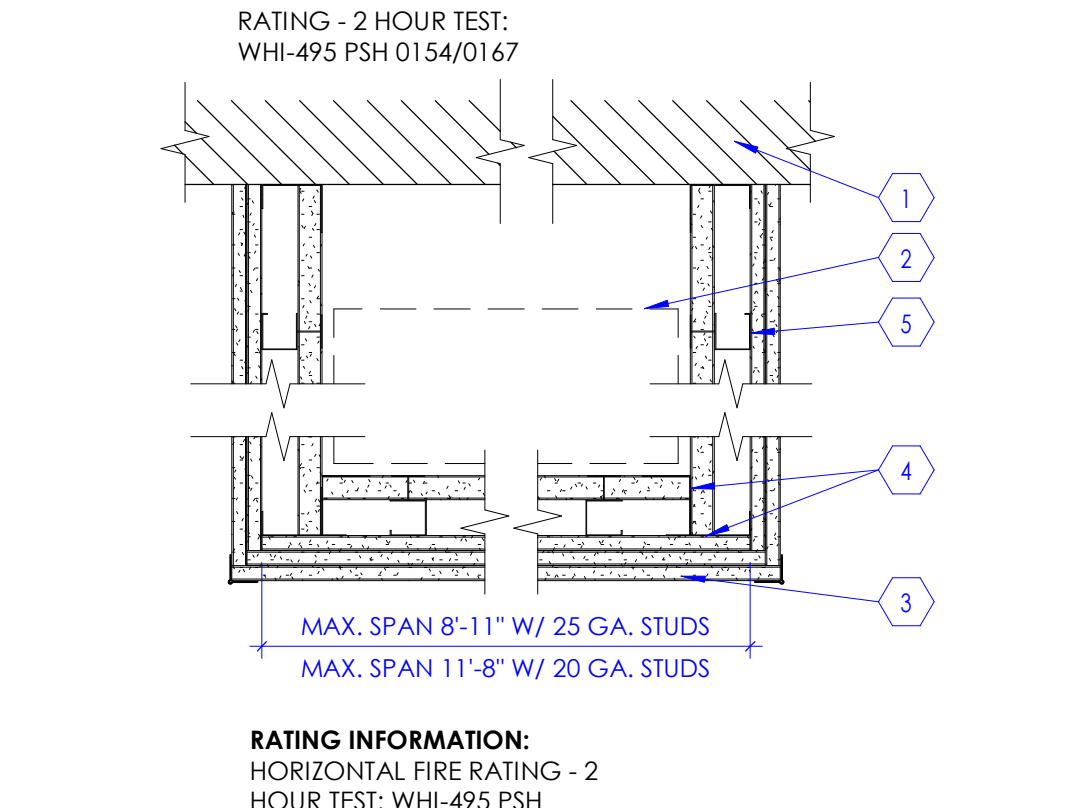


**KEYED NOTES**

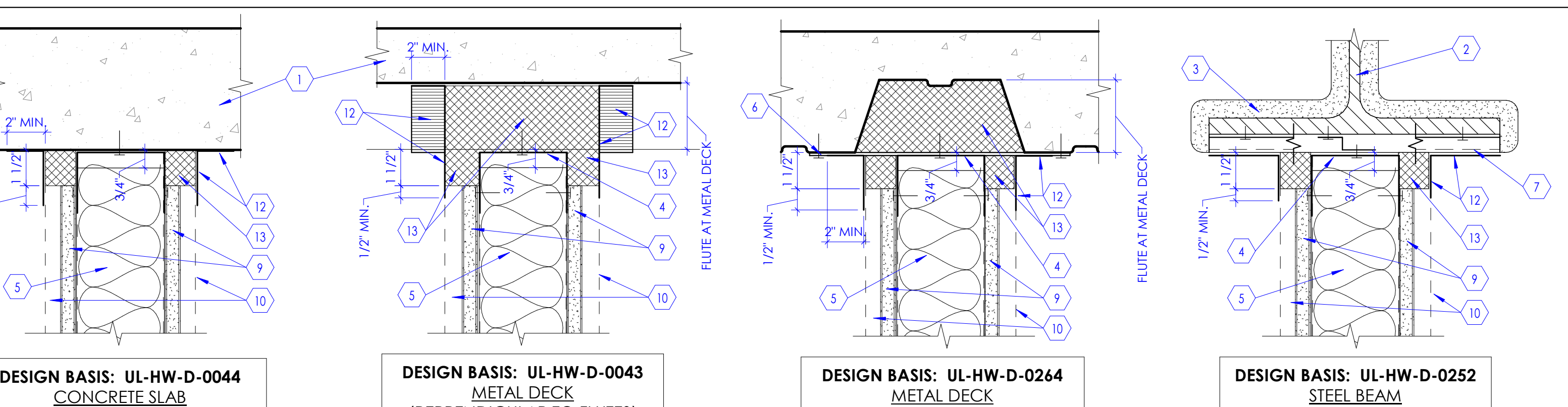
1. FLOOR SLAB OR ROOF DECK AS OCCURS.
2. MECHANICAL DUCTWORK.
3. GYPSUM BOARD 3 LAYERS OF 5/8" AT HORIZONTAL PLANE.
4. GYPSUM BOARD 1" THICK SHAFT LINER PANEL.
5. J-RUNNERS
6. 2-HR RATED SHAFT WALL CONSTRUCTION. SEE WALL TYPES ON SHEET A501A.

**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"



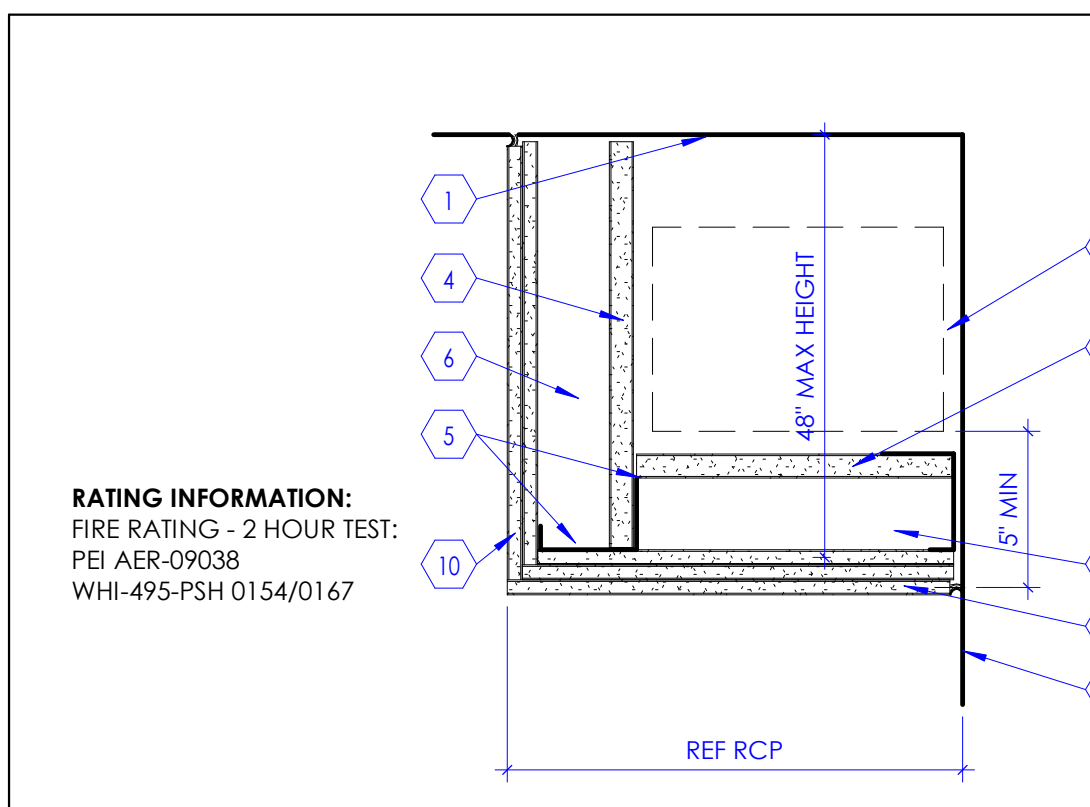
**5 2-HR Horizontal Assembly**  
SCALE: 1 1/2" = 1'-0"



**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.

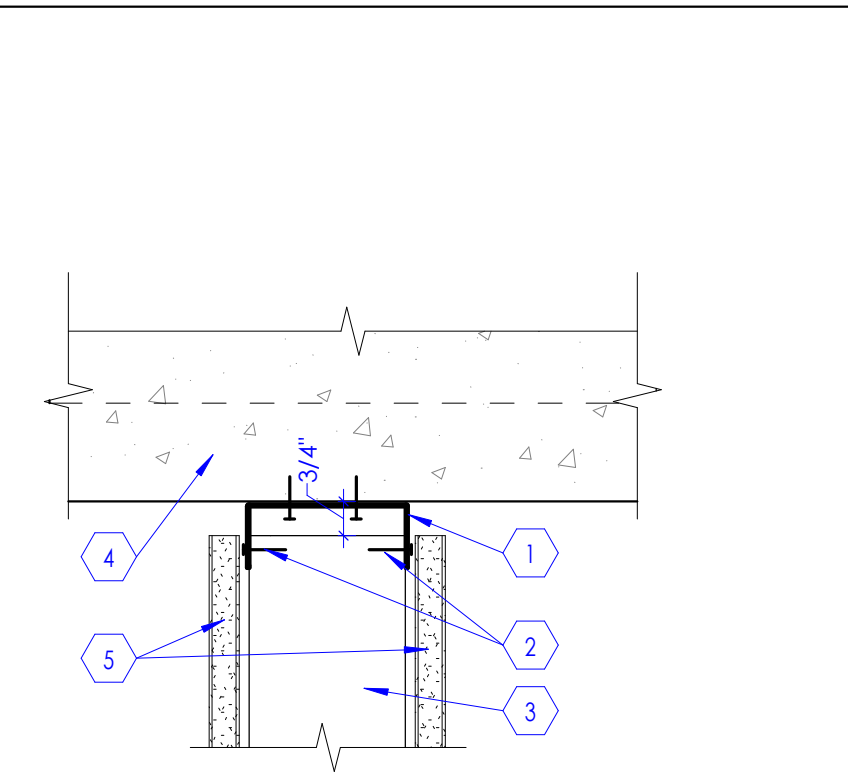
**6 Head Condition at Fire Rated Partitions**  
SCALE: 3" = 1'-0"



**KEYED NOTES**

1. FLOOR 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.
7. WALL BEYOND.
8. METAL STUD FRAMING. SEE PLANS FOR STUD SIZE.
9. SHAFT WALL FRAMING WITH 1 1/2" C-H STUDS.
10. GYPSUM BOARD 2 LAYERS OF 5/8".

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



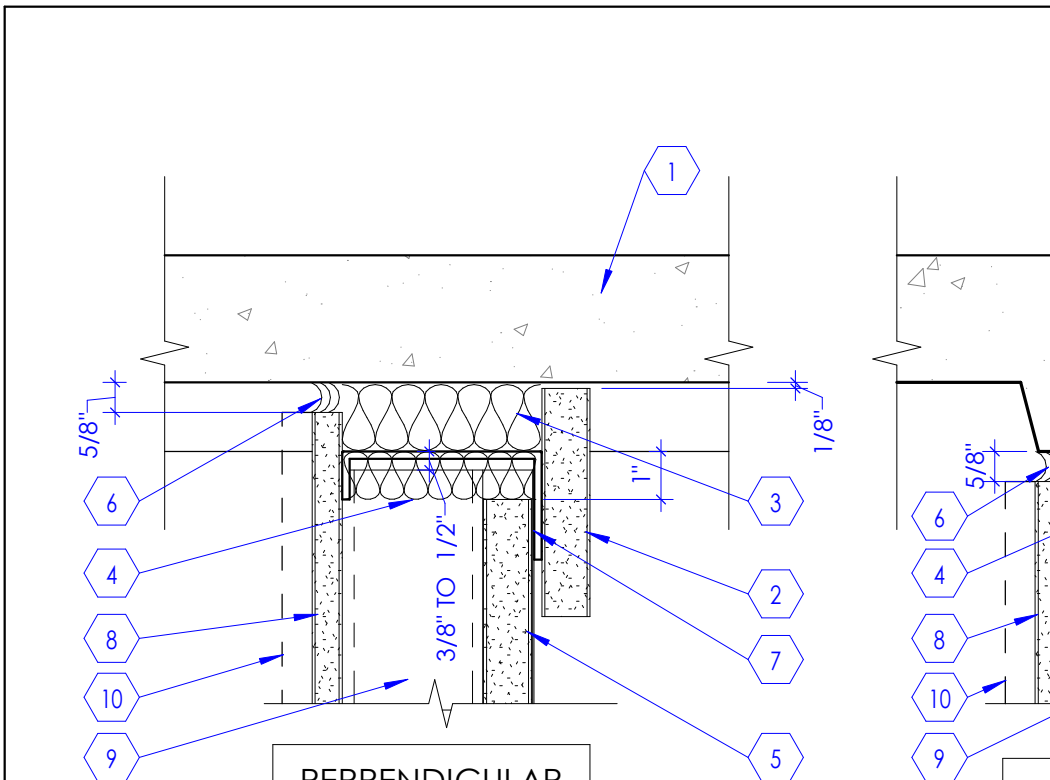
**KEYED NOTES**

1. SLOTTED DEEP LEG DEFLECTION TRACK, 1/4" CONTINUOUS. SECURE TO SUPERSTRUCTURE ABOVE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 3/4" OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
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. GWS 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. EMPLOY 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 GWS 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.

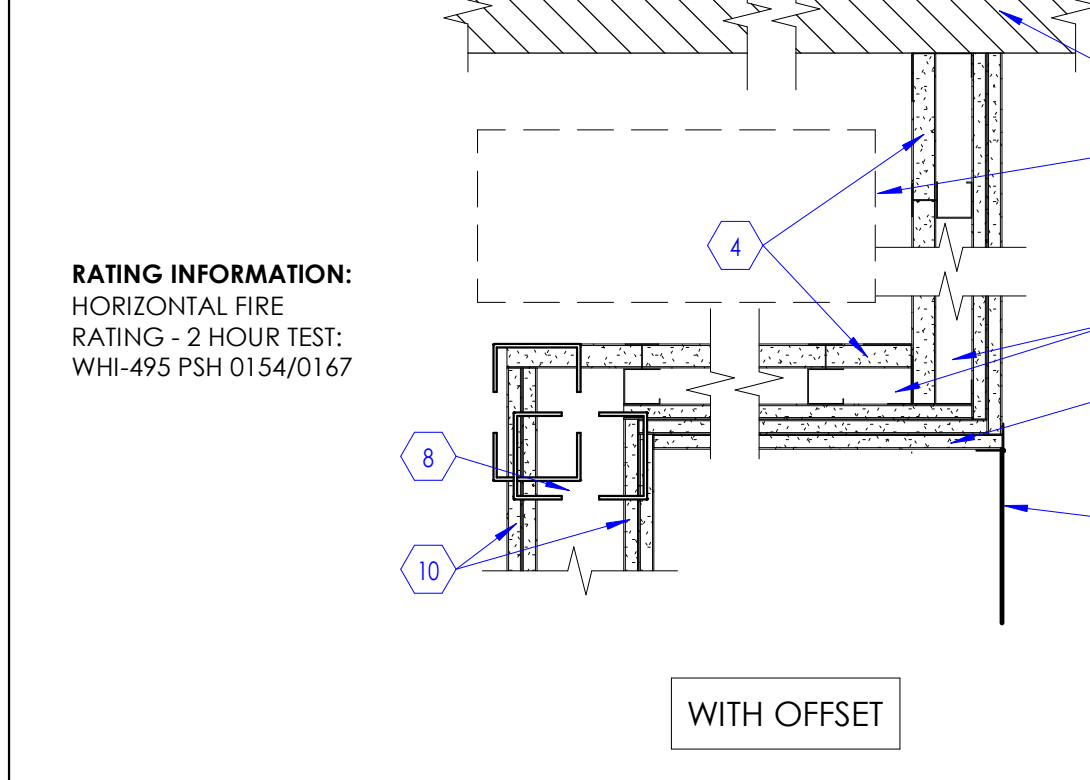
**9 Slip Connection Detail**  
SCALE: 3" = 1'-0"



**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.

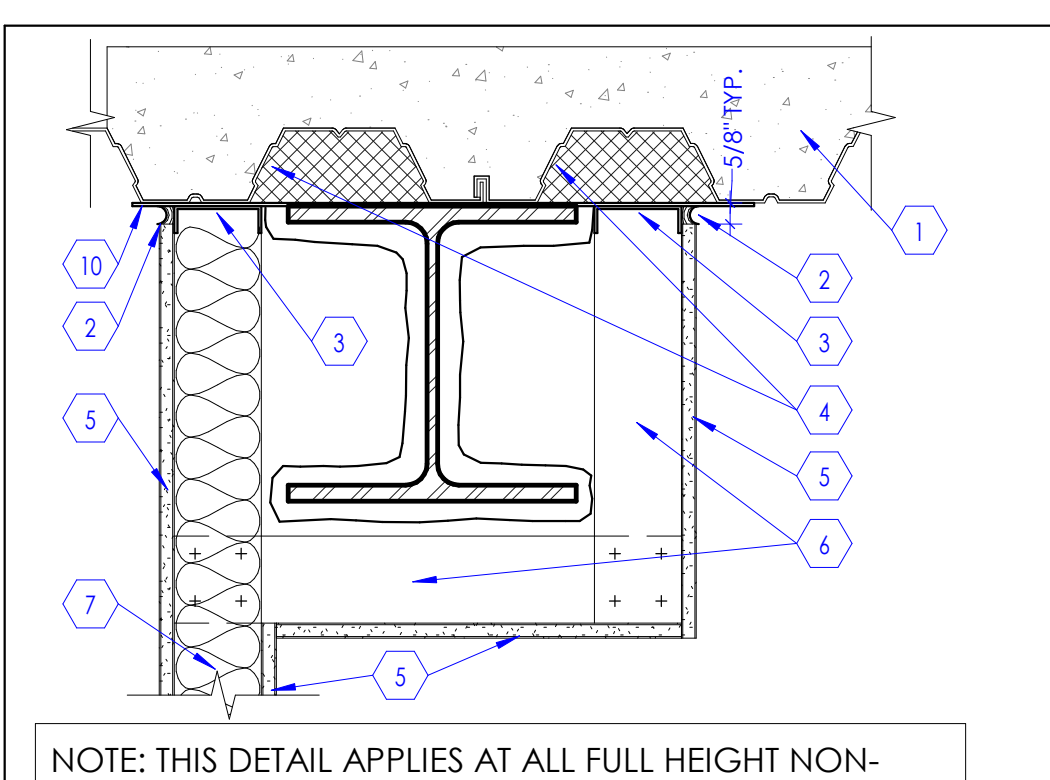
**7 Head Detail at Shaft Wall**  
SCALE: 3" = 1'-0"



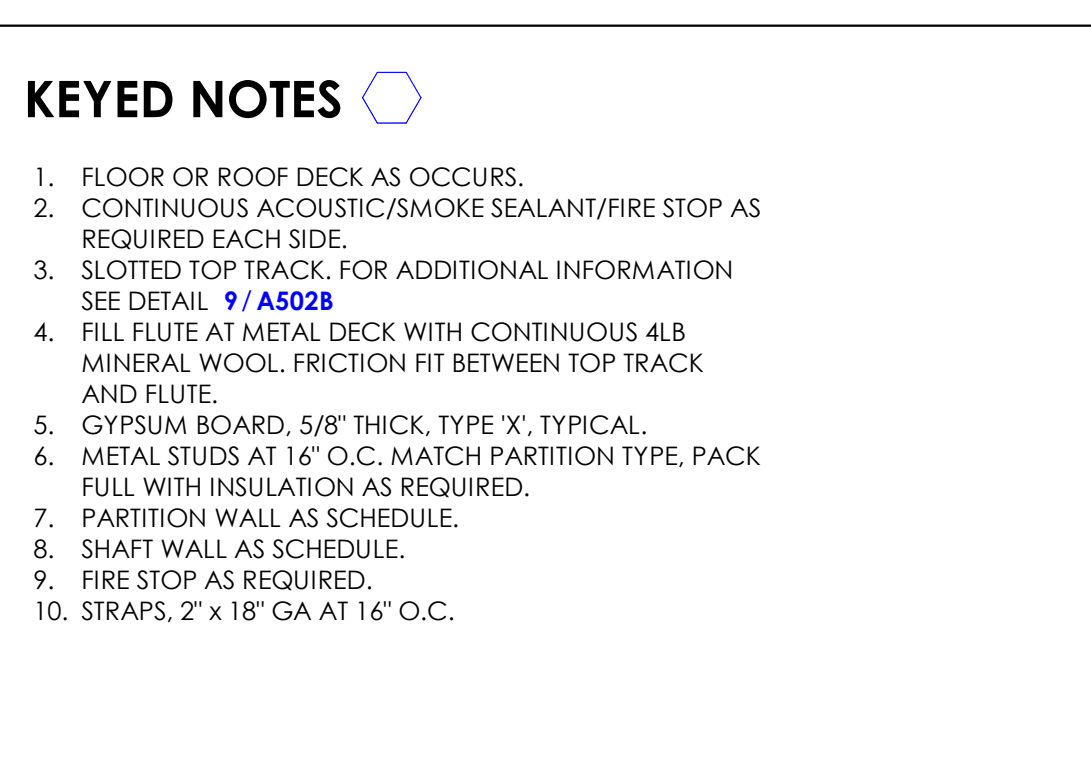
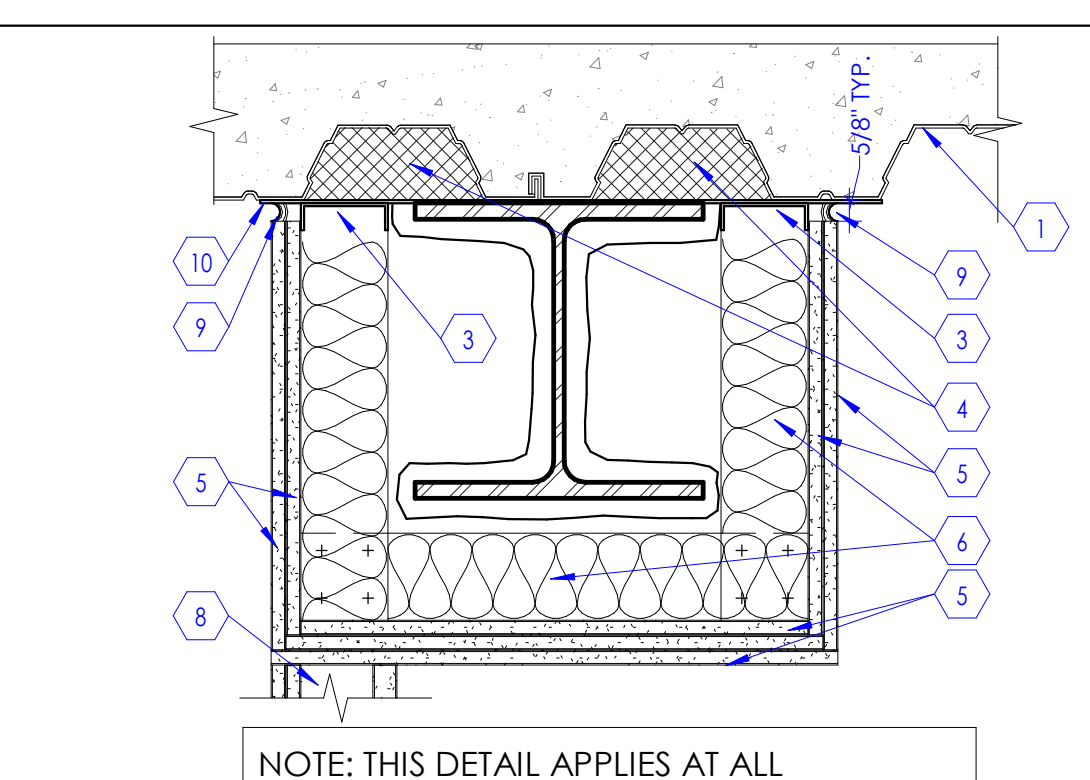
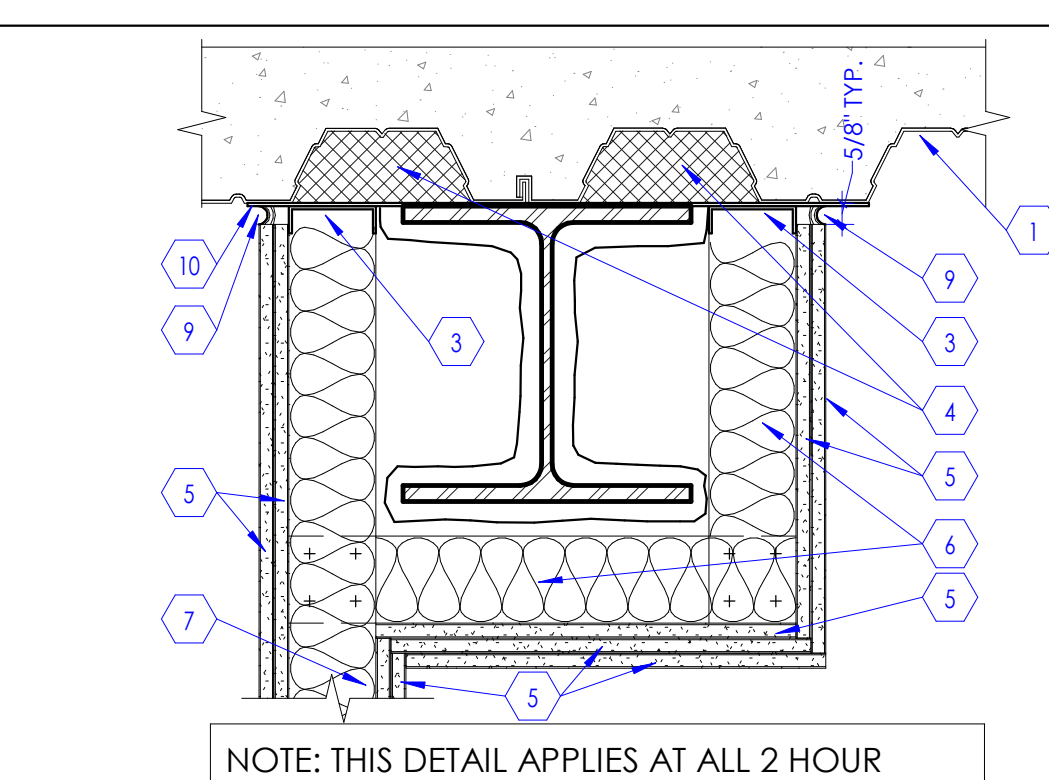
**KEYED NOTES**

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, PACT 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.

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

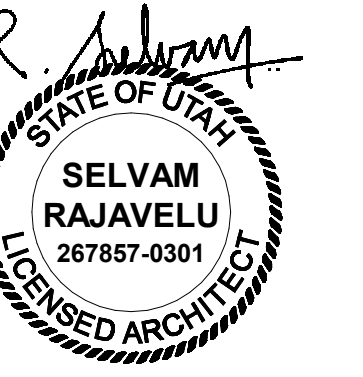


**10 Alternate Framing Details at Rated Walls**  
SCALE: 1 1/2" = 1'-0"



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





**KEYED NOTES**

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

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

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

**KEYED NOTES**

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

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

**KEYED NOTES**

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

CONTRACTORS OPTION IN LIEU OF E.B. 1/8"

CONTRACTORS OPTION IN LIEU OF E.B. WHEN STUD IS BELOW DECK PLATE 1/8"

CONTRACTORS OPTION IN LIEU OF E.B. WHEN STUD IS BELOW DECK PLATE 1/8"

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

**KEYED NOTES**

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

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

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

**KEYED NOTES**

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

FIELD VERIFY

SEE CEILING PLAN

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

**KEYED NOTES**

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

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

**KEYED NOTES**

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

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

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

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

**KEYED NOTES**

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

2" MAX

2" MAX

1 1/8"

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

**KEYED NOTES**

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

SEE REFLECTED CEILING PLAN FOR CEILING HEIGHT

SEE REFLECTED CEILING PLAN FOR SOFFIT HEIGHT

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

**KEYED NOTES**

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

AT CROSS TEE

AT MAIN BEAM

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

**KEYED NOTES**

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

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

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

# LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

## DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION, NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	R/W=1, ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME, MIN. 1-1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
	DUCT SMOKE DETECTOR

TOP FIGURES INDICATE NECK SIZE, BOTTOM FIGURE INDICATES CFM.

