

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

LEGEND - MATERIALS

HATCH PATTERN BELOW INDICATES REPRESENTATION OF BUILDING MATERIALS IN BUILDING SECTIONS, WALL SECTIONS AND DETAILS.

Gypsum Board	Blocking
Earth	Gravel
Masonry Brick	Insulation Rigid

GENERAL INFORMATION SYMBOLS & TAGS

<p>SHEET NUMBERING SYSTEM</p> <p>A100A</p> <ul style="list-style-type: none"> A: PROJECT AREA 100: SHEET NUMBER SEQUENCE A: SHEET TYPE 0: DISCIPLINE 	<p>ROOM TAG</p> <p>ROOM NAME: OFFICE-4 155 SF (O.L. 999)</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>DOOR TAG</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>GRID TAG</p> <p>GRID REFERENCE LETTER - A, B, C, ETC. (USED FOR HORIZONTAL GRID SEQUENCE, TYPICALLY FROM LEFT TO RIGHT)</p> <p>GRID REFERENCE NUMBER - 1, 2, 3, ETC. (USED FOR VERTICAL GRID SEQUENCE, TYPICALLY FROM TOP TO BOTTOM)</p>	<p>DATUM POINT TAG</p> <p>CEILING HEIGHT TAG</p> <p>B.O.C. BOTTOM OF CEILING B.O.H. BOTTOM OF HEADER</p> <p>HEIGHT ABOVE FINISH FLOOR</p>	<p>WINDOW TAG</p> <p>WINDOWS TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p>
<p>NORTH ARROW</p> <p>BUILDING SECTIONS</p> <p>SECTION TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS</p> <p>A101</p> <p>SHEET WHERE DRAWN</p>	<p>SPOT ELEVATION</p> <p>T.O.W. TOP OF WALL T.O.C. TOP OF CURB D.B.E. DECK BEARING ELEVATION F.F.E. FINISH FLOOR ELEVATION B.O.V. BOTTOM OF VENEER T.O.S. TOP OF SIDEWALK T.O.C. TOP OF CURB</p> <p>100'-0"</p>	<p>FLOOR FINISH TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR FLOOR COVERING AND FINISHES REQUIRED.</p>
<p>WALL SECTIONS</p> <p>SECTION TAGS ARE INDICATED ON DIMENSION FLOOR PLANS</p> <p>A101</p> <p>SHEET WHERE DRAWN</p>	<p>VERTICAL ELEVATION</p> <p>LEVEL 100'-0"</p> <p>DENOTES FLOOR LEVEL</p> <p>DENOTES BUILDING REFERENCE ELEVATION</p>	<p>WALL BASE TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL BASE TYPE.</p>
<p>DETAIL TAGS</p> <p>DETAIL NUMBER</p> <p>A506</p> <p>SHEET WHERE DRAWN</p>	<p>FLOW ARROW</p> <p>WATER DRAINAGE DIRECTION SHOWN ON SITE AND ROOF PLANS FROM HIGH TO LOW POINT.</p>	<p>WALL FINISH TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR WALL FINISHES REQUIRED.</p>
<p>DETAIL TAGS</p> <p>DETAIL NUMBER</p> <p>A506</p> <p>SHEET WHERE DRAWN</p>	<p>FLOOR PLAN MATCHLINE</p> <p>DETAIL LOCATION NUMBER</p> <p>3 / A101</p> <p>SHEET WHERE DRAWN</p>	<p>CEILING FINISH TAG</p> <p>TAGS ARE INDICATED ON REFLECTED CEILING PLAN. SEE FINISH SCHEDULE, SHEET A603A. FOR CEILING FINISHES REQUIRED.</p>
<p>EXTERIOR ELEVATION TAGS</p> <p>TAGS ARE INDICATED ON OVERALL DIMENSION FLOOR PLANS AND KEY PLAN</p> <p>2 A202</p> <p>SHEET WHERE DRAWN</p>	<p>REVISION TAG</p> <p>CLOUD INDICATES DRAWING REVISION AREA</p> <p>REVISION NUMBER</p>	<p>OTHER FINISH TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN & INTERIOR ELEVATIONS. SEE FINISH SCHEDULE, SHEET A603A. FOR FINISHES REQUIRED.</p>
<p>INTERIOR ELEVATION TAGS</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLANS</p> <p>1 A232</p> <p>SHEET WHERE DRAWN</p>	<p>KEYED NOTES - PROJECT SPECIFIC</p> <p>KEYED NOTES THAT ARE PROJECT SPECIFIC AS INDICATED ON PLANS, SECTIONS AND ELEVATIONS</p> <p>0020</p> <p>DIVISION #</p> <p>DIVISION NOTE</p>	<p>CABINET TAG</p> <p>CABINET TYPES ARE INDICATED ON INTERIOR ELEVATIONS & CABINET LEGEND, SHEET A505A.</p>
	<p>KEYED NOTES - GENERIC</p> <p>KEYED NOTES THAT ARE NOT PROJECT SPECIFIC AS INDICATED ON GENERIC, TYPICAL DETAILS.</p> <p>02</p>	<p>SIGN TAG</p> <p>TAGS ARE INDICATED ON FINISH FLOOR PLAN. SEE SIGN TYPE DETAIL - /...</p>
	<p>WALL TAG</p> <p>WALL TAGS ARE INDICATED ON DIMENSION FLOOR PLANS. WALL TYPES ARE INDICATED IN SHEET A501A.</p> <p>A1</p>	

Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

General Information

G003

DOORS AND DOORWAYS

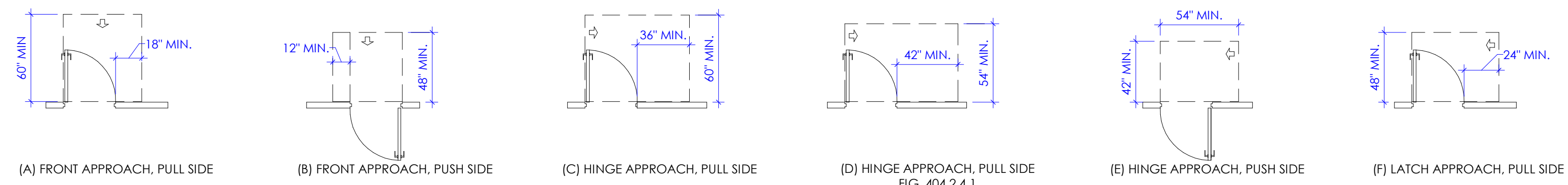
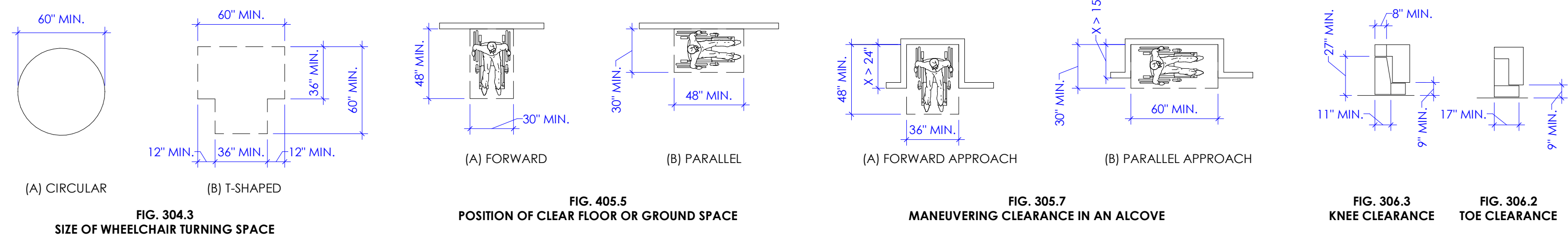


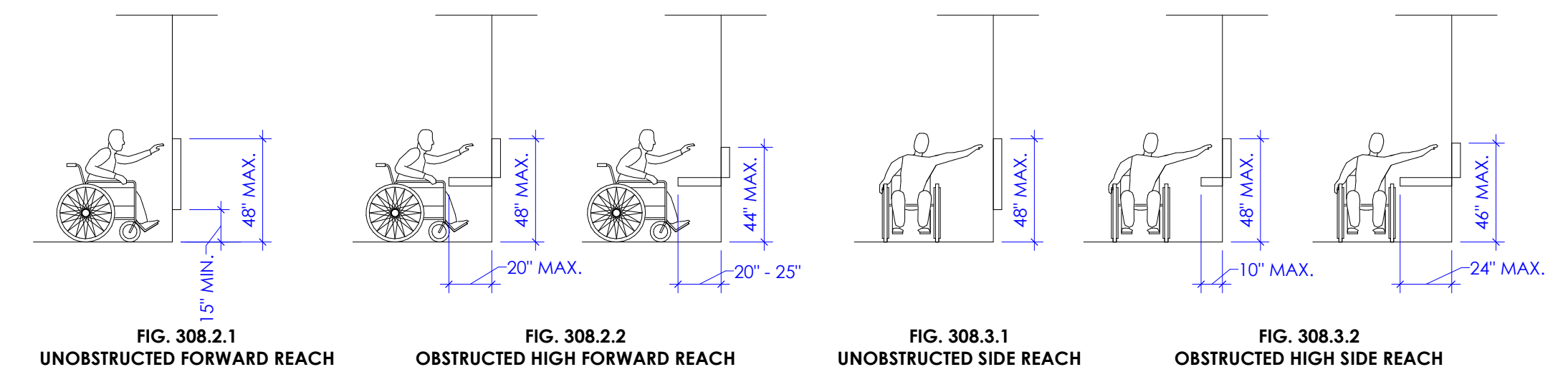
FIG. 404.2.4 TWO DOORS IN A SERIES

FIG. 404.2.4.2 MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

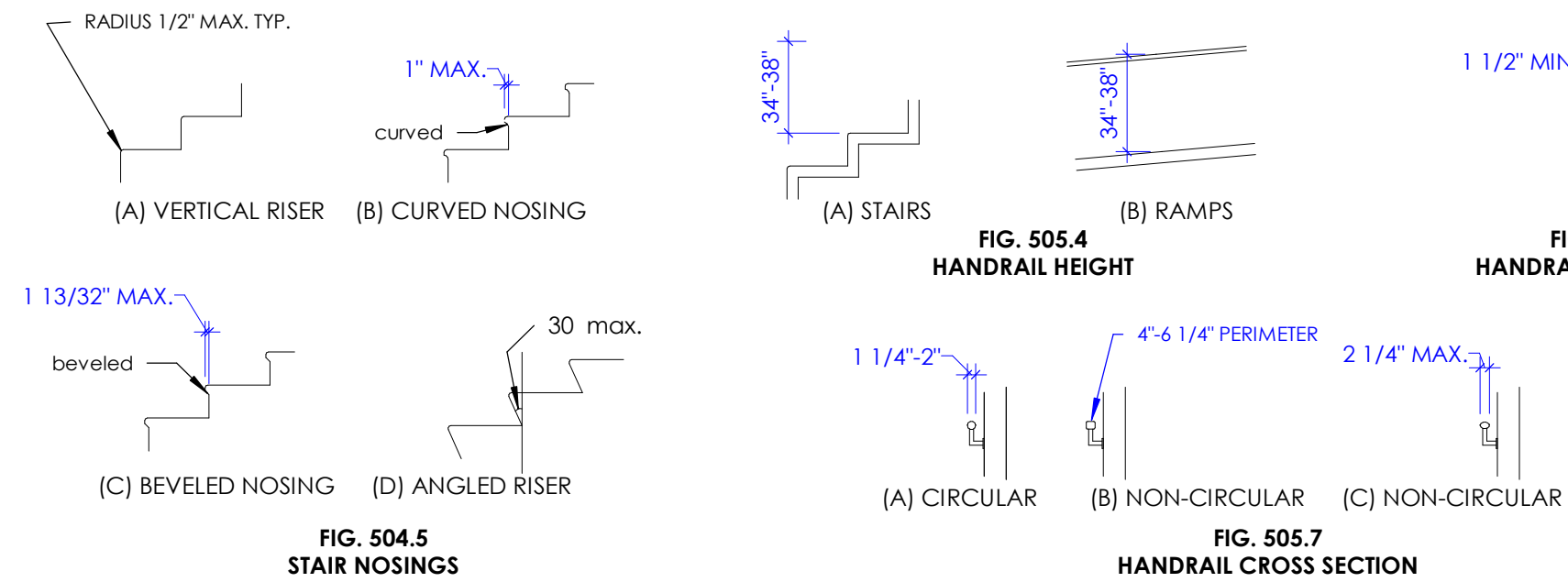
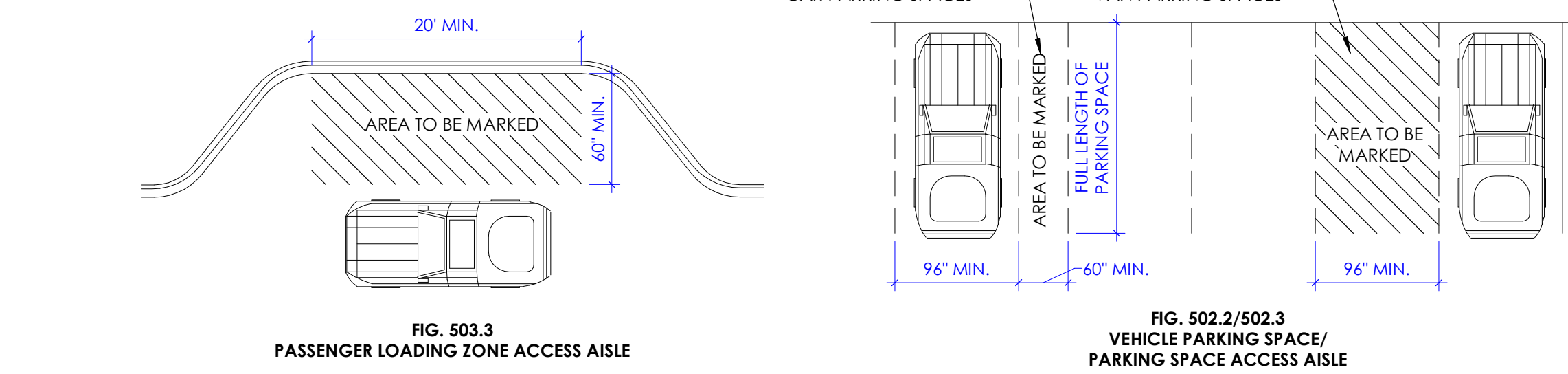
CLEAR FLOOR SPACE



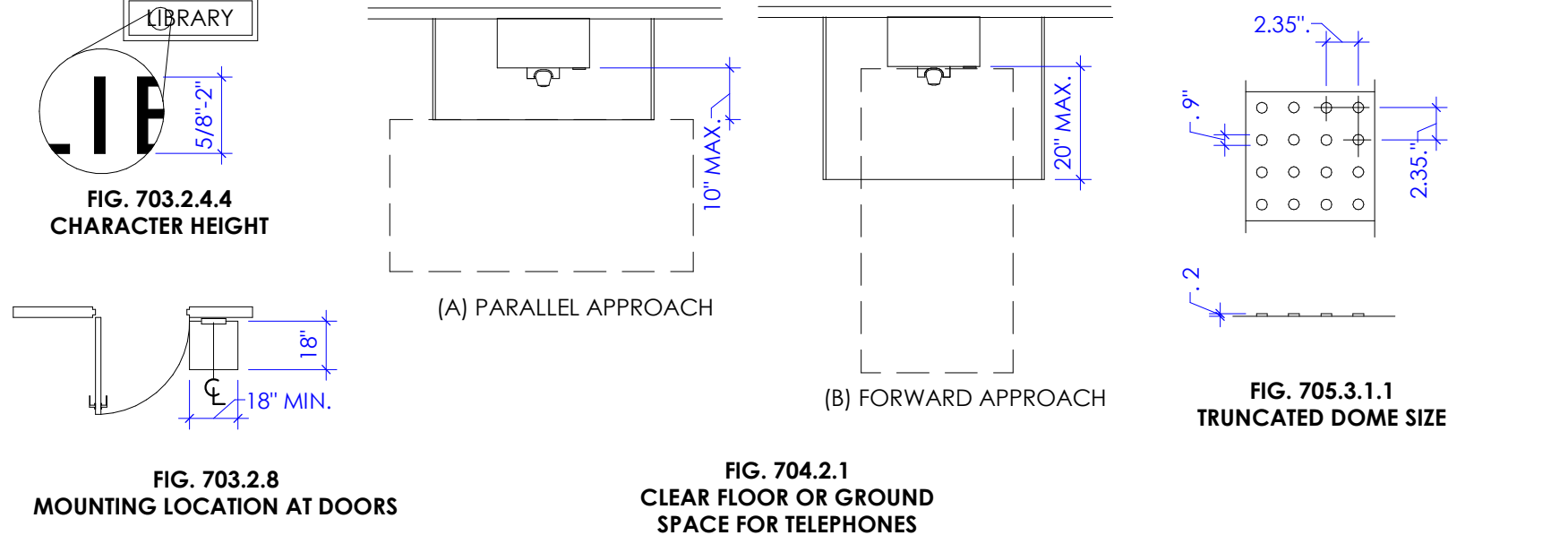
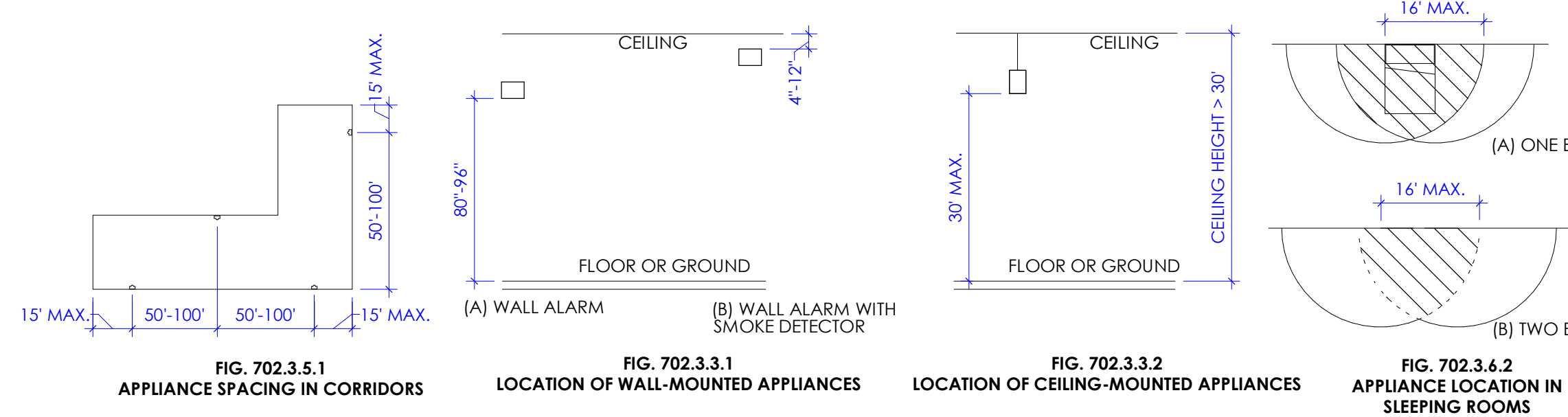
REACH RANGES



GENERAL SITE AND BUILDING ELEMENTS



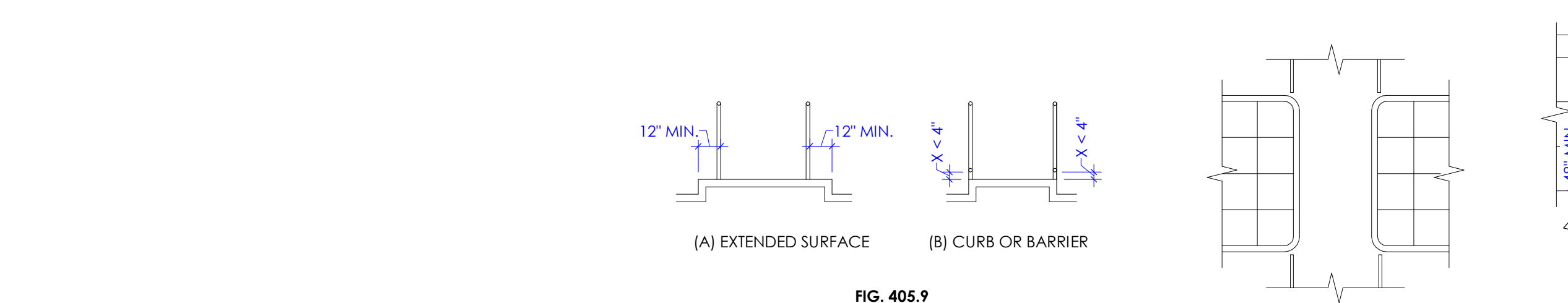
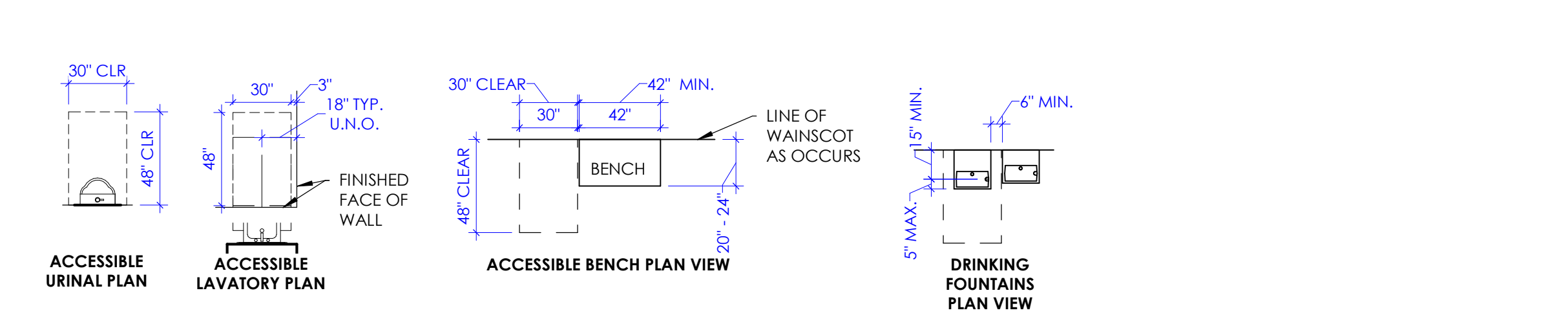
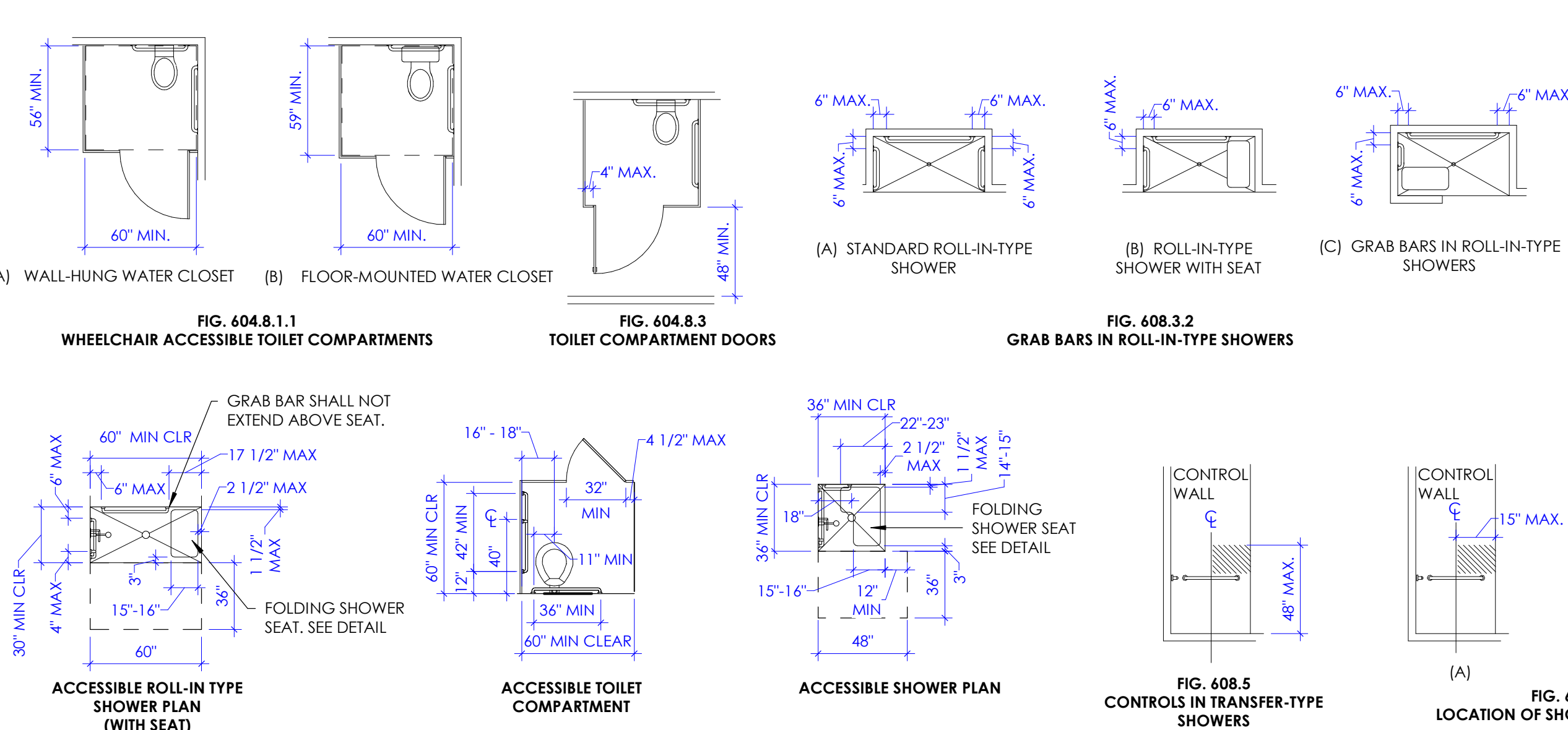
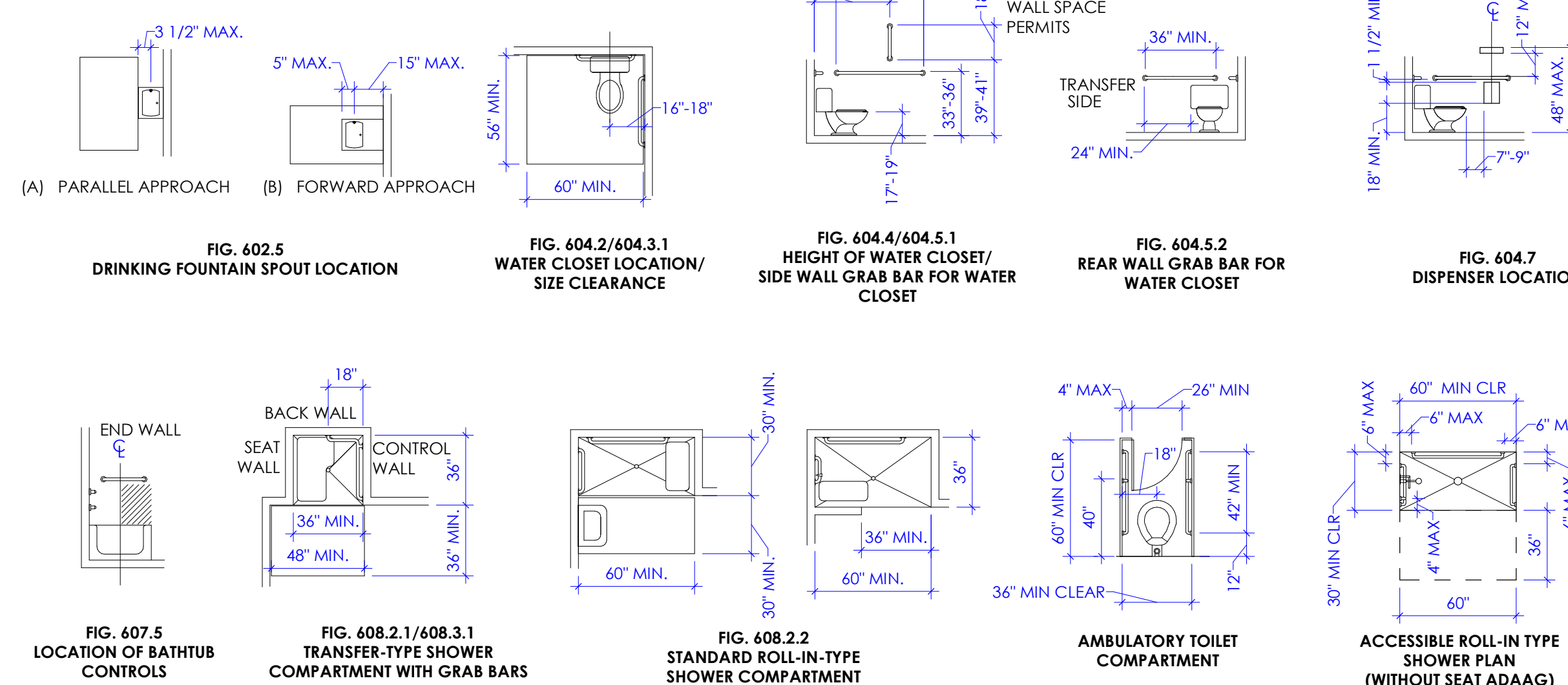
COMMUNICATION ELEMENTS AND FEATURES



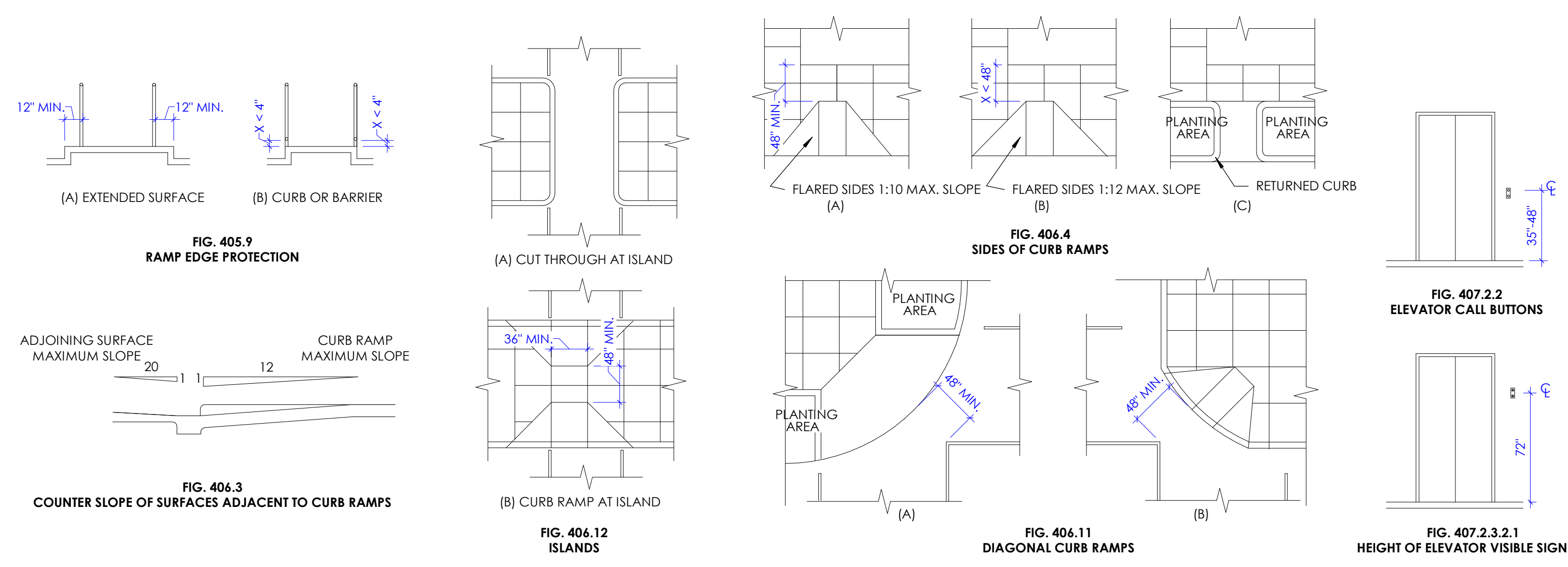
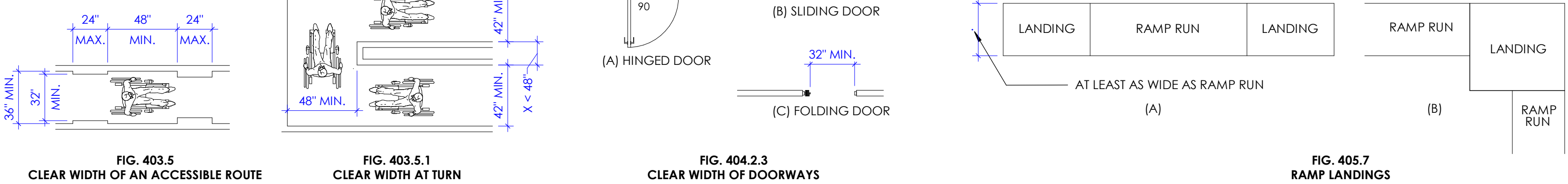
BUILDING BLOCKS

PROTRUDING OBJECTS

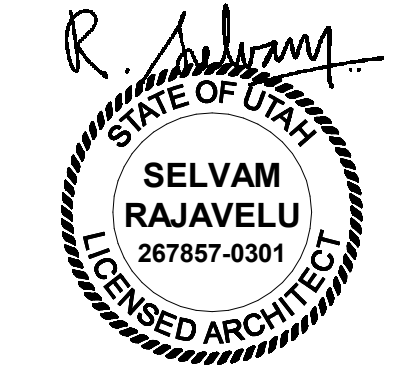
PLUMBING ELEMENTS AND FACILITIES



ACCESSIBLE ROUTES

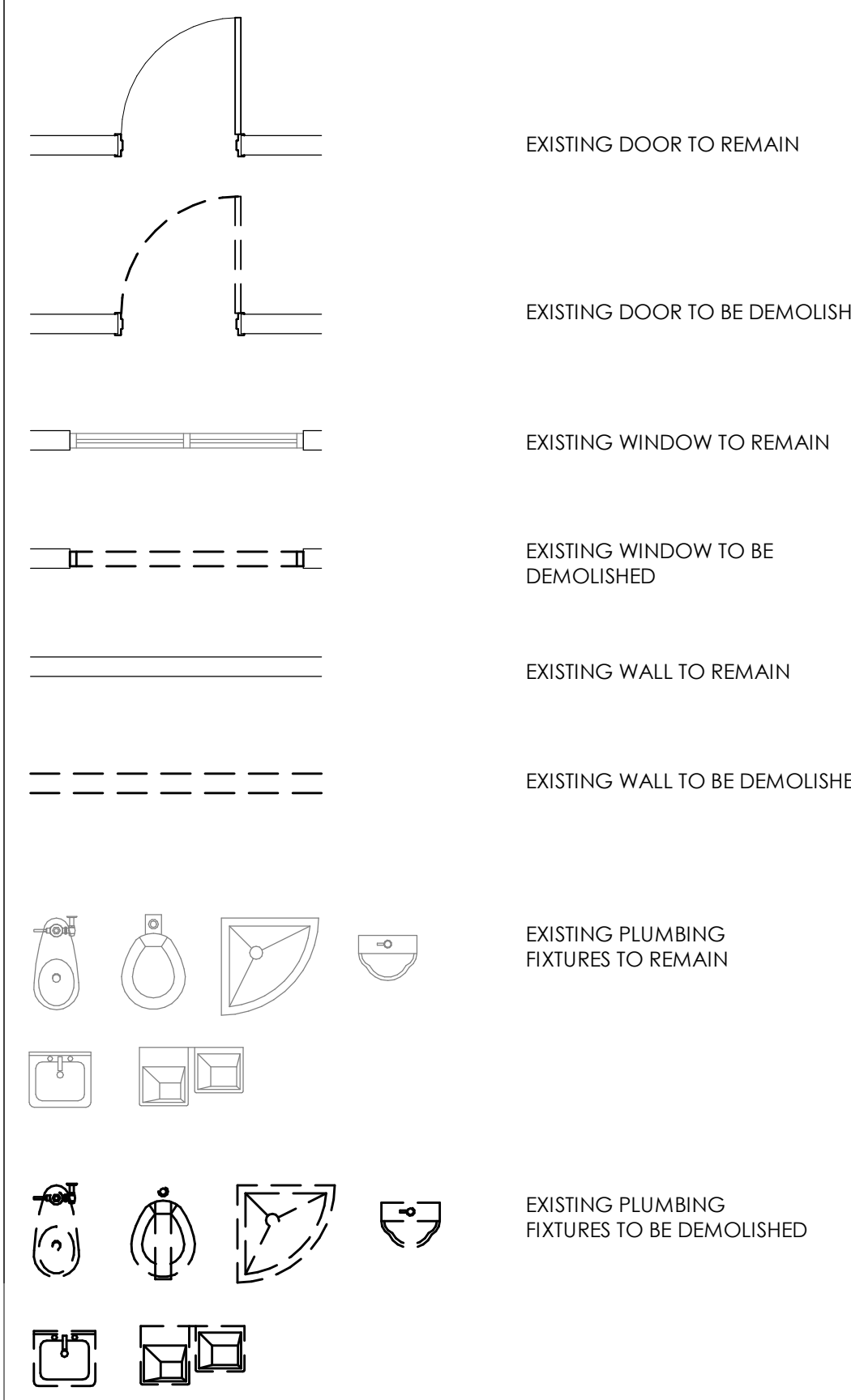


1/30/2023 6:12:09 PM



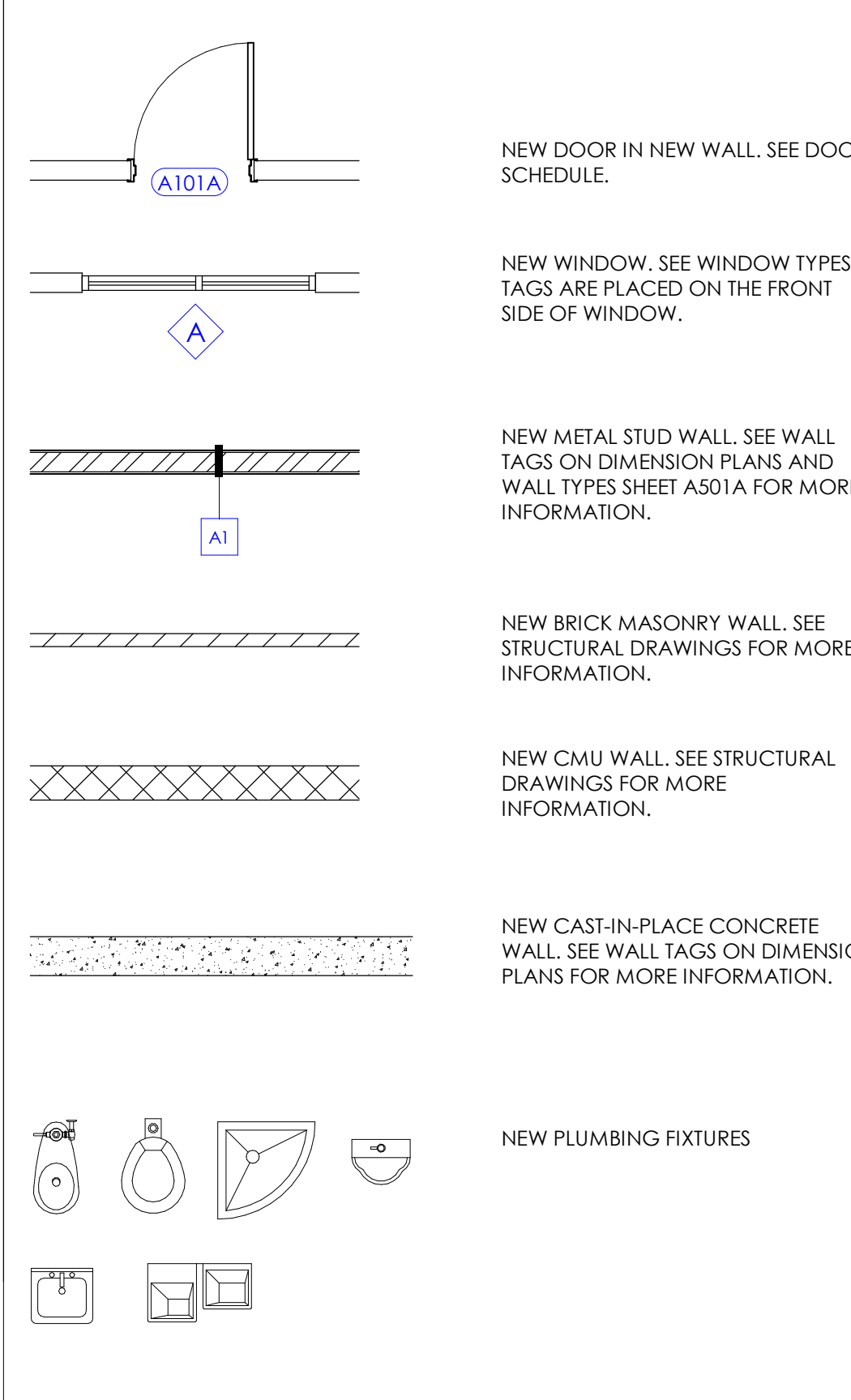
LEGEND - DEMOLITION FLOOR PLAN

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.



