

BUILDING SUMMARY

PROJECT INFORMATION
PROJECT NAME: IMED ED CT REMODEL
ADDRESS: 5121 SOUTH COTTONWOOD ST, MURRAY, UTAH
PROPOSED USE: EXISTING HOSPITAL RENOVATION
OWNER/CONTACT PERSON: WALT SHUMWAY, INTERMOUNTAIN HEALTHCARE, 801-324-2280
ARCHITECT/CONTACT PERSON: GARY BLAZZARD, HKS ARCHITECTS, 801-632-2280

APPLICABLE CODES
-BUILDING CODE: 2018 IBC
-MECHANICAL: 2018 IMC
-PLUMBING: 2018 IPC
-ELECTRICAL: 2017 NEC
-FIRE CODE: 2018 IFC
-STATE/CITY: UTAH STATE
-AMENDMENTS: UTAH STATE
-LIFE SAFETY CODE: NFPA 101, 2001 EDITION, CMS REQUIREMENT
-ACCESSIBILITY CODE: 2009 ICC/ANSI 117.1
-ENERGY CODE: 2018 INTERNATIONAL ENERGY CONSERVATION CODE
-SIGN CODE: MURRAY CITY
-FM INSURED: NO

BUILDING PLANNING
OCCUPANCY: I-2
MIXED OCCUPANCY? YES / NO
REQUIRED FIRE SEPARATION: NONE FOR THIS PROJECT
TYPE OF CONSTRUCTION
CONSTRUCTION TYPE: IA
ESSENTIAL FACILITY (CHAPTER 16, IBC)
ESSENTIAL FACILITY? YES / NO

GENERAL BUILDING LIMITATIONS
-HEIGHT OF BUILDING: EXISTING
-NUMBER OF STORIES: EXISTING
-MAXIMUM SINGLE FLOOR AREA: EXISTING 918 GSF REMODELED AREA
-TOTAL AREA OF BUILDING: EXISTING (NO FOOTAGE BEING ADDED)
-PENTHOUSE AND ROOF STRUCTURE: EXISTING
-HIGH RISE: YES / NO
-PARKING SPACES PROVIDED: NO ADDITIONAL REQUIRED
-PARKING SPACES REQUIRED: NO ADDITIONAL REQUIRED
-ACCESSIBLE PARKING SPACES PROVIDED: NO ADDITIONAL REQUIRED

FIRE PROTECTION SYSTEMS
-FIRE EXTINGUISHING SYSTEM: YES / NO TYPE: EXISTING
-STANDPIPE SYSTEM: YES / NO CLASS: EXISTING
-SMOKE CONTROL: YES / NO

FIRE RESISTANT CONSTRUCTION/FIREPROOFING SCHEDULE
ITEM LOAD BEARING RECD RATING / HR U/L/F/M # WHERE APPLICABLE
-EXTERIOR WALLS: EXISTING X
NON-LOAD BEARING EXISTING X
-FIRE/PARTY WALLS: EXISTING X
-SHAFTS: EXISTING X
-TENANT SEPARATION: EXISTING X
-INTERIOR WALL: LOAD BEARING EXISTING X
NON-LOAD BEARING EXISTING X
-COLUMNS: EXISTING X
-BEAMS: EXISTING X
-FLOOR/CEILING: EXISTING X
-ROOF/CEILING: EXISTING X

SPECIAL INSPECTIONS REQUIREMENTS
1. PROVIDE SPECIAL INSPECTIONS AS REQUIRED BY ICC 1705.3.4 FOR SUSPENDED CEILING SYSTEMS AND ANCHORAGES

INDEX OF DRAWINGS

DRAWING ABBREVIATIONS

Table of drawing abbreviations including: AB ANCHOR BOLT, AC ACROUSTICAL CEILING TILE, ADJ ADJACENT, AGGR AGGREGATE, AL ALUMINUM, ALT ALTERNATE, ANOD ANODIZED, APPROX APPROXIMATE, ARCH ARCHITECTURAL, BLM BENCH MARK, BO BOARD, BETW BETWEEN, BG BUMPER GUARD, BLG BLDG BLOCKING, BM BEAM, BOT BOTTOM, BR BUMPER RAIL, BRG BEARING, BSMT BASEMENT, BU BU ROOF, BUR BURL, BVP BUILT-UP ROOF BEARING WALL, C COMPACT PARKING SPACE, CDR CARD READER, CEM CEMENT, CER CERAMIC, CG CORNER GUARD, CIP CAST IN PLACE, CJ CONSTRUCTION JOINT, CL CENTER LINE, CLR CLEAR, CMU CONCRETE MASONRY UNIT, COL COLUMN, COMM COMMUNICATIONS, CONN CONNECTION, CONTR CONTRACTOR, CONT CONTINUOUS, COORP COORDINATE, CPE CHLORINATED, POLYETHYLENE, CORR CORRIDOR, CR CRASH RAIL, CSK COUNTERSINK, CT CERAMIC TILE, CTD CENTERED, DR DRAIN, DET DETAIL, DIA DIAMETER, DIAHR DIAPHRAGM, DIM DIMENSION, DJ DEFLECTION JOINT, DL DEAD LOAD, DN DOWN, DRG DRAWING, DS DOWN SPOUT, DWGS DRAWINGS, DWLS DOWELS, EA EACH FACE, EF EXTERIOR FINISH SYSTEM, EIFS EXTERIOR INSULATION AND FINISH SYSTEM, EJ EXPANSION JOINT, ELEC ELECTRIC, ELEV ELEVATION, EOS EDGE OF SLAB, EQ EQUAL, EQUIP EQUIPMENT, ESC ESCALATOR, EW EACH WAY, EWC ELECTRIC WATER COOLER, EXIST EXISTING, EXP EXPANSION BOLT, FXT EXTERIOR, FD FLOOR DRAIN, FDN FOUNDATION, FE FIRE EXTINGUISHER, FEFC FIRE EXTINGUISHER CABINET, FHC FINISH FLOOR, FHC FIRE HOSE CABINET, FB FIBERGLASS, FIN FINISH, FLR FLOOR, FS FAS SIDE, FTG FOOTING, FV FIELD VERIFY, FV FIRE VALVE CABINET, GA GAUGE, GALV GALVANIZED, GB GRADE BEAM, GEN GENERATOR, GFRC GLASS-FIBER REINFORCED CONCRETE, GI GLASS-FIBER REINFORCED IRON, GL GLASS, GM GLASS MASONRY UNIT, GND GROUND, GR GRADE, GRG GLASS-REINFORCED GYPSUM BOARD, HDW HARDWARE, HDWD HARDWOOD, HK HOOK, HM HOLLOW METAL, HOR HORIZONTAL, HP HIGH POINT, HR HOUR, HS HEADED STUD, HSKP HOUSEKEEPING, HT HEIGHT, HW HAND WASH, IBC INTERNATIONAL BUILDING CODE, ID INSIDE DIAMETER, INT INSULATION, INT INTERIOR, J, K, KIP KIPS (1000 LB), KO KNOCK-OUT, KP KICKPLATE, KPD KEYPAD, KSF KIPS PER SQUARE FOOT, L LAV, LG LOG, LK LOCKABLE, LLS LIVE LOAD, LLH LONG LEG HORIZONTAL, LLS LONG LEG VERTICAL, LOC LOCATION, LP LOW POINT, LW LIGHT, LWC LIGHTWEIGHT CONCRETE, MAS MASONRY, MATL MATERIAL, MAX MAXIMUM, MECH MECHANICAL, MEMB MEMBRANE, MEP MECHANICAL, ELECTRICAL AND PLUMBING, MFG MANUFACTURER, MGO MEDICAL GAS OUTLET, MIN MINIMUM, MISC MISCELLANEOUS, MOC MEDICAL OFFICE BUILDING, MOD MODIFIED, MOD BIT MODIFIED BITUMEN, MSL MEAN SEA LEVEL, METL METAL, NA NOT AVAILABLE, N/C NOT IN CONTRACT, NOA NOTICE OF ACCEPTANCE, N/A NOT AVAILABLE, N/A NOT AVAILABLE, BY BY, NS NOMINAL, NR NEAR SIDE, NTS NOT TO SCALE, NWC NORMAL WEIGHT, O, OA OVER ALL, OC CENTER, OD OUTSIDE DIAMETER, OD OVERFLOW DRAIN, OFI OWNER FURNISHED, OFI CONTRACTOR INSTALLED, OI OWNER INSTALLED, OH OPPOSITE HAND, OPNG OPPOSITE, OSF OUTSIDE FACE, P, P LAM PLASTIC LAMINATE, PC PRECAST CONCRETE, PCF POUNDS PER CUBIC FOOT, PCP PORTLAND CEMENT PLASTER, PENT PENTHOUSE, PL PROPERTY LINE, PL PLATE, PLB PLUMBING, PLWD PLYWOOD, PP PUSH PLATE, POL POLISHED, PORT PORTLAND CEMENT, PRE PREFAB, PRE PREFABRICATED, PSI POUNDS PER SQUARE INCH, PT POINT, PNT PAINTED, R, RISER, RAD RADIUS, RA RUBBERIZED ASPHALT, RAF FLASHING, RAM RUBBERIZED ASPHALT MEMBRANE, RAU RUBBERIZED ASPHALT UNDERLAYMENT, RCP REFLECTED CEILING PLAN, RD ROOF DRAIN, REBAR REINFORCING BAR, RECP RECEPTACLE, REF REFERENCE, REINF REINFORCING, RELC RELOCATED, REQ REQUIRED, RECD RECESSED FIRE VALVE CABINET, RM ROOM, ROU ROUGH OPENING, S, SAB SOUND ATTENUATION BLANKET, SAB STANDARD BUILDING SCHEDULE, SBC SCHEDULE, SCHE SCHEDULE, SDL SUPERIMPOSED DEAD LOAD, SECT SECTION, SH SINGLE HUNG, SHW SHOWER, SIM SIMILAR, SO STRUCTURAL OPENING, SOG SLAB ON GRADE, SPR STANDARD PIPE, SPA SPACE SPACING, SPC SPECIFICATION, SQ SQUARE, SS STAINLESS STEEL, SSF SOLID SURFACE, STA STATION, STD STANDARD TRANSMISSION CLASS, STR STANDARD, STRIP STRIPPER, STIF STIFFENER, STL STEEL, STRUC STRUCTURAL SYMMETRICAL SYSTEM, T, T TREAD, TAB TOP AND BOTTOM, TC TOP OF CURB, TEL TELEPHONE, TEMP TEMPERATURE, THK THICK, TLT TILT, TO TOP, TOB TOP OF BEAM, TOC TOP OF CONCRETE, TOF TOP OF FOOTING, TOP TOP OF PARAPET, TOS TOP OF SLAB, TOST TOP OF STEEL TRASH CHUTE, TW TOP OF WALL, TY TYPICAL, U, UC UNDER COUNTER, UG UNDERGROUND, UNO UNLESS NOTED, V, VAR VARIES, VCI VINYL COMPOSITION TILE, VERT VERTICAL, VEST VESTIBULE, VWC VINYL WALL COVERING, W, WI WITH, WIC WHEEL CHAIR, WIO WITHOUT, W WIDTH, WP WATERPROOF(ING), WD WOOD, WF WIDE FLANGE, WL WIND LOAD, WP WORK POINT, WPO WORK POINT - POINT OF ORIGIN, WP1 WORK POINT - NUMBERED, WWP WELDED WIRE FABRIC

LEGEND

Table with columns: MATERIALS, DRAWING SYMBOLS. Lists materials like concrete, soil, brick, CMU, stone, fiberglass batt insulation, fiberglass semi rigid insulation, mineral wool semi rigid insulation, expanded polystyrene rigid insulation, extruded polystyrene rigid insulation, polystyrene urethane rigid insulation, and their corresponding drawing symbols.

Table with columns: ROOM NAME, ROOM NAME/NUMBER, and corresponding drawing symbols for room identification.

PLOT DATE: 7/9/2021 2:14:12 PM - TEMPLATE VERSION: 3.0.0.20170623

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Project Manager	BEN HICKMAN
Project Designer	ANNETTE HIMELICK
Project Architect	BEN HICKMAN
Landscape Architect	N/A
Civil Engineer	N/A
Structural Engineer	REAVELEY
Mechanical Engineer	VSFA
Electrical Engineer	SPECTRUM
Interior Designer	RUBY THORP
Equipment Planner	INTERMOUNTAIN HEALTHCARE
Wayfinding	N/A
Drawn By	Author

MARK	DATE	DESCRIPTION
2	11/16/18	AHU Review Revisions

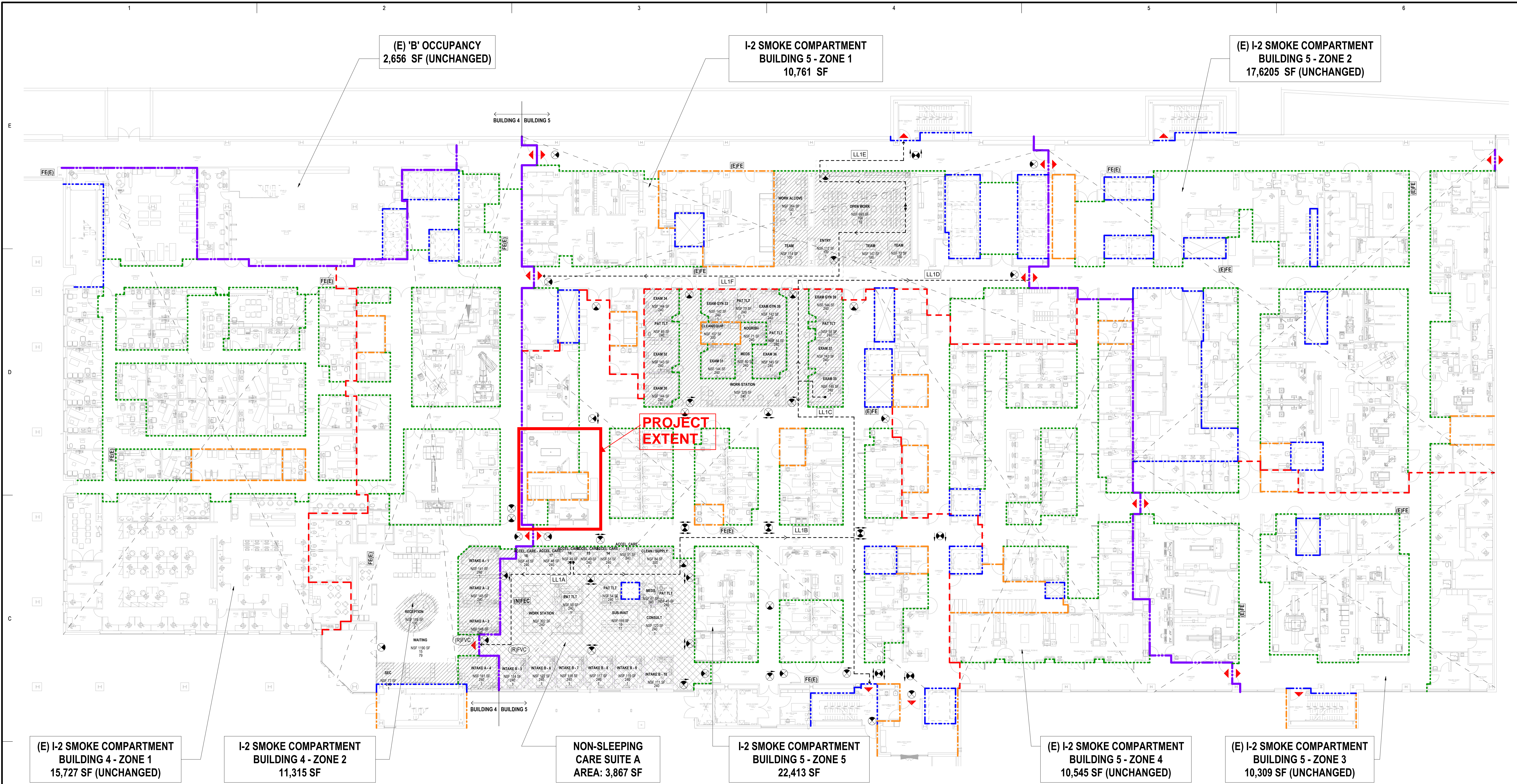
Project Number	10102114
Note Issue	09/25/2018

NOTE: THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. HDR IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE RECORD DRAWINGS

Sheet Name
**LOWER LEVEL 1
PATIENT TOWER LIFE
SAFETY PLAN**

Sheet Number
G11.LL1.1

Project Status
RECORD DRAWINGS - 07/17/2020

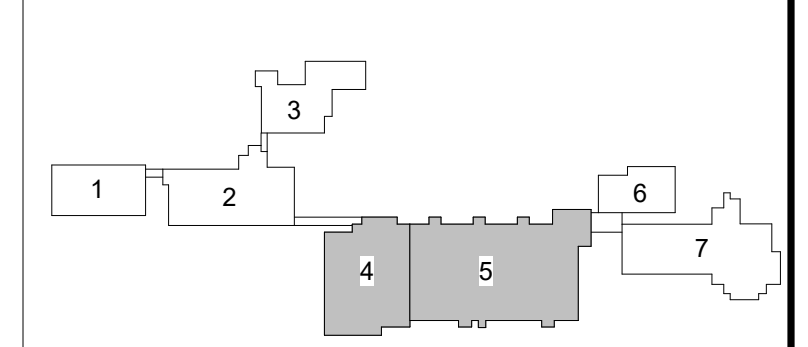


NOTE:
THIS DRAWING IS PROVIDED BY THE OWNER FOR LIFE SAFETY ITEMS REFERENCE, IN RELATION TO THIS PROJECT
NOTHING IS ALTERED IN RELATION TO THIS PLAN, BY THIS PROJECT

B1 LOWER LEVEL 1 - PATIENT TOWER - LIFE SAFETY PLAN
1/16" = 1'-0"

BUILDING CRITERIA	OCCUPANCY & EGRESS	AREA SUMMARY	LEGEND																																										
EXISTING PATIENT TOWER & HEART AND LUNG (BUILDINGS 4 AND 5) LOWER LEVEL 1 EXISTING OCCUPANCY TYPE: I-2 & B (UNCHANGED) EXISTING CONSTRUCTION TYPE: 1-A FULLY SPRINKLERED: YES HIGHRISE: YES FIREPROOFING: YES STRUCTURE: BRBF FIRE RESISTANCE RATING REQUIREMENTS (2015 IBC TABLE 601) EXISTING STRUCTURAL FRAME: 3 HOUR EXISTING EXTERIOR BEARING WALLS: 3 HOUR EXISTING INTERIOR BEARING WALLS: 3 HOUR EXISTING NONBEARING WALLS: 0 HOUR EXISTING FLOOR CONSTRUCTION (INCLUDING SUPPORT BEAMS AND JOISTS): 2 HOUR	ALLOWABLE TRAVEL DISTANCES - FULLY SPRINKLERED (2015 IBC TABLE 1017.2, 1008.2.1) 1/2 EXIT ACCESS TRAVEL DISTANCE: 200'-0" COMMON PATH OF EGRESS TRAVEL: 75'-0" DEAD-END: 20'-0" 3/4 EXIT ACCESS TRAVEL DISTANCE: 300'-0" COMMON PATH OF EGRESS TRAVEL: 100'-0" DEAD-END: 50'-0" EGRESS PATH ID DISTANCE LL1A 66'-5" LL1B 185'-2" LL1C 137'-0" LL1D 142'-5" LL1E 87'-9" LL1F 156'-4" OCCUPANCY OCCUPANT LOAD: NET REDUCTION FROM EXISTING OCCUPANT LOAD BUSINESS - 100 SF / OCCUPANT STORAGE - 300 SF / OCCUPANT ASSEMBLY / WAITING - 15 SF / OCCUPANT INPATIENT TREATMENT - 240 SF / OCCUPANT EGRESS REQUIREMENTS (2015 IBC - 1020.2) 1/2 WHERE REQUIRED FOR BED MOVEMENT MINIMUM WIDTH: 44"	TOTAL EXISTING FLOOR AREA BUILDING 5 - UNCHANGED TOTAL EXISTING FLOOR AREA BUILDING 4 - UNCHANGED APPROXIMATE AREA IN SCOPE OF RENOVATION: 10,290 SF SMOKE COMPARTMENTS MAXIMUM AREA - 22,300 SF (2015 IBC - 407.5, 2015 NFPA 101 - 19.3.7.1) PATIENT TOWER (BUILDING 5) - LOWER LEVEL 1 <table border="1"> <thead> <tr> <th>SMOKE COMPARTMENTS (I-2)</th> <th>EXISTING</th> <th>NEW</th> </tr> </thead> <tbody> <tr> <td>ZONE 1 (UNCHANGED)</td> <td>13,136 SF</td> <td>10,761 SF</td> </tr> <tr> <td>ZONE 2 (UNCHANGED)</td> <td>17,605 SF</td> <td>17,605 SF</td> </tr> <tr> <td>ZONE 3 (UNCHANGED)</td> <td>10,309 SF</td> <td>10,309 SF</td> </tr> <tr> <td>ZONE 4 (UNCHANGED)</td> <td>10,545 SF</td> <td>10,545 SF</td> </tr> <tr> <td>ZONE 5</td> <td>19,187 SF</td> <td>22,413 SF</td> </tr> </tbody> </table> HEART & LUNG (BUILDING 4) - LOWER LEVEL 1 <table border="1"> <thead> <tr> <th>SMOKE COMPARTMENTS (I-2)</th> <th>EXISTING</th> <th>NEW</th> </tr> </thead> <tbody> <tr> <td>ZONE 1 (UNCHANGED)</td> <td>15,727 SF</td> <td>15,727 SF</td> </tr> <tr> <td>ZONE 2</td> <td>12,167 SF</td> <td>11,315 SF</td> </tr> </tbody> </table> BUSINESS (B) (UNCHANGED) 2,656 SF / 2,656 SF CARE SUITES NON-SLEEPING CARE SUITE MAXIMUM AREA - 12,500 SF (2015 IBC - 407.4.4.6, 2015 NFPA 101 - 19.2.5.7.3.2) <table border="1"> <thead> <tr> <th>NON-SLEEPING CARE SUITE A</th> <th>REQUIRED</th> <th>PROVIDED</th> </tr> </thead> <tbody> <tr> <td>AREA</td> <td>12,500 SF MAX</td> <td>3,867 SF</td> </tr> <tr> <td>EXITS</td> <td>2</td> <td>3</td> </tr> <tr> <td>DISTANCE TO EXIT ACCESS</td> <td>100'-0" MAX</td> <td>86'-6"</td> </tr> <tr> <td>DISTANCE TO EXIT</td> <td>200'-0" MAX</td> <td>66'-6"</td> </tr> </tbody> </table>	SMOKE COMPARTMENTS (I-2)	EXISTING	NEW	ZONE 1 (UNCHANGED)	13,136 SF	10,761 SF	ZONE 2 (UNCHANGED)	17,605 SF	17,605 SF	ZONE 3 (UNCHANGED)	10,309 SF	10,309 SF	ZONE 4 (UNCHANGED)	10,545 SF	10,545 SF	ZONE 5	19,187 SF	22,413 SF	SMOKE COMPARTMENTS (I-2)	EXISTING	NEW	ZONE 1 (UNCHANGED)	15,727 SF	15,727 SF	ZONE 2	12,167 SF	11,315 SF	NON-SLEEPING CARE SUITE A	REQUIRED	PROVIDED	AREA	12,500 SF MAX	3,867 SF	EXITS	2	3	DISTANCE TO EXIT ACCESS	100'-0" MAX	86'-6"	DISTANCE TO EXIT	200'-0" MAX	66'-6"	--- NON-RATED SMOKE PARTITION W/ SMOKE PROTECTED CONSTRUCTION AND OPENINGS - - - SMOKE BARRIER 1HR WITH 20 MIN OPENING PROTECTIVES - - - 14HR RATED FIRE BARRIER WITH 45 MIN OPENING PROTECTIVES - - - 2HR RATED FIRE BARRIER WITH 90 MIN OPENING PROTECTIVES - - - 2HR RATED HORIZONTAL EXIT WITH 90 MIN OPENING PROTECTIVES [] CARE SUITE - - - XX - - - EGRESS PATH & ID [] EXIT SIGN ALONG EGRESS PATH FROM SCOPE OF RENOVATION (E)FE EXISTING FIRE EXTINGUISHER LOCATION TO REMAIN (NFEC) NEW FIRE EXTINGUISHER CABINET LOCATION (RFEC) NEW LOCATION OF SALVAGED FIRE EXTINGUISHER CABINET (RFVC) NEW LOCATION OF SALVAGED FIRE VALVE CABINET [] SCOPE OF RENOVATION
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KEY PLAN



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
24531.000

DATE
7/9/2021

ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
FLOOR PLAN / DEMOLITION PLAN / DOOR INFO

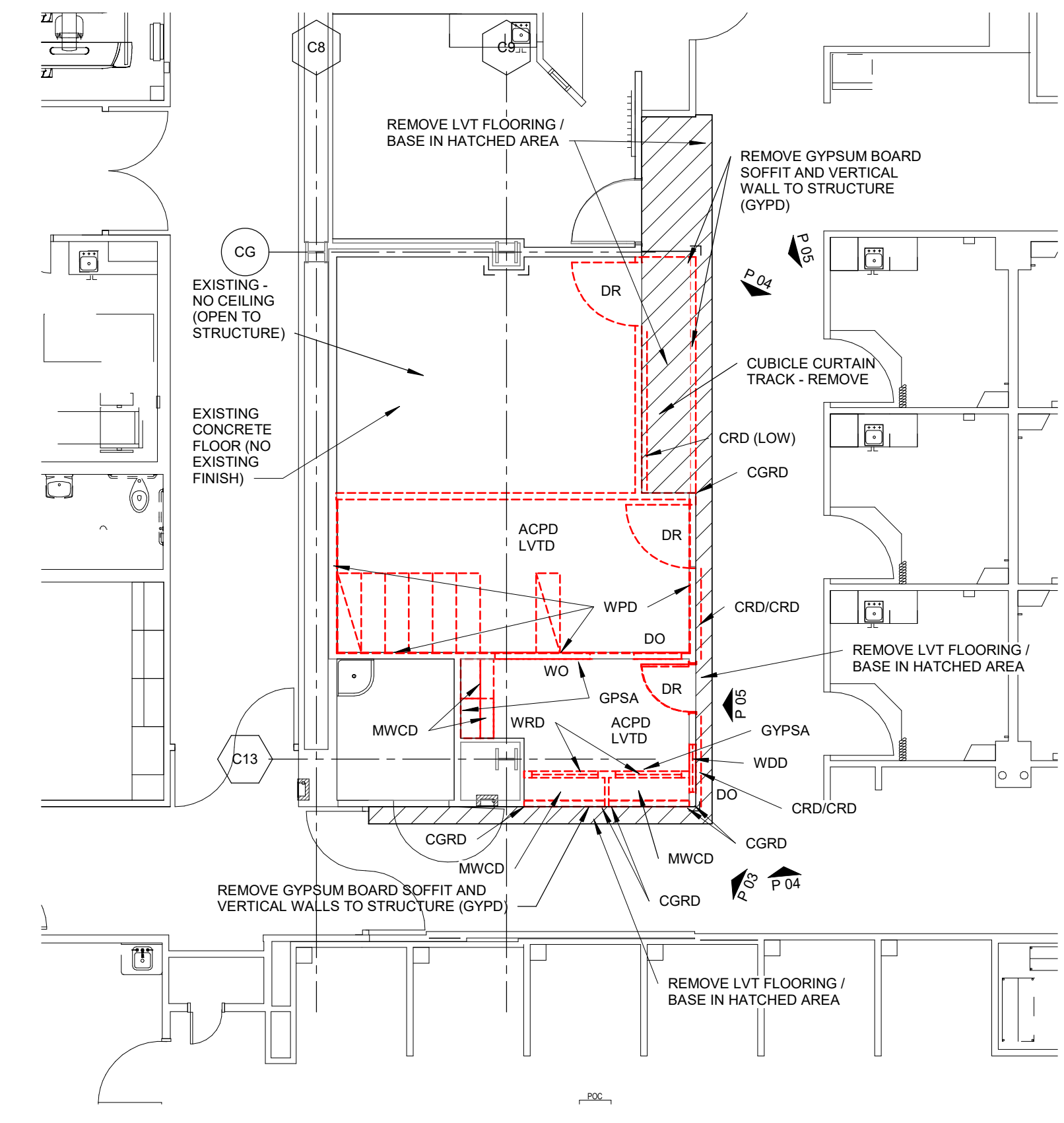
SHEET NO.
A2.01

FLOOR PLAN GENERAL NOTES

- NEW WALLS ARE AS NOTED / SYMBOLIZED. SEE SHEET A3.00 FOR PARTITION INFORMATION.
- DIENOTES THERE ARE INTERIOR ELEVATIONS FOR THIS AREA, WHICH ARE LOCATED ON SHEETS A3.50.
- PW LOCATIONS INDICATE AREAS OR WALLS WHERE REPAIR IS REQUIRED FOR REMOVED ITEMS, WALLS OR CABINETS. NOT ALL LOCATIONS ARE SHOWN. COORDINATE WITH DEMOLITION AND UTILITY DRAWINGS. SEE FINISH PLAN FOR FLOORING / BASE AND ADDITIONAL REMODEL WORK. PATCHING INCLUDES AREAS OF GYPSUM BOARD DISTURBED / DAMAGED BY REMOVAL OF WALL BASE. PROVIDE NEW GYPSUM BOARD WHERE REMOVED FOR DEVICE (MEP).
- ESW6 INDICATES EXISTING 6" STUD WALL FRAMING TO REMAIN. WALL FRAMING IS FULL HEIGHT UNLESS NOTED OTHERWISE BY #W-#W. ESW3 INDICATES EXISTING 3-5/8" STUD WALL FRAMING TO REMAIN. WALL FRAMING IS FULL HEIGHT UNLESS NOTED OTHERWISE BY #W-#W.
- NGE INDICATES WALL LOCATION WHERE NEW LEAD SHIELDED GYPSUM BOARD SHALL BE PROVIDED WHERE EXISTING GYP BD WAS REMOVED TO ALLOW FOR THE NEW SHIELDED TYPE GYPSUM BOARD.
- PATCH WALLS DISTURBED BY REMOVAL OF RUBBER BASE.
- DOOR INDICATES LOCATION WHERE THE DOOR AND FRAME OR WINDOW WERE REMOVED AND WALL SHALL BE FILLED WITH NEW WALL CONSTRUCTION. MATCH WALL FRAMING THICKNESS AND FINISH.

ICRA:

THE CONTRACTOR SHALL WORK WITH THE FACILITY TO PROVIDE APPROPRIATE ICRA BARRIERS AND ENCLOSURES. PROVIDE DUST PARTITIONS (FROM FLOOR TO CEILING) WITH MAIN ACCESS DOORS (LOCKABLE) AS REQUIRED TO ACCESS THE CONSTRUCTION AREA. PARTITIONS SHALL BE THE FIRE RATED POLYCARBONATE PANEL TYPE, FAMILAR TO THE FACILITY STAFF. (EDGE GUARD OR EQUAL). PARTITIONS SHALL ALIGN WITH THE CEILING GRID AS MUCH AS POSSIBLE. FOR AN APPROPRIATE PARTITION SEAL. PROVIDE APPROPRIATE DUST CONTROL MATS EACH SIDE OF THE ACCESS OPENING. PROVIDE ANTE ROOMS WHERE APPROPRIATE. COORDINATE WITH THE FACILITY ICRA WORK PERMIT FORM - SEE SPECIFICATION SECTION 00 3100 AVAILABLE PROJECT INFORMATION, FOR ICRA REQUIREMENTS AND FORM.



DEMOLITION LEGEND

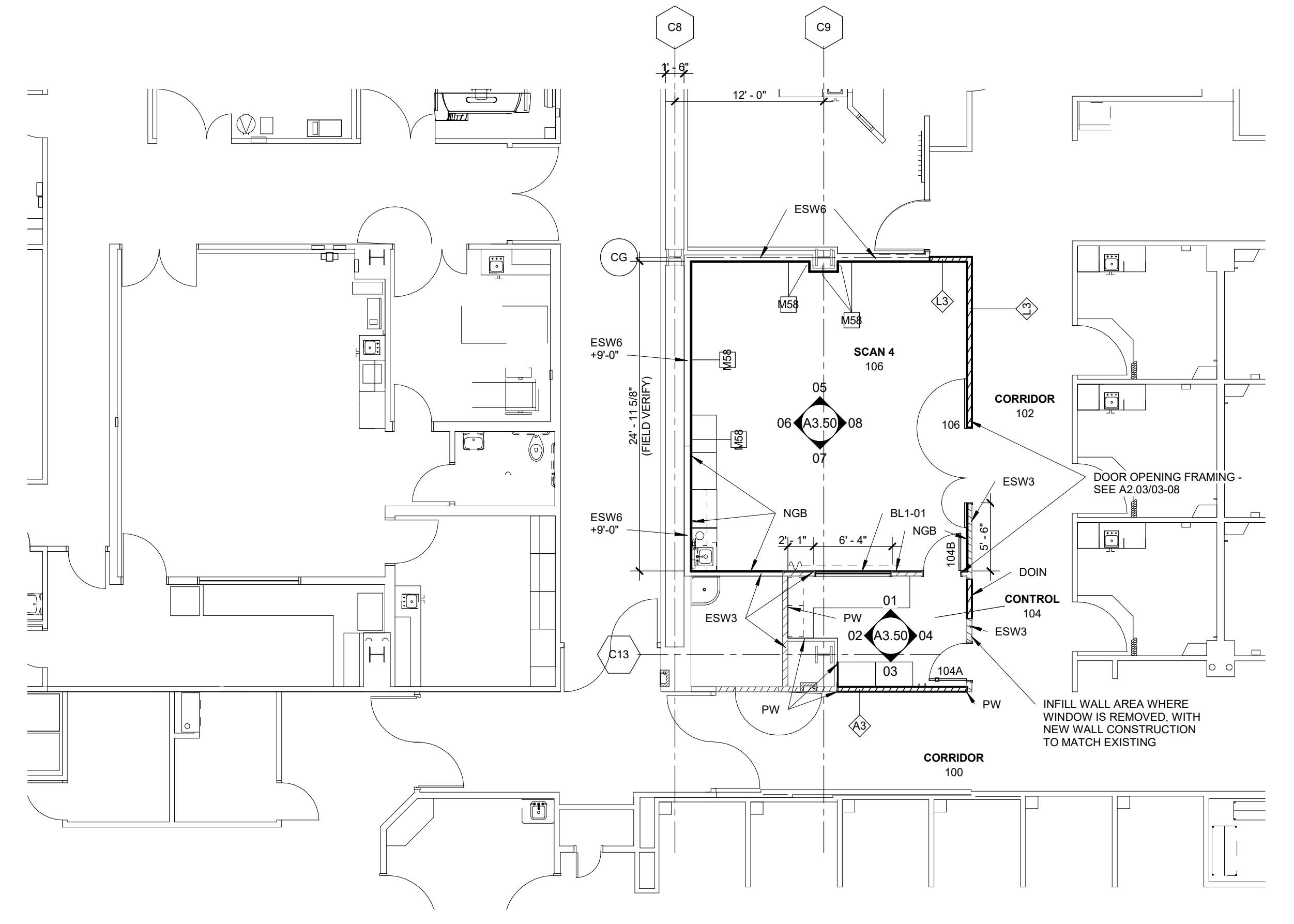
- (Dashed line) INDICATES WALLS TO BE REMOVED (WALLS EXTEND TO ABOVE CEILING TYP)
- (Dashed line with dot) MILLWORK, DOORS, ETC. TO BE REMOVED. TYP SEE DEMOLITION NOTES FOR SPECIFIC INFORMATION CONCERNING ITEMS INDICATED.
- (Dashed line with arrow) DOOR AND/OR FRAME TO BE REMOVED. SEE DEMOLITION NOTES FOR SPECIFIC INFORMATION ABOUT OPENINGS.