## PIPING

	SHUT OFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	MOTOR OPERATED BUTTERFLY VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	ANGLE VALVE
	GLOBE VALVE
	PLUG VALVE
	SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
	CHECK VALVE
	LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	F&T-FLOAT & THERMOSTATIC
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING VALVE EXTERNAL PRESSURE
	PRESSURE REDUCING VALVE SELF CONTAINED
	ATC - 2 WAY VALVE
	ATC - 3 WAY VALVE
	SOLENOID VALVE
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	VENTURI FLOW METER
	FLOW METER ORIFICE
	RELIEF VALVE
	AIR VENT-MANUAL
	AIR VENT-AUTO
	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	THERMOMETER WELL
	THERMOMETER - TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
	PRESSURE GAUGE WITH PIGTAIL
	UNION
	FLANGE
	FLEXIBLE EXPANSION JOINT
	REDUCER
	ECCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISE - DOWN (ELBOW)
	RISE - UP (ELBOW)
	PIPE CAP
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	VALVE IN RISE
	90° ELBOW
	45° ELBOW
	ALIGNMENT GUIDE
	ANCHOR

## PLUMBING

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

## EQUIPMENT

	UNIT HEATER
	INLINE PUMP
	FAN

## FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

## ANNOTATIONS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	SWITCH
	SENSOR
	THERMOSTAT
	NIGHT THERMOSTAT

## LINETYPES

	ACID VENT
	ACID WASTE
	BOILER BLOW DOWN
	BOILER FEED WATER
	BRINE
	CARBON DIOXIDE
	COMPRESSED AIR
	CHEMICAL FEED
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW)
	DEIONIZED WATER SUPPLY
	DEIONIZED WATER RETURN
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	GLYCOL HEAT RECOVERY PIPING
	GLYCOL PIPING SOLUTION
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT
	FLUSH VALVE SUPPLY
	NATURAL GAS
	HOT GAS
	HELICOPTER FUEL RETURN
	HELICOPTER FUEL SUPPLY
	HIGH PRESSURE DOMESTIC WATER
	HIGH PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HEATING HOT WATER RETURN
	HEATING HOT WATER SUPPLY
	INSTRUMENT AIR
	INSTRUMENT AIR AT PRESSURE INDICATED
	INDUSTRIAL COLD WATER
	INDUSTRIAL HOT WATER
	INDUSTRIAL HOT WATER RETURN
	INDUSTRIAL SOFT COLD WATER
	LAB AIR
	LAB VACUUM
	LOW PRESSURE CONDENSATE
	LIQUIFIED PETROLEUM GAS
	LOW PRESSURE STEAM
	LAB WATER
	LAB WATER RETURN
	MEDICAL AIR
	MEDICAL AIR AT PRESSURE INDICATED
	MEDIUM PRESSURE CONDENSATE
	MEDIUM PRESSURE STEAM

## LINETYPES CONT.

	MAKE UP WATER
	MEDICAL VACUUM
	NITROGEN
	NITROUS OXIDE
	MEDICAL OXYGEN
	MEDICAL OXYGEN AT PRESSURE INDICATED
	PUMPED CONDENSATE
	REVERSE OSMOSIS WATER SUPPLY
	REVERSE OSMOSIS WATER RETURN
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	SOFT DOMESTIC WATER
	TEMPERED WATER
	TEMPERED WATER RETURN
	VACUUM
	VENT (SEWER)





### MEDICAL GAS GENERAL NOTES

- MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE. COORDINATE PIPING ROUTING WITH ALL OTHER POSSIBLE CONFLICTS SUCH AS DUCTWORK, DIFFUSERS, OTHER PIPING, LIGHTS, CONDUIT, STRUCTURE, ETC.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- 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.
- MOUNT ALL SERVICE VALVES NEAR CEILING HEIGHT FOR ACCESSIBILITY.

### 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 PIPING. FAILURE TO COMPLY WILL RESULT IN THE 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.

### PLUMBING GENERAL NOTES

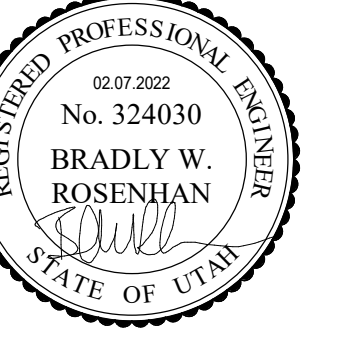
- UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.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

### MECHANICAL PIPING GENERAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTAL 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.
- WHERE VALVING OR EQUIPMENT IS LOCATED ABOVE HARD CEILINGS PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24"x24".
- 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.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
- PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
- INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

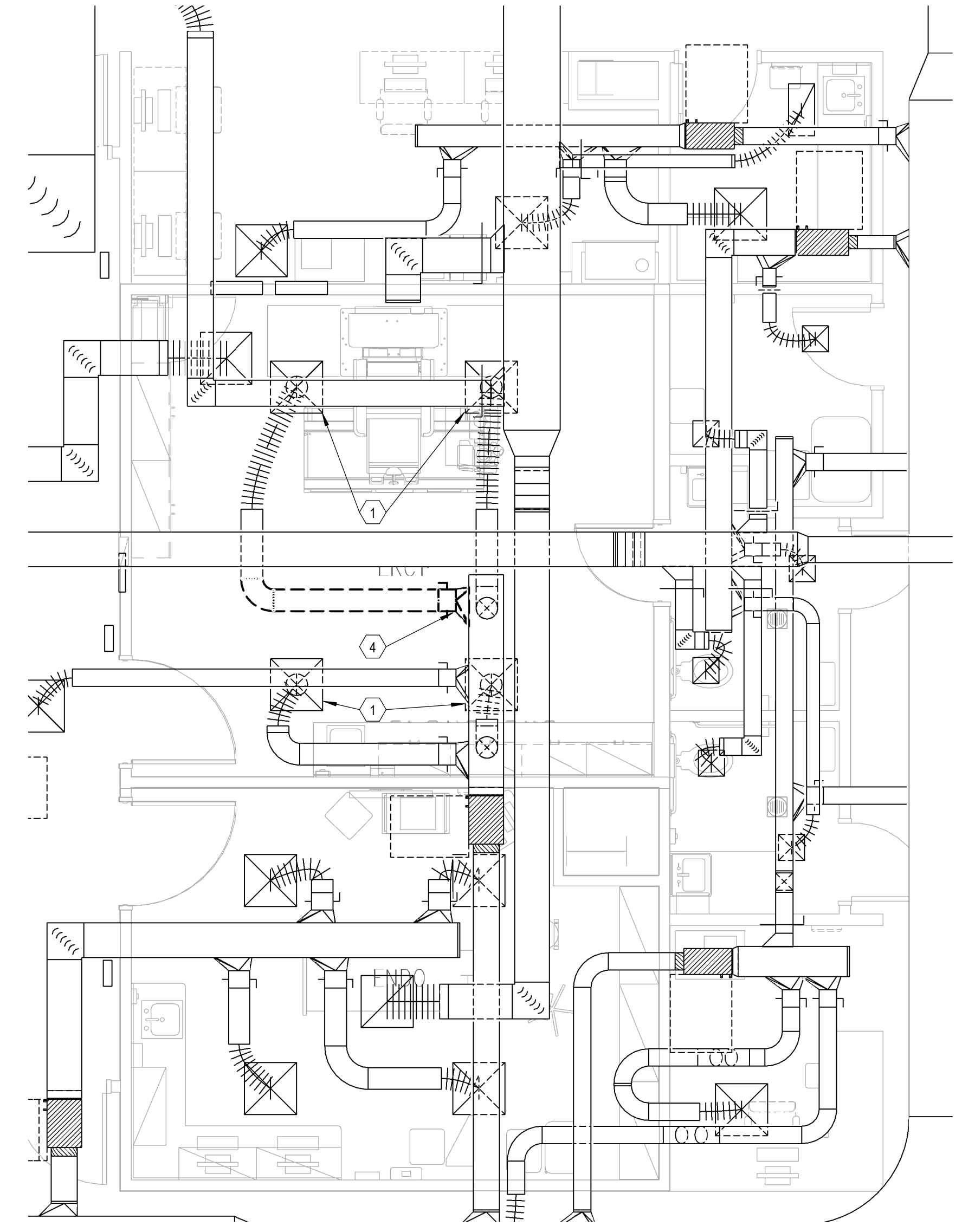
### MECHANICAL GENERAL NOTES

- 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 BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, 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.
- CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.
- DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
- PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS. 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 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.
- 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.
- ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
- PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MIN. 24" X 24".
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- ALL DUCTWORK ABOVE HARD CEILINGS SHALL BE EXTENDED ALL THE WAY TO THE SUPPLY DIFFUSERS, RETURN GRILLS OR EXHAUST GRILLS WHETHER OR NOT HARD DUCT OR FLEX DUCT IS SHOWN ON PLANS. FLEX DUCT WILL NOT BE ALLOWED TO DIFFUSERS OR GRILLS ABOVE HARD CEILINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.
- 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.
- 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"x24" ACCESS DOOR.

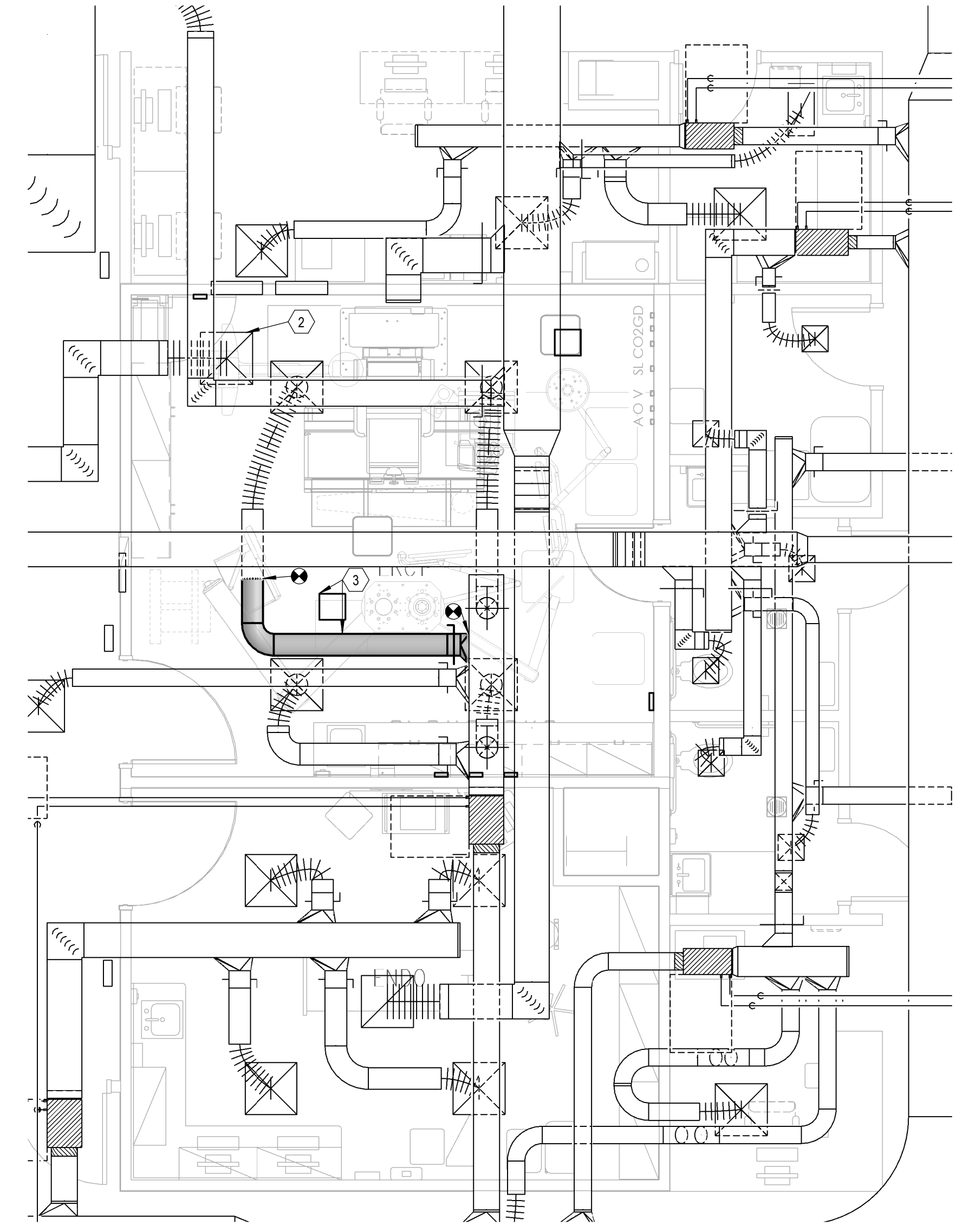


**KEYED NOTES**

1. EXISTING DIFFUSERS TO BE RELOCATED.
2. INSTALL DIFFUSERS IN HARD LID CEILING WITH MUD RING TYPICAL.
3. COORDINATE BRANCH DUCT INSTALLATION WITH STRUCTURAL BOOM SUPPORT.
4. REMOVE AND RELOCATED HIGH EFFICIENCY BRANCH TAKEOFF.



**1** MECHANICAL DEMO ENLARGED PLAN LEVEL 2  
SCALE: 1/4" = 1'-0" NORTH



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

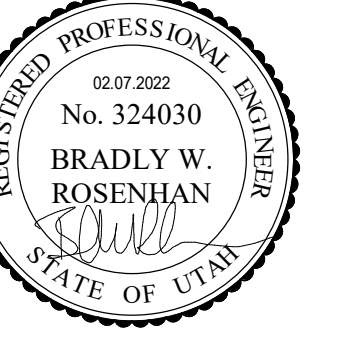
Intermountain Healthcare  
 Riverton Hospital  
 Endoscopy Room #4

3741 West 12600 South  
 Riverton, UT 84065

NJRA Project # 21211.00  
95% Review Set December 7, 2021

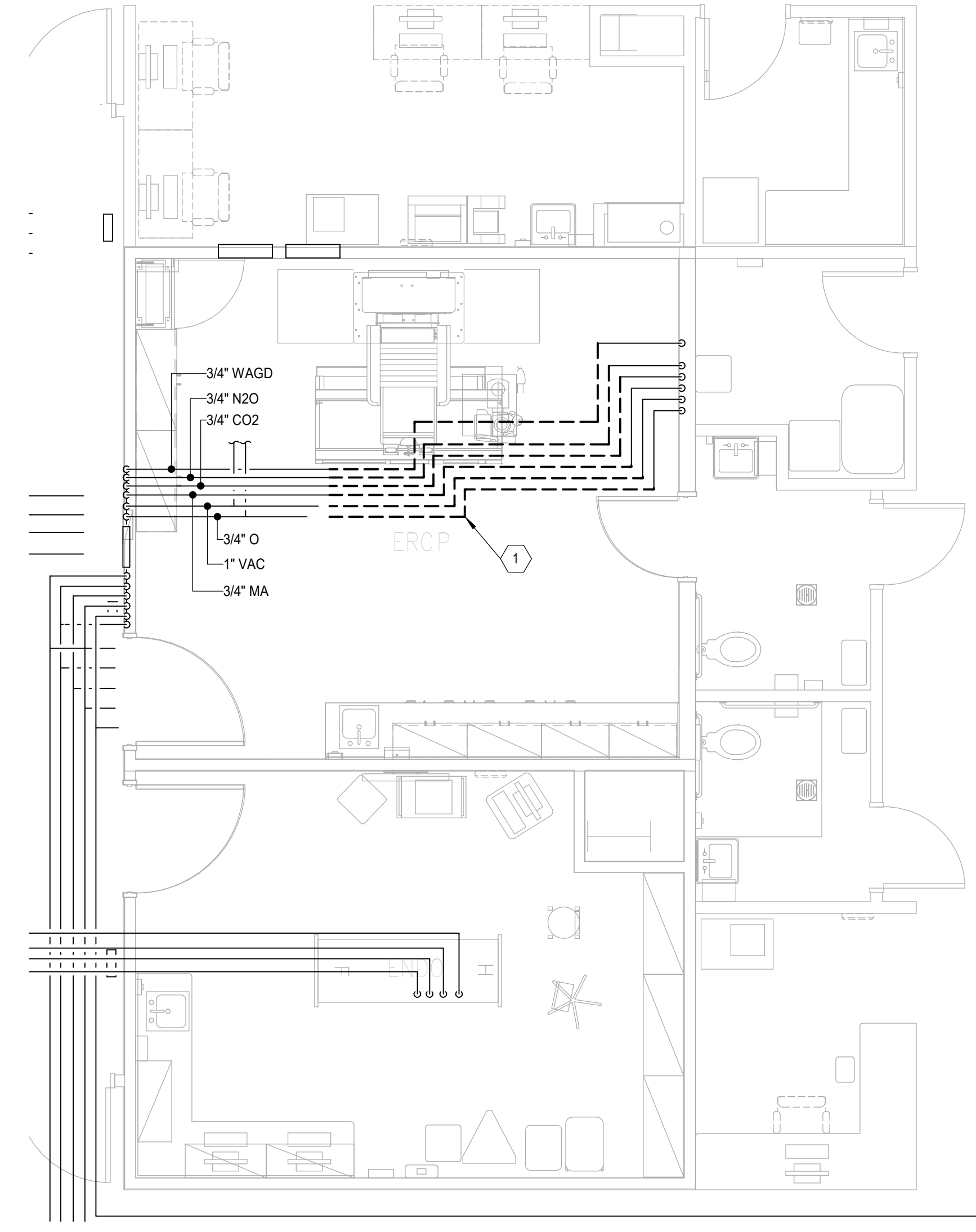
MECHANICAL  
PLANS

**MH401**

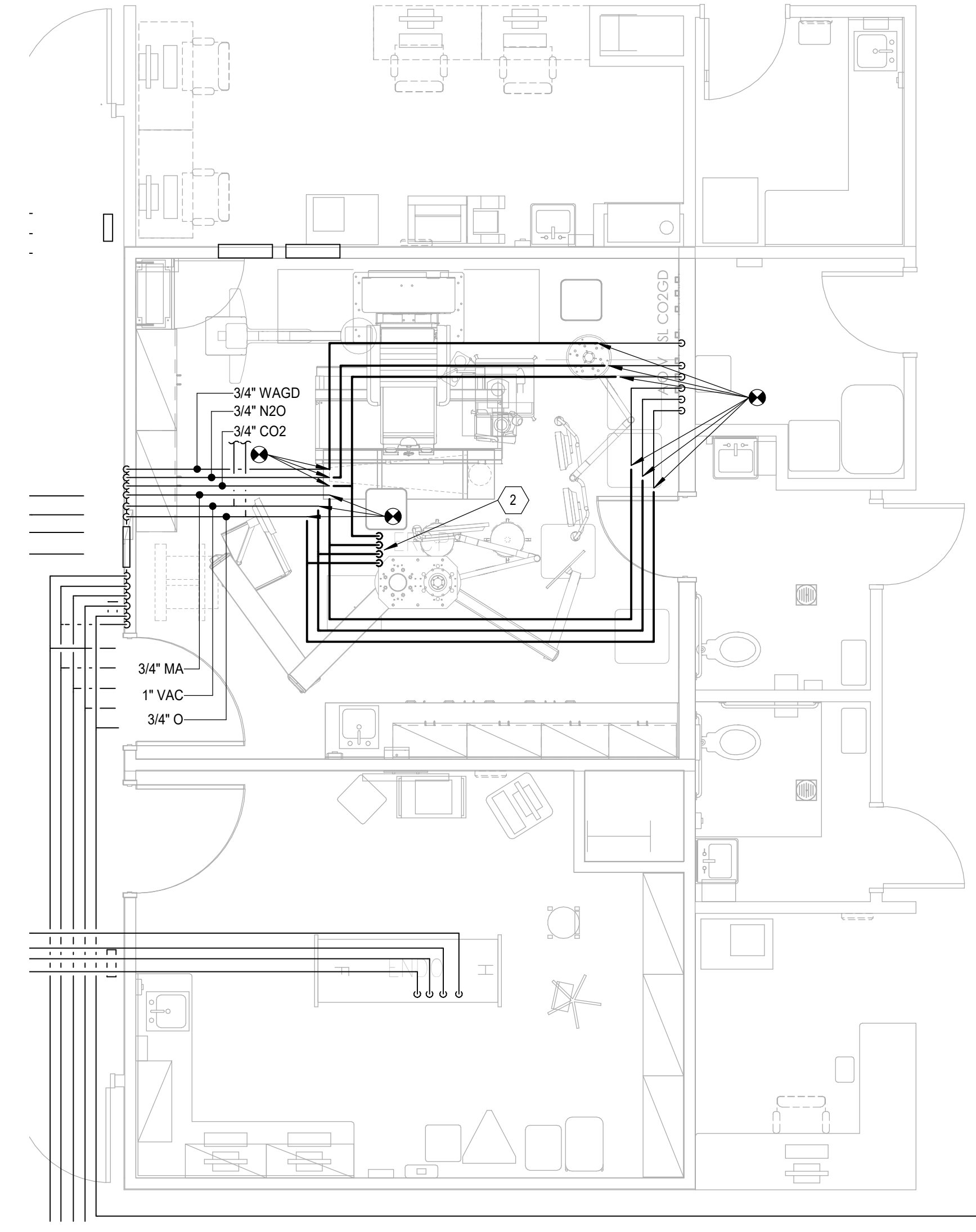


**KEYED NOTES**

- EXISTING PIPING TO BE DEMOLISHED DUE TO BOOM STRUCTURE INTERFERENCE.
- COORDINATE NEW PIPING CONNECTIONS TO BOOM PER MANUFACTURER REQUIREMENTS. PIPE SIZE TO REMAIN THE SAME.



**1** MEDICAL GAS DEMO ENLARGED PLAN LEVEL 2  
SCALE: 1/4" = 1'-0"  
NORTH



**2** MEDICAL GAS ENLARGED PLAN LEVEL 2  
SCALE: 1/4" = 1'-0"  
NORTH

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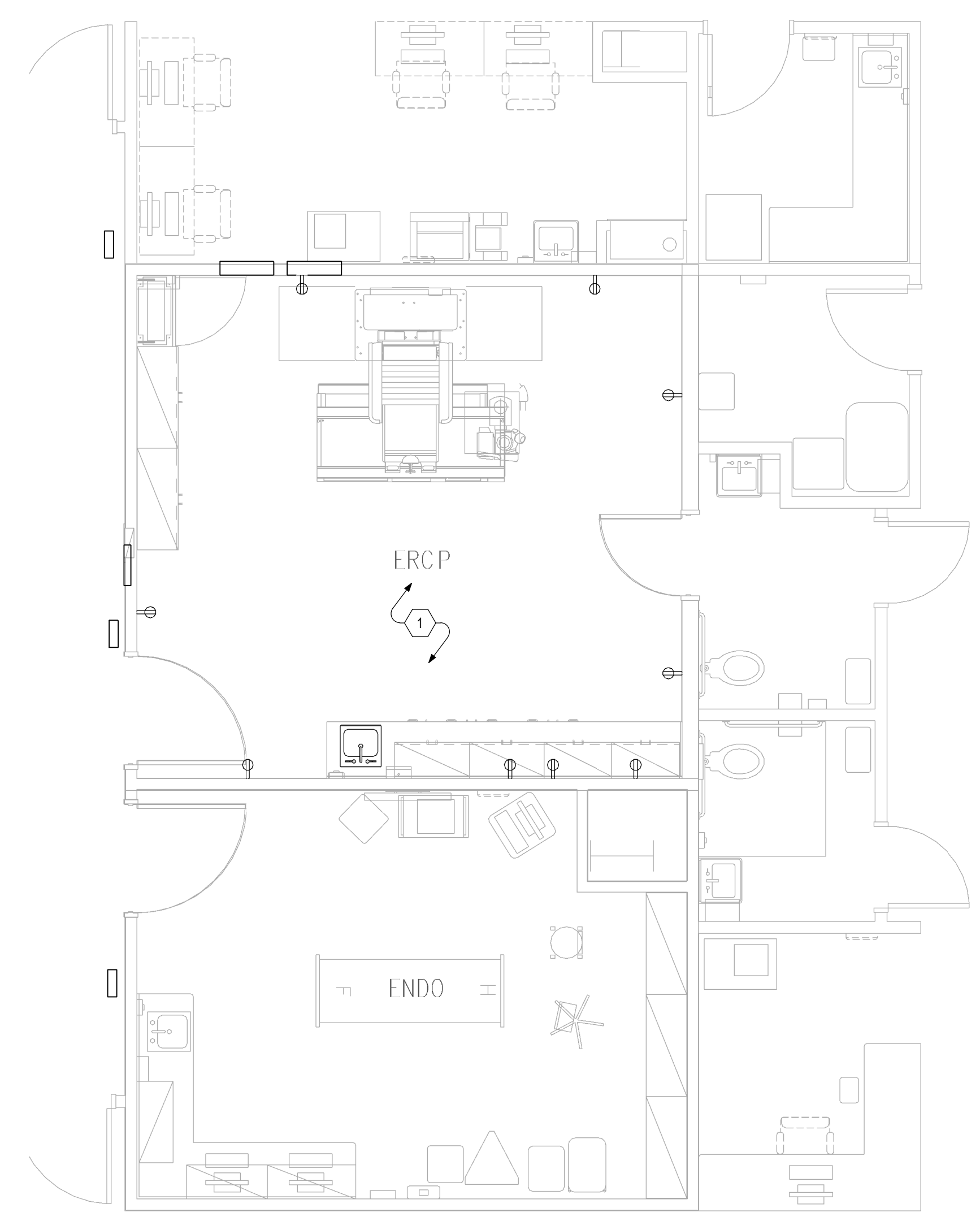
MEDICAL  
GAS PLANS

**MG401**

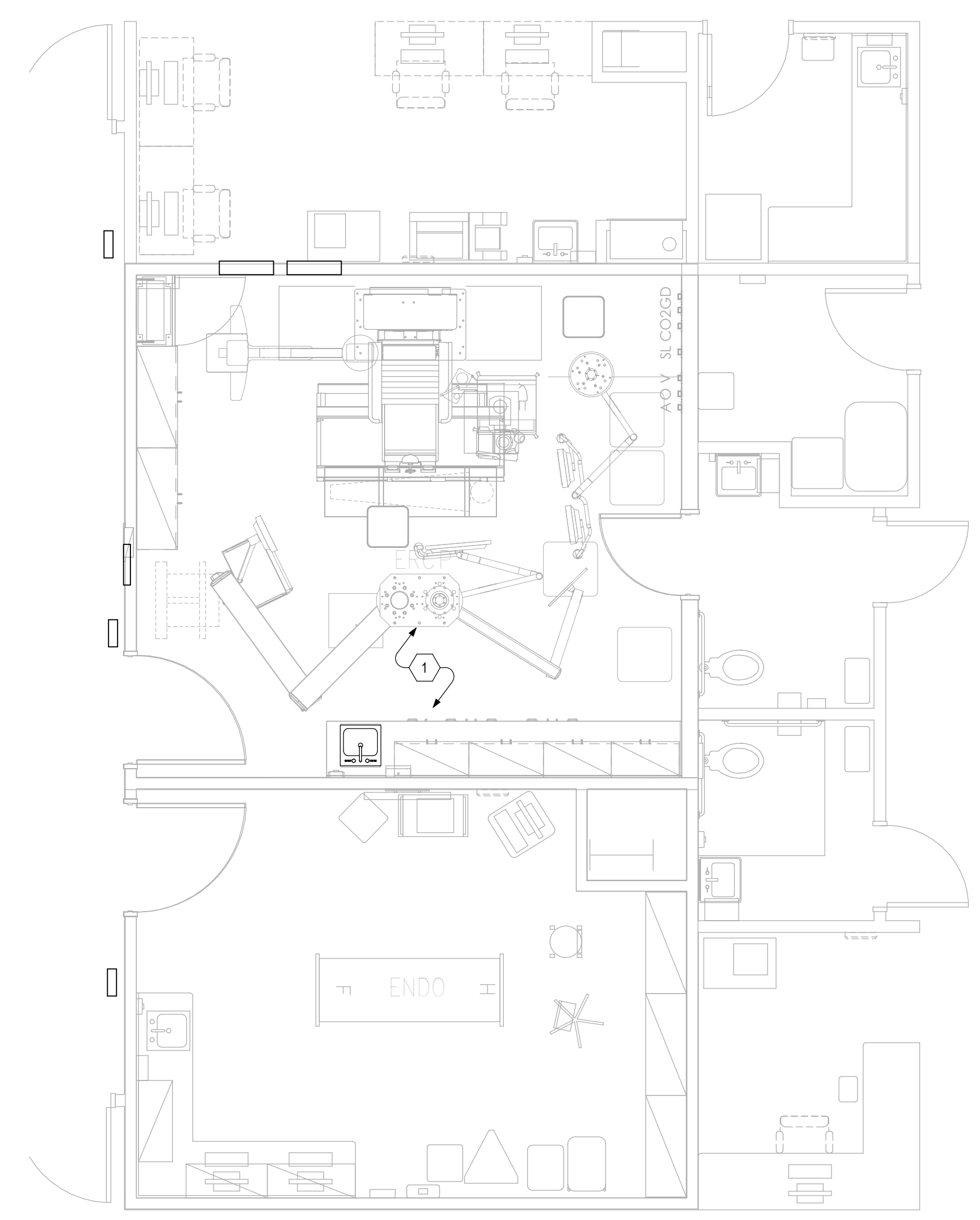


**KEYED NOTES**

- RELOCATE EXISTING HEADS FOR INSTALLATION IN HARD LID CEILING. REINSTALL PER NFPA 13.