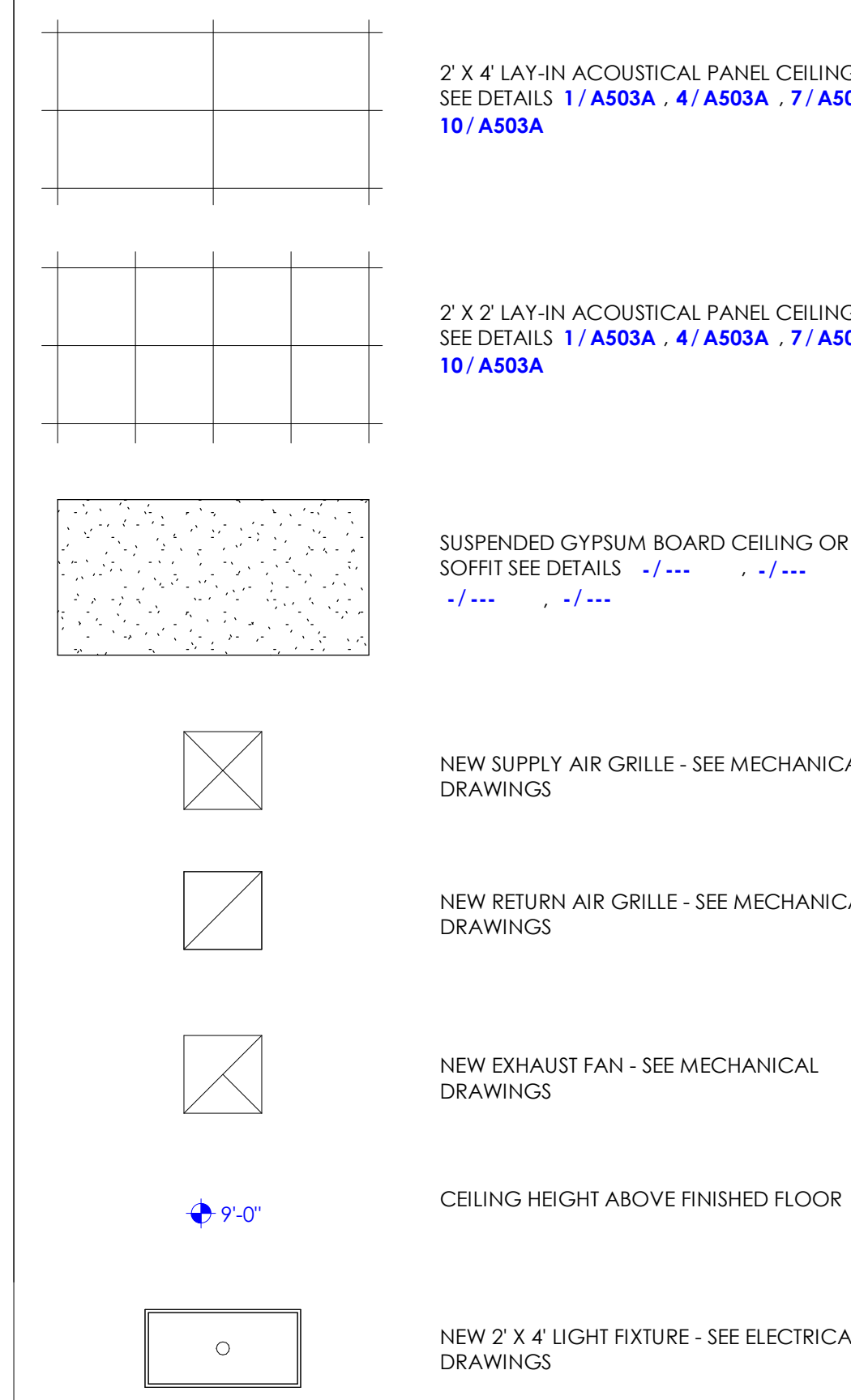
LEGEND - FLOOR & DIMENSION PLANS

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.



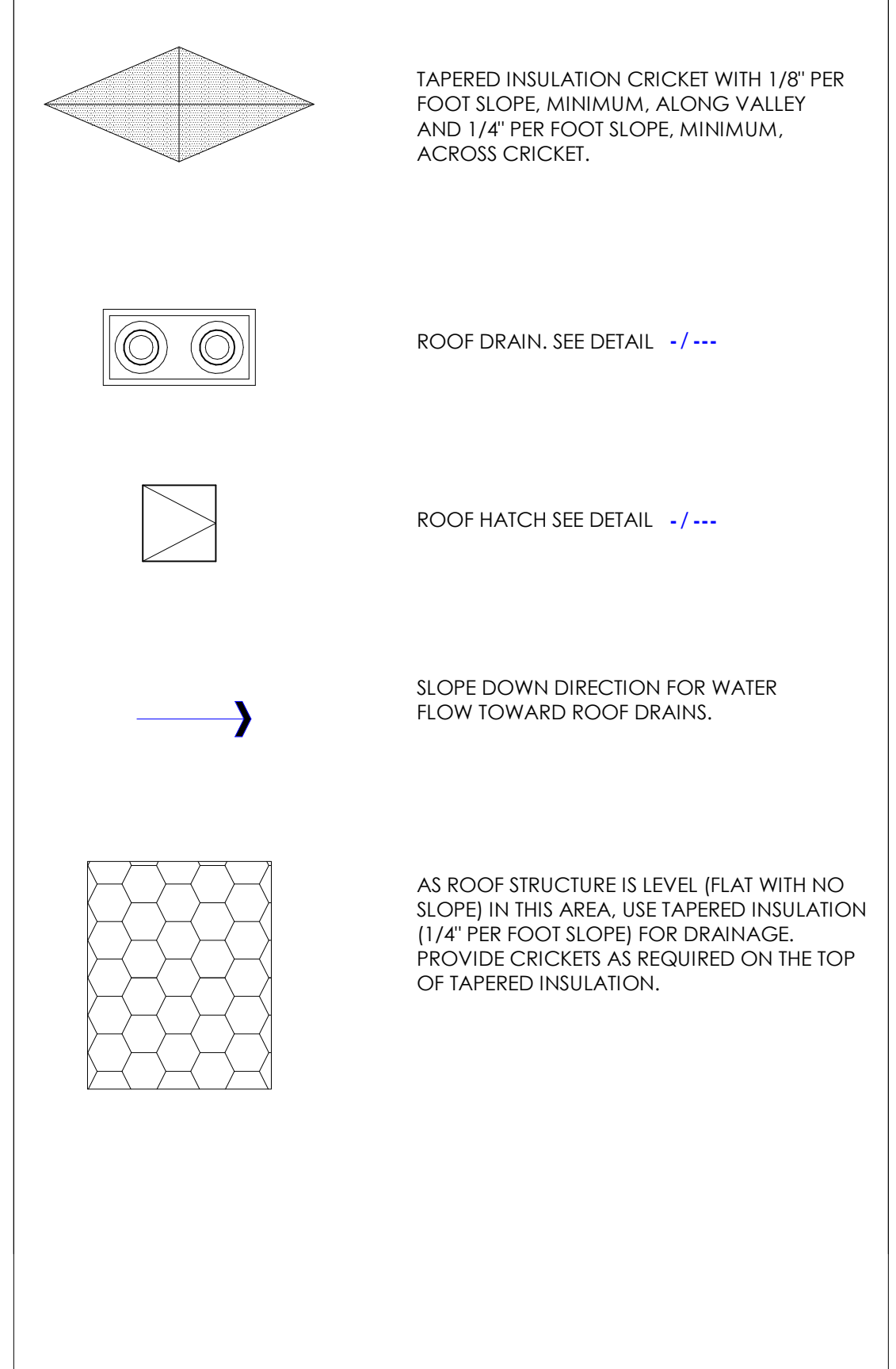
LEGEND - REFLECTED CEILING PLAN

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.



LEGEND - ROOF PLAN

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



GENERAL NOTES

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

GENERAL NOTES - DEMOLITION FLOOR PLAN

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

GENERAL NOTES - FLOOR & DIM. PLANS

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

GENERAL NOTES - REFLECTED CEILING PLAN

- SEE MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS IN CEILING. CONTRACTOR SHALL COORDINATE WITH LIGHT FIXTURES (AS INDICATED IN ELECTRICAL DRAWINGS) AND MOVE DIFFUSERS AROUND THE LIGHT FIXTURE IF THERE IS ANY CONFLICT BETWEEN THE TWO.
- SOME OF THE ITEMS ON CEILING INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS, MAY OR MAY NOT BE INDICATED ON ARCHITECTURAL CEILING PLANS. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE WITH ARCHITECT FOR ANY REQUIRED CLARIFICATIONS.
- CONTRACTOR SHALL NOT HANG CEILING TILES AND LIGHTS FROM DUCTS. FOR AREAS ABOVE THE CEILING WHERE OVERSIZE DUCTS OCCUR SEE DETAIL -/-/-
- 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 PRE FINISHED ITEMS.

GENERAL NOTES - DOOR SCHEDULE

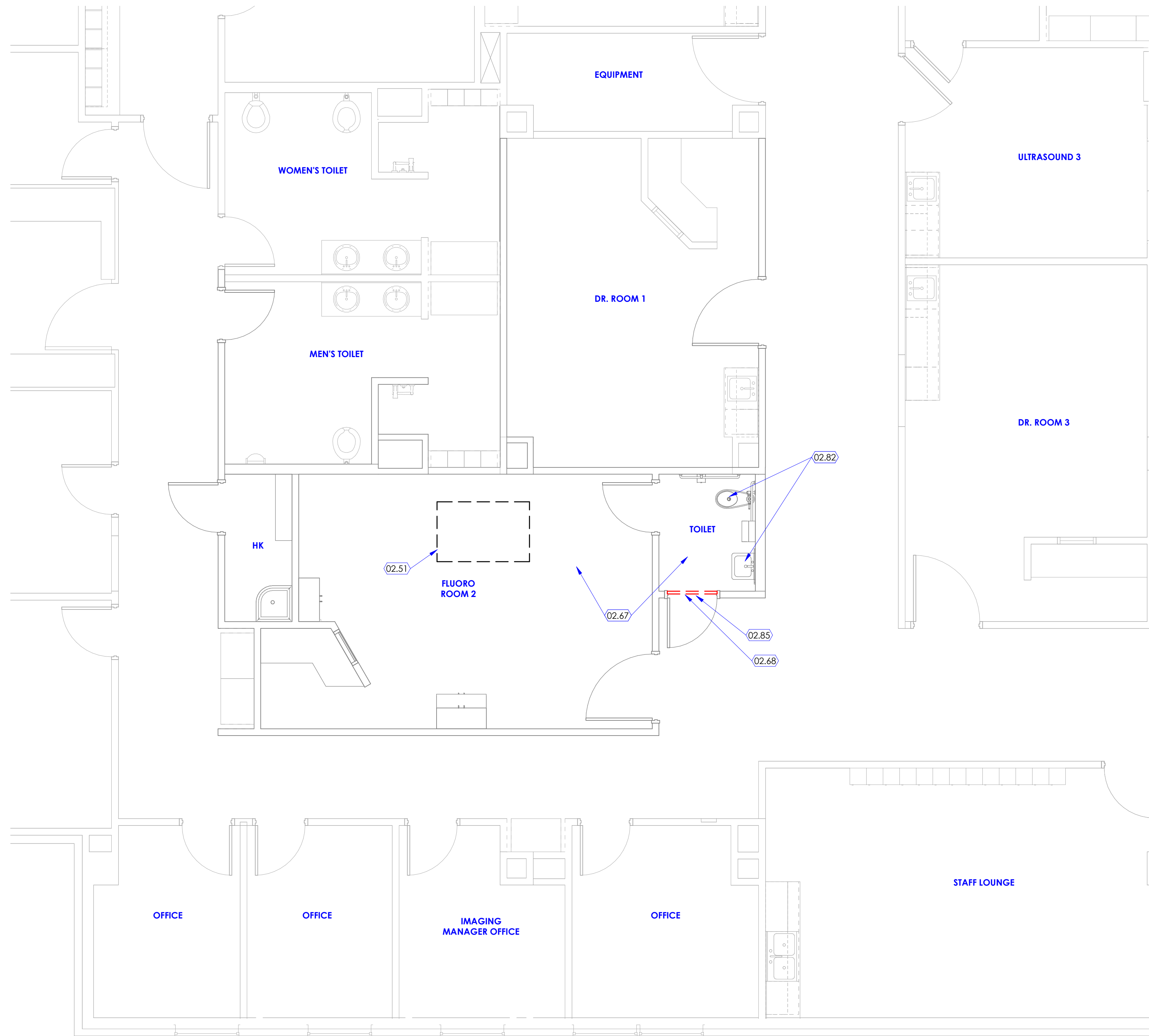
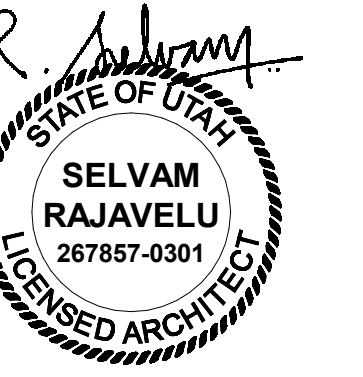
- SEE PROJECT MANUAL FOR DOOR HARDWARE SCHEDULE.
- SUB-CONTRACTOR UNDER SECTION 'ALUMINUM ENTRANCES AND STOREFRONT' SHALL PROVIDE ALL THE DOOR HARDWARE FOR ALL ALUMINUM DOORS. SEE DOOR SCHEDULE FOR ALUMINUM DOORS AND THE REQUIRED HARDWARE.
- SUB-CONTRACTOR UNDER SECTION 'DOOR HARDWARE' SHALL PROVIDE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

GENERAL NOTES - ROOF PLAN

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

GENERAL NOTES - INTERIOR ELEVATIONS

- PROVIDE LOCKS FOR CABINETS AS INDICATED ON THE CABINET LEGEND ON SHEET A505A AND IF INDICATED ON INTERIOR ELEVATIONS.
- IN ROOMS WHERE CABINETS ARE REQUIRED TO BE LOCKED, PROVIDE LOCKS OPERABLE WITH SINGLE KEY.
- FOR TYPICAL MOUNTING HEIGHTS, SEE SHEET G003. FOLLOW THE HEIGHT UNLESS NOTED OTHERWISE IN INTERIOR ELEVATIONS. VERIFY WITH ARCHITECT FOR ITEMS NOT INDICATED.
- CONTRACTOR SHALL VERIFY WITH OWNER FOR OWNER FURNISHED CONTRACTOR INSTALLED ITEMS AND PROVIDE BACKING IN WALL AS REQUIRED FOR INSTALLATION.
- INTERIOR ELEVATIONS OF CERTAIN ROOMS ARE NOT DRAWN AND ARE NOTED AS SIMILAR ELEVATIONS OF ROOMS THAT ARE INDICATED IN THE DRAWINGS.
- CONTRACTOR SHALL PROVIDE FILLER PANELS (PLASTIC LAMINATE WRAPPED OVER 5/8" PARTICLE BOARD) WHEREVER GAP OCCURS BETWEEN CABINETS AND WALL.
- SEE FINISH FLOOR PLANS AND FINISH SCHEDULE A603A FOR WALL, CABINET AND COUNTERTOP FINISHES.
- SEE SHEET A505A FOR CABINET LEGEND (TYPES B1, W1, T1, ETC.), UNLESS NOTED OTHERWISE. ALL THE CABINETS AND COUNTERTOPS IN EACH ROOM SHALL BE OF THE SAME FINISH (P1, P2, S1, ETC.) AS INDICATED ON THE INTERIOR ELEVATION OF EACH ROOM. WHERE MULTIPLE FINISHES ARE REQUIRED FOR CABINETS, WALLS, ETC. IN THE ROOM, EACH FINISH IS INDICATED SEPARATELY. CONTACT ARCHITECT FOR REQUIRED CLARIFICATIONS.
- COUNTERTOPS ARE TYPICALLY SUPPORTED BY WALLS AND BASE CABINETS. IN PLACES WHERE COUNTERTOP SPAN EXCEEDS 4'-0", STEEL SUPPORTS SHALL BE PROVIDED AS INDICATED IN DETAILS -/-/- AND -/-/-
- AS INDICATED ON INTERIOR ELEVATIONS, WALL CABINETS AT CERTAIN LOCATIONS MAY REQUIRE A VERTICAL OR A SLOPED FASCIA PANEL.
- AN ENLARGED FLOOR PLAN HAS BEEN INCLUDED ALONG WITH INTERIOR ELEVATIONS FOR ROOMS THAT ARE COMPLEX IN DESIGN. SUCH COMPLEX ROOMS ARE INDICATED ON THE A400 SERIES SHEETS (STARTING WITH SHEET A401). ENLARGED FLOOR PLANS ARE NOT SHOWN FOR ROOMS THAT ARE SIMPLE IN DESIGN. INTERIOR ELEVATIONS OF SUCH SIMPLE ROOMS ARE INDICATED ON THE A250 SERIES SHEETS (STARTING WITH SHEET A251).
- FOR ALL CABINETS PROVIDE BACKING IN WALL AS PER DETAIL 3/A505B.



KEYED NOTES

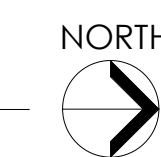
- 02.51 X-RAY UNIT FLOOR PLATE, EXISTING TO BE REMOVED. PATCH ANCHOR BOLT HOLES WITH HIGH PRESSURE GROUT.
- 02.67 PROVIDE VACUUM MACHINE WITH DOUBLE HEPA FILTER FILTRATION SYSTEM TO MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE. DURING CONSTRUCTION PHASE, MOUNT TEMPORARY PRESSURE MONITORS (WITH ALARM CAPABILITIES) ON THE WALL TO MAINTAIN REQUIRED NEGATIVE PRESSURE 24 HOURS A DAY AND 7 DAYS IN THE WEEK. CONTRACTOR SHALL PROVIDE CONTINUOUS AIR FLOW MONITORING TO ENSURE THE DIFFERENTIAL PRESSURE OF -.01 MIN. IS MAINTAINED BETWEEN CONTAINMENT AREAS AND CORRIDORS (-.02 IS PREFERRED).
- 02.68 EXHAUST FILTERED AIR HERE TO CORRIDOR OR TO EXTERIOR.
- 02.82 COVER AND TIGHTLY SEAL EXISTING TOILET AND SINK DRAINS AND FLOOR DRAIN IF PRESENT WITH PLASTIC.
- 02.85 DUST PARTITION (FROM FLOOR TO CEILING) WITH DOORS AS REQUIRED TO ACCESS CONSTRUCTION ZONE. LOCATE AND ALIGN PARTITION WITH CEILING GRID (AND/OR GYPSUM BOARD CEILING WHERE OCCURS) ABOVE AS MUCH AS POSSIBLE FOR A TIGHT SEAL. IF THERE IS A CONFLICT, WHERE PARTITION ABUTS CEILING, MOVE ITEMS MOUNTED ON CEILING SUCH AS EXIT SIGN, FIRE/SMOKE ALARM, LIGHT FIXTURE, DIFFUSER, RETURN AIR GRILLE, SENSOR, ETC., TEMPORARILY AWAY FROM THE LOCATION. PROVIDE ANTE ROOM AS INDICATED. MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE WITH REQUIRED PORTABLE VACUUM MACHINE (OR EXHAUST FANS), WITH HEPA FILTERS, TEMPORARY FLEXIBLE HOSE TYPE DUCTS TO EXHAUST FILTERED AIR AS INDICATED. DUST PARTITION SHALL BE FIRE RATED, POLYCARBONATE, TRANSLUCENT, PLASTIC PANELS WITH METAL FRAMES ON ALL SIDES. INSTALL PARTITION PER MANUFACTURER'S RECOMMENDATIONS. PARTITION MANUFACTURER SHALL BE "EDGE-GUARDED" OR EQUIVALENT. MOVE ACCESS DOOR TO THE CONSTRUCTION ZONE AS REQUIRED DURING THE CONSTRUCTION PHASE. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

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

1/30/2023 6:11:36 PM

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



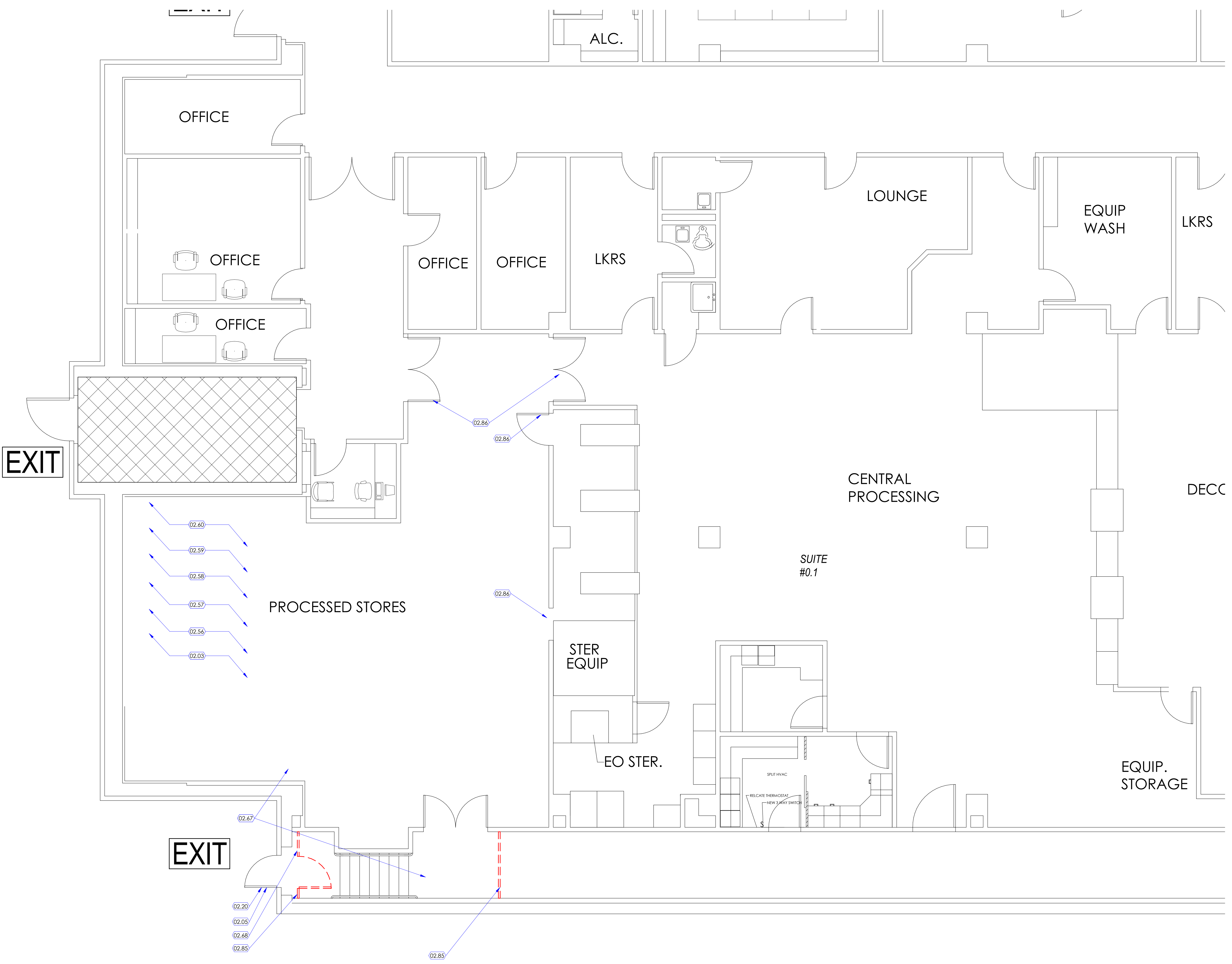
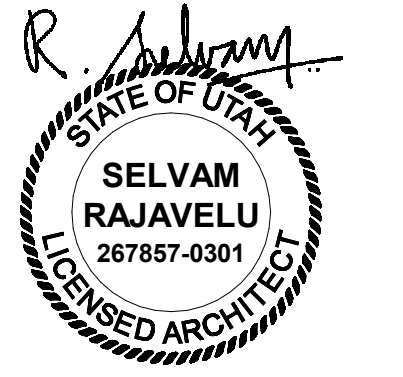
Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

Demolition
Floor Plan
Level 1

A111



KEYED NOTES

- 02.03 WALL AND FLOOR FINISHES FLOORING, WALL BASE, WALL COVERING, WALL PROTECTION SHEETS, WAINSCOT, CORNER GUARDS, ACOUSTICAL PANELS, ETC.), EXISTING TO REMAIN. PROTECT FINISHES FROM DAMAGE DURING CONSTRUCTION. IF DAMAGED AS A RESULT OF CONSTRUCTION OR CONSTRUCTION RELATED ACTIVITIES, REPAIR OR REPLACE FINISH TO MATCH ADJACENT FINISHES.
- 02.05 DOOR AND FRAME, EXISTING TO REMAIN. PROTECT DOOR AND FRAME FROM DAMAGE DURING CONSTRUCTION. IF DAMAGED AS A RESULT OF CONSTRUCTION OR CONSTRUCTION RELATED ACTIVITIES, REPAIR OR REPLACE.
- 02.20 EXISTING DOOR TO REMAIN CLOSED AND LOCKED OUTSIDE OF CONSTRUCTION HOURS. COORDINATE AND NOTIFY BUILDING SECURITY OF SCHEDULED CONSTRUCTION HOURS.
- 02.56 ALL ABOVE CEILING WORK REQUIRED TO INSTALL THROUGH BOLTS FOR NEW X-RAY UNIT MOUNTING PLATE IN THIS AREA TO BE PERFORMED STARTING NOT EARLIER THAN FRIDAY 4:00PM AND NOT LATER THAN 11:59PM SUNDAY. COORDINATE EXACT DATES WITH OWNER.
- 02.57 IN PREPARATION FOR THE WORK BY THE CONTRACTOR REQUIRED TO INSTALL THROUGH BOLTS FOR X-RAY UNIT MOUNTING PLATE ABOVE THE OWNER SHALL REMOVE THE EXISTING CEILING TILES AND INSTALL NEW CEILING TILES AT THE EXISTING CEILING GRID SIMULTANEOUSLY WITH THE WORK BEING PERFORMED BY THE CONTRACTOR IN THIS AREA. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE EXTENTS OF THE CEILING AREA REQUIRED TO PERFORM THE ABOVE CEILING WORK. REMOVE EXISTING CEILING GRID AS REQUIRED AFTER THE ABOVE CEILING WORK IS COMPLETE. AS PART OF PRIOR COORDINATION BY THE CONTRACTOR WITH THE OWNER, THE OWNER WILL PROVIDE SUFFICIENT NUMBER OF NEW CEILING TILES FOR THE CONTRACTOR TO REPLACE ONCE THE WORK ABOVE CEILING IS COMPLETE AND ANY NECESSARY REPAIRS ARE MADE TO THE CEILING GRID.
- 02.58 REMOVE AND REINSTALL ANY DUCTS, MECHANICAL PIPING, FIRE SPRINKLER LINES, AND CONDUIT ABOVE CEILING AS REQUIRED TO INSTALL THROUGH BOLTS FOR NEW X-RAY UNIT MOUNTING. COORDINATE ANY SHUTDOWNS WITH OWNER IN ACCORDANCE WITH OWNER'S GENERAL CONDITIONS.
- 02.59 EXISTING DOORS TO REMAIN CLOSED DURING CONSTRUCTION. COVER DOORS OR OPENING WITH PLASTIC SHEET AND SEAL CONTINUOUSLY AROUND EDGES TO WALLS WITH TAPE.
- 02.60 TIGHTLY SEAL EXISTING TRANSFER AND SUPPLY AIR GRILLES WITH PLASTIC. SEAL TIGHTLY AROUND EDGES CONTINUOUSLY WITH ADHESIVE TAPE.
- 02.67 PROVIDE VACUUM MACHINE WITH DOUBLE HEPA FILTER FILTRATION SYSTEM TO MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE. DURING CONSTRUCTION PHASE, MOUNT TEMPORARY PRESSURE MONITORS (WITH ALARM CAPABILITIES) ON THE WALL TO MAINTAIN REQUIRED NEGATIVE PRESSURE 24 HOURS A DAY AND 7 DAYS IN THE WEEK. CONTRACTOR SHALL PROVIDE CONTINUOUS AIR FLOW MONITORING TO ENSURE THE DIFFERENTIAL PRESSURE OF -.01 MPH. IS MAINTAINED BETWEEN CONTAINMENT AREAS AND CORRIDORS (-.02 IS PREFERRED).
- 02.68 EXHAUST FILTERED AIR HERE TO CORRIDOR OR TO EXTERIOR.
- 02.85 DUST PARTITION (FROM FLOOR TO CEILING) WITH DOORS AS REQUIRED TO ACCESS CONSTRUCTION ZONE. LOCATE AND ALIGN PARTITION WITH CEILING GRID (AND/OR GYPSUM BOARD CEILING WHERE OCCURS) ABOVE AS MUCH AS POSSIBLE FOR A TIGHT SEAL. IF THERE IS A CONFLICT WHERE PARTITION ABUTS CEILING, MOVE ITEMS MOUNTED ON CEILING SUCH AS EXIT SIGN, FIRE/SMOKE ALARM, LIGHT FIXTURE, DIFFUSER, RETURN AIR GRILLE, SENSOR, ETC., TEMPORARILY AWAY FROM THE LOCATION. PROVIDE ANTE ROOM AS INDICATED. MAINTAIN NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE WITH REQUIRED PORTABLE VACUUM MACHINE (OR EXHAUST FANS), WITH HEPA FILTERS, TEMPORARY FLEXIBLE HOSE TYPE DUCTS TO EXHAUST FILTERED AIR AS INDICATED. DUST PARTITION SHALL BE FIRE RATED, POLYCARBONATE, TRANSLUCENT, PLASTIC PANELS WITH METAL FRAMES ON ALL SIDES. INSTALL PARTITION PER MANUFACTURER'S RECOMMENDATIONS. PARTITION MANUFACTURER SHALL BE "EDGE-GUARD" OR EQUIVALENT. MOVE ACCESS DOOR TO THE CONSTRUCTION ZONE AS REQUIRED DURING THE CONSTRUCTION PHASE. SEE "ICRA" (INFECTION CONTROL RISK ASSESSMENT) REQUIREMENTS AND ICRA WORK PERMIT FORM IN THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- 02.86 TIGHTLY SEAL WITH ADHESIVE TAPE BETWEEN DOOR AND DOOR FRAME AND DOOR AND FLOOR BELOW. THIS SEAL SHALL BE AIR TIGHT TO MAINTAIN THE NEGATIVE PRESSURE IN THE CONSTRUCTION ZONE.