DEMOLITION NOTES

- PH INDICATES PHOTOGRAPH ON THIS SHEET ILLUSTRATING THE EXISTING CONDITIONS, WITH NOTES.
- REMOVE GYPSUM BOARD ON EXISTING WALL FRAMING AS NECESSARY FOR REMOVAL OF DEVICES NOTED IN MEP DEMOLITION DRAWINGS, AND AS NECESSARY FOR NEW DEVICE INSTALLATION.

DEMOLITION KEYED NOTES

- ACPD - ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CYCE - HORIZONTAL FRAMED GYP BD CEILING SYSTEM TO BE REMOVED
- GYPSA - GYPSUM BOARD REMOVAL ON WALLS IN THIS ROOM AS NECESSARY FOR UTILITY WORK IN WALL CAVITY. COORDINATE EXTENT WITH UTILITY DRAWINGS (NOT ALL LOCATIONS ARE NOTED)
- LVT2 - LVT FLOORING WITH RUBBER BASE TO BE REMOVED. COORDINATE EXTENT AT EXISTING ROOMS WITH FINISH PLAN.
- VCGRD - VINYL CORNER GUARD AND RETAINERS TO BE REMOVED. SALVAGE FOR RE-INSTALLATION.
- DO - NEW DOOR OPENING LOCATION. COORDINATE WITH REMODEL DRAWINGS.
- DF - DOOR & FRAME TO BE REMOVED. SALVAGE DOOR AND HARDWARE TO THE OWNER.
- MWCD - MILLWORK CABINETS AND / OR COUNTERTOP TO BE REMOVED.
- WPD - 48" HIGH WALL PROTECTION MATERIAL TO BE REMOVED. REMOVE GYP BD BACK TO STUD FRAMING. GYPSUM BOARD SHALL ALSO BE REMOVED. ABOVE WALL PROTECTION, TO APPROXIMATELY 7'-0" FOR INSTALLATION OF LEAD SHIELDED GYPSUM BOARD. COORDINATE WITH SHIELDING PLAN AND PHYSICIST REPORT.
- CRDCRD - CRASH RAILS (1' LOW / 1' HIGH) TO BE REMOVED AS NECESSARY FOR NEW CORRIDOR AREA WORK. SALVAGE PIECES FOR REUSE.
- WDD - REMOVE PARTIAL HEIGHT WINDOW.

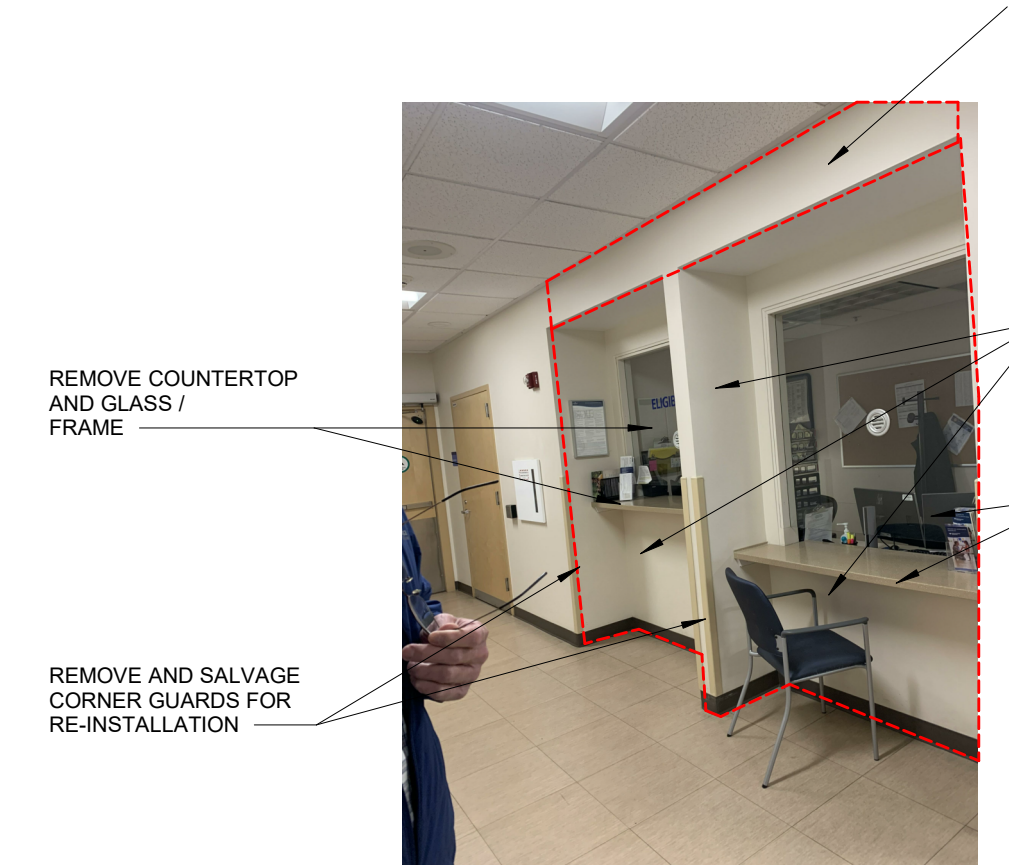


01 LEVEL 1 REMODEL PLAN

1/8" = 1'-0"
PROJECT NORTH

02 LEVEL 1 DEMOLITION PLAN

1/8" = 1'-0"
PROJECT NORTH



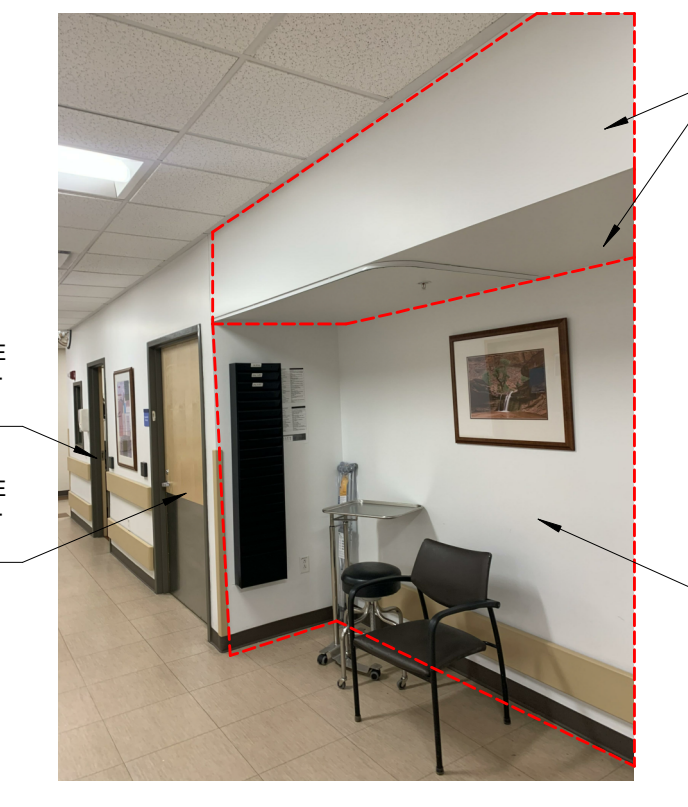
03 DEMO PICT 1
1/4" = 1'-0"



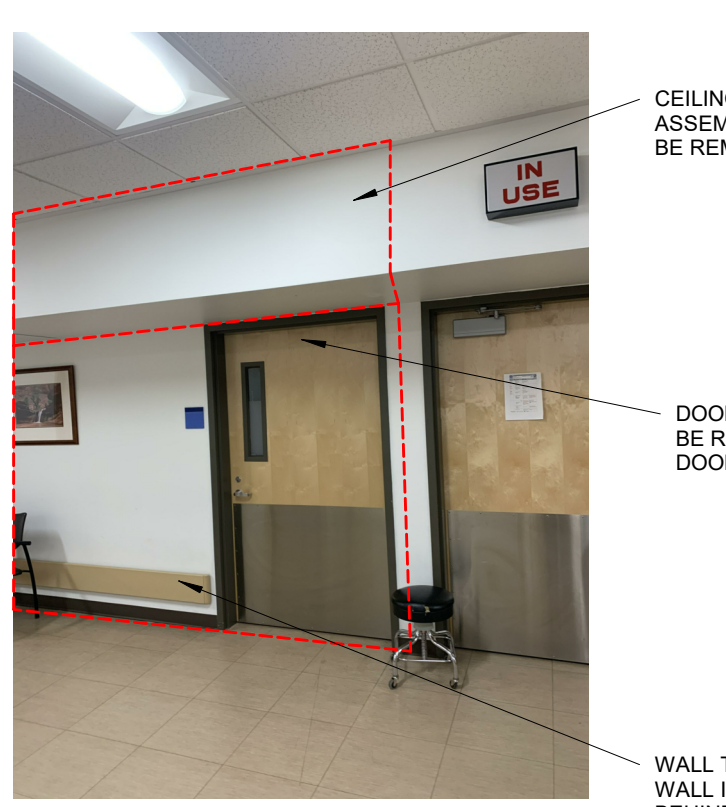
04 DEMO PICT 2
1/4" = 1'-0"



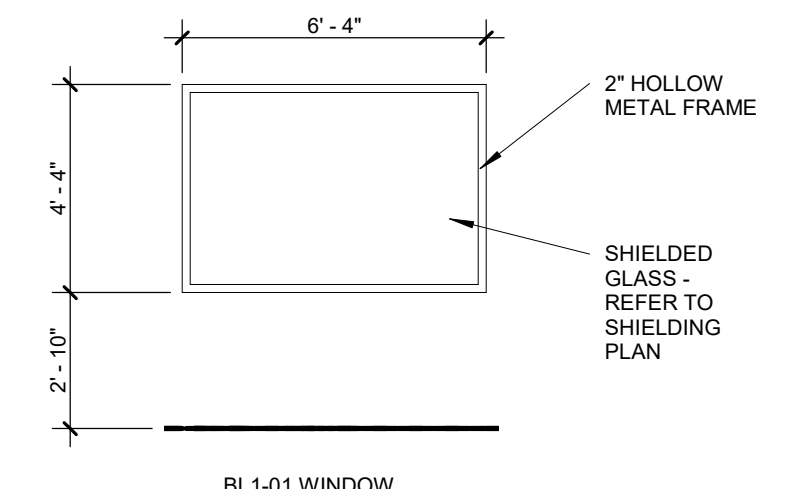
05 DEMO PICT 3
1/4" = 1'-0"



06 DEMO PICT 4
1/4" = 1'-0"



07 DEMO PICT 5
1/4" = 1'-0"



DOOR LEGEND

DOOR HARDWARE:
DESIGN INTENT:
INTENT IS TO MATCH EXISTING SARGENT HARDWARE IN FACILITY (FIELD VERIFY)

GROUP 01:

- 1- CONTINUOUS HINGE
- 1- STOREROOM LOCKSET
- 1- CYLINDER
- 1- CLOSER
- 1- OVERHEAD STOP
- 1- ELECTRIC STRIKE
- 1- CARD READER (BY OTHERS)
- 1- POWER SUPPLY
- 1- KICKPLATE
- 1- SMOKE SEALS

GROUP 02:

- 1- CONTINUOUS HINGE
- 1- PASSAGE LOCKSET
- 1- WALL STOP
- 1- KICKPLATE

GROUP 03:

- 2- CONTINUOUS HINGE - 180 DEGREE
- 1- PASSAGE LOCKSET
- 1- AUTOMATIC FLUSHBOLT
- 2- CLOSER / HOLDERS
- 2- WALL STOPS
- 2- ARMOR PLATES
- 1- SHIELDED ASTRAGAL
- 1- SMOKE SEALS

DOOR NOTES:

- CONTRACTORS TO USE THE ARCHITECT'S FLOOR PLAN DESIGNATION DOOR NUMBER IN ADDITION TO THE ROOM NUMBER ON ALL SHOP DRAWING SCHEDULE SUBMITTALS.

VISION PANELS:

SHIELDED WINDOW - SEE SHIELDING PLAN

APPLIED STOP AT GLAZING

APPLIED STOP AT GLAZING

DOOR TYPES:

1: RATED OR NON-RATED, 100 SQ IN MAX

A1: FLUSH SINGLE

DOOR AND BORROWED LITE FRAME TYPES:

1: TYPICAL - HOLLOW METAL

5: BORROWED LITE

DOOR PLAN DESIGNATION:

101X: POWER OPERATOR, VISION PANEL OR LOUVER ACCESSORY

SUFFIX FOR MULTIPLE DOORS AT A ROOM

DOOR NUMBER SAME AS ROOM NUMBER

6" PREFERRED 4" MIN OPENING

1'-0" (PUSH SIDE) MIN CLEAR

1'-0" (PUSH SIDE) MIN CLEAR

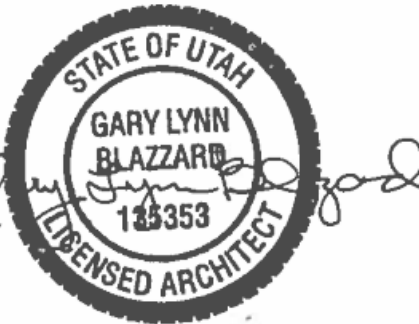
CLOSER AND LATCH

DOOR OPENING LOCATION:

A. DOORS SHOWN ADJACENT TO A FLANKING WALL OR OTHER FIXED OBSTRUCTION, SHALL BE LOCATED AS SHOWN ABOVE.

B. OTHER LOCATIONS SHALL BE ON CENTERLINE OF ROOM OR AS SPECIFICALLY DIMENSIONED.

DOOR NUMBER	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	MATERIALS AND FINISHES		DOOR DETAILS			GLAZING TYPE	VISION PANEL & LOUVER TYPE	HARDWARE	COMMENTS
					DOOR MATERIAL	FRAME MATERIAL	DOOR RATING	HEAD	JAMB				
100A	3'-0"	7'-0"	A1	1	WOOD	HOLLOW METAL	-	A2 03/08	A2 03/07	-	-	01	SHIELDED DOOR / FRAME
104B	3'-0"	7'-0"	A1	1	WOOD	HOLLOW METAL	-	A2 03/08	A2 03/07	-	-	02	SHIELDED DOOR / FRAME
106	6'-0"	7'-0"	A3	1	WOOD	HOLLOW METAL	-	A2 03/08	A2 03/07	-	-	03	SHIELDED DOOR / FRAME



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
24531.000
DATE
7/9/2021
ISSUE
CONSTRUCTION DOCUMENTS
SHEET TITLE
REFLECTED CEILING PLAN / SHIELDING PLAN
SHEET NO.

CEILING SYMBOLS

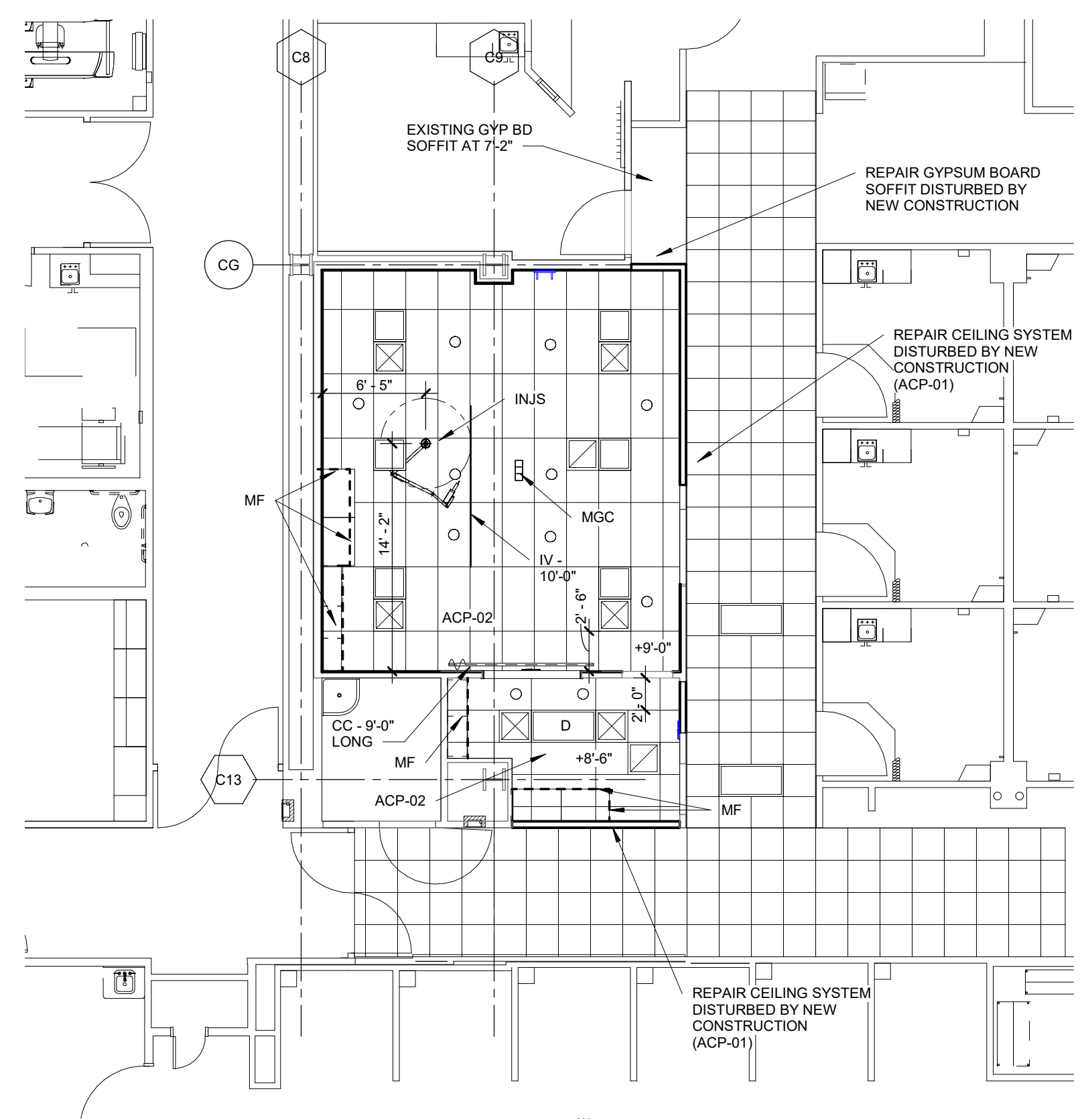
	ACOUSTICAL PANEL CEILING SYSTEM		EXIT SIGNS - HATCH INDICATES EXIT TEXT AND ARROW INDICATES DIRECTION
	GYP BD CEILING SYSTEM		SPEAKER
	SUPPLY AIR		WALL WASHER
	RETURN AIR		WALL MOUNTED LIGHT FIXTURE
	EXHAUST AIR		DOWNLIGHT
	ACCESS PANEL		CEILING LIGHT
			SUSPENDED LIGHT

GENERAL NOTES - REFLECTED CEILING PLAN

- CEILING ARE AT HEIGHT NOTED, *# ABOVE FLOOR LEVEL
- LIGHTS, DIFFUSERS, EXIT SIGNS, STROBES, AND MISCELLANEOUS OTHER DEVICES SHALL BE CENTERED IN THE CEILING TILE IN WHICH THEY OCCUR, UNLESS NOTED OTHERWISE
- REFER TO THE L1/2 IMPACT PLAN ON SHEET A2.04 FOR CEILING IMPACT / WORK ON THE LEVEL BELOW FOR UTILITY WORK

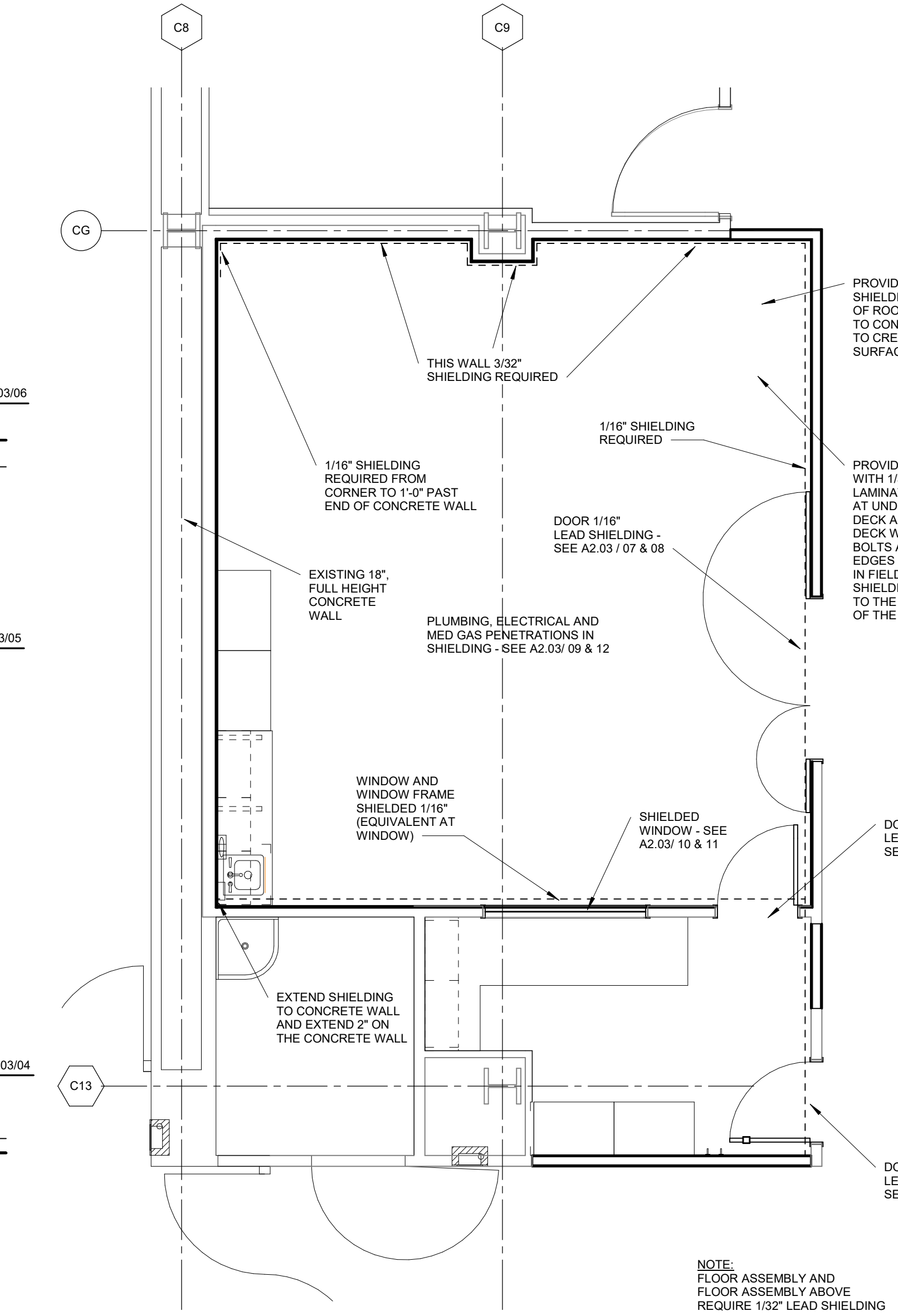
REFLECTED CEILING KEYED NOTES

- ME DESIGNATES LOCATIONS WHERE THE WALL OR TALL CABINET MILLWORK FASCIA EXTENDS TO CEILING NOTED FOR REFERENCE / COORDINATION - SEE ELEVATIONS FOR FASCIA REFERENCE
- INUS DESIGNATES A CEILING MOUNTED INJECTOR LOCATION. PROVIDE AN INJECTOR SUPPORT PER A2.03/14 & 15 AT THIS LOCATION
- IC DESIGNATES A CEILING MOUNTED IV TRACK AND HOOK ASSEMBLY
- MGSC DESIGNATES THE LOCATION FOR CEILING MOUNTED MEDICAL GASES - GAS LAYOUT SHALL BE CENTERED IN THE CEILING PANEL. REFER TO MEDICAL GAS PLAN FOR ANCHORAGE, PIPING, ETC.
- CC: CUBICLE CURTAIN / TRACK, OWNER FURNISHED / CONTRACTOR INSTALLED - SEE EQUIPMENT DRAWING FOR ADDITIONAL INFORMATION



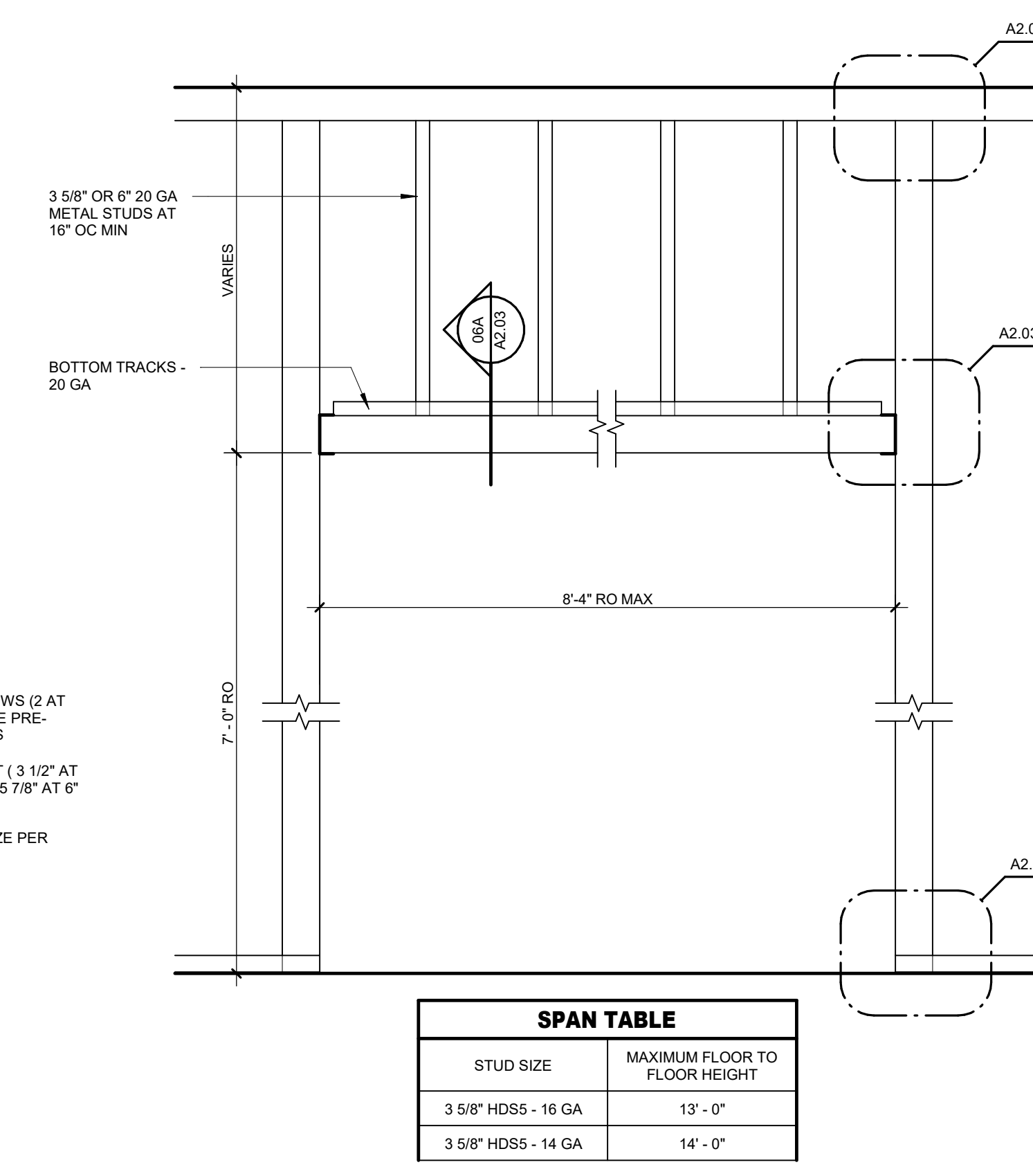
01 LEVEL 1 REFLECTED CEILING PLAN
1/8" = 1'-0"

PROJECT NORTH



02 LEVEL 1 SHIELDING PLAN
1/4" = 1'-0"

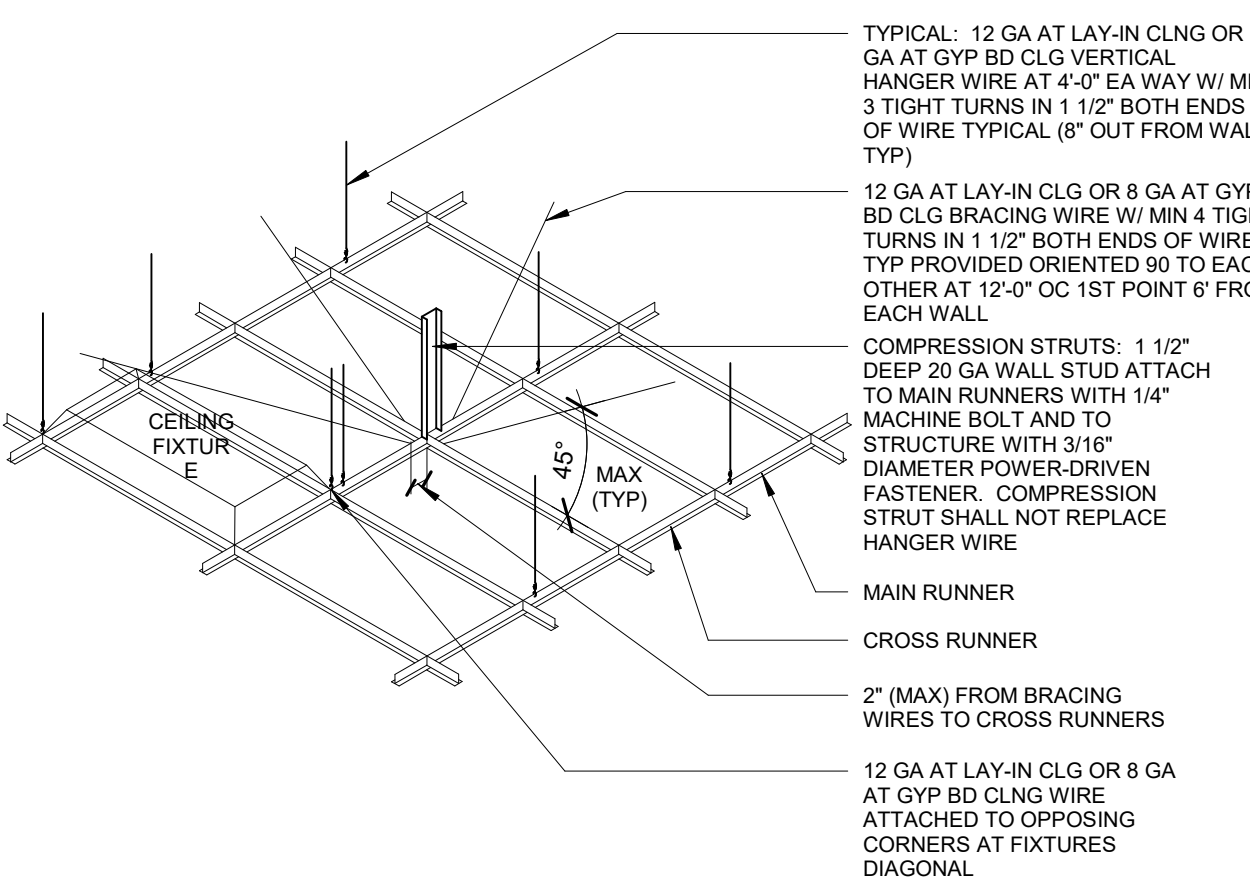
PROJECT NORTH



SPAN TABLE	
STUD SIZE	MAXIMUM FLOOR TO FLOOR HEIGHT
3/8" HDS5 - 16 GA	13'-0"
3/8" HDS5 - 14 GA	14'-0"

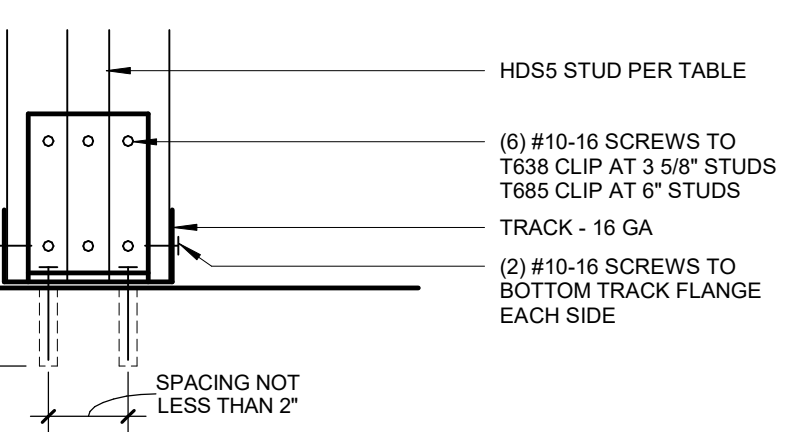
03 ELEVATION - INTERIOR PARTITION FRAMING FOR LEAD LINED DOORS
1" = 1'-0"

ALL INFORMATION BASED ON CLARK DIETRICH HDS5 FRAMING SYSTEM. DEFLECTION CRITERIA - HDS5 OR MAX 1/2" WHICHEVER IS LESS. LEAD LINED DOOR FRAME IS CONSIDERED A CONCENTRATED LOAD. PROVIDE ENGINEERING FOR METAL FRAMING COMPONENTS.

