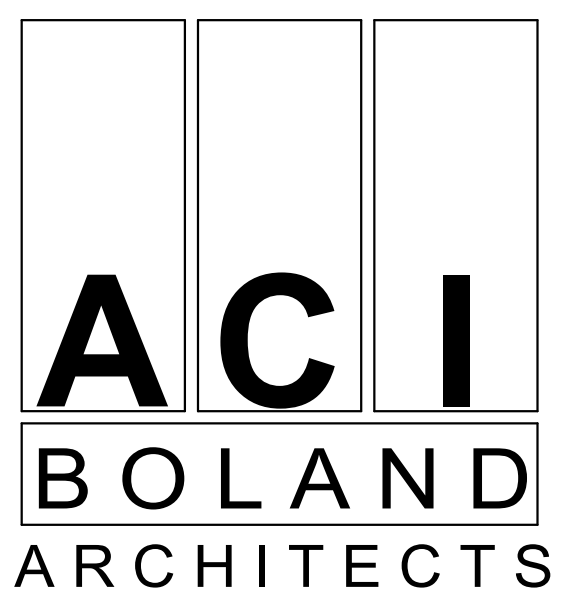


Saint Luke's

EAST HOSPITAL



ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number:
Missouri: #000958

MEP ENGINEER
IMEG Corp.
1600 Baltimore, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number:

PROJECT TEAM

ARCHITECT
ACI BOLAND, INC.

1710 WYANDOTTE STREET
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PHONE 816.763.9600
FAX 816.763.9757

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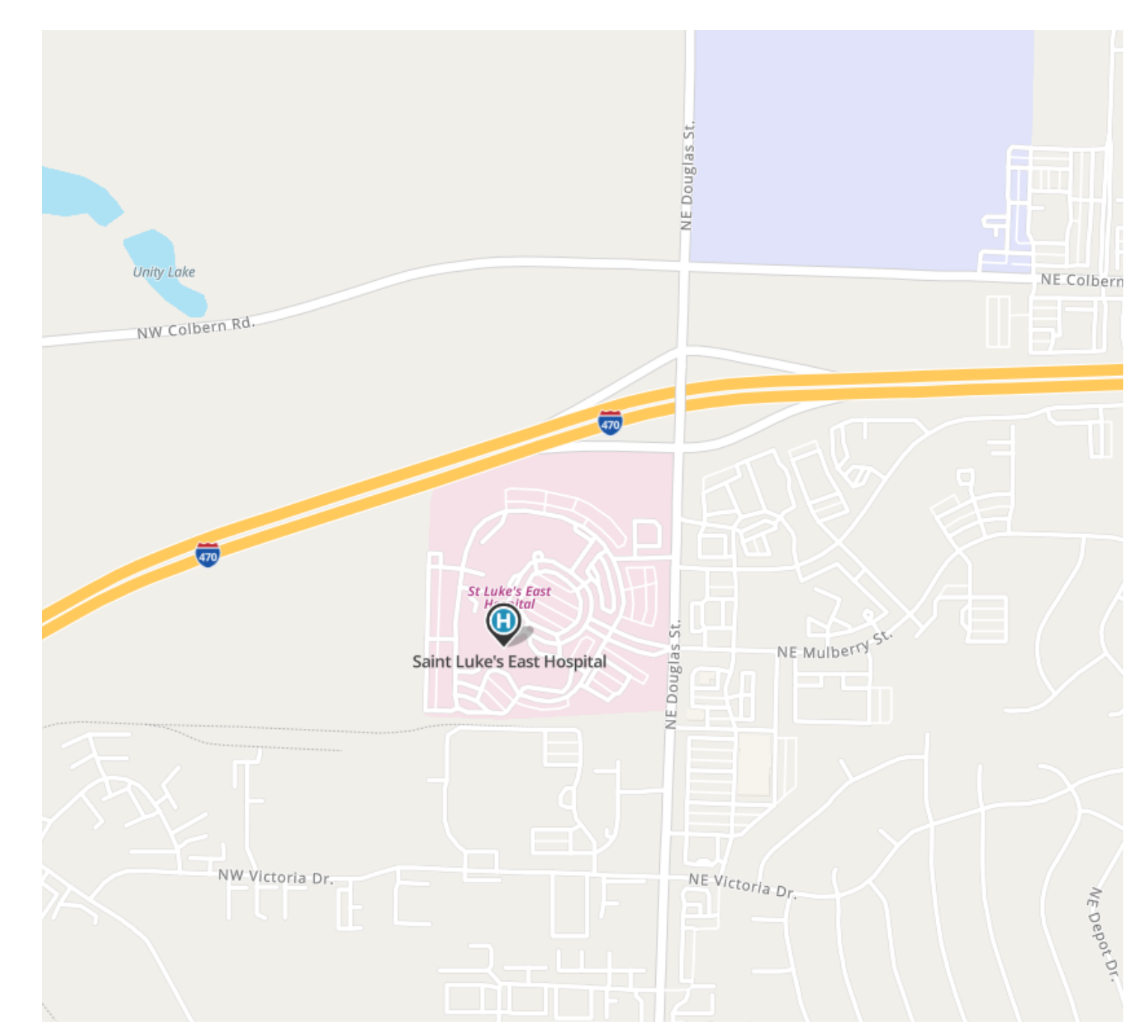
SLE Nuclear Medicine / Spect CT remodel