GENERAL NOTES

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

Intermountain Healthcare
 LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

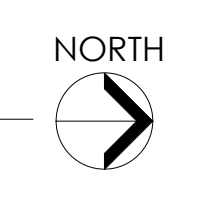
NJRA Project # 22246.00
 Bid Set Jan 30, 2023

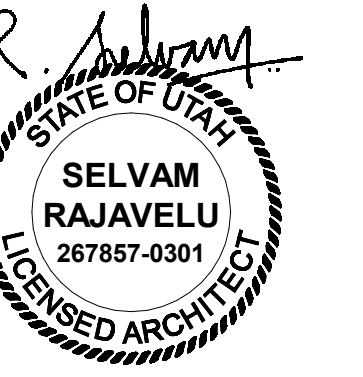
Floor Plan
 Lower Level

A112

1/30/2023 6:11:39 PM

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



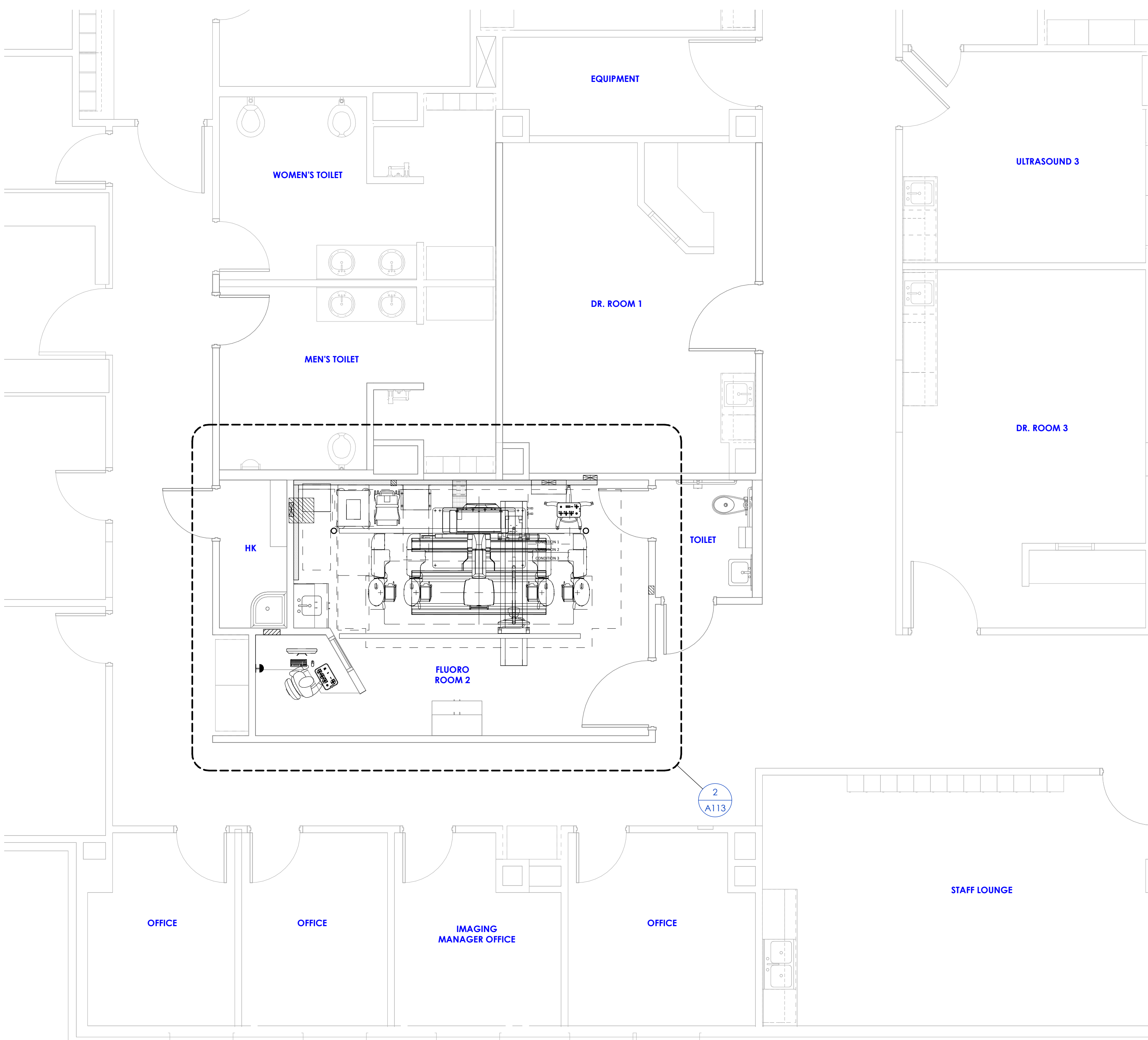


KEYED NOTES

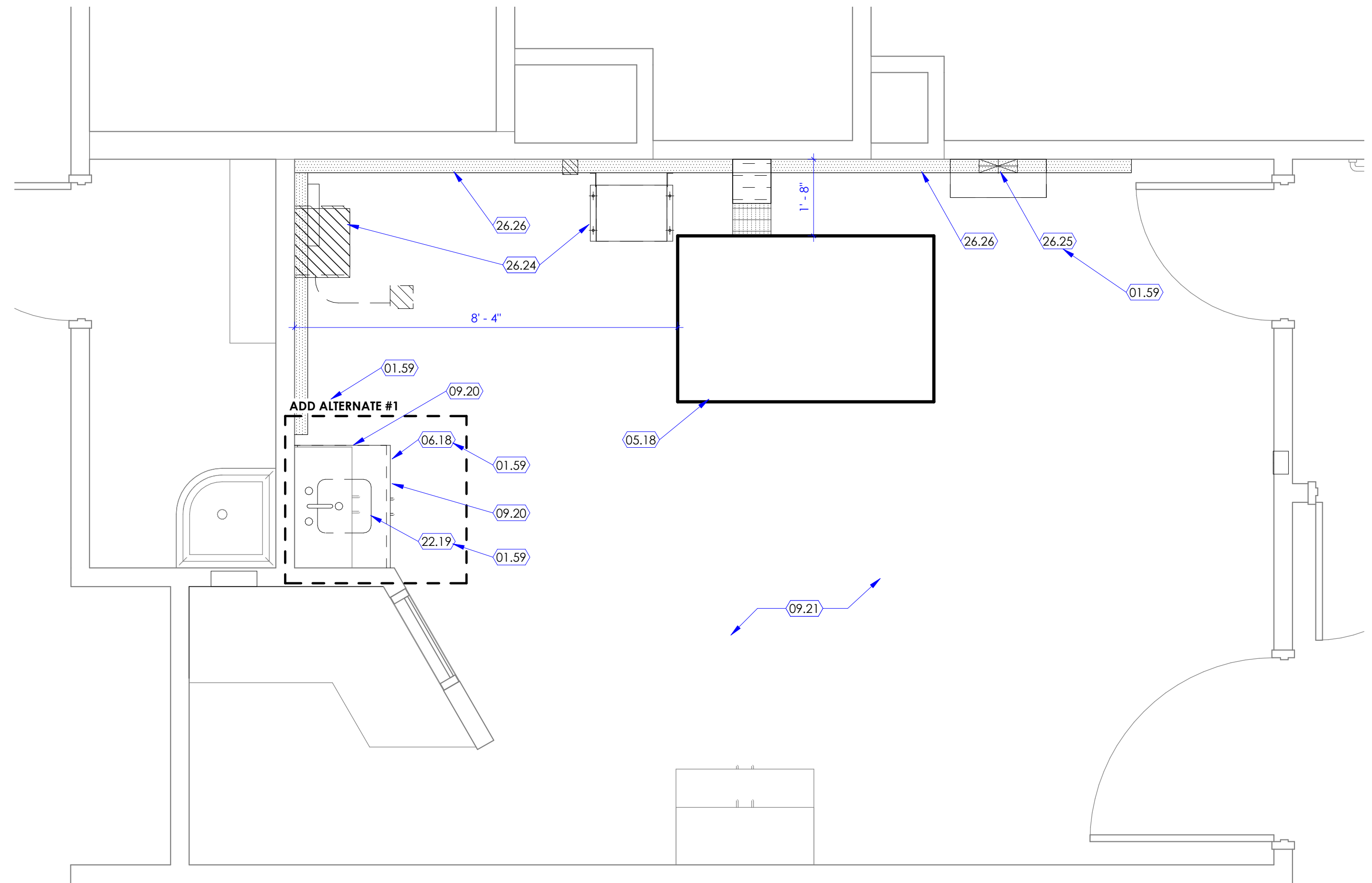
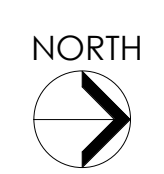
- 01.59 AS PART OF THE BASE BID INCLUDE NEW CIRCUITRY FOR THE NEW ELECTRICAL DISCONNECT. AS PART OF ADD ALTERNATE #2, DEMO EXISTING CONDUIT RUN TO ELECTRICAL CLOSET AND INCLUDE NEW CONDUIT TO ACCOMMODATE NEW CIRCUITRY (CIRCUITRY INCLUDED IN BASE BID). CONDUIT REPLACEMENT MUST BE PERFORMED USING CONTAINMENT CART PROVIDED BY OWNER AND IN ACCORDANCE WITH OWNER'S INFECTION CONTROL GUIDELINES. CONDUIT REPLACEMENT AS PART OF ADD ALTERNATE #1 MUST BE PERFORMED ON WEEKENDS. COORDINATE AND SCHEDULE WEEKEND WORK HOURS WITH OWNER'S FACILITY MANAGER. SEE ELECTRICAL DRAWINGS.
- 05.18 X-RAY UNIT MOUNTING PLATE, O.F.C.I. SEE VENDOR (G.E.) DRAWINGS FOR INSTALLATION REQUIREMENTS. SEE 11/A503A-12/A503A FOR THROUGH BOLT ATTACHMENT DETAIL. IF ANCHOR OCCURS AT STRUCTURE BELOW CHIP OUT CONCRETE SUFFICIENT ENOUGH TO WELD ANCHOR DIRECTLY TO STRUCTURE. PATCH RESULTANT HOLE WITH HIGH PRESSURE GROUT.
- 06.18 ADD ALT. #1: CABINET AND COUNTERTOP WITH SINK, O.F.C.I.
- 09.20 FLOOR COVERING, O.F.C.I. PATCH FLOOR COVERING AT SINK. COVE BASE AT SINK TO MATCH EXISTING.
- 09.21 FLOOR COVERINGS, O.F.C.I. PATCH FLOOR COVERING AS REQUIRED. COVE BASE AT WALLS TO MATCH EXISTING AS REQUIRED.
- 22.19 ADD ALT. #1: LAVATORY (SINK), O.F.C.I. CONNECT LAVATORY TO EXISTING PLUMBING SUPPLY AND DRAIN.
- 26.24 X-RAY UNIT TRANSFORMER OR GENERATOR, O.F.C.I. CONTRACTOR TO MAKE FINAL ELECTRICAL CONNECTIONS. COORDINATE WITH OWNER AND OWNER'S EQUIPMENT VENDOR (G.E.) SEE VENDOR (G.E.) DRAWINGS FOR FINAL CONNECTION DETAILS. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

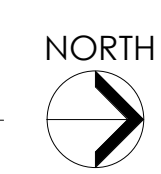
- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.



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



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



Intermountain Healthcare
 LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

Floor Plan
Level 1

A113

1/30/2023 6:11:45 PM

1/30/2023 6:11:51 PM

1 Reflected Ceiling Plan Level 1

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



KEYED NOTES

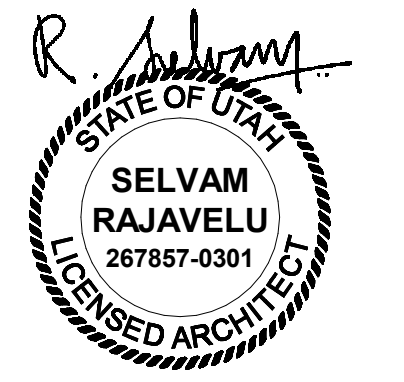
- 05.32 EXISTING UNISTRUT. AFTER X-RAY UNIT INSTALLATION (BY OTHERS) PROVIDE UNISTRUT CAP COVER AT ALL EMPTY VOIDS OF UNISTRUT.
- 09.34 PROVIDE UNISTRUT CAPS AT EXISTING UNISTRUTS TO FILL EMPTY VOIDS AFTER X-RAY UNIT INSTALLATION (X-RAY UNIT INSTALLATION BY OTHERS).
- 23.13 SUPPLY AIR DIFFUSER OR RETURN GRILLE. BALANCE AS NECESSARY. SEE RECOMMENDATION LETTER FROM MECHANICAL ENGINEER.
- 26.13 LIGHT FIXTURE. EXISTING.

GENERAL NOTES

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



NJRA Architects, Inc.
 5272 S. College Drive, Suite 104
 Murray, Utah 84123
 801.364.9259
 www.njraarchitects.com



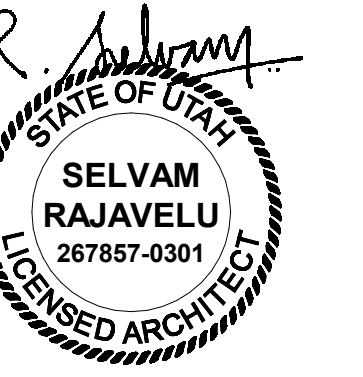
Intermountain Healthcare
 LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

NJRA Project # 22246.00
 Bid Set Jan 30, 2023

Reflected
 Ceiling Plan
 Level 1

A116



KEYED NOTES

1. EXPOSED CROSS GRID MEMBER @ 2'-0" O.C.
2. EXPOSED MAIN GRID MEMBER @ 4'-0"
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. CLASS 1 ZINC COATED, SOFT TEMPERED WIRES, 12 GAUGE MIN.
2. PROVIDE 3/4" GAP BETWEEN CEILING GRID AND ANGLE ON TWO ADJACENT SIDES OF THE ROOM. DO NOT ATTACH CEILING GRID TO WALL ANGLE.
3. ATTACH CEILING GRID TO WALL ANGLE ON TWO ADJACENT SIDES OF THE ROOM (FIXED SIDES).
4. EXPOSED CROSS RUNNER ATTACHED TO MAIN RUNNERS.
5. ACOUSTICAL CEILING TILES. SEE CEILING PLANS.
6. 7/8" SUPPORTING CLOSURE ANGLE AT CEILING PERIMETER ATTACHED TO WALL.
7. EXPOSED MAIN RUNNER SHALL BE HEAVY DUTY T-BAR GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE. THIS END OF THE GRID SHALL REST UPON AND BE FREE TO SLIDE ON THE CLOSURE ANGLE.
8. LINE OF WALL.
9. SEISMIC CLIPS. BASIS OF DESIGN ARMSTRONG BERC 2 CLIPS IN LIEU OF 2" WALL ANGLE PER ICC-ESR 1308.

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

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

KEYED NOTES

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

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. EXPANSION SLEEVE 4"x1 1/16", BASIS OF DESIGN: ARMSTRONG ES4, 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 SJCG-5"x1-1/2".
5. CROSS TEES, BASIS OF DESIGN: ARMSTRONG PRELUDE 15/16"XL EXPOSED TEE SYSTEM.

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

11 Equipment Plate Attachment Plan Detail
SCALE: 1 1/2" = 1'-0"

12 Equipment Plate Attachment Section Detail
SCALE: 1 1/2" = 1'-0"

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR. A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR. A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR. A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	MECHANICAL EQUIPMENT INDICATOR. "XX" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	EQUIPMENT INDICATOR. "XX" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "ILL-X" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
FIRE ALARM	
	FIRE ALARM ANNUNCIATOR PANEL.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	AUTOMATIC DOOR CLOSERS. DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED BY FIRE ALARM INSTALLER.
	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.
	WATER FLOW SWITCH. FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	PRESSURE SUPERVISORY SWITCH. PRESSURE SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
	DETECTOR, HEAT.
	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, CHIME/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SPEAKER, WALL MOUNTED, EVACUATION. COMBINATION STROBE. SUBSCRIPT INDICATES CANDELA RATING.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX. NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN, CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	FLUSH FIRE RATED POKE THRU. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	SWITCH, DIMMER.
	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, DOUBLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, THREE-WAY ("X" INDICATES FIXTURES CONTROLLED).
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
	RECEPTACLE, DUPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
WIRING METHODS	
	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	JUNCTION BOX, CEILING.
	PULL BOX.
	LADDER RACK.
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, ADJUSTABLE TRIP. "225A" REPRESENTS THE RATING AND "150A" REPRESENTS THE TRIP SETTING. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	TRANSFORMER (ONE-LINE DIAGRAM).
	TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
	BATTERY (ONE-LINE DIAGRAM).
	CAPACITOR (ONE-LINE DIAGRAM).
	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
	PANELBOARD (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
NURSE CALL	
	JUNCTION BOX.
	CORRIDOR LIGHT.
	BATHROOM PULL CORD STATION.
	DUTY STATION.
	GROUND.
	EMERGENCY ASSISTANCE CALL STATION.
	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
	PATIENT STATION.
	STAFF STATION.
	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
SECURITY	
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
	ACCESS CONTROL HEADEND EQUIPMENT.
	SECURITY CONTROL PANEL.
	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.
	KEYPAD/CARD READER COMBINATION.
	PANIC DURESS SWITCH.
	ANNUNCIATOR PANEL.
	MASTER STATION, INTERCOM.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	PUSH BUTTON, REMOTE EMERGENCY STOP.
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	METER.
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
	BUSWAY.
	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
LIGHTING	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/OR GENERATOR AND/OR CENTRALIZED INVERTER AND/OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EMERGENCY.
	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	PHOTOCELL.
	PHOTOCELL, WALL MOUNTED.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH. LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
	DIGITAL LIGHTING ROOM CONTROLLER
	DIGITAL LIGHTING DIMMING CONTROLLER
	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE/DIAGRAM.

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRIPOLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
ANN	ANNUNCIATOR
AC	ARMORED CABLE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XFMR	TRANSFORMER
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CATEGORY
CAT	COMMUNITY ANTENNA TELEVISION
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dB	UNIT OF SOUND LEVEL
DDPT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF EQUIPMENT
EQUIP	EQUIPMENT
EX	EXISTING
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FAP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FMB	FREIGHT ON BOARD
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HDA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HMM	HORIZONTAL WIRE MANAGEMENT
HZ	HERTZ
IO	INPUT/OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INIS	INSULATED/ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
LW	LOW VOLTAGE
LWTV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MM	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE

CABLE/OUTLET COLOR SCHEDULE	
COLOR	TYPE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
YELLOW	WIRELESS

STATION PATCH CORD SCHEDULE (CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)			
LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
7'	BLUE	40% OF TOTAL PORTS IN TDRS	
10'	BLUE	40% OF TOTAL PORTS IN TDRS	
15'	BLUE	20% OF TOTAL PORTS IN TDRS	

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 TDRS	

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION, WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A F/UTP RISER, DATA, BLUE	SIEMON 9A8R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A F/UTP PLENUM, WIRELESS, YELLOW	SIEMON 9A8P4-A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A F/UTP PLENUM, SECURITY, BLUE	SIEMON 9A8P4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 5E RISER, GREEN VENDOR NETWORK	SIEMON 9C5R4-E2-07-R1A
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (*A* = ABOVE COUNTER)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 3 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 3 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON 26A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON 26A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON 26A-S06
	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON 26AS-PA-48
	HORIZONTAL WIRE MANAGERS, 4RU	PANDUIT NCM4AE4
	VERTICAL WIRE MANAGERS, DOUBLE SIDED, BLACK, 10" WIDE x 8'-0" HIGH	CHATS WORTH 40096-715
	EQUIPMENT RACK 19" WIDE x 8'-0" HIGH, 52RU, BLACK	CHATS WORTH 55053-715
	CABLE RUNWAY - 24" BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATS WORTH 10250-724
	BUTT SPLICE KIT, BLACK	CHATS WORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATS WORTH 11302-701
	FOOT KIT, BLACK	CHATS WORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATS WORTH 12409-724
	TRIANGLE BRACKETS, BLACK	CHATS WORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATS WORTH 11700-724
	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATS WORTH 11421-724
	CABLE RUNWAY ELEVATION KIT, 6"	CHATS WORTH 10506-706
	CABLE RUNWAY RADIUS DROP	CHATS WORTH 12100-712
	PLYWOOD BACKBOARD, 4' X 8', GRADE AC, FIRE TREATED & PAINTED	
	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	
	TELECOMMUNICATIONS GROUNDING BUS BAR	

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 SAUSED 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
FRP	FIBER PATCH PANEL
GIG	GIGA HERTZ
HWM	HORIZONTAL WIRE MANAGEMENT
NIC	NOT IN CONTRACT
OE	OWNER ELECTRONICS
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
RPP	RISER PATCH PANEL
SPP	STATION PATCH PANEL
TC	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
WWM	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 "SHOW", "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 CABLING SYSTEMS, ETC...



NJRA Architects, Inc.
5272 S. College Drive, Suite 101
Murray, Utah 84123
801.384.9259
www.njraarchitects.com



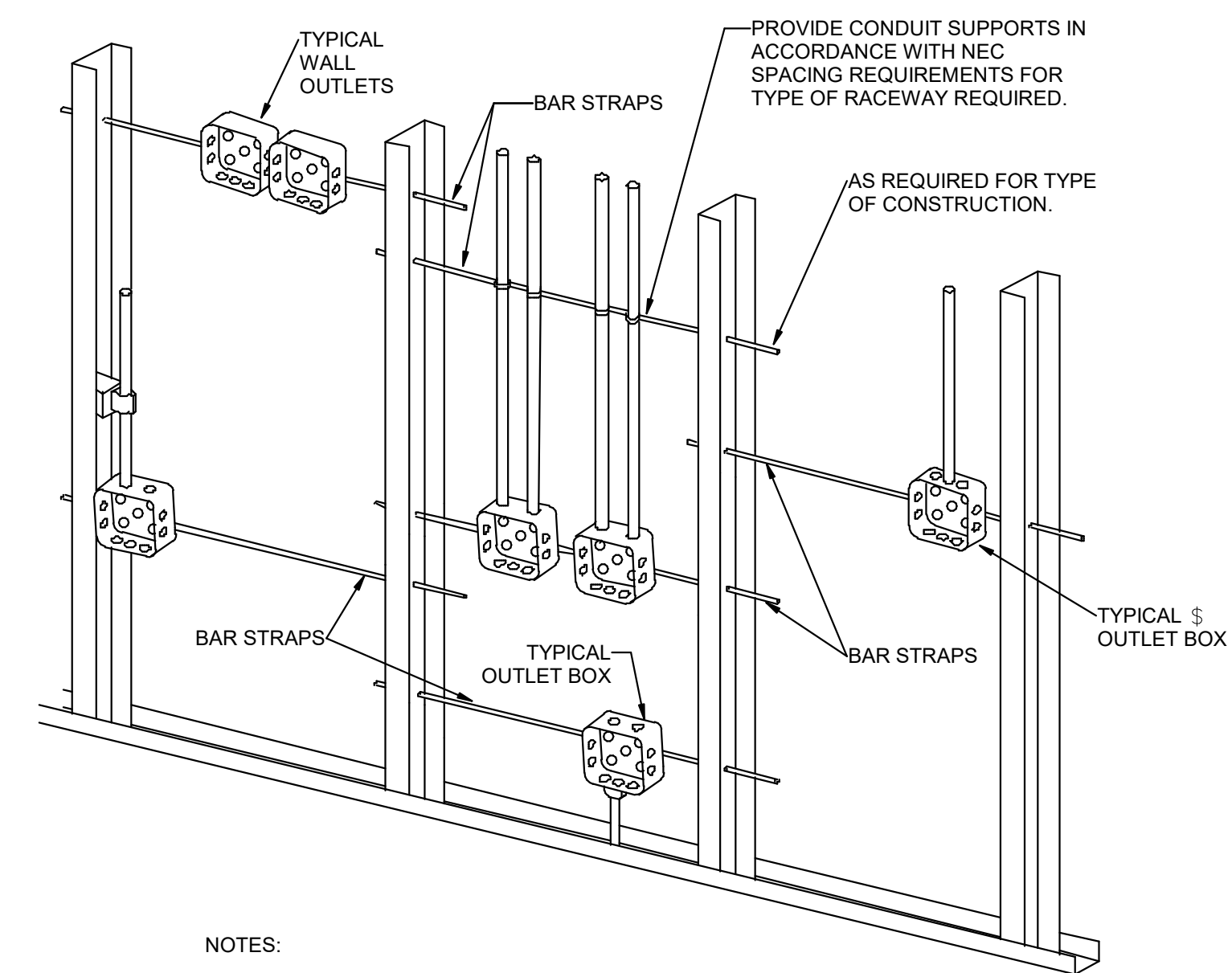
Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22244.00
Bid Set Jan 30, 2023

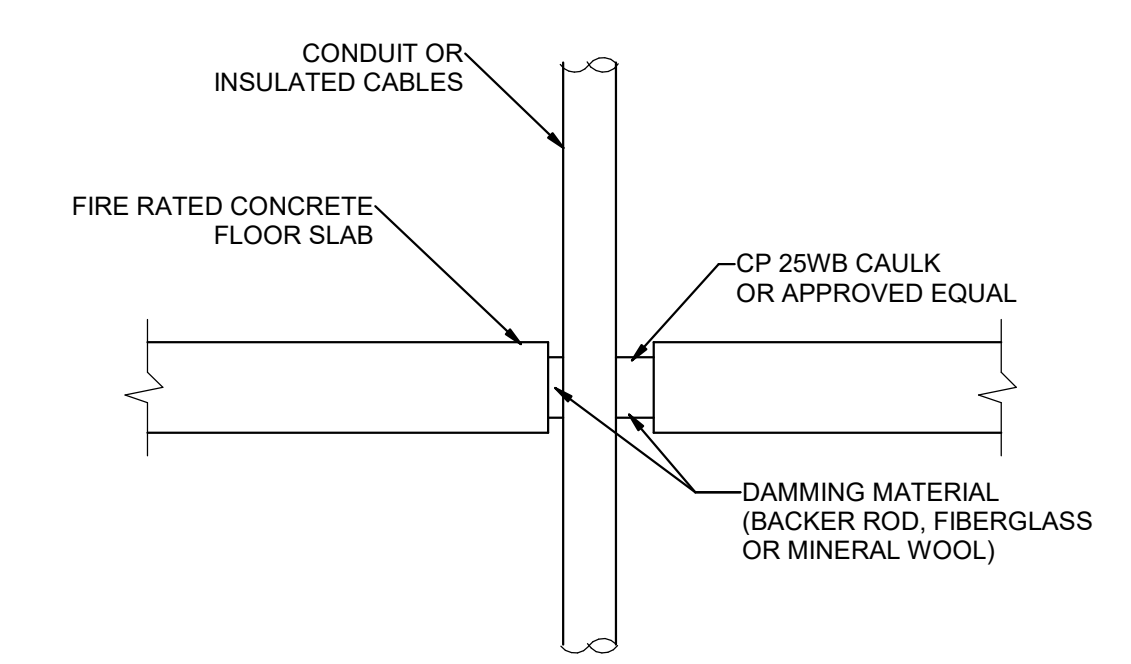
TELECOM
SCHEDULES
AND NOTES

EE002

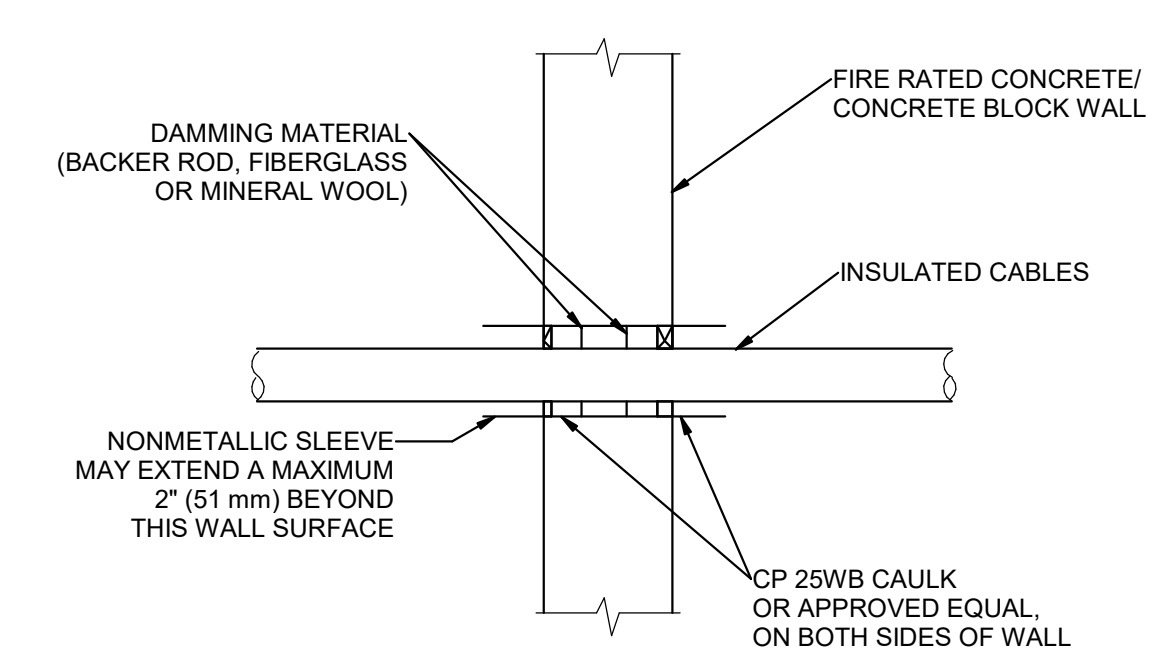


- NOTES:
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
 2. PLASTER RINGS NOT SHOWN.
 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
 4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS 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.

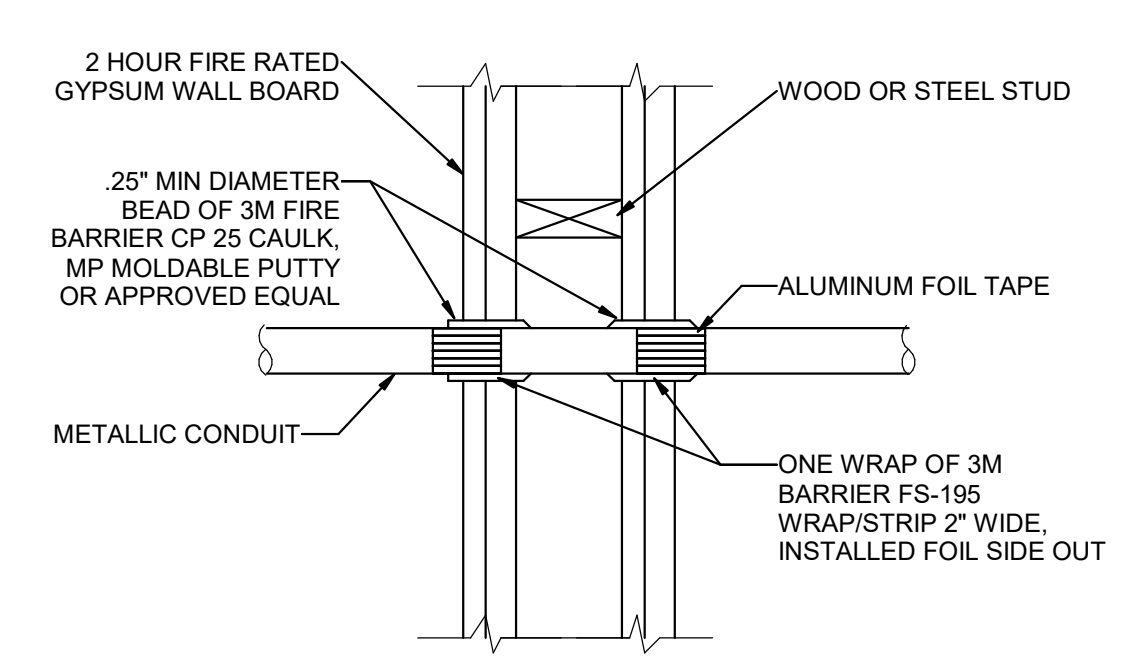
1 TYPICAL ROUGH-IN REQUIREMENTS DETAIL
SCALE: NTS



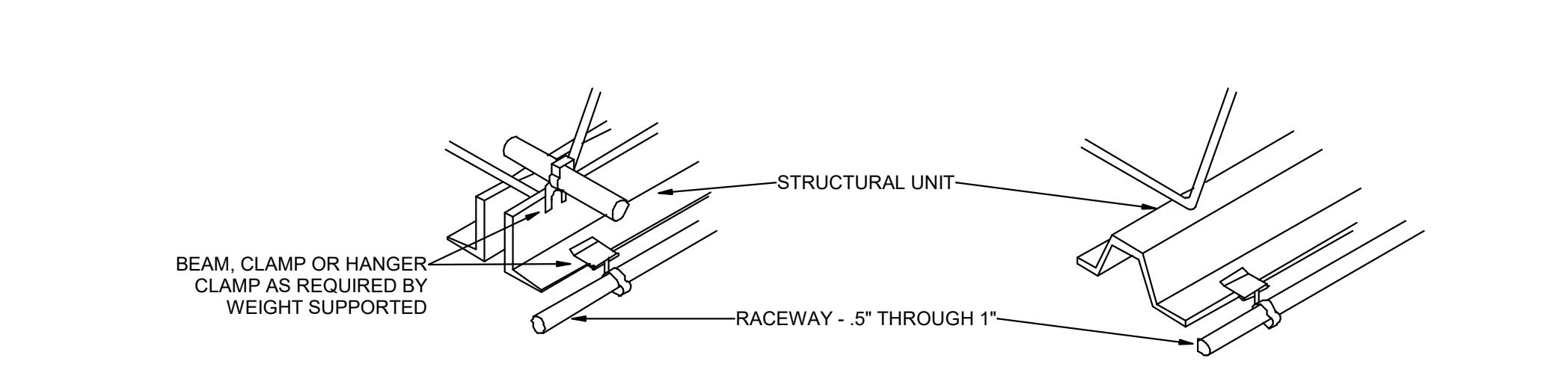
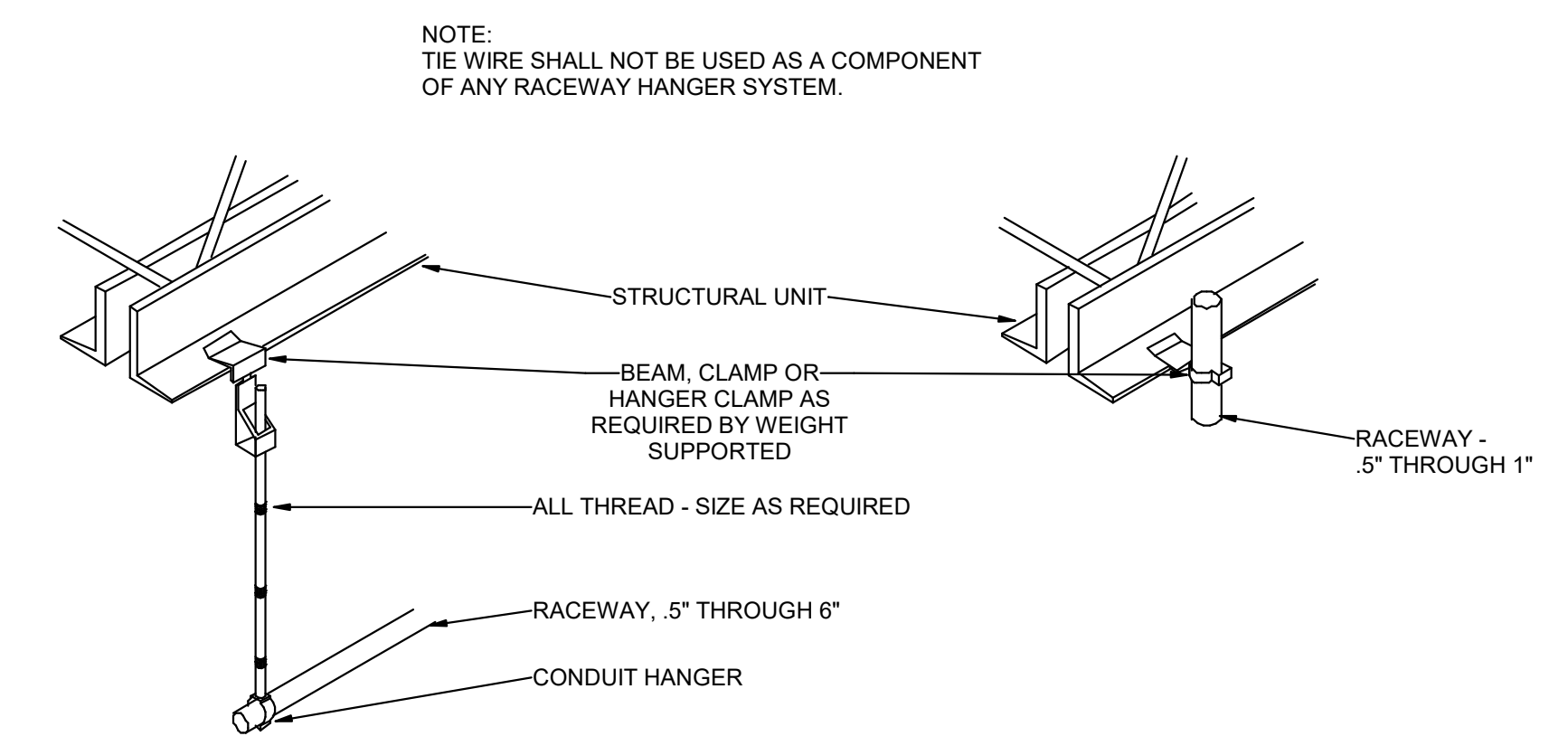
4 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING
SCALE: NTS



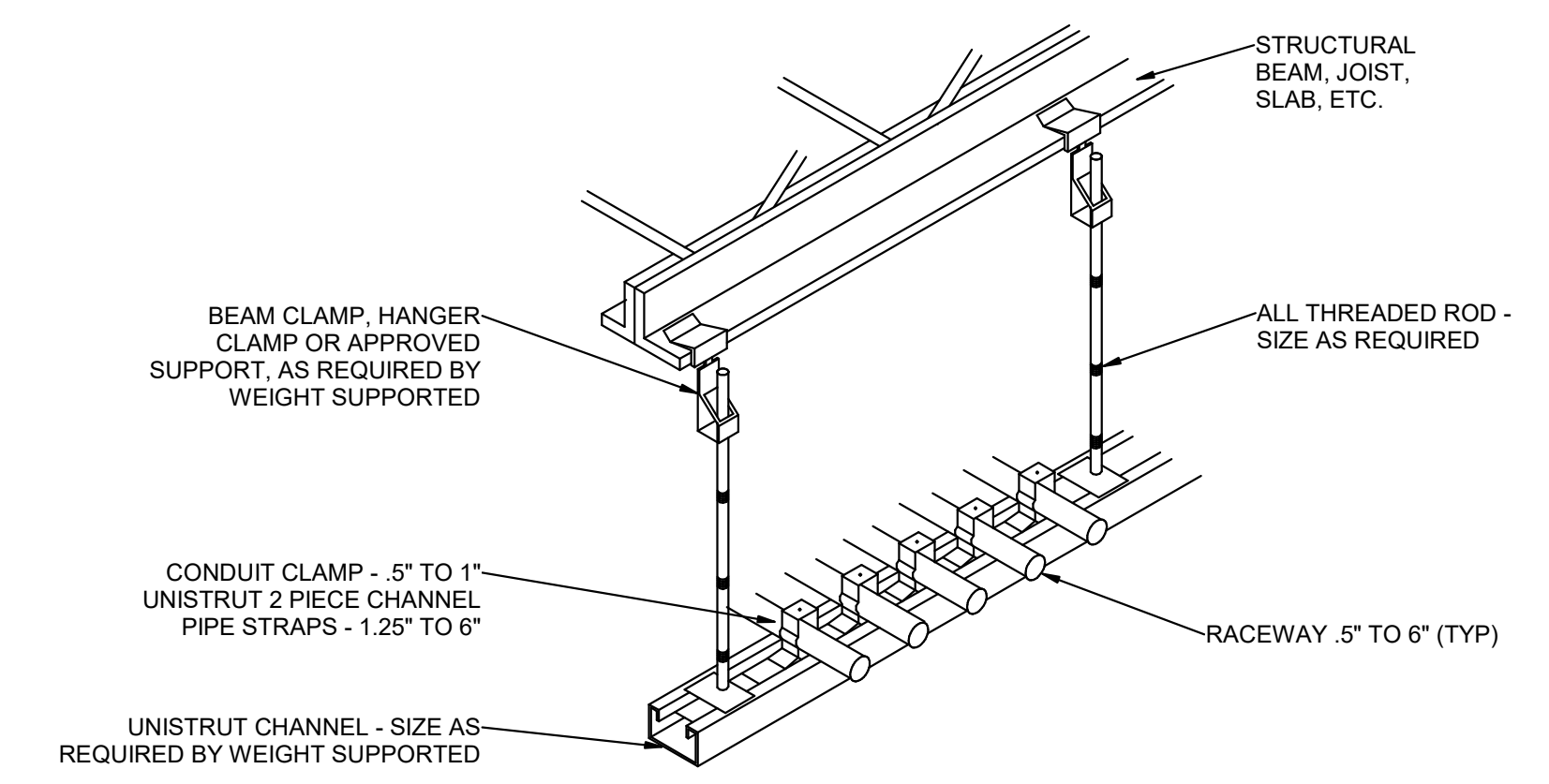
5 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS
SCALE: NTS



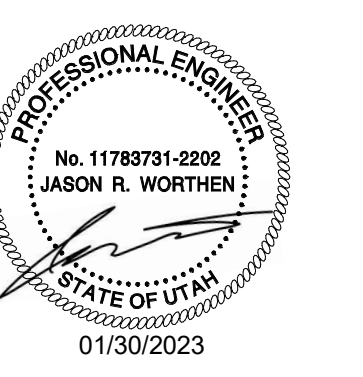
6 FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD
SCALE: NTS



2 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS

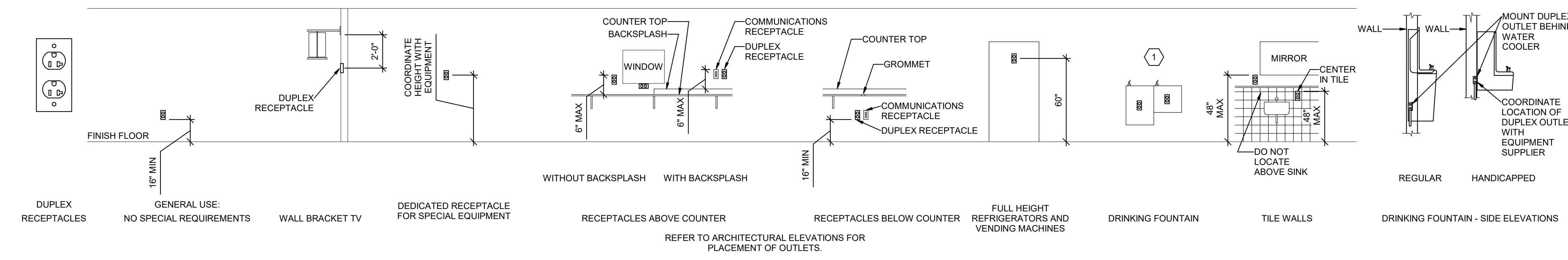


3 TYPICAL CONDUIT RACK DETAIL
SCALE: NTS

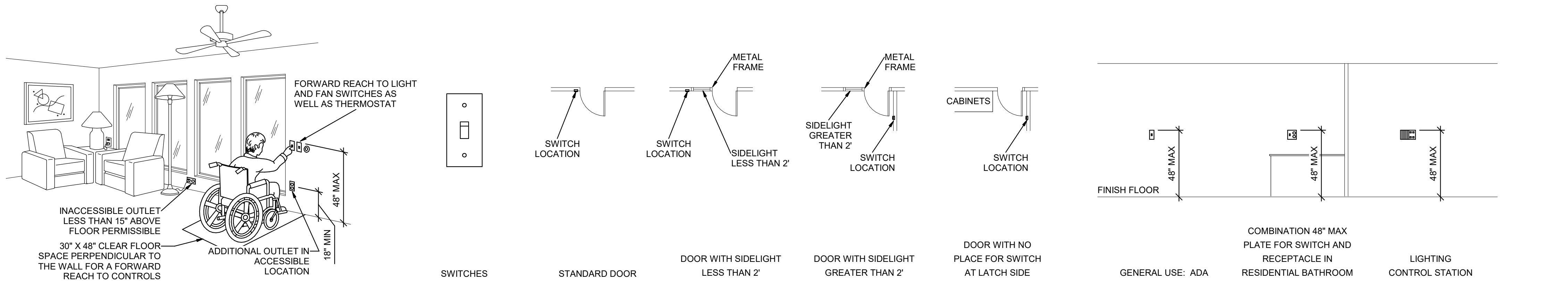


GENERAL SHEET NOTES

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 UNLESS DIRECTED OTHERWISE.
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.