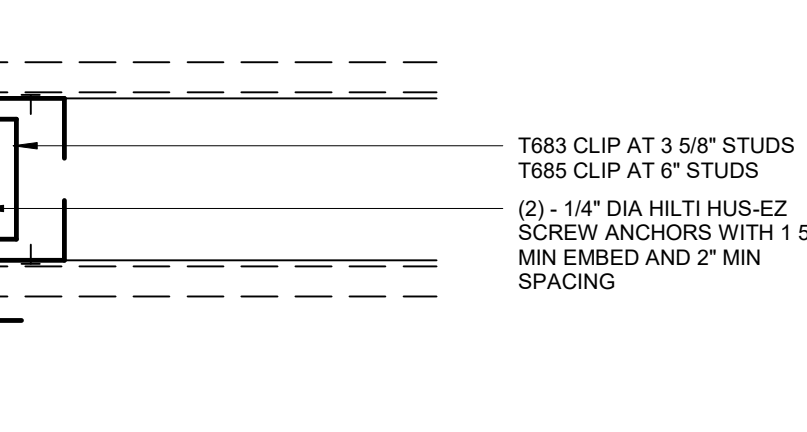


- NOTES**
- PROVIDE CEILING GRID SYSTEMS IN ACCORDANCE WITH ICC-ES-1222 (OR OTHER MANUFACTURER'S EQUAL REPORT) FOR STEEL GRID CEILING SYSTEMS, AND PROVISIONS OF ASTM C959 AND ASTM C968, AND MANUFACTURER'S RECOMMENDATIONS FOR SEISMIC ZONE
 - ALL LATERAL SUPPORTS MUST BE LOCATED A MIN OF 6" (152mm) FROM HORIZONTAL UNBRACED PIPES AND DUCTWORK
 - VERTICAL STRUTS FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL LOAD INDUCED BY THE BARRIER WIRES.
 - THE VERTICAL STRUTS AT HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12'-0" (3658mm) OC IN BOTH DIRECTIONS, WITH THE FIRST POINT WITHIN 6'-0" (1830mm) FROM EACH WALL

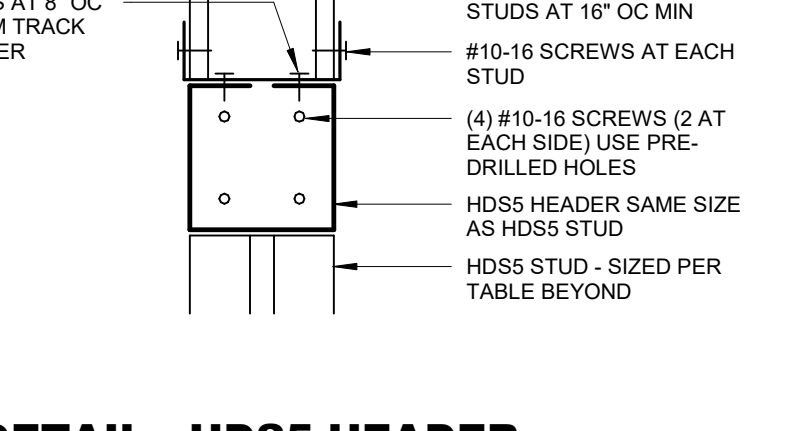
13 CEILING GRID ATTACHMENT FOR SEISMIC CONDITION
1 1/2" = 1'-0"



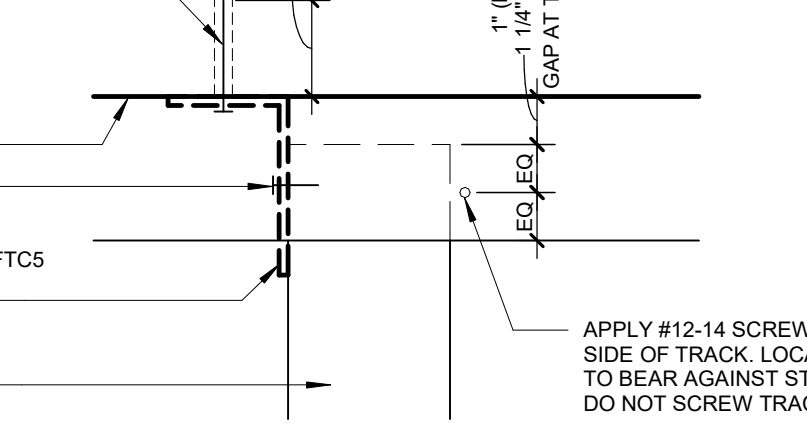
06C SECTION - HDS5 CONNECTION TO FLOOR
3" = 1'-0"



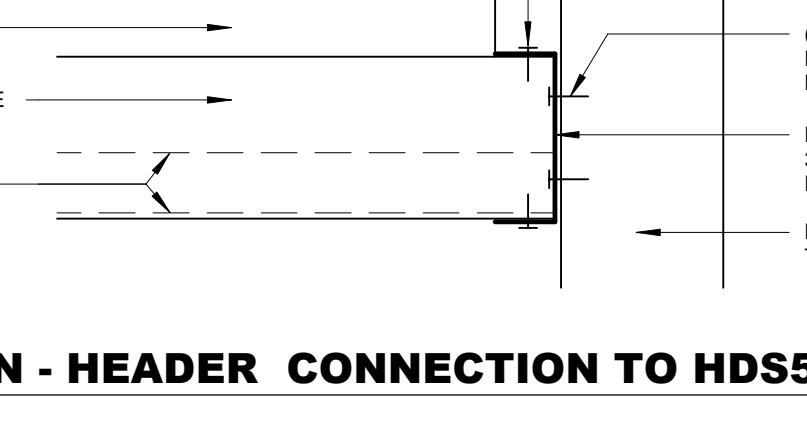
06B PLAN DETAIL - HDS5 CONNECTION TO FLOOR
3" = 1'-0"



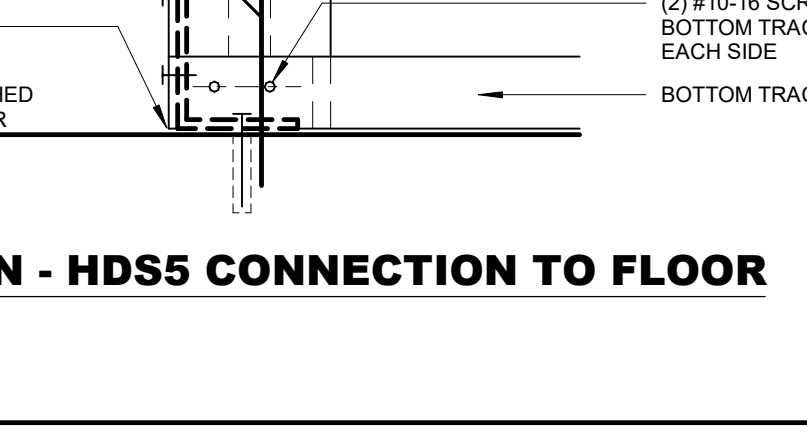
06A SECTION DETAIL - HDS5 HEADER
3" = 1'-0"



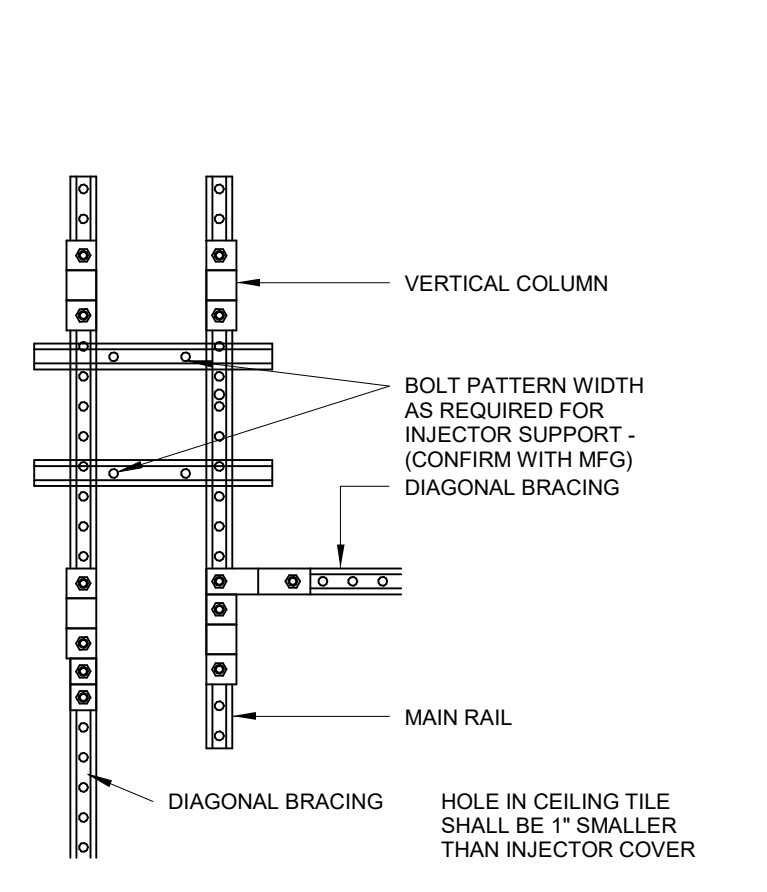
06 ELEVATION - HDS5 TOP CONNECTION
3" = 1'-0"



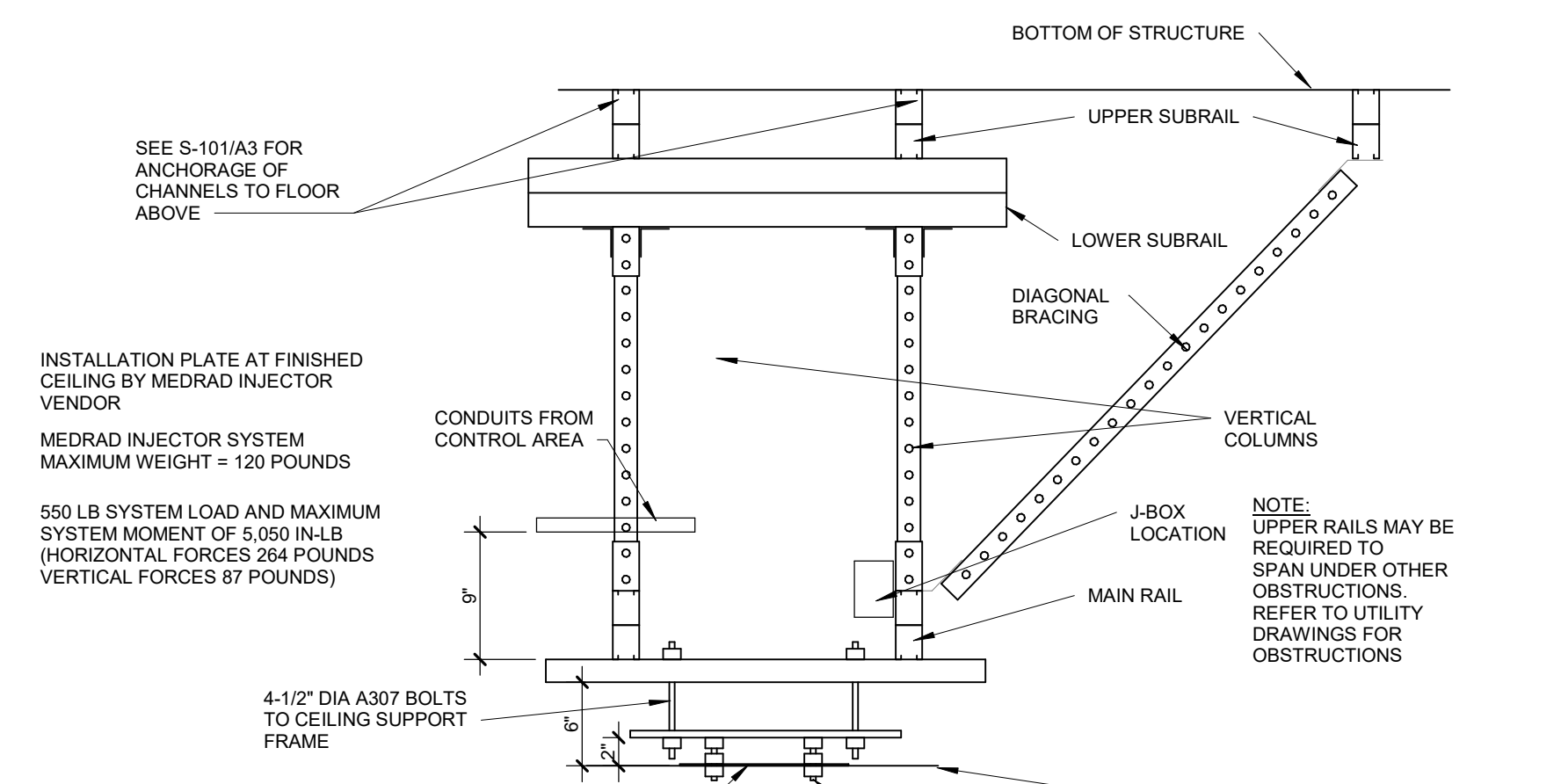
05 ELEVATION - HEADER CONNECTION TO HDS5 STUD
3" = 1'-0"



04 ELEVATION - HDS5 CONNECTION TO FLOOR
3" = 1'-0"



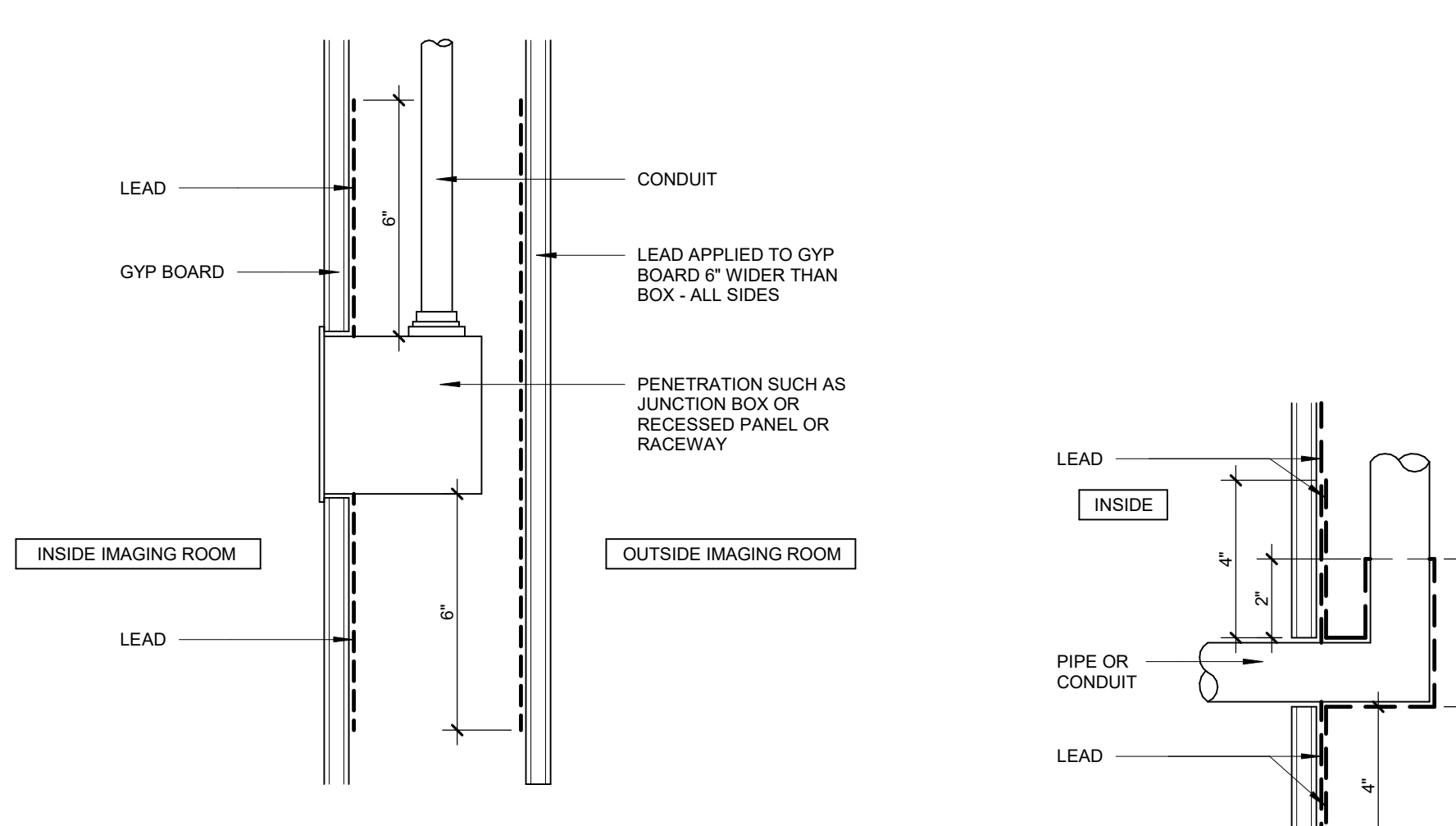
14 INJECTOR SUPPORT PLAN
1" = 1'-0"



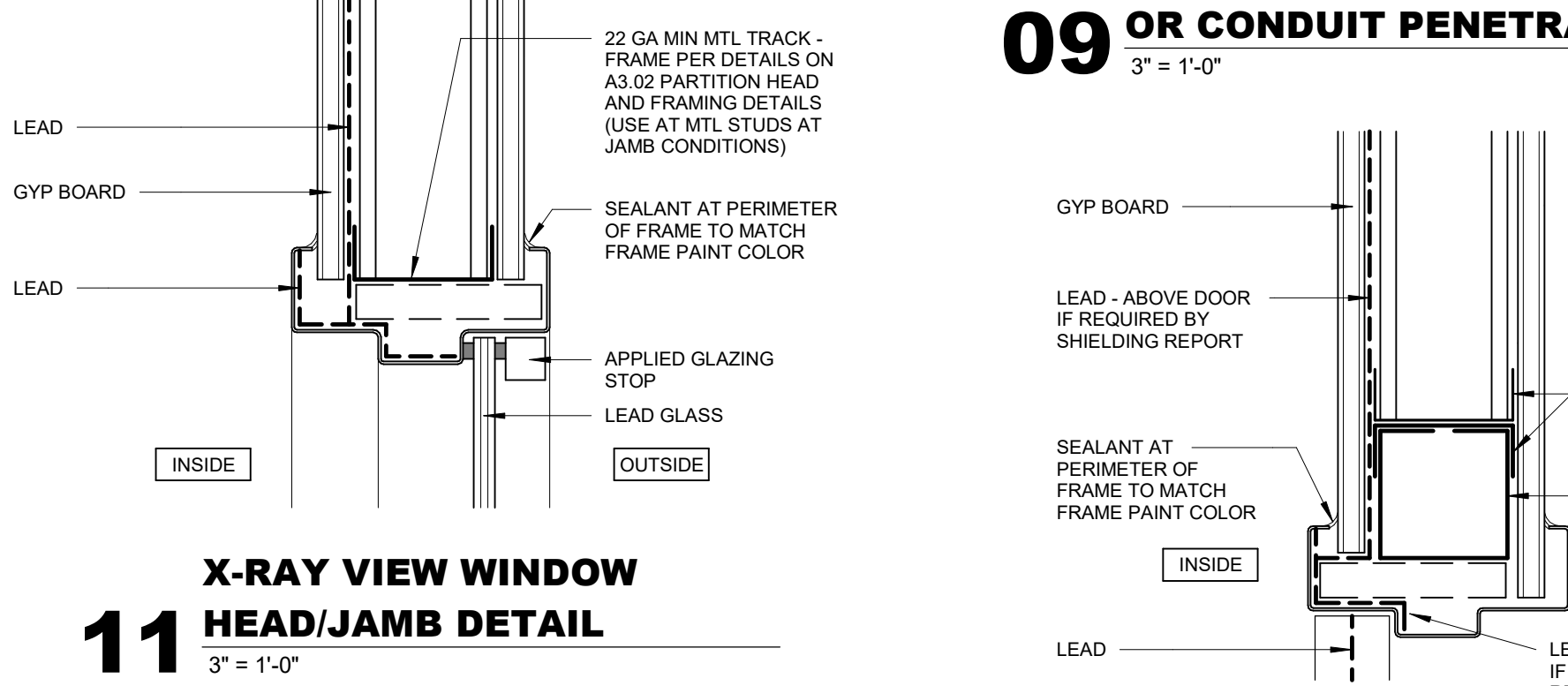
15 INJECTOR SUPPORT SECTION
1" = 1'-0"



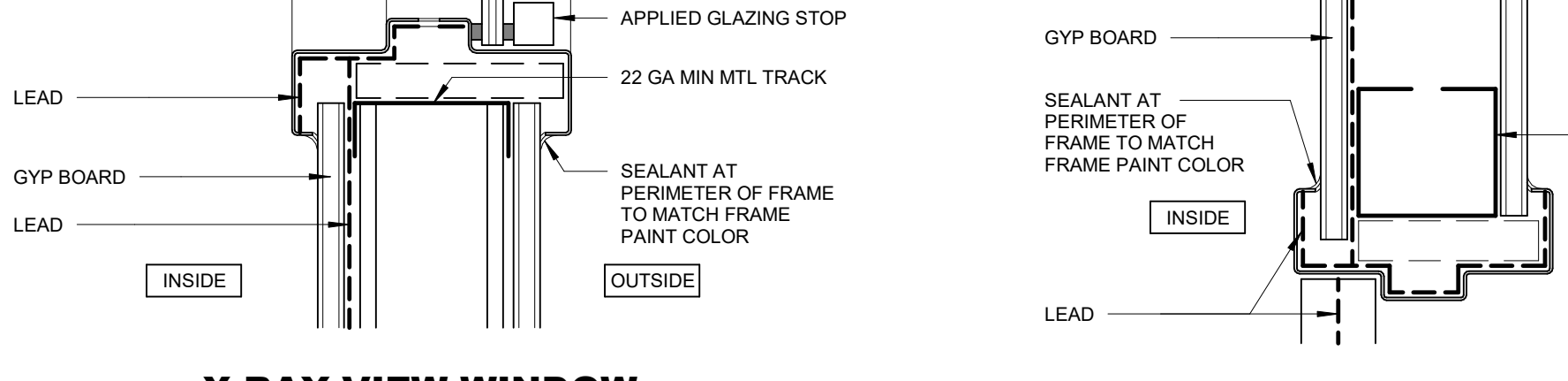
12 LEAD LINED ELECTRICAL OR DATA BOX
3" = 1'-0"



09 LEAD WRAPPED PIPE OR CONDUIT PENETRATION
3" = 1'-0"



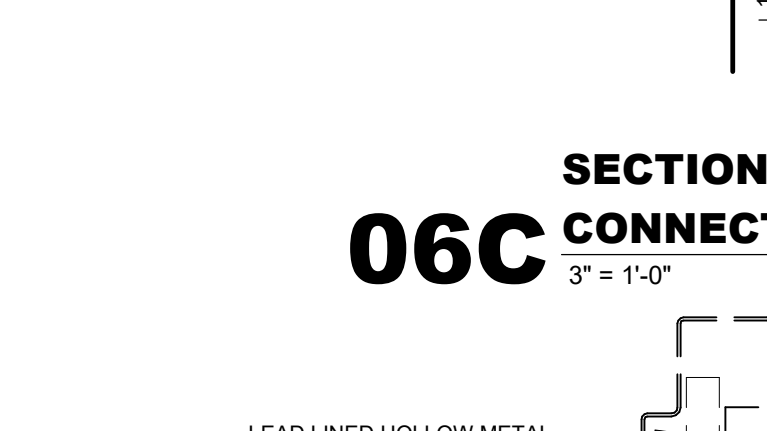
11 X-RAY VIEW WINDOW HEAD/JAMB DETAIL
3" = 1'-0"



10 X-RAY VIEW WINDOW SILL DETAIL
3" = 1'-0"



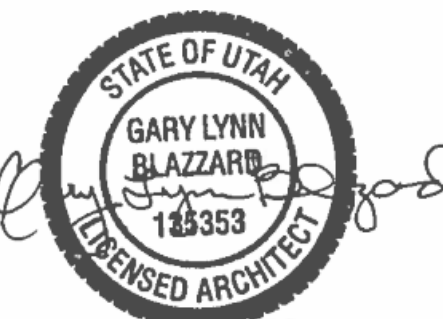
07 JAMB DETAIL - LEAD LINED DOOR FRAME
3" = 1'-0"



08 HEAD DETAIL - LEAD LINED DOOR FRAME
3" = 1'-0"



04 ELEVATION - HDS5 CONNECTION TO FLOOR
3" = 1'-0"



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
24531.000

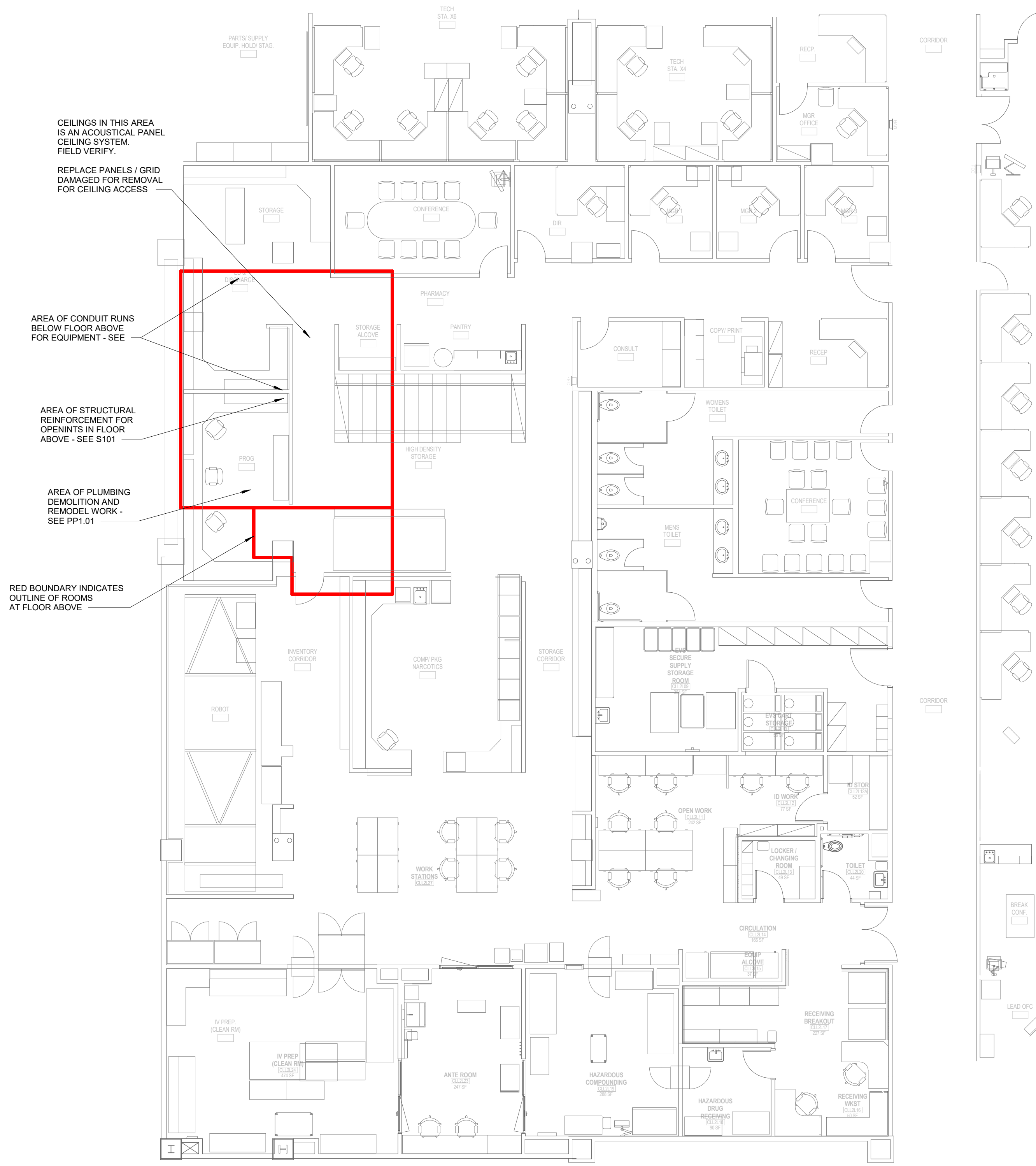
DATE
7/9/2021

ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
EQUIPMENT / FINISHES PLANS

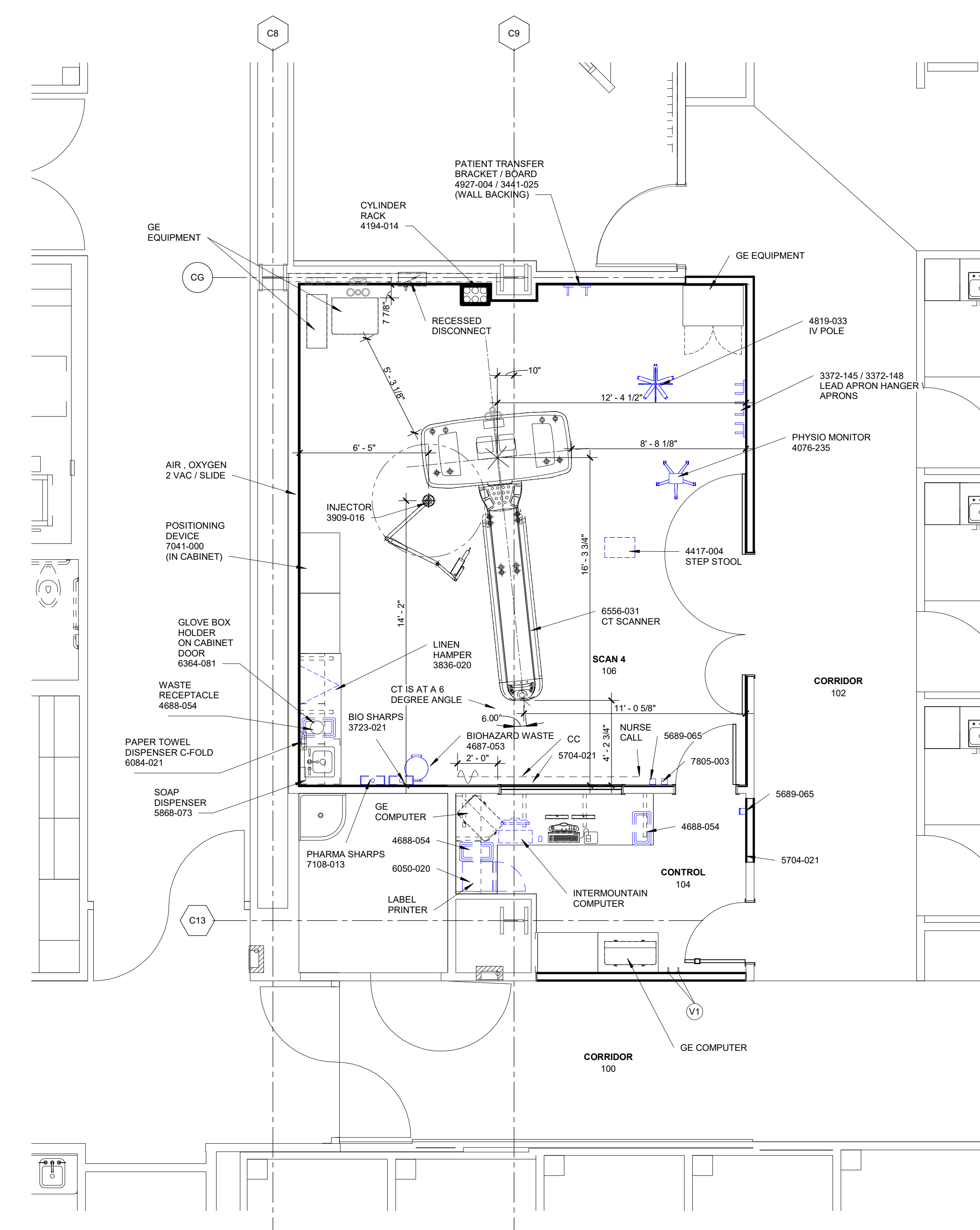
EQUIPMENT LIST / RESPONSIBILITIES

Atta ID	Category	Subcategory	Furnish Respd	Install Respo	Item Qty
5704-021	Clock	Analog, Synchronized, Wireless	Owner	Contractor	1
6050-020	Refrigerator	Commercial, Undercounter	Owner	Owner	1
4688-054	Waste Can	Open Top	Owner	Owner	2
5869-065	Dispenser	Hand Sanitizer, Wall Mount	Owner	Contractor	2
4194-014	Rack	Cylinder, Floor	Owner	Owner	1
4227-004	Bracket	Patient Transfer Device, Wall Mount	Owner	Contractor	1
4687-053	Waste Can	Bio-Hazardous	Owner	Owner	1
4819-033	Stand, IV	w/Support	Owner	Owner	1
3836-020	Hamper	Linen	Owner	Owner	2
7041-000	Positioning Device	Allowance	Owner	Owner	1
5868-073	Dispenser	Soap, Wall Mount	Owner	Contractor	1
6556-031	CT Scanner	Multi-Slice, 64-320 Slice	Owner	Vendor	1
7805-003	Dispenser	Emesis Bag, Wall Mount	Owner	Contractor	1
3372-145	Apron	Lead	Owner	Owner	1
5317-108	Cabinet, Warming	Single, Counter	Owner	Owner	1
6364-081	Dispenser, Glove	Triple Box	Owner	Contractor	1
4688-054	Waste Can	Open Top	Owner	Owner	1
5869-065	Dispenser	Hand Sanitizer, Wall Mount	Owner	Contractor	2
3441-025	Board	Patient Transfer Device	Owner	Owner	1
5704-021	Clock	Analog, Synchronized, Wireless	Owner	Contractor	1
7208-013	Disposal, Sharps	Wall Mount, Pharmacy	Owner	Contractor	1
4417-004	Stool	Step, w/Handrail	Owner	Owner	1
4076-235	Monitor, Physiologic	Beside	Owner	Owner	1
5779-007	Stand, Equipment	Monitor	Owner	Owner	1
3723-021	Disposal, Sharps	Wall Mount	Owner	Contractor	1
3372-148	Apron	Lead	Owner	Owner	1
3909-016	Injector, Contrast Med	Ceiling Mount	Owner	Contractor	1
6084-090	Dispenser	Paper Towel, Surface Mount	Owner	Contractor	1
CC	CC	Cubicle Curtain / Track	Owner	Contractor	1



05 LL2 IMPACT PLAN
1/8" = 1'-0"
PROJECT NORTH

THIS PLAN REPRESENTS THE BASIC FLOOR PLAN OF THE LEVEL BELOW THE LEVEL BEING REMODELED. FIELD VERIFY CONDITIONS NOTED.