**1** FIRE PROTECTION DEMO ENLARGED PLAN LEVEL 2  
SCALE: 1/4" = 1'-0" NORTH



**2** FIRE PROTECTION ENLARGED PLAN LEVEL 2  
SCALE: 1/4" = 1'-0" NORTH

Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

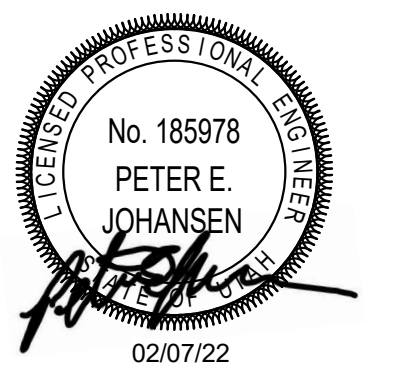
3741 West 12600 South  
Riverton, UT 84065

NJRA Project # 21211.00  
95% Review Set December 7, 2021

FIRE  
PROTECTION  
PLANS

FP401





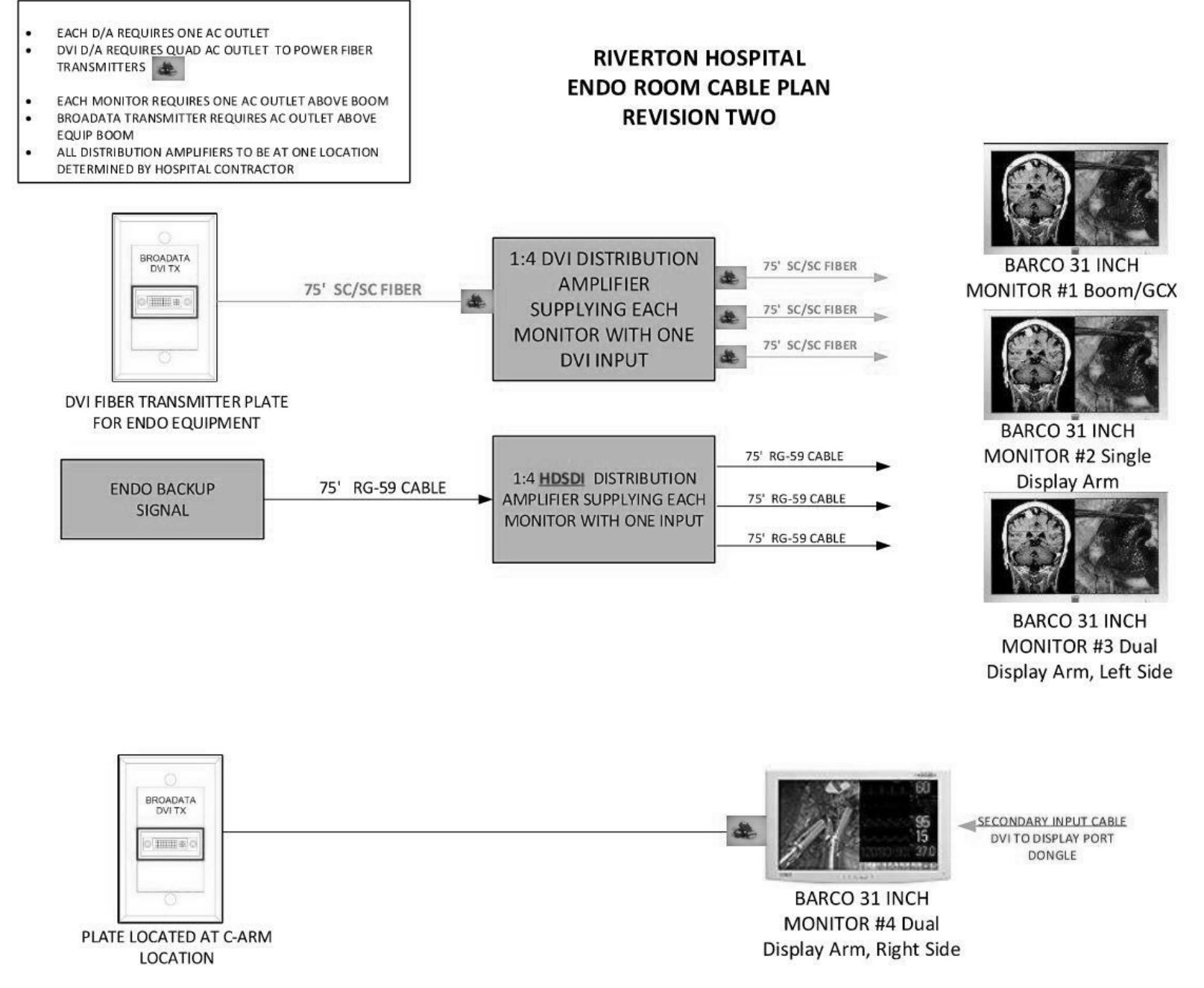
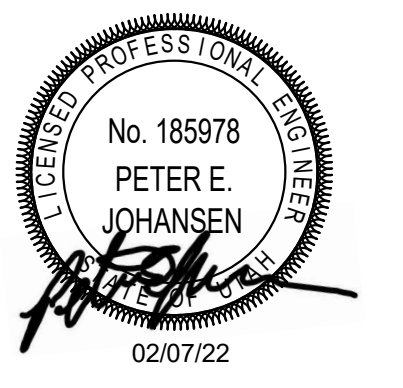
SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>ELECTRICAL POWER AND DISTRIBUTION</b>	
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	METER.
	BROAD BAND FILTER (ONE-LINE DIAGRAM).
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DIODE (ONE-LINE DIAGRAM).
	AERIAL SERVICE WEATHER HEAD (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	LIGHTING CONTROL STATION.
	DIMMING ENTRY STATION OR CONTROL STATION, FLUSH MOUNTED.
	CENTRAL PROCESSOR UNIT.
	TRANSFORMER: NUMBER INDICATES KVA.
	BUSWAY.
	DUCT, TROLLEY.
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
	SWITCH, MULTIPosition (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.
	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>FIRE ALARM</b>	
	FIRE SYSTEM ANNUNCIATOR.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	FIRE ALARM NOTIFICATION POWER SUPPLY.
	FIRE ALARM TRANSPONDER OR TRANSMITTER.
	SMOKE CONTROL PANEL.
	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	MAGNETIC DOOR HOLDER.
	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, ACCESSIBLE.
	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, HANDSET.
	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, JACK.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
	DETECTOR, SMOKE, BEAM RECEIVER.
	DETECTOR, SMOKE, BEAM TRANSMITTER.
	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
	DETECTOR, SMOKE WITH GUARD.
	DETECTOR, SMOKE, RESIDENTIAL.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	DETECTOR, HEAT.
	INDICATOR LAMP.
	STROBE.
	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, WEATHERPROOF.
	ALARM, HORN/STROBE, ONE ASSEMBLY.
	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, CHIME/STROBE, ONE ASSEMBLY.
	ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.
	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.
	SPEAKER, EVACUATION.
	SPEAKER, EVACUATION, COMBINATION STROBE.
	DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	SMOKE DAMPER.
	FIRE AND SMOKE DAMPER.
	BELL (GONG).
	DETECTOR, CARBON MONOXIDE.
	DETECTOR, SMOKE/STROBE, RESIDENTIAL.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

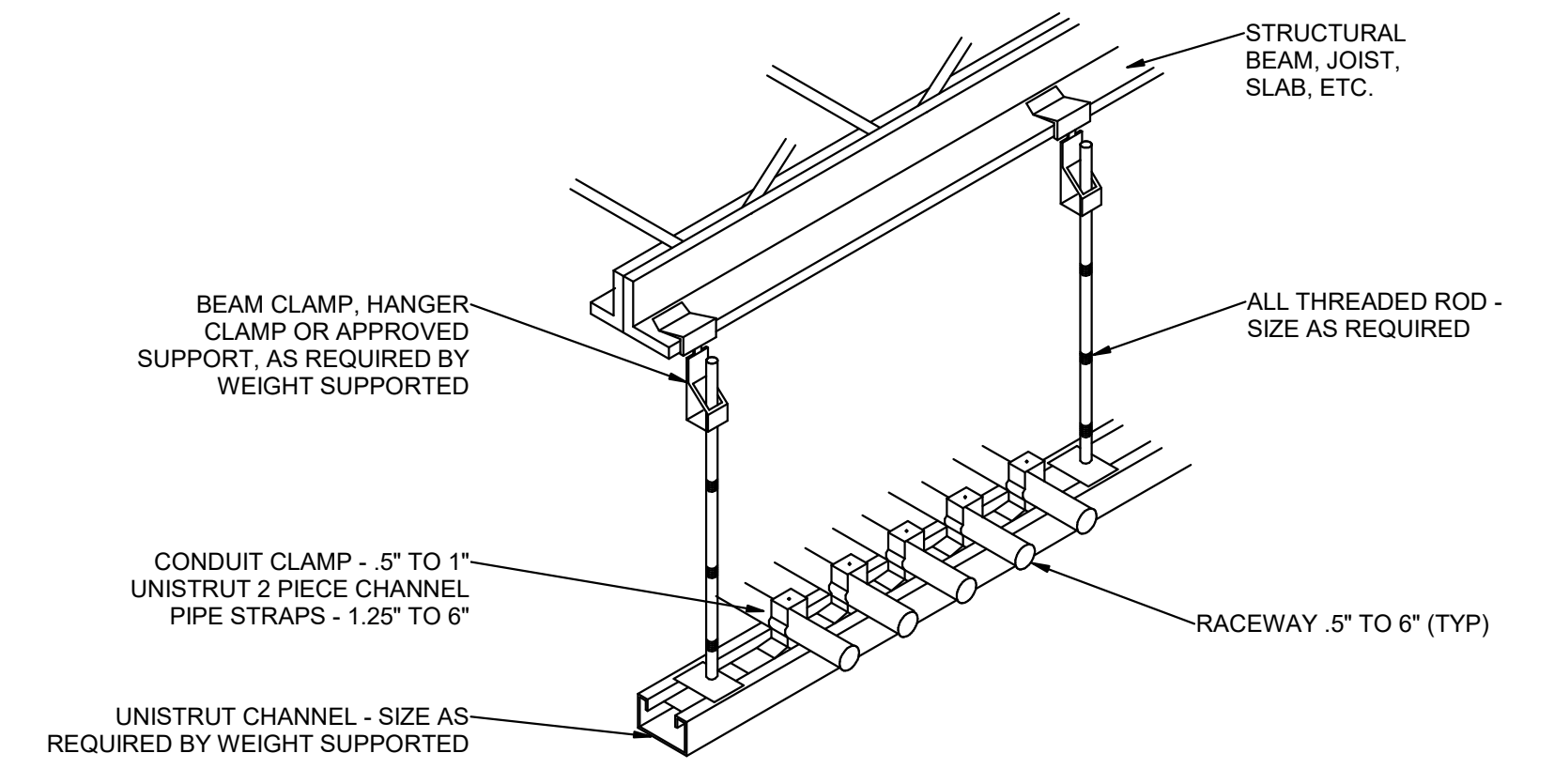
SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>TECHNOLOGY SYSTEMS</b>	
	TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS. EXAMPLES: C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN M = INSULATED MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM Z = SPEAKER CABLE, 8 OHM SYSTEM
	SPEAKER, CEILING MOUNTED.
	SPEAKER, WALL MOUNTED.
	SPEAKER, 4".
	SPEAKER, 6".
	SPEAKER, 8".
	SPEAKER, 12".
	SPEAKER, BLIND MOUNT.
	SPEAKER, EXISTING.
	HORN.
	HORN, WEATHER RESISTANT.
	SPEAKER, MASKING.
	SPEAKER, RECESSED.
	SPEAKER, SURFACE.
	SPEAKER, USER DEFINED.
	SPEAKER, HIGH FREQUENCY.
	SPEAKER, LOW FREQUENCY.
	SPEAKER ENCLOSURE (CLUSTER).
	CALL SWITCH, INTERCOM.
	MICROPHONE, TABLE OR LECTERN MOUNTED.
	EQUIPMENT CABINET.
	MEDIA CONNECTION PLATE.
	AUDIO/VISUAL OUTLET.
	SCREEN, PROJECTION, CEILING MOUNTED.
	PROJECTOR, CEILING MOUNTED.
	VIDEO CONFERENCING CAMERA.
	CONTROL PANEL.
	MICROPHONE INPUT.
	MICROPHONE INPUT, FLOOR MOUNTED.
	REMOTE CONTROL INPUT.
	POWER SWITCH.
	SPEAKER SWITCH OR INPUT.
	SOURCE SWITCH/VOLUME CONTROL.
	TAPE RECORD OUTPUT.
	VOLUME CONTROL.
	HUB CABINET.
	VIDEO MONITOR.
	AUDIO DISTRIBUTION AMPLIFIER.
	AUDIO PATCH PANEL.
	CONNECTION PANEL.
	DIGITAL VERSATILE DISC (DVD) PLAYER.
	ASSISTED LISTENING EMITTER PANEL.
	SIGNAL RELAY DPDT WITH SOCKET.
	LINE DRIVER (VARIZONE DIGITAL PAGING SYSTEM).
	POWER AMP MODULE (VARIZONE DIGITAL PAGING SYSTEM).
	RGBHV DISTRIBUTION AMPLIFIER.
	REMOTE CONTROL PANEL.
	RGBHV MATRIX SWITCHER.
	TRANSIENT VOLTAGE SURGE SUPPRESSOR, AC LINE CONDITIONER.
	VIDEO CASSETTE RECORDER.
	COMPOSITE VIDEO DISTRIBUTION AMPLIFIER.
	COMPOSITE VIDEO MATRIX SWITCHER.
	VIDEO PATCH PANEL.
	S-VIDEO MATRIX SWITCHER.
	AMPLIFIER (ONE-LINE DIAGRAM).
	POWER BRIDGE (VARIZONE DIGITAL PAGING SYSTEM).
	TERMINATOR (VARIZONE DIGITAL PAGING SYSTEM).
	DIODE (ONE-LINE DIAGRAM).
	TRANSFORMER, ISOLATION/MATCHING (ONE-LINE DIAGRAM).
	TRANSFORMER, # WATT (ONE-LINE DIAGRAM).
	MICROPHONE, HANDHELD (ONE-LINE DIAGRAM).
	AUXILIARY INPUT.
	INFRARED SENSOR.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>CLOCK</b>	
	CLOCK.
	CLOCK, SURFACE WITH WIRE GUARD.
<b>NURSE CALL</b>	
	JUNCTION BOX.
	CORRIDOR LIGHT.
	BATHROOM PULL CORD STATION.
	DUTY STATION.
	EMERGENCY ASSISTANCE CALL STATION.
	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
	PATIENT STATION.
	STAFF STATION.
	TOUCH SCREEN NURSE CALL MASTER STATION.
	ZONE LIGHT CONTROLLER.
	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
<b>CCTV</b>	
	CCTV CABLE, POWER.
	CCTV CABLE, VIDEO SIGNAL.
	CCTV HEADEND EQUIPMENT.
	CCTV MONITOR.
	CCTV CAMERA ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
	CCTV CAMERA WITH PAN, TILT AND ZOOM.
	PANNING CAMERA TRANSVERSE ANGLE.
<b>SECURITY</b>	
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
	ACCESS CONTROL HEADEND EQUIPMENT.
	SECURITY CONTROL PANEL.
	INTRUSION DETECTION HEADEND EQUIPMENT.
	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.
	KEYPAD/CARD READER COMBINATION.
	DOOR SWITCH, BALANCED MAGNETIC CONTROL.
	EXIT REQUEST.
	REMOTE DOOR RELEASE BUTTON.
	BELL.
	BUZZER.
	BUZZER, COMBINATION BELL.
	SENSOR, BURIED VEHICULAR.
	SENSOR, GLASS BREAK.
	SENSOR, VOLUMETRIC.
	CONTROLLED ACCESS POINT.
	INTERCOM STATION.
	DUAL TECHNOLOGY PASSIVE INFRARED SENSOR AND ULTRASONIC MOTION DETECTOR.
	PASSIVE INFRARED SENSOR.
	PANIC DURESS SWITCH.
	ULTRASONIC MOTION DETECTOR.
	ANNUNCIATOR PANEL.
	MASTER STATION, INTERCOM.
<b>TV DISTRIBUTION</b>	
	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
	TV DISTRIBUTION CABLE, TRUNK.
	COMBINER.
	DIRECTIONAL COUPLER.
	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.
	SATELLITE ANTENNA.
	TV ANTENNA (ONE-LINE DIAGRAM).
	TERMINATOR, 75 OHM (TV DISTRIBUTION).

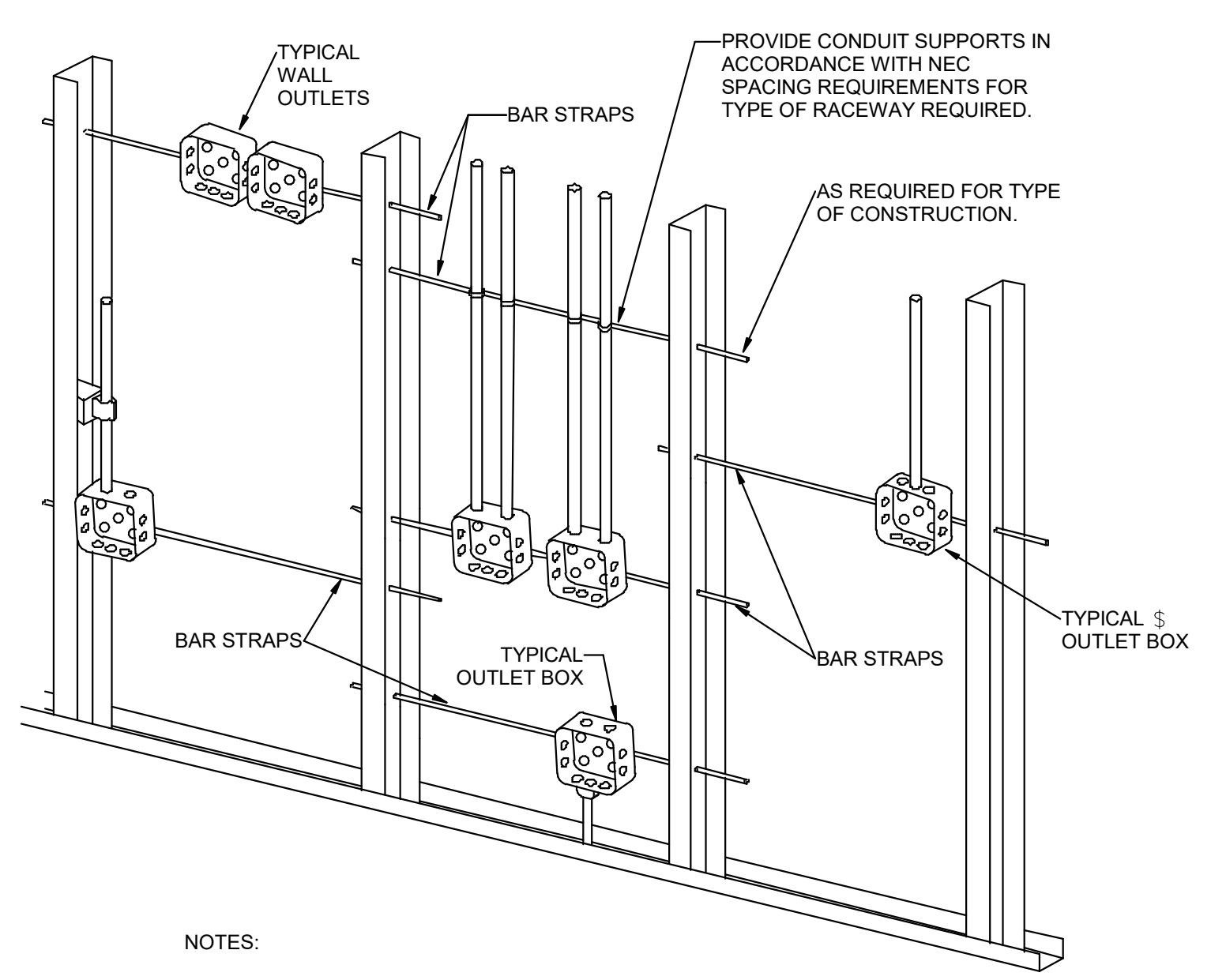




4 ENDO ROOM CABLE PLAN  
SCALE: 1/8" = 1'-0"

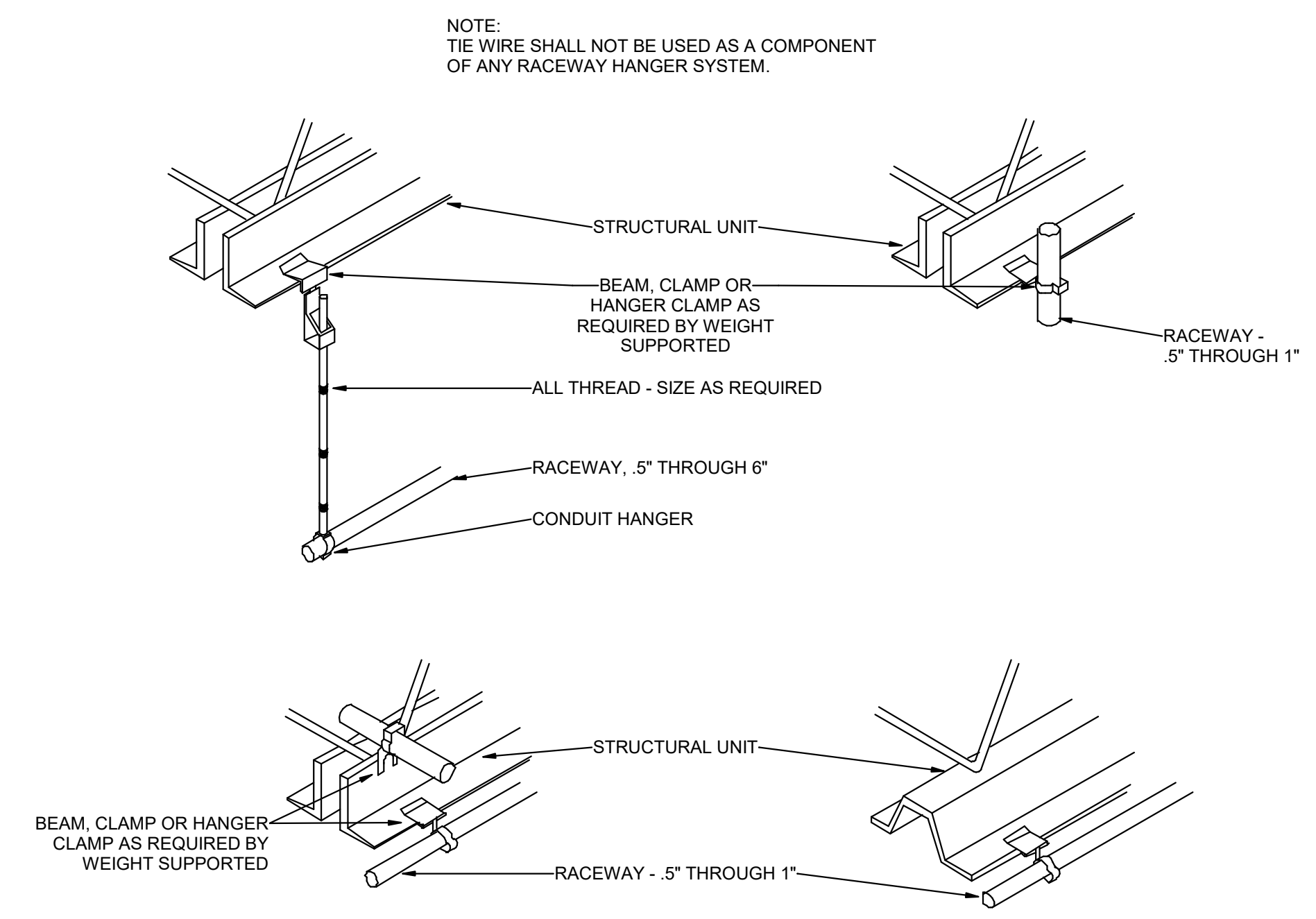


3 TYPICAL CONDUIT RACK DETAIL  
SCALE: 1/8" = 1'-0"



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

1 TYPICAL ROUGH-IN REQUIREMENTS DETAIL  
SCALE: 1/8" = 1'-0"



2 TYPICAL RACEWAY SUPPORT METHODS DETAIL  
SCALE: 1/8" = 1'-0"



## ELECTRICAL SCHEDULE

LOCATION	PURPOSE	CIRCUIT TYPE	QTY	JUNCTION BOX	TYPE
MOUNT A	PENDANT OUTLETS	EMERGENCY 20A	5	CUSTOMER	PER NEC

QTY	DESCRIPTION
A 1	HIS-15 EQUIPMENT ROOM
B 1	XHS MONITOR ARM
C 1	XHS08 MONITOR ARM

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT

**GETINGE**

SCALE: NTS

DRAWING NUMBER: M1689-007

REVISION LEVEL: H

PAGE #: E11

GENERAL O.R. ELECTRICAL SCHEDULE

## MODUEVO PENDANT ELECTRICAL

**NOTES:**

- CUSTOMER'S DESIGN ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN, INCLUDING CODE COMPLIANCE, OF ALL FACILITY SERVICES UP TO GETINGE SUPPLIED EQUIPMENT.
- ADDITIONAL 120VAC/20AMP CIRCUIT FOR EACH CEILING SERVICE UNIT REQUIRED TO UTILIZATION OUTLET BOX, SUPPLIED BY GETINGE, FOR ELECTRO-MAGNETIC BRAKES, AMBIENT LIGHT, MOTOR UNITS, AND/OR ACCESSORIES. RECOMMEND THIS BE TAPPED OFF OF A CIRCUIT THAT IS NOT PART OF THE EMERGENCY SYSTEM. CONSULT LOCAL CODES FOR REQUIREMENT TO CONNECT TO A DEDICATED CIRCUIT.