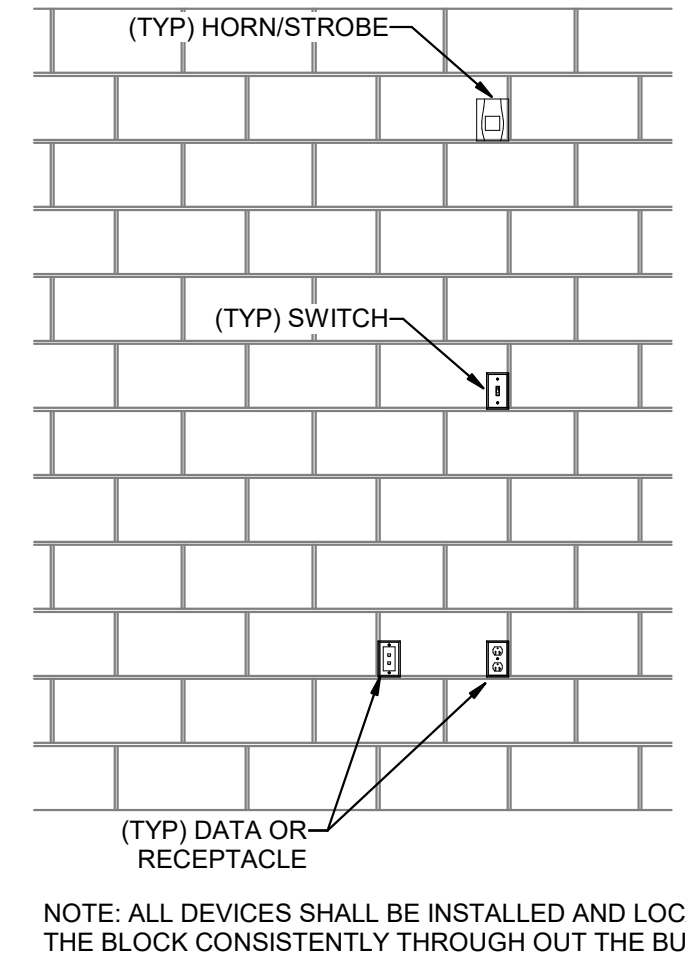
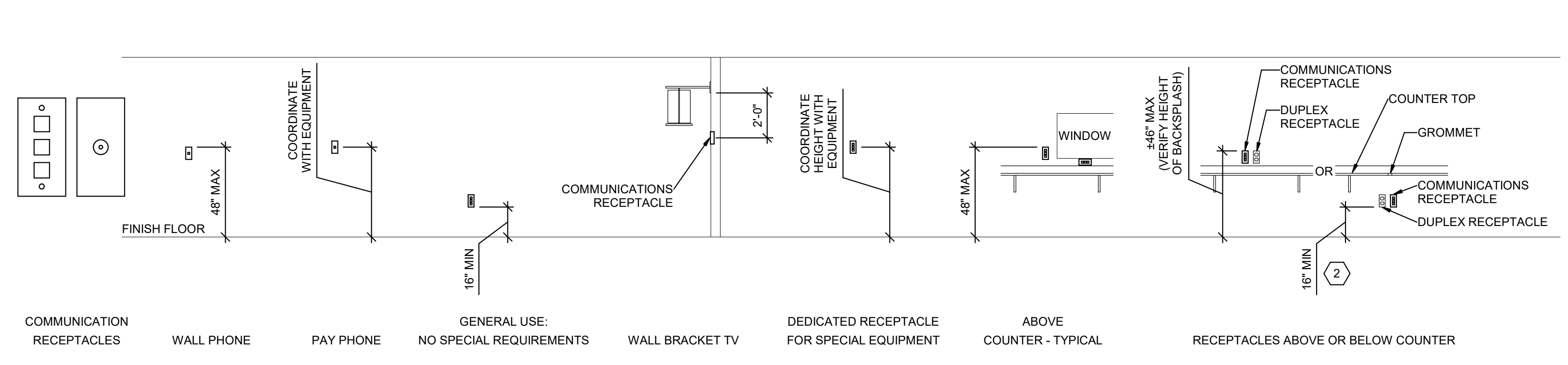


E2 RECEPTACLE MOUNTING DETAILS
SCALE: NTS



D2 ADA DETAIL
SCALE: NTS

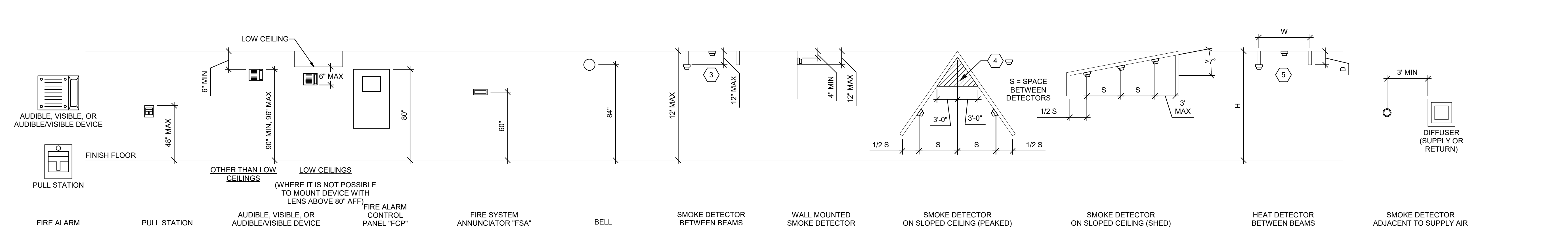
D3 SWITCH MOUNTING DETAILS
SCALE: NTS



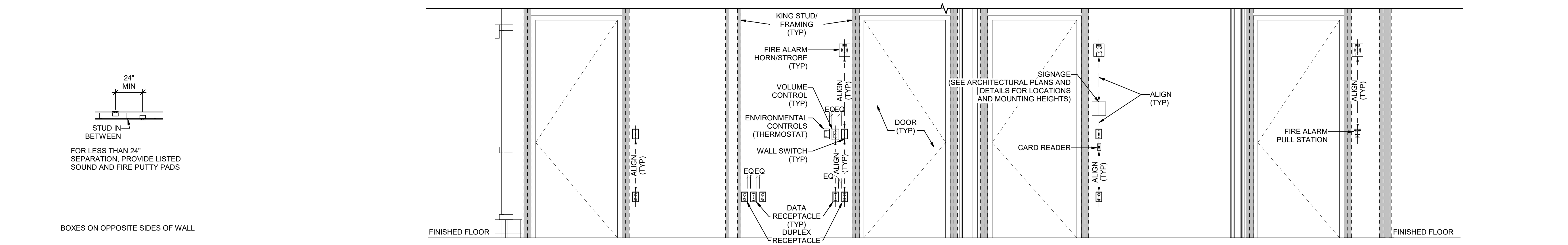
C1 CMU DEVICE MOUNTING ALIGNMENT DETAIL
SCALE: NTS

C2 LIGHTING MOUNTING DETAILS
SCALE: NTS

C3 COMMUNICATIONS MOUNTING DETAILS
SCALE: NTS



B1 FIRE ALARM MOUNTING DETAILS
SCALE: NTS



A1 BOX MOUNTING DETAILS
SCALE: NTS

A2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL
SCALE: NTS

SHEET KEYNOTES

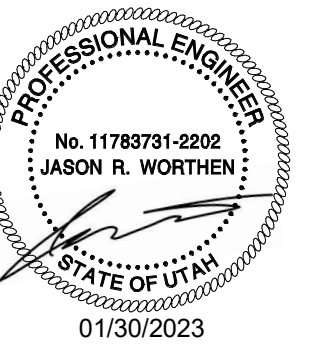
1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHARED AREA BUT NOT IN TOP 4\"/>

Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

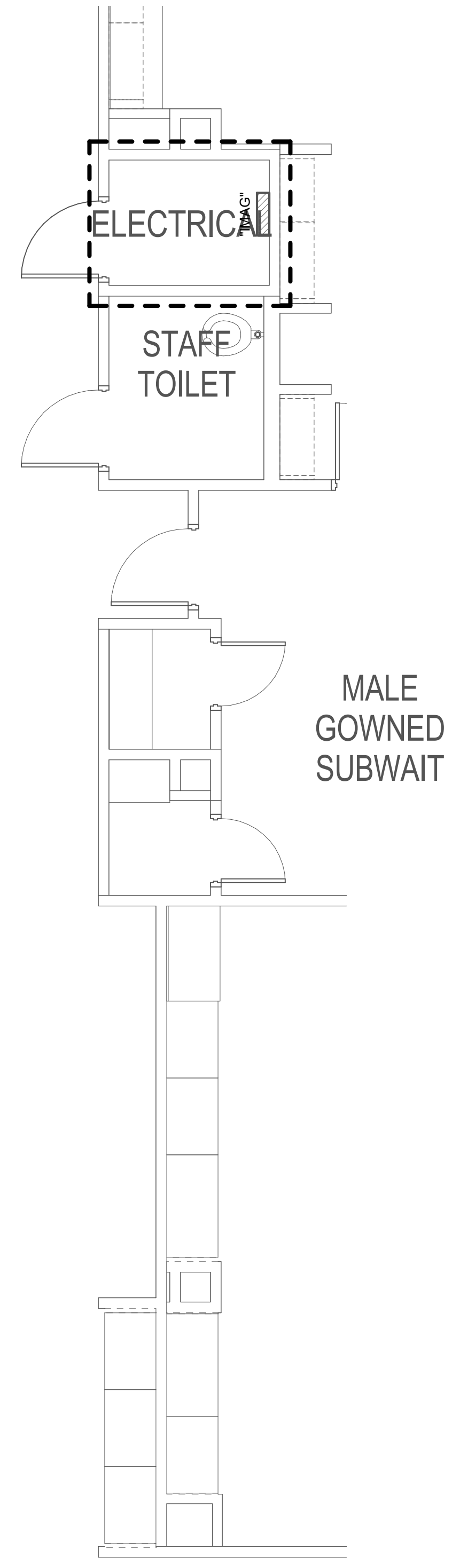
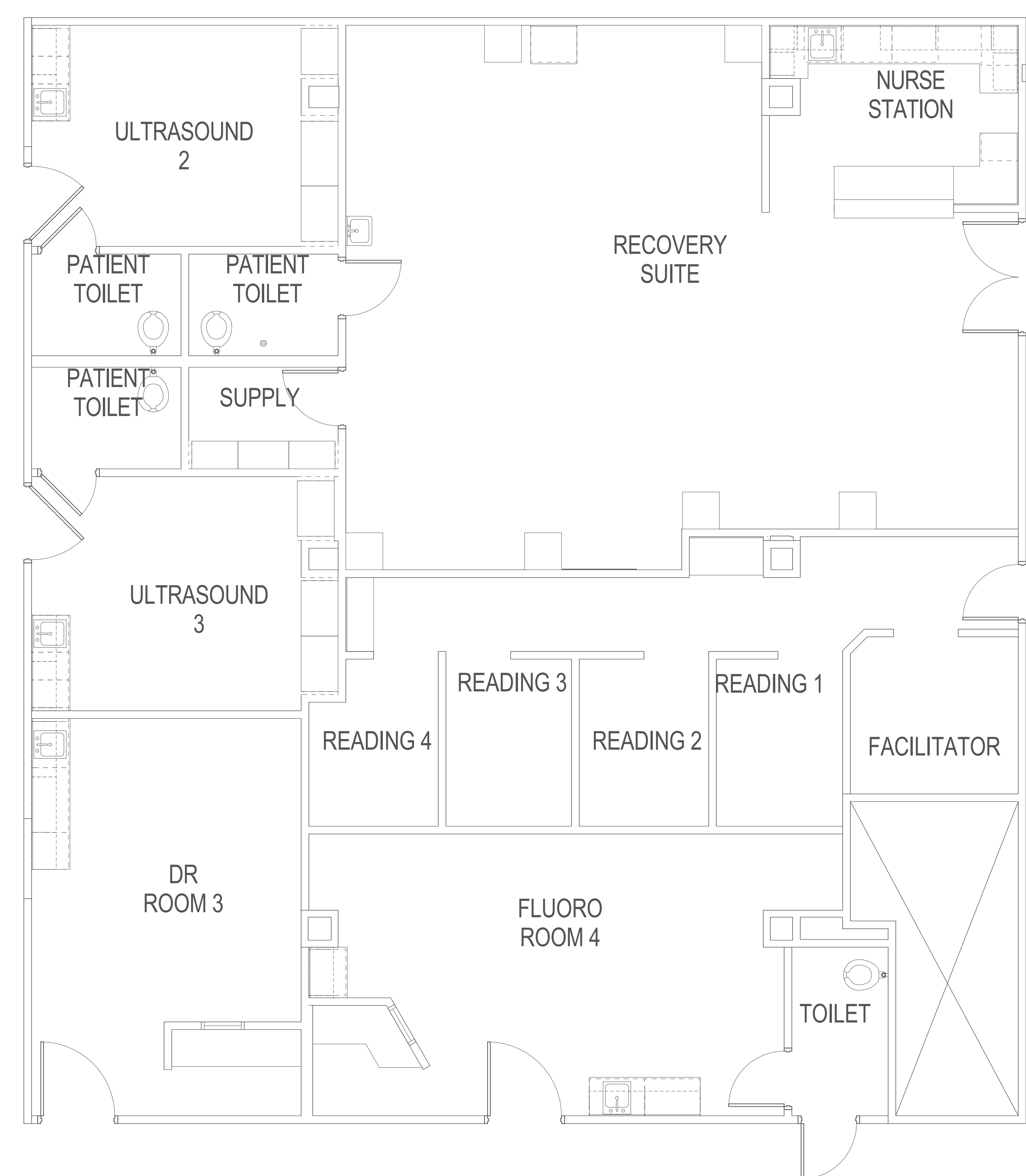
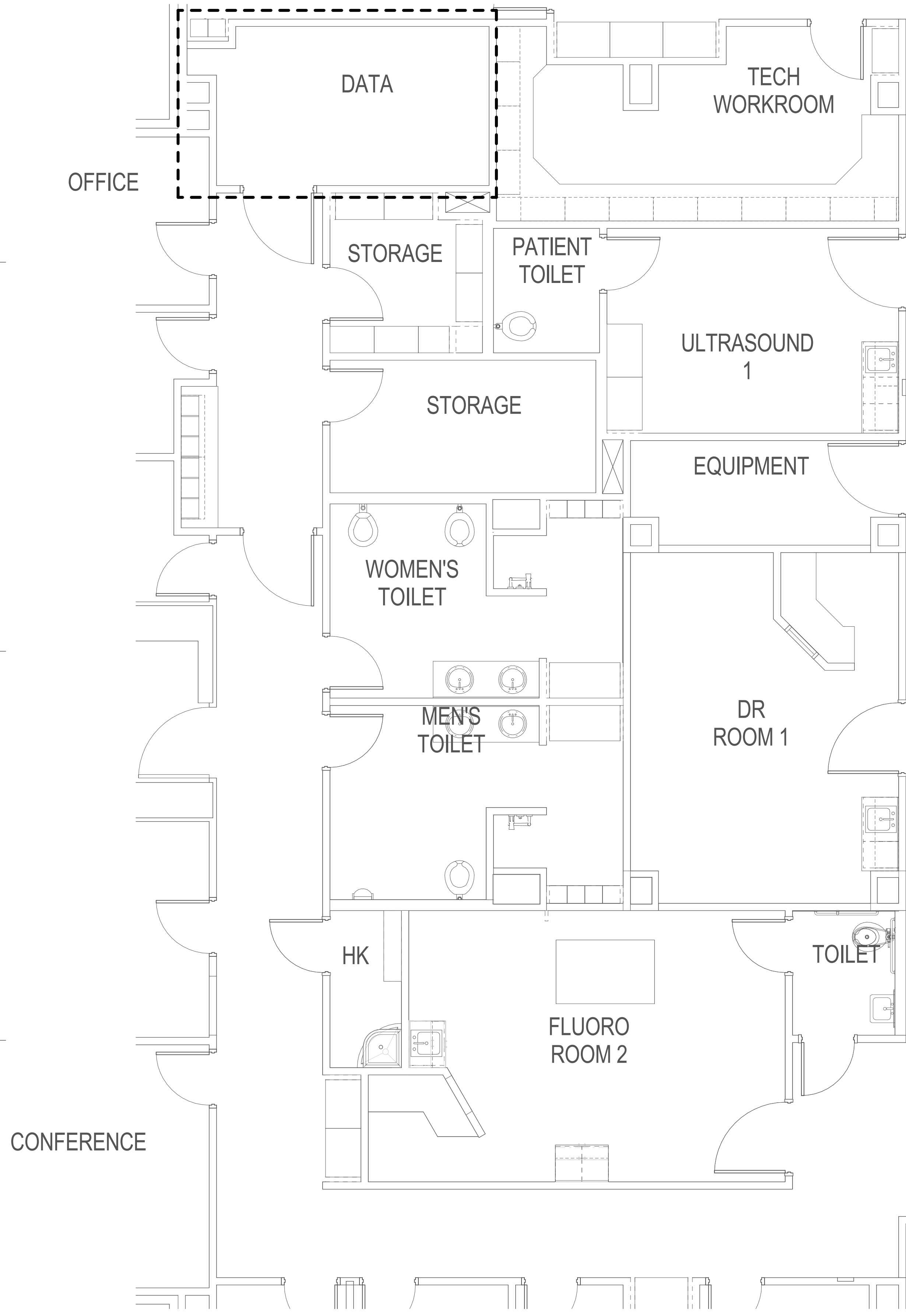
8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22244.00
Bid Set Jan 30, 2023

TYPICAL MOUNTING HEIGHT DETAILS
EE701



○ SHEET KEYNOTES	GENERAL SHEET NOTES
	<ol style="list-style-type: none"> PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID. PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE. REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL. REMOVE ALL 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. REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE. PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS. ALL RECEPTACLES WITHIN 6" OF THE EDGE OF A SINK SHALL BE GFCI PROTECTED. ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIREMENTS OF NEC 517.13. CONTRACTOR TO REFER TO IMAGING VENDOR DRAWINGS FOR ADDITIONAL RESPONSIBILITIES.



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

Intermountain Healthcare
LDS Hospital
Fluro Room 2 Remodel

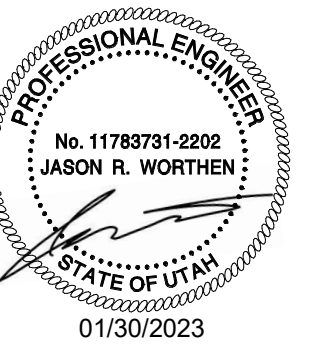
8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

**LEVEL 1
OVERALL
POWER PLAN**

EP100

1/30/2023 2:34:10 PM

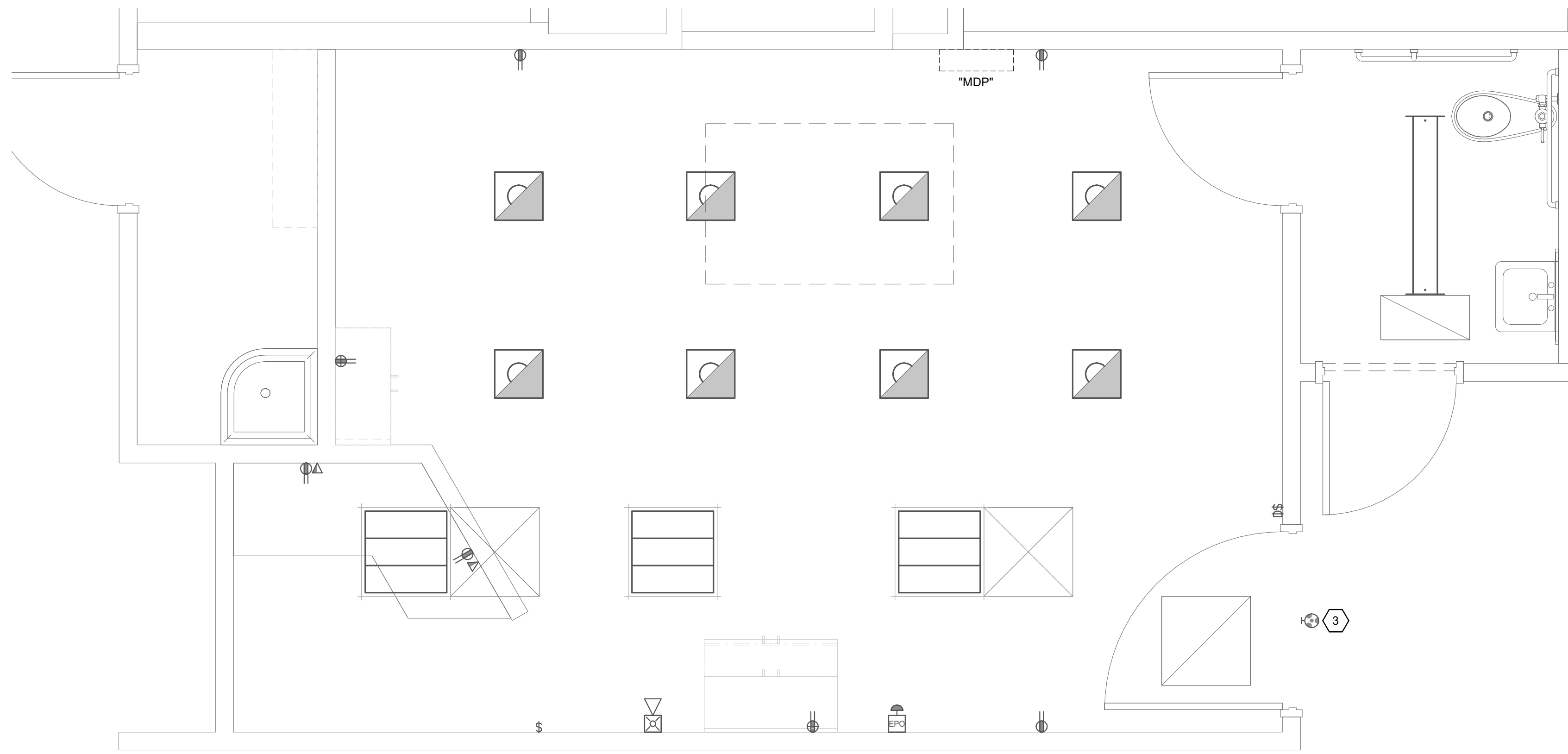


GENERAL SHEET NOTES

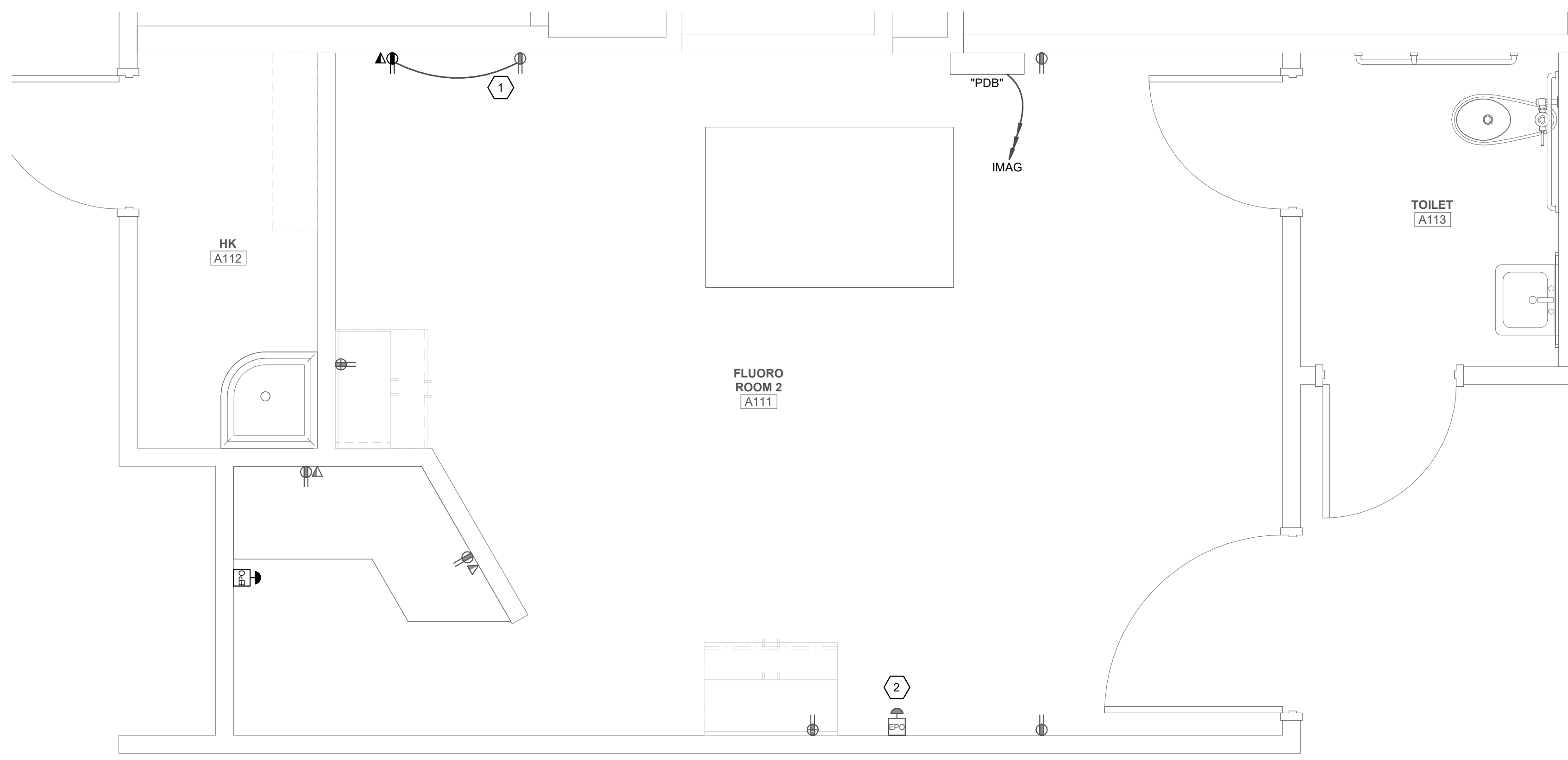
- 1 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- 2 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- 3 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- 4 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.
- 5 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.
- 6 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE
- 7 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- 8 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.
- 9 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
- 10 ALL RECEPTACLES WITHIN 6" OF THE EDGE OF A SINK SHALL BE GFCI PROTECTED.
- 11 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIREMENTS OF NEC 517.13.
- 12 CONTRACTOR TO REFER TO IMAGING VENDOR DRAWINGS FOR ADDITIONAL RESPONSIBILITIES.

SHEET KEYNOTES

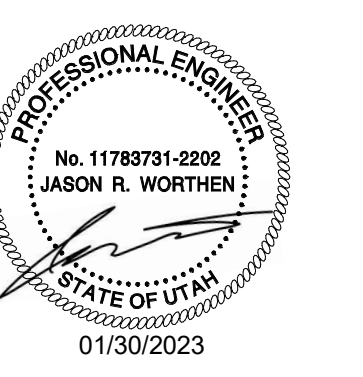
- 1 CONNECT TO THE EXISTING CIRCUIT FEEDING THE RECEPTACLES IN THIS SPACE.
- 2 CONNECT THE EXISTING SHUTOFF TO THE NEW IMAGING EQUIPMENT.
- 3 CONNECT THE EXISTING IN-USE LIGHT TO THE NEW IMAGING EQUIPMENT.



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



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



CONNECTIVITY REQUIREMENTS

All Digital systems are equipped with Broadband fast Ethernet hardware for Service Diagnostics. The systems equipped with Digital Imaging are capable of placing electronic images on the Hospital Image Ethernet Network (DICOM).

The Digital PC (part of the Digital subsystem) is the connectivity point between the system and the hospital. For a Broadband connection, it is the purchaser's responsibility to provide the connection at the Ethernet port on the Digital PC via a Cat 5 Ethernet cable and the hospital Ethernet connection.

Note: System hardware is rated at 100/1000Mbps transfer rate. Hospital connections must be rated for 100/1000Mbps for optimal performance. One RJ45 Ethernet plus should be present in the room.

ELECTRICAL NOTES

- All wires specified shall be copper stranded, flexible, thermo-plastic, color coded, cut 10 foot long at outlet boxes, duct termination points or stubbed conduit ends. All conductors, power, signal and ground, must be run in a conduit or duct system. Electrical contractor shall ring out and tag all wires at both ends. Wire runs must be continuous copper stranded and free from splices.
 - 1.1. Aluminum or solid wires are not allowed.
- Wire sizes given are for use of equipment. Larger sizes may be required by local codes.
- It is recommended that all wires be color coded, as required in accordance with national and local electrical codes.
- Conduit sizes shall be verified by the architect, electrical engineer or contractor, in accordance with local or national codes.
- Convenience outlets are not illustrated. Their number and location are to be specified by others. Locate at least one convenience outlet close to the system control, the power distribution unit and one on each wall of the procedure room. Use hospital approved outlet or equivalent.
- General room illumination is not illustrated. Caution should be taken to avoid excessive heat from overhead spotlights. Damage can occur to ceiling mounting components and wiring if high wattage bulbs are used. Recommend low wattage bulbs no higher than 75 watts and use dimmer controls (except MR). Do not mount lights directly above areas where ceiling mounted accessories will be parked.
- Routing of cable ductwork, conduits, etc., must run direct as possible otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).
- Conduit turns to have large, sweeping bends with minimum radius in accordance with national and local electrical codes.
- A special grounding system is required in all procedure rooms by some national and local codes. It is recommended in areas where patients might be examined or treated under present, future, or emergency conditions. Consult the governing electrical code and confer with appropriate customer administrative personnel to determine the areas requiring this type of grounding system.
- The maximum point to point distances illustrated on this drawing must not be exceeded.
- Physical connection of primary power to GE equipment is to be made by customers electrical contractor with the supervision of a GE representative. The GE representative would be required to identify the physical connection location, and insure proper handling of GE equipment.
- GEHC conducts power audits to verify quality of power being delivered to the system. The customer's electrical contractor is required to be available to support this activity.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor.
- Conduit and duct runs shall have sweep radius bends
- Conduits and duct above ceiling or below finished floor must be installed as near to ceiling or floor as possible to reduce run length.
- Ceiling mounted junction boxes illustrated on this plan must be installed flush with finished ceiling.
- All ductwork must meet the following requirements:
 - Ductwork shall be metal with dividers and have removable, accessible covers.
 - Ductwork shall be certified/rated for electrical power purposes.
 - Ductwork shall be electrically and mechanically bonded together in an approved manner.
 - PVC as a substitute must be used in accordance with all local and national codes.
- All openings in raceway and access flooring are to be cut out and finished off with grommet material by the customer's contractor.
- General contractor to insert pull cords for all cable run conduits between the equipment room and the operators control room.
- 10 foot pigtails at all junction points.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.

LDS Hospital
DISCOVERY RF180
RF-M254610-FIN-00-A.DWG
Rev A | Date 26/Aug/2022
E1 - Electrical Notes
12/16

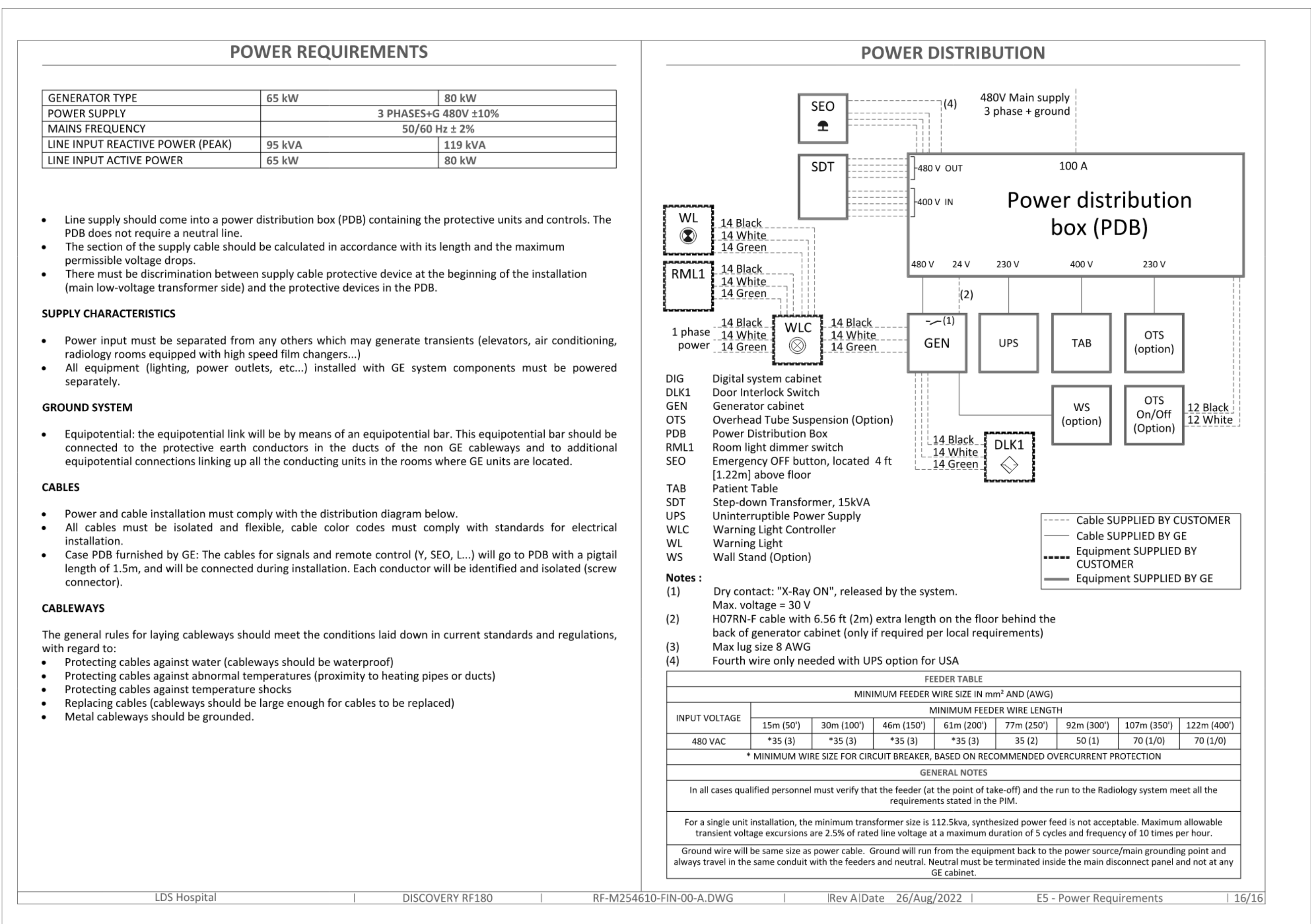
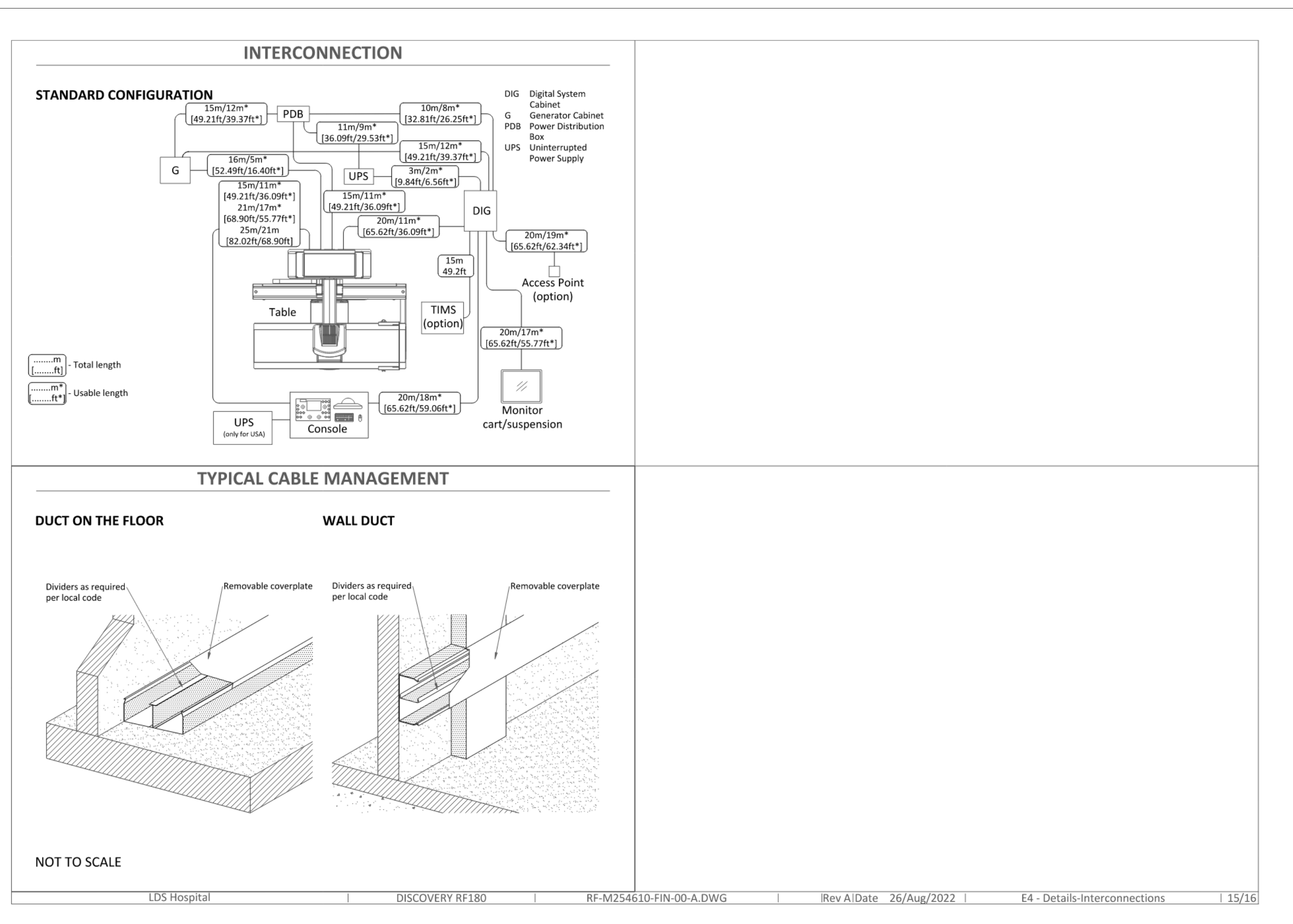
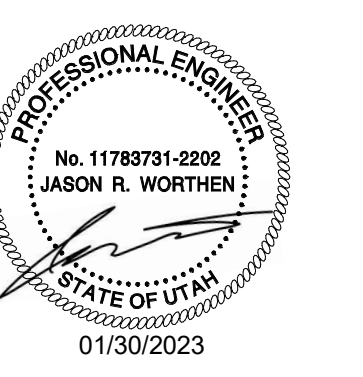
Item	Quantity	Description
1	1	Power Distribution Box (PDB)
2	10'	10' x 3 1/2" (250 x 100) Surface wall duct to bottom of PDB with minimum 2 dividers
3	Existing	Existing 10' x 3 1/2" (250 x 100) Surface wall duct with minimum 2 dividers
4	10'	10' x 3 1/2" (250 x 100) Surface floor duct with minimum 2 dividers
5	Existing	Existing 10' x 3 1/2" (250 x 100) Flush wall duct with minimum 2 dividers
6	Existing	Existing Box above ceiling
7	Box	Box flush in ceiling - size per local code (Monitor)
8	Existing	Existing Flush box (Operators Console)
9	Existing	Existing 2 1/2" [64] Conduit above ceiling
10	2 1/2"	[64] Conduit above ceiling
11	4" x 4" x 4"	[100 x 100 x 100] Box attached to duct (TIMS Readiness Kit)
12	Grommets	Grommets opening (Digital Systems Cabinet)
13	Grommets	Grommets opening (Generator Cabinet)
14	Grommets	Grommets opening (Table)
15	Grommets	Grommets opening (Transformer)

Electrical Outlet Legend			
Customer/contractor supplied and installed items unless otherwise specified.			
Height above floor indicated in bubble unless otherwise specified.			
ITEM	QTY	Description	Notes
⚡	1	System emergency off (SEOF), [recommended height 1.2m (4ft) above floor]	
⚡	1	X-Ray room warning light control panel	
⚡	1	X-Ray ON lamp (L1) - 24V	
⚡	1	Door interlock switch (needed only if required by state/local codes)	
⚡	1	Duplex hospital grade, dedicated wall outlet 120-v, single phase power	
⚡	1	Network outlet	

Additional Conduit Runs (Contractor Supplied and Installed)				
From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size	
			In.	mm
3 phase power	1 Power Distribution Box	1	As req'd	As req'd
1 Power Distribution Box	Emergency off	1	1/2	16
Warning light	OTS On/off switch	1	1/2	16
1 phase power	Warning light control	1	As req'd	As req'd
6 Generator	Door Switch	1	1/2	16

LDS Hospital
DISCOVERY RF180
RF-M254610-FIN-00-A.DWG
1/4"-1'-0" Rev A | Date 26/Aug/2022
E2 - Electrical Layout
13/16

LDS Hospital
DISCOVERY RF180
RF-M254610-FIN-00-A.DWG
1/4"-1'-0" Rev A | Date 26/Aug/2022
E3 - Electrical Elevations
14/16



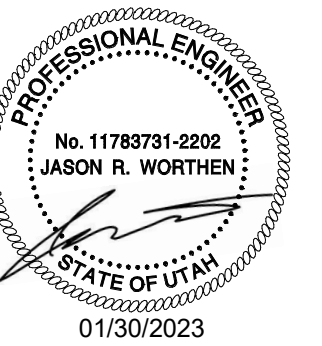
GENERAL SHEET NOTES

SHEET KEYNOTES

- PULL THE NEW CABLING IN EXISTING CONDUIT. REFER TO THE BID-ALTERNATE FOR CONDUIT REQUIREMENTS IF THE CONDUIT IS SMALLER THAN 1.5".