01 LEVEL 1 EQUIPMENT PLAN
1/4" = 1'-0"
PROJECT NORTH

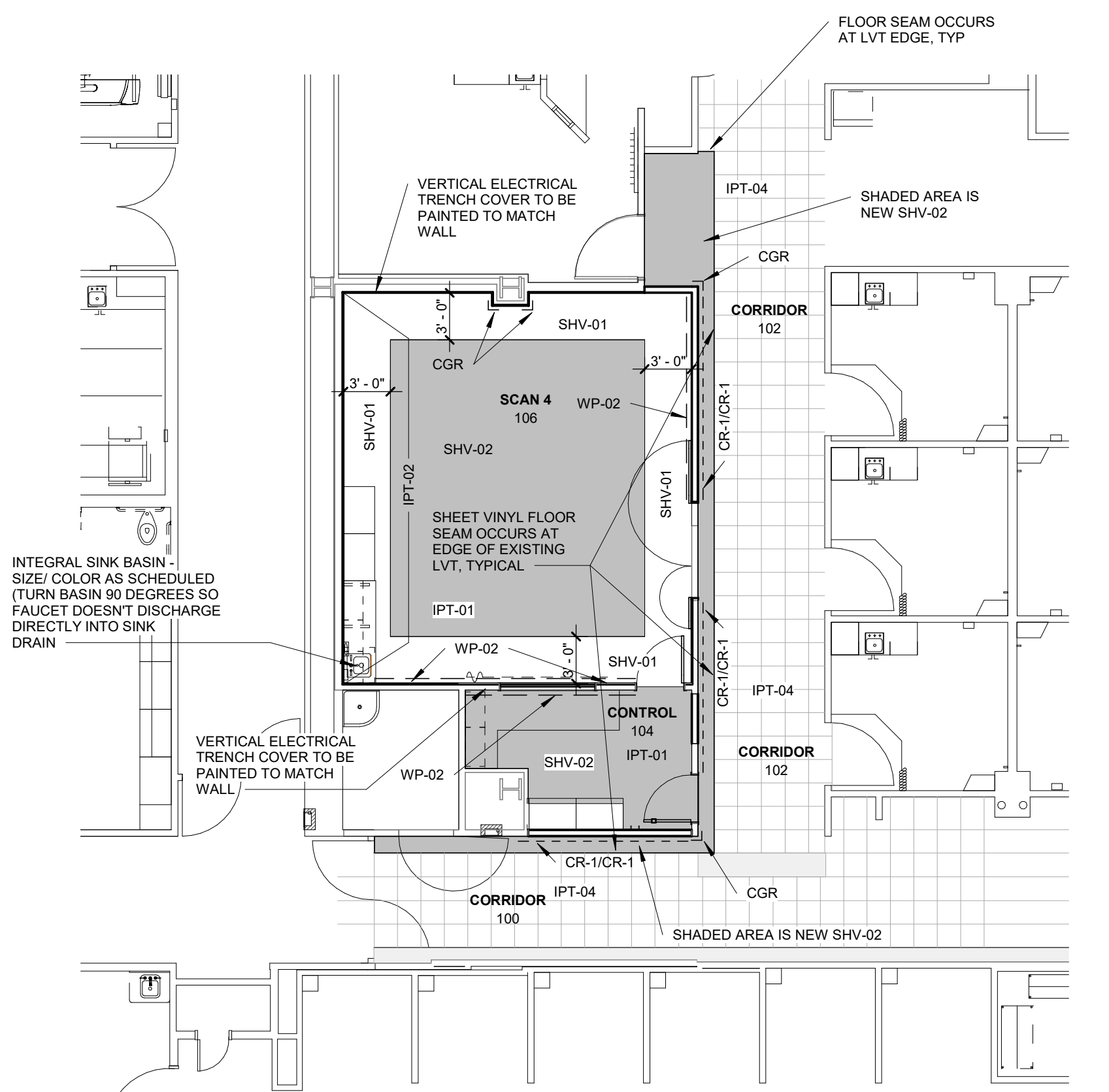
FINISH NOTES AND MATERIALS

- ETR* ON FINISH SCHEDULE INDICATES ITEMS / MATERIALS TO REMAIN WHERE ETR* AND FINISH ARE BOTH NOTED REFER TO THE DRAWINGS FOR THE EXTENT OF MATERIALS TO REMAIN AND NEW TO BE PROVIDED
- ACCENT PAINT LOCATIONS ARE INDICATED ON THE FINISH PLAN WITH IPT# ADJACENT TO WALL LOCATION
- PATCH WALLS WHERE FLOORING BASE IS REMOVED, BEFORE NEW FLOORING BASE IS PROVIDED
- CGR* INDICATES A RELOCATED CORNER GUARD LOCATION
- PROVIDE 1/8" EPOXY FLOOR COATING OVER LEAD SHIELDING IN SCAN 106. FLOOR COATING SHALL PROVIDE A FLAT SURFACE FOR APPLICATION OF THE SHEET VINYL FLOORING TAPER FLOOR COATING AT THE DOOR OPENINGS DOWN TO THE EXISTING CONCRETE FLOOR

- SHV-01 SHEET VINYL (MEDIUM GREY/BROWN) MANNINGTON, BIOSPEC, SBR7461, FLUX BASE. 4" HIGH INTEGRAL COVE BASE
- SHV-02 SHEET VINYL (DARK GREY) MANNINGTON, BIOSPEC, SBR7369, BEDROCK BASE. 4" HIGH INTEGRAL COVE BASE
- PAINT:**
- IPT-01 PAINT: NEW ROOM FIELD COLOR SHERWIN WILLIAMS, WORLDLY GREY, SW7043
- IPT-02 PAINT: ACCENT COLOR - GREY SHERWIN WILLIAMS, AUSTRERE GRAY, SW6194
- IPT-03 PAINT: DOOR FRAMES SHERWIN WILLIAMS, MATCH EXISTING DARK COLOR
- IPT-04 PAINT: EXISTING CORRIDOR FIELD COLOR SHERWIN WILLIAMS, MATCH EXISTING COLOR
- EPOXY FLOOR PAINT:** SHERWIN WILLIAMS, 2 PART EPOXY, PRO-INDUSTRIAL HIGH PERFORMANCE EPOXY COATS TO PROVIDE A 1/16" THICK FLOORING MATERIAL
- WALL PROTECTION:** WP-01 CORRIDOR CRASH RAILS / CORNER GUARDS MATCH EXISTING BROWN COLOR AT NEW WALL PROTECTION ELEMENTS
- WP-02 SCAN ROOM WALL PROTECTION / CORNER GUARDS CONTROL ROOM UNDERCOUNTER WALL PROTECTION MATCH ADJACENT ROOM COLOR (DARKER GREY)
- PLASTIC LAMINATE - VERTICAL SURFACES: WILSONART, PHANTOM COCOA, E13K-09, GLOSS LINE FINISH
- SOLID SURFACES - COUNTERTOPS: CORIAN, NEUTRAL CONCRETE
- INTEGRAL SINK BASIN: GEMSTONE 15X15-ES - PEARL GREY
- ACP-01 ACOUSTICAL PANEL (EXISTING CORRIDORS): MATCH EXISTING SECOND LOCK PANELS (VERIFY ARMSTRONG CORTEGA IS MFG) 24"X48" WHITE, REGULAR EDGE 15X16" HEAVY DUTY GRID (WHITE) FOR SEISMIC ZONE D 2' EDGE ANGLE (EXISTING)
- ACP-02 ACOUSTICAL PANEL (NEW INTERIOR ROOMS): MATCH ACP-01 PANELS (VERIFY ARMSTRONG CORTEGA IS MFG) 24"X48" WHITE, FLAT EDGE 15X16" HEAVY DUTY GRID (WHITE) FOR SEISMIC ZONE D 2' EDGE ANGLE
- DOORS: MATCH EXISTING DOORS (MAPLE, TRANSPARENT FINISH VERIFY WOOD CUT - MATCHING EXISTING)

WALL AND CORNER GUARDS SCHEDULE

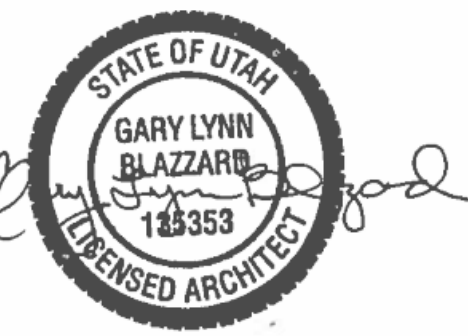
FINISH FLOOR	CRASH RAIL (CR-1)	CORNER GUARD (CG)	WALL PROTECTION (WP)
FINISH FLOOR	CRASH RAIL (CR-1)	CORNER GUARD (CG)	WALL PROTECTION (WP)
DRAWING DESIGNATION	CRASH RAIL (CR-1)	CORNER GUARD (CG)	WALL PROTECTION (WP)
FINISH FLOOR	CRASH RAIL (CR-1)	CORNER GUARD (CG)	WALL PROTECTION (WP)
DRAWING DESIGNATION	CRASH RAIL (CR-1)	CORNER GUARD (CG)	WALL PROTECTION (WP)



02 LEVEL 1 FINISHES PLAN
1/8" = 1'-0"
PROJECT NORTH

Intermountain Medical Center ED CT -Imaging Project

OWNER
 INTERMOUNTAIN HEALTHCARE
 36 SOUTH STATE STREET
 SALT LAKE CITY, UTAH 84111



REVISION	NO.	DESCRIPTION	DATE

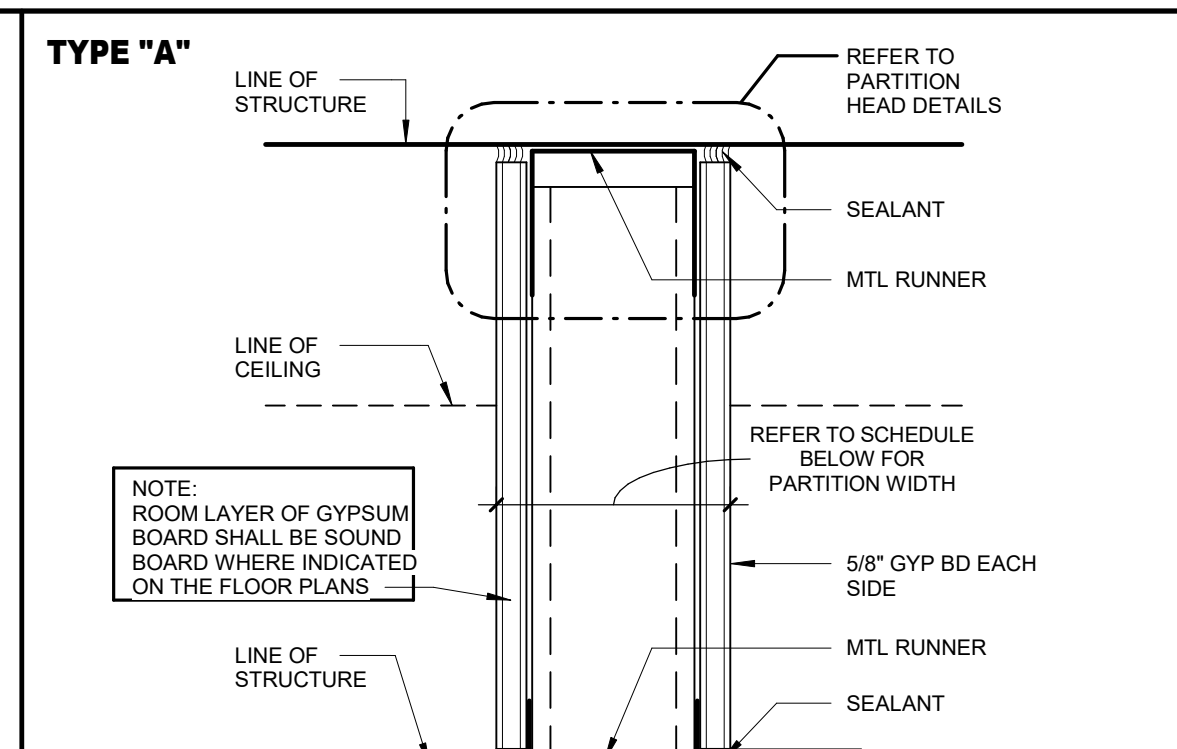
HKS PROJECT NUMBER
24531.000

DATE
7/9/2021

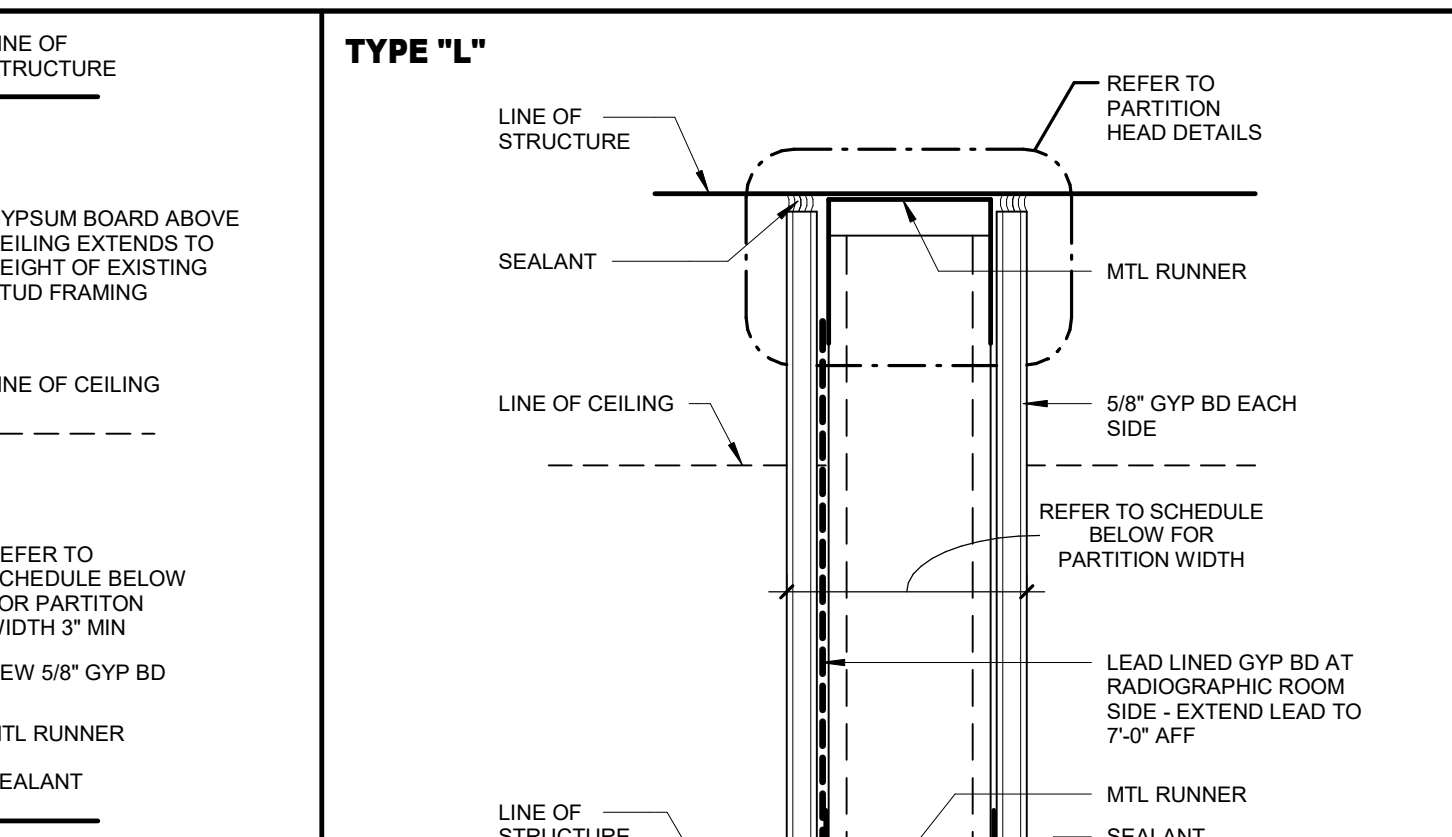
ISSUE
CONSTRUCTION DOCUMENTS

SHEET TITLE
PARTITION INFORMATION

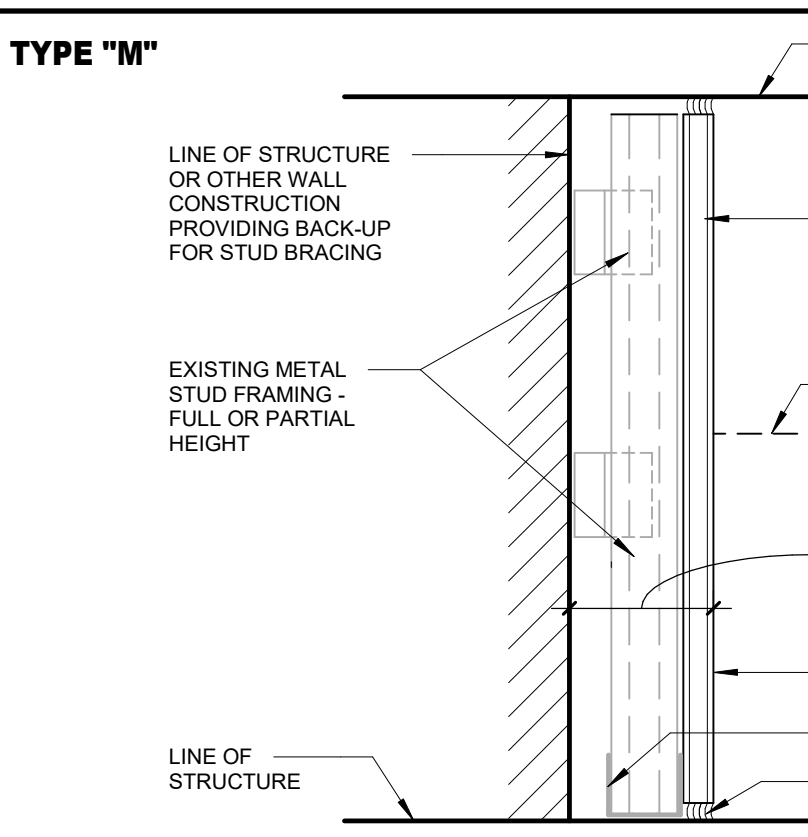
SHEET NO.
A3.00



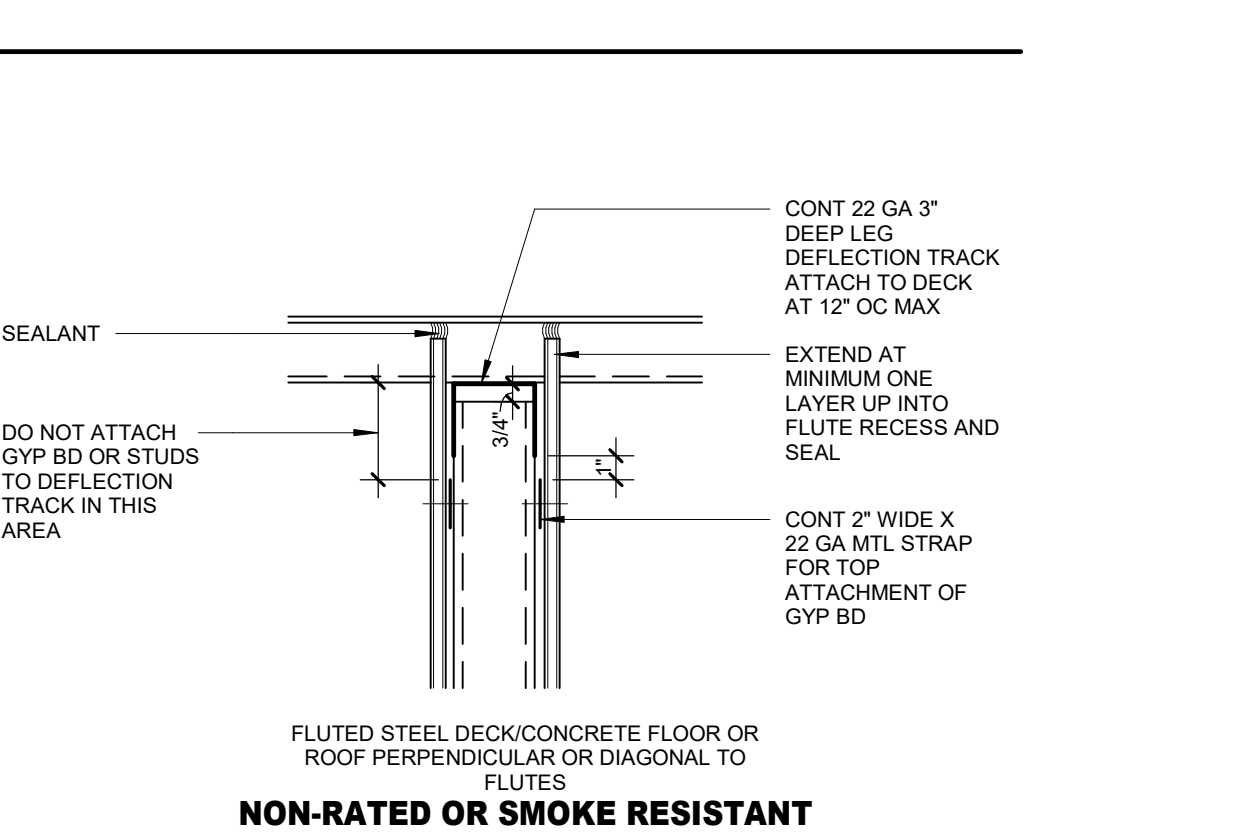
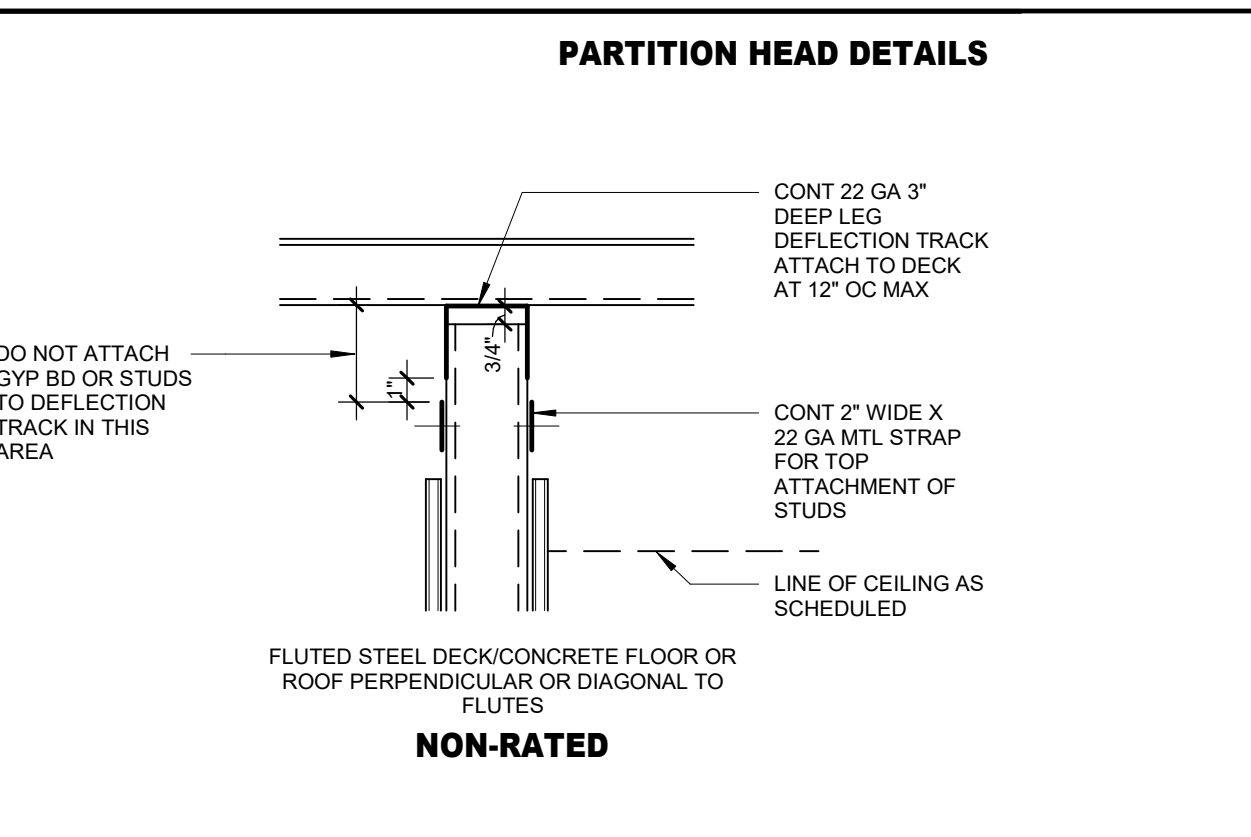
FLOOR PLAN DESIGNATION	FLOOR PLAN DESIGNATION	STUD	PART	FIRE	UL	STC	LABORATORY
NO SOUND ATTENUATION	WITH SOUND ATTENUATION	SIZE	WIDTH	RATING	LISTING	NO SOUND WITH SOUND	TEST REPORT & REMARKS
A3	A3	2 1/2"	3 3/4"	NON RATED	N/A	34	USG - 150B19
A3	A3	3 5/8"	4 7/8"	NON RATED	N/A	44	USG - 150B19
A6	A6	6"	7 1/4"	NON RATED	N/A	40	USG - 150B19
A2	A2	2 1/2"	3 3/4"	SMOKE RESIST	N/A	34	USG - 150B19
A3	A3	3 5/8"	4 7/8"	SMOKE RESIST	N/A	44	USG - 150B19
A6	A6	6"	7 1/4"	SMOKE RESIST	N/A	40	USG - 150B19
A3	A3	2 1/2"	3 3/4"	ONE HOUR	U419	34	USG - 150B19
A3	A3	3 5/8"	4 7/8"	ONE HOUR	U465	44	USG - 150B19
A6	A6	6"	7 1/4"	ONE HOUR	U465	40	USG - 150B19
A3	A3	2 1/2"	3 3/4"	ONE HOUR SMOKE RESIST	U418	34	USG - 150B19
A3	A3	3 5/8"	4 7/8"	ONE HOUR SMOKE RESIST	U465	44	USG - 150B19
A6	A6	6"	7 1/4"	ONE HOUR SMOKE RESIST	U465	40	USG - 150B19
A6	A6	6"	7 1/4"	ONE HOUR SMOKE RESIST	U465	34	USG - 150B19



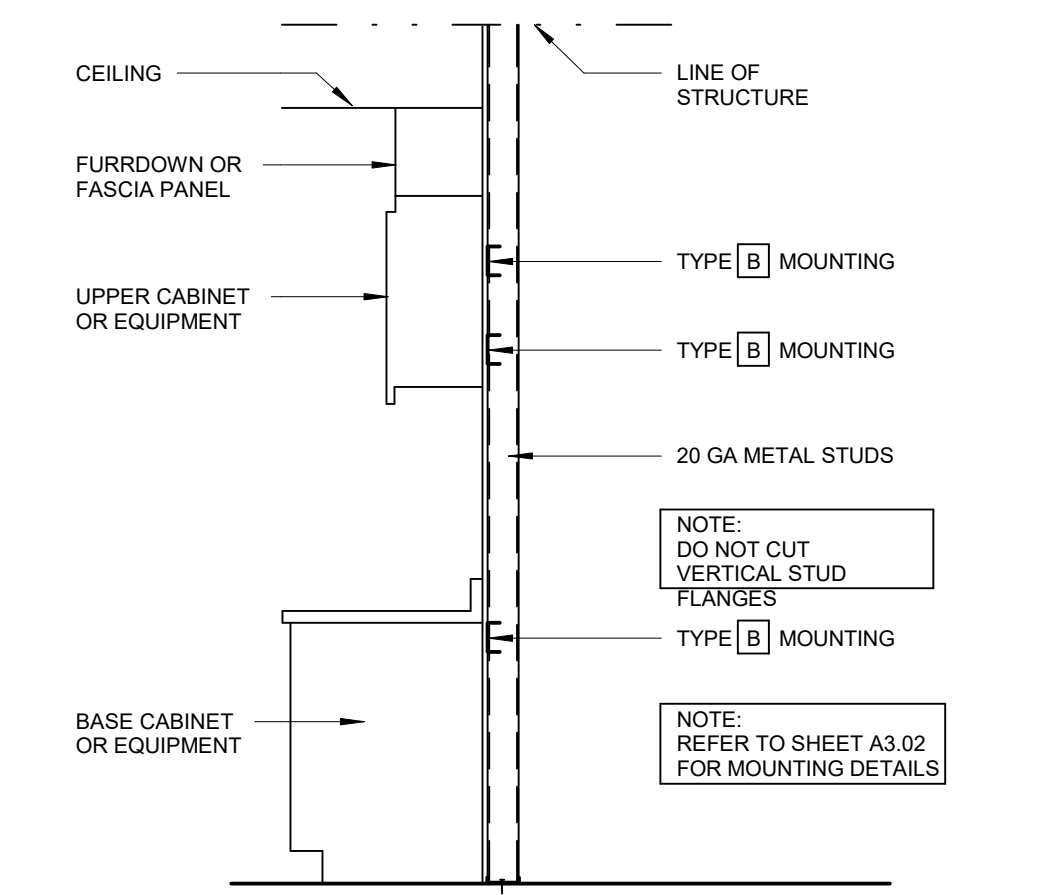
FLOOR PLAN DESIGNATION	FLOOR PLAN DESIGNATION	STUD	PART	FIRE	UL	STC	LABORATORY
NO SOUND ATTENUATION	WITH SOUND ATTENUATION	SIZE	WIDTH	RATING	LISTING	NO SOUND WITH SOUND	TEST REPORT & REMARKS
L3	L3	3 5/8"	4 7/8"	NON RATED	N/A	37	USG - 150B19
L3	L3	6"	7 1/4"	NON RATED	N/A	41	USG - 150B19
L3	L3	3 5/8"	4 7/8"	SMOKE RESIST	N/A	37	USG - 150B19
L3	L3	6"	7 1/4"	SMOKE RESIST	N/A	41	USG - 150B19
L3	L3	3 5/8"	4 7/8"	ONE HOUR	U465	37	USG - 150B19
L3	L3	6"	7 1/4"	ONE HOUR	U465	41	USG - 150B19
L3	L3	3 5/8"	4 7/8"	ONE HOUR SMOKE RESIST	U465	37	USG - 150B19
L3	L3	6"	7 1/4"	ONE HOUR SMOKE RESIST	U465	41	USG - 150B19



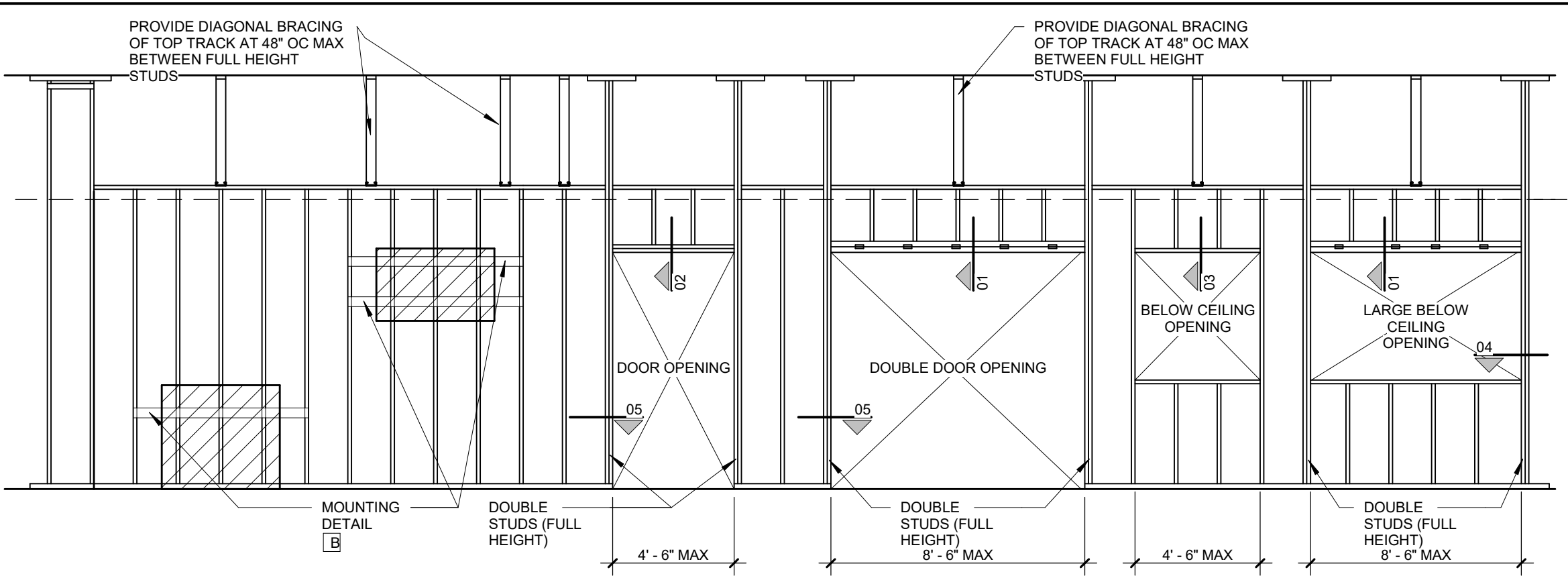
FLOOR PLAN DESIGNATION	FLOOR PLAN DESIGNATION	STUD	PART	FIRE	UL	SOUND	LABORATORY
NO SOUND ATTENUATION	WITH SOUND ATTENUATION	SIZE	WIDTH	RATING	LISTING	TRANS. CLASS	TEST REPORT & REMARKS
M8	M8	EXIST	EXIST	NON-RATED	N/A	N/A	