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT

**GETINGE**

SCALE: NTS

DRAWING NUMBER: M1689-007

REVISION LEVEL: H

PAGE #: E21

GENERAL O.R. ELECTRICAL DETAIL

## SURGICAL LIGHT ELECTRICAL

**NOTES:**

- J-BOXES, ROUGH-IN WALL BOXES, AND CONDUIT SUPPLIED BY CUSTOMER OR CONTRACTOR. TYPE AND QUANTITY DETERMINED BY LOCAL CODE AND WIRE SIZES. RECOMMEND 3/4" CONDUIT.
- MULTIMEDIA SYSTEMS MAY REQUIRE 2 OR MORE RUNS OF CONDUIT AND ADDITIONAL J-BOXES OR NEMA BOXES, BY CUSTOMER OR CONTRACTOR TO ACCOMMODATE ALL WIRING. CONSULT WITH INTEGRATOR CONTRACTOR FOR SPECIFICS.
- ADDITIONAL 120V/20A SOURCES ARE REQUIRED FOR FLAT PANEL OR OTHER DISPLAYS.
- UNLESS OTHERWISE SPECIFIED, ALL WIRING EXTERNAL TO GETINGE SUPPLIED EQUIPMENT, INCLUDING VIDEO SIGNAL, AND CABLING FOR INTERFACE TO MULTIMEDIA SYSTEMS ARE TO BE SUPPLIED BY CUSTOMER OR CONTRACTOR.
- THE J-BOX MUST BE WITHIN 3' OF THE CENTER SUSPENSION MOUNT ADJACENT TO THE ACCESS PANEL.

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT

**GETINGE**

SCALE: NTS

DRAWING NUMBER: M1689-007

REVISION LEVEL: H

PAGE #: E22

GENERAL O.R. ELECTRICAL DETAIL

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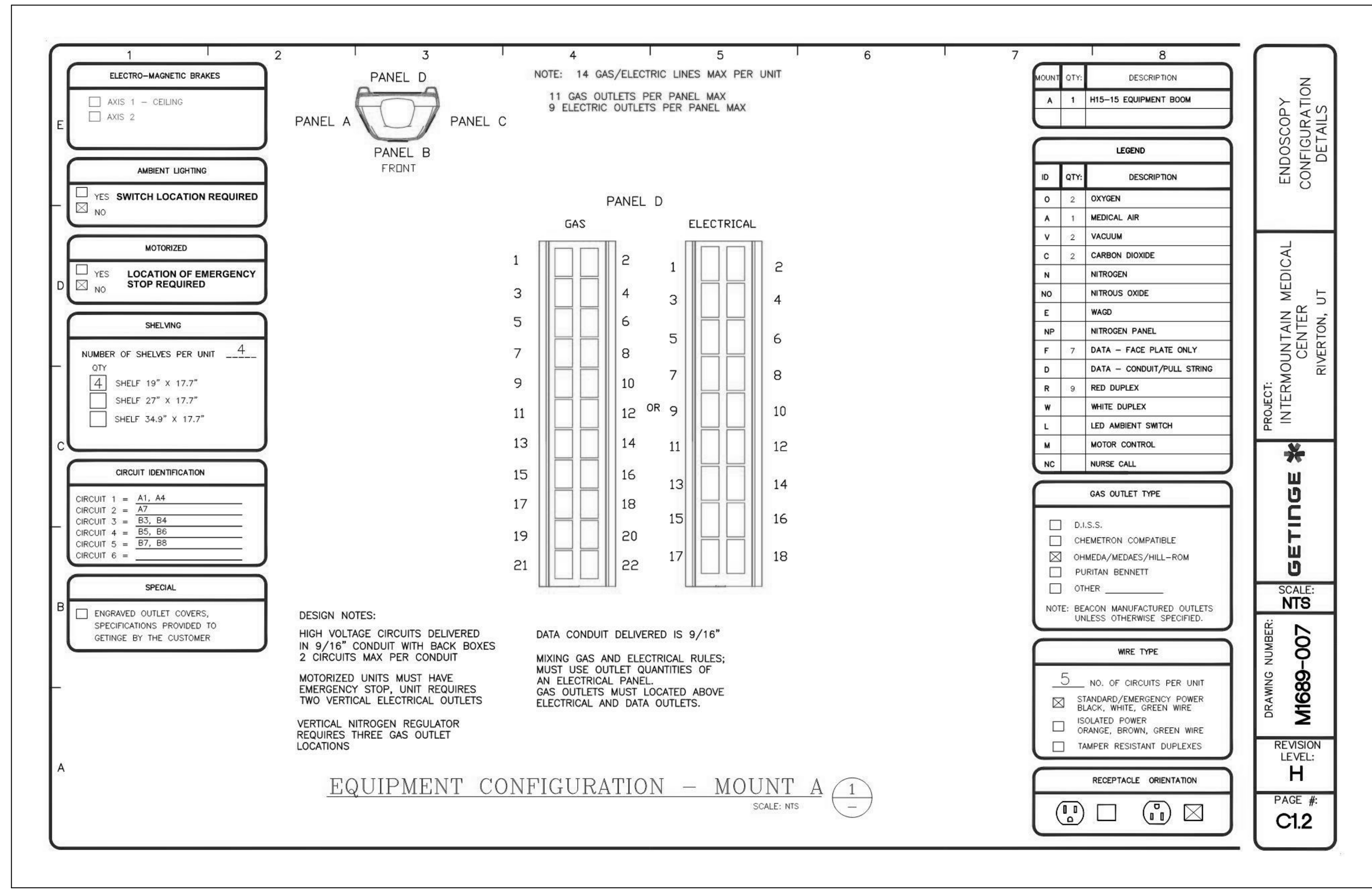
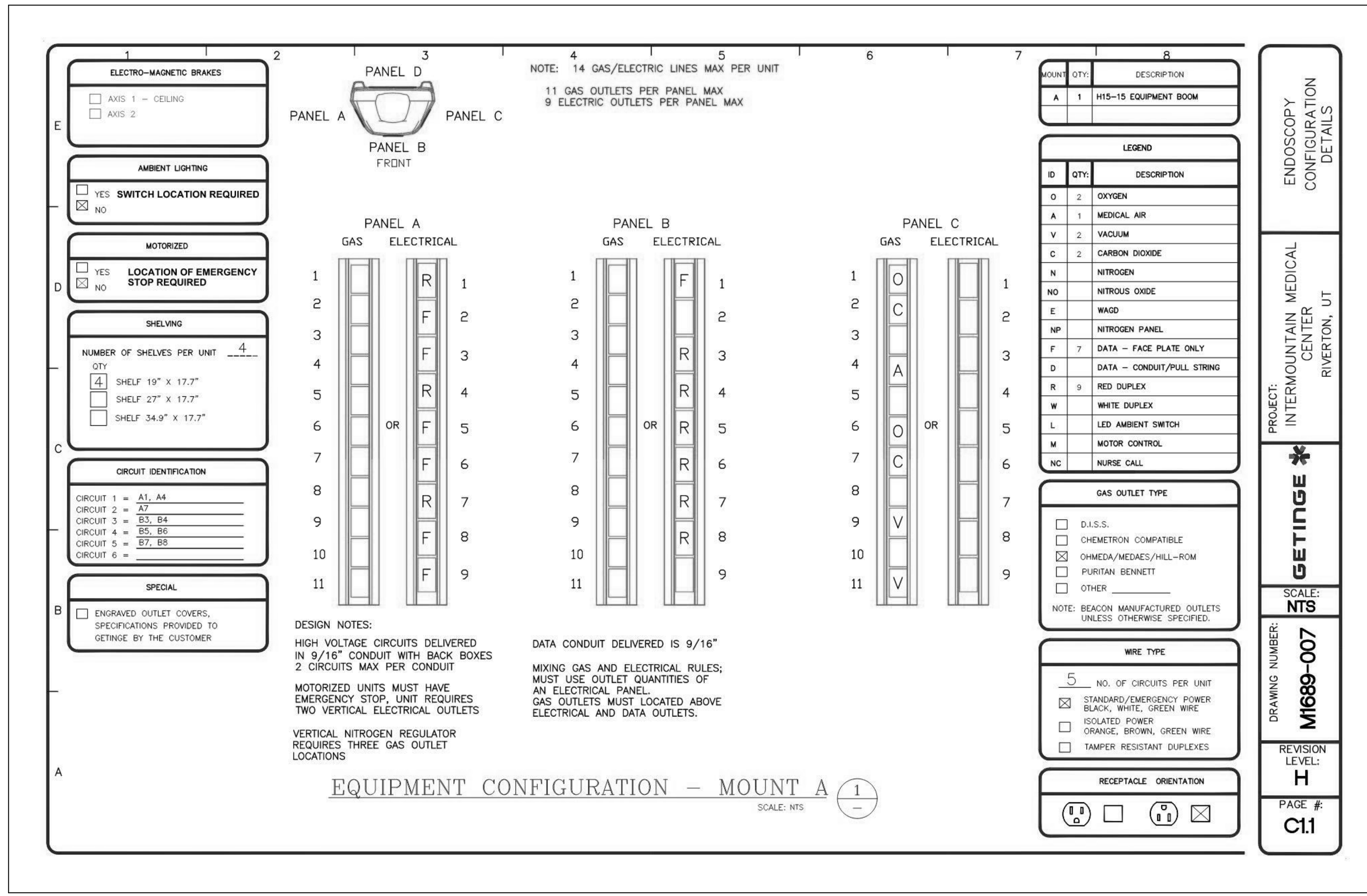
Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

3741 West 12600 South  
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NJRA Project # 21211.00  
Construction Documents Feb 7, 2022

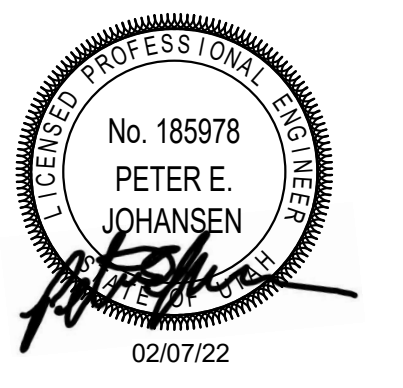
GENTIGE DRAWINGS

EE502



Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

3741 West 12600 South  
Riverton, UT 84065



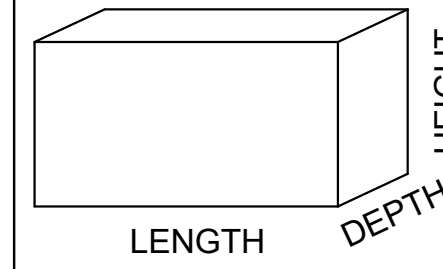
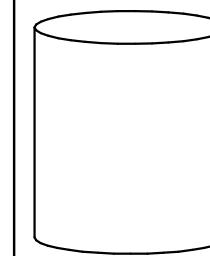
INTERIOR LIGHTING FIXTURE SCHEDULE

ABBREVIATIONS

GENERAL NOTES

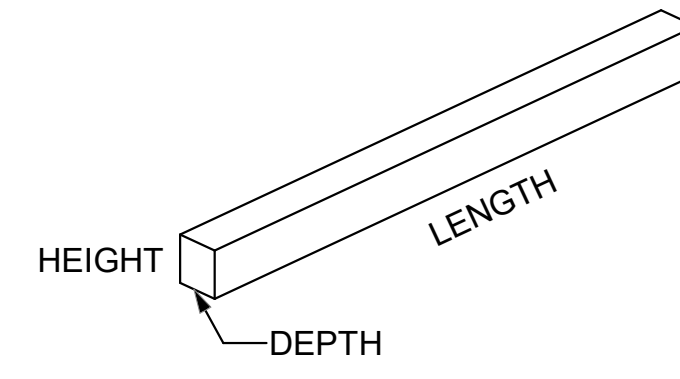
**MOUNTING**

- B - BASE
- C - CEILING
- F - FLANGE
- G - GRID
- P - PENDANT
- PL - POLE
- R - RECESSED
- S - SURFACE
- W - WALL



**LUMINAIRE OPTIONS**

- ARHR - AIR RETURN AND HEAT REJECTION
- DL - DAMP LOCATION
- EOC - EARTHQUAKE CLIPS
- F - FUSING
- HLD - HINGED AND LATCHED DOOR
- HS - HOUSE SIDE SHIELD
- PS - PHOTOCELL SWITCH
- QRS - QUARTZ RESTRIKE
- ST - STATIC
- WG - WIRE GUARD
- WL - WET LOCATION



**FINISH**

- MW - MATTE WHITE
- BL - BLACK
- SL - SILVER
- GL - GOLD
- CL - CLEAR
- PW - PAINTED WHITE
- EA - EXTRUDED ALUMINUM
- S - STEEL
- GS - GALVANIZED STEEL
- C - CAST
- CBA - COLOR BY ARCHITECT
- SCBA - STANDARD COLOR BY ARCHITECT
- CCA - CUSTOM COLOR BY ARCHITECT
- FS - MEETS FEDERAL STANDARD 209D
- TP - THERMALLY PROTECTED
- FL - FLUSH
- R - REGRESS
- M - MITERED

**NOTES**

**DIFFUSER/LENS**

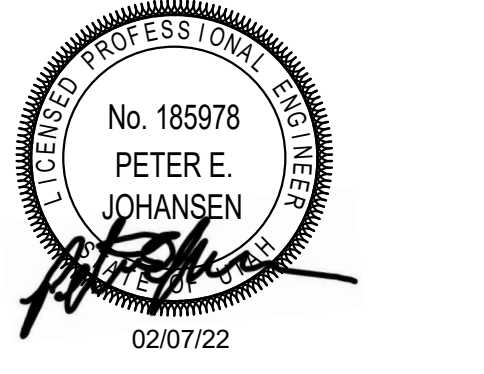
- AA - ACRYLIC #THICK
- ROA - ACRYLIC #THICK (OPAL)
- GC - GLASS (CLEAR)
- GD - GLASS (OPAL)
- GF - GLASS (FROSTED)
- SQL - SOFT GLOW LENS
- HPL - HIGH PERFORMANCE LENS
- DO - DROP OPAL
- CGL - CONVEX GLASS LENS
- S - SATIN LENS

**REFLECTOR**

- OP - NONE/OPEN
- SP - SPECULAR
- SS - SEMI-SPECULAR
- D - DIFFUSE (WHITE ENAMEL)
- SC - SPECULAR (COLORED)
- PR - PRISMATIC
- FDR - FULL DEPTH REFLECTOR
- DS - DIFFUSE (SEMI SPECULAR) SILVER
- LI - LOW IRRIDESCENT
- IR - IRRIDESCENT
- SL - SILVER
- GL - GOLD
- CA - CLEAR ALZAK

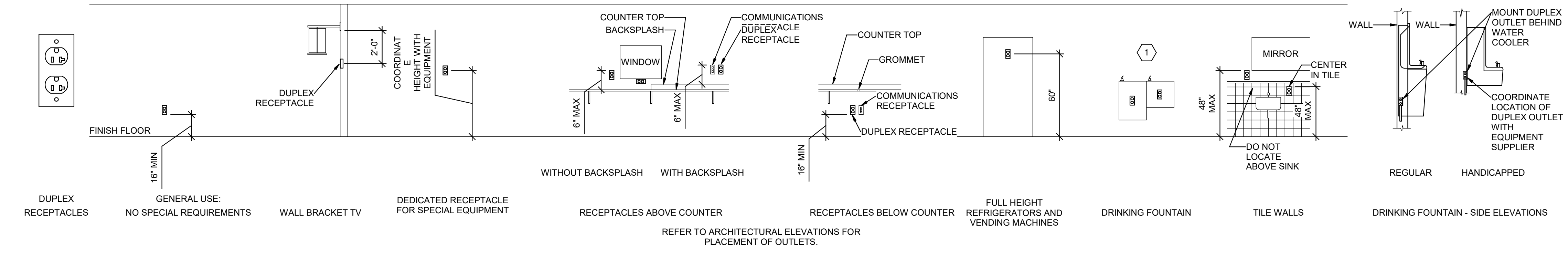
1. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER.
2. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.
3. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING. THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
4. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
5. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
6. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
7. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
8. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS.
9. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.

ID	DESCRIPTION	NOMINAL SIZE				MOUNTING	TYPE	COLOR TEMP	CRI	DRIVER CONFIGURATION	VOLTAGE	WATTS	FINISH	FIXTURE LUMENS	DIFFUSER/LENS	REFLECTOR	OPTIONS	NOTES	MANUFACTURER (CATALOG SERIES)			
		LENGTH	DEPTH	HEIGHT	DIAMETER/APERTURE														OPTION 1	OPTION 2	OPTION 3	
(GF-101)	2' X 4' LED SURGICAL TROFFER, PROVIDE FLANGE KIT	4' - 0"	0' - 2"	-	-	CR	LED	3500K		0-10V DIMMING (10%)	120/277	200		16000			FLANGE KIT			KENALL (M4SEDI-14-76L39K-DCC-DV-2F-PAH-ASYM (LEL))	KURTZON (ML-EF-5-2X4-3-LEDH-35-277-1ICIR)	NEW STAR (SSF24-HCOC-L8351-A-U-NDM)
(GF-102)	2' X 2' LED SURGICAL TROFFER, PROVIDE FLANGE KIT	2' - 0"	2' - 0"	-	-	CR	LED	3500K		0-10V DIMMING (10%)	120/277	100		8000			FLANGE KIT			KENALL (M4SEDI-14-76L39K-DCC-DV-2F-PAH-ASYM (LEL))	KURTZON (ML-EF-5-2X2-3-LEDH-35-277-1ICIR)	NEW STAR (SSF24-HCOC-L8351-A-U-NDM)

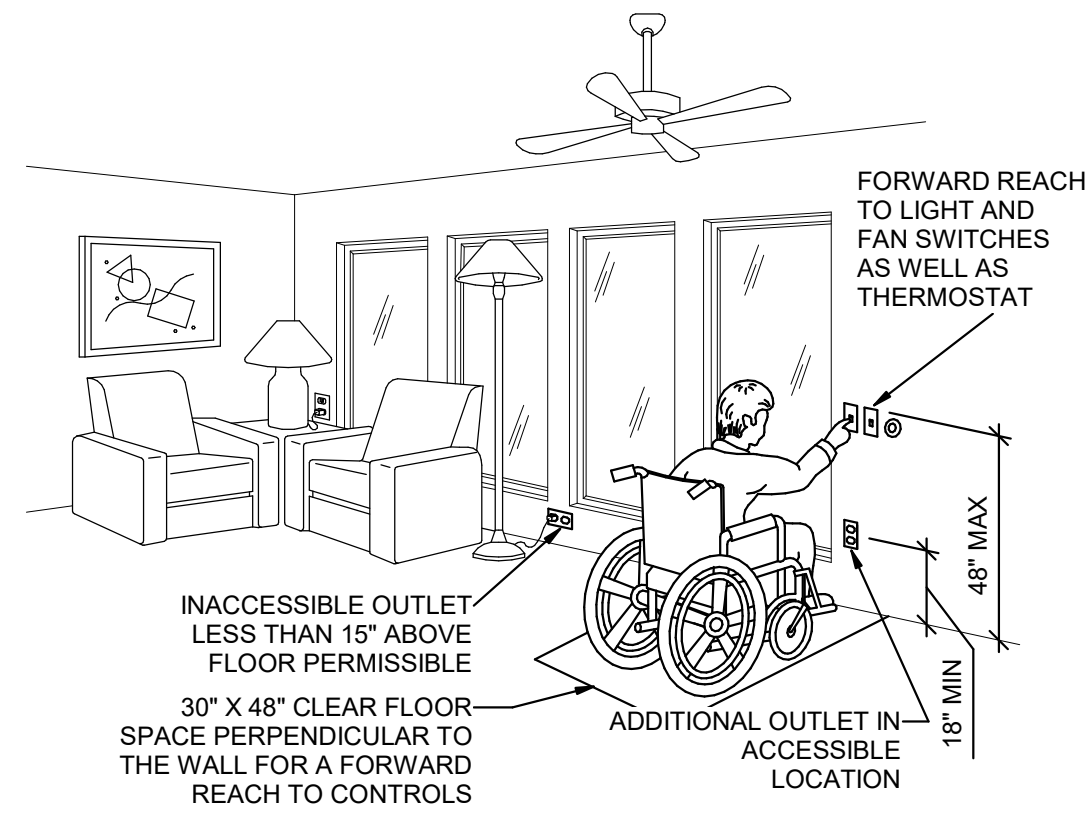


**GENERAL SHEET NOTES**

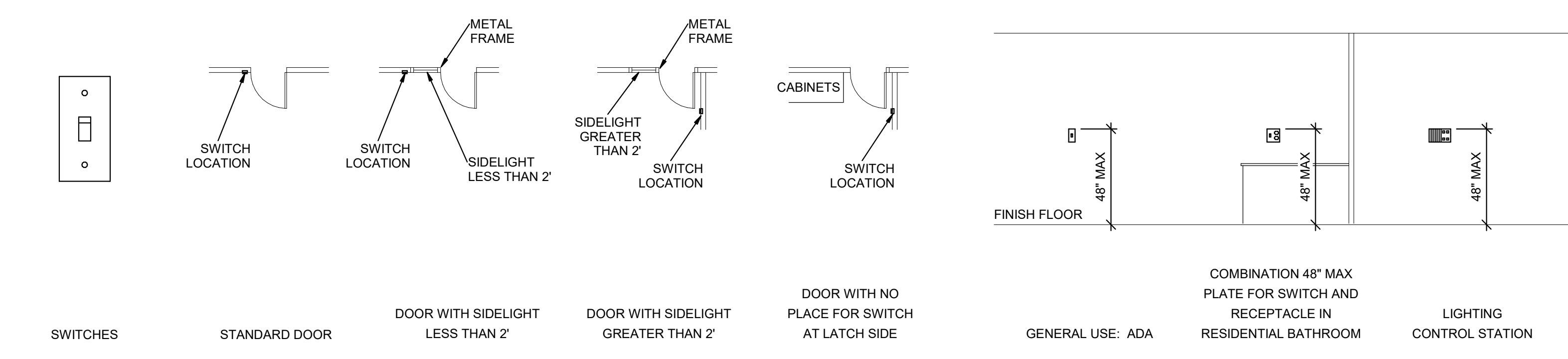
1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:  
1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC.)  
2 - EQUIPMENT SHOP DRAWINGS.  
3 - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT OF THE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



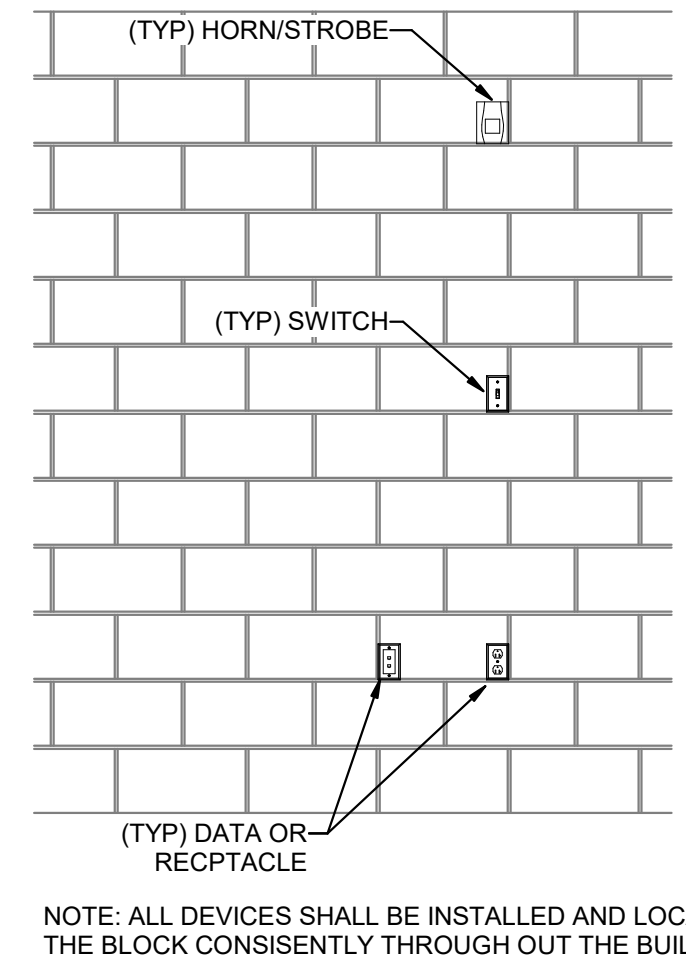
**9 RECEPTACLE MOUNTING DETAILS**  
SCALE: NTS



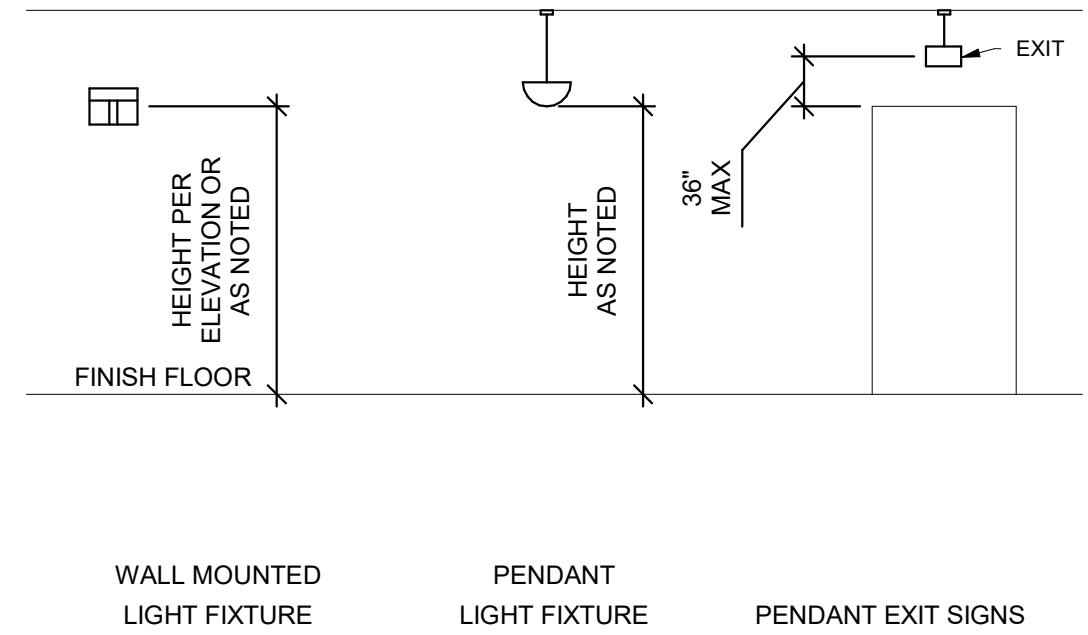
**7 ADA DETAIL**  
SCALE: NTS



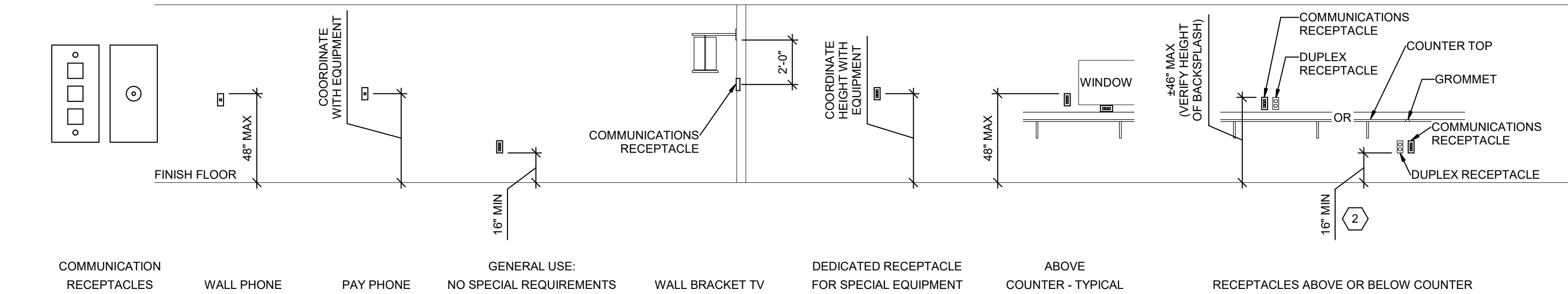
**8 SWITCH MOUNTING DETAILS**  
SCALE: NTS