NJRA Architects, Inc.
5272 S. College Drive, Suite 104
Murray, Utah 84123
801.364.9259
www.njraarchitects.com

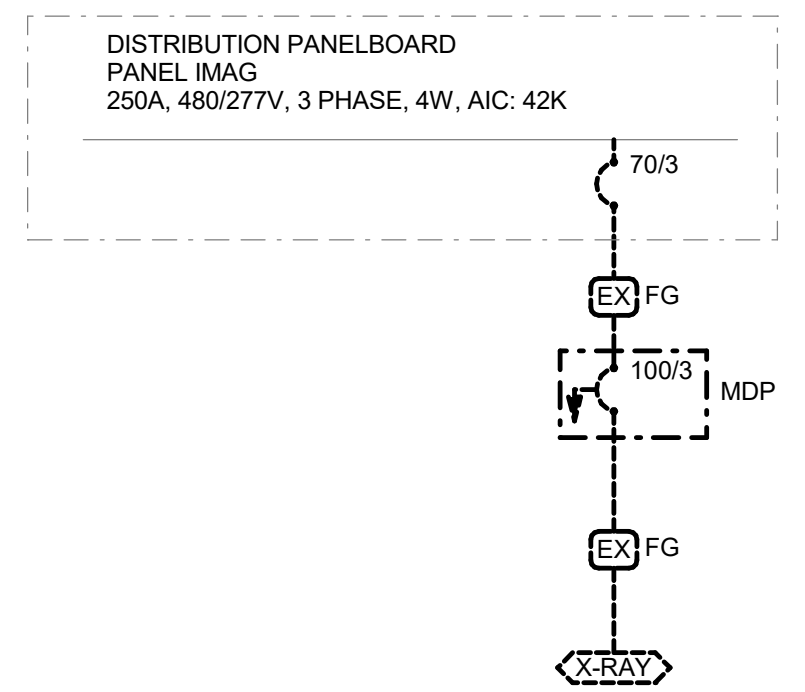


CONDUCTOR AND CONDUIT SCHEDULE

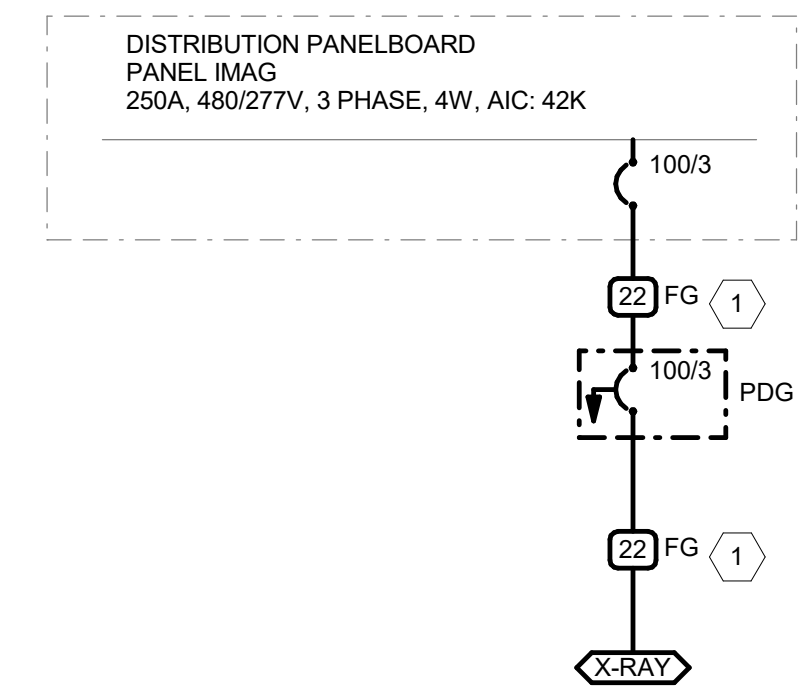
SCHEDULE NUMBER: ** (E.G.) 5 IG
SUBSCRIPT (NOTE 5)

SYM	AMP	CONDUIT SIZE	CONDUCTOR(NOTE 1) QTY	SIZE	G	IG	SE	NOTES
1	20	.75	2	12	12	12	8	2
2	20	.75	3	12	12	12	8	2,3
3	20	.75	4	12	12	12	8	2,3
4	30	.75	2	10	10	10	8	2
5	30	.75	3	10	10	10	8	2
6	30	.75	4	10	10	10	8	2
7	40	1	2	8	10	8	6	2
8	40	1	3	8	10	8	6	2
9	40	1	4	8	10	8	6	2
10	55	1	2	6	10	8	4	2
11	55	1	3	6	10	8	4	2
12	55	1.25	4	6	10	8	4	2
13	70	1	2	4	8	4	2	2
14	70	1.25	3	4	8	4	2	2
15	70	1.25	4	4	8	4	2	2
16	85	1.25	2	3	8	3	2	2
17	85	1.25	3	3	8	3	2	2
18	85	1.25	4	3	8	3	2	2
19	95	1.25	3	2	8	2	2	2
20	95	1.50	4	2	8	2	2	2
21	130	1.50	3	1	6	2	2	2
22	130	1.50	4	1	6	2	2	2
23	150	2	3	1/0	6	2	1/0	2
24	150	2	4	1/0	6	2	1/0	2
25	175	2	3	2/0	6	2	2/0	2
26	175	2	4	2/0	6	2	2/0	2
27	200	2	3	3/0	6	2	2/0	2
28	200	2.50	4	3/0	6	2	2/0	2
29	230	2.50	3	4/0	4	2	2/0	2
30	230	2.50	4	4/0	4	2	2/0	2
31	255	2.50	3	250	4	1	2/0	2
32	255	2.50	4	250	4	1	2/0	2
33	310	3	3	350	3	1/0	3/0	2
34	310	3	4	350	3	1/0	3/0	2
35	380	3.50	3	500	3	3/0	3/0	2
36	380	4	4	500	3	3/0	3/0	2
37	400	2 EA 2	3	3/0	3	3/0	3/0	2
38	400	2 EA 2.50	4	3/0	3	3/0	3/0	2
39	510	2 EA 2.50	3	250	1	4/0	3/0	2
40	510	2 EA 3	4	250	1	4/0	3/0	2
41	620	2 EA 3	3	350	1/0	4/0	3/0	2,4
42	620	2 EA 3	4	350	1/0	4/0	3/0	2,4
43	760	2 EA 3.50	3	500	1/0	4/0	3/0	2,4
44	760	2 EA 4	4	500	1/0	4/0	3/0	2,4
45	855	3 EA 3	3	300	2/0	4/0	3/0	2,4
46	855	3 EA 3	4	300	2/0	4/0	3/0	2,4
47	1000	3 EA 3.50	3	400	2/0	4/0	3/0	4
48	1000	3 EA 3.50	4	400	2/0	4/0	3/0	4
49	1140	3 EA 4	3	500	3/0	4/0	3/0	4
50	1140	3 EA 4	4	500	3/0	4/0	3/0	4
51	1240	4 EA 3	3	350	3/0	4/0	3/0	4
52	1240	4 EA 3	4	350	3/0	4/0	3/0	4
53	1675	5 EA 3.50	4	400	4/0	4/0	4/0	4
54	2010	6 EA 3.50	4	400	250	250	250	4
55	2660	7 EA 4	4	500	350	350	350	4
56	3040	8 EA 4	4	500	500	500	500	4
57	4180	11 EA 4	4	500	500	500	500	4
58		7 EA 5						6
59		6						6
60		10 EA 4						6

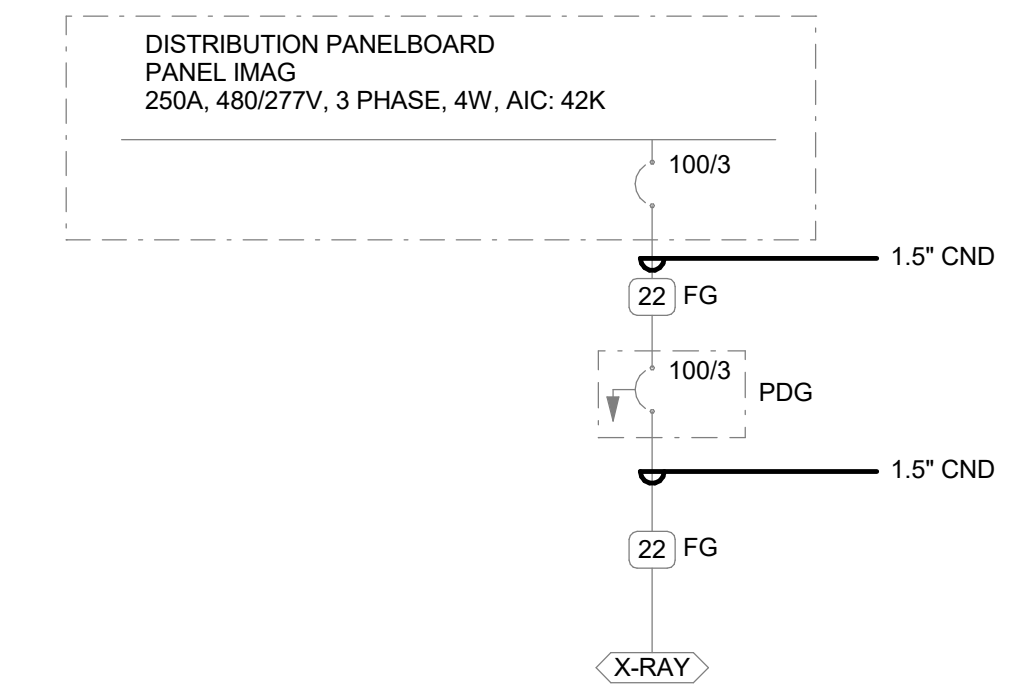
- CONDUCTOR AND CONDUIT SCHEDULE NOTES
- CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
 - PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
 - PROVIDE #10 NEUTRALS FOR MULTIWIRED BRANCH CIRCUITS SERVING COMPUTERS.
 - GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
 - SYMBOL SUBSCRIPTS:
 - "2N": INCLUDE TWO NEUTRAL CONDUCTORS, SIZED AS SCHEDULED FOR PHASED AND NEUTRAL CONDUCTORS.
 - "FG": FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE THE SAME SIZE AS THE PHASE CONDUCTORS.
 - "HH": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS, CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY. PROVIDE THE IG/HH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.
 - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH GROUND OF EQUIPMENT GROUND CONDUCTOR.
 - "SBJ": SUBSTITUTE "SBJ" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE SYSTEM BONDING JUMPER OF THE SEPARATELY DERIVED SYSTEM.
 - RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.



1 DEMOLITION ONE-LINE DIAGRAM
SCALE: NTS



2 NEW ONE-LINE DIAGRAM
SCALE: NTS



3 BID-ALTERNATE ONE-LINE DIAGRAM
SCALE: NTS

Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

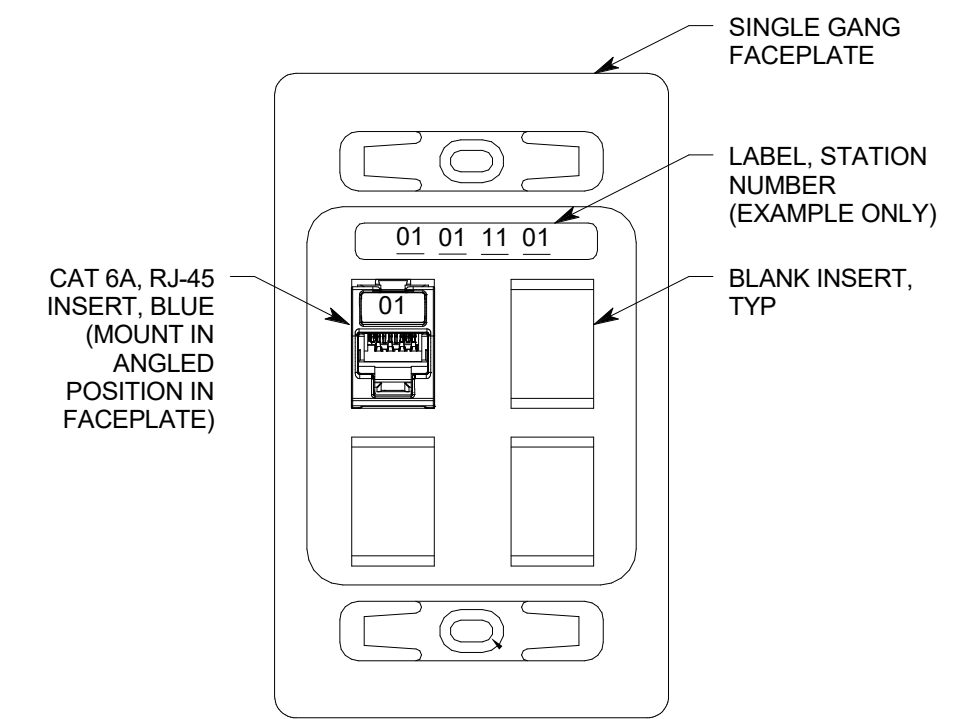
8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22244.00
Bid Set Jan 30, 2023

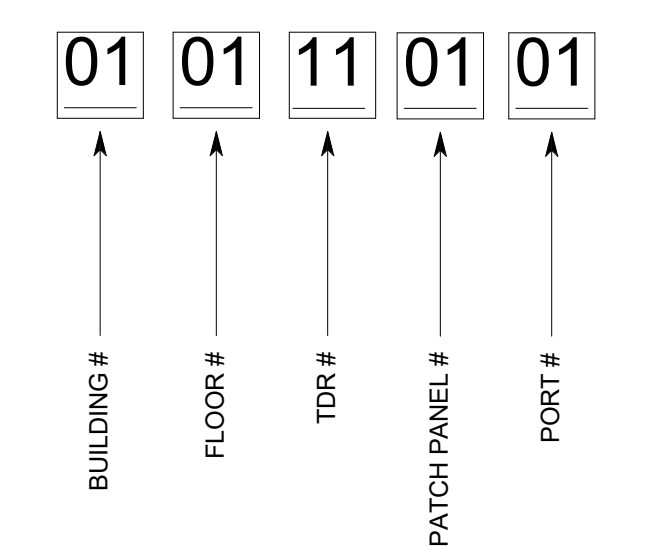
ONE-LINE
DIAGRAM

EP601

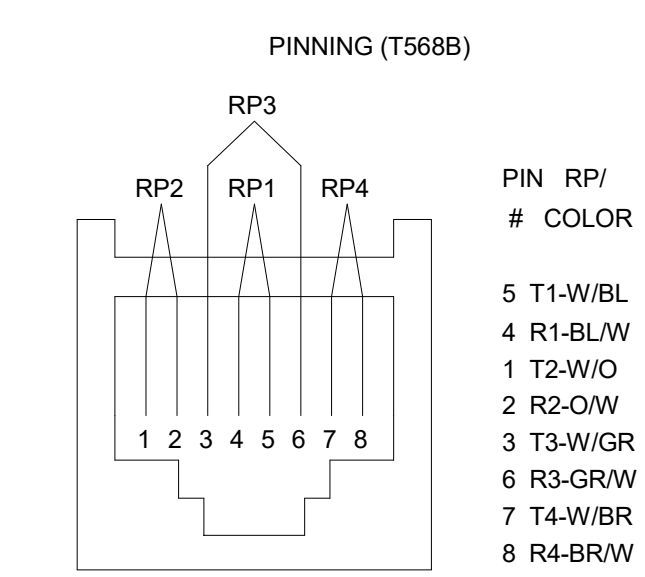
1/30/2023 2:30:17 PM



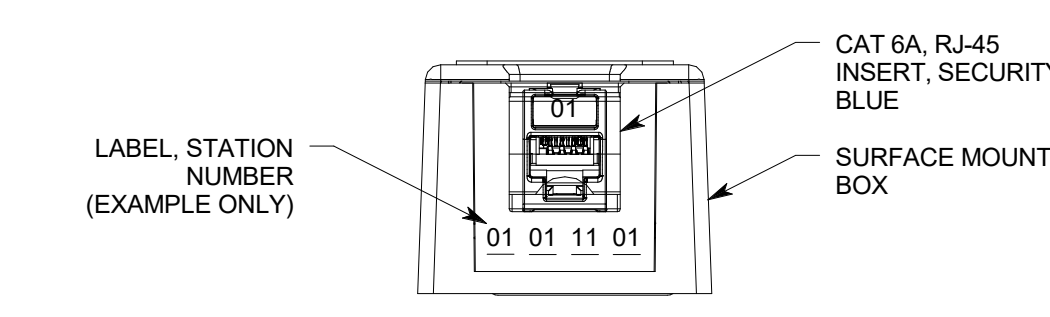
9 TYPICAL 1-PORT WALL DATA OUTLET
NO SCALE



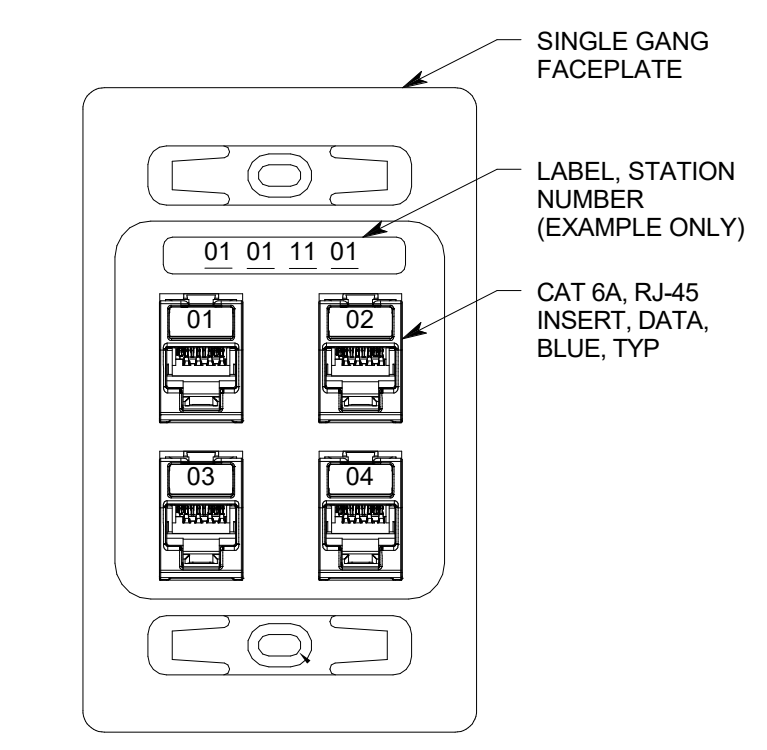
10 CABLE ID EXAMPLE DETAIL
NO SCALE



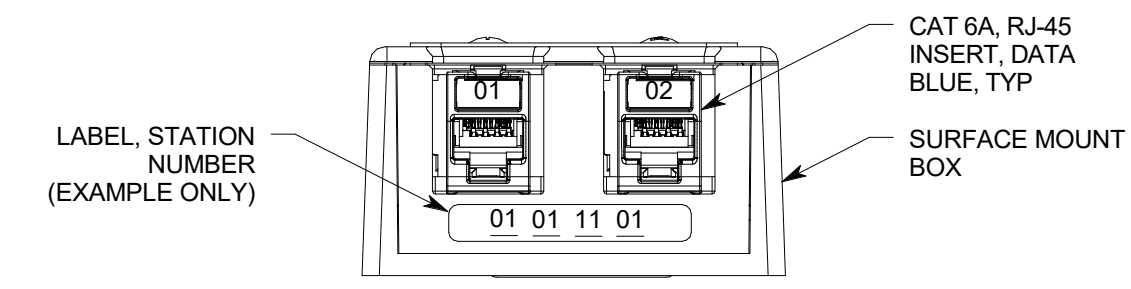
7 TYPICAL VOICE-DATA OUTLET PINNING DETAIL
NO SCALE



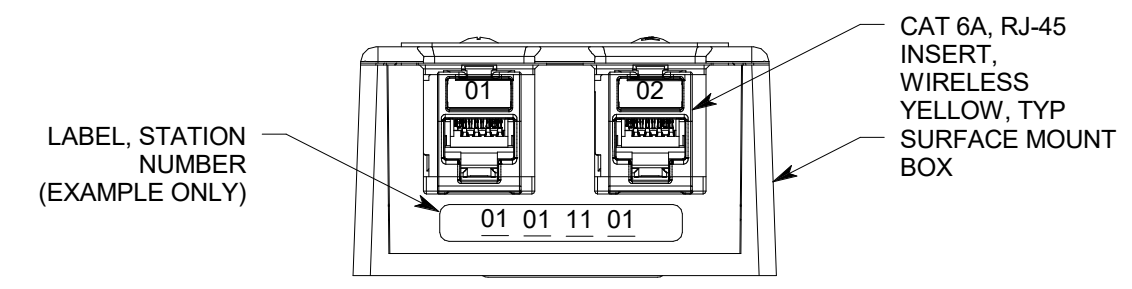
8 TYPICAL 1-PORT CAMERA DATA OUTLET
NO SCALE



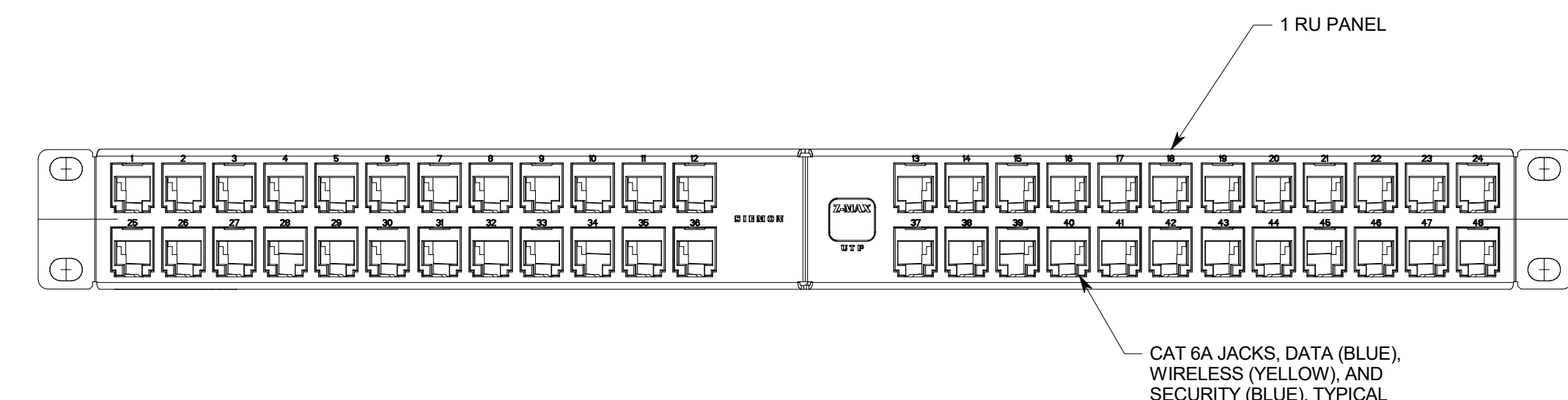
4 TYPICAL 4-PORT WALL DATA OUTLET
NO SCALE



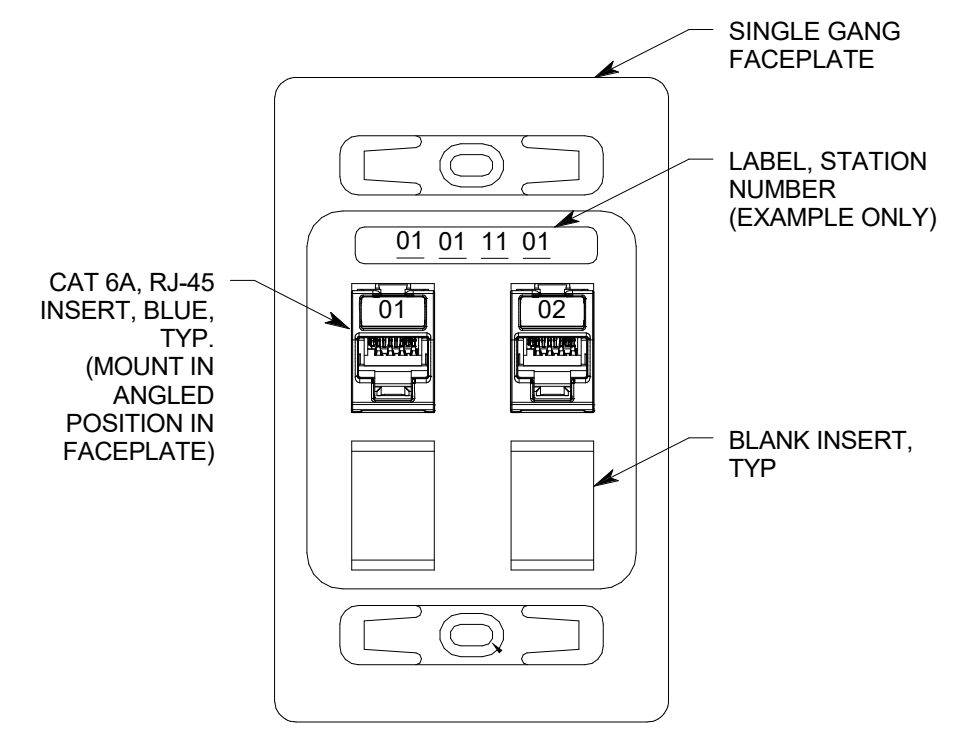
5 TYPICAL 2-PORT CEILING DATA OUTLET
NO SCALE



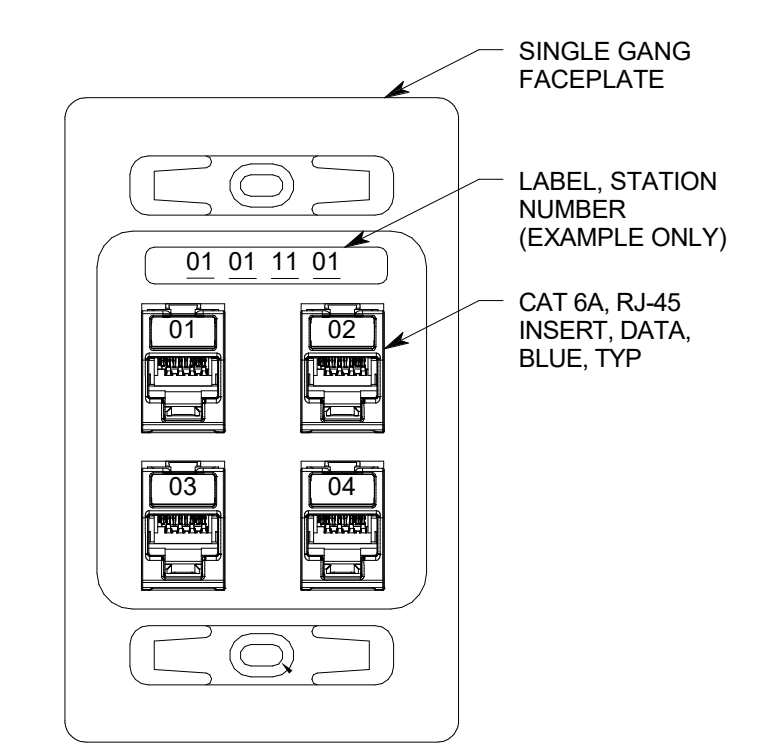
6 TYPICAL 'WAP' CEILING DATA OUTLET
NO SCALE



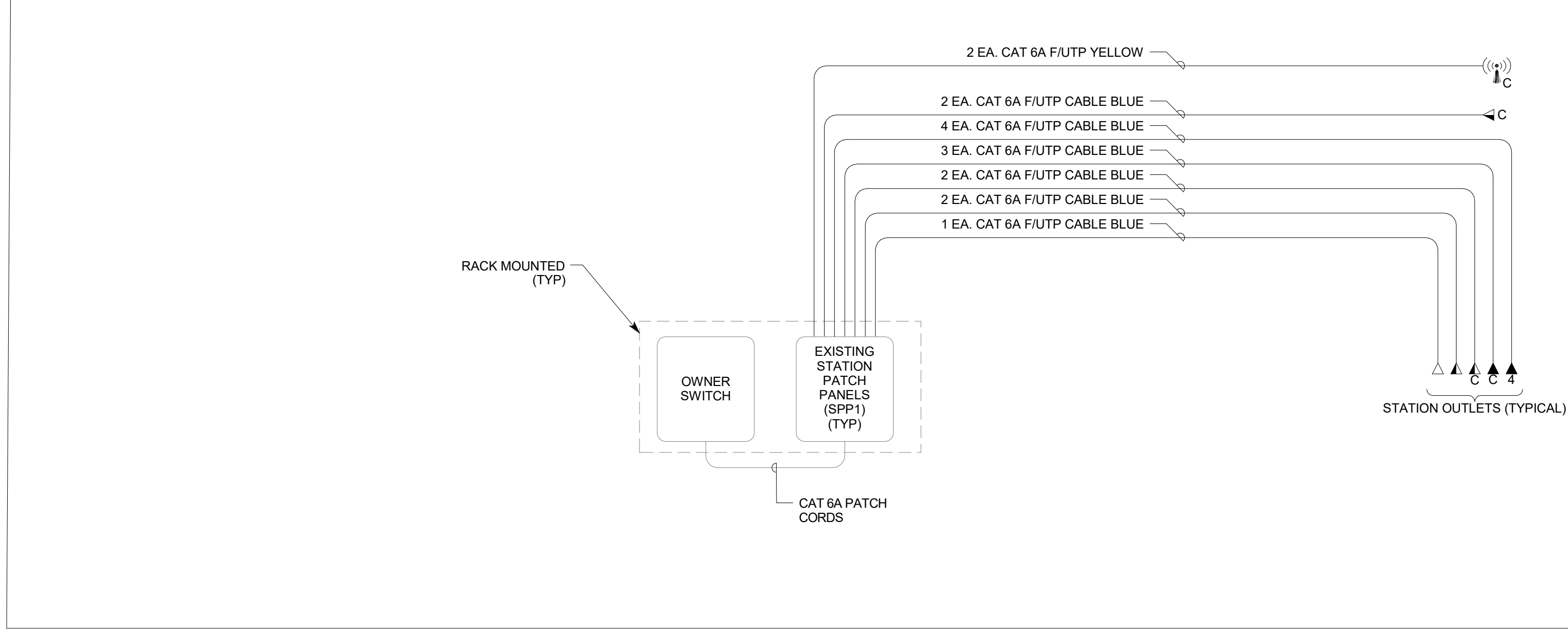
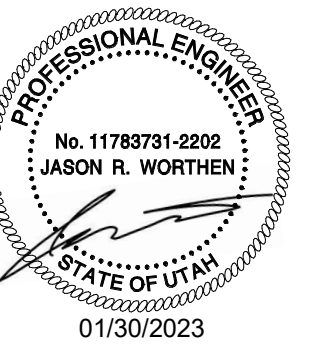
1 STATION PATCH PANEL, (SPP1)
NO SCALE



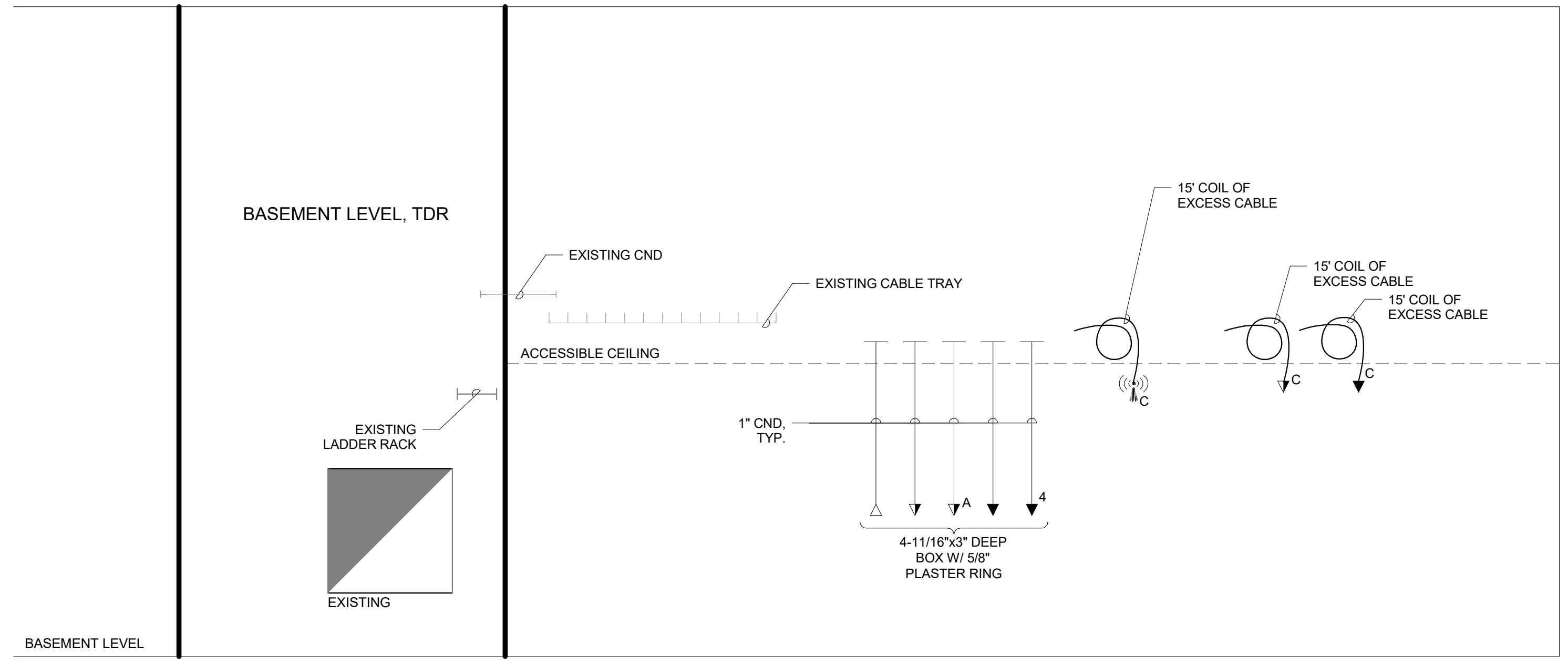
2 TYPICAL 2-PORT WALL DATA OUTLET
NO SCALE



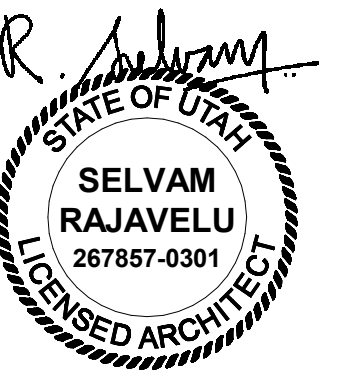
3 TYPICAL 4-PORT WALL DATA OUTLET
NO SCALE



2 TELECOM CABLE RISER DIAGRAM
NO SCALE



1 TELECOM CONDUIT RISER DIAGRAM
NO SCALE



REV	DATE	MODIFICATIONS
------------	-------------	----------------------

- 01 - C1 - Cover Sheet
- 02 - C2 - Disclaimer - Site Readiness
- 03 - A1 - General Notes
- 04 - A2 - Equipment Layout
- 05 - A3 - Section Views
- 06 - A4 - Equipment Details
- 07 - A5 - Equipment Details & Delivery (2)
- 08 - S1 - Structural Notes
- 09 - S2 - Structural Layout

- 10 - S3 - Structural Details (1)
- 11 - M1 - HVAC
- 12 - E1 - Electrical Notes
- 13 - E2 - Electrical Layout
- 14 - E3 - Electrical Elevations
- 15 - E4 - Details-Interconnections
- 16 - E5 - Power Requirements

A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the Pre Installation manual will result in incomplete documentation required for site design and preparation.
Pre Installation documents for GE Healthcare products can be accessed on the web at: www.gehealthcare.com/siteplanning

GE does not take responsibility for any damages resulting from changes on drawings made by others. Errors may occur by not referring to the complete set of final issue drawing. GE cannot accept responsibility for any damage due to the partial use of GE final issue drawings, however caused. All dimensions are in millimeters unless otherwise specified. Do not scale from printed pdf files. GE accepts no responsibility or liability for defective work due to scaling from these drawings.