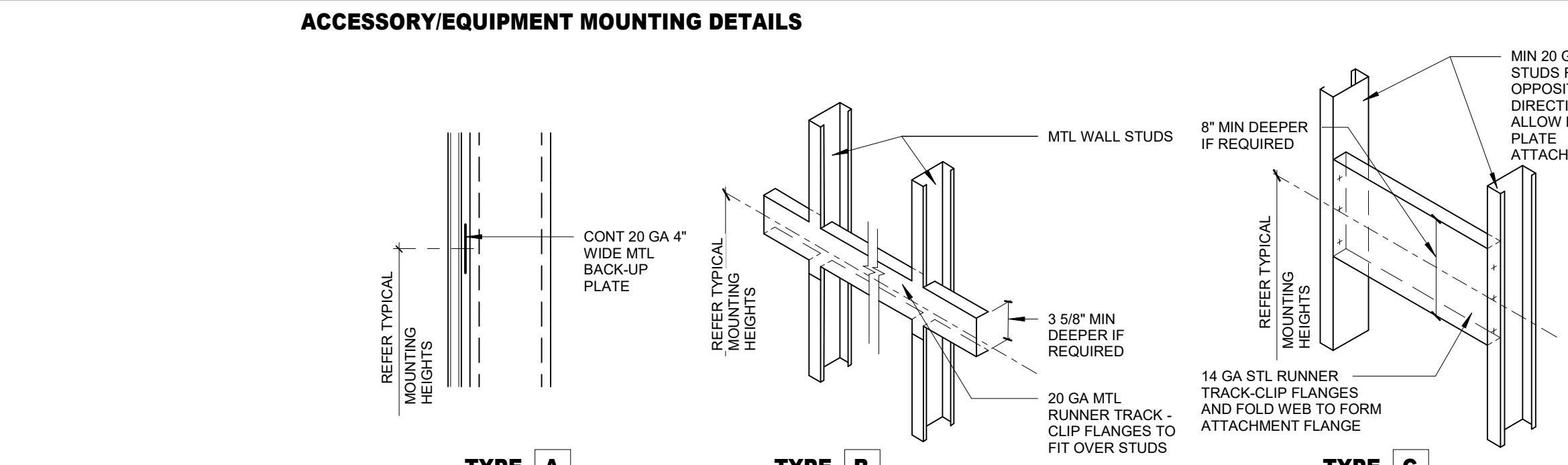
- NOTES**
- PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY SYMBOL DESIGNATION, GRAPHIC DESIGNATION OR A COMBINATION OF BOTH DESIGNATIONS.
 - THERE ARE TWO TYPES OF SYMBOL DESIGNATIONS, ONE FOR PARTITIONS NOT REQUIRING SOUND ATTENUATION AND ANOTHER FOR PARTITIONS WHICH REQUIRE SOUND ATTENUATION. REFER TO PARTITION MATRICES FOR SOUND ATTENUATION BLANKET (SAB) MINIMUM THICKNESS FOR STC INDICATED.
 - THERE ARE TWO SYMBOL DESIGNATION SYSTEMS USED. THE FIRST SYSTEM CONSISTS OF TWO AND THREE CHARACTERS. THE FIRST CHARACTER IS A LETTER INDICATING THE PARTITION TYPE. THE SECOND CHARACTER IS NUMERIC INDICATING THE STUD OR CMJ WIDTH. REFER TO LEGEND BELOW. THIS SYSTEM IS USED TO DEFINE WALL TYPES: A, B, C, D, E, F, H, J, K, M, R
- | SYMBOL DESIGNATION (NO SOUND ATTENUATION) | SYMBOL DESIGNATION (WITH SOUND ATTENUATION) |
|---|---|
| [M] [X] | [X] [X] [X] |
| [M] [Y] | [X] [X] [Y] |
| [M] [Z] | [X] [X] [Z] |
| [M] [A] | [X] [X] [A] |
| [M] [B] | [X] [X] [B] |
| [M] [C] | [X] [X] [C] |
| [M] [D] | [X] [X] [D] |
| [M] [E] | [X] [X] [E] |
| [M] [F] | [X] [X] [F] |
| [M] [H] | [X] [X] [H] |
| [M] [J] | [X] [X] [J] |
| [M] [K] | [X] [X] [K] |
| [M] [M] | [X] [X] [M] |
| [M] [R] | [X] [X] [R] |
- | NUMERIC CHARACTER | STUD WIDTH | CMJ WIDTH |
|-------------------|------------|-----------|
| 1 | 1 5/8" | |
| 2 | 2 1/2" | |
| 3 | 3 5/8" | |
| 4 | 4" | 3 5/8" |
| 5 | 5 5/8" | |
| 6 | 6" | 7 5/8" |
| 7 | | 11 5/8" |
- | NUMERIC CHARACTER | CMJ HEIGHT |
|-------------------|------------|
| 1 | 8'-4" |
| 2 | 10'-0" |
| 3 | 12'-8" |
| 4 | 14'-0" |
| 5 | 14'-0" |
- # CHARACTER BELOW THE LINE INDICATES THE HEIGHT OF THE SPECIFIC WALL COMPONENT. THE HEIGHT OF A SPECIFIC WALL COMPONENT REFER TO THE LEGEND BELOW. THIS SYSTEM IS USED TO DEFINE WALL TYPES: G, L, P, Q, S, T, U, W, X, Y, Z
- IF NO SYMBOL DESIGNATION IS PROVIDED, THE STUD SIZE WILL BE 3 5/8".
 - THE GRAPHIC DESIGNATION IS INCORPORATED FOR PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT. REFER TO NOTE 16.
 - "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
 - ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD. REFER TO PARTITION MATRICES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLAN.
 - SEALANT:
 - FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE/SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE/SMOKE FIRE STOPPING SYSTEM.
 - NON-RATED PARTITIONS AND NON-RATED SMOKE RESISTANT PARTITIONS SHALL USE ACOUSTICAL SEALANT.
 - INSULATION - HEAD CONDITIONS AT FLOOR/ROOF DECK:
 - FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION.
 - NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BLANKETS (SAB).
 - PROVIDE FULL THICKNESS INSULATION INSIDE ALL STUD BOX BEAMS AND HEADERS.
 - REFER TO SPECIFICATIONS FOR MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES.
 - FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION UNLESS OTHERWISE INDICATED. FLOOR TRACK TO BE SET IN A CONT BED OF SEALANT.
 - FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER PARTITIONS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.
 - SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
 - EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE AND SMOKE RESISTANT RATING SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL AND 6"-0" OC MAX EACH SIDE.
 - REFER TO TOILET ACCESSORIES SHEET AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION.
 - REFER TO THE METAL FABRICATIONS DETAILS FOR MF REFERENCES IN PARTITIONS SECTION.
 - REFER TO STRUCTURAL DRAWINGS FOR REINFORCING INFORMATION.
- 18. GRAPHIC DESIGNATION**
- | GRAPHIC DESIGNATION | PRIORITY |
|------------------------------|-----------|
| 2 HR SMOKE BARRIER | 1 HIGHEST |
| 2 HR FIRE BARRIER | 2 |
| 2 HR FIRE BARRIER-SHAFT WALL | 3 |
| 1 HR SMOKE BARRIER | 4 |
| 1 HR FIRE BARRIER | 5 LOWEST |
| 1 HR FIRE BARRIER-SHAFT WALL | |
| SMOKE PARTITION (NON RATED) | |
- 19. MASONRY REINFORCEMENT:** REFERENCE STRUCTURAL DRAWINGS.
- 20. HW DETAILS DO NOT ALTER PARTITION TYPES NOTED ON PLANS.**
- NOTE:**
- NOT ALL PARTITION TYPES SHOWN ON THIS SHEET ARE USED ON THIS PROJECT.
 - THE SHADED PORTIONS OF A PARTITION TYPE ARE NOT INCLUDED IN THE SCOPE OF THE WORK.
 - THE UN-SHADED PORTIONS OF ALL PARTITION TYPES ARE INTENDED TO BE IN THE SCOPE OF THE WORK.
- HATCHING:**
- | | |
|----------------|--|
| [Shaded Box] | PARTITION TYPE INCLUDED IN SCOPE OF WORK |
| [Unshaded Box] | PARTITION TYPE NOT INCLUDED IN SCOPE OF WORK |



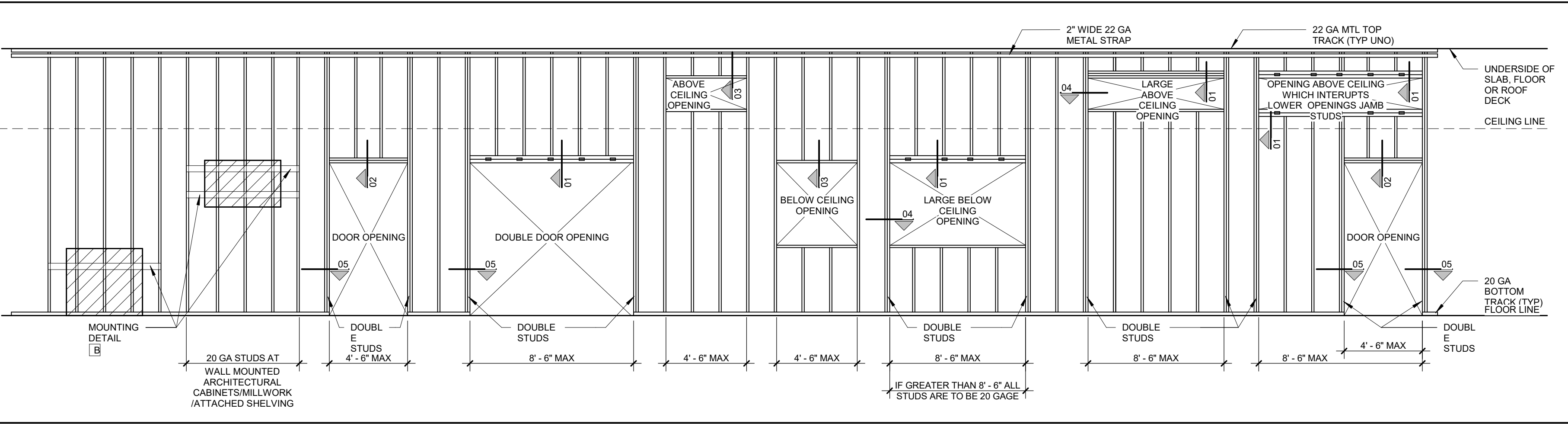
TYPICAL STUD WALL SUPPORTING EQUIPMENT AND CABINERY
 1/4" = 1'-0"



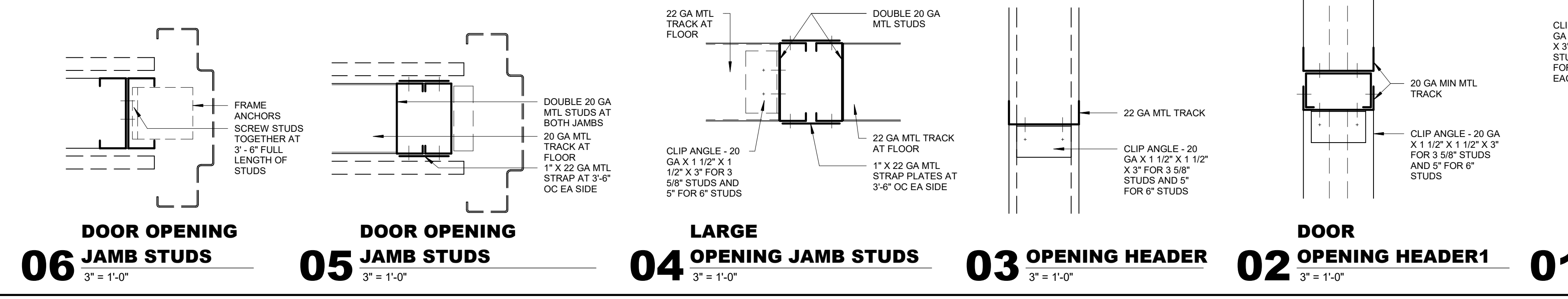
TYPICAL INTERIOR PARTITION FRAMING



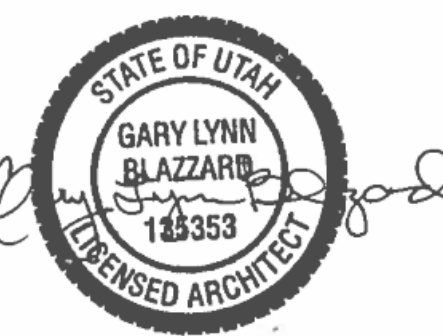
ACCESSORY/EQUIPMENT MOUNTING DETAILS



TYPICAL DOOR AND LARGE OPENING HEADERS



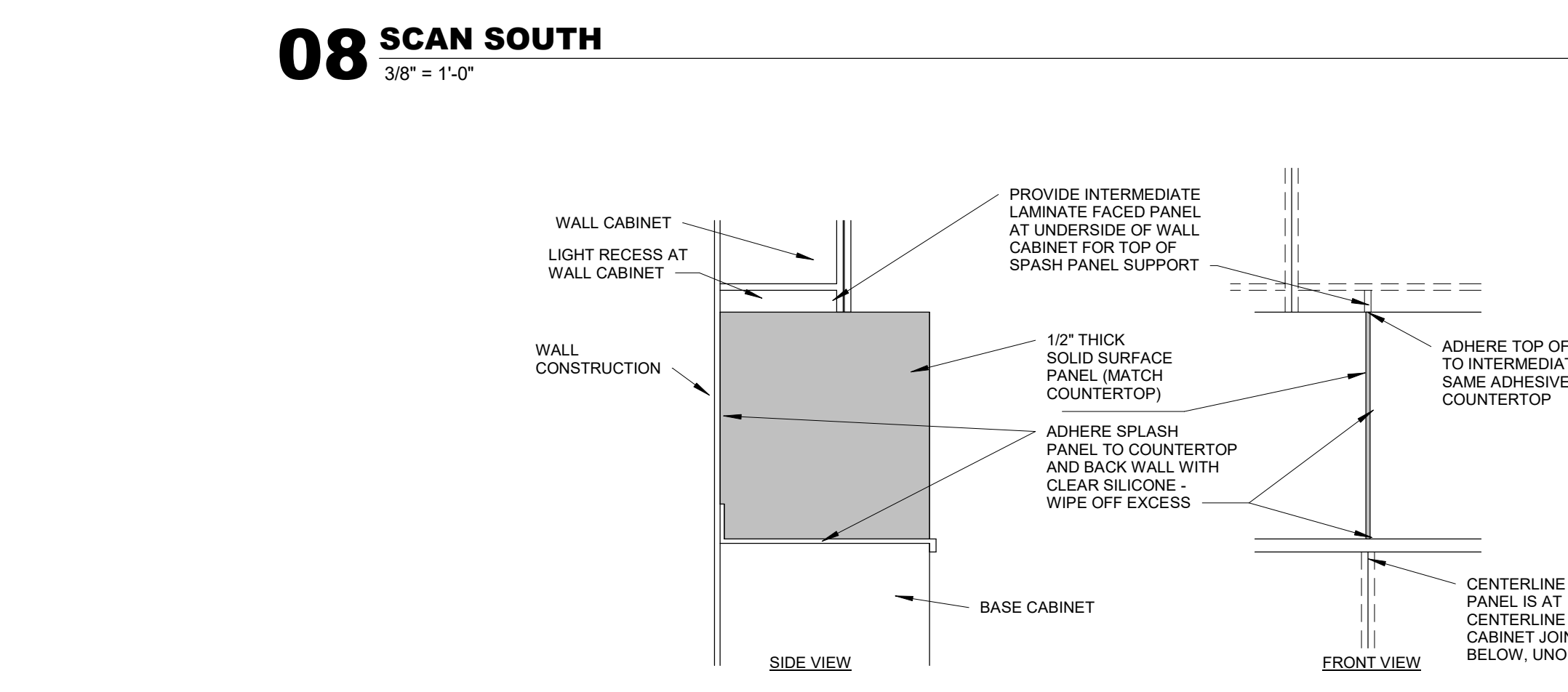
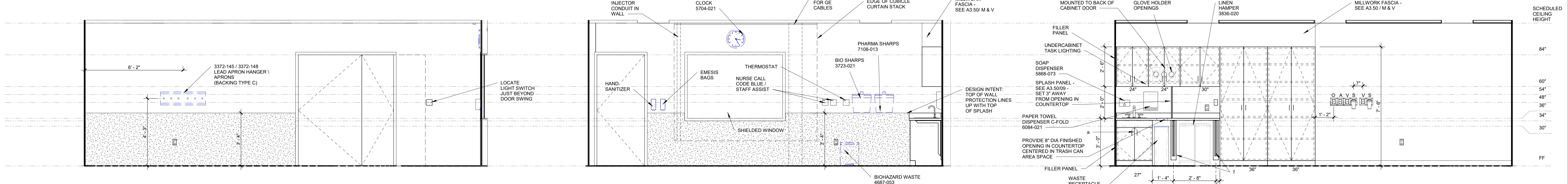
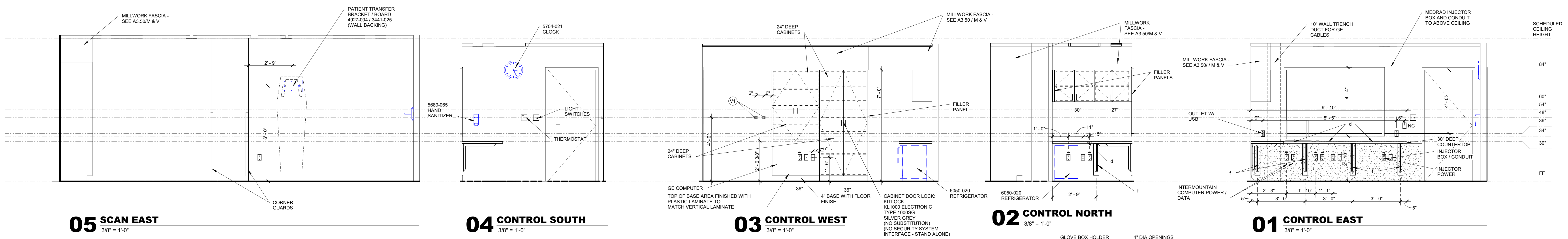
PARTITION FRAMING DETAILS



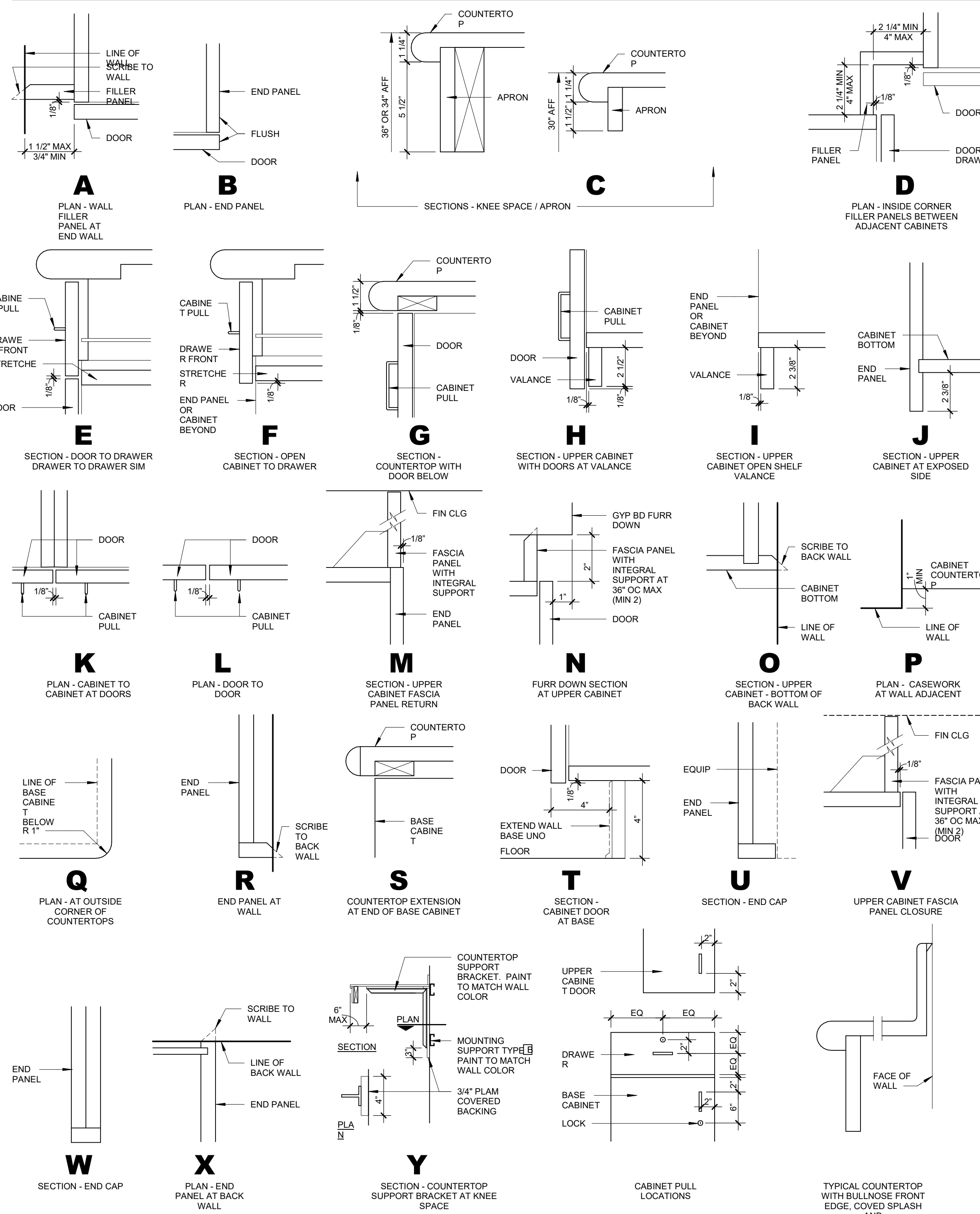
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24531.000
DATE
7/9/2021
ISSUE
CONSTRUCTION DOCUMENTS
SHEET TITLE
MILLWORK INFO / ELEVATIONS

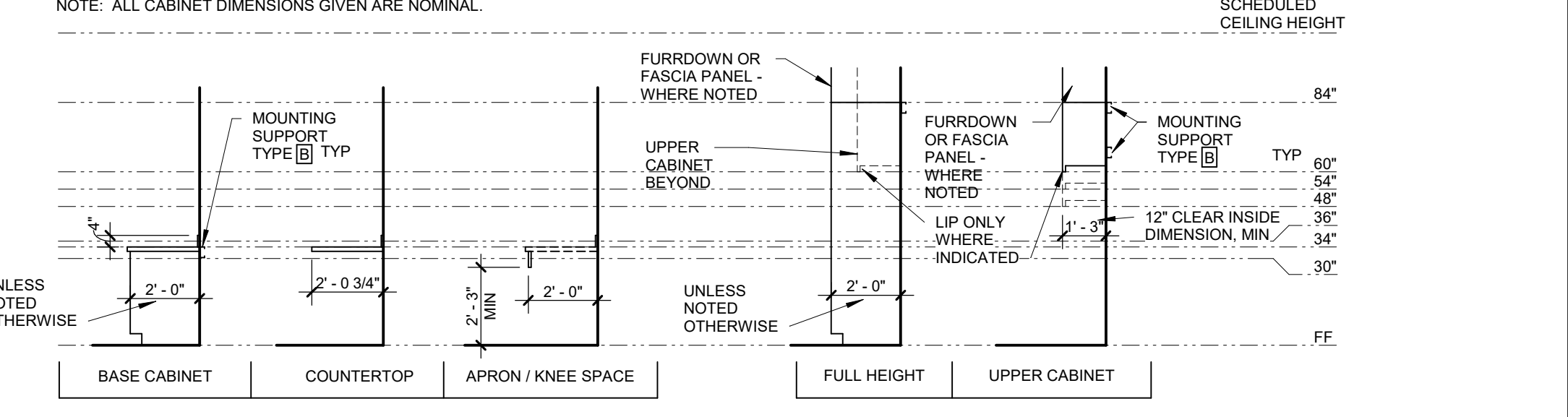
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A3.50



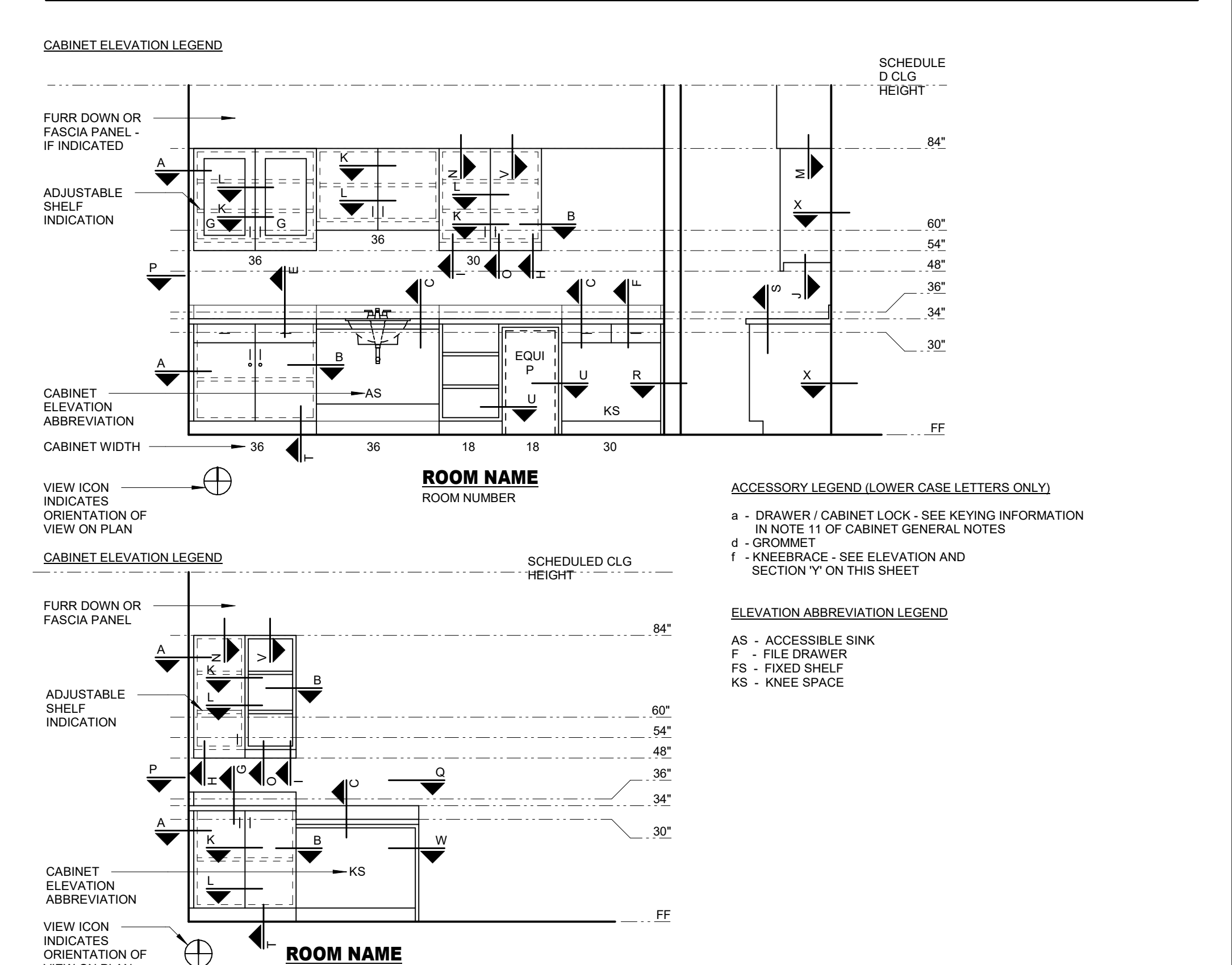
ARCHITECTURAL CABINET TYPICAL DETAILS (NOT ALL DETAILS MAY BE APPLICABLE)



TYPICAL CABINET DIMENSIONS



CABINET LEGEND (NOT ALL DETAILS/CONDITIONS MAY BE APPLICABLE)



- CABINET GENERAL NOTES**
- CABINET WIDTHS TO BE BASED ON MODULE INCREMENTS OF 3" UNO.
 - PROVIDE FILLER PANELS TO FINISH OUT TO SCRIBE CABINETS TO WALL.
 - PROVIDE FILLER PANELS AND TRIM WHERE EQUIPMENT IS LOCATED WITHIN CABINETS.
NOTE: ALL SHELVES SHALL BE 1" THICK
 - PROVIDE FINISHED END PANELS END RETURNS AT OPEN ENDED CABINETS, KNEE SPACES, AND ACCESSIBLE SINKS.
 - PROVIDE 1/2" THICK FINISHED END PANEL AT FREE STANDING END OF ACCESSIBLE SINKS AND KNEE SPACES.
 - WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE EQUAL WIDTH.
 - PROVIDE WALL BRACKET SUPPORTS AT 36" OC MAX TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE - SEE SECTION AND PLAN IN ARCHITECTURAL CABINET TYPICAL DETAILS 'Y'.
 - PROVIDE END SPLASH WHEN COUNTERTOP IS ADJACENT TO WALL AT SIDES.
 - PROVIDE HOLES FOR GROMMETS IN COUNTERTOPS WHERE INDICATED.
 - PROVIDE ADJUSTABLE SHELVES IN CABINETS AT THE FOLLOWING LOCATIONS UNO ON ELEVATIONS:
- BASE CABINET: 1 SHELF
- FULL HEIGHT CABINET: 3 SHELVES, 1 FIXED.
- FULL HEIGHT CABINET (2 SECTIONS) 4 SHELVES.
- WALL CABINET: 1 SHELF AT 24" HIGH, 2 SHELVES AT TALLER CABINETS
NOTE: ALL SHELVES SHALL BE 1" THICK
 - CABINET/DRAWER KEYS:
KEY 'A' UNLESS NOTED OTHERWISE (ALL THE SAME KEYWAY)
"AZ" = DIFFERENT KEYS, "AS" = DIFFERENT KEYS
 - COUNTERTOPS SHALL BE SOLID SURFACE, WITH A BACKSPLASH THAT IS RADIUSED TO THE COUNTERTOP (NOT SQUARE) TO FORM A COVED INTERSECTION TO THE COUNTERTOP.
NOTE:
COUNTERTOPS AT SINK LOCATIONS SHALL BE CONSTRUCTED WITH A MARINE GRADE PLYWOOD SUBSTRATE, OR EQUIVALENT
 - COUNTERTOPS SHALL BE CONSTRUCTED WITH AN 180 DEGREE BULLNOSE EDGE, WITH OUTSIDE CORNERS BEING SQUARE

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	TURNING VANES
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	FLEXIBLE DUCT
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RW=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	SMOKE DAMPER W/ ACCESS PANEL
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN

TOP FIGURES INDICATE
NECK SIZE, BOTTOM
FIGURE INDICATES CFM.