**4 CMU DEVICE MOUNTING ALIGNMENT DETAIL**  
SCALE: NTS



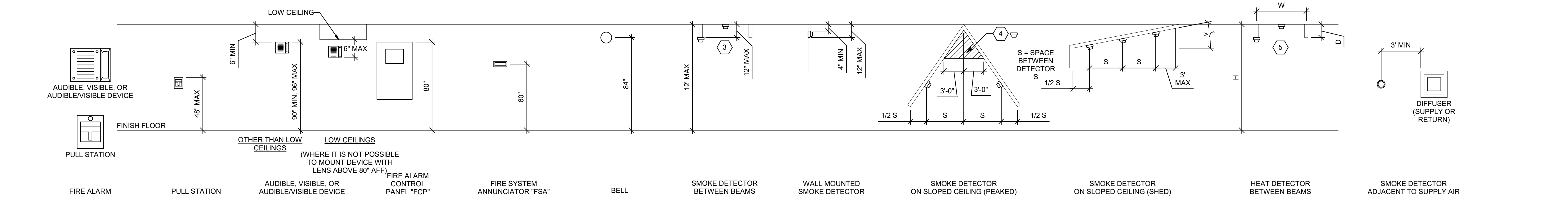
**5 LIGHTING MOUNTING DETAILS**  
SCALE: NTS



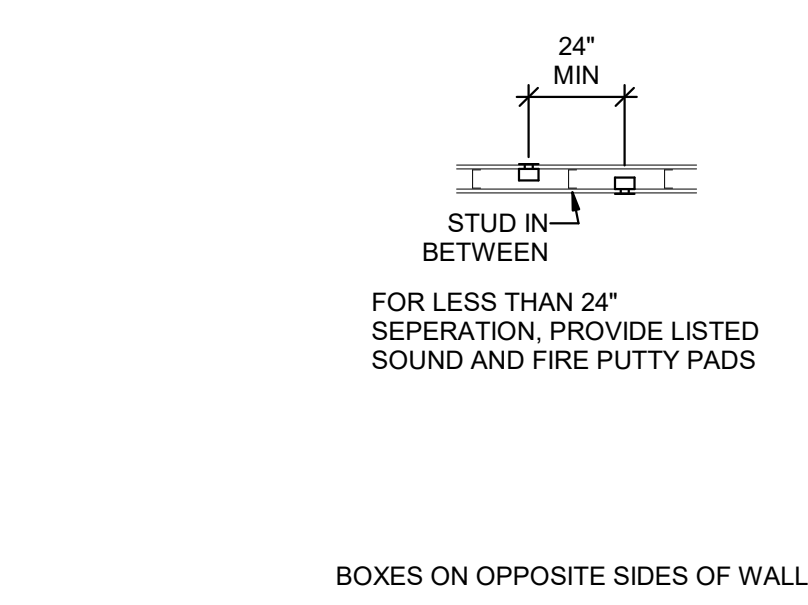
**6 COMMUNICATIONS MOUNTING DETAILS**  
SCALE: NTS

**SHEET KEYNOTES**

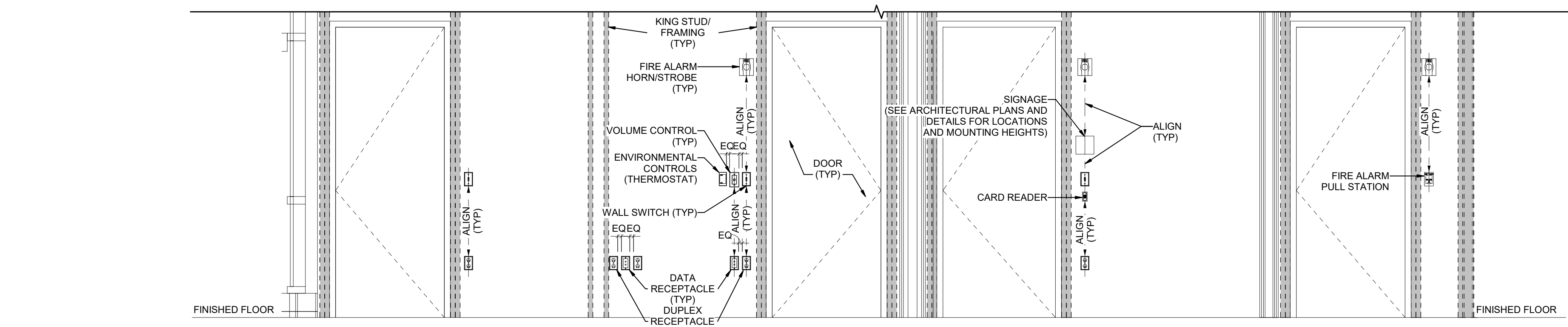
1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < 1 OR W/H < 4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.



**3 FIRE ALARM MOUNTING DETAILS**  
SCALE: NTS



**1 BOX MOUNTING DETAILS**  
SCALE: NTS



**2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL**  
SCALE: NTS

Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

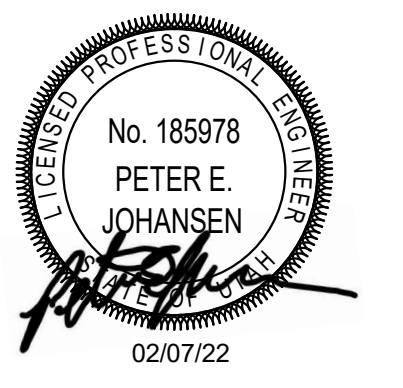
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Riverton, UT 84065

NJRA Project # 21211.00  
Construction Documents Feb 7, 2022

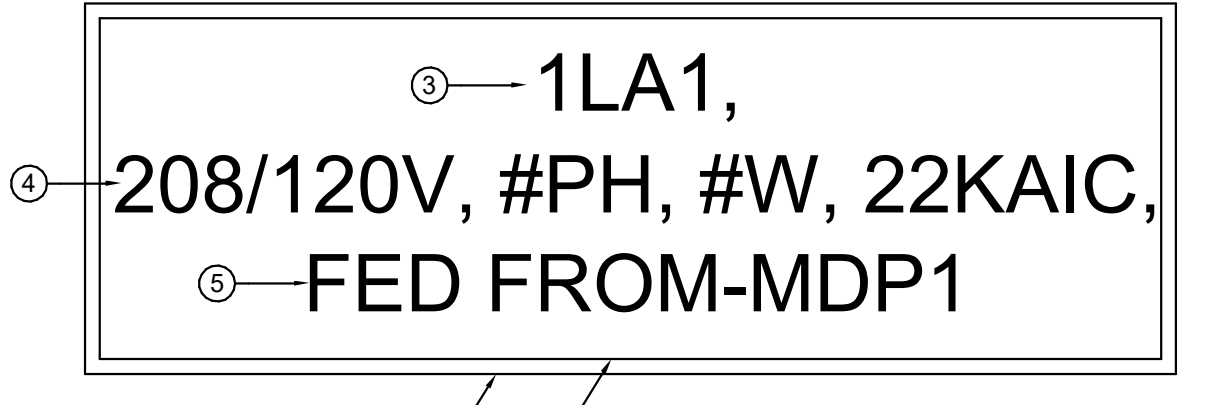
TYPICAL MOUNTING HEIGHT DETAILS

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- ① LABEL TO BE PROVIDED AT EACH SWITCHBOARD, PANELBOARD, DISCONNECT/STARTER, LABEL IS TO BE 3" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH.
- ② LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
- ③ FIRST LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. REPLACE THE LETTERNUMBER WITH THOSE FOUND ON THE ONE-LINE DIAGRAM.
- ④ SECOND LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF DEVICE.
- ⑤ THIRD LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. PROVIDE "FED FROM-" AND REPLACE MDP1 WITH THE DEVICES NAME THAT FEEDS THE PANELBOARD.

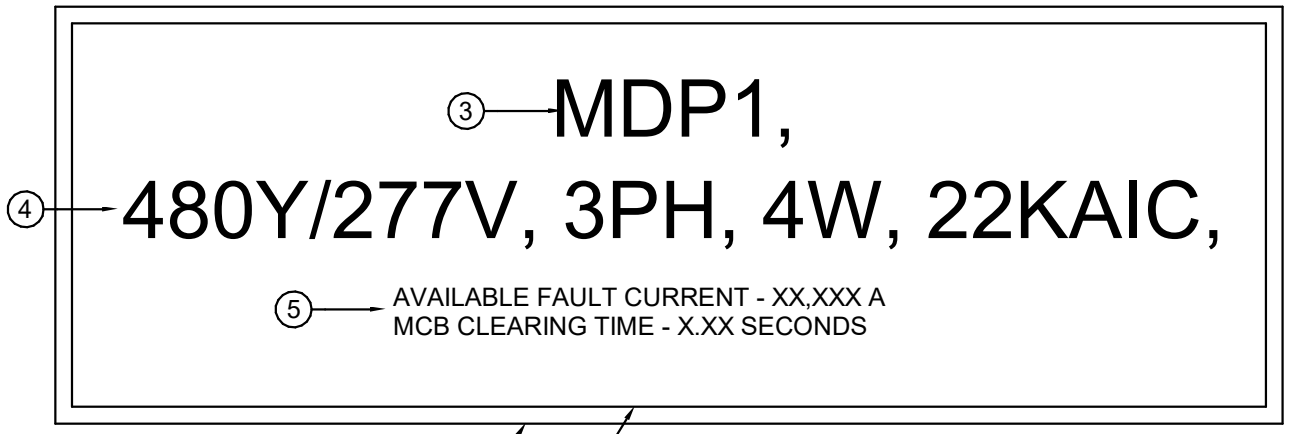


NOTE: EMERGENCY PANELS SHALL USE LAMACOID WITH RED OUTERPLY. EXPOSING WHITE LETTERING BENEATH. CONTRACTOR TO USE SAME LABEL SCHEME EXCEPT FIRST 'X' IS REPLACED WITH 'E' FOR EMERGENCY. SECOND 'X' TO BE 'L' FOR LOW OR 'H' FOR HIGH VOLTAGE (480/277V). LAST 'W' TO BE REPLACED WITH LETTER INDICATING LOCATION OF PANEL.

3 TYPICAL PANELBOARD/SWITCHBOARD LABEL

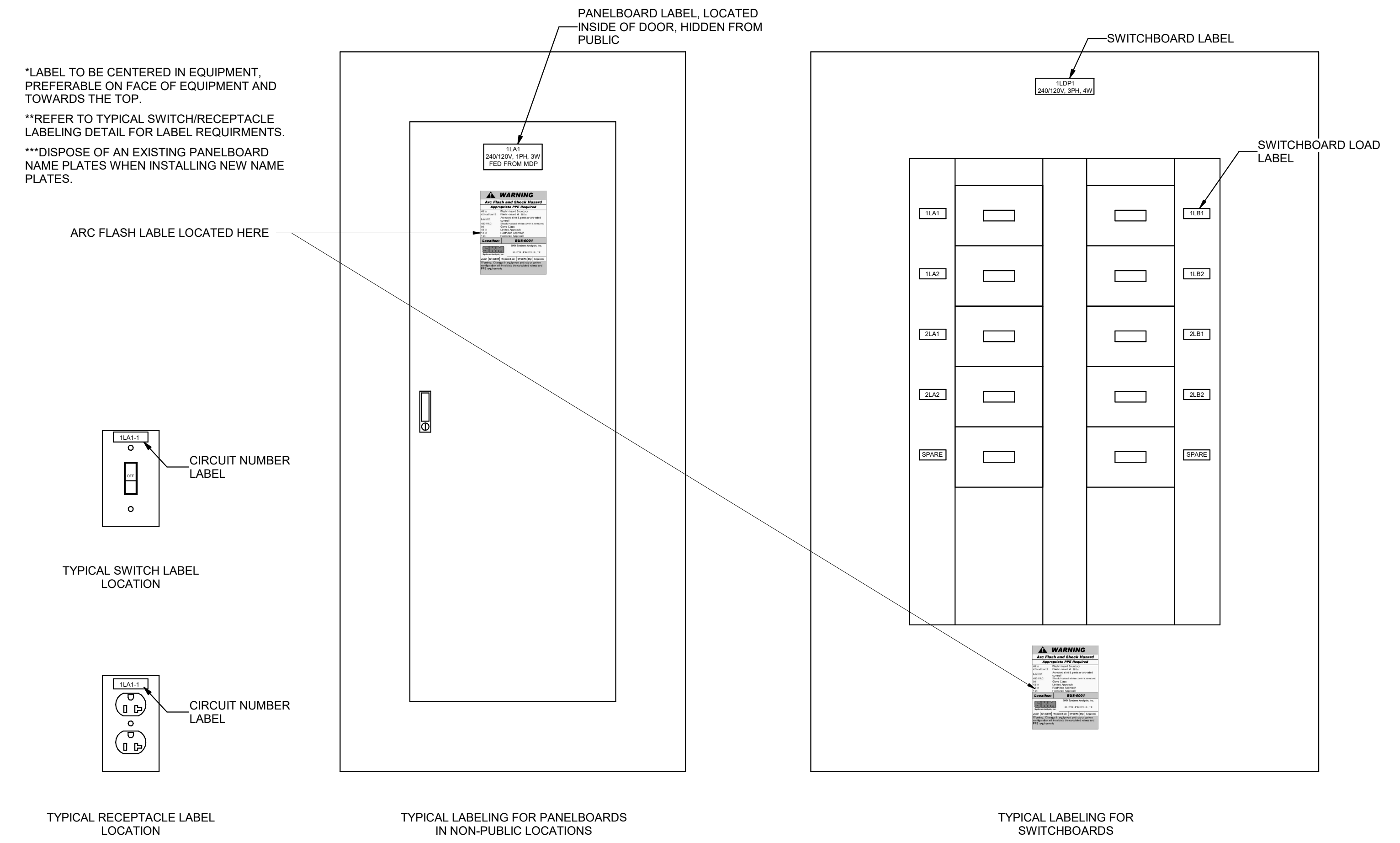
SCALE: NTS

- ① LABEL TO BE PROVIDED THAT IS TO BE 4" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH.
- ② LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
- ③ FIRST LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, WITH THE EQUIPMENT ID MATCHING PLANS.
- ④ SECOND LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF GEAR.
- ⑤ THIRD & FOURTH LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. LABEL WITH ACTUAL AVAILABLE FAULT CURRENT AND ASSOCIATED CLEARING TIME.



2 TYPICAL MAIN SERVICE EQUIPMENT/GEAR LABEL

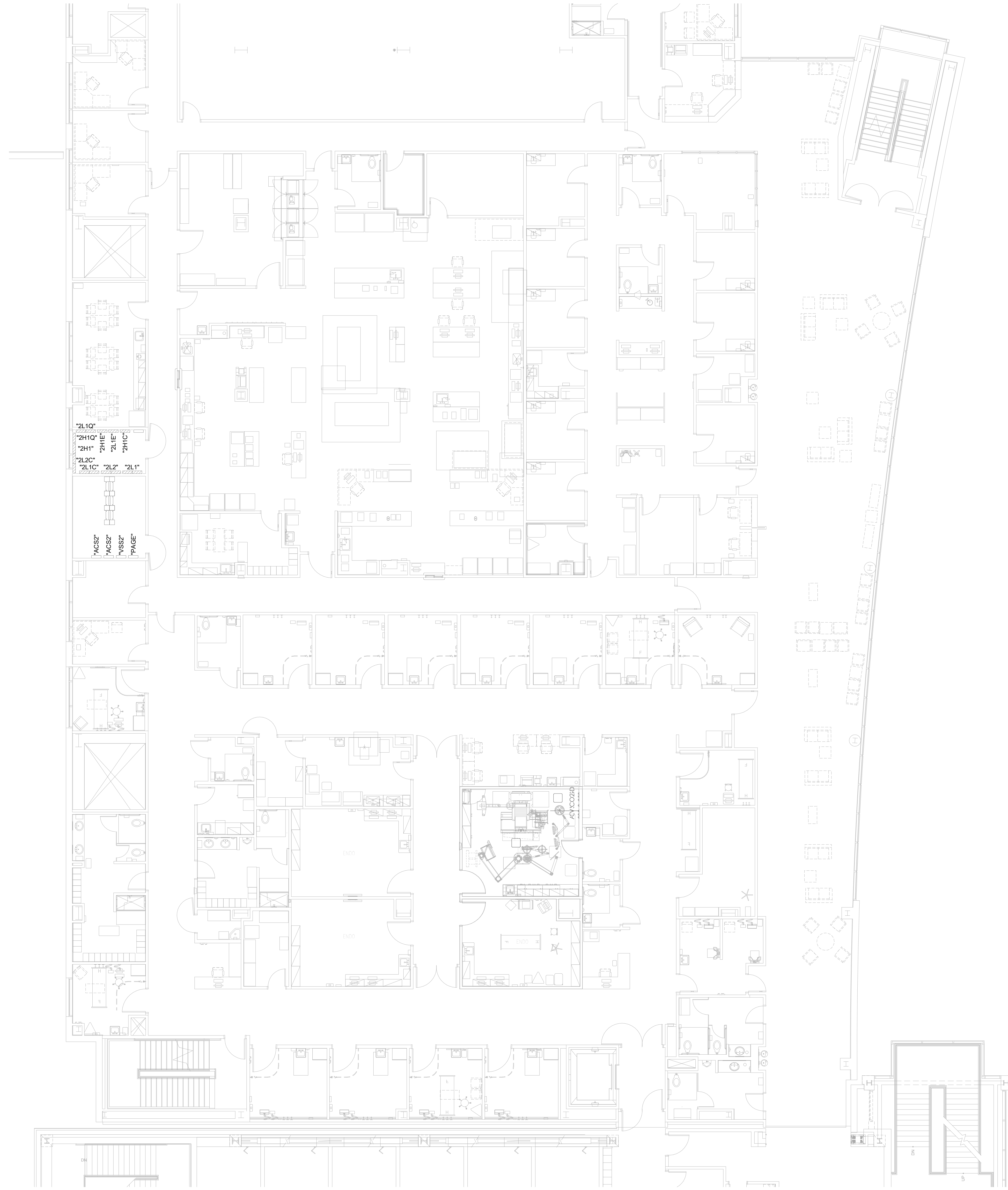
SCALE: NTS



1 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD LABELING LOCATION DETAIL

SCALE: NTS

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1 OVERALL POWER PLAN LEVEL 2  
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES



NJRA Architects, Inc.  
5272 S. College Drive, Suite 104  
Murray, Utah 84123  
801.364.9259  
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Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

3741 West 12600 South  
Riverton, UT 84065

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OVERALL  
POWER PLAN  
LEVEL 2

EP102

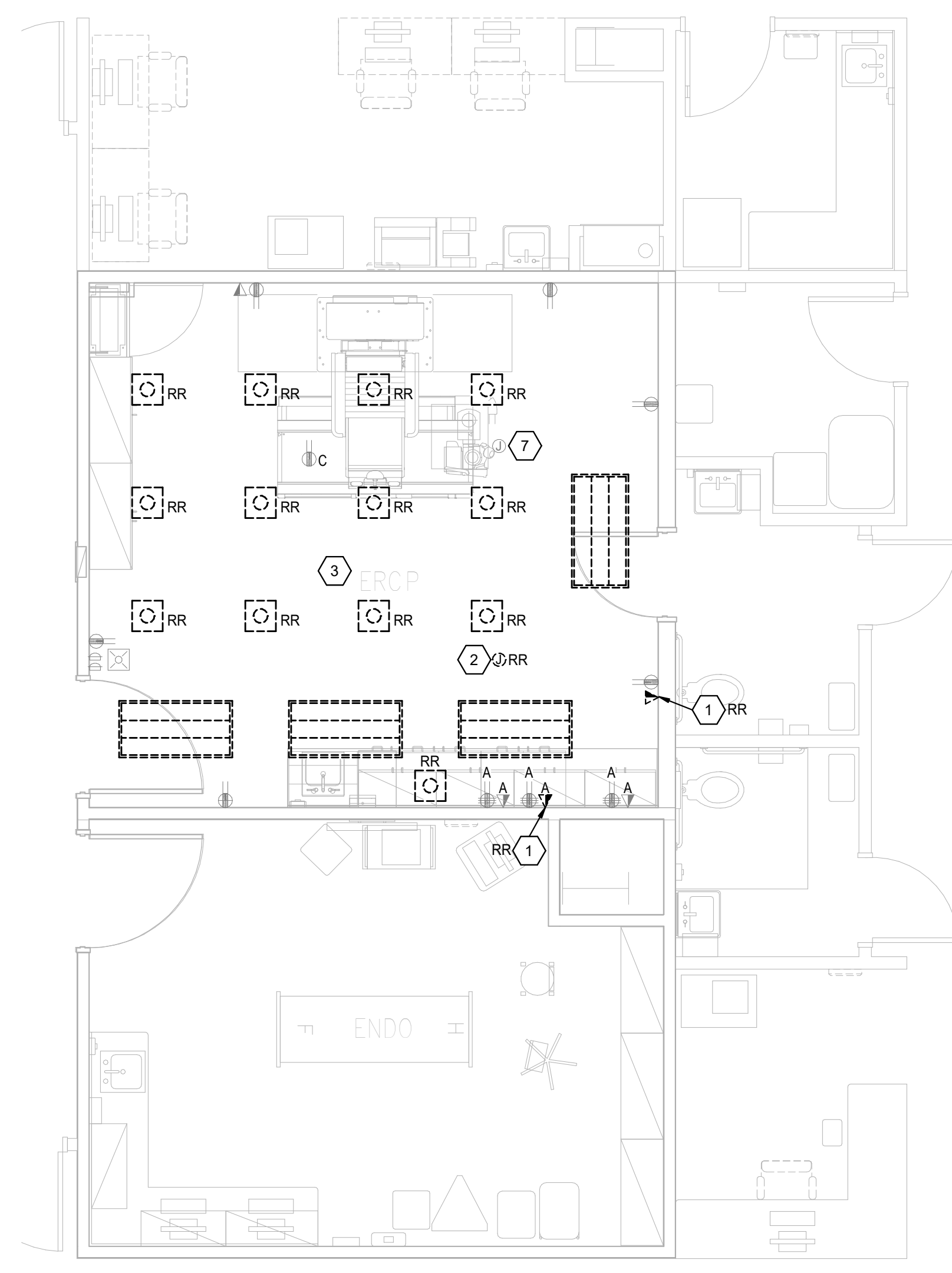


**GENERAL SHEET NOTES**

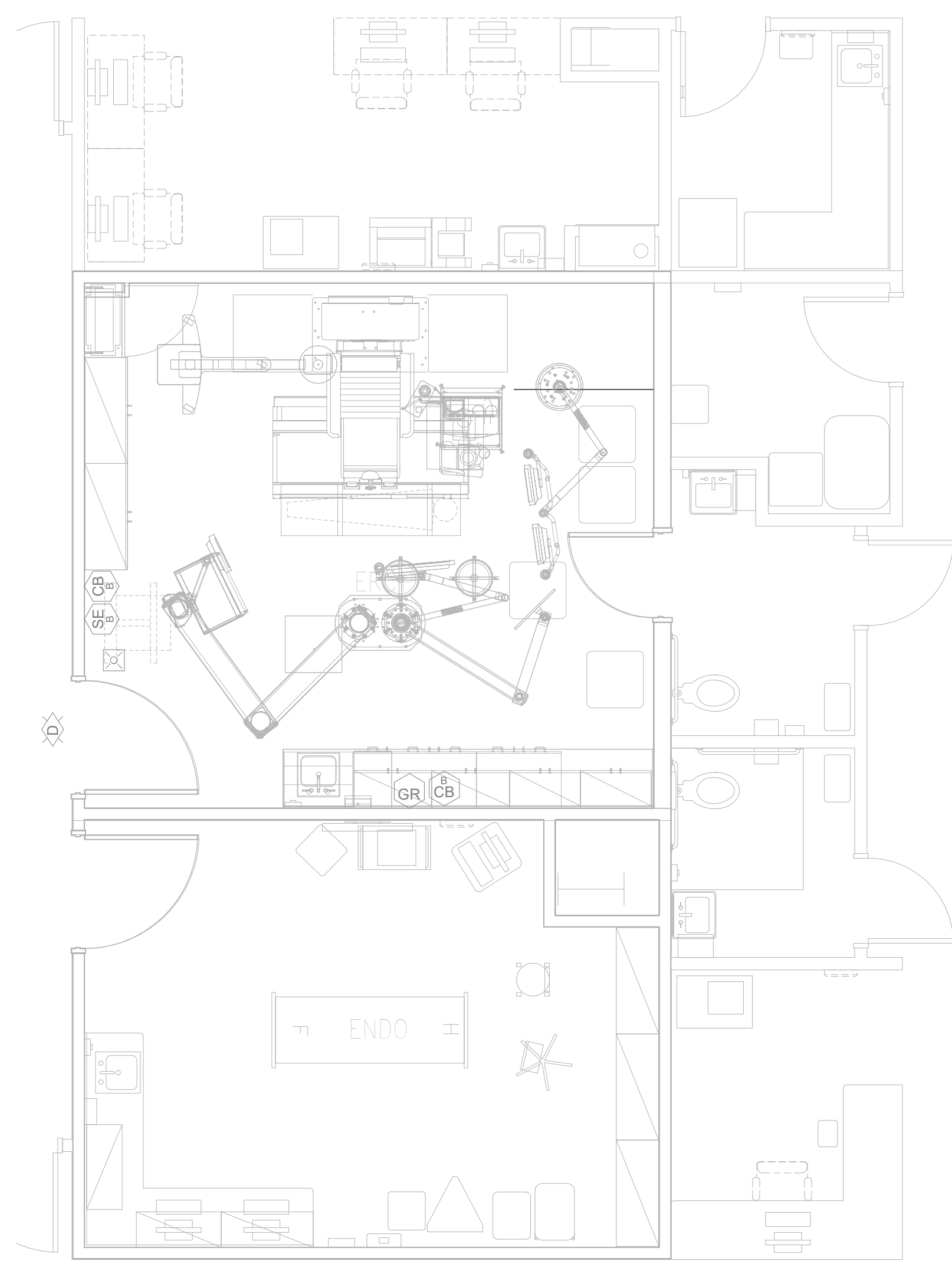
- UNLESS OTHERWISE INDICATED, REMOVE ALL LIGHTING FIXTURES, OUTLETS, DEVICES AND EQUIPMENT IN HATCHED AREAS. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGIN. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH THAT CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS. DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED.
- UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- SALVAGE ALL POWER POLES, LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, REROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