LDS Hospital
Salt Lake City, Utah
USA

GE Healthcare	Michael Hatch 801-599-6221 Michael.hatch@ge.com
----------------------	---

DISCOVERY RF180
FINAL STUDY

Drawn by	Verified by	Concession	S.O. (GON)	PIM Manual	Rev
REK	REK	-	5124983	5793724-1EN	8
Format	Scale	File Name		Date	Sheet
A3	1/4"=1'-0"	RF-M254610-FIN-00-A.DWG		26/Aug/2022	01/16

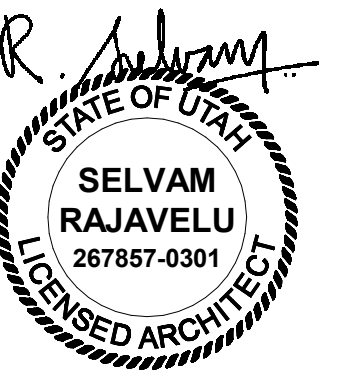
Intermountain Healthcare
LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

NJRA Project # 22246.00
 Bid Set Jan 30, 2023

GE
 Equipment
 Drawing

Q101



DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- The final study contains recommendations for the location of GE equipment and associated devices, electrical wiring and room arrangements. When preparing the study, every effort has been made to consider every aspect of the actual equipment expected to be installed.
- The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer.
- The room dimensions used to create the equipment layout may originate from a previous layout and may not be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to lack of information.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables.
- If this set of final drawings has been approved by the customer, any subsequent modification of the site must be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations must be noted.
- The equipment layout indicates the placement and interconnection of the indicated equipment components. There may be local requirements that could impact the placement of these components. It remains the customer's responsibility to ensure that the site and final equipment placement complies with all applicable local requirements.
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

CUSTOMER RESPONSIBILITIES

- It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the delivery and installation date.
- Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a way that the loads of the installed system can be securely borne and transferred. The layout of additional structural elements, dimensioning and the selection of appropriate installation methods are the sole responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the ceiling, floor or walls are the customer's responsibility.

RADIO-PROTECTION

- Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

THE UNDERSIGNED, HEREBY CERTIFIES THAT I HAVE READ AND APPROVED THE PLANS IN THIS DOCUMENT.		
DATE	NAME	SIGNATURE

CUSTOMER SITE READINESS REQUIREMENTS

REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION

Description	Document Number*
Product specific Pre-installation Manual	Refer to cover page
*documents can be accessed in multiple languages at https://customer-doc.cloud.gehealthcare.com/#/cdp/dashboard	

- A mandatory component of this drawing set is the GE Healthcare Pre-installation manual. Failure to reference the Pre-installation manual will result in incomplete documentation required for site design and preparation.
- The items on the GE Healthcare Site Readiness Checklist **DOC1809666** are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied.
 - Any deviation from these drawings must be communicated in writing to and reviewed by your local GE Healthcare installation project manager prior to making changes.
 - Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE Healthcare installation project manager can supply a reference list of rigging contractors.
 - New construction requires the following;
 1. Secure area for equipment,
 2. Power for drills and other test equipment,
 3. Restrooms.
 - Provide for refuse removal and disposal (e.g. crates, cartons, packing)
 - For CT systems it is required to minimize vibrations within the scan room. It is the customer's responsibility to contract a vibration consultant/engineer to implement site design modifications to meet the GE vibration specification. Refer to the system Pre-installation manual for vibration specifications.

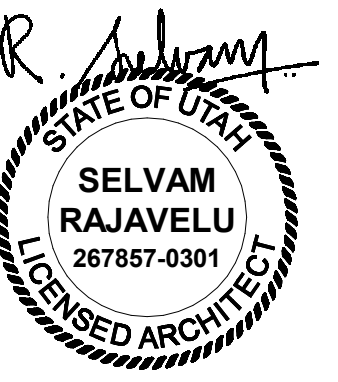
Intermountain Healthcare
 LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

GE
Equipment
Drawing

Q102



ENVIRONMENTAL SPECIFICATIONS

MAGNETIC INTERFERENCE

To guarantee specified imaging performance :
X-ray tubes and control console equipment must be located in ambient static field of less than 10 gauss.

ACOUSTIC OUTPUT

Measured 1 m from any point in system.

In-use: less than 65 dBA

Stand-by: less than 45 dBA

ATMOSPHERIC PRESSURE

Operating atmospheric pressure: 800-1013 hPa

Storage atmospheric pressure: 800-1013 hPa

Refer to the Pre-installation Manual for detailed information about individual components.

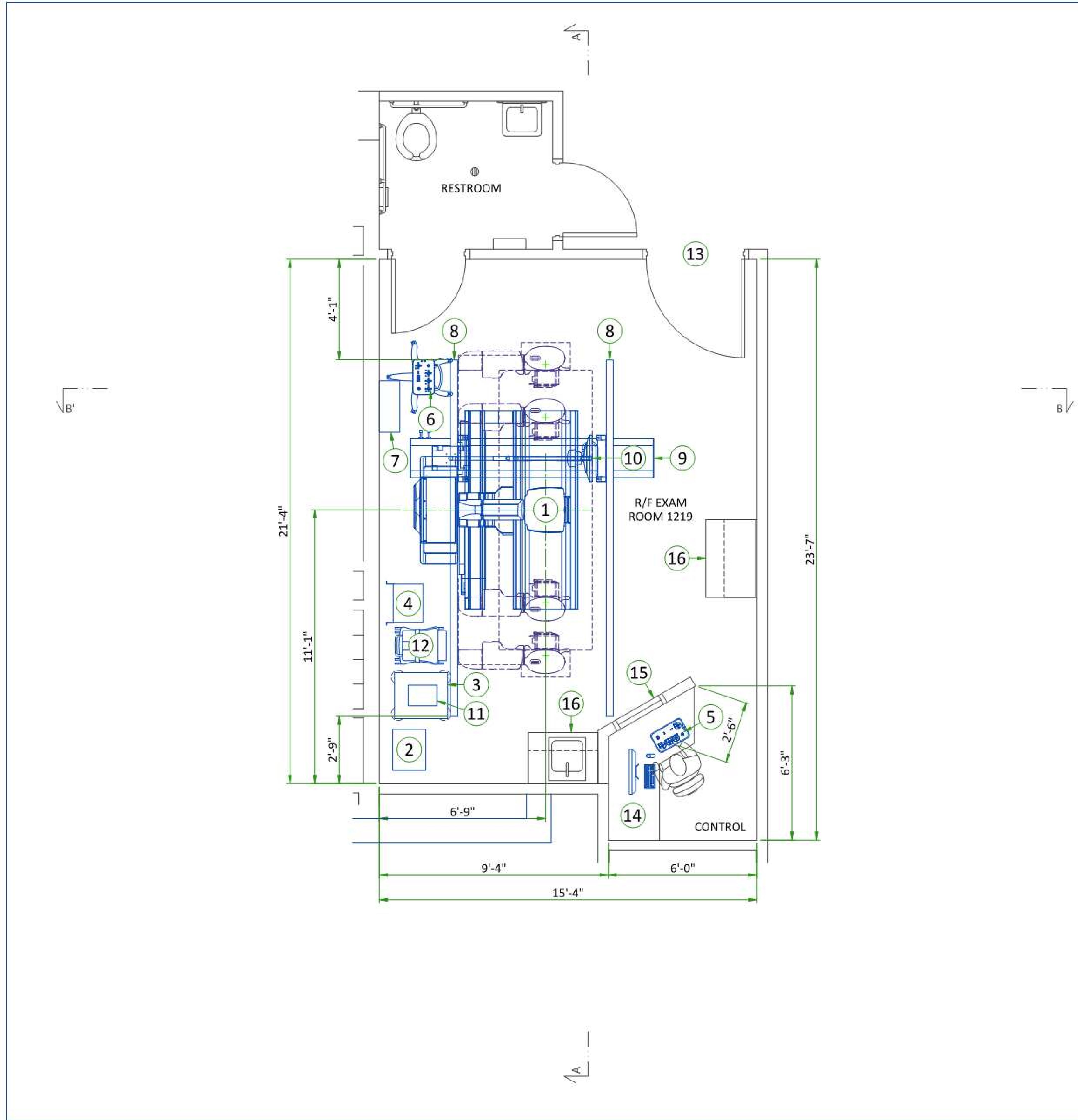
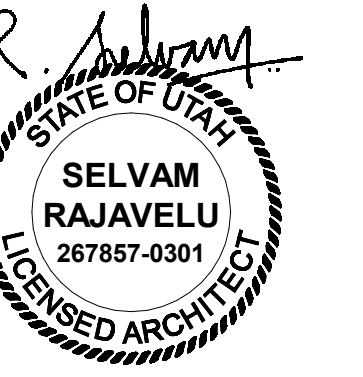
Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

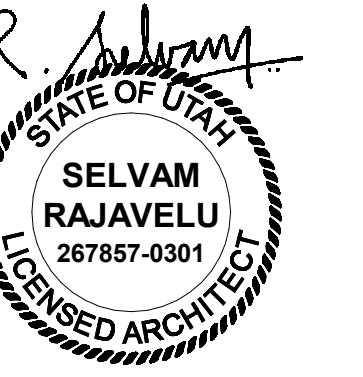
GE
Equipment
Drawing

Q103

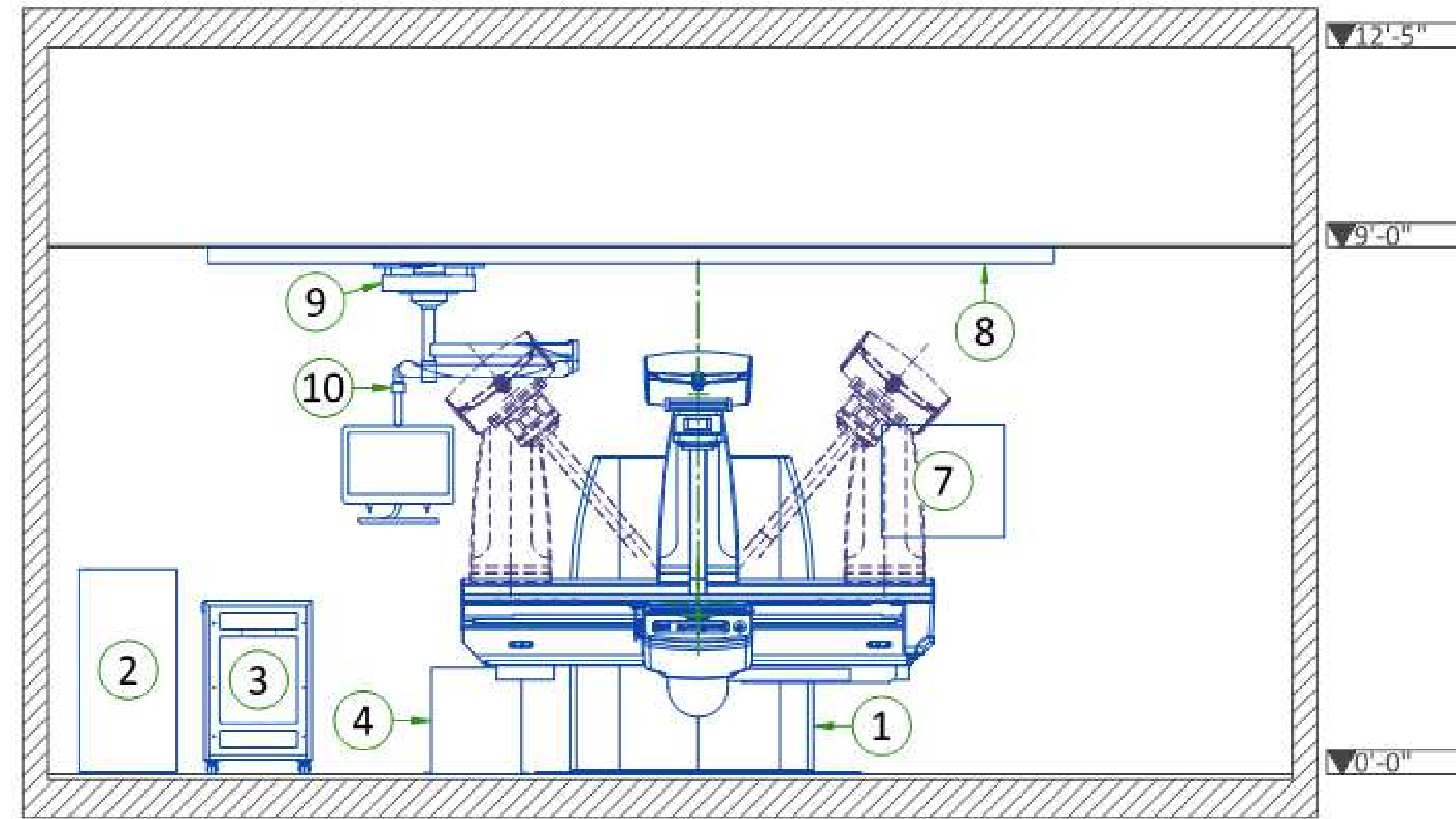


LEGEND						
A	GE Supplied	D	Available from GE			
B	GE Supplied/contractor installed	E	Equipment existing in room			
C	Customer/contractor supplied and installed	*	Item to be reinstalled from another site			
BY	ITEM	DESCRIPTION	MAX HEAT OUTPUT (btu)	WEIGHT (lbs)	MAX HEAT OUTPUT (W)	WEIGHT (kg)
A	1	Table (with over-floor plate)	2388	3197	700	1450
A	2	Generator	3500	200	1026	91
A	3	Digital Systems Cabinet	1092	242	320	110
B	4	15 kVA Transformer	-	210	-	95
A	5	Operators Console	149	17	57	8
A	6	Secondary Console	-	110	-	50
B	7	Power Distribution Box (PDB)	-	175	-	80
A	8	4410mm Kalos Rails	-	-	-	-
A	9	Monitor Suspension Bridge	-	-	-	-
A	10	Single Monitor Suspension	222	202	65	92
A	11	Partial UPS	-	77	-	35
A	12	TIMS 2000 on cart (TPC)	-	200	-	25
E	13	Minimum opening for equipment delivery is 1200 w x 1890 h [47 in. w x 74 in. h], contingent on a 2600 [102 in] corridor width				
E	14	Counter top for equipment- provide grommets openings as required to route cables				
E	15	Control wall, 7 ft. high with lead glass viewing window				
E	16	Casework				
Exam room height						
Finished floor to slab height					12'-5"	
Finished ceiling height					9'-0"	
Please note that your Discovery RF180 installation in the selected room does not meet the following minimal requirement: - 530 mm required distance between the Tube Head and any stationary object. Therefore we must apply a warning label on both Tube Head sides to remind the Operator about entrapment hazard during Gantry motions.						
For Accessory Sales: (866) 281-7545 Options 1, 2, 1, 2 or mail to: gehaccessoriesales@ge.com						

1/30/2023 6:12:22 PM



FRONT VIEW A-A'



EXAM ROOM CEILING HEIGHTS

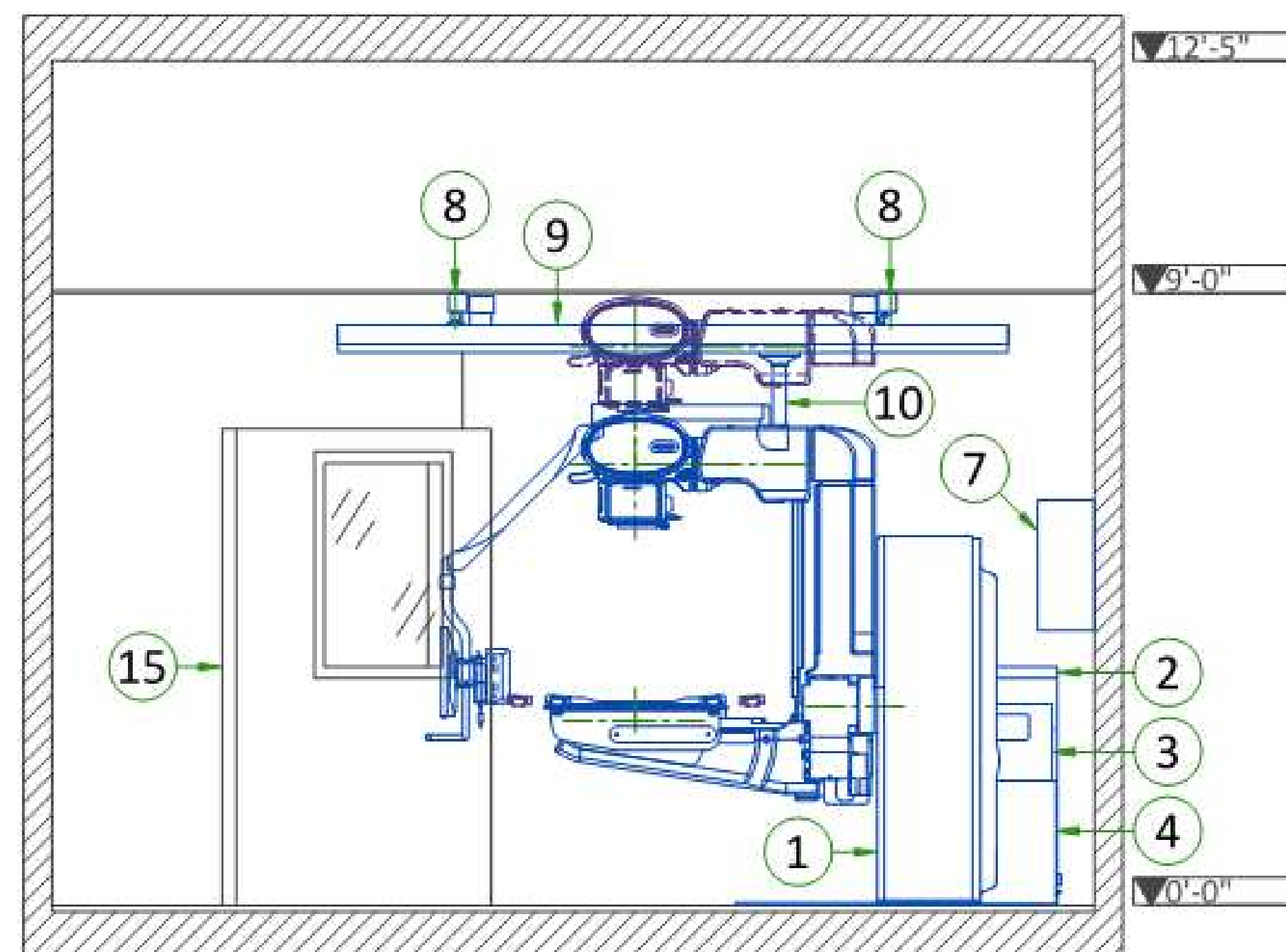
RECOMMENDED AND MINIMUM ROOM HEIGHTS

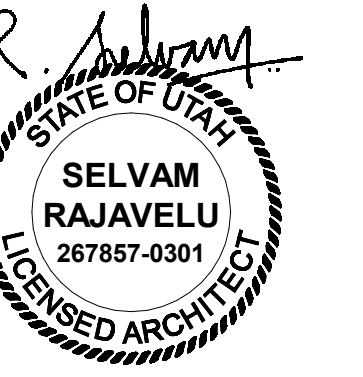
CONFIGURATION	SPECIFICATION	CEILING HEIGHT	
		mm	ft
Table	Minimum	2600	8'-6"
	Recommended	3000	9'-10"
Overhead Tube Suspension	Minimum	2600	8'-6"
	Recommended	2920	9'-7"
Monitor Suspension	Minimum	2600	8'-6"
	Recommended	2650	8'-8"
Tilting Wall Stand*	Minimum	2400	7'-8"
	Recommended	2800	9'-2"

Note : Minimum room height for the table must take into consideration the most protruding object from the ceiling that is in the system area (for example the rails for OTS).

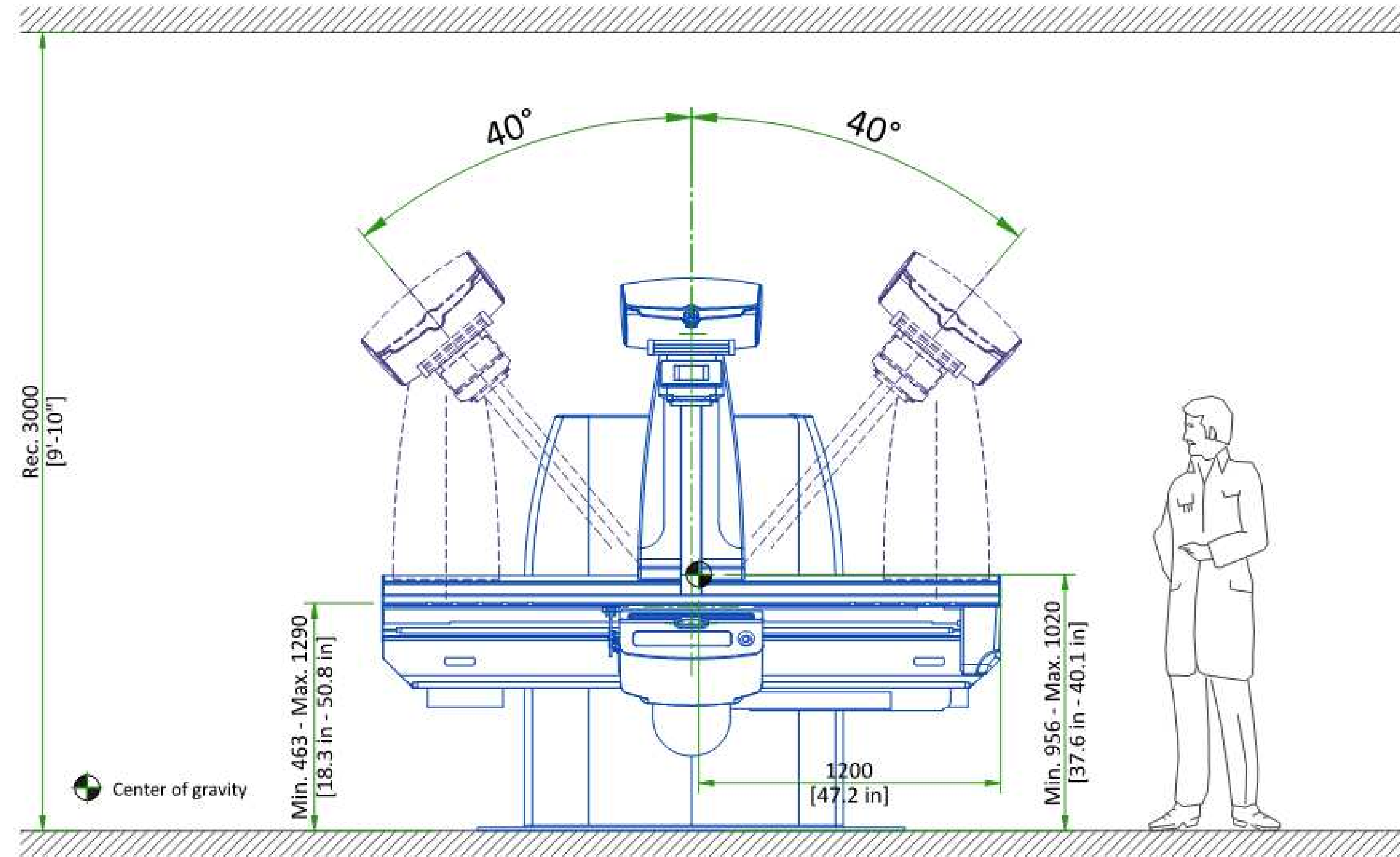
*Not available in USA

SIDE VIEW B-B'

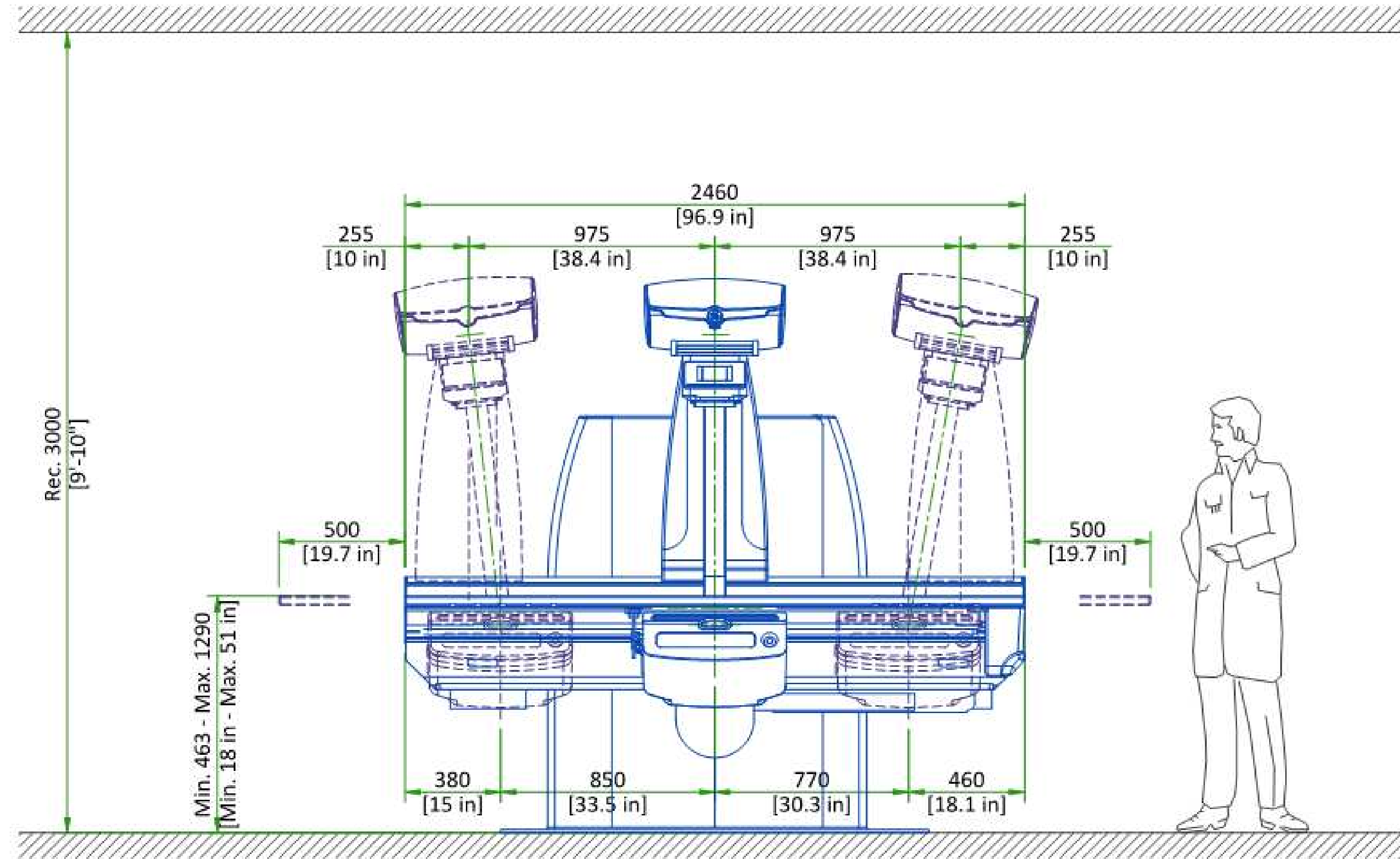




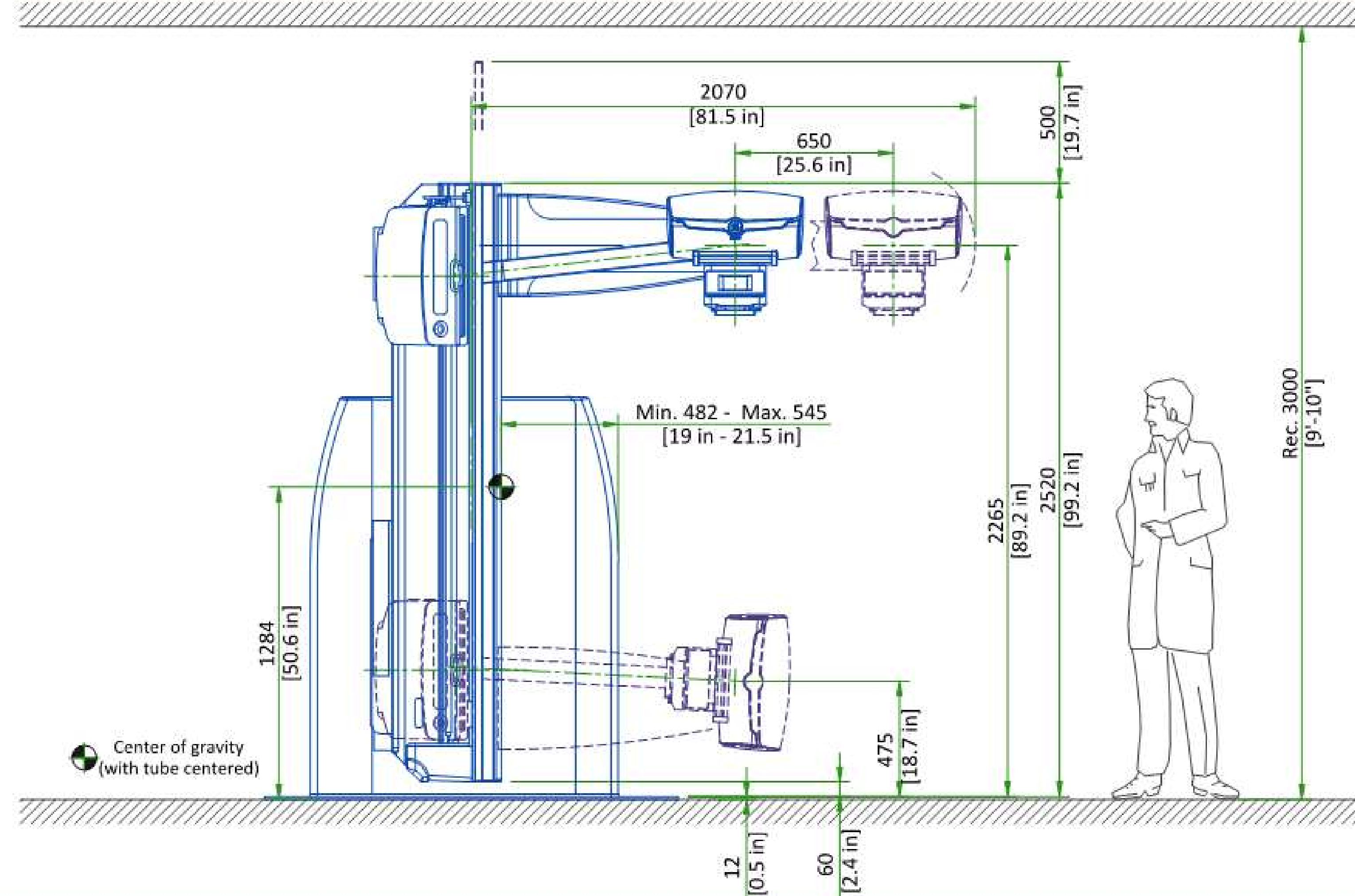
TYPICAL FRONT VIEW AND TUBE ANGULATION



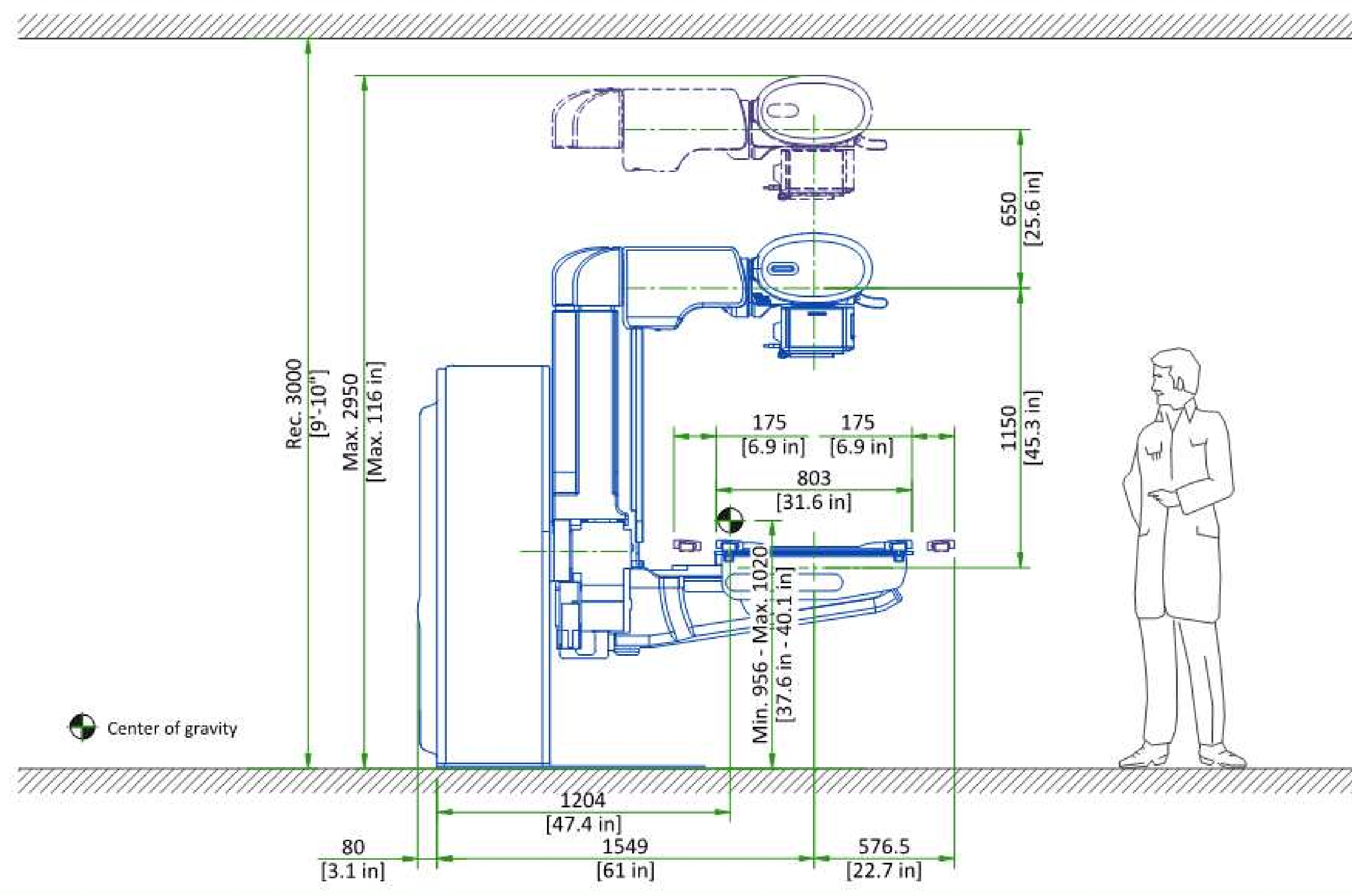
TYPICAL FRONT VIEW AND TUBE TRAVEL



TYPICAL FRONT VIEW WITH TABLE 90°



TYPICAL SIDE VIEW



Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

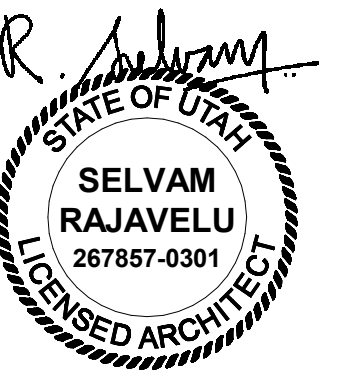
8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