PIPING

	SHUT OFF VALVE
	BALL VALVE
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISER - DOWN (ELBOW)
	RISER - UP (ELBOW)
	PIPE CAP
	90° ELBOW
	45° ELBOW

ANNOTATIONS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	THERMOSTAT

LINETYPES

	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW-R)
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	HOT WATER RETURN
	HOT WATER SUPPLY
	MEDICAL AIR
	MEDICAL VACUUM
	MEDICAL OXYGEN
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	VENT (SEWER)

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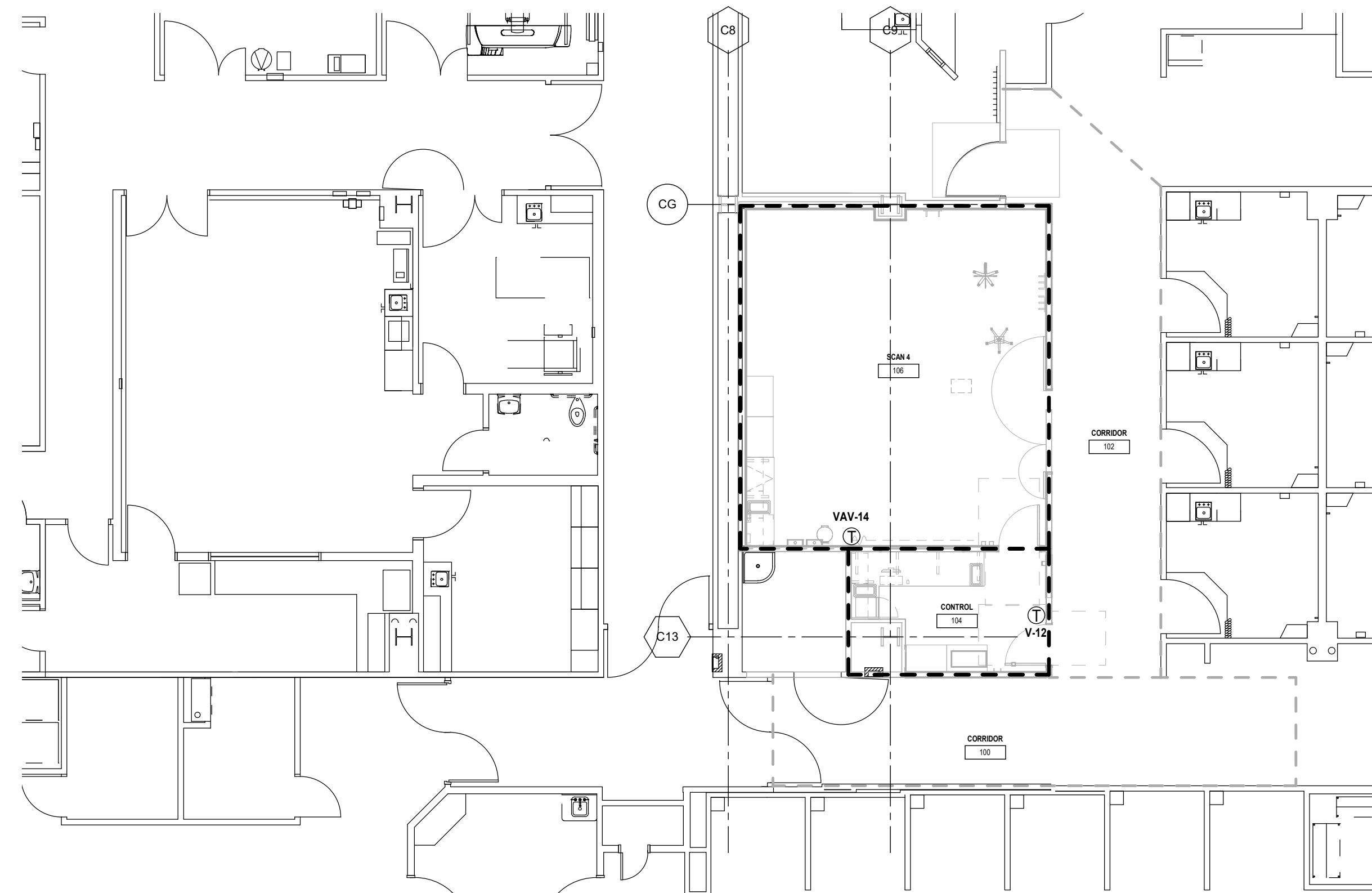
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1 MECHANICAL ZONING PLAN LEVEL 1

1/8" = 1'-0"

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DATE
7/9/2021

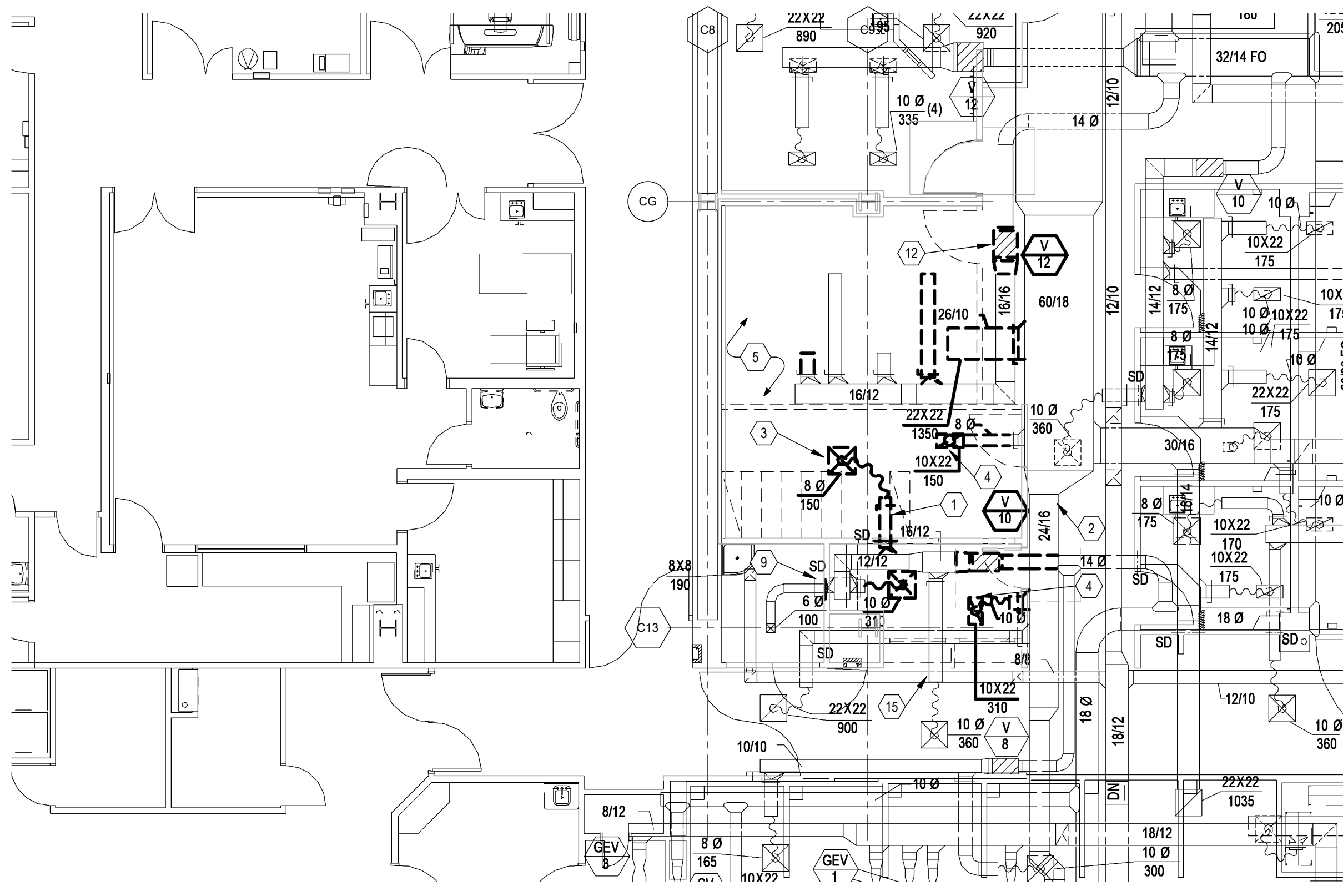
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MECHANICAL ZONING PLAN

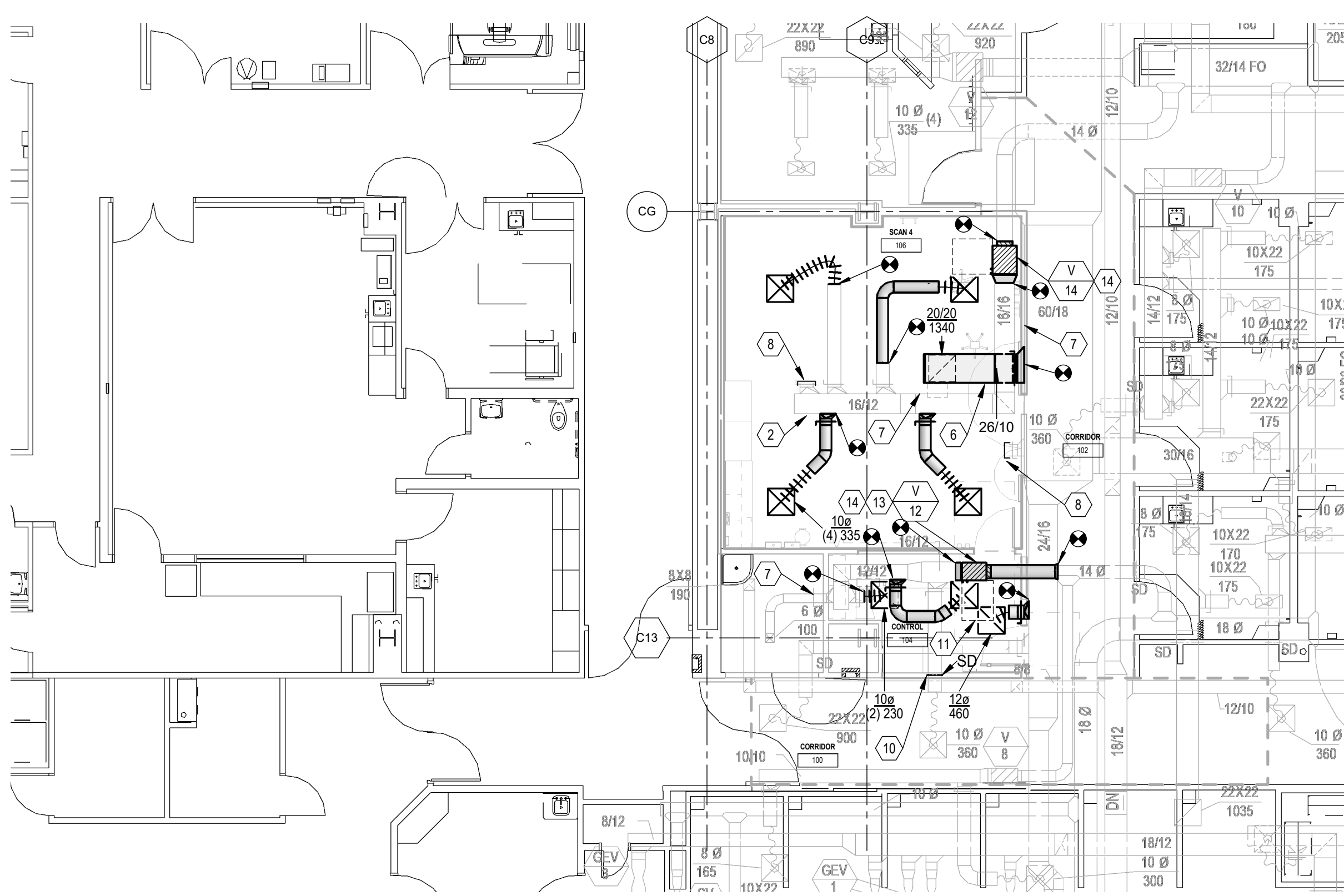
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MZ1.01

KEYED NOTES

1. EXISTING ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED, TYPICAL.
2. EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.
3. RELOCATE AND REUSE EXISTING DIFFUSERS, REGISTERS, AND GRILLES. DIFFUSER, REGISTERS AND GRILLES SHALL BE SAFELY REMOVED AND STORED UNTIL REINSTALLED, TYPICAL UNLESS NOTED OTHERWISE.
4. REGISTER TO BE DEMOLISHED.
5. MEASURE THE AIRFLOW ON ALL DIFFUSERS AND REGISTERS IN THE ENTIRE SCOPE OF WORK AND PROVIDE A TEST AND BALANCE REPORT TO THE ARCHITECT, ENGINEER, AND OWNER PRIOR TO ANY DEMOLITION, TYPICAL.
6. RELOCATE DUCTWORK TO ACCOMMODATE GRILLE LOCATION.
7. PATCH AND REPAIR DUCTWORK AS NECESSARY.
8. CAP EXISTING DUCTWORK.
9. DEMOLISH EXISTING SMOKE DAMPER.
10. CUT IN AND PROVIDE NEW 10" SMOKE DAMPER.
11. PROVIDE ENOUGH FLEX DUCT SO REGISTER AND DIFFUSER CAN BE MOVED OUT OF THE WAY TO ACCESS THE VAV BOX.
12. RELOCATE BOX TO SERVE CONTROL ROOM. SAFELY REMOVE AND STORE UNTIL BOX IS READY TO BE REINSTALLED.
13. RELOCATED VAV BOX.
14. REPLACE ALL MECHANICAL PIPING AND COMPONENTS DOWNSTREAM OF BOX SHUT OFF VALVE INCLUDING BUT NOT LIMITED TO THE CONTROL VALVES, STRAINERS, BALANCING VALVES, UNIONS, REDUCERS AND AIR VENTS.
15. DEMOLISH DUCTWORK AS NECESSARY TO INSTALL NEW SMOKE DAMPER.



PROJECT NORTH
1 MECHANICAL DEMO PLAN LOWER LEVEL 1
1/8" = 1'-0"



PROJECT NORTH
2 MECHANICAL PLAN LOWER LEVEL 1
1/8" = 1'-0"

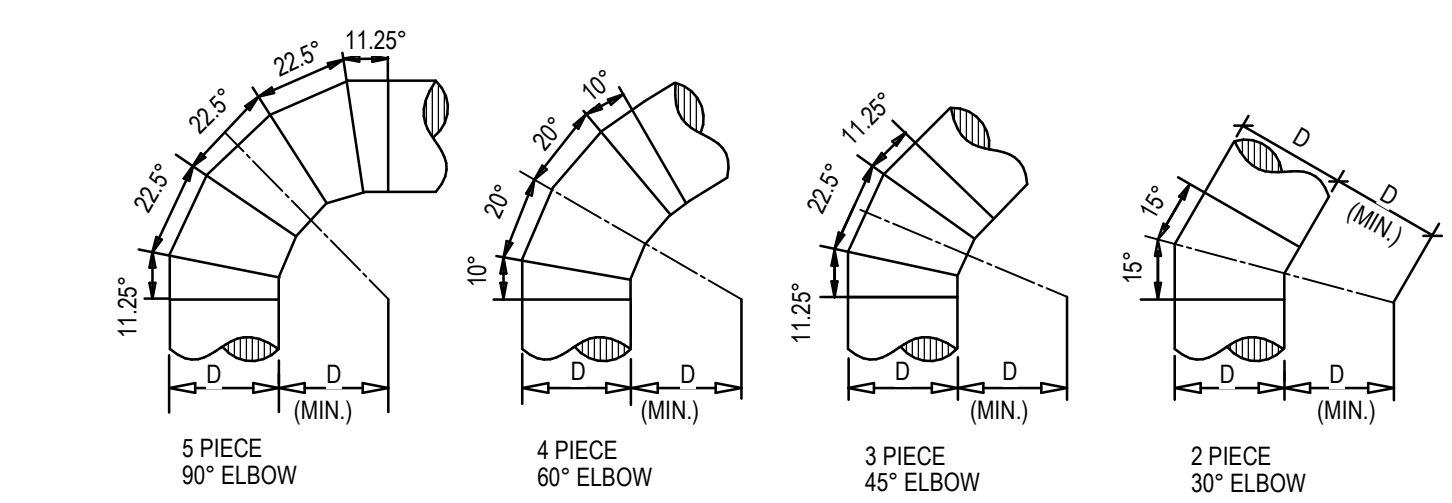
DIFFUSERS, REGISTERS, AND GRILLES				
DIFFUSER CALLOUT	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	PRICE	SPD	30	SQUARE PLAQUE FACE CEILING DIFFUSERS: REMOVABLE FACE FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"x24" OR 12"x12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. HARD LID CEILING TO BE 24"x24" OR 12"x12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FINISH AS SELECTED BY ARCHITECT.
RG-1	PRICE	PDDR	30	PERFORATED GRILLE: REMOVABLE FACE, FRAME SHALL BE 24"x24" FOR LAY-IN MOUNTING. FINISH AS SELECTED BY ARCHITECT.

HYDRONIC SINGLE DUCT TERMINAL UNIT																		
ID	MECHANICAL EQUIPMENT CALLOUT	MANUFACTURER AND MODEL NUMBER	INLET SIZE (IN)	COOLING SEASON AIRFLOW RATE (CFM)	HEATING SEASON AIRFLOW RATE (CFM)	MINIMUM AIRFLOW (CFM)	STATIC PRESSURE (IN H2O)	ENTERING AIR TEMP DB (F)	LEAVING AIR TEMPERATURE DB (F)	HEATING LOAD BTUH	ENTERING WATER TEMPERATURE (F)	LEAVING WATER TEMP	FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	PIPE SIZE	MIN NUMBER OF ROWS	NOTES
V	12	TITUS-ESV-3	12"	920	550	325	0.21	52 °F	87 °F	7590	180 °F	166 °F	2.5 GPM	WATER	0.95	3/4"	2/10	1
V	14	TITUS-ESV-3	14"	1340	800	450	0.20	52 °F	87 °F	11040	180 °F	163 °F	3.0 GPM	WATER	0.95	3/4"	2/10	

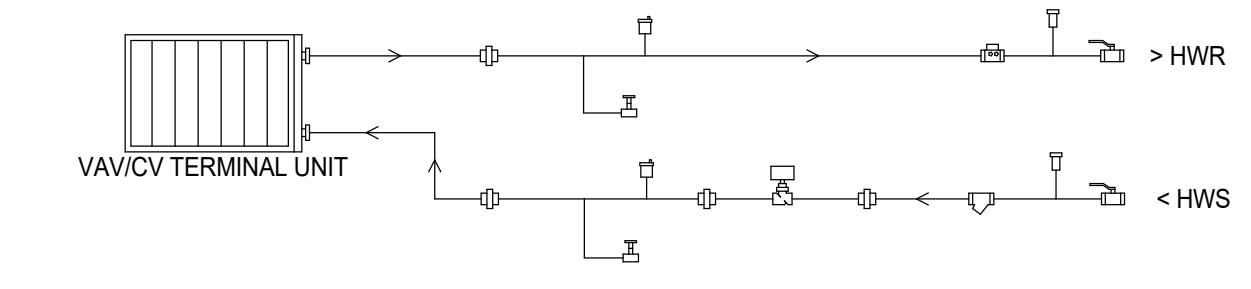
1. RELOCATED BOX.

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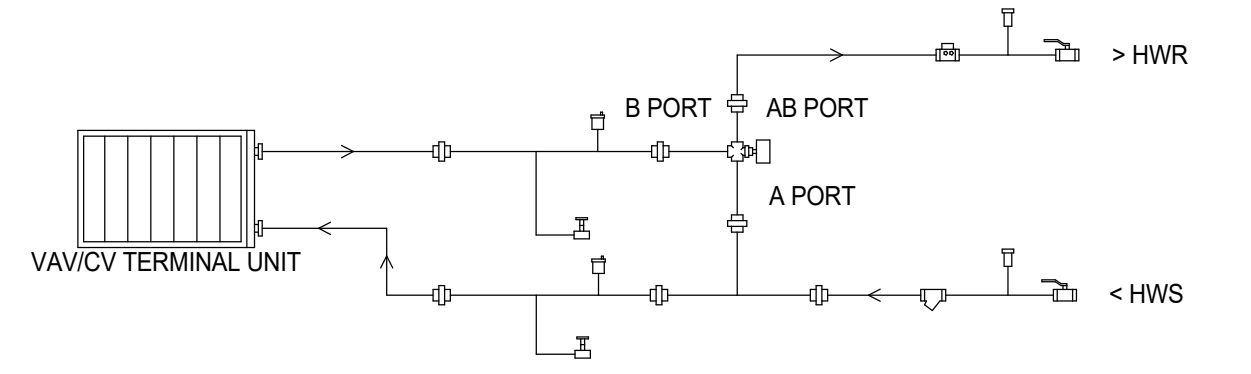
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SHEET TITLE
MECHANICAL PLANS



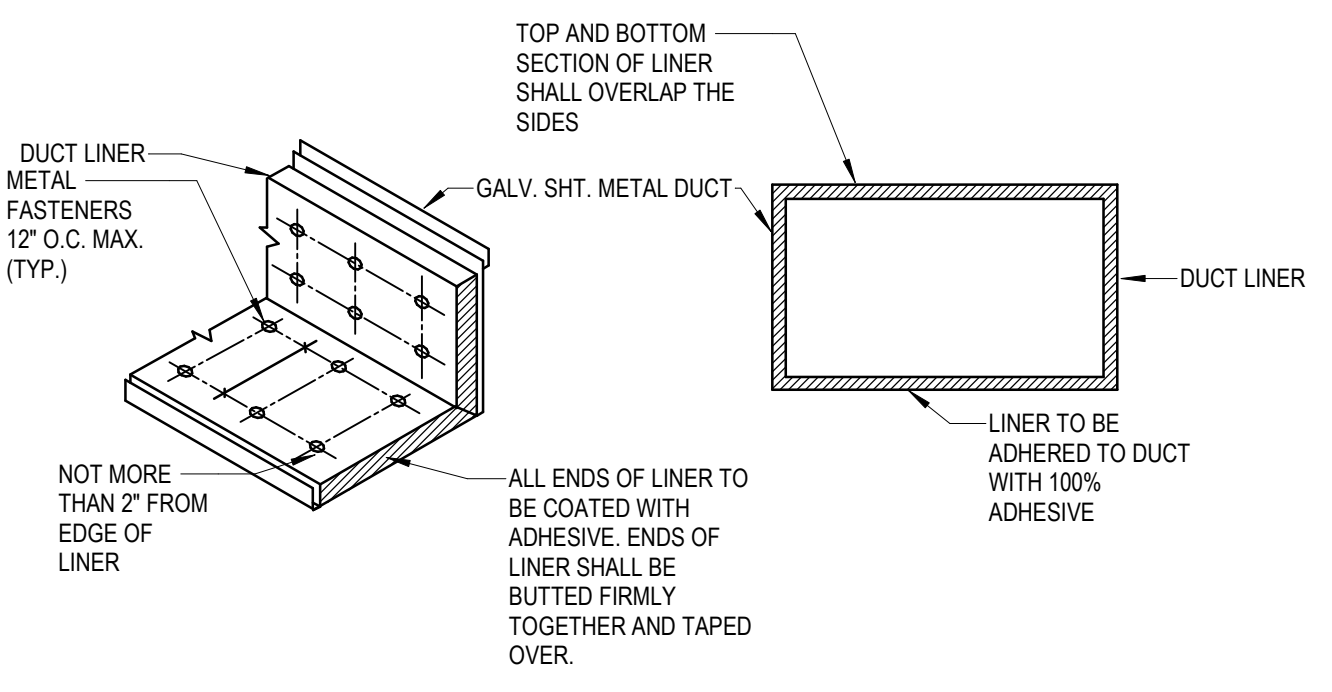
7 ROUND DUCT ELBOWS DETAIL
N.T.S.



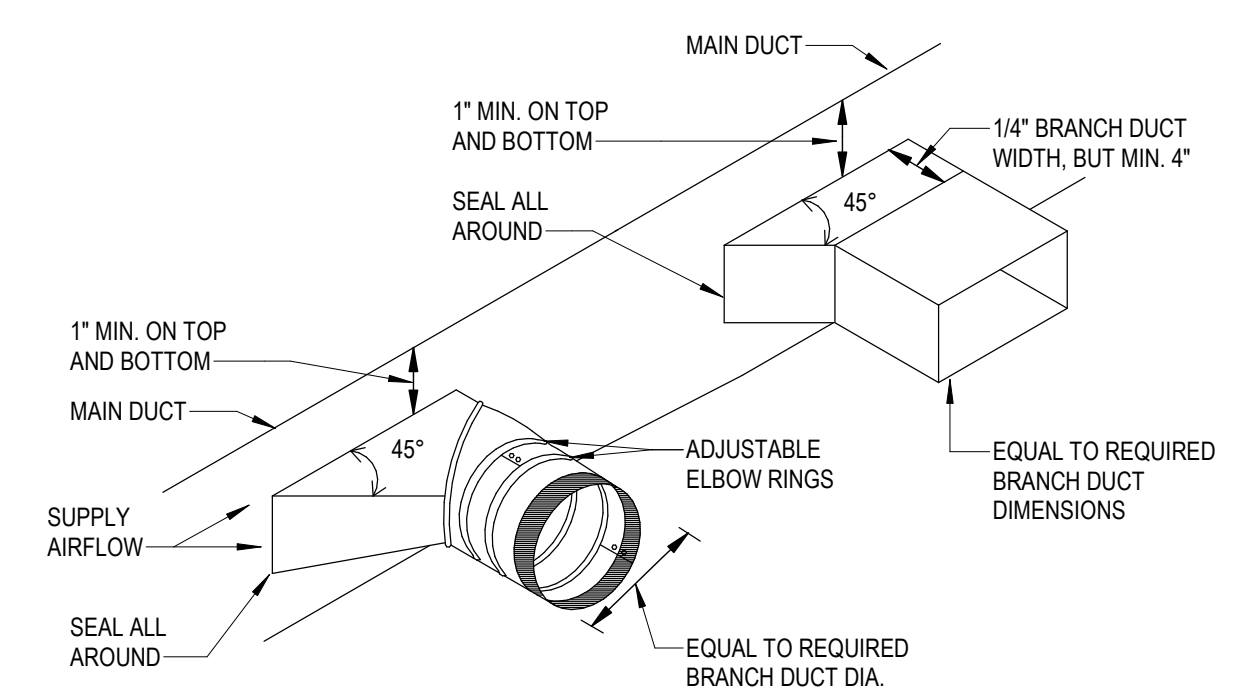
VBFA-033 VAV/VCV TERMINAL UNIT
9 VAV/VCV TERMINAL UNIT 2-WAY CONTROL VALVE PIPING SCHEMATIC DETAIL
N.T.S.



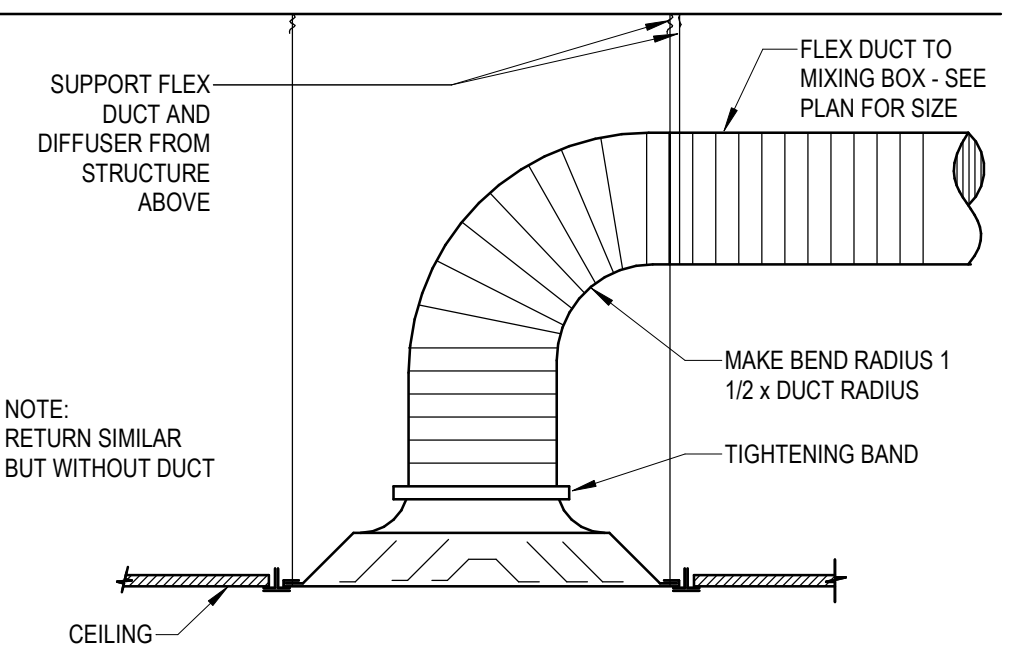
VBFA-034 VAV/VCV TERMINAL UNIT
10 VAV/VCV TERMINAL UNIT 3-WAY CONTROL VALVE PIPING SCHEMATIC DETAIL
N.T.S.



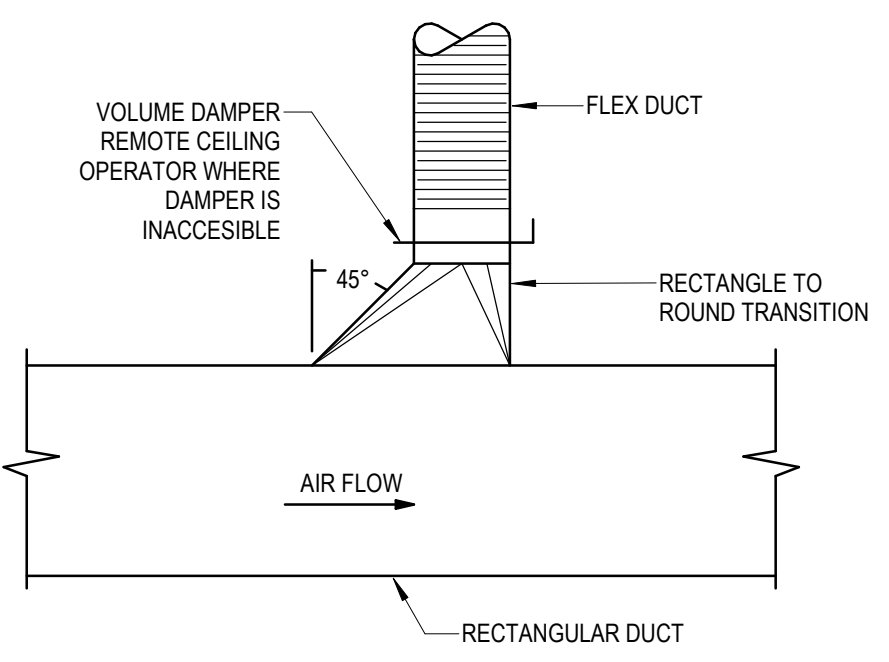
3 RECTANGULAR DUCT LINER DETAIL
N.T.S.



4 TYPICAL BRANCH TAKEOFF FITTING DETAIL
N.T.S.



5 DIFFUSER CONNECTION DETAIL
N.T.S.

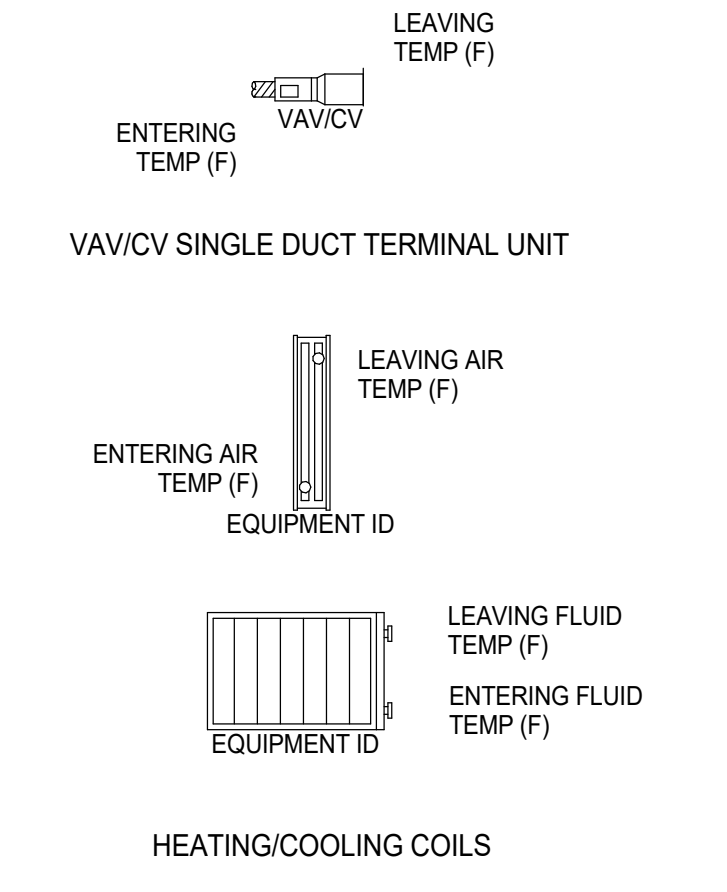


6 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
N.T.S.