**SHEET KEYNOTES**

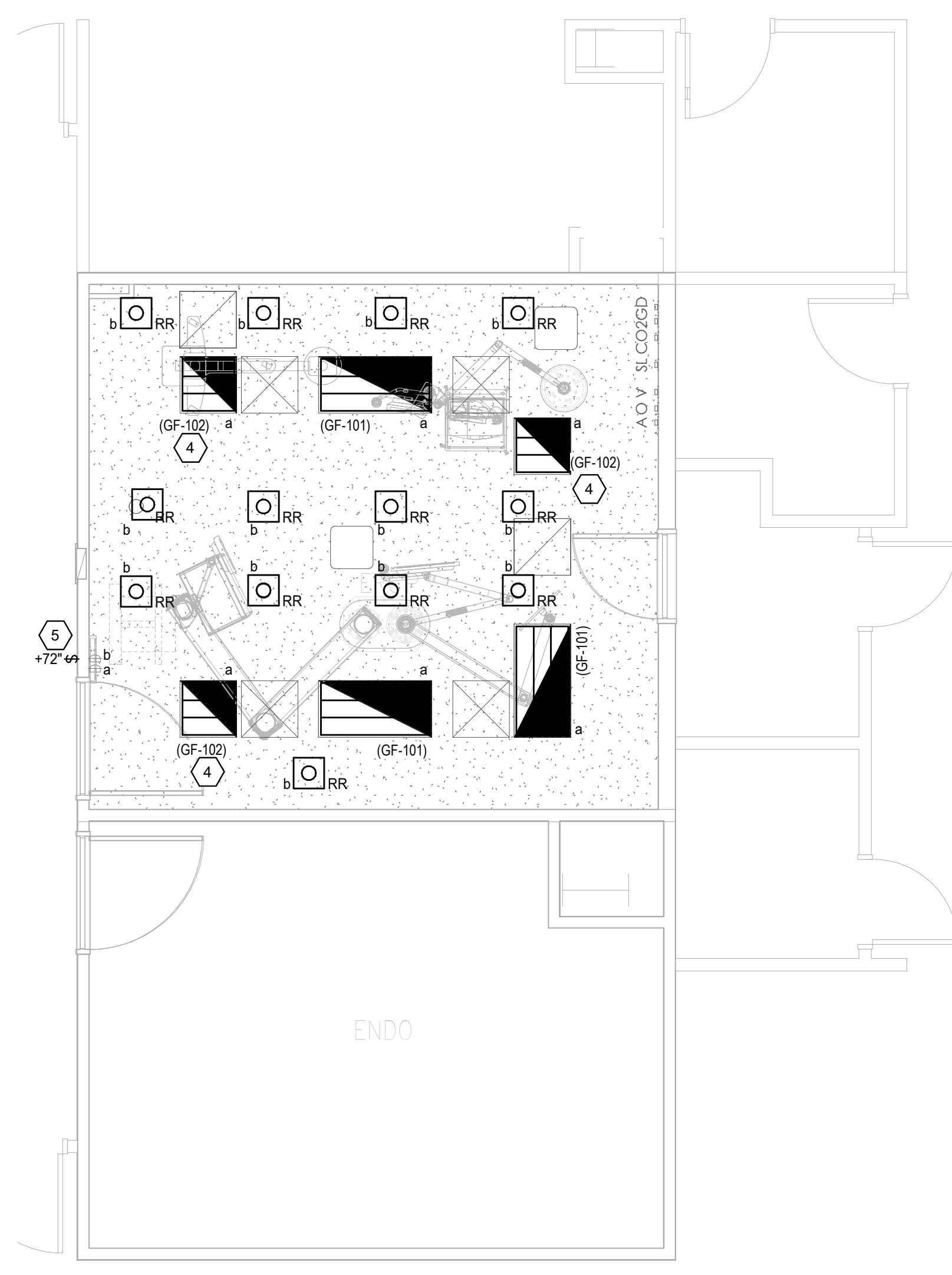
- RELOCATE THE TWO DATA DROP SERVING THIS RECEPTACLE TO THE NEW EQUIPMENT BOOM. PROVIDE A COVER PLATE FOR REMAINING J-BOX.
- EXISTING CIRCUITING IN J-BOX ABOVE CEILING TO BE RELOCATED TO BOOMS.
- INCLUDE IN BID TO TAKE DOWN CEILING LIGHT FIXTURES. TO ALLOW BOOM INSTALLATION. THEN REINSTALL LIGHT FIXTURES IN NEW CEILING. MAINTAIN EXISTING CIRCUITING AND CONTROLS.
- PROVIDE BATTERY PACK IN NEW 2X2 FIXTURE.
- PROVIDE KEYED SWITCH OUTSIDE PROCEDURE ROOM AT 72" FOR TESTING BATTERY PACK.
- RELOCATE FOUR DATA DROPS FROM EXISTING TWO DATA RECEPTACLE IN WALL TO BOOM. THERE WILL BE TWO DATA RECEPTACLES IN BOOM (TWO DROPS EACH). TERMINATE CABLE IN CEILING, RUN PATCH CABLE IN BOOM.
- USE ONE OF THE SIX CIRCUIT IN J-BOX ABOVE CEILING FOR MONITOR BOOM.
- PROVIDE A 12" X 12" X6" SCREW COVER J-BOX ABOVE CEILING FOR MONITOR POWER SUPPLY. PROVIDE QUAD RECEPTACLE IN J-BOX FOR MONITOR POWER.
- BROADDATA DVI TX FOR C-ARM EQUIPMENT. PULL CIRCUIT FOR NEW DUPLEX RECEPTACLE FROM J-BOX ABOVE CEILING.
- BROADDATA DVI TX FOR ENDO EQUIPMENT LOCATED IN BOOM.



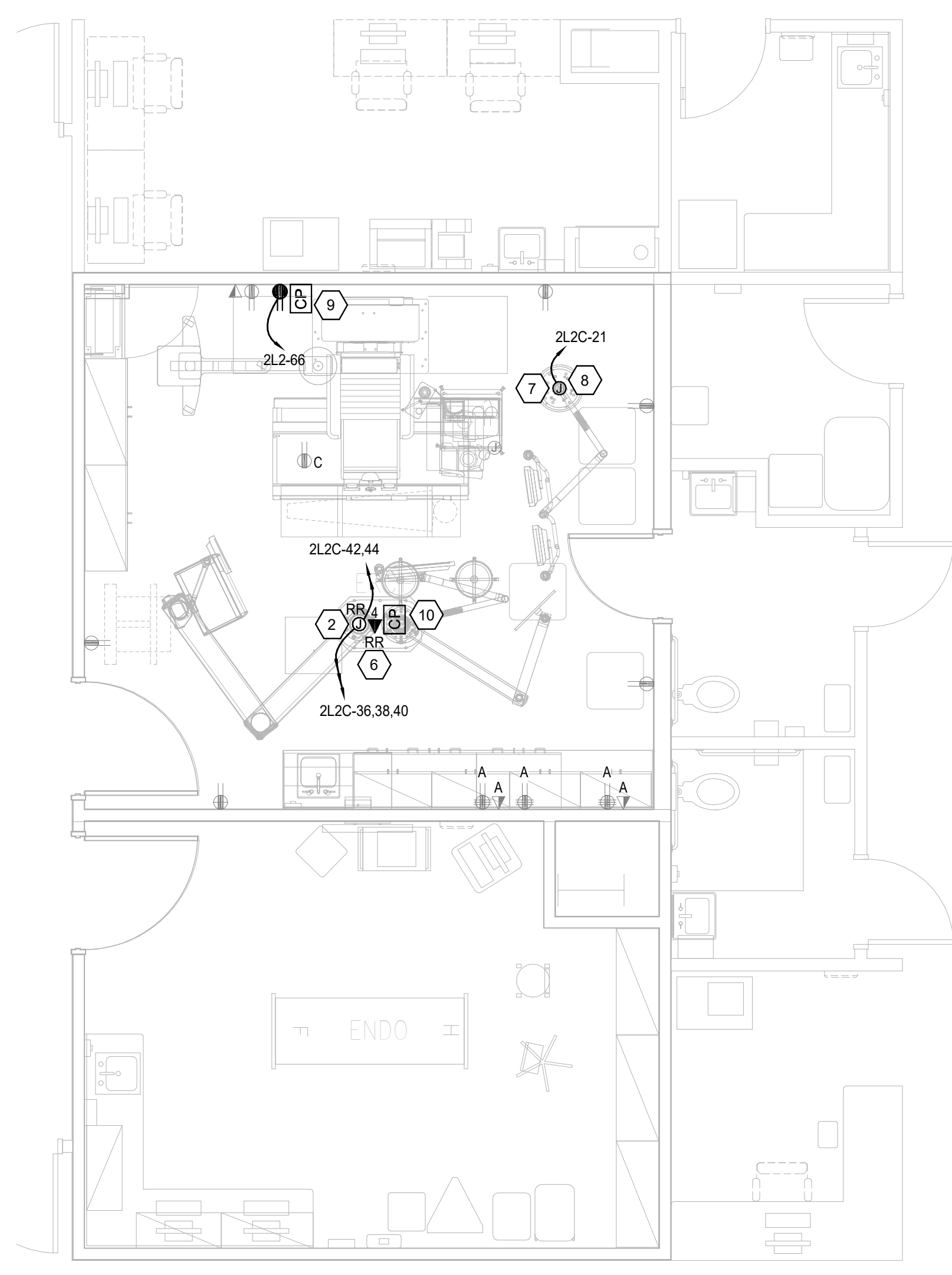
**4 DEMOLITION PLAN LEVEL 2**  
SCALE: 1/4" = 1'-0"



**3 AUXILIARY PLAN LEVEL 2**  
SCALE: 1/4" = 1'-0"



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



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

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Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

3741 West 12600 South  
Riverton, UT 84065

NJRA Project # 21211.00  
Construction Documents Feb 7, 2022

ENLARGED  
ELECTRICAL  
PLANS

EP401



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

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

COPPER PATCH CORD SCHEDULE (CATEGORY 5E CABLES W/RJ-45 CONNECTORS)			
LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	10	
7'	BLUE	10	
10'	BLUE	10	

FIBER PATCH CORD SCHEDULE (SINGLE-MODE W/LC CONNECTORS)			
LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
-	-	-	-
3	YELLOW	4	
5	YELLOW	4	

WIRELESS PATCH CORD PATCH CORD SCHEDULE (CATEGORY 6A F/UTP W RJ/45 CONNECTORS)			
LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
7'	YELLOW	100% OF TOTAL PORTS IN TDR'S	

CLINICAL ENGINEERING PATCH CORD SCHEDULE (CATEGORY 6A F/UTP W RJ/45 CONNECTORS)			
LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
5'	ORANGE	70% OF TOTAL PORTS IN TDR'S	
7'	ORANGE	30% OF TOTAL PORTS IN TDR'S	

EQUIPMENT/CABLE LIST		
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, DATA, BLUE	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, CLINICAL ENGINEERING, ORANGE	SIEMON 9A6P4-A5-02-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, WIRELESS, YELLOW	SIEMON 9A6P4-A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, SECURITY, BLUE	SIEMON 9A6P4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 5E RISER, GREEN VENDOR NETWORK	SIEMON 9C5R4-E2-07-R1A
	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/CATEGORY 6A INSERT	SIEMON MX-WP-26AS-SS
▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION	SIEMON 10GMX-FP502-02
▽	CATEGORY 6A JACK - CLINICAL ENGINEERING, ORANGE	SIEMON 26A-S06
▽	BLANK INSERT, WHITE	SIEMON MX-BL-02
▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION	SIEMON 10GMX-FP502-02
▽	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
▽	BLANK INSERT, WHITE	SIEMON MX-BL-02
▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION	SIEMON 10GMX-FP502-02
▽	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FP504-02
▽	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
▽	BLANK INSERT, WHITE	SIEMON MX-BL-02
▽	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SM22-02
▽	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
▽	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SM22-02
▽	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON 26A-S06
▽	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SM21-02
▽	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON 26A-S06
SPPT	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON 26AS-PA-48
TRPT	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE	SIEMON HD5-48A
DEPT	48 PORT, 1RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON 26AS-PA-48
WVLM	HORIZONTAL WIRE MANAGERS, 4RU	PANDUIT NCMH4E-F4
WVLM	VERTICAL WIRE MANAGERS, DOUBLE SIDED, BLACK, 10" WIDE x 8"-0" HIGH	CHATSORTH 4009B-715
WVLM	EQUIPMENT RACK, 19" x 8"-0", 52RU, BLACK	CHATSORTH 55053-715
III	CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSORTH 10250-724
III	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSORTH 10250-718
III	BUTT SPLICE KIT, BLACK	CHATSORTH 11301-701
III	JUNCTION SPLICE KIT, BLACK	CHATSORTH 11302-701
III	FOOT KIT, BLACK	CHATSORTH 11309-701
III	6" CHANNEL RACK TO RUNWAY, BLACK	CHATSORTH 12409-724
III	TRIANGLE BRACKETS, BLACK	CHATSORTH 11746-724
III	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSORTH 11700-724
III	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATSORTH 11421-724
III	CABLE RUNWAY ELEVATION KIT, 6"	CHATSORTH 10590-706
III	CABLE RUNWAY RADIUS DROP	CHATSORTH 12100-712
III	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	PANDUIT GR4-B06-24TPI-1
III	TELECOMMUNICATIONS GROUNDING BUS BAR	PANDUIT GB2-B03-12TPI-1

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

- ### GENERAL PROJECT NOTES
- UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
  - PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
  - LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
  - THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
  - IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
  - GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
  - FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
  - PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
  - RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDAT AT 801-707-3805.
  - ALL DATA LOCATIONS ARE NOT SHOWN IN ET SHEETS. REFER TO ENLARGED POWER PLANS FOR DATA LOCATIONS IF NOT SHOWN ON ET SHEETS.

### ABBREVIATIONS

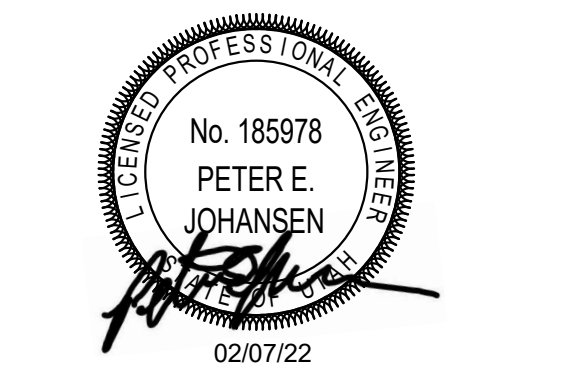
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AUGMENTED
CAT	CATEGORY
E	ENHANCED
EA	EACH
ER	EQUIPMENT ROOM
FPP	FIBER PATCH PANEL
GIG	GIGA HERTZ
HWM	HORIZONTAL WIRE MANAGEMENT
NIC	NOT IN CONTRACT
OE	OWNER ELECTRONICS
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
PPP	RISER PATCH PANEL
SPP	STATION PATCH PANEL
TC	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
WVM	VERTICAL WIRE MANAGEMENT

- ### DEFINITIONS
- NOTE: ALL DEFINITIONS MAY NOT BE USED.
- INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.
- DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.
- APPROVE: THE TERM "APPROVED" WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.
- FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."
- INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."
- PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."
- INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.
- ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLE SYSTEMS, ETC...



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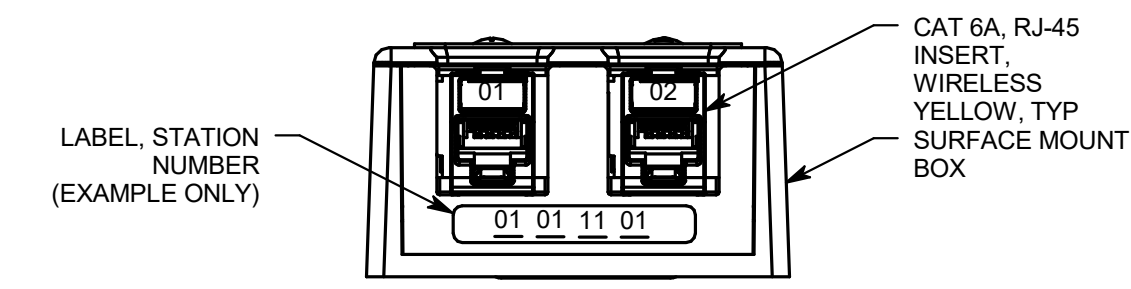
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Endoscopy Room #4

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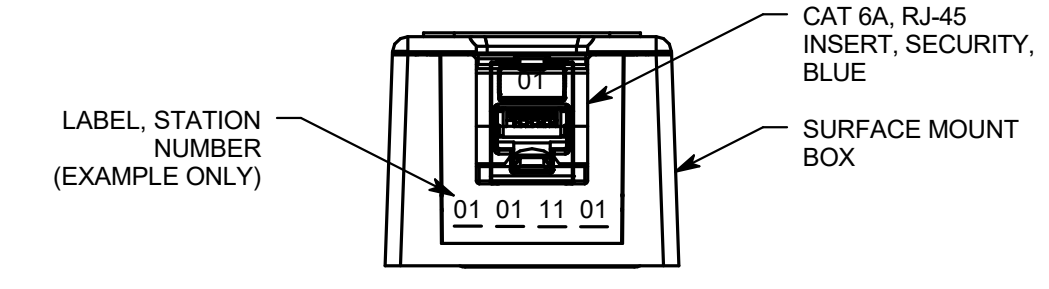
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TELECOM  
SCHEDULES  
AND NOTES