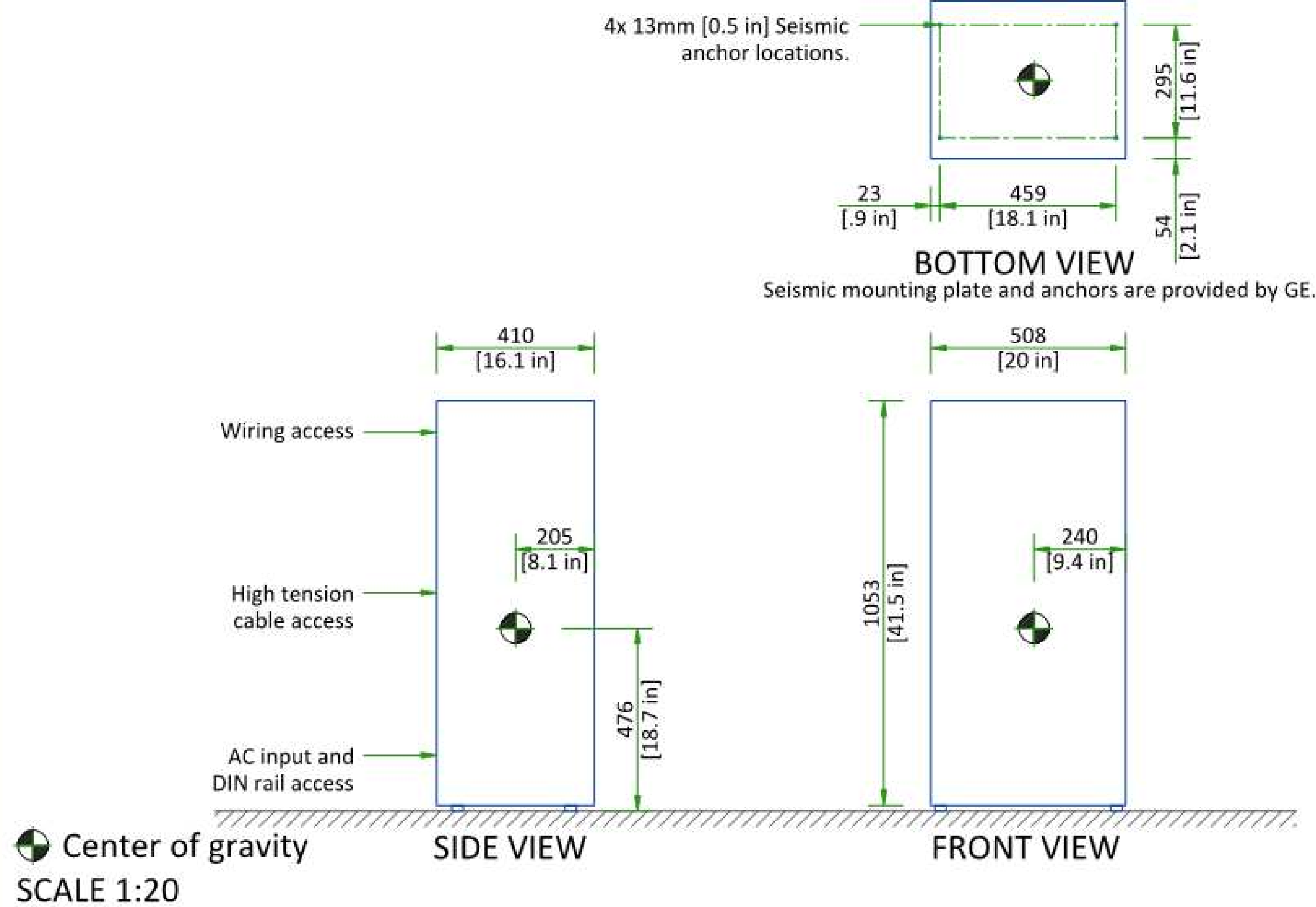
GE
Equipment
Drawing

Q106

1/30/2023 6:12:24 PM



GENERATOR



DELIVERY

THE CUSTOMER/CONTRACTOR SHOULD:

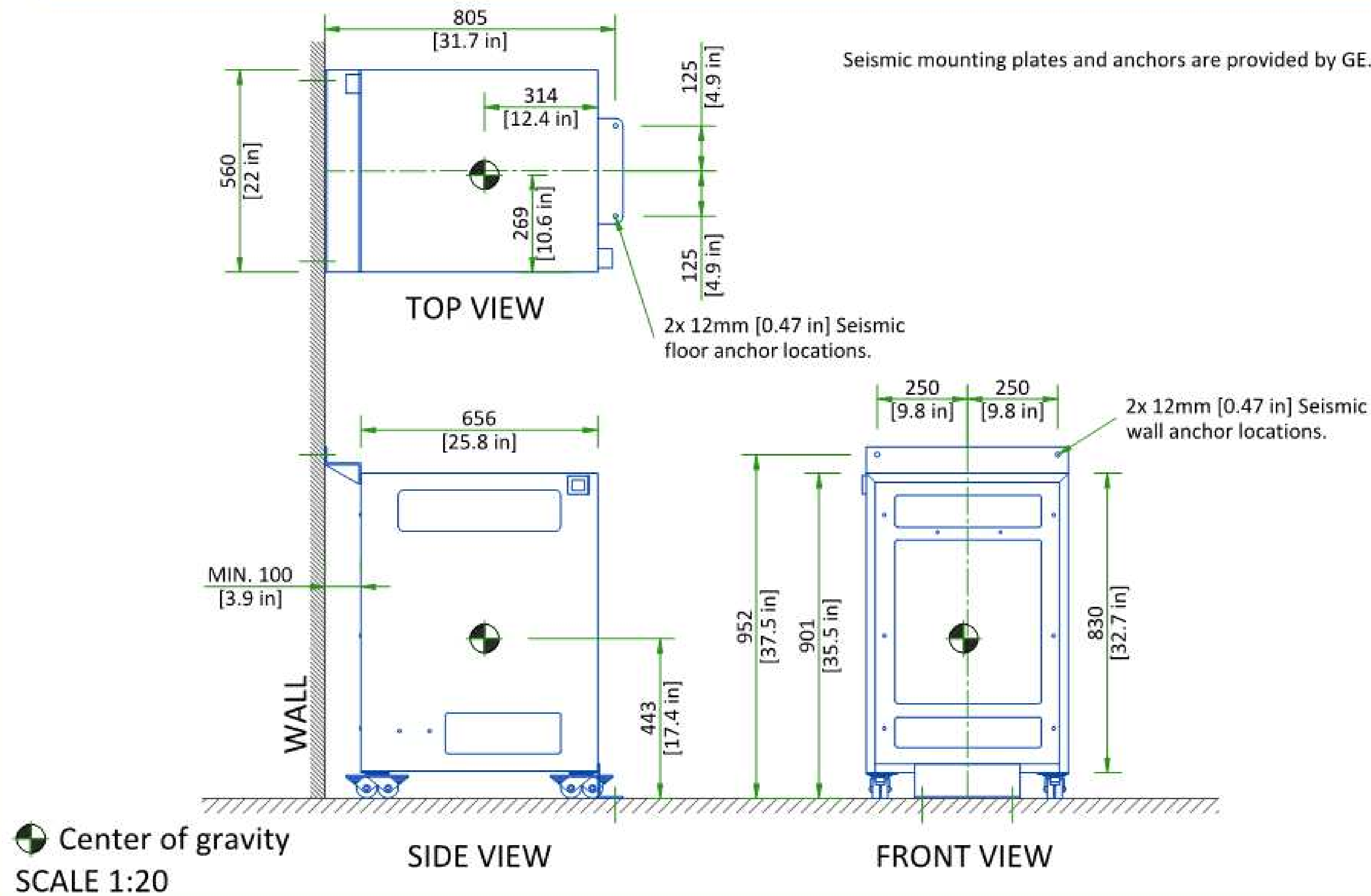
- Provide an area adjacent to the installation site for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights are sufficient to accommodate the movement of GE equipment from the delivery area into the definitive installation room.
- Ensure that access routes for equipment will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- Ensure that all necessary arrangements for stopping and unloading on public or private property not belonging to the customer have been made.

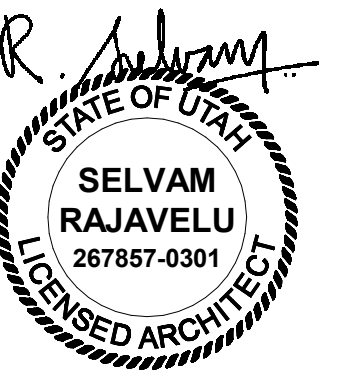
The unit (table main frame and body) can be shipped through a 1200 mm [47 in] door width and 1200 mm [47 in] minimum hallway width. The unit can be divided and the major assemblies can be maneuvered through a 1020 mm [40 in] doorway and 1300 mm [51 in] hallway width (Order has to be placed accordingly, table is shipped in one piece by default). The OTS can be shipped through a 900 mm [35 in] door width and 2600 mm [102.4 in] minimum hallway width or through a 1400 mm [55 in] door width and 1800 mm [71 in] minimum hallway width.

DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

MAJOR ASSEMBLIES	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (kg)
Table main frame and body	2460 [97 in]	1064 [41.9 in]	1859 [73.2 in]	-
Table main frame	2460 [97 in]	650 [25.6 in]	1859 [73.2 in]	350 [772 lb]
Table body	1269 [50 in]	1005 [39.6 in]	1633 [64.3 in]	620 [1367 lb]
OTS (Optional)	3010 [118.5 in]	744.2 [29.3 in]	-	328 [723 lb]
Monitor Suspension (Optional)	3010 [118.5 in]	744.2 [29.3 in]	-	328 [723 lb]

DIGITAL SYSTEM CABINET





STRUCTURAL NOTES

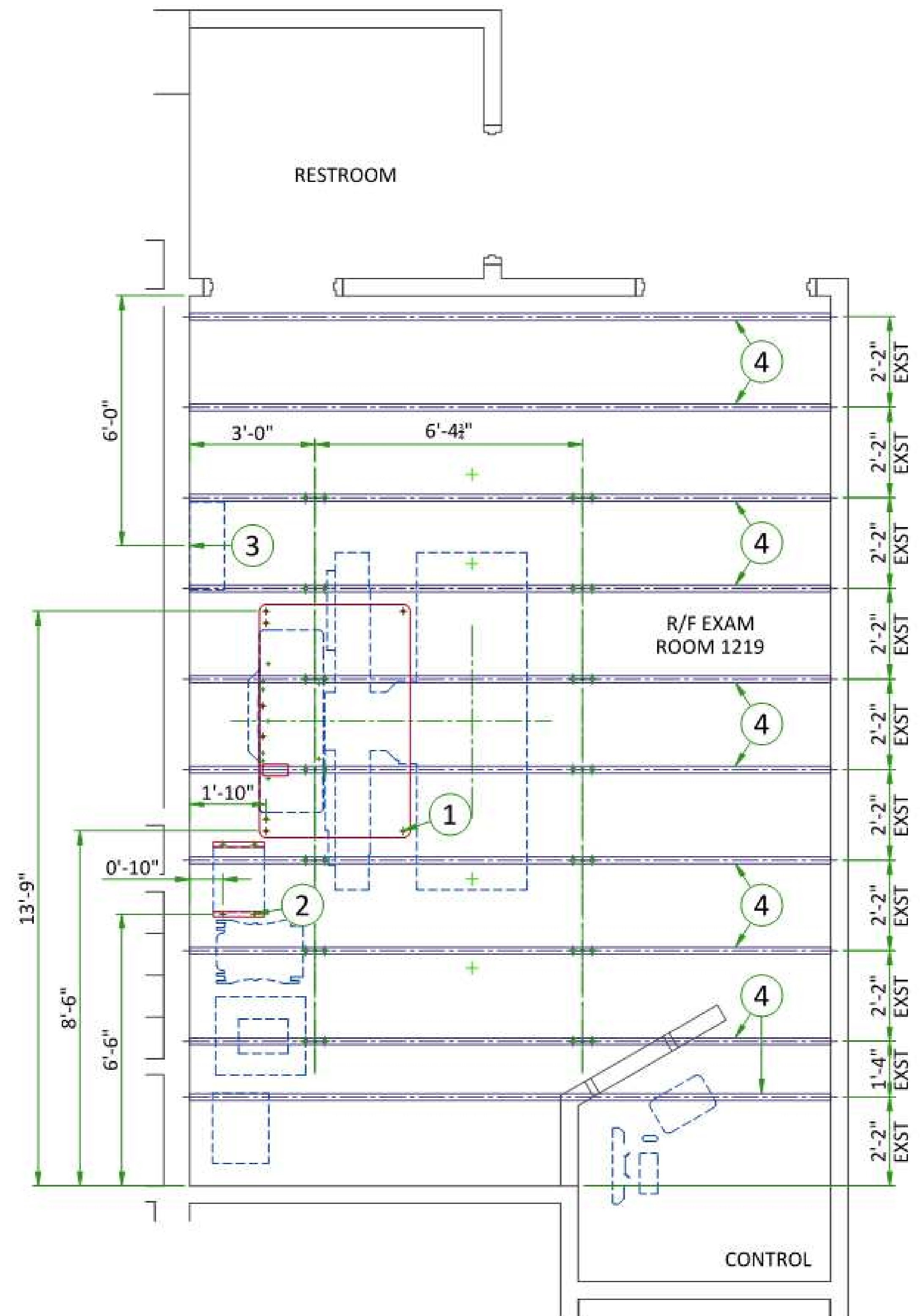
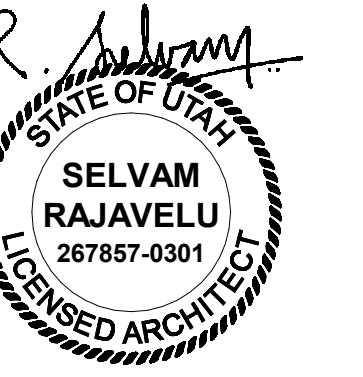
- Methods of support for the steelwork that will permit attachment to structural steel or through bolts in concrete construction should be favored. Do not use concrete or masonry anchors in direct tension.
- All units that are wall mounted or wall supported are to be provided with supports where necessary. Wall supports are to be supplied and installed by the customer or his contractors. See plan for suggested locations.
- Control walls shall be constructed to minimum 2130mm (7'-0") high.
- Dimensions are to finished surfaces of room.
- Customers contractor must provide all penetrations in post tension floors.
- Customers contractor must provide and install any non-standard anchoring. Documents for standard anchoring methods are included with GE equipment drawings for geographic areas that require such documentation.
- Customers contractor must provide and install hardware for "through the floor" anchoring and/or any bracing under access floors. This contractor must also provide floor drilling that cannot be completed because of an obstruction encountered while drilling by the GE installer such as rebar etc.
- It is the customer's responsibility to perform any floor or wall penetrations that may be required. The customer is also responsible for ensuring that no subsurface utilities (e.g., electrical or any other form of wiring, conduits, piping, duct work or structural supports (i.e. post tension cables or rebar)) will interfere or come in contact with subsurface penetration operations (e.g. drilling and installation of anchors/screws) performed during the installation process. To ensure worker safety, GE installers will perform surface penetration operations only after the customer's validation and completion of the "GE surface penetration permit".
- Different anchor types are used to install the components of the system. Refer to Structural Requirements Section(s) of the Pre-Installation Manual for each anchor requirement.
- Refer to the Structural Requirements Section for the required minimum embedment.
- The ground surface must be flat and leveled, maximum tolerance for leveling is ± 1.5 mm per 1 m (0.2 in per 10 feet). A grout pad provided by the contractor is required to meet this specification. The maximum pad thickness is 6.3 mm (0.25 in).

CEILING REQUIREMENTS

To allow installation of the stationary rail cross-members, clearance is required between the ends of the stationary rails and the walls.

It is recommended that sprinkler heads not be placed between the stationary rails. All sprinkler heads should be mounted so they do not extend downward more than 6.35 mm from the ceiling while in the 'resting' position.

In addition, there should not be anything mounted in the ceiling (i.e. lights, A/C returns, etc) between the stationary rails. This is because the OTS longitudinal drive belt assembly is located on the movable bridge, approximately centered between the two stationary rails, and may come into contact with those ceiling-mounted items during normal use.



ITEM	DESCRIPTION
(GE SUPPLIED / CONTRACTOR INSTALLED)	
1	Area occupied by GE supplied table baseplate
2	Area occupied by GE supplied transformer
(CONTRACTOR SUPPLIED & INSTALLED)	
3	Support backing, locate as shown.
4	Existing, reuse if adequate. Structural support in ceiling for fastening ceiling supported equipment. Supports to run continuous with no fittings extending below face of channel, run wall to wall, be parallel, square, and in the same horizontal plane, flush with the finished ceiling. Rails are mounted to these supports every 26.0" (660mm) and require 452 lbs. (205 kg) per bolt load. Methods of support that permit attachment to structural steel or through bolts in concrete should be favored. Do not use screw anchors in direct tension.

Intermountain Healthcare
 LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

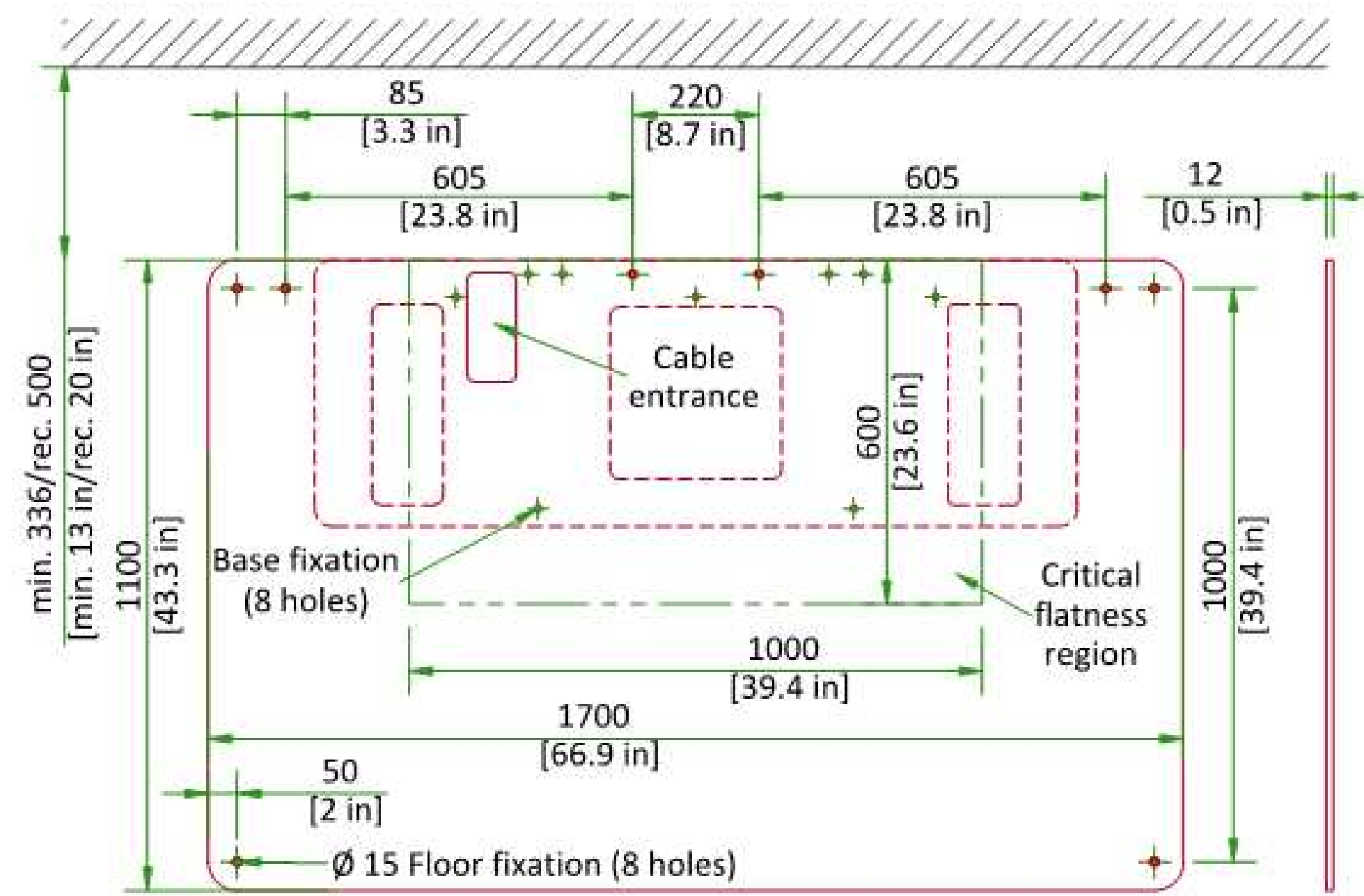
GE
Equipment
Drawing

Q109

1/30/2023 6:12:28 PM

TABLE FLOOR MOUNTING

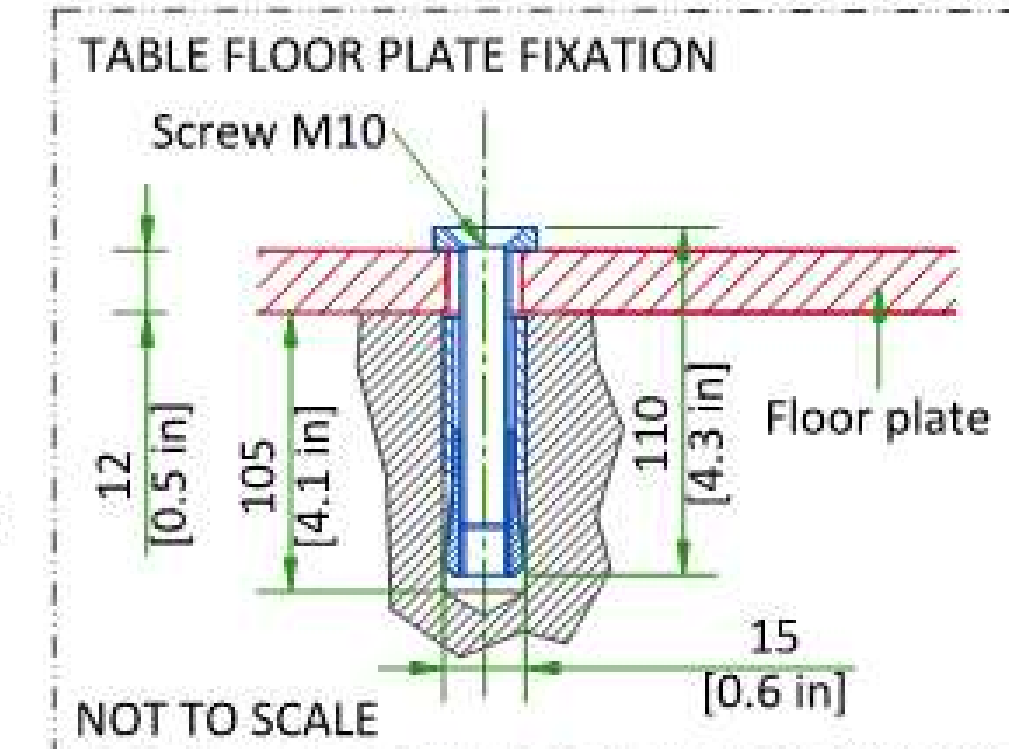
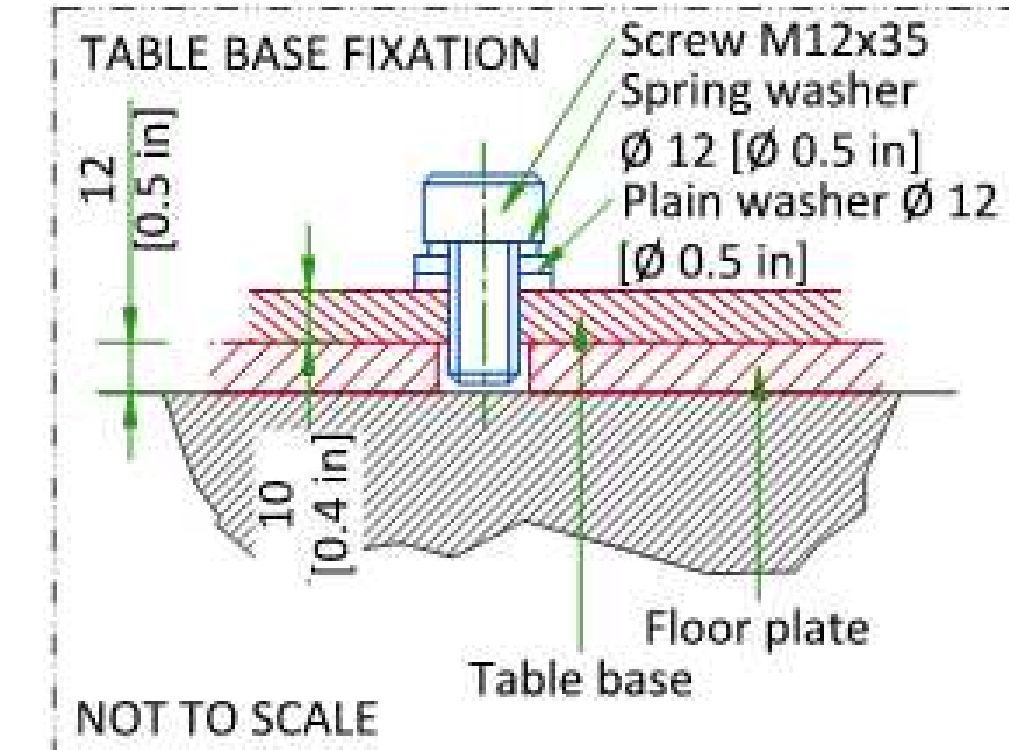
OVERFLOOR PLATE



- Floor plate, M10 screws and washers are delivered with the system.
- The floor thickness must be at least 140 mm [5.5 in].
- Critical flatness region must be flat and level, with deviations of no more than 1.5mm [1/16 in]
 - shims may be used along perimeter of baseplate to improve surface contact

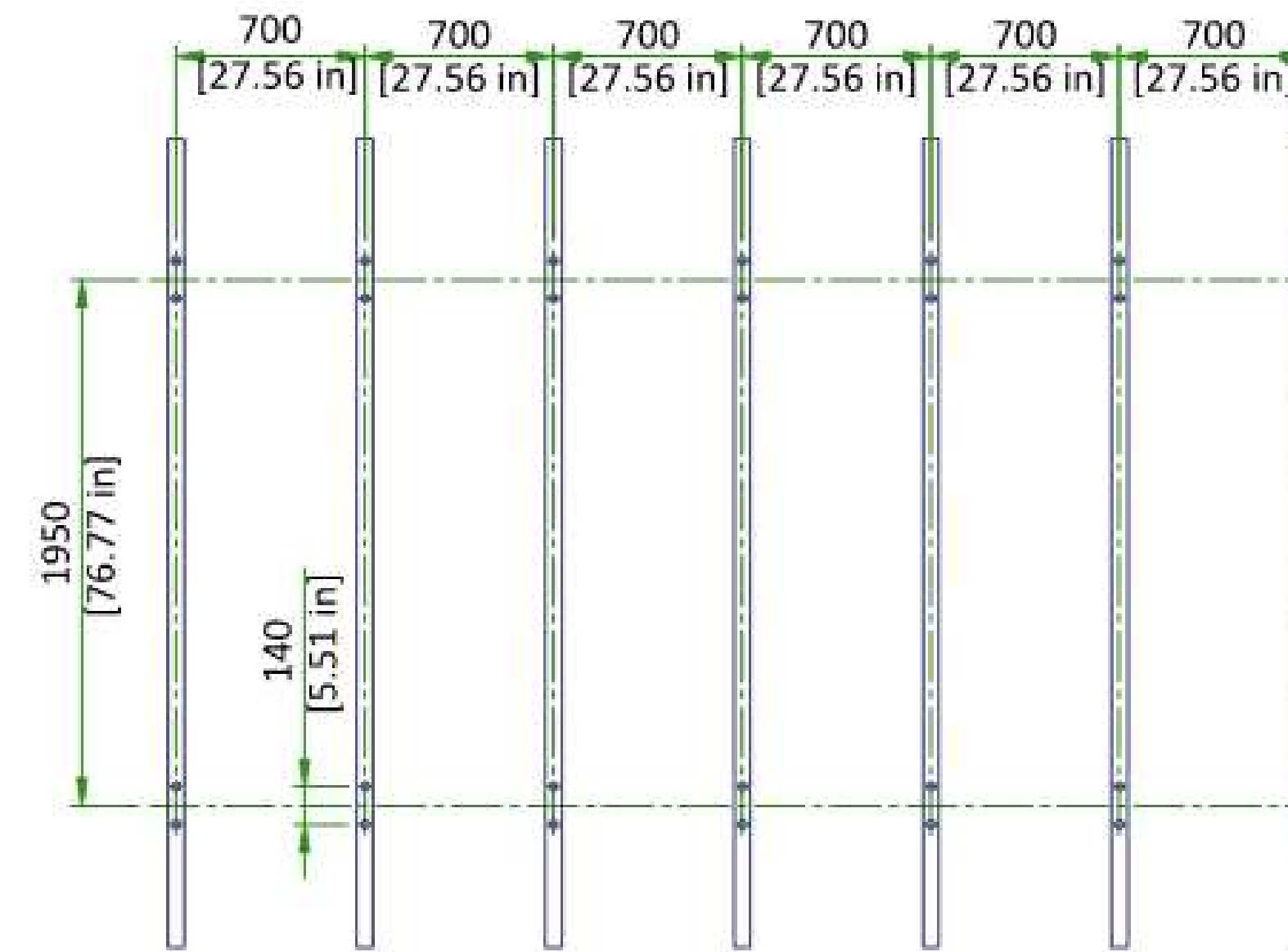
SCALE 1:20

Unit weight: 1025 kg [2260 lb]
Plate weight: 180 kg [397 lb]
Total load: 1205 kg [2657 lb]
Loading area: 1.90 m² [20.5 ft²]
Floor loading: 805kg / m² [165 lb / ft²]



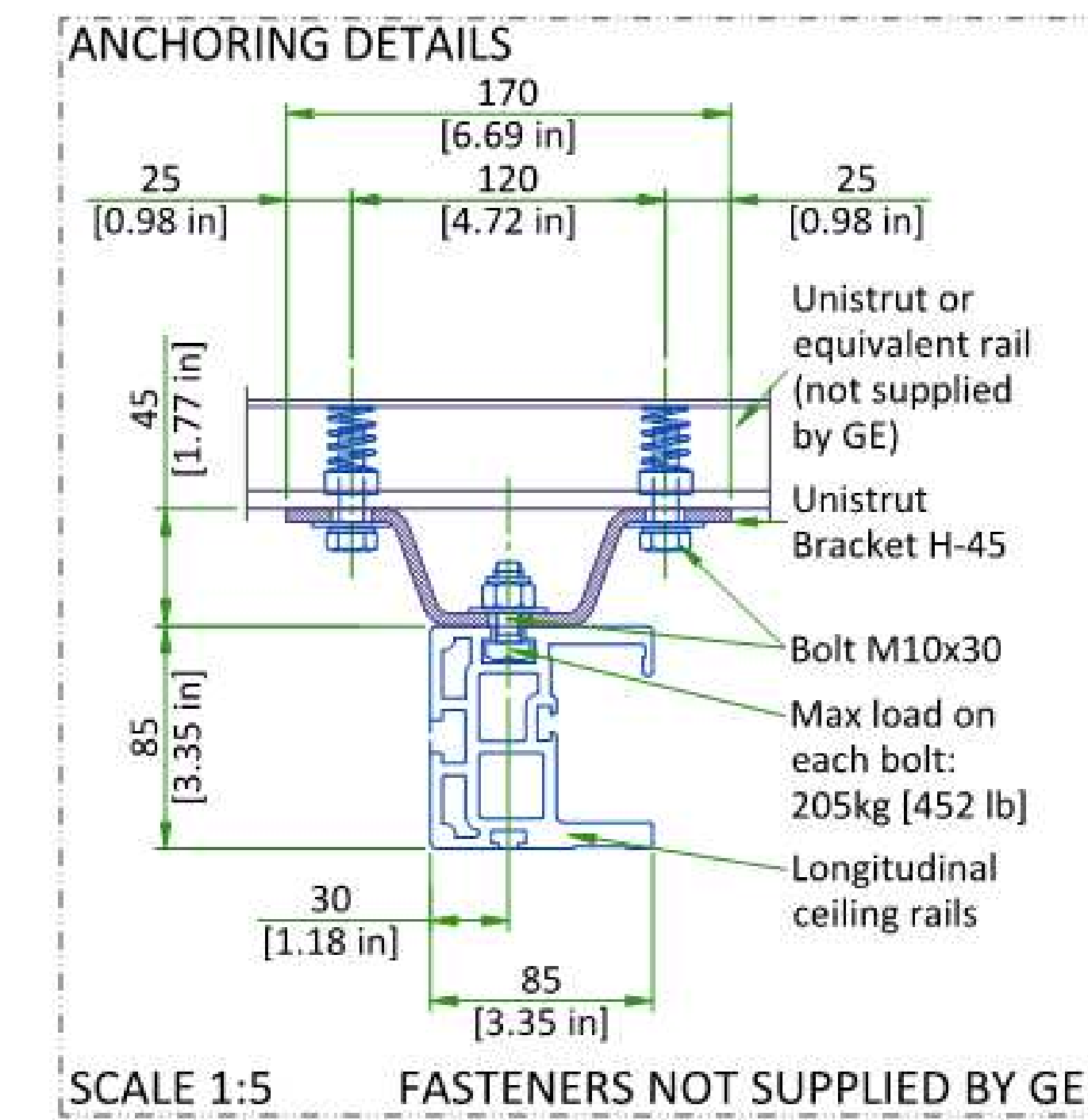
SUSPENSION RAILS MOUNTING SPECIFICATIONS

STRUCTURAL RAILS PERPENDICULAR TO SUSPENSION RAILS

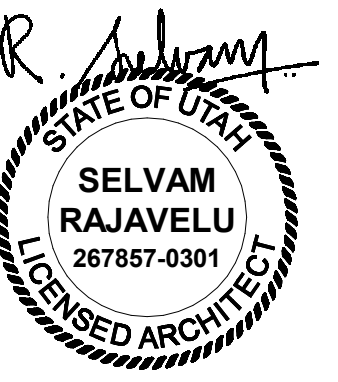


- Rail extremities must be separated from the wall by a 150mm [6in] distance
- Fire sprinklers, lights, air conditioning returns located in the suspension area must not be below the false ceiling
- Unistrut or equivalent structural support must be fixed perfectly parallel and on the same plane
- 660mm [26 in] steps are also possible

SCALE 1:50



SCALE 1:5 FASTENERS NOT SUPPLIED BY GE



TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM			CONTROL ROOM		
	Min	Recommended	Max	Min	Recommended	Max
Temperature	15°C [59°F]	23°C [73°F]	35°C [95°F]	15°C [59°F]	23°C [73°F]	35°C [95°F]
Relative humidity (1)	75%			75%		
Heat dissipation	max 2.5 kW [8490 BTU/hr]			0.41 kW [1399 BTU/hr]		

STORAGE CONDITIONS

Temperature	-10°C [14°F] to 50°C [122°F]
Relative humidity (1)	10% to 80%

Material should not be stored for more than 90 days.
(1) non-condensing

AIR RENEWAL

According to local standards.

NOTE

In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

HEAT DISSIPATION DETAILS

ROOM	DESCRIPTION	STANDBY (kW)	IN-USE (kW)	STANDBY (BTU/hr)	IN-USE (BTU/hr)
Exam Room	Table	0.700	0.700	2388	2388
	Generator	0.022	1.026	75	3500
	Digital Systems Cabinet	0.320	0.320	1092	1092
	Partial UPS	0.050	0.050	N/A	N/A
	Monitor (single)	0.057	0.057	149	149
	Advantech Monitor (single)	0.065	0.065	222	222
	OTS	0.350	0.350	1190	1190

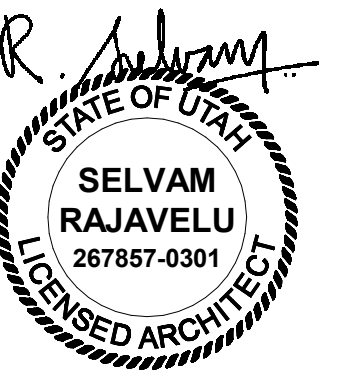
Intermountain Healthcare
 LDS Hospital
 Fluoro Room 2 Remodel

8th Ave., C Street
 Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

GE
Equipment
Drawing

Q111



CONNECTIVITY REQUIREMENTS

All Digital systems are equipped with Broadband fast Ethernet hardware for Service Diagnostics. The systems equipped with Digital Imaging are capable of placing electronic images on the Hospital image Ethernet Network (DICOM).