100 NE Saint Luke's Blvd
Saint Luke's East
Lee's Summit, MO 64086

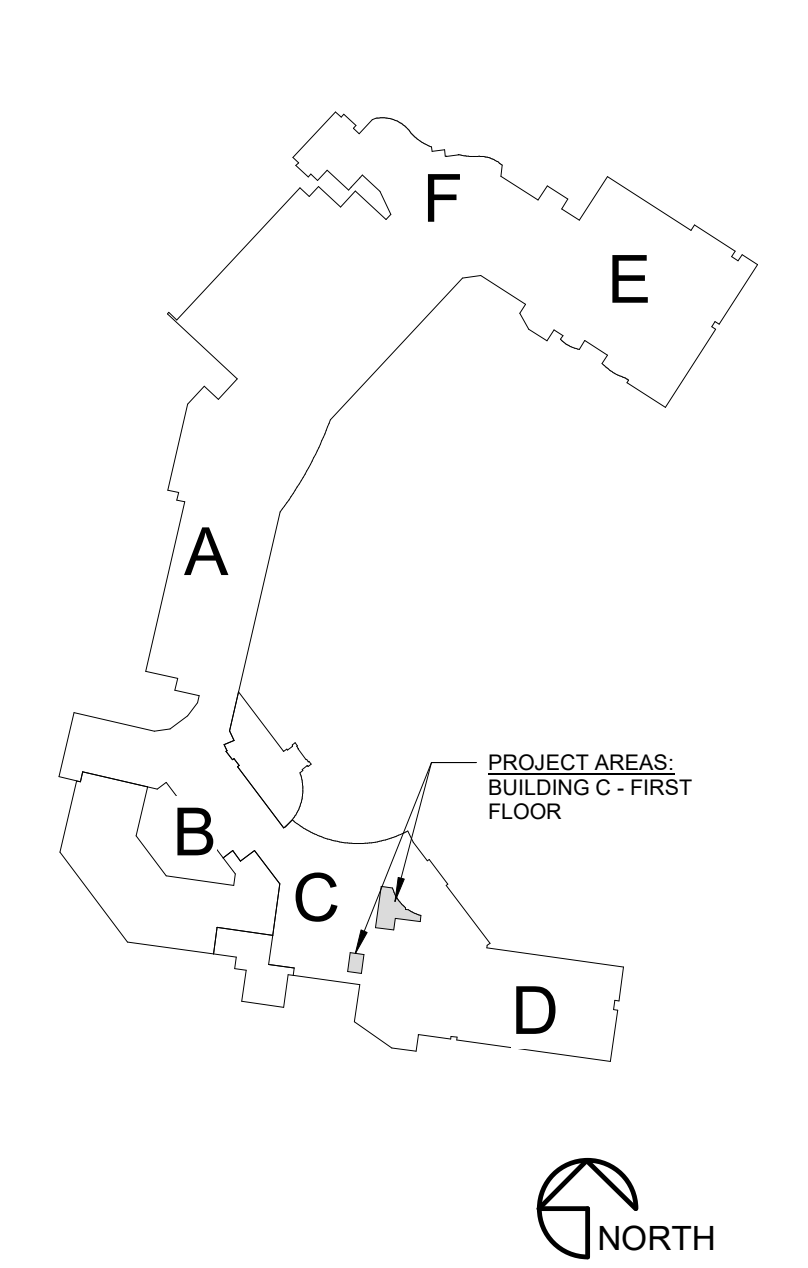
ABBREVIATIONS

AC.	ACOUSTIC/ACOUSTICAL	FLOR.	FLUORESCENT	PTD.	PAINTED
ADD.	ADDENDUM	FTG.	FOOTING	PG.	PAGE
ADDN.	ADDITION	FND.	FOUNDATION	PLAM.	PLASTIC LAMINATE
AGC.	AGGREGATE BASE COURSE	FR.	FRAME	PK.	PAIR
AFF.	ABOVE FINISH FLOOR	F.H.C.	FIRE HOSE CAB.	PNL.	PANEL
AGG.	AGGREGATE	FV.	FIELD VERIFY	PTN.	PARTITION
ANC.	AIR CONDITIONING			PL.	PLATE
AL.	ALUMINUM	GA.	GAUGE	PLB.	PLUMBING
ALT.	ALTERNATE	GL.	GLASS / GLAZING	PLYWD.	PLYWOOD
A.B.	ANCHOR BOLT	GD.	GRADE	PT.	POINT
&	AND	G.	GRAM	P.S.I.	POUNDS PER SQ. IN.
ARCH.	ARCHITECT	GRL.	GRILLE	P.S.F.	POUNDS PER SQ. FT.
ASP.	ASPHALT	GRD.	GRID	P.C.	PRECAST
@	AT	GND.	GROUND	P.L.	PROPERTY LINE
ACT.	ACOUSTIC CEILING TILE/PANEL	G.S.	GALVANIZED STEEL		
∠.	ANGLE	GYP.	GYPSUM BOARD		
		GWB/G.B.	GYPSUM BOARD	R.	RISER, RISERS
BLKG.	BLOCKING	H.R.	HAND RAIL	RAD.	RADIUS
BSMT.	BASEMENT	HDN.	HARDENER	R.D.	ROOF DRAIN
BM.	BEAM	HDW.	HARDWARE	RB.	RESILIENT BASE
B.M.	BENCHMARK	HDWD.	HARDWOOD	RE.	REFER TO
BD.	BOARD	HTR.	HEATER	REG.	REGISTER
B.O.	BOTTOM OF	HT.	HEIGHT	REGD.	REQUIRED
BLDG.	BUILDING	HT.	HEIGHT	REV.	REVISION