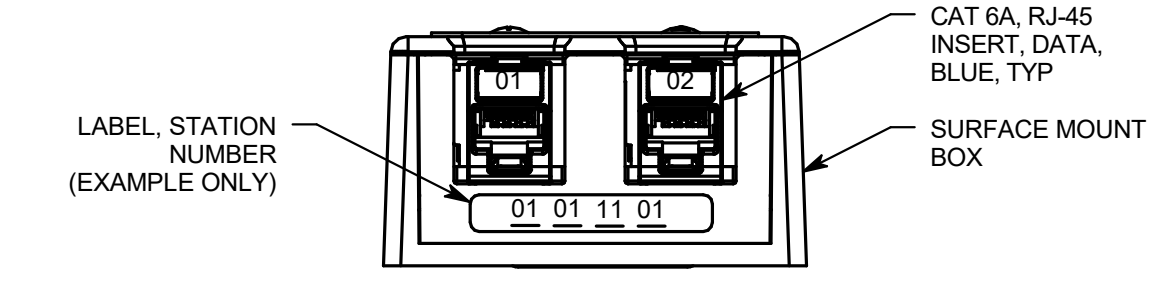
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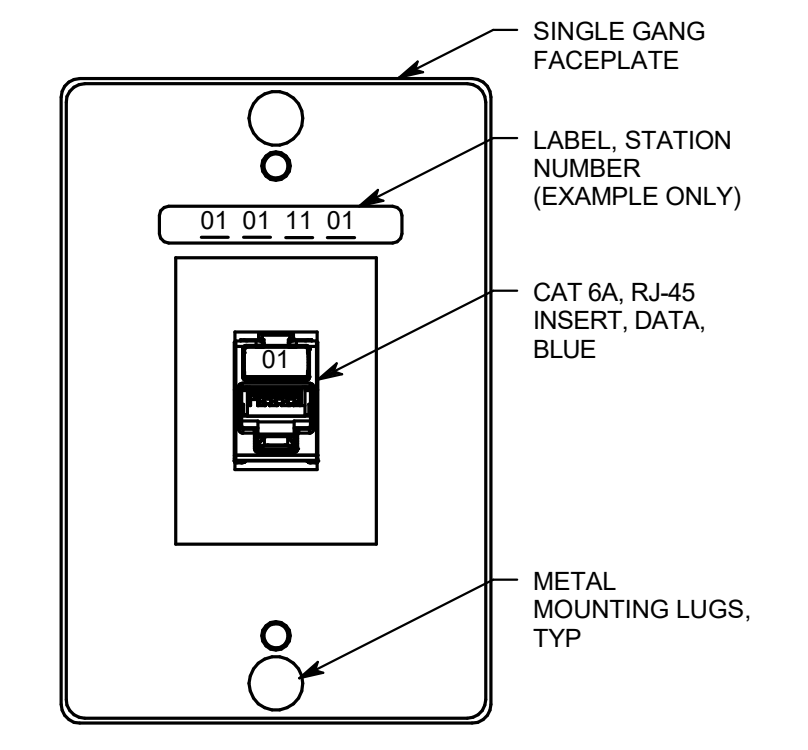
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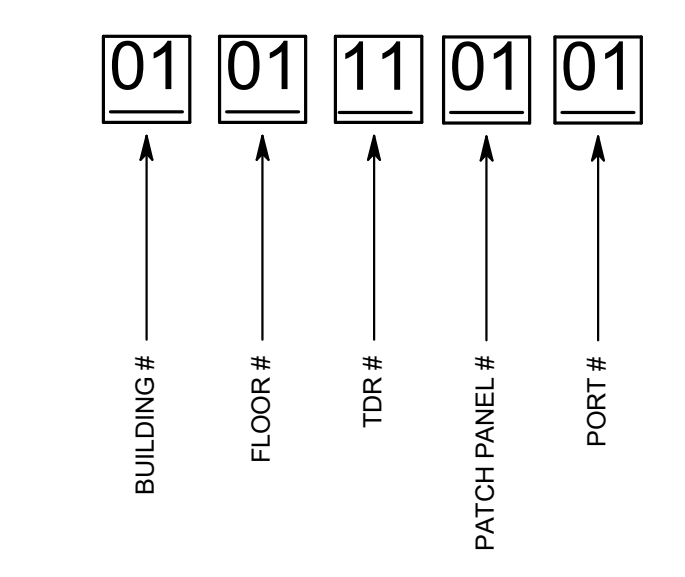
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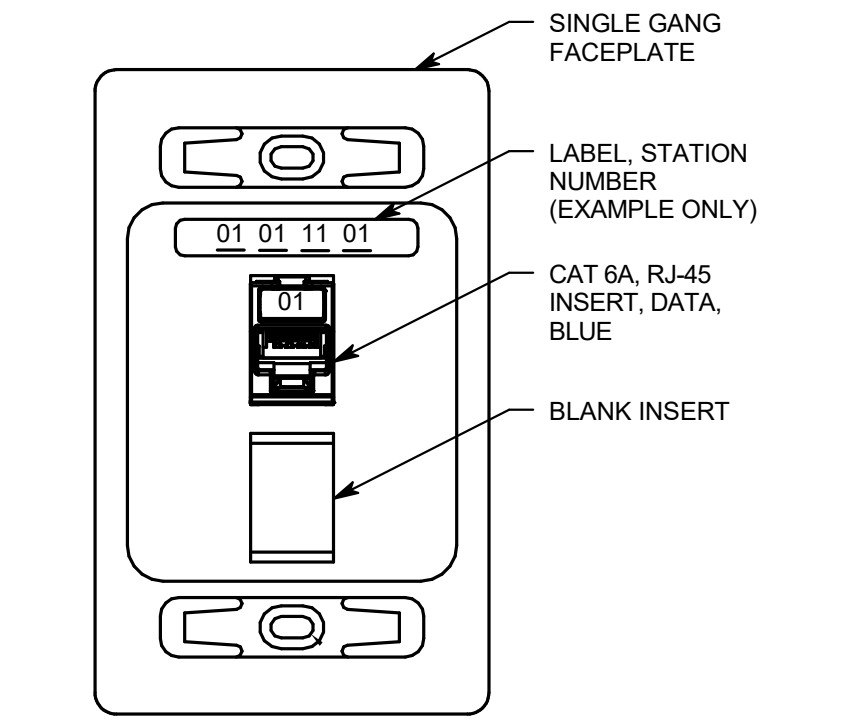
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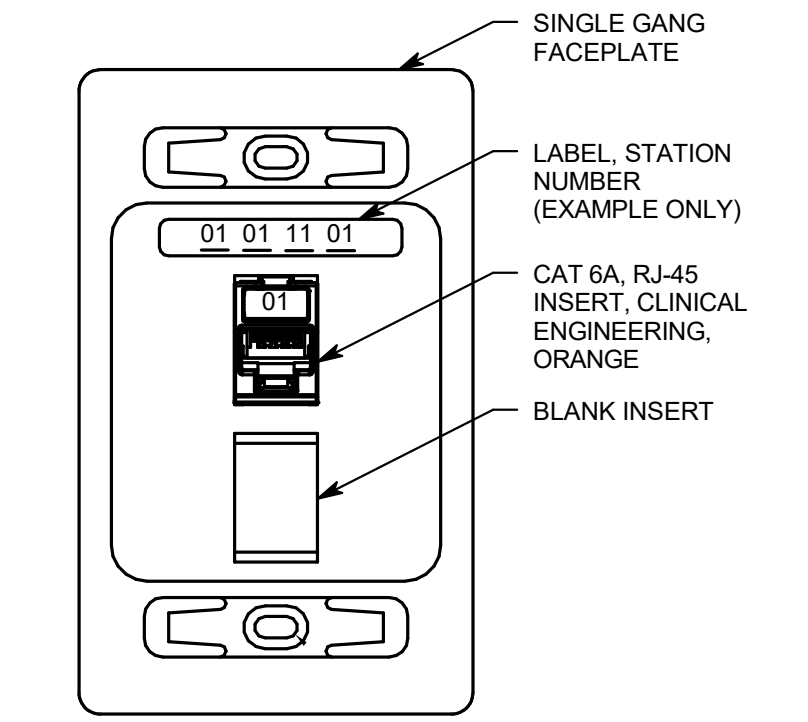
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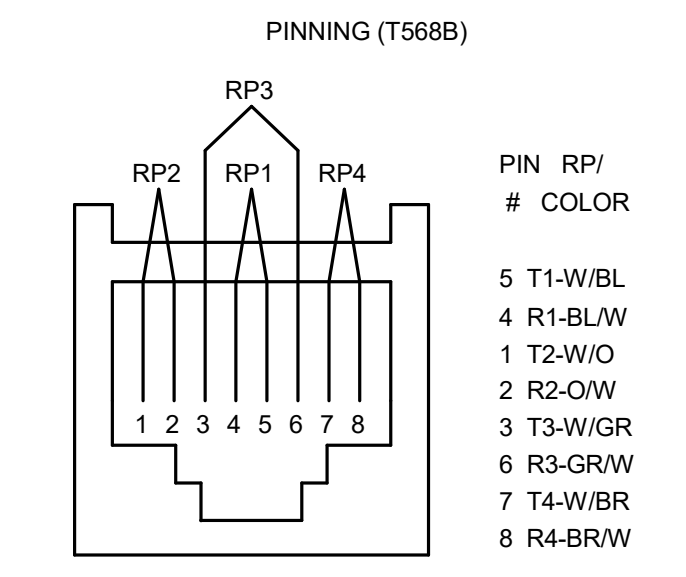
7 CABLE ID EXAMPLE DETAIL  
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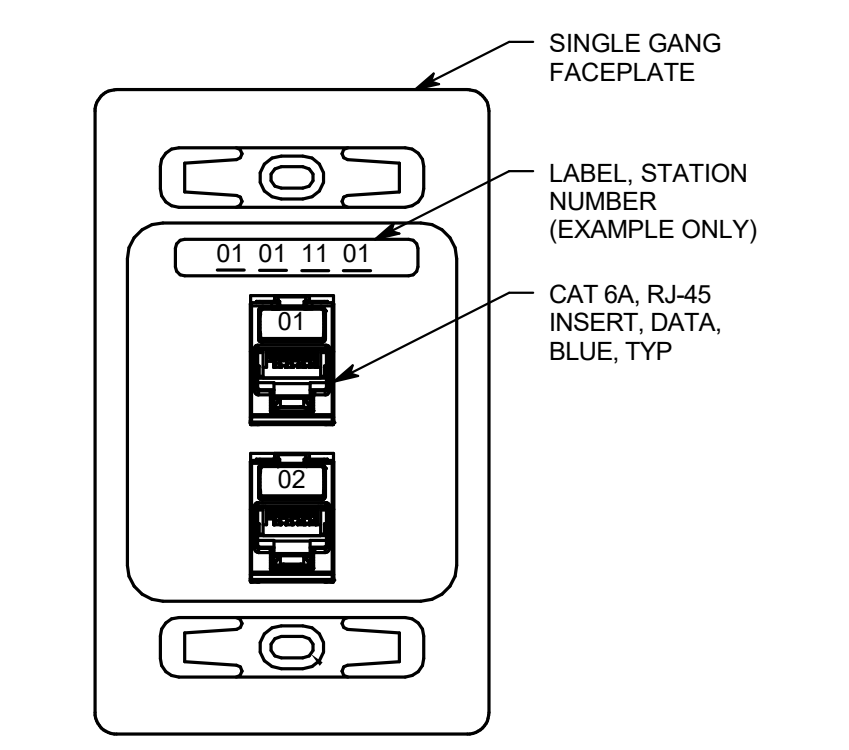
8 TYPICAL 1-PORT WALL DATA OUTLET  
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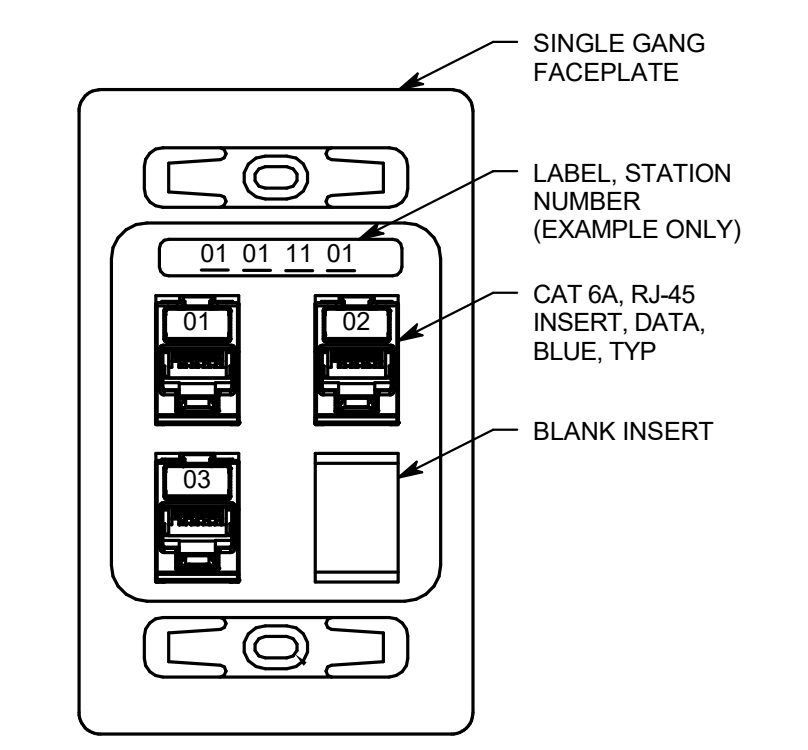
9 TYPICAL 1-PORT PHYS MON WALL DATA OUTLET  
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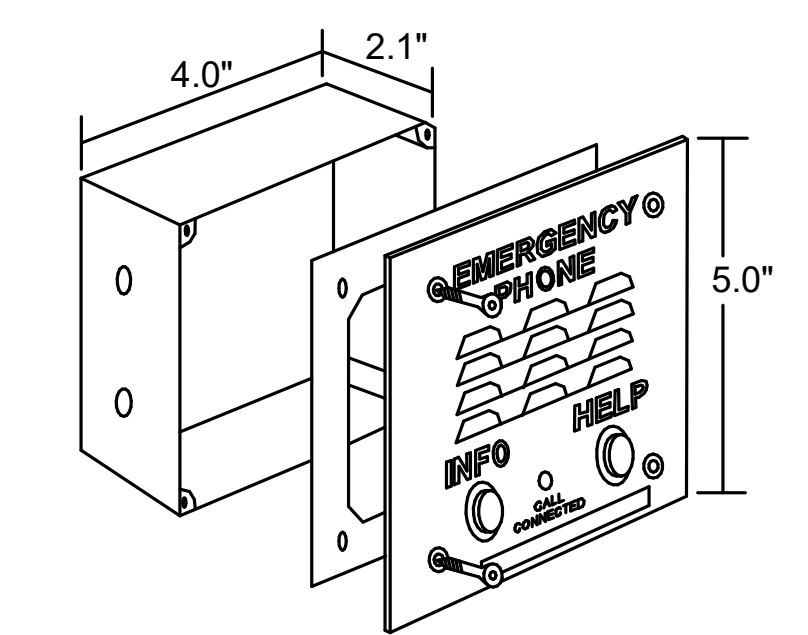
4 TYPICAL VOICE-DATA OUTLET PINNING DETAIL  
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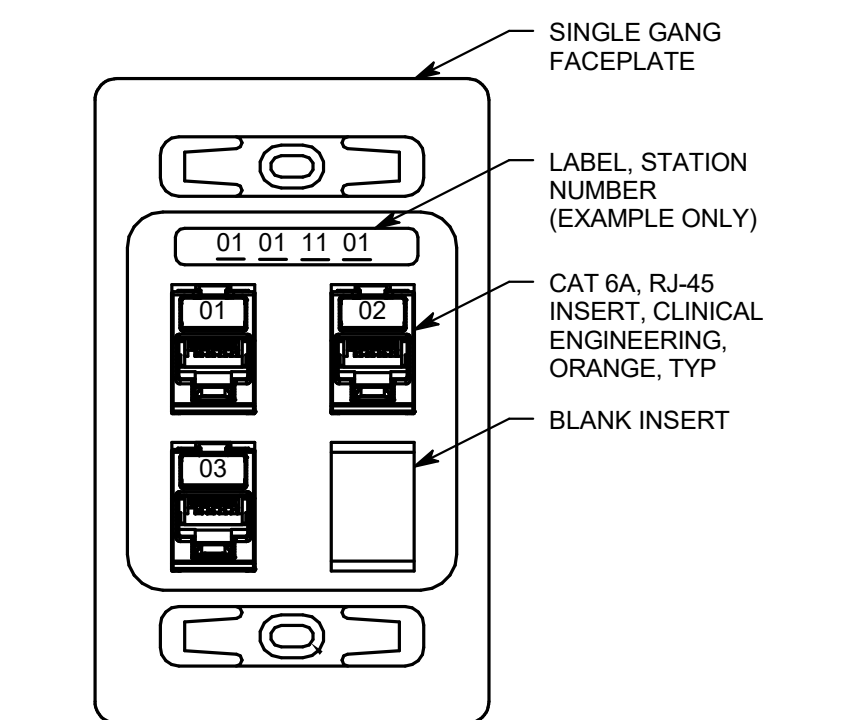
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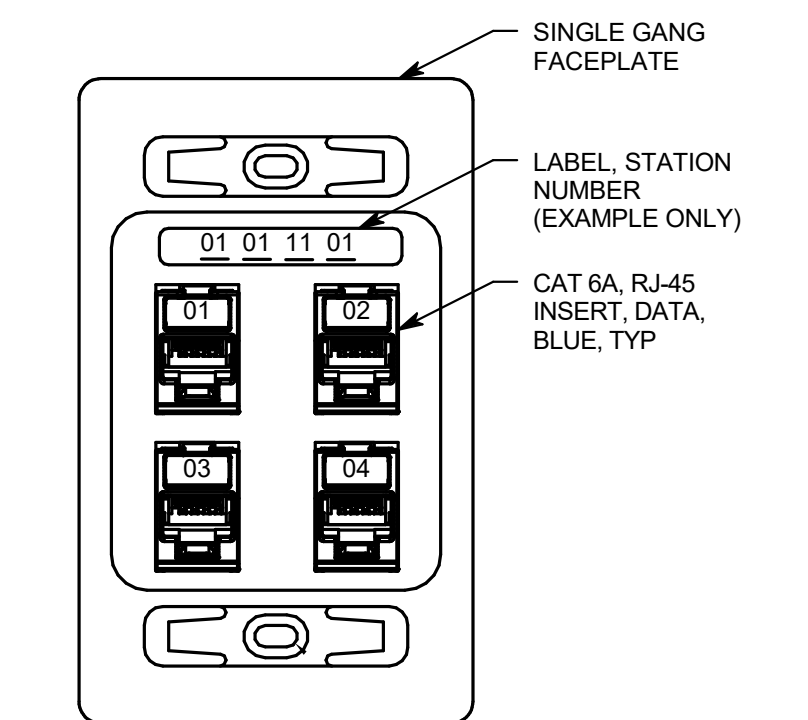
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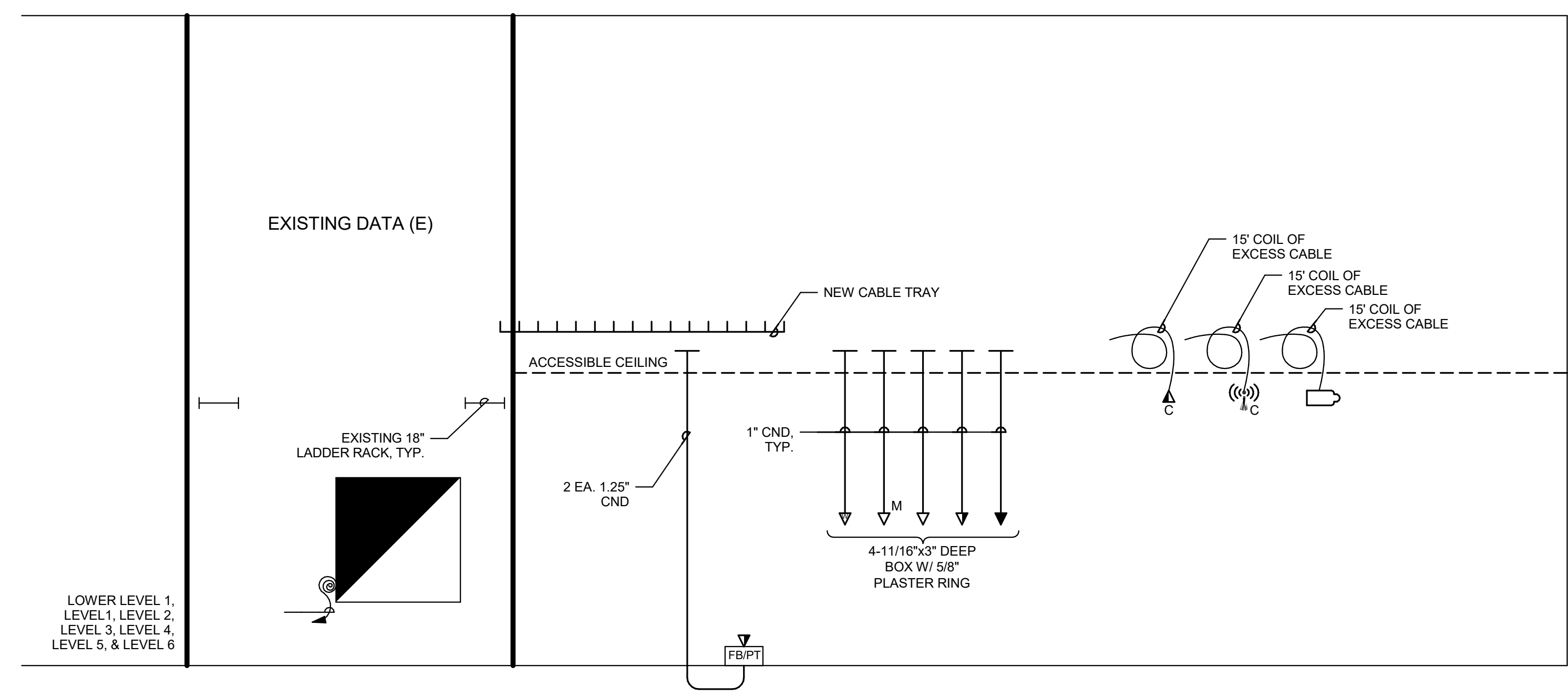
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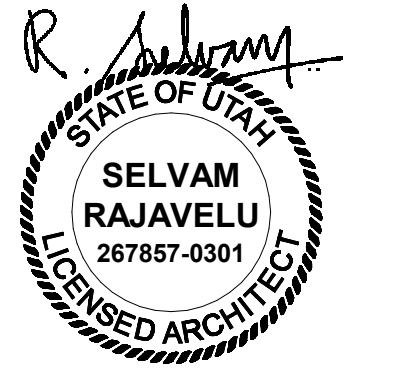
2 TYPICAL 3-PORT PHYS MON WALL DATA OUTLET  
NO SCALE



3 TYPICAL 4-PORT WALL DATA OUTLET  
NO SCALE



1 TELECOM CONDUIT RISER DIAGRAM  
NO SCALE



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C1.X BOOM CONFIGURATION SHEETS

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PROJECT MANAGER:  
**BRIAN DAGGETT**  
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720-448-3897

DESIGNED BY:  
**P. FRASER**

**SIGNATURES:**

SELECT ONE:  
 ALL SHEETS APPROVED  
 APPROVED WITH CHANGES

APPROVED BY (PRINT):

APPROVED BY (SIGNATURE):

APPROVAL DATE:

DELIVERY DATE:

ACCOUNT NAME & LOCATION:  
**INTERMOUNTAIN MEDICAL CENTER  
ENDOSCOPY ROOMS  
RIVERTON, UT**

**DRAWING REVISION SUMMARY**

REV #	BY:	DATE:	DESCRIPTION:
-	PLF	5/10/2021	INITIAL DRAWING PACKAGE
H	PLF	11/23/2021	SHIFT MONITOR MOUNT 4" PLAN SOUTH
J	PLF	1/10/2022	ADD MAVIG SHIELD ARM TO TANDEM ANCHOR

PROJECT SCORE: ENDOSCOPY ROOMS

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT

**GETINGE**

DRAWING NUMBER: **M1689-007**

REVISION LEVEL: **1**

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**GETINGE SURGICAL WORKFLOWS PROJECT RESPONSIBILITIES**

COMPONENT	DESIGNED BY/MATERIALS PROVIDED BY	PERFORMED BY	TIMING/PROJECT PHASE
<b>GETINGE SURGICAL WORKFLOWS</b>			
PRODUCT SPECIFICATIONS, CONSTRUCTION ROUGH IN DRAWINGS	GETINGE	GETINGE	AT TIME OF PURCHASE ORDER OR CUSTOMER SIGNED GETINGE DRAWING PACKAGE
<b>GENERAL CONTRACTOR</b>			
DESIGN, FABRICATION AND INSTALLATION OF THE SUPPORT STRUCTURE, SEE NOTE 5	CUSTOMER OR GENERAL CONTRACTOR PER GETINGE CONSTRUCTION ROUGH IN DRAWING	CUSTOMER'S ENGINEER OF RECORD AND GENERAL CONTRACTOR	BASED UPON OVERALL CONSTRUCTION SCHEDULE
INSTALLATION OF CEILING AND WALL STRUCTURE PLATES, SEE NOTE 7	GETINGE	CUSTOMER'S SPECIFIED GENERAL CONTRACTOR	BASED UPON OVERALL CONSTRUCTION SCHEDULE
<b>MEDICAL GAS CONTRACTOR</b>			
GAS AND VACUUM SUPPLY LINES TO STRUCTURAL SUPPORT	CUSTOMER OR MEDICAL GAS CONTRACTOR USING GETINGE CONSTRUCTION ROUGH IN DRAWING OR CUSTOMER SIGNED GETINGE DRAWING PACKAGE	CUSTOMER'S SPECIFIED MEDICAL GAS CONTRACTOR	WHILE CEILINGS ARE OPEN DURING PLUMBING/ELECTRICAL INSTALLATION
GAS AND VACUUM PANEL MOUNT RISER ASSEMBLY (POTABLES)	GETINGE	CUSTOMER'S SPECIFIED MEDICAL GAS CONTRACTOR	WHILE CEILINGS ARE OPEN DURING PLUMBING/ELECTRICAL INSTALLATION
ROUGH IN OF PNEUMATIC BRAKE LINES TO STRUCTURAL SUPPORT	CUSTOMER OR MEDICAL GAS CONTRACTOR USING GETINGE CONSTRUCTION ROUGH IN DRAWING OR CUSTOMER SIGNED GETINGE DRAWING PACKAGE	CUSTOMER'S SPECIFIED MEDICAL GAS CONTRACTOR	WHILE CEILINGS ARE OPEN DURING PLUMBING/ELECTRICAL INSTALLATION
MEDICAL GAS AND VACUUM/WAGD FINAL CONNECTIONS BETWEEN EQUIPMENT AND FACILITY LINES	CUSTOMER OR MEDICAL GAS CONTRACTOR USING GETINGE CONSTRUCTION ROUGH IN DRAWING OR CUSTOMER SIGNED GETINGE DRAWING PACKAGE	CUSTOMER'S SPECIFIED MEDICAL GAS CONTRACTOR	DURING EQUIPMENT INSTALLATION
<b>ELECTRICAL CONTRACTOR</b>			
GETINGE PROVIDED POWER SUPPLIES, DIMMER CONTROLS, ZOOM CAMERA CONTROLS AND UTILIZATION EQUIPMENT OUTLET BOXES	GETINGE	CUSTOMER'S SPECIFIED ELECTRICAL CONTRACTOR	WHILE CEILINGS AND WALLS ARE OPEN DURING PLUMBING/ELECTRICAL INSTALLATION
ALL BRANCH CIRCUIT WIRING AND CONDUIT (PRIMARY AND SECONDARY) EXTERNAL TO GETINGE SUPPLIED EQUIPMENT TO INCLUDE ALL SURGICAL LIGHT AND ROOM POWER, DATA AND VIDEO SIGNALS	CUSTOMER OR ELECTRICAL CONTRACTOR USING GETINGE CONSTRUCTION ROUGH IN DRAWING OR CUSTOMER SIGNED GETINGE DRAWING PACKAGE	CUSTOMER'S SPECIFIED ELECTRICAL CONTRACTOR	WHILE CEILINGS AND WALLS ARE OPEN DURING PLUMBING/ELECTRICAL INSTALLATION
ELECTRICAL FINAL TERMINATIONS BETWEEN UTILIZATION EQUIPMENT AND OUTLET BOXES AND FACILITY POWER	CUSTOMER OR ELECTRICAL CONTRACTOR USING GETINGE CONSTRUCTION ROUGH IN DRAWING OR CUSTOMER SIGNED GETINGE DRAWING PACKAGE	CUSTOMER'S SPECIFIED ELECTRICAL CONTRACTOR	AFTER EQUIPMENT INSTALLATION
<b>INSTALLATION CONTRACTOR</b>			
UNCRATING OF EQUIPMENT	N/A	GETINGE IF INSTALLATION PURCHASED PER SALES AGREEMENT	BASED UPON OVERALL CONSTRUCTION SCHEDULE
EQUIPMENT INSTALLATION	N/A	GETINGE IF INSTALLATION PURCHASED PER SALES AGREEMENT	DURING EQUIPMENT INSTALLATION PHASE BASED ON PROJECT SCHEDULE
DISPOSAL OF SHIPPING CONTAINERS AND PACKING DEBRIS TO AN ON INSTALLATION SITE CUSTOMER PROVIDED RECEIPT/SLIP	N/A	GETINGE IF INSTALLATION PURCHASED PER SALES AGREEMENT	AS REQUIRED DURING EQUIPMENT INSTALLATION PHASE BASED ON PROJECT SCHEDULE
FINAL INSTALLATION CHECKOUT	N/A	GETINGE IF INSTALLATION PURCHASED PER SALES AGREEMENT	AFTER EQUIPMENT INSTALLATION
<b>INTEGRATOR (IF NOT PROVIDED BY GETINGE):</b>			
WIRING AND EQUIPMENT TO BE INSTALLED INTO GETINGE SUPPLIED EQUIPMENT BY NON-GETINGE MULTIMEDIA INTEGRATION COMPANIES	THIRD PARTY DATA, VIDEO, OR INTEGRATION COMPANIES CONTRACTED BY THE CUSTOMER	CUSTOMER'S SPECIFIED INTEGRATION COMPANY	DURING EQUIPMENT INSTALLATION
<b>CUSTOMER</b>			
RECEIVE, OFF LOAD AND STORAGE OF EQUIPMENT IN SECURED PROTECTED AREA	N/A	CUSTOMER OR CUSTOMER DESIGNATED SHIPPING CONTRACTOR	BASED UPON OVERALL CONSTRUCTION SCHEDULE
FINAL EQUIPMENT CERTIFICATION (MED GAS AND ELECTRICAL)	AS STIPULATED BY LOCAL CODES, NEC AND NFPA	ELECTRICAL CONTRACTOR, MED GAS CONTRACTOR AND/OR LOCAL CODE INSPECTOR	AFTER EQUIPMENT INSTALLATION

**GETINGE SURGICAL WORKFLOWS PROJECT RESPONSIBILITIES NOTES**

- MINIMUM OF TEN (10) WORKING DAYS NOTIFICATION WILL BE REQUIRED FOR SCHEDULING INSTALLATION. ADDITIONAL COST MAY BE BILLED IF LESS THAN 10 DAYS NOTICE.
- INSTALLATION IS PERFORMED DURING THE HOURS OF 8 A.M. TO 11 P.M. EXCLUDING WEEKENDS AND HOLIDAYS. OVERTIME CHARGES WILL APPLY AFTER 11:00 P.M. AND DURING WEEKENDS/HOLIDAYS. PRICING DOES NOT PROVIDE FOR UNION LABOR.
- REMOVAL OF ASBESTOS OR EQUIPMENT SUBJECT TO DISPOSAL REGULATIONS OF FEDERAL, STATE OR LOCAL GOVERNMENTS IS NOT INCLUDED. PRICING MUST BE OBTAINED THROUGH LOCAL HAZARDOUS WASTE CONTRACTORS.
- SCOPE OF INSTALLATION WORK IS BASED UPON TIMELY AND UNINTERRUPTED ACCESS, SITE CONDITIONS AND UTILITY AVAILABILITY. INTERRUPTIONS TO INSTALLATION SCHEDULE MAY RESULT IN ADDITIONAL FEES TO THE CUSTOMER.
- PURCHASER SHALL PROVIDE A STRUCTURE SUFFICIENT TO SUSTAIN THE WEIGHT OF THE APPLICABLE PRODUCTS ON A PERMANENT BASIS, AND WHICH COMPLES WITH ANY APPLICABLE REQUIREMENTS OF ANY GOVERNMENTAL AUTHORITY.
- IF EQUIPMENT IS STORED OFF SITE, IT IS THE CUSTOMER'S RESPONSIBILITY TO TRANSPORT EQUIPMENT TO THE INSTALLATION SITE.
- GETINGE CEILING-MOUNTED EQUIPMENT LOCATIONS ARE NOT TO BE FIELD-MODIFIED WITHOUT SECURING REVISED CUSTOMER-SIGNED DOCUMENTATION FROM GETINGE SURGICAL WORKFLOWS AND, ANY SUCH REVISION MUST FIRST BE COORDINATED WITH THE PROJECT'S ARCHITECT-OF-RECORD.

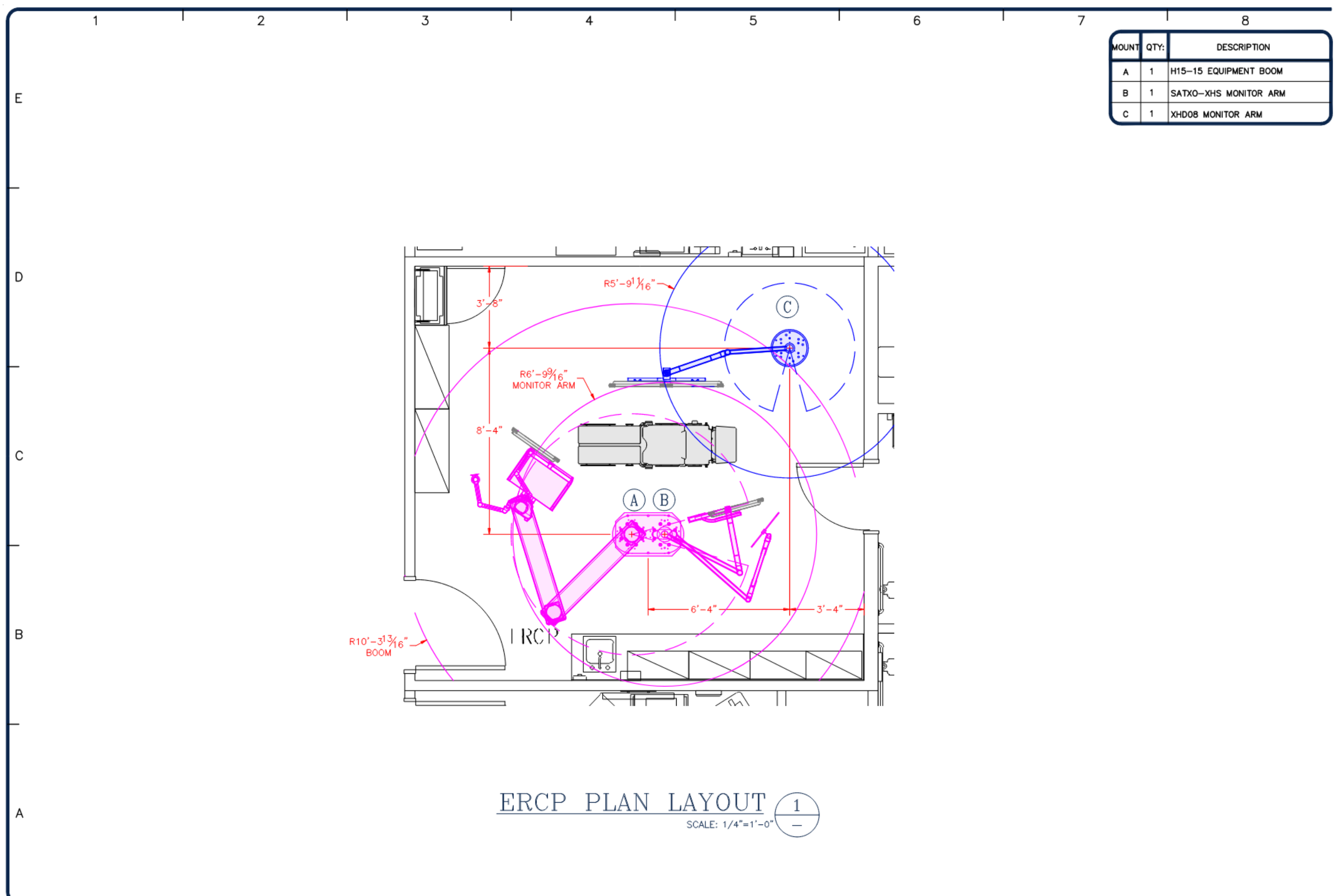
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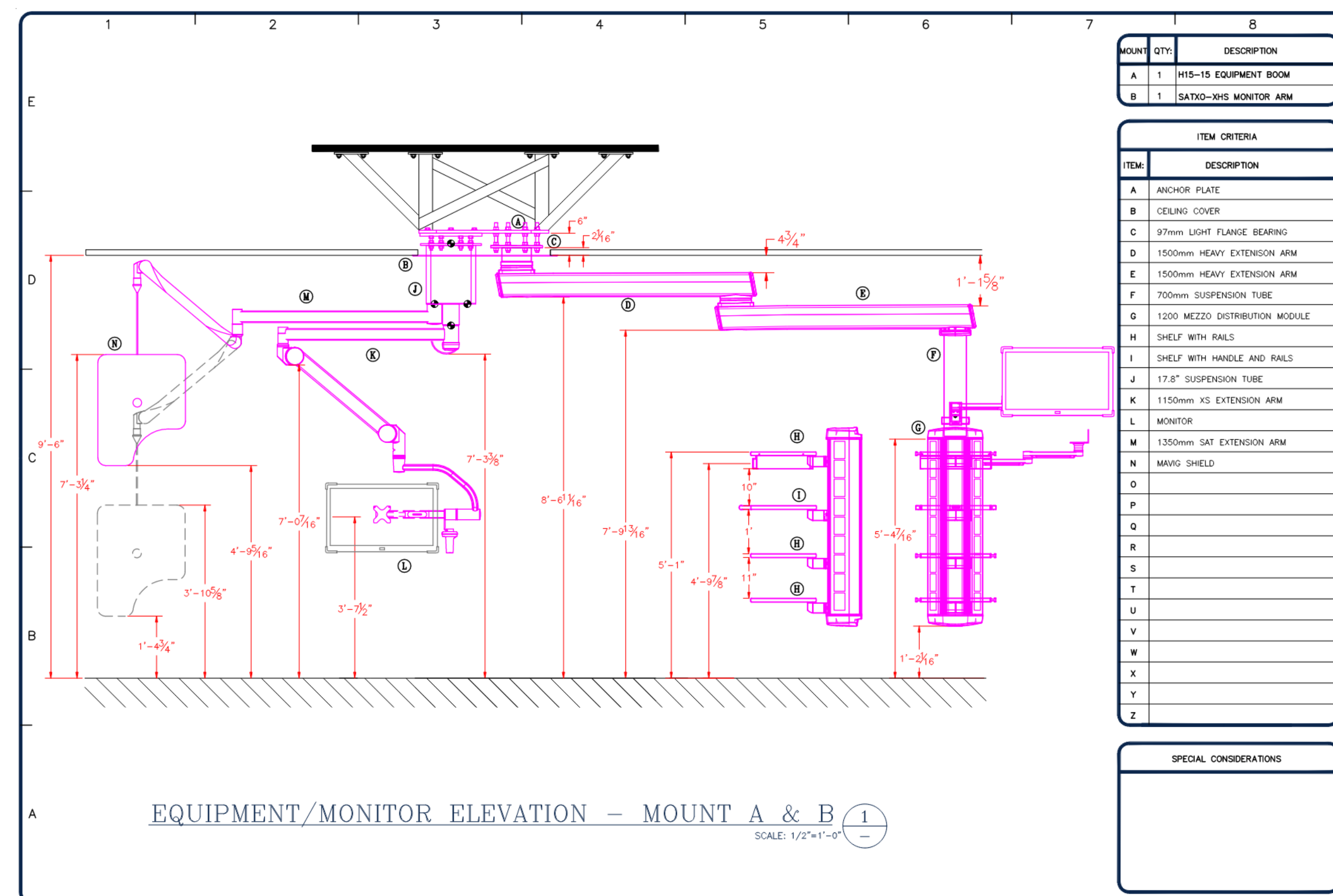
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Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