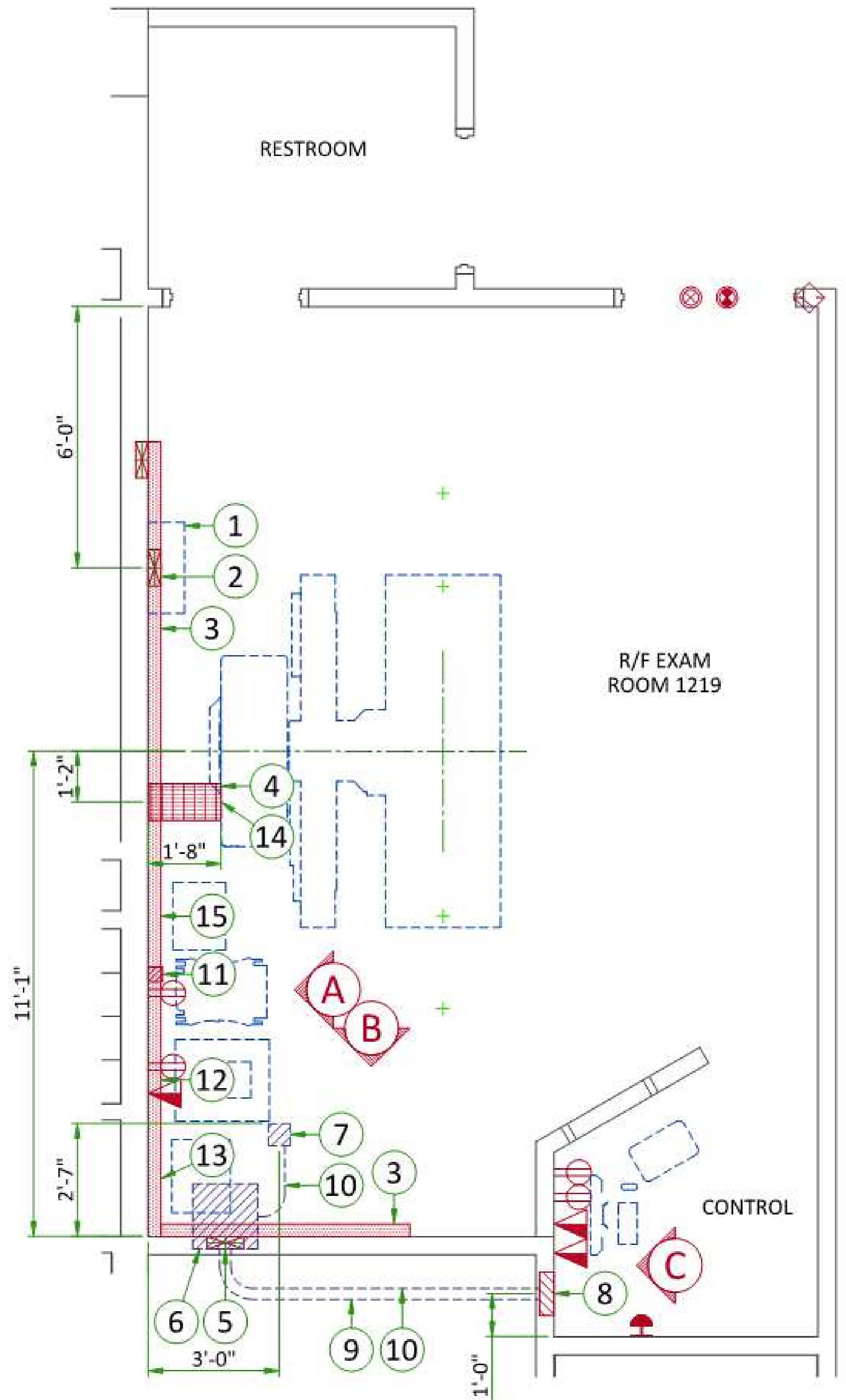
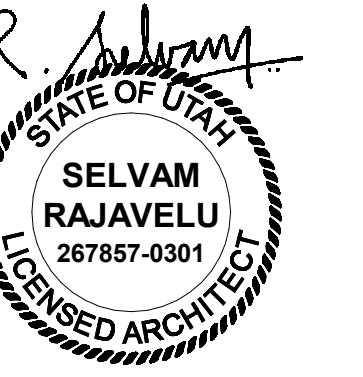
The Digital PC (part of the Digital subsystem) is the connectivity point between the system and the hospital. For a Broadband connection, it is the purchaser's responsibility to provide the connection at the Ethernet port on the Digital PC via a Cat 5 Ethernet cable and the hospital Ethernet connection.

Note: System hardware is rated at 100/1000Mbs transfer rate. Hospital connections must be rated for 100/1000Mbs for optimal performance. One RJ45 Ethernet plus should be present in the room.

ELECTRICAL NOTES

1. All wires specified shall be copper stranded, flexible, thermo-plastic, color coded, cut 10 foot long at outlet boxes, duct termination points or stubbed conduit ends. All conductors, power, signal and ground, must be run in a conduit or duct system. Electrical contractor shall ring out and tag all wires at both ends. Wire runs must be continuous copper stranded and free from splices.
 - 1.1. Aluminum or solid wires are not allowed.
2. Wire sizes given are for use of equipment. Larger sizes may be required by local codes.
3. It is recommended that all wires be color coded, as required in accordance with national and local electrical codes.
4. Conduit sizes shall be verified by the architect, electrical engineer or contractor, in accordance with local or national codes.
5. Convenience outlets are not illustrated. Their number and location are to be specified by others. Locate at least one convenience outlet close to the system control, the power distribution unit and one on each wall of the procedure room. Use hospital approved outlet or equivalent.
6. General room illumination is not illustrated. Caution should be taken to avoid excessive heat from overhead spotlights. Damage can occur to ceiling mounting components and wiring if high wattage bulbs are used. Recommend low wattage bulbs no higher than 75 watts and use dimmer controls (except MR). Do not mount lights directly above areas where ceiling mounted accessories will be parked.
7. Routing of cable ductwork, conduits, etc., must run direct as possible otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).
8. Conduit turns to have large, sweeping bends with minimum radius in accordance with national and local electrical codes.
9. A special grounding system is required in all procedure rooms by some national and local codes. It is recommended in areas where patients might be examined or treated under present, future, or emergency conditions. Consult the governing electrical code and confer with appropriate customer administrative personnel to determine the areas requiring this type of grounding system.
10. The maximum point to point distances illustrated on this drawing must not be exceeded.
11. Physical connection of primary power to GE equipment is to be made by customers electrical contractor with the supervision of a GE representative. The GE representative would be required to identify the physical connection location, and insure proper handling of GE equipment.
12. GEHC conducts power audits to verify quality of power being delivered to the system. The customer's electrical contractor is required to be available to support this activity.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor.
- Conduit and duct runs shall have sweep radius bends
- Conduits and duct above ceiling or below finished floor must be installed as near to ceiling or floor as possible to reduce run length.
- Ceiling mounted junction boxes illustrated on this plan must be installed flush with finished ceiling.
- All ductwork must meet the following requirements:
 1. Ductwork shall be metal with dividers and have removable, accessible covers.
 2. Ductwork shall be certified/rated for electrical power purposes.
 3. Ductwork shall be electrically and mechanically bonded together in an approved manner.
 4. PVC as a substitute must be used in accordance with all local and national codes.
- All openings in raceway and access flooring are to be cut out and finished off with grommet material by the customers contractor.
- General contractor to insert pull cords for all cable run conduits between the equipment room and the operators control room.
- 10 foot pigtails at all junction points.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.

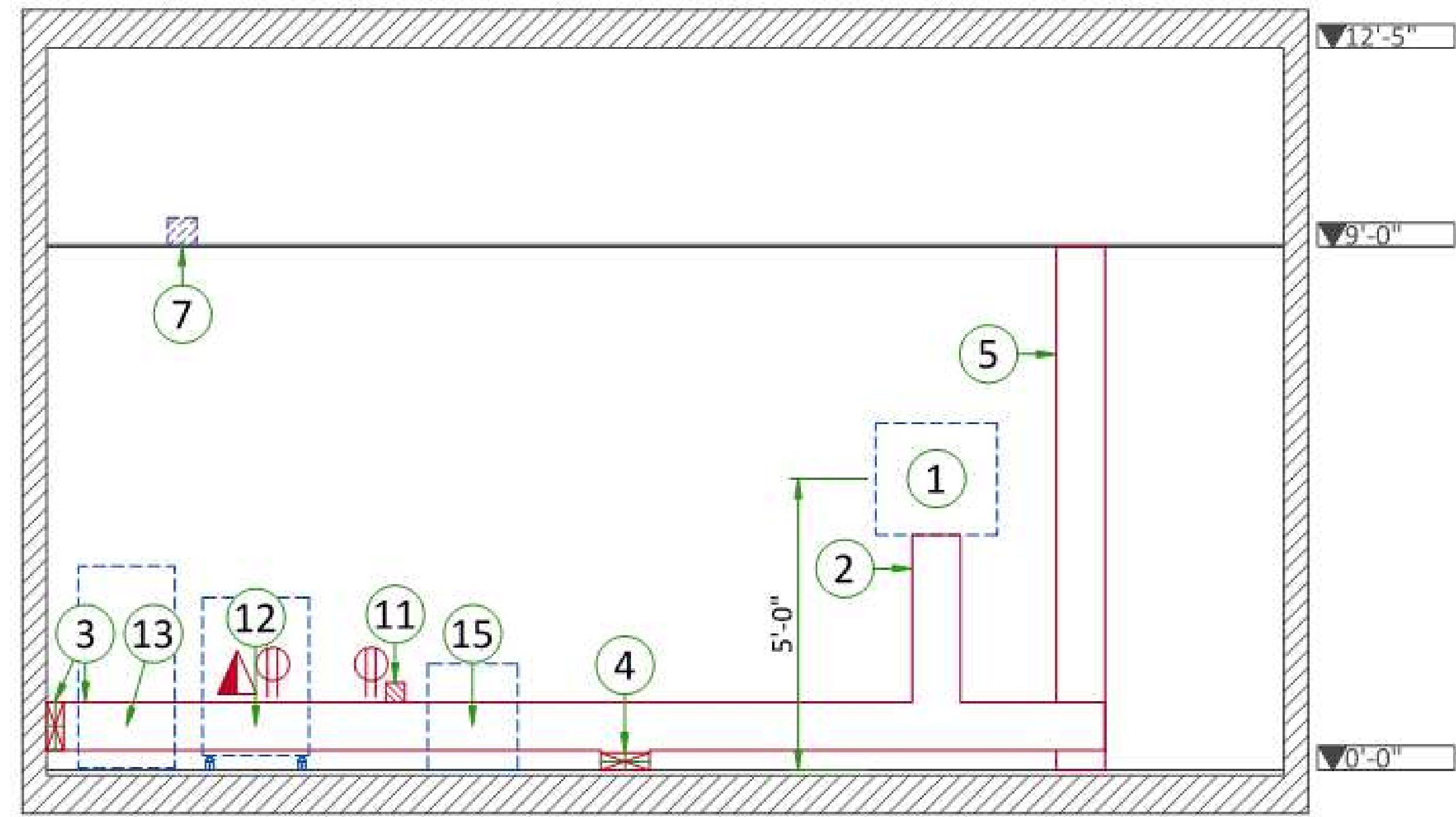
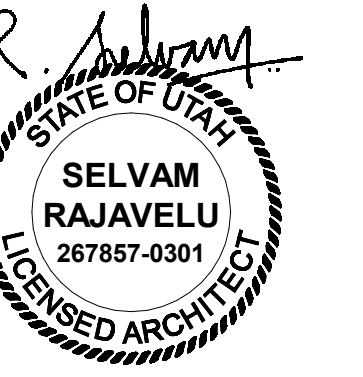


Item	Electrical Layout Item List
1	Power Distribution Box (PDB)
2	10" x 3 1/2" [250 x 100] Surface wall duct to bottom of PDB with minimum 2 dividers
3	Existing 10" x 3 1/2" [250 x 100] Surface wall duct with minimum 2 dividers
4	10" x 3 1/2" [250 x 100] Surface floor duct with minimum 2 dividers
5	Existing 10" x 3 1/2" [250 x 100] Flush wall duct with minimum 2 dividers
6	Existing Box above ceiling
7	Box flush in ceiling - size per local code (Monitor)
8	Existing Flush box (Operators Console)
9	Existing 2 1/2" [64] Conduit above ceiling
10	2 1/2" [64] Conduit above ceiling
11	4" x 4" x 4" [100 x 100 x 100] Box attached to duct (TIMS Readiness Kit)
12	Grommeted opening (Digital Systems Cabinet)
13	Grommeted opening (Generator Cabinet)
14	Grommeted opening (Table)
15	Grommeted opening (Transformer)

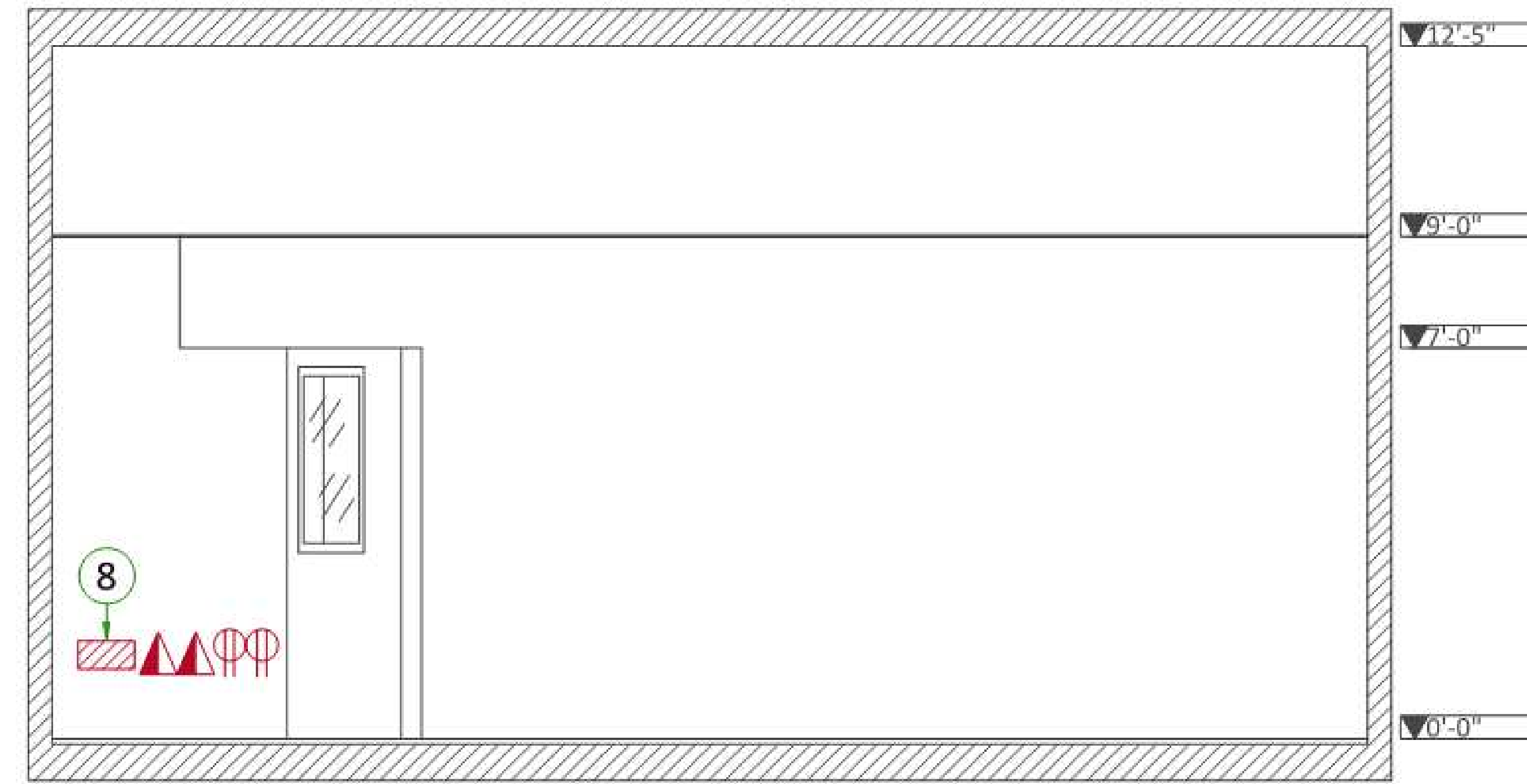
ITEM	QTY	Electrical Outlet Legend
Customer/contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.		
		System emergency off (SEO), (recommended height 1.2m [48"] above floor)
		X-Ray room warning light control panel
		X-Ray ON lamp (L1) - 24V
		Door interlock switch (needed only if required by state/local codes)
		Duplex hospital grade, dedicated wall outlet 120-v, single phase power
		Network outlet

Additional Conduit Runs (Contractor Supplied and Installed)					
From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size		
			In.	mm	
3 phase power	1 Power Distribution Box	1	As req'd	As req'd	
1 Power Distribution Box	Emergency off	1	1/2	16	
	OTS On/off switch	1	1/2	16	
Warning light	Warning light control	1	1/2	16	
1 phase power		1	As req'd	As req'd	
6 Generator	Door Switch	1	1/2	16	
		1	1/2	16	

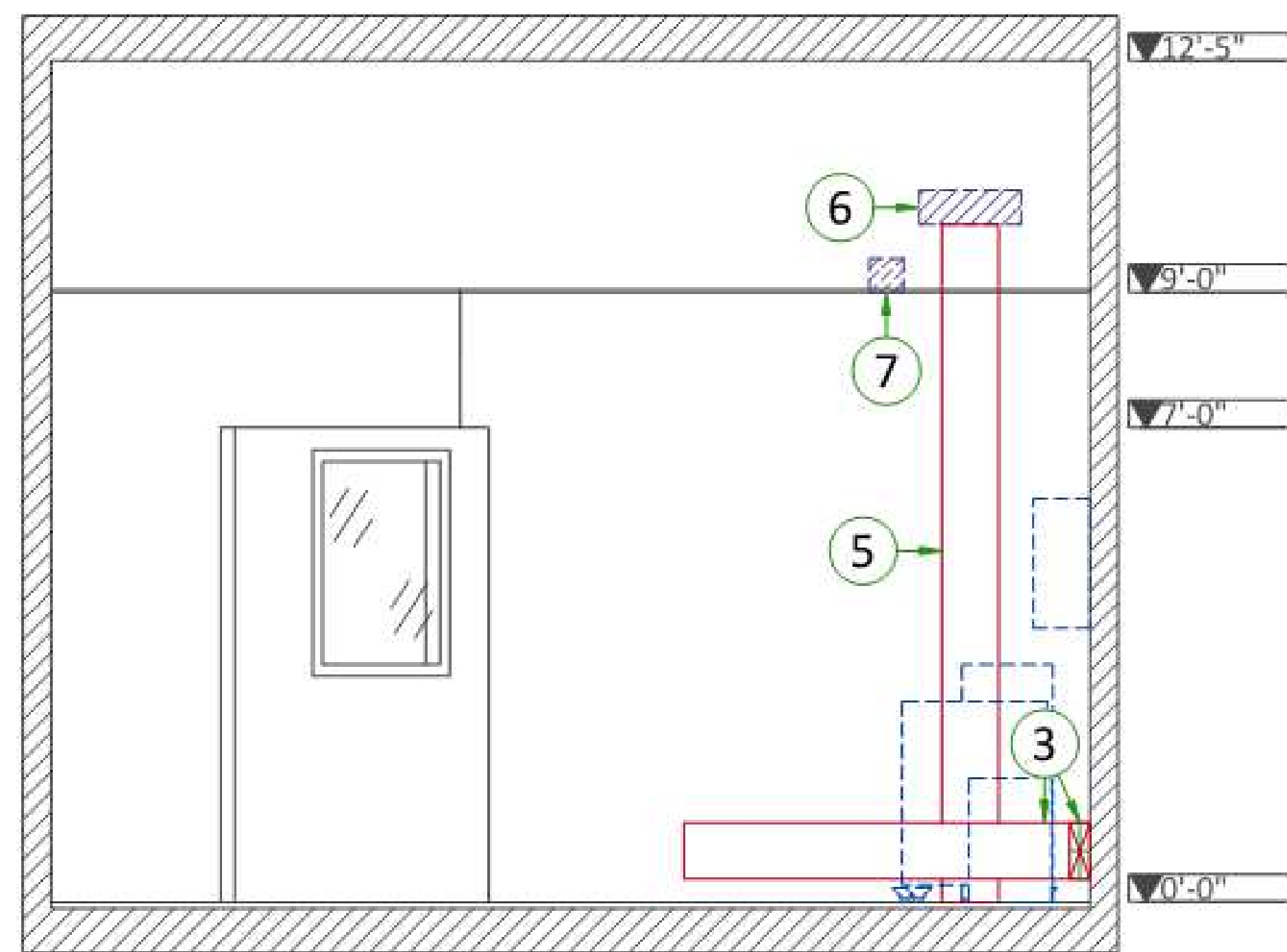
1/30/2023 6:12:34 PM



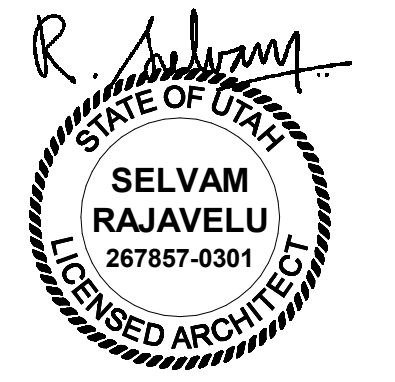
A



C

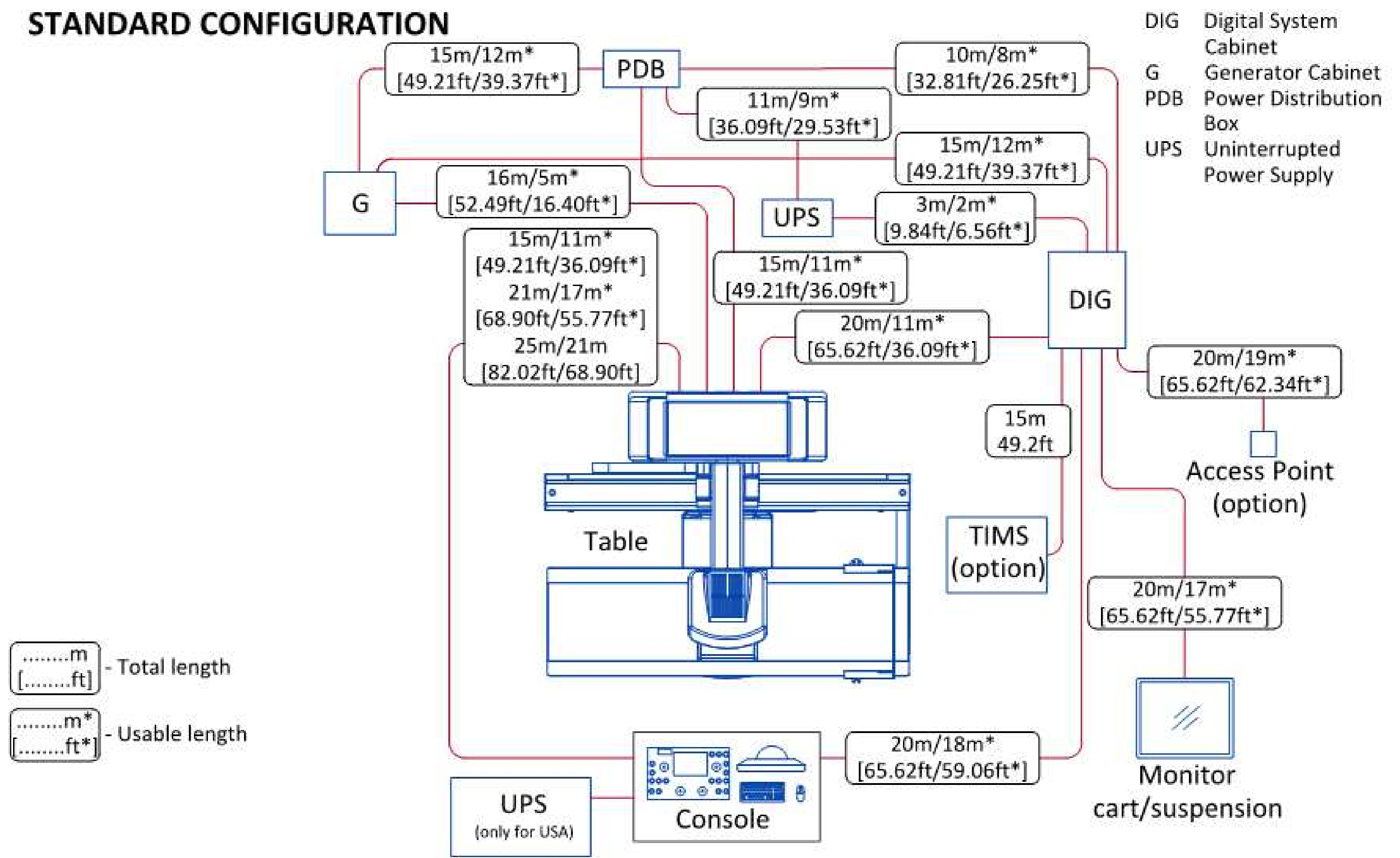


B



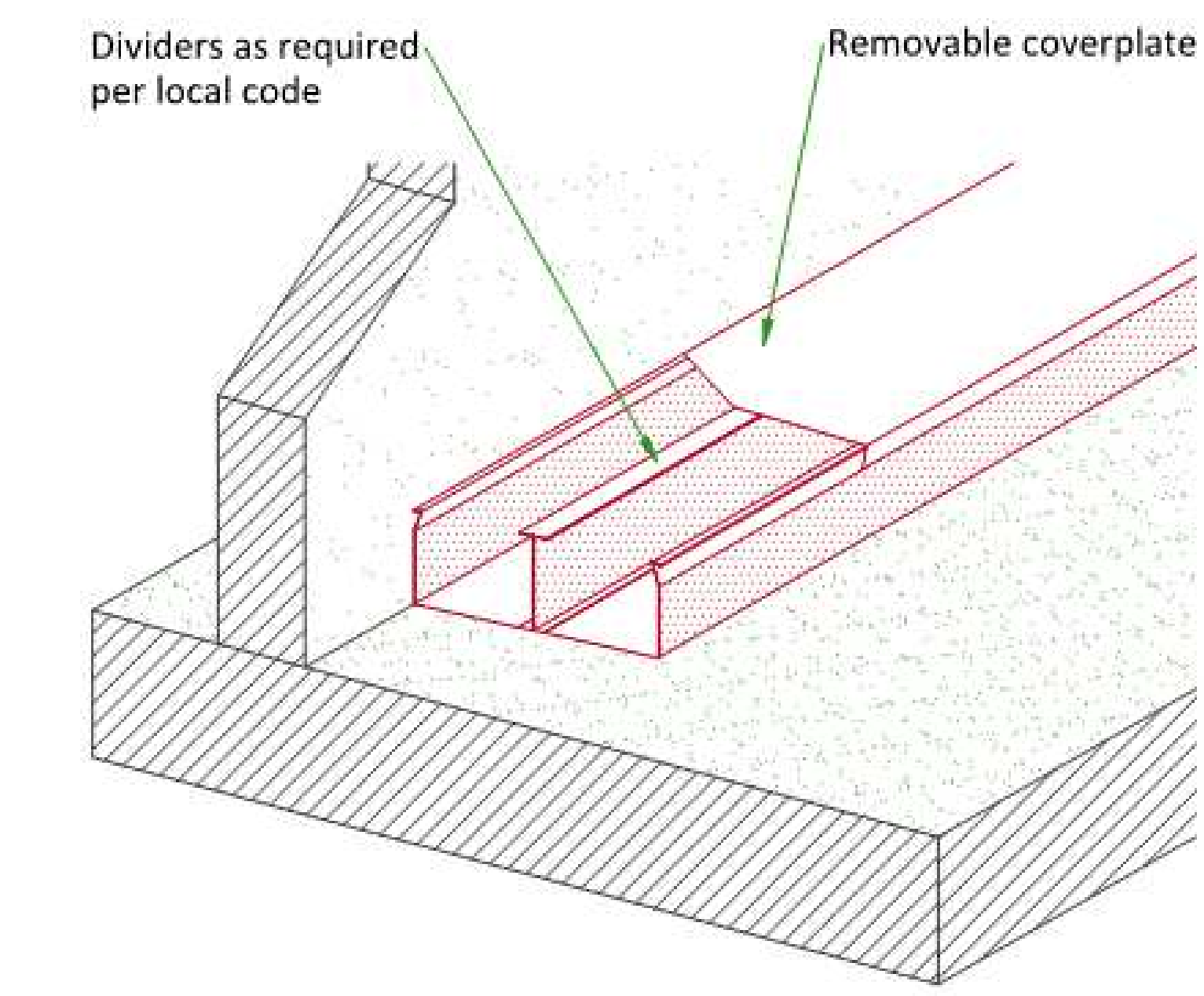
INTERCONNECTION

STANDARD CONFIGURATION

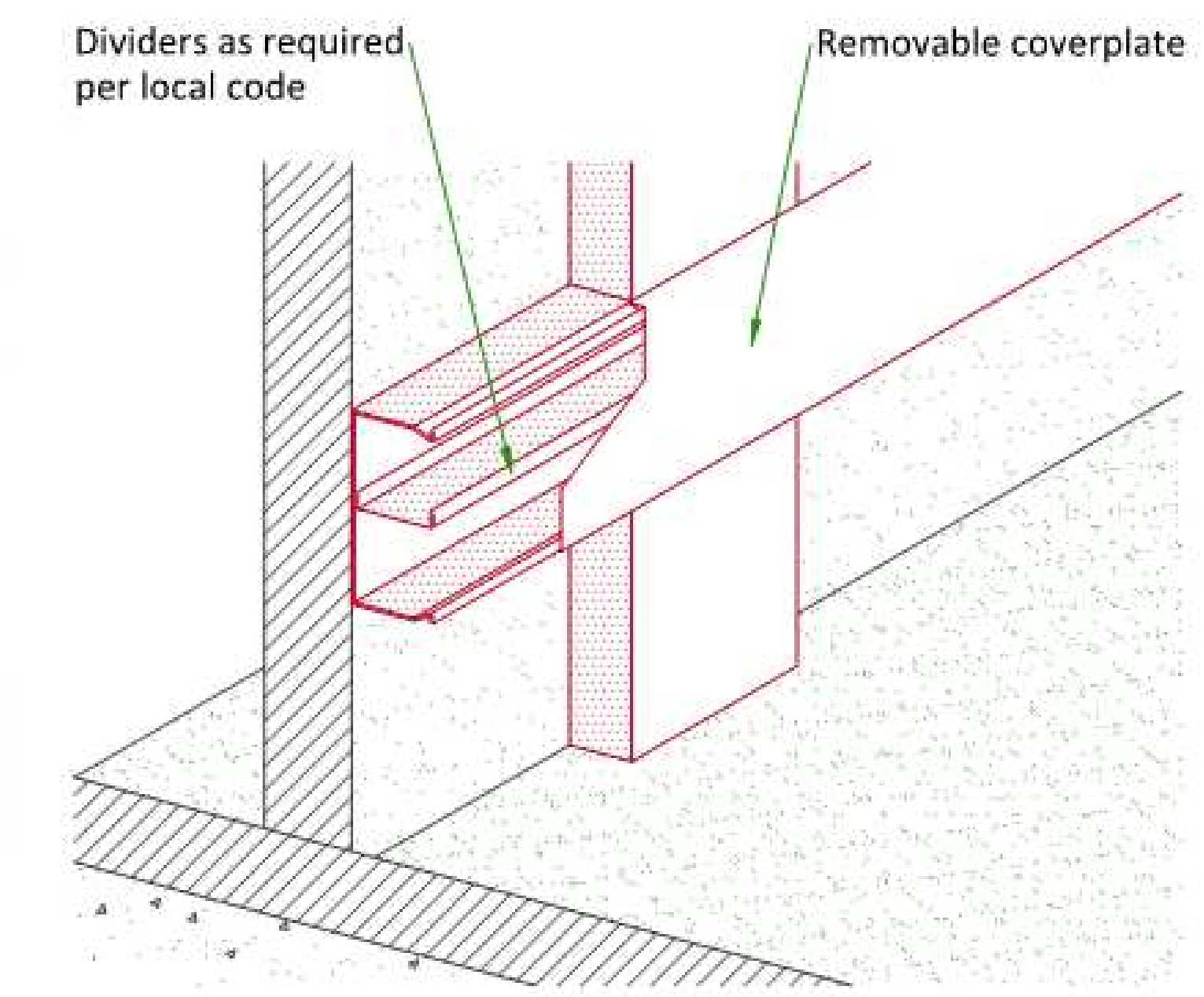


TYPICAL CABLE MANAGEMENT

DUCT ON THE FLOOR



WALL DUCT



NOT TO SCALE

Intermountain Healthcare
LDS Hospital
Fluoro Room 2 Remodel

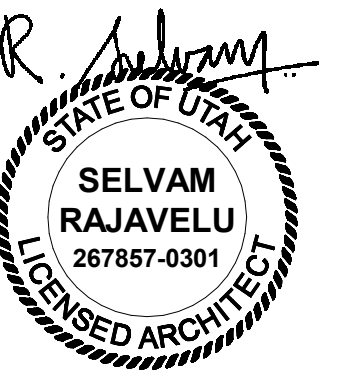
8th Ave., C Street
Salt Lake City, UT 84143

NJRA Project # 22246.00
Bid Set Jan 30, 2023

GE
Equipment
Drawing

Q115

1/30/2023 6:12:37 PM



POWER REQUIREMENTS

GENERATOR TYPE	65 kW	80 kW
POWER SUPPLY	3 PHASES+G 480V ±10%	
MAINS FREQUENCY	50/60 Hz ± 2%	
LINE INPUT REACTIVE POWER (PEAK)	95 kVA	119 kVA
LINE INPUT ACTIVE POWER	65 kW	80 kW

- Line supply should come into a power distribution box (PDB) containing the protective units and controls. The PDB does not require a neutral line.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
- There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the PDB.

SUPPLY CHARACTERISTICS

- Power input must be separated from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...)
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.

GROUND SYSTEM

- Equipotential: the equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE units are located.

CABLES

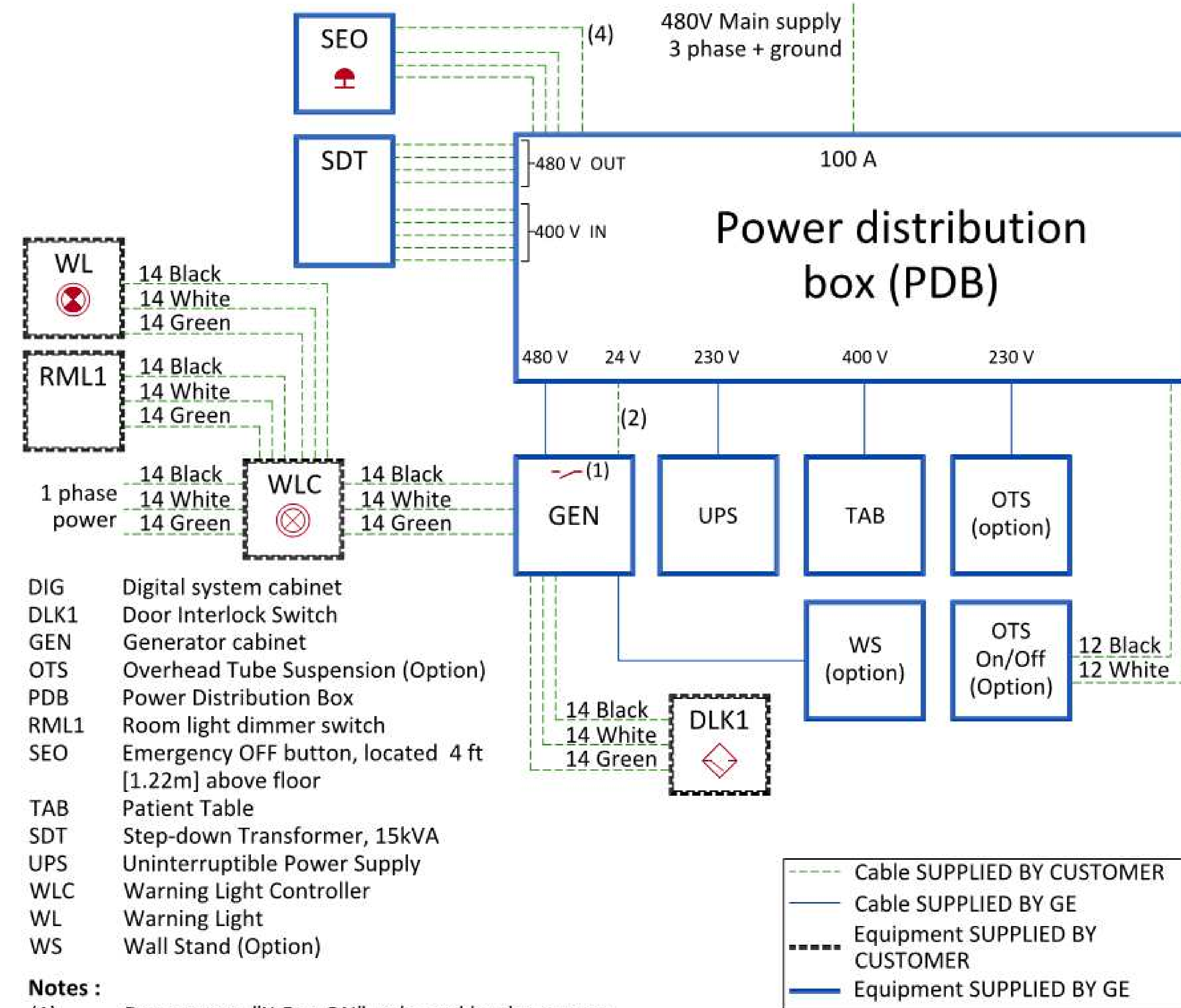
- Power and cable installation must comply with the distribution diagram below.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- Case PDB furnished by GE: The cables for signals and remote control (Y, SEO, L...) will go to PDB with a pigtail length of 1.5m, and will be connected during installation. Each conductor will be identified and isolated (screw connector).

CABLEWAYS

The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:

- Protecting cables against water (cableways should be waterproof)
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts)
- Protecting cables against temperature shocks
- Replacing cables (cableways should be large enough for cables to be replaced)
- Metal cableways should be grounded.

POWER DISTRIBUTION



- DIG Digital system cabinet
- DLK1 Door Interlock Switch
- GEN Generator cabinet
- OTS Overhead Tube Suspension (Option)
- PDB Power Distribution Box
- RML1 Room light dimmer switch
- SEO Emergency OFF button, located 4 ft [1.22m] above floor
- TAB Patient Table
- SDT Step-down Transformer, 15kVA
- UPS Uninterruptible Power Supply
- WLC Warning Light Controller
- WL Warning Light
- WS Wall Stand (Option)

Notes :

- Dry contact: "X-Ray ON", released by the system. Max. voltage = 30 V
- H07RN-F cable with 6.56 ft (2m) extra length on the floor behind the back of generator cabinet (only if required per local requirements)
- Max lug size 8 AWG
- Fourth wire only needed with UPS option for USA

FEEDER TABLE								
MINIMUM FEEDER WIRE SIZE IN mm ² AND (AWG)								
INPUT VOLTAGE	MINIMUM FEEDER WIRE LENGTH							
	15m (50')	30m (100')	46m (150')	61m (200')	77m (250')	92m (300')	107m (350')	122m (400')
480 VAC	*35 (3)	*35 (3)	*35 (3)	*35 (3)	35 (2)	50 (1)	70 (1/0)	70 (1/0)

* MINIMUM WIRE SIZE FOR CIRCUIT BREAKER, BASED ON RECOMMENDED OVERCURRENT PROTECTION

GENERAL NOTES

In all cases qualified personnel must verify that the feeder (at the point of take-off) and the run to the Radiology system meet all the requirements stated in the PIM.

For a single unit installation, the minimum transformer size is 112.5kva, synthesized power feed is not acceptable. Maximum allowable transient voltage excursions are 2.5% of rated line voltage at a maximum duration of 5 cycles and frequency of 10 times per hour.

Ground wire will be same size as power cable. Ground will run from the equipment back to the power source/main grounding point and always travel in the same conduit with the feeders and neutral. Neutral must be terminated inside the main disconnect panel and not at any GE cabinet.

1/30/2023 6:12:38 PM