PARTIAL LEGEND

- BALL VALVE (PIPE<2")
- CHECK VALVE
- TEMPERATURE AND PRESURE TEST PORT (TTE & PTE)
- FLANGE
- UNION
- STRAINER WITH BLOWDOWN VALVE
- CHECK VALVE
- CURRENT SENSOR
- DESIGN CONNECTOR (NO REQUIREMENTS)
- BASKET STRAINER
- BALANCING VALVE
- PRESSURE RELIEF VALVE
- VACUUM RELIEF VALVE
- MANUAL AIR VENT
- 3-WAY CONTROL VALVE (BUTTERFLY) - CV
- 2-WAY CONTROL VALVE - CV
- 3-WAY CONTROL VALVE C CV
- THERMAL WELL

PARTIAL EQUIPMENT LEGEND



COIL BRANCH PIPE SIZES

(SEE SCHEDULE FOR FLOW REQUIREMENTS)

0.5"	=	0.0	<	1.6 (GPM)
0.75"	=	0.6	TO	3.5 (GPM)
1.0"	=	3.6	TO	6.3 (GPM)
1.25"	=	6.7	TO	14 (GPM)
1.5"	=	14.1	TO	21 (GPM)
2.0"	=	21.1	TO	42 (GPM)
2.5"	=	42.1	TO	66 (GPM)
3.0"	=	66.1	TO	120 (GPM)
4.0"	=	120.1	TO	240 (GPM)
6.0"	=	240.1	TO	600 (GPM)
8.0"	=	600.1	TO	1000 (GPM)
10.0"	=	1000.1	TO	1600 (GPM)
12.0"	=	1600.1	TO	2400 (GPM)



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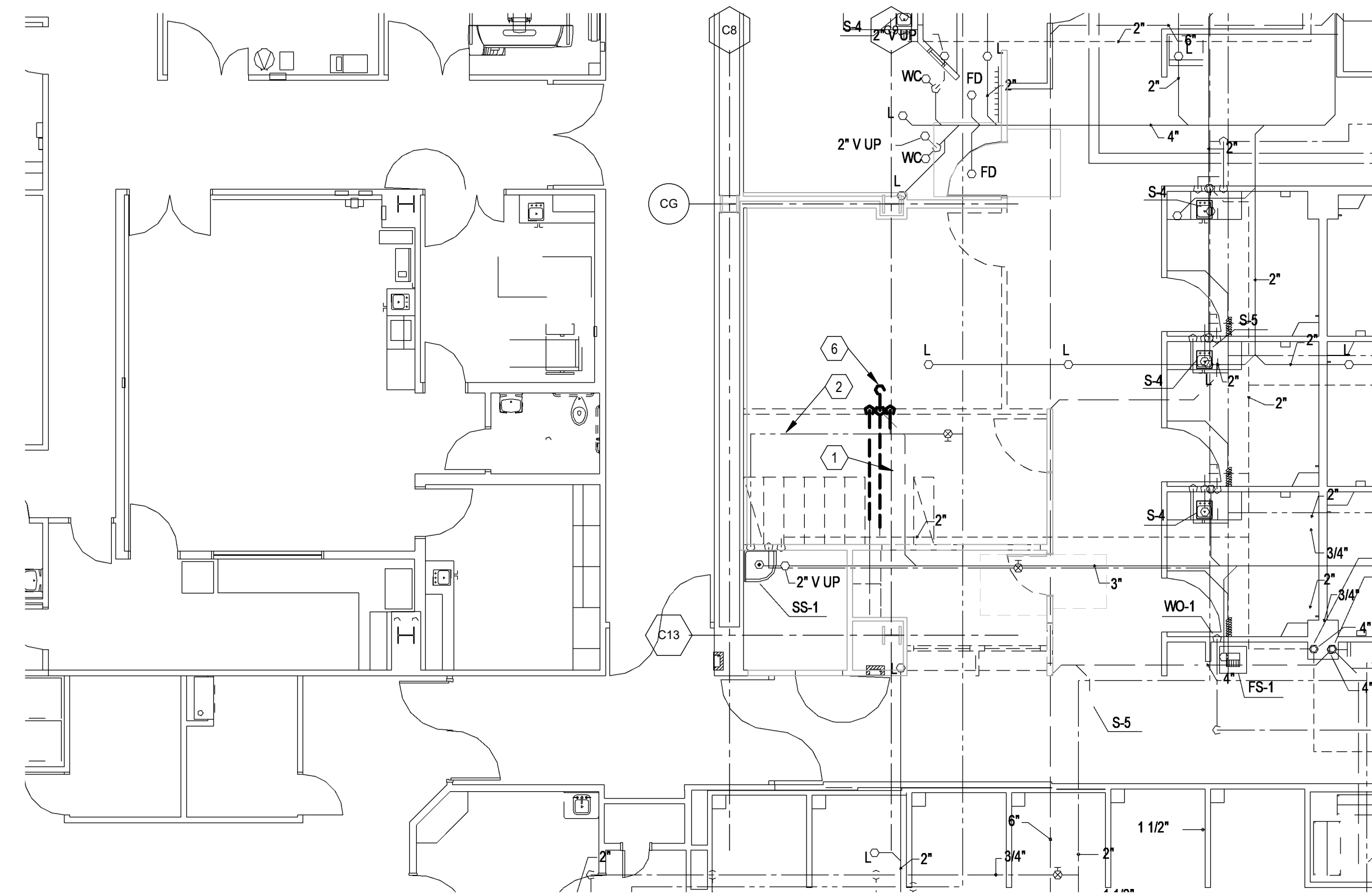
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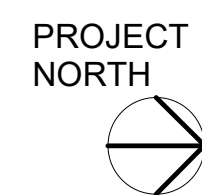
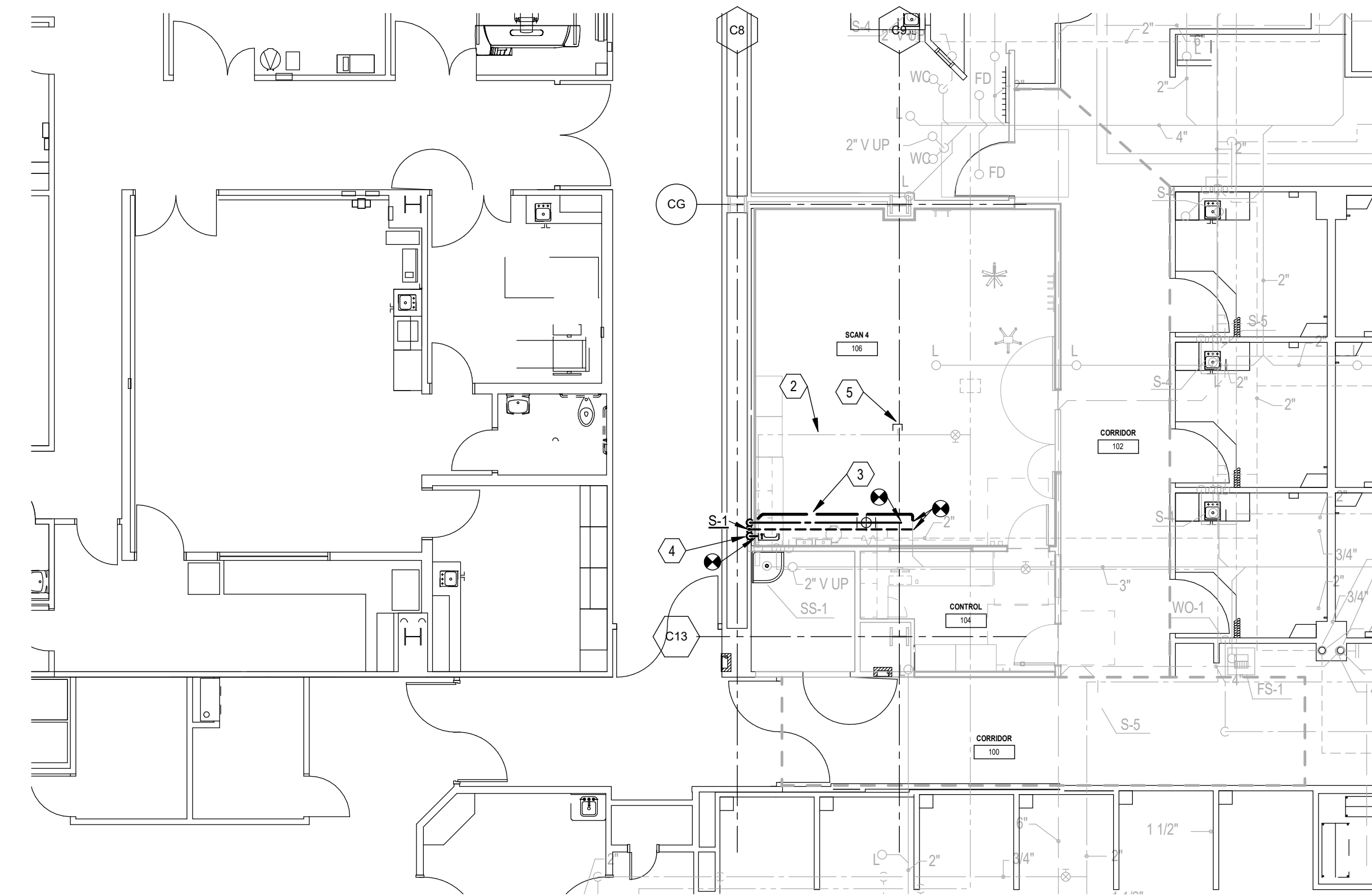


KEYED NOTES

- EXISTING ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED, TYPICAL.
- EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.
- COORDINATE WORK IN LOWER LEVEL 2 WITH OWNER.
- PROVIDE SHUT OFF VALVE ON DOMESTIC HOT WATER LINE.
- VALVE AND CAP EXISTING BRANCH.
- DEMOLISH EXISTING PLUMBING LINES THAT WERE INSTALLED IN THE SHELLED SPACE FOR A FUTURE SINK.



1 PLUMBING DEMO PLAN LEVEL 1
1/8" = 1'-0"



2 PLUMBING PLAN LEVEL 1
1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	DESCRIPTION	SPECIFICATION
S-1	SINK	1/2	1/2	1-1/2	1-1/2	INTEGRAL SINK, GOOSENECK FAUCET WITH WRISTBLADES	SINK: INTEGRAL SINK SPECIFIED BY ARCHITECT INSTALL SINK SO THAT FAUCET DOES NOT LAND DIRECTLY ON DRAIN. CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, 8" GN8 RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. FLEXIBLE STAINLESS STEEL SUPPLIES WITH 1/4 TURN ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEANOUT PLUG.

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PP1.01

Intermountain Medical Center ED CT -Imaging Project

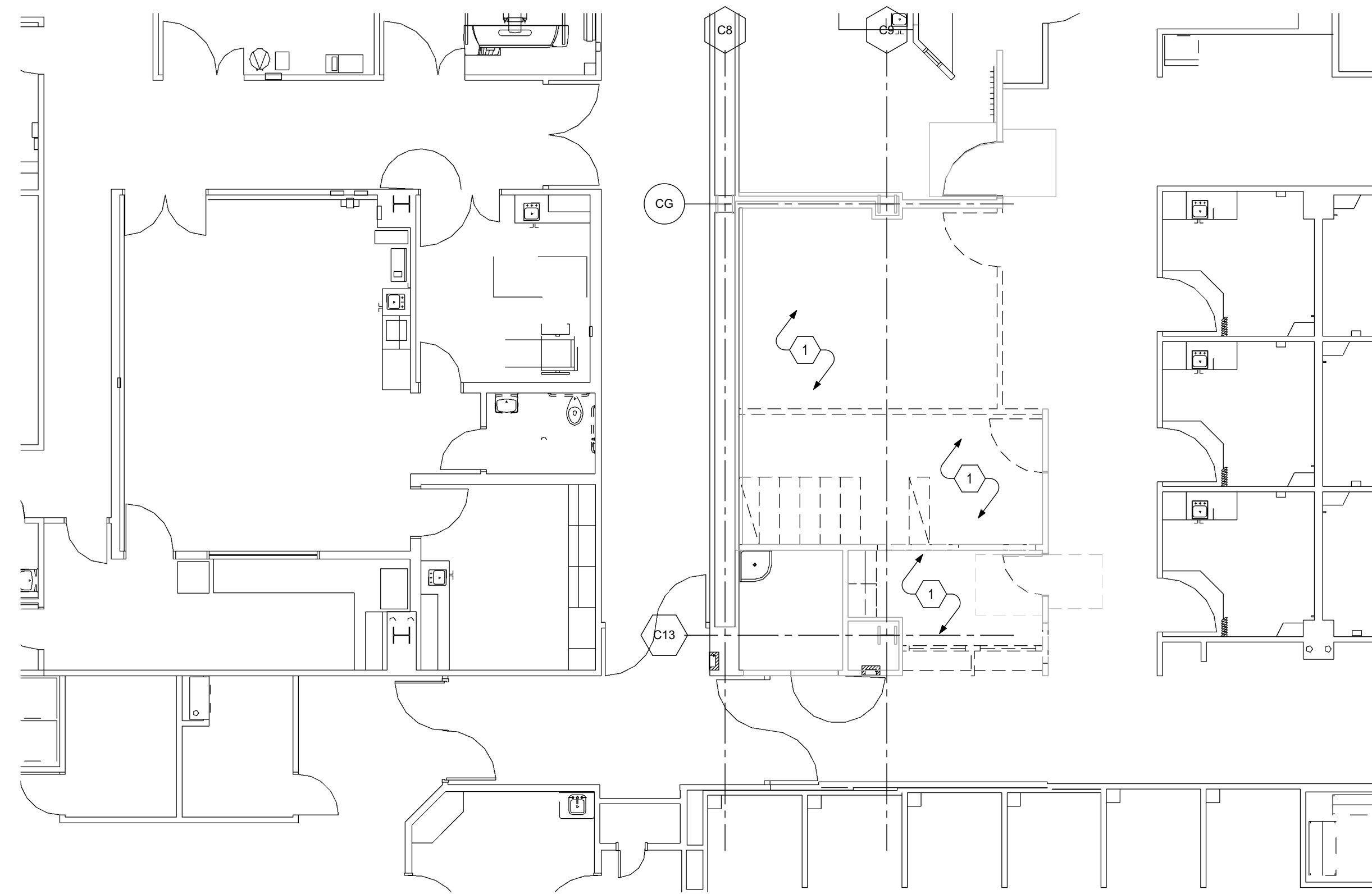
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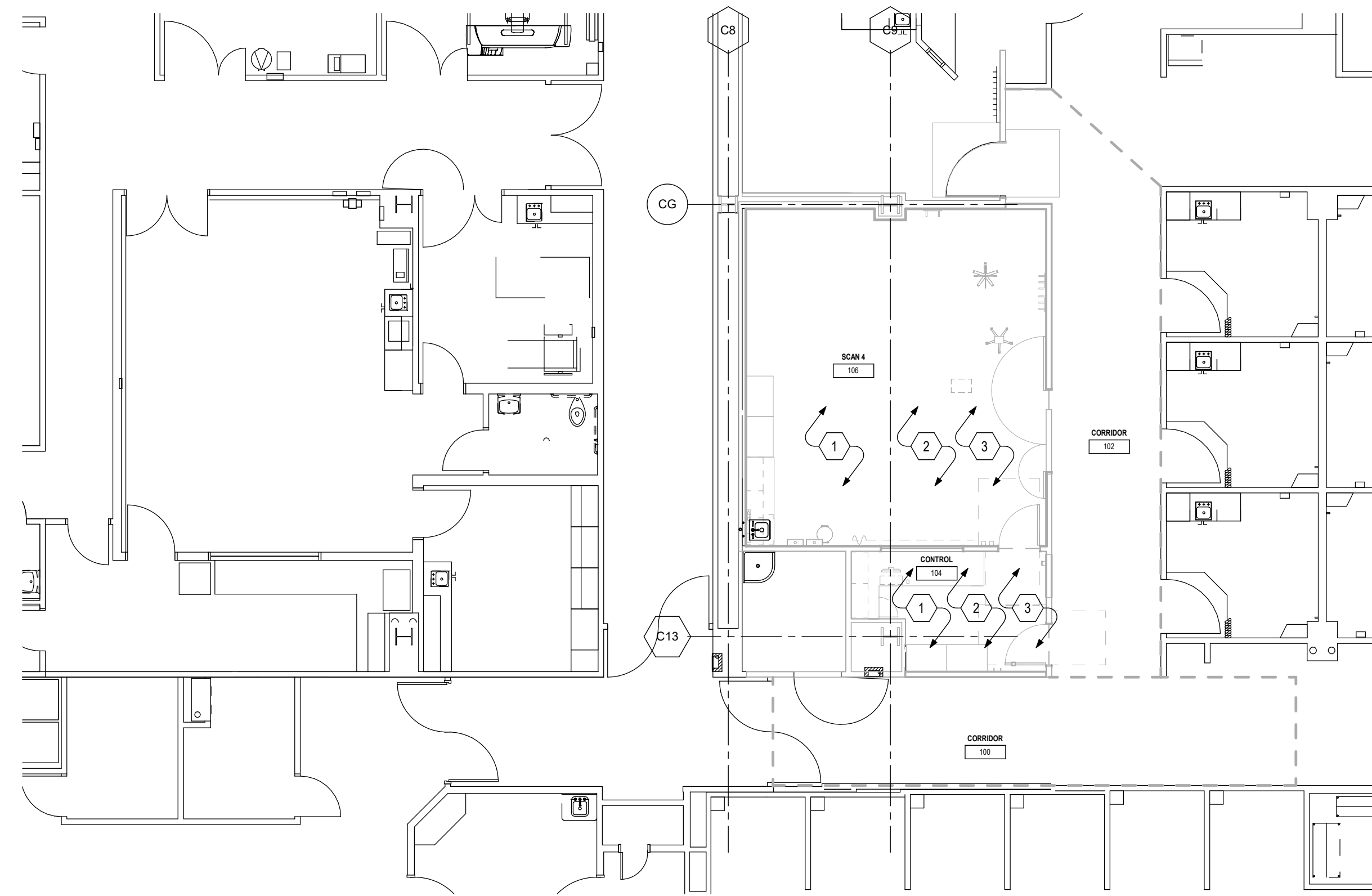


KEYED NOTES

1. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE. INCLUDING NEW FLOOR PLAN, CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS. MODIFY SPRINKLER PIPING AS REQUIRED. TYPICAL. REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.
2. ALL SPRINKLERS IN THE REMODELED AREA ARE TO BE REPLACED WITH QUICK RESPONSE TYPE, FLAT PLATE CONCEALED TO MATCH THE RATING OF SPACE. REPLACEMENT OF SPRINKLERS SHALL EXTEND TO ALL WALLS OR SOFFIT BREAKS. TYPICAL FOR ENTIRE SCOPE OF WORK. REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.
3. FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2016 REQUIREMENTS. TYPICAL FOR ENTIRE SCOPE OF WORK.



PROJECT NORTH
1 FIRE PROTECTION DEMO PLAN LEVEL 1
 1/8" = 1'-0"



PROJECT NORTH
2 FIRE PROTECTION PLAN LEVEL 2
 1/8" = 1'-0"

REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
24531.000

DATE
7/9/2021

ISSUE
CONSTRUCTION DOCUMENTS
FIRE PROTECTION PLANS

SHEET NO.
FP1.01

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR. AS INDICATES DETAIL NUMBER. E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR. AS INDICATES ELEVATION OR SECTION NUMBER. E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR. AS 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.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE.
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE.
WIRING METHODS	
	WIRING.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #10 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	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. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = : CATV = CABLE TELEVISION NC = NURSE CALL CCTV = CLOSED CIRCUIT TV = POWER TELEVISION RC = RIGID CONDUIT FA = FIRE ALARM S = SOUND FO = FIBER OPTICS T = TELEPHONE I = INTERCOM TV = TELEVISION
OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.	
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT (CC) SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
	CABLE TRAY ABOVE ACCESSIBLE CEILING.
	WIREWAY.
	EARTH GROUND (ONE-LINE DIAGRAM).
	JUNCTION BOX, CEILING.
	LADDER RACK.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
LIGHTING	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY BACK, CONNECTED TO GENERATOR AS INDICATED. (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE, CEILING MOUNTED
	EXIT SIGN: SINGLE FACE, WALL MOUNTED
	EXIT SIGN: DOUBLE FACE, CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE, WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	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 DIMMING CONTROLLER
	DIGITAL PLUG LOAD CONTROLLER
	DIGITAL LIGHTING ROOM CONTROLLER
	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
TV DISTRIBUTION	
	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
	TV DISTRIBUTION CABLE, TRUNK.
	DIRECTIONAL COUPLER.
	TV OUTLET.
	SATELLITE ANTENNA.
	TV ANTENNA (ONE-LINE DIAGRAM).
	TERMINATOR, 75 OHM (TV DISTRIBUTION).

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 WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX, WEATHERPROOF: 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 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 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.
	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, DRYER: NEMA 14-30R.
	RECEPTACLE, RANGE: NEMA 14-50R.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
	DROP CORD. SEE DETAIL.
	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	POWER POLE. "P" 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).
	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
	SWITCH, MOMENTARY.
	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, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
STRUCTURED CABLING IHC	
	IHC COMMUNICATIONS DEVICE (1 DATA).
	IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
	IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
	IHC COMMUNICATIONS DEVICE (2 DATA).
	IHC COMMUNICATIONS DEVICE (3 DATA).
	IHC COMMUNICATIONS DEVICE (4 DATA).
	IHC COMMUNICATIONS DEVICE (6 DATA).
	IHC COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA).
	IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).
TECHNOLOGY SYSTEMS	
	TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS. EXAMPLES: C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN I = INSULATED M = MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM Z = SPEAKER CABLE, 8 OHM SYSTEM
	CONTROL CABLE
	GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN
	INSULATED
	MICROPHONE CABLE
	SPEAKER CABLE, 70 VOLT SYSTEM
	SPEAKER CABLE, 8 OHM SYSTEM
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER: NUMBER INDICATES kVA.
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, UNFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (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 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).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	METER.
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER: NUMBER INDICATES kVA.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
FIRE ALARM	
	FIRE SYSTEM ANNUNCIATOR.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	FIRE ALARM NOTIFICATION POWER SUPPLY.
	FIRE ALARM TRANSPONDER OR TRANSMITTER.
	SMOKE CONTROL PANEL.
	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY. INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	MAGNETIC DOOR HOLDER.
	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, ACCESSIBLE.
	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, HANDSET.
	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, JACK.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	DETECTOR, HEAT.
	STROBE.
	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, WEATHERPROOF.
	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, CHIME/STROBE, ONE ASSEMBLY.
	ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.
	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.
	SPEAKER, EVACUATION.
	SPEAKER, EVACUATION, COMBINATION STROBE.
	DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	DETECTOR, TAMPER SWITCH WITH VALVE. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	SMOKE DAMPER.
	FIRE AND SMOKE DAMPER.
	BELL (GONG).
	DETECTOR, CARBON MONOXIDE.
	DETECTOR, SMOKE/STROBE, RESIDENTIAL.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
NURSE CALL	
	JUNCTION BOX.
	CORRIDOR LIGHT.
	BATHROOM PULL CORD STATION.
	DUTY STATION.
	EMERGENCY ASSISTANCE CALL STATION.
	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
	PATIENT STATION.
	STAFF STATION.
	TOUCH SCREEN NURSE CALL MASTER STATION.
	ZONE LIGHT CONTROLLER.
	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
SECURITY	
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
	ACCESS CONTROL HEADEND EQUIPMENT.
	SECURITY CONTROL PANEL.
	INTRUSION DETECTION HEADEND EQUIPMENT.
	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.
	KEYPAD/CARD READER COMBINATION.
	DOOR SWITCH, BALANCED MAGNETIC CONTROL.
	EXIT REQUEST.
	PANIC DURESS SWITCH.

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2WC	TWO-CONDUCTOR
2WAY	TWO-WAY
3WC	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
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
CFMR	CIRCUIT BREAKER
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/CI	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
DBA	UNIT OF SOUND LEVEL
DPT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF EQUIPMENT
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FVNR	FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR
FVR	GENERATOR
GEN	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT PROTECTION
GFP	GROUND
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPP	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
I/O	INPUT/OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INIS	INSULATED/ ISOLATED
IR	INFURRED
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LPMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
MC	MINIMUM CIRCUIT AMPS
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
MIN	MINIMUM
NL	NIGHT LIGHT
NLO	NIGHT LIGHTS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MASTER ANTENNA TELEVISION SYSTEM
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
OC	OVER CURRENT PROTECTION
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCF	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/CI	OWNER FURNISHED/ OWNER INSTALLED
OPF	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PL	PULL BOX
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE AND RELOCATE
S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SF	SQUARE FOOT (FEET)
SBFA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW SWITCH
SPEC	SPECIFICATION
SPST	SINGLE POLE, SINGLE THROW SWITCH
ST	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
W	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL ELECTRICAL NOTES	
1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, DISCREPANCIES, OR DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC. SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT, WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR. THE MOST STRINGENT WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.	
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM. A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT. B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER. C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.	
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.	
4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED, JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.	
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.	
6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE A/E.	
DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE	

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.
 - 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 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.

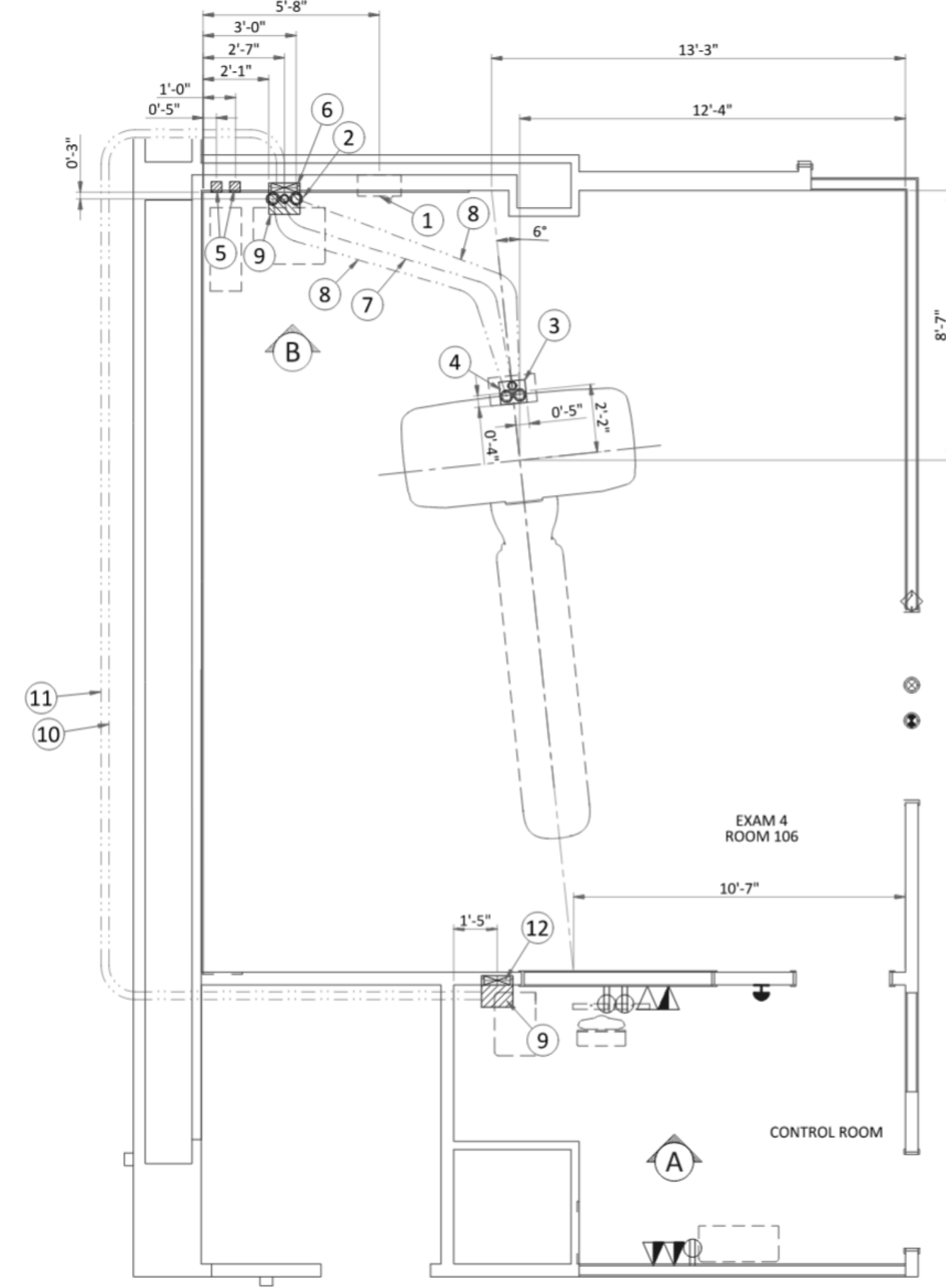
CONNECTIVITY REQUIREMENTS

Broadband Connections are necessary during the installation process and going forward to ensure full support from the Engineering Teams for the customers system. Maximum performance and availability for the customers system is maintained and closely monitored during the lifetime of the system.

Proactive and reactive maintenance is available utilizing the wide range of digital tools using the connectivity solutions listed below:

- Site-to-Site VPN/GE Solution
- Site-to-Site VPN/Customer Solution
- Connection through Dedicated Service Network
- Internet Access - connectivity for InSite 2.0

The requirements for these connectivity solutions are explained in the broadband solutions catalogue (separate document).



ITEM	DESCRIPTION
1	Main disconnect panel
2	Suitable bushings & lock nuts for PDU
3	Suitable bushings & lock nuts for Gantry
4	Area at gantry for conduit stub ups/terminations
5	4" x 4" x 4" box for partial UPS
6	10" x 3 1/2" flush wall duct in exam room
7	2 1/2" conduit below floor
8	3 1/2" conduit below floor
9	Box above ceiling in exam room, size as required
10	3 1/2" conduit above ceiling
11	2 1/2" conduit above ceiling
12	10" x 3 1/2" flush wall duct in control room
13	Box above ceiling in control, size as required

ITEM	QTY	Outlet Legend for GE Equipment
▲	1	System emergency off (SEO), (recommended height 1.2m [48"] 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 Main Disconnect	1	As req'd As req'd
1 Main Disconnect	9 Power Distribution Unit	1	1/2 13
9 Power Distribution Unit	Door Switch	1	1/2 13
	Warning Light Control	1	1/2 13
Warning Light		1	1/2 13
1 Phase Power		1	1/2 13
1 Main Disconnect Panel	5 UPS	1	1 1/4 30
6 Power Distribution Unit		1	2 50

POWER REQUIREMENTS

POWER SUPPLY	3 PHASES+G 380/400/420/440/460/480 V ± 10%
FREQUENCIES	50/60 Hz ± 3 Hz
MAXIMUM POWER DEMAND	150 kVA
AVERAGE (CONTINUOUS) POWER DEMAND	11 kVA
POWER FACTOR	0.85

- Power supply should come into a power distribution box (PDB) containing the protective units and controls.
- 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 separate 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.
 - Phase imbalance 2% maximum.
 - Transients must be less than 1500V peak. (on a 400V line)

- GROUND SYSTEM**
- System of equipotential grounding.
 - 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 system units are located.

- CABLES**
- Power and cable installation must comply with the distribution diagram.
 - All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
 - The cables from signaling 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.

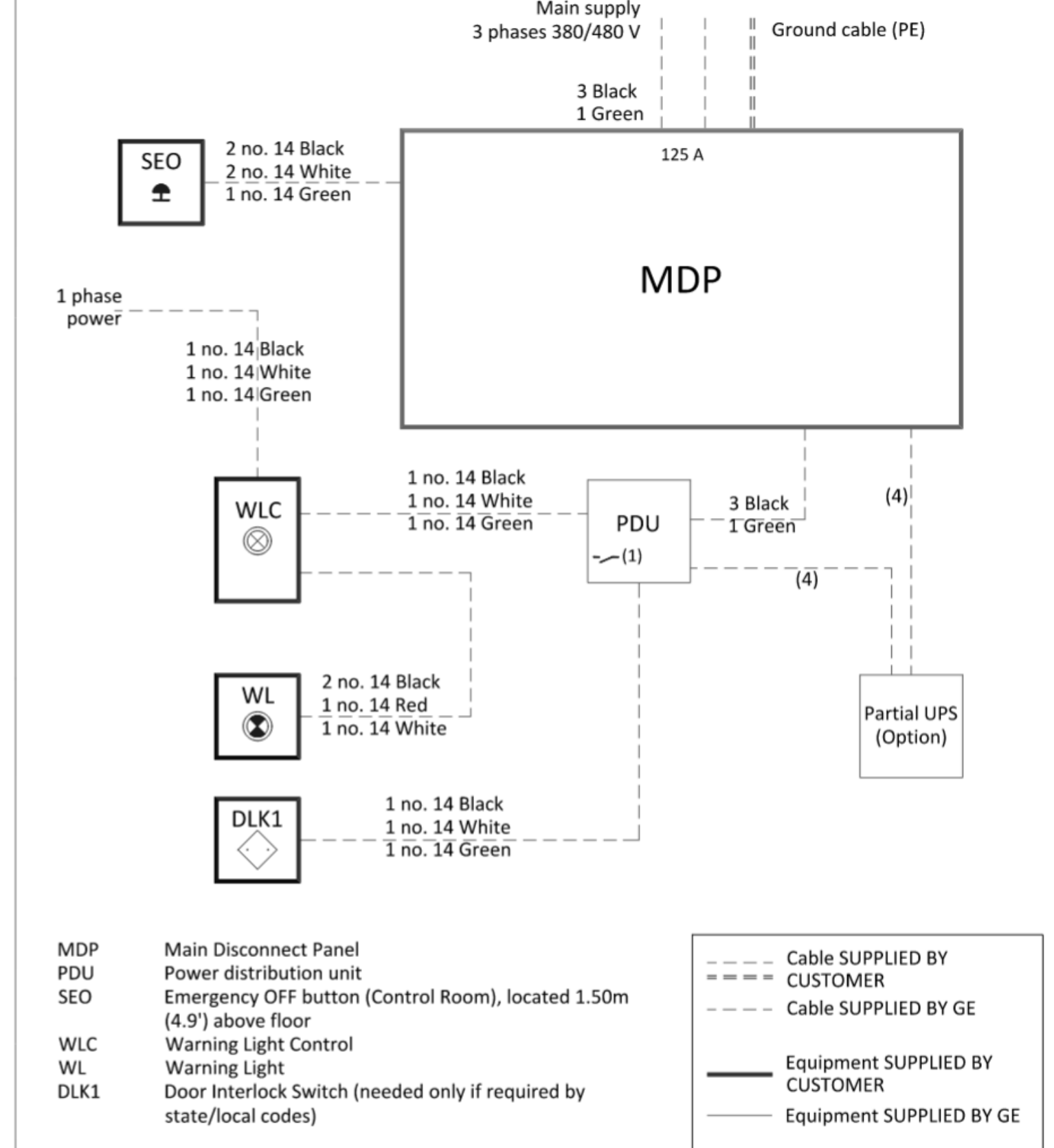
MIN. FEEDER WIRE SIZE, AWG OR MCM (sq. mm)/MCM	MINIMUM FEEDER WIRE LENGTH - Ft [m]					
	50 (15)	100 (30)	150 (45)	200 (63)	250 (76)	300 (91)
480 VAC	1 (45)	1 (45)	1 (45)	1 (45)	1/0 (55)	3/0 (70)

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

For a single unit installation, the minimum transformer size is 225kVA, with 2.4% rated regulation at unity power factor. Resultant maximum allowable feeder regulation is 3.4%

Grounding conductor will be a 1/0 minimum. this ground will run from the equipment back to the power source/main grounding point and always travel in the same conduit with the feeders