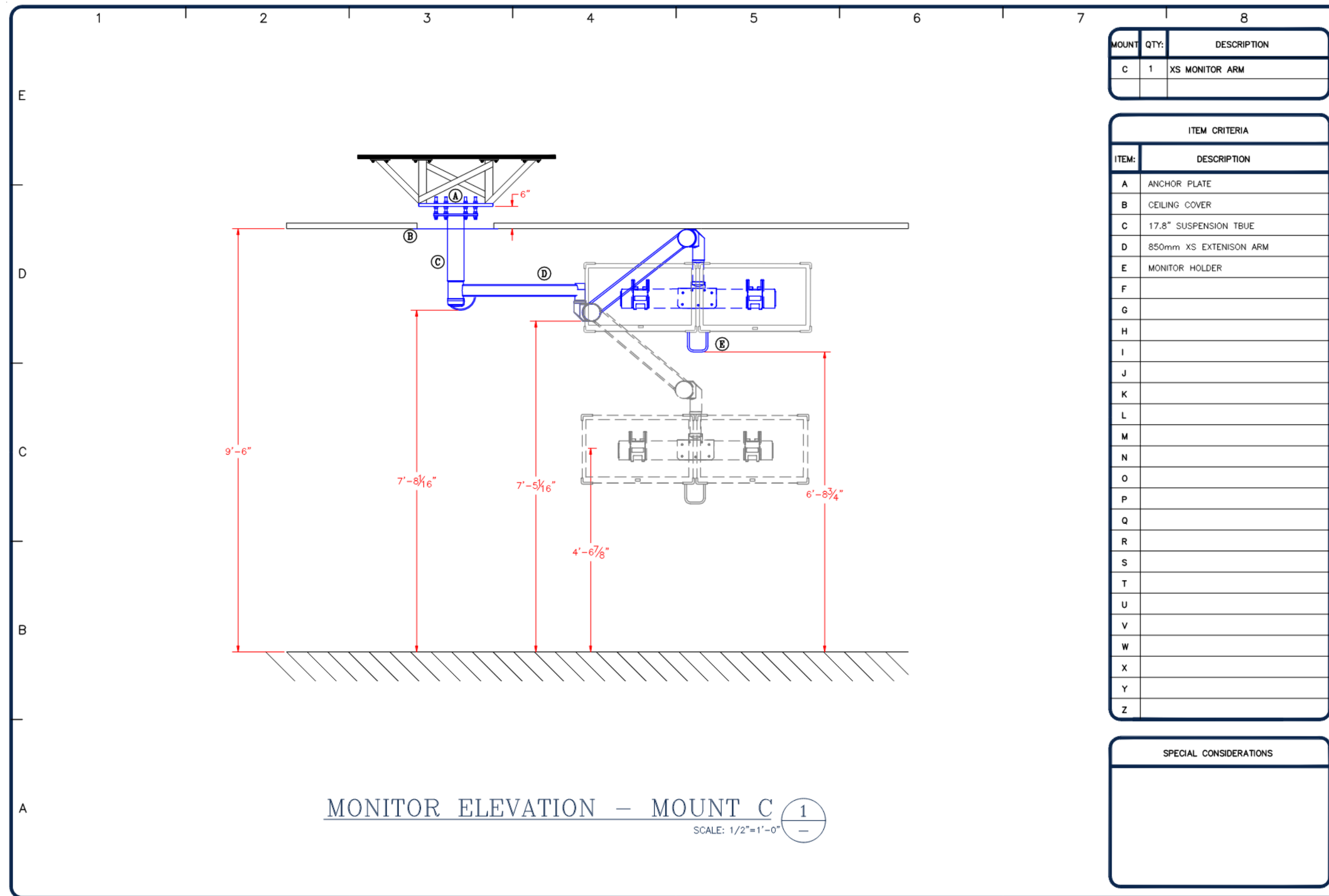
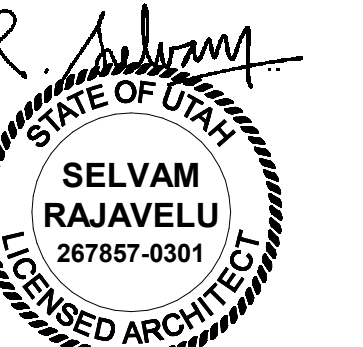
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Equipment  
Drawings

EQ101

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GENERAL O.R. ARCHITECTURAL ELEVATION LAYOUT

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT

GETINGE

DRAWING NUMBER: M1689-007

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

REVISION LEVEL: J

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MODUEVO TABLE OF MODELS AND LOADS

MODEL	LOADED WEIGHT (LBS)	LOADED MOMENT (FT-LBS)	MODEL	LOADED WEIGHT (LBS)	LOADED MOMENT (FT-LBS)
PLG 14-0	198	262	ENERGY L6-10	855	2745
PLG L6-14	283	722	ENERGY L9-10	648	3226
PLG L9-14	292	969	ENERGY L12-10	587	3438
PLG L12-14	307	1232	ENERGY M0-10	693	2377
PLG L15-14	320	1507	ENERGY M6-10	760	3779
L 6-0	855	2350	ENERGY M9-10	775	4500
L 9-0	867	3165	ENERGY M12-10	789	5236
L 12-0	771	3431	ENERGY M15-10	737	5344
L 15-0	652	3360	CARGO L6-0	855	2745
L 6-6	801	3464	CARGO L9-0	868	3560
L 9-6	688	3462	CARGO L12-0	722	3464
L 9-9	616	3467	CARGO L6-6	744	3139
L 12-6	609	3460	CARGO M9-0	871	3565
L 12-9	556	3462	CARGO M12-0	885	4396
L 12-12	516	3466	CARGO M15-0	885	5206
L 15-12	481	3462	CARGO M6-6	825	4474
L 15-15	456	3480	CARGO M9-6	940	5330
H 12-0	895	4001	CARGO M9-9	865	5331
H 9-6	925	4080	CARGO M12-9	802	5652
H 9-9	939	4963	CARGO M12-12	751	5764
H 12-9	853	5822	MPWR 9-10	649	3153
H 12-12	781	5809	MPWR 12-8	805	4415
H 15-12	720	5800	MS 9-10	385	1724
H 15-15	676	5813	MS 12-11	581	2707

MODEL	LOADED WEIGHT (LBS)	LOADED MOMENT (FT-LBS)
SINGLE ARM SURGICAL LIGHT	148	774
DUAL ARM SURGICAL LIGHT	237	1350
SATELITE	481	2558
LUCEA 40 MINOR LIGHT	43	58
LUCEA 50/100 SURGICAL LIGHT	64	219
VOLISTA ACCESS SURGICAL LIGHT	121	602

FOR TRIPLE ARM SURGICAL LIGHTS, CONSULT GETINGE PROJECT MANAGER

STRUCTURE TYPE	EQUIPMENT	LOAD TABLE	LOAD TABLE
SINGLE	A+B	H15-15	SINGLE ARM
SINGLE	C	SINGLE ARM	

1. USE HEAVIEST UNITS AND MAX TORQUES ON THE TABLE FOR DESIGNING THE STRUCTURE IF THE MODELS ARE UNKNOWN AT THE TIME OF DESIGN  
2. WHEN PLACING MULTIPLE PIECES OF EQUIPMENT ON A TANDEM MOUNT, ADD WEIGHTS AND MOMENTS FOR EACH PIECE FROM ABOVE FOR STRUCTURE DESIGN

GENERAL O.R. LOAD TABLE

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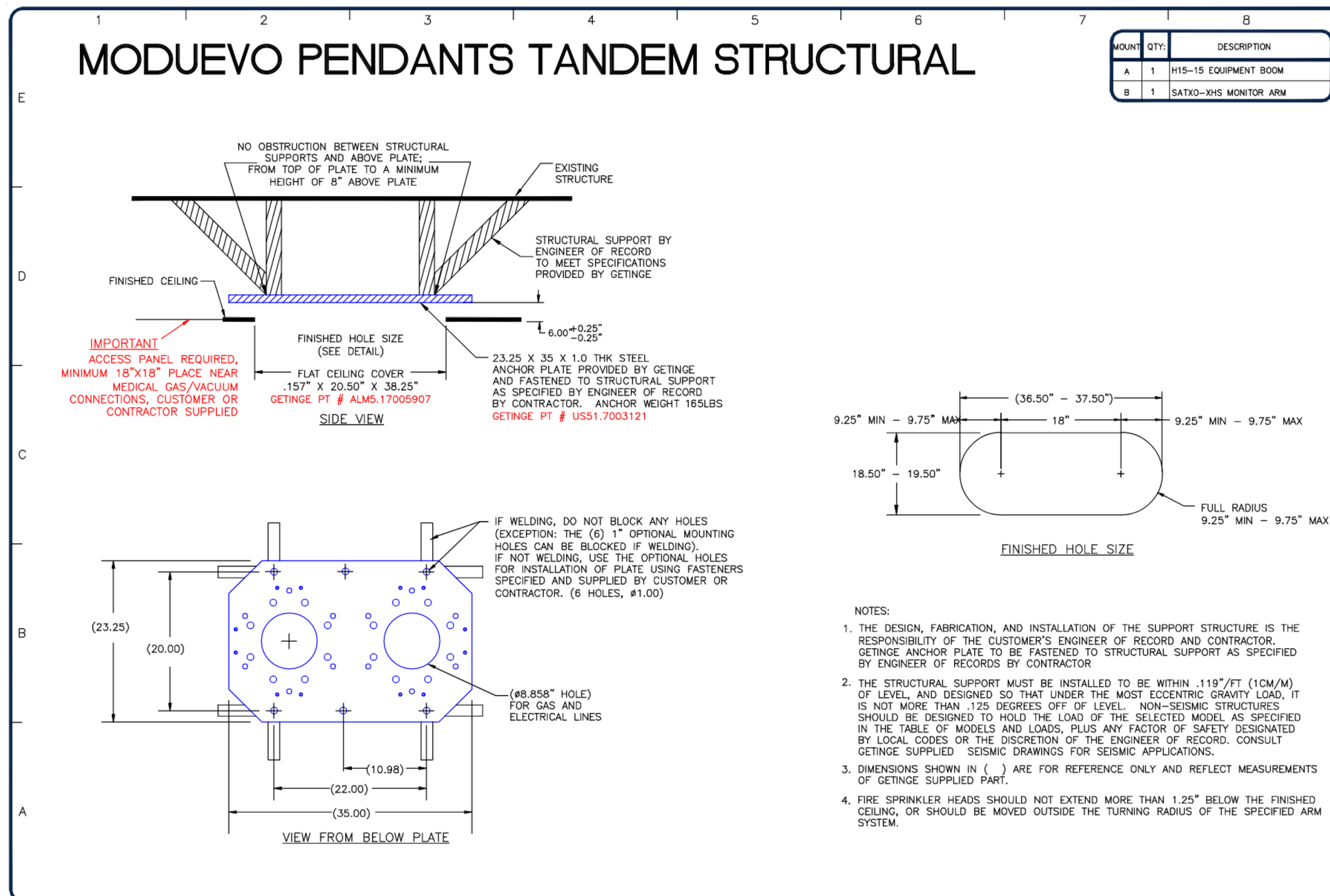
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GENERAL O.R. STRUCTURAL DETAIL

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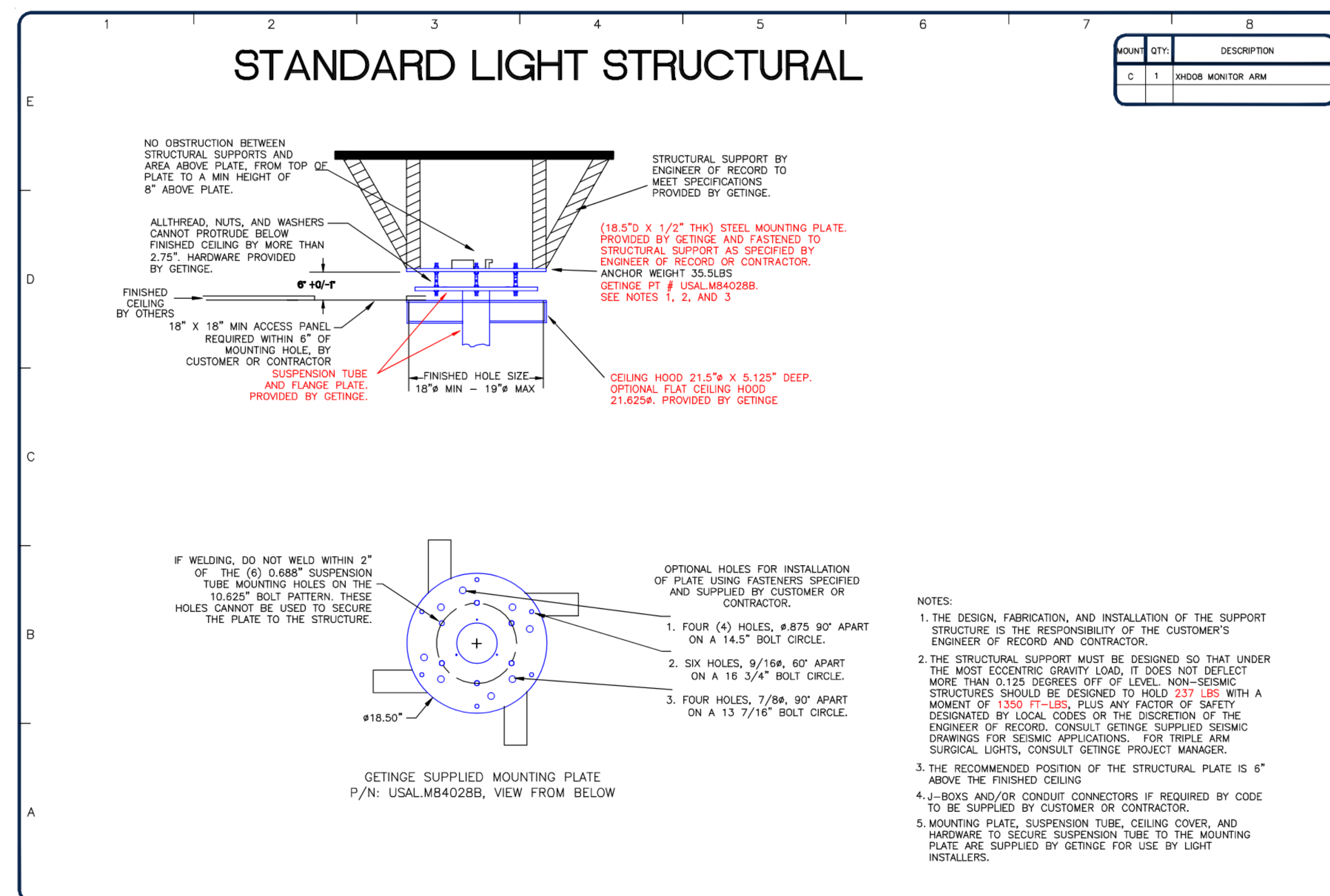
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GENERAL O.R. STRUCTURAL DETAIL

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT

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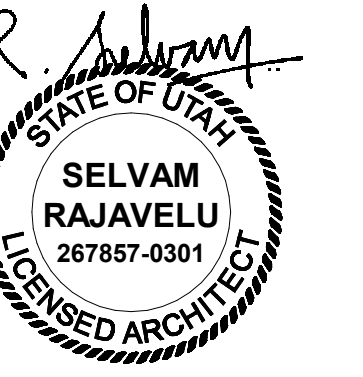
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### MODUEVO PENDANT PLUMBING

MOUNT	QTY	DESCRIPTION
A	1	H15-15 EQUIPMENT BOOM

**IMPORTANT:** ACCESS PANEL MINIMUM 18" X 18" PLACE NEAR MEDICAL GAS/VACUUM CONNECTIONS

**IMPORTANT:** ALL GAS RISERS CONNECTION TO THE EQUIPMENT, MUST BE BETWEEN 20" - 24" OF CENTER OF PLATE, AND BETWEEN 2.0" AND 6.0" ABOVE THE FINISHED CEILING. INSTALLED BY CUSTOMER OR CONTRACTOR.

**PLUMBING SERVICES**

MOUNT	DESCRIPTION	OXYGEN	MEDICAL AIR	VACUUM	CARBON DIOXIDE	NITROGEN	NITROUS OXIDE	WAGD
A	H15-15 EQUIPMENT BOOM	2	1	2	2	---	---	---

**NOTES:**  
1. CUSTOMER'S DESIGN ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN, INCLUDING CODE COMPLIANCE, OF ALL FACILITY SERVICES UP TO GETINGE SUPPLIED EQUIPMENT.  
2. OUTLETS INCLUDE: ALL POSITIVE GASES.  
3. INLETS INCLUDE: VACUUM AND WAGD.  
4. GAS RISERS (ONE PER SERVICE) AND RISER BRACKET SUPPLIED BY GETINGE.

GENERAL O.R.: PLUMBING DETAIL  
PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT  
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### ELECTRICAL SCHEDULE

LOCATION	PURPOSE	CIRCUIT TYPE	QTY	JUNCTION BOX	TYPE
MOUNT A	PENDANT OUTLETS	EMERGENCY 20A	5	CUSTOMER	PER NEC

**NOTES:**  
1. J-BOXES, ROUGH-IN WALL BOXES, AND CONDUIT SUPPLIED BY CUSTOMER OR CONTRACTOR. TYPE AND QUANTITY DETERMINED BY LOCAL CODE AND WIRE SIZES. RECOMMEND 3/4" CONDUIT.  
2. MULTIMEDIA SYSTEMS MAY REQUIRE 2 OR MORE RUNS OF CONDUIT AND ADDITIONAL J-BOXES OR NEMA BOXES, BY CUSTOMER OR CONTRACTOR TO ACCOMMODATE ALL WIRING. CONSULT WITH INTEGRATOR CONTRACTOR FOR SPECIFICS.  
3. ADDITIONAL 120V/20A SOURCES ARE REQUIRED FOR FLAT PANEL OR OTHER DISPLAYS.  
4. UNLESS OTHERWISE SPECIFIED, ALL WIRING EXTERNAL TO GETINGE SUPPLIED EQUIPMENT, INCLUDING VIDEO SIGNAL AND CABLING FOR INTERFACE TO MULTIMEDIA SYSTEMS ARE TO BE SUPPLIED BY CUSTOMER OR CONTRACTOR.  
5. THE J-BOX MUST BE WITHIN 3' OF THE CENTER SUSPENSION MOUNT ADJACENT TO THE ACCESS PANEL.

GENERAL O.R.: ELECTRICAL SCHEDULE  
PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT  
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### MODUEVO PENDANT ELECTRICAL

MOUNT	QTY	DESCRIPTION
A	1	H15-15 EQUIPMENT BOOM
B	3	SATXO-XHS MONITOR ARM

**IMPORTANT:** ACCESS PANEL MINIMUM 18" X 18" PLACE NEAR MEDICAL GAS/VACUUM CONNECTIONS

**IMPORTANT:** BRANCH CIRCUIT WIRED AND TERMINATED AT THE TERMINAL STRIP IN THE UTILIZATION OUTLET BOX BY CUSTOMER OR CONTRACTOR. (SEE NOTE 2)

**IMPORTANT:** ALL ELECTRICAL JUNCTION BOXES FOR CONNECTION TO THE EQUIPMENT, MUST BE BETWEEN 20" - 24" OF CENTER OF PLATE, AND BETWEEN 6.0" AND 10.0" ABOVE THE FINISHED CEILING. INSTALLED BY CUSTOMER OR CONTRACTOR.

**NOTES:**  
1. CUSTOMER'S DESIGN ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN, INCLUDING CODE COMPLIANCE, OF ALL FACILITY SERVICES UP TO GETINGE SUPPLIED EQUIPMENT.  
2. ADDITIONAL 120VAC/20AMP CIRCUIT FOR EACH CEILING SERVICE UNIT REQUIRED TO UTILIZATION OUTLET BOX, SUPPLIED BY GETINGE, FOR ELECTRO-MAGNETIC BRAKES, AMBIENT LIGHT, MOTOR UNITS, AND/OR ACCESSORIES. RECOMMEND THIS BE TAPPED OFF OF A CIRCUIT THAT IS NOT PART OF THE EMERGENCY SYSTEM. CONSULT LOCAL CODES FOR REQUIREMENT TO CONNECT TO A DEDICATED CIRCUIT.

GENERAL O.R.: ELECTRICAL DETAIL  
PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT  
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REVISION LEVEL: J  
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### SURGICAL LIGHT ELECTRICAL

MOUNT	QTY	DESCRIPTION
C	1	3X008 MONITOR ARM

**NOTES:**  
1. J-BOX AND/OR CONDUIT CONNECTORS IF REQUIRED BY CODE. (BY OTHERS)  
2. SUSPENSION TUBE

**NOTES:**  
1. J-BOXES, ROUGH-IN WALL BOXES, AND CONDUIT SUPPLIED BY CUSTOMER OR CONTRACTOR. TYPE AND QUANTITY DETERMINED BY LOCAL CODE AND WIRE SIZES. RECOMMEND 3/4" CONDUIT.  
2. MULTIMEDIA SYSTEMS MAY REQUIRE 2 OR MORE RUNS OF CONDUIT AND ADDITIONAL J-BOXES OR NEMA BOXES, BY CUSTOMER OR CONTRACTOR TO ACCOMMODATE ALL WIRING. CONSULT WITH INTEGRATOR CONTRACTOR FOR SPECIFICS.  
3. ADDITIONAL 120V/20A SOURCES ARE REQUIRED FOR FLAT PANEL OR OTHER DISPLAYS.  
4. UNLESS OTHERWISE SPECIFIED, ALL WIRING EXTERNAL TO GETINGE SUPPLIED EQUIPMENT, INCLUDING VIDEO SIGNAL AND CABLING FOR INTERFACE TO MULTIMEDIA SYSTEMS ARE TO BE SUPPLIED BY CUSTOMER OR CONTRACTOR.  
5. THE J-BOX MUST BE WITHIN 3' OF THE CENTER SUSPENSION MOUNT ADJACENT TO THE ACCESS PANEL.

GENERAL O.R.: ELECTRICAL DETAIL  
PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT  
DRAWING NUMBER: M1689-007  
SCALE: NTS  
REVISION LEVEL: J  
PAGE #: E2.2

Intermountain Healthcare  
Riverton Hospital  
Endoscopy Room #4

3741 West 12600 South  
Riverton, UT 84005

NJRA Project # 21211.00  
Construction Documents Feb 7, 2022

Equipment  
Drawings

EQ103

FOR REFERENCE ONLY

2/8/2022 4:10:22 PM

**EQUIPMENT CONFIGURATION - MOUNT A** SCALE: NTS  $\frac{1}{-}$

**NOTE: 14 GAS/ELECTRIC LINES MAX PER UNIT  
11 GAS OUTLETS PER PANEL MAX  
9 ELECTRIC OUTLETS PER PANEL MAX**

**ELECTRO-MAGNETIC BRAKES**

AXIS 1 - CEILING  
 AXIS 2

**AMBIENT LIGHTING**

YES **SWITCH LOCATION REQUIRED**  
 NO

**MOTORIZED**

YES **LOCATION OF EMERGENCY STOP REQUIRED**  
 NO

**SHELVING**

NUMBER OF SHELVES PER UNIT 4

QTY  
 SHELF 19" X 17.7"  
 SHELF 27" X 17.7"  
 SHELF 34.9" X 17.7"

**CIRCUIT IDENTIFICATION**

CIRCUIT 1 = A1, A4  
CIRCUIT 2 = A7  
CIRCUIT 3 = B3, B4  
CIRCUIT 4 = B5, B6  
CIRCUIT 5 = B7, B8  
CIRCUIT 6 =

**SPECIAL**

ENGRAVED OUTLET COVERS, SPECIFICATIONS PROVIDED TO GETTINGE BY THE CUSTOMER

**PANEL D**  
FRONT

**PANEL A** GAS ELECTRICAL  
1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
8 8  
9 9  
10 10  
11 11

**PANEL B** GAS ELECTRICAL  
1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
8 8  
9 9  
10 10  
11 11

**PANEL C** GAS ELECTRICAL  
1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
8 8  
9 9  
10 10  
11 11

MOUNT	QTY	DESCRIPTION
A	1	HIS-15 EQUIPMENT BOOM

**LEGEND**

ID	QTY	DESCRIPTION
O	2	OXYGEN
A	1	MEDICAL AIR
V	2	VACUUM
C	2	CARBON DIOXIDE
N		NITROGEN
NO		NITROUS OXIDE
E		WAGD
NP		NITROGEN PANEL
F	7	DATA - FACE PLATE ONLY
D		DATA - CONDUIT/PULL STRING
R	9	RED DUPLEX
W		WHITE DUPLEX
L		LED AMBIENT SWITCH
M		MOTOR CONTROL
NC		NURSE CALL

**GAS OUTLET TYPE**

D.I.S.S.  
 CHEMETRON COMPATIBLE  
 OHMEDA/MEDAS/HILL-ROM  
 PURITAN BENNETT  
 OTHER

**NOTE: BEACON MANUFACTURED OUTLETS UNLESS OTHERWISE SPECIFIED.**

**WIRE TYPE**

5 NO. OF CIRCUITS PER UNIT  
 STANDARD/EMERGENCY POWER BLACK, WHITE, GREEN WIRE  
 ISOLATED POWER ORANGE, BROWN, GREEN WIRE  
 TAMPER RESISTANT DUPLEXES

**RECEPTACLE ORIENTATION**

(A)  (B)

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT  
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REVISION LEVEL: **J**  
PAGE #: **C1.1**

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6 6  
7 7  
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9 9  
10 10  
11 11

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1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
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9 9  
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11 11

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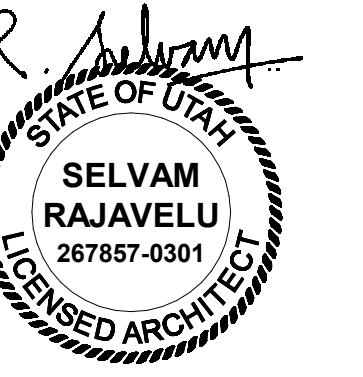
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(A)  (B)

PROJECT: INTERMOUNTAIN MEDICAL CENTER RIVERTON, UT  
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Riverton Hospital  
Endoscopy Room #4

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NJRA Project # 21211.00  
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Equipment Drawings

EQ104

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