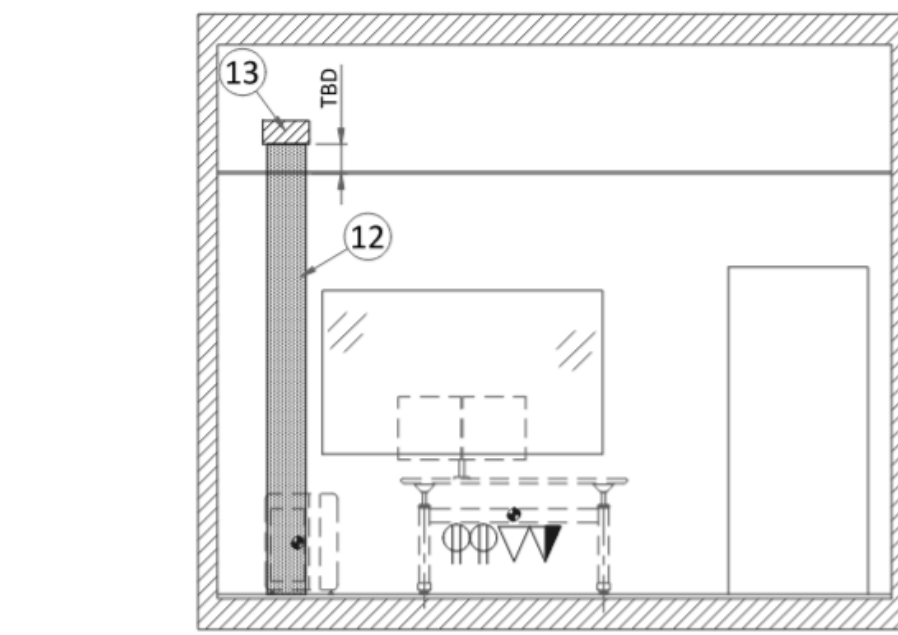
POWER DISTRIBUTION



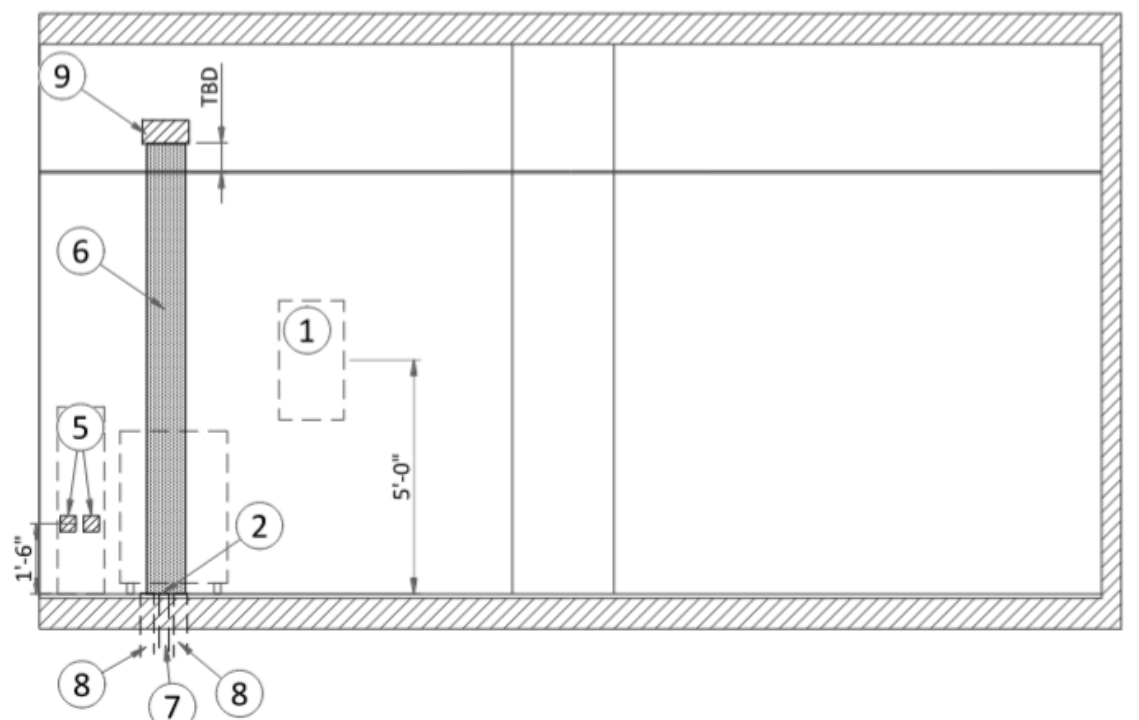
MDP Main Disconnect Panel
PDU Power distribution unit
SEO Emergency OFF button (Control Room), located 1.50m (4.9') above floor
WLC Warning Light Control
WL Warning Light
DLK1 Door Interlock Switch (needed only if required by state/local codes)

--- Cable SUPPLIED BY CUSTOMER
--- Cable SUPPLIED BY GE
--- Equipment SUPPLIED BY CUSTOMER
--- Equipment SUPPLIED BY GE

- Notes :**
- Two dry contacts: "System ON" and "X-Ray ON", both released by PDU. Max. voltage = 30 V. If length < 10 m (32.8')
 - Cable with 2m (6.6') extra length on the floor behind the back of PDU
 - Cable with 2m (6.6') extra length on the floor behind the back of PDU
 - Cable delivered with partial UPS installed by GE (Option)



A



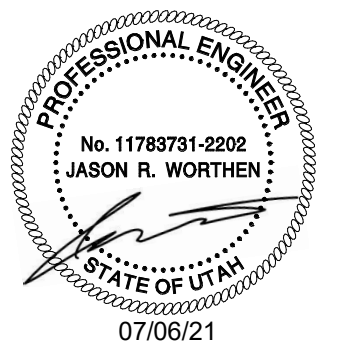
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REVISION	NO.	DESCRIPTION	DATE

**Intermountain Medical Center
 ED CT -Imaging Project**

1111 East 1000 South, Suite 1100, Salt Lake City, UT 84103
 5117 South Cottonwood St, Murray, Utah 84107

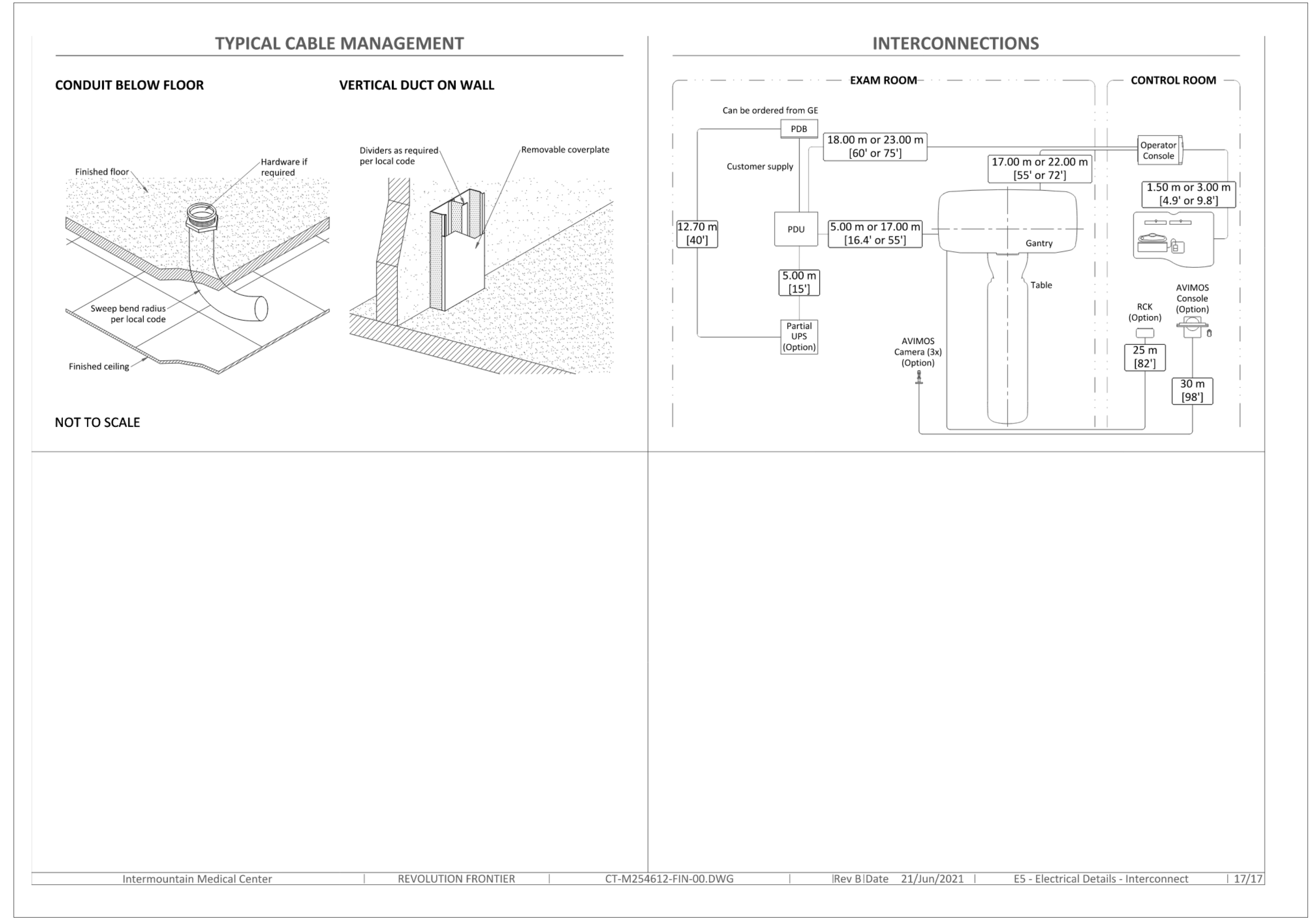
OWNER
 INTERMOUNTAIN HEALTHCARE
 36 SOUTH STATE STREET
 SALT LAKE CITY, UTAH 84111

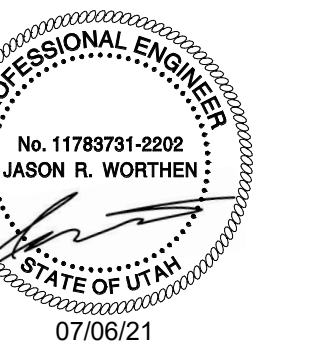


REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
24531.000
 DATE
7/9/2021
 ISSUE
CONSTRUCTION DOCUMENTS
 SHEET TITLE
GE IMAGING DRAWINGS

SHEET NO.
EE702





REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
24531.000

DATE
7/9/2021

ISSUE
CONSTRUCTION DOCUMENTS

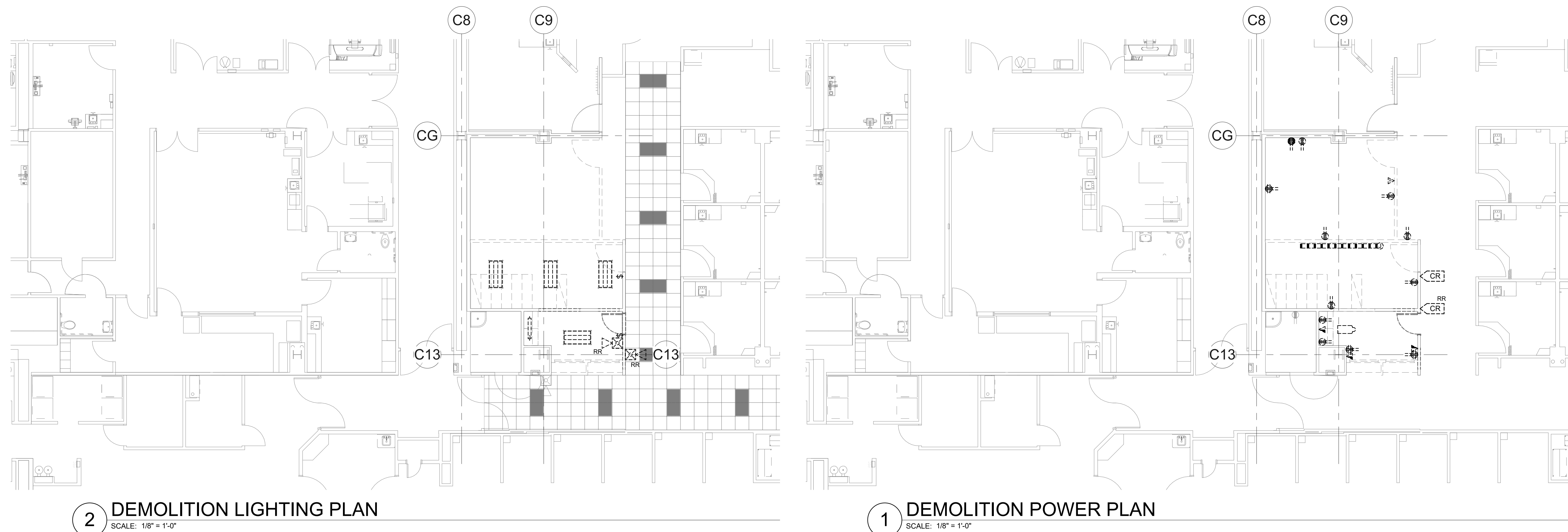
SHEET TITLE
ELECTRICAL DEMOLITION PLANS

SHEET NO.
ED101

GENERAL SHEET NOTES

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

SHEET KEYNOTES



GENERAL SHEET NOTES

- 1 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
- 2 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY CONSTRUCTION.
- 3 ALL RECEPTACLES LOCATED WITHIN 6' OF A SINK SHALL BE GFCI PROTECTED.
- 4 REFER TO VENDOR DRAWINGS FOR ADDITIONAL CONTRACTOR RESPONSIBILITIES.

SHEET KEYNOTES

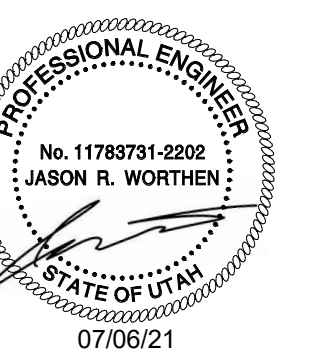
- 1 CIRCUIT WITH THE EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY FED LIGHTING IN THIS AREA.
- 2 CIRCUIT WITH THE 120V RECEPTACLE CIRCUIT IN THE ROOM. REFER TO VENDOR DRAWINGS FOR WIRING TO THE VENDOR EQUIPMENT.
- 3 PANEL CNL1L5C-04 IS LOCATED IN THE ED ELECTRICAL ROOM. RUN LENGTH IS APPROXIMATELY 150'.
- 4 PANEL CS01DM2C IS LOCATED IN THE LEVEL 1 CATH LAB ELECTRICAL CLOSET. RUN LENGTH IS APPROXIMATELY 110'.
- 5 COORDINATE WITH DIVISION 08 FOR ROUGH-IN REQUIREMENTS.
- 6 PROVIDE A 4-11/16" SQUARE JUNCTION BOX WITH 2" CONDUIT RAN TO THE SCAN ROOM FOR THE MEDRAD UNIT.

HKS

ARCHITECT
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SALT LAKE CITY, UT 84101
MECHANICAL ENGINEER
VIFA
181 EAST 9000 SOUTH, SUITE 200
MURRAY, UTAH 84107
ELECTRICAL ENGINEER
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324 SOUTH STATE STREET
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**Intermountain Medical Center
ED CT -Imaging Project**

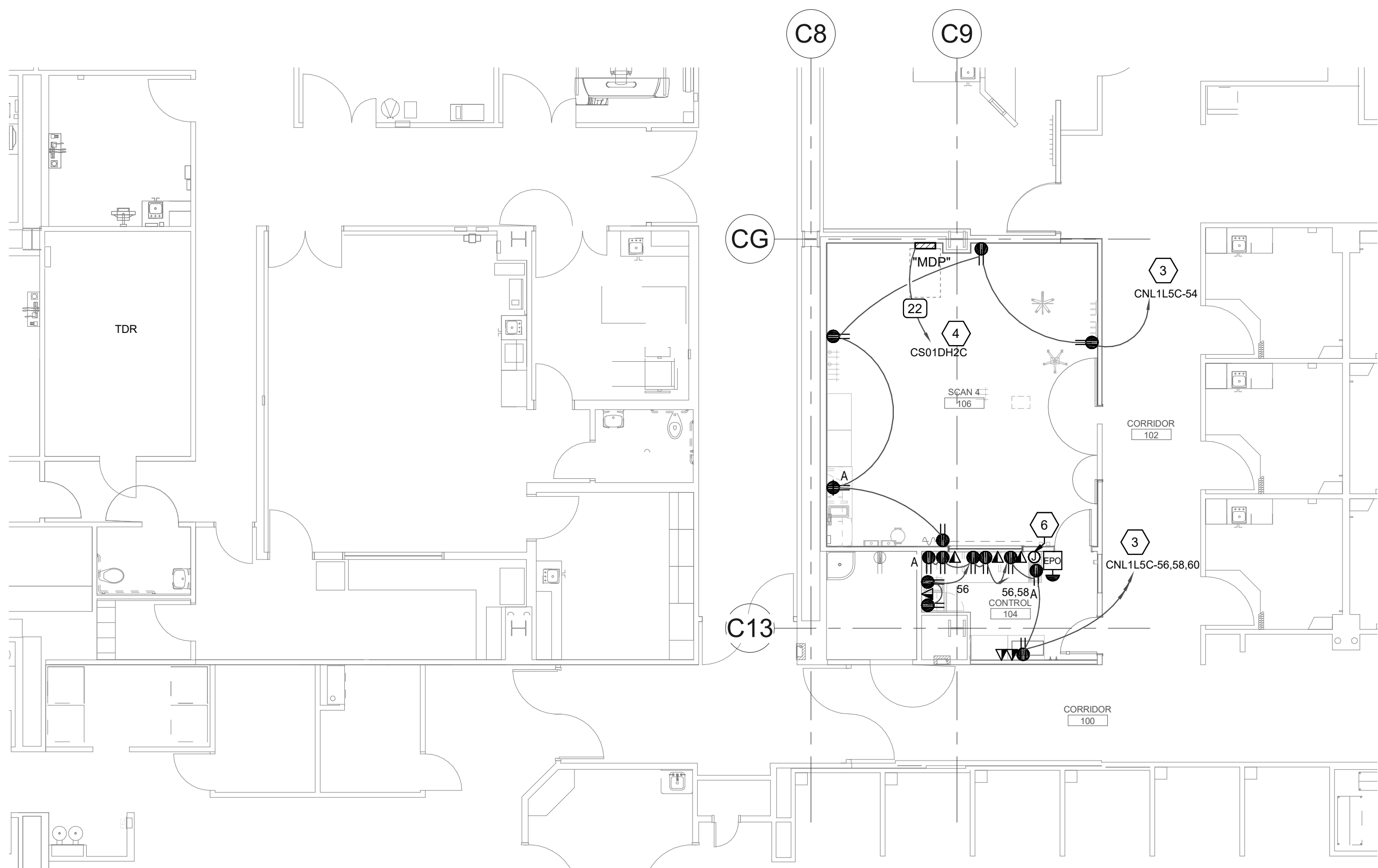
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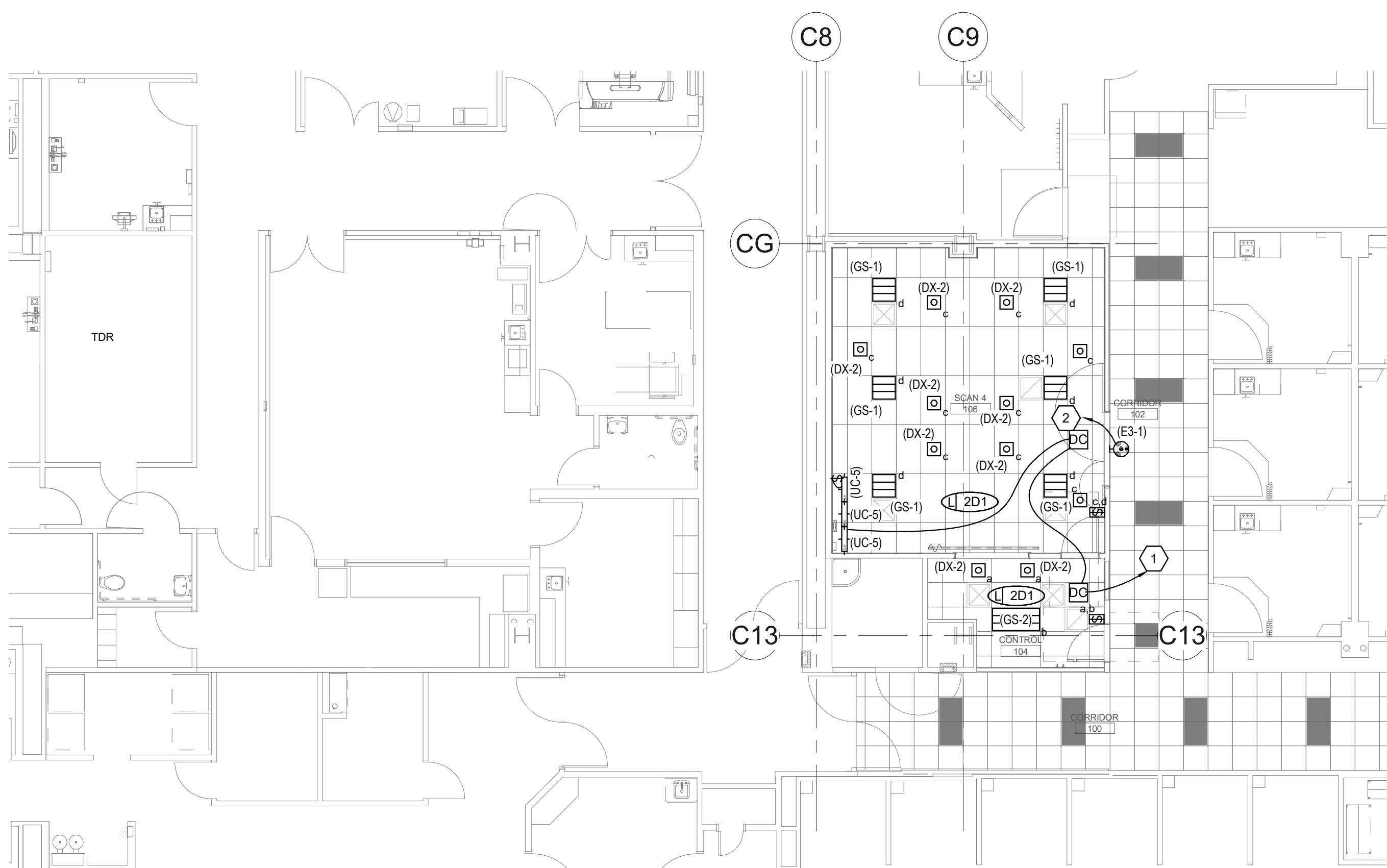
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ELECTRICAL PLANS

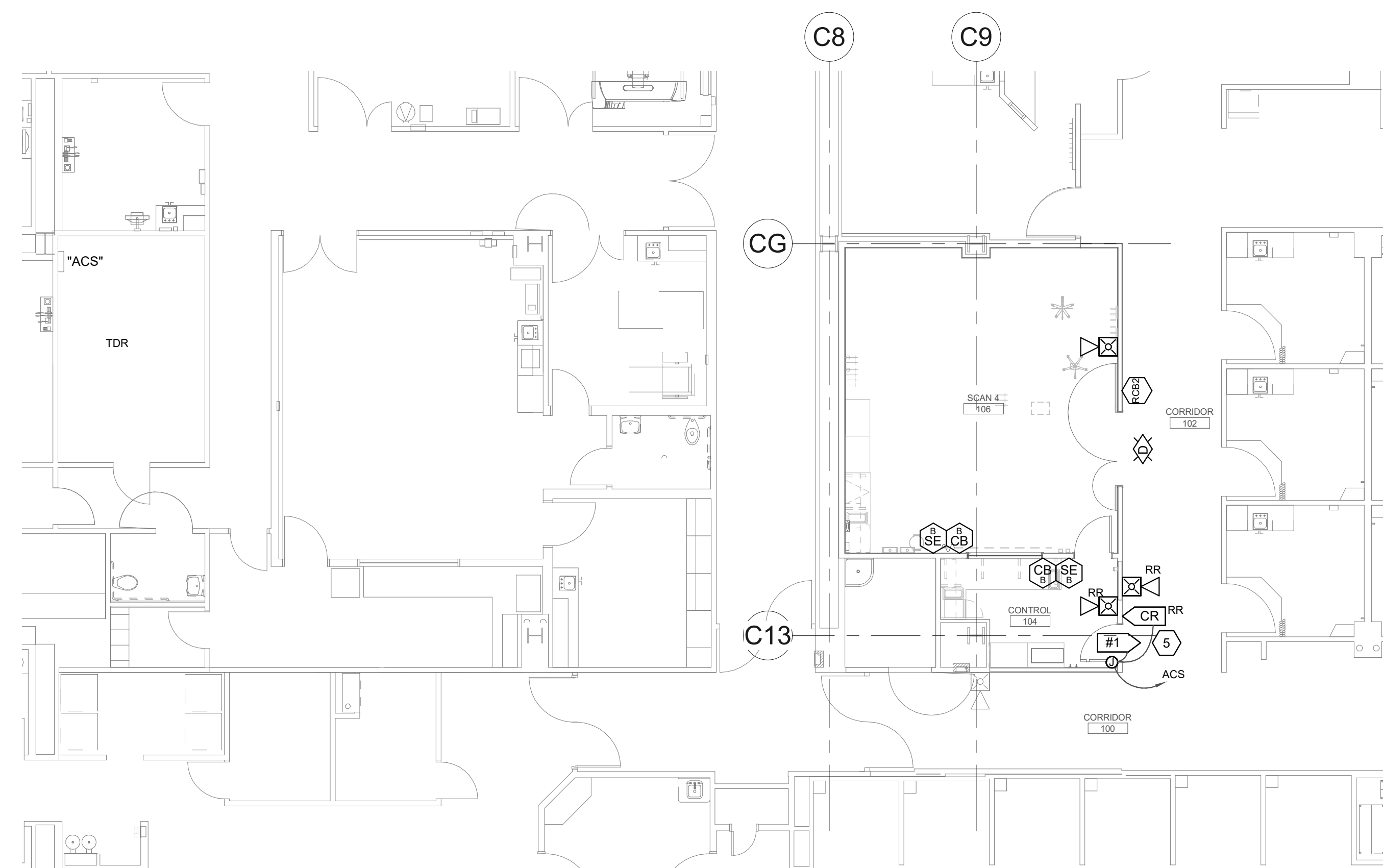
SHEET NO.
EP101



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



2 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



1 AUXILIARY PLAN
SCALE: 1/8" = 1'-0"



SHEET KEYNOTES

- PROVIDE NEW BREAKER IN EXISTING GE PANEL.

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

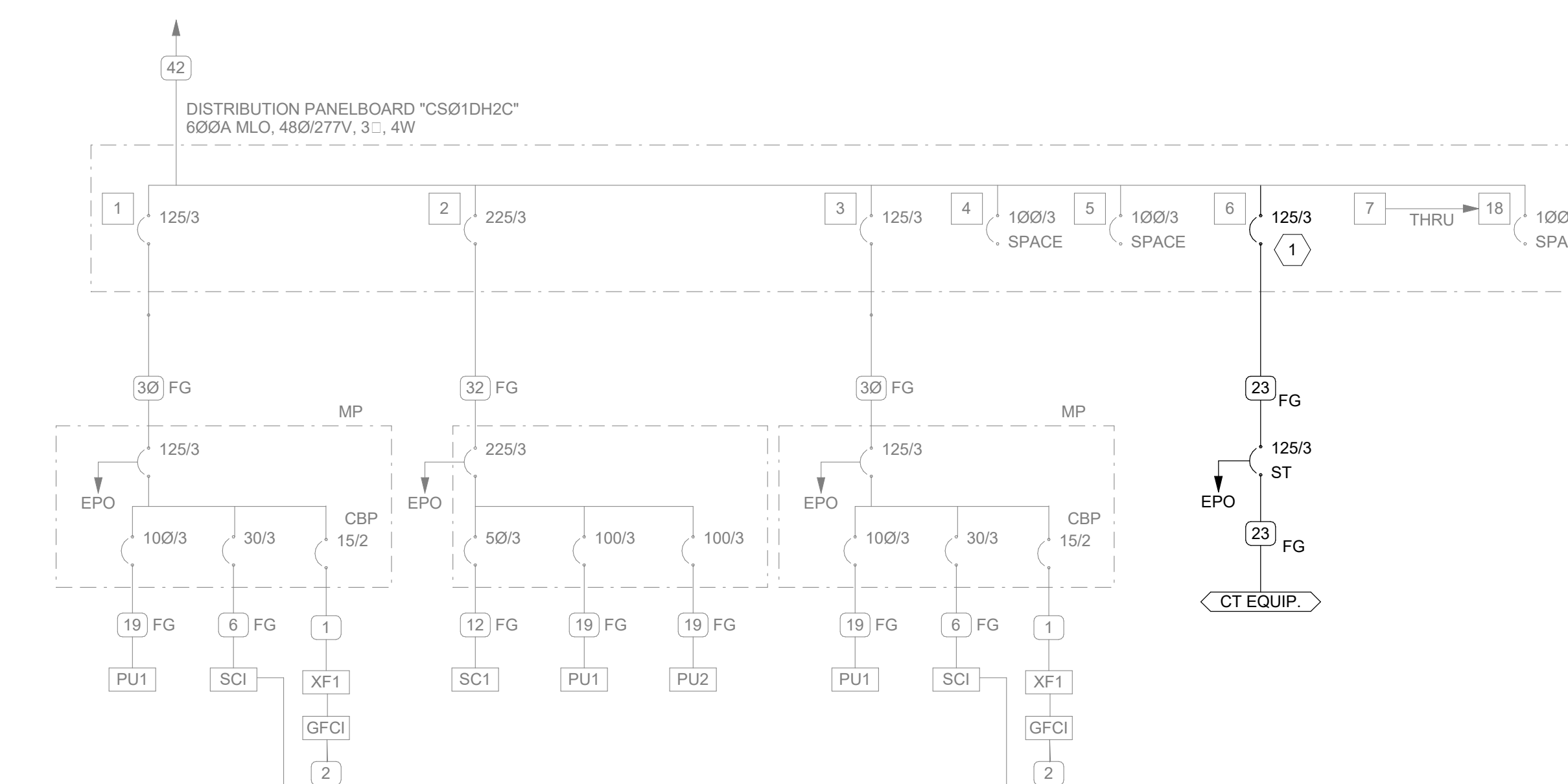
CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	CONDUCTOR SIZE (PHASE, NEUTRAL AND GR)	CONDUIT SIZE
20A/120V	0' - 60'	#12 AWG	0.75" Ø
20A/120V	60' - 95'	#10 AWG	0.75" Ø
20A/120V	95' - 150'	#8 AWG	1" Ø
20A/120V	150' - 240'	#6 AWG	1.25" Ø
20A/277V	0' - 140'	#12 AWG	0.75" Ø
20A/277V	140' - 220'	#10 AWG	0.75" Ø
20A/277V	220' - 350'	#8 AWG	1" Ø
20A/277V	350' - 550'	#6 AWG	1.25" Ø

NOTES:

- WIRE SIZING IS BASED ON COPPER CONDUCTORS SUPPLYING A 20A, 120V CIRCUIT AT THE INDICATED VOLTAGE, ASSUMED TO BE 80% LOADED (16A), WITH MAXIMUM VOLTAGE DROP OF 3% AT THE LOAD.
- DOWN-SIZED WIRE AT DEVICE LOAD AS REQUIRED AND TERMINATE CONDUCTORS IN A SAFE AND CODE COMPLIANT MANNER.
- CONDUIT SIZE IS BASED ON A MAXIMUM OF 3 CIRCUITS PER CONDUIT, EACH WITH A SEPARATE NEUTRAL CONDUCTOR.

CONDUCTOR AND CONDUIT SCHEDULE

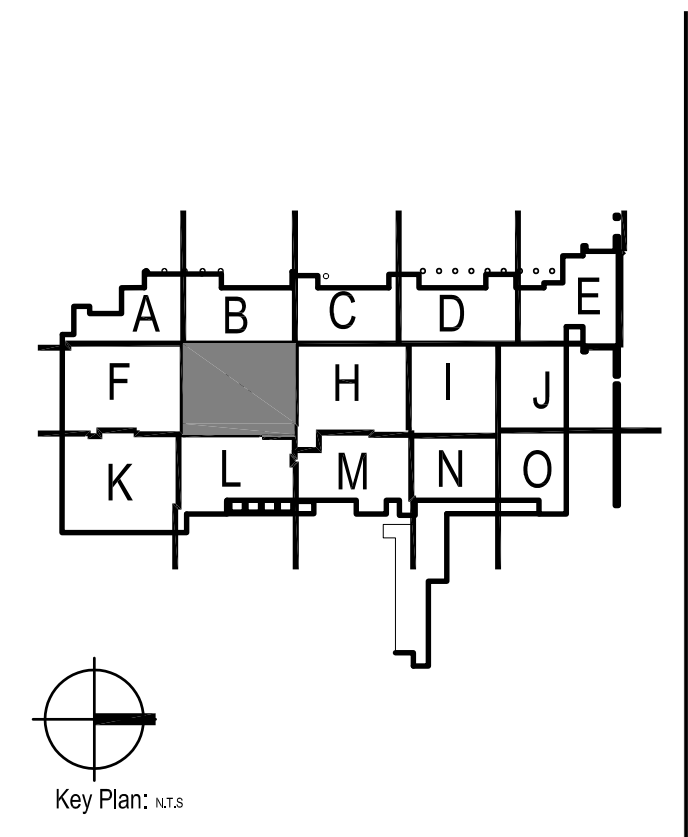
SYM	AMP	CONDUIT SIZE	CONDUCTOR(NOTE 1)			IG	SE	NOTES
			QTY	SIZE	GR			
1	20	.75	2	12	12	12	8	2
2	20	.75	3	12	12	12	8	2,3
3	20	.75	4	12	12	12	8	2,3
4	30	.75	2	10	10	10	8	2
5	30	.75	3	10	10	10	8	2
6	30	.75	4	10	10	10	8	2
7	40	1	2	8	10	8	6	2
8	40	1	3	8	10	8	6	2
9	40	1	4	8	10	8	6	2
10	55	1	2	6	10	8	4	2
11	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 4	4	400	4/0	4/0	4/0	4
54	2010	6 EA 4	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		5 EA 4						6
59		5						6
60		10 EA 4						6



2 NEW ONE LINE DIAGRAM
SCALE: NTS

CONDUCTOR AND CONDUIT SCHEDULE NOTES

- CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 4. 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.
- 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 IGHH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.
 "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH GROUND OF EQUIPMENT GROUND CONDUCTOR.
 "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.



THIS DRAWING IS INCLUDED FOR REFERENCE TO THE LOCATION OF THE ELECTRICAL ROOM WHERE THE NOTED ELECTRICAL CONNECTIONS ARE TO BE MADE

INTERMOUNTAIN MEDICAL CENTER
ANSHEN + ALLEN
 901 Market Street San Francisco, CA 94103 415.882.9500 T 415.882.9523 F

I.M.C.
 Intermountain Medical Center
 5300 South Murray, Utah 84123
 801.442.2889 T
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 Project No 20040.00

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Van Boerum & Frank Assoc.
 330 South 300 East
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 Ogden, UT 84409
 801.394.4515 T (Ogden)
 801.521.0222 T (Salt Lake City)
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Revisions:
 ▲ ADD #0017 02/18/05
 ▲ ADD #0018 03/04/05
 ▲ IB #0063 07/08/05
 ▲ IB #0074 09/09/05
 ▲ IB #0073.2 01/10/06
 ▲ ASBULTS

Date: October 10 2006

Sheet Title
**Power Plan
 Level 1**

Construction Documents
 Scale: 1/4"=1'-0"

Building C
 Level 1 Area G
C-EP4.L01.G

Drawing No. _____