		H.P.	HIGH POINT	RFG.	ROOFING
CABT.	CABINET	H.M.	HOLLOW METAL	RGL.	ROUGH
C.I.P.	CAST IN PLACE	HORIZ.	HORIZONTAL	RM.	ROOM
C.B.	CATCH BASIN	H.S.	HOSE BIB	RND.	ROUND
CEL.	CEILING	H.W.	HOT WATER	R.O.	ROUGH OPENING
CEM.	CEMENT/CEMENTITIOUS				
CG.	CENTRIGRAM	IN.	INCH / INCHES	SCHED.	SCHEDULE
CM	CENTIMETER	LD.	INSIDE DIAMETER	S.C.	SEALED CONCRETE
CL.	CENTER LINE	INSUL.	INSULATION	SCR.	SCREW
CER.	CERAMIC	INT.	INTERIOR	SECT.	SECTION
C.F.	CERAMIC TILE	INV.	INVERT	SEL.	SELECT
CHAN.	CHANNEL	JAN.	JANITOR	SHG.	SHEATHING
CHL.	CHANNEL CLEAR	JT.	JOINT	SHT.	SHEET
C.O.	CLEAN OUT	JST.	JOIST	SDG.	SIDING
CLOS.	CLOSE	K.P.	KICK PLATE	SIM.	SIMILAR
COL.	COLUMN	LAM.	LAMINATED	SLDG.	SLIDING
CONC.	CONCRETE	LB.	POUND	SM.	SMOOTH
CONN.	CONNECTION	LDG.	LANDING	SPEC.	SPECIFICATION
CONST.	CONSTRUCTION	LTH.	LATH	SQ.	SQUARE
C.J.	CONTROL JOINT	LAV.	LAVATORY	ST.	STAINED
CONT.	CONTINUOUS	LAV.	LAVATORY	STD.	STANDARD
CONTR.	CONTRACTOR	LG.	LENGTH	S.S. /	STAINLESS STEEL
CORR.	CORRUGATED	LOC.	LOCATION	ST.STL.	STRUCTURE
CTR.	COUNTER	LT.	LIGHT	SUSP.	SUSPENDED
CTSK.	COUNTERSUNK	L.W.C.	LIGHT WEIGHT CONCRETE	SW.BD.	SWITCHBOARD
C.M.U.	CONCRETE MASONRY UNIT	LVR.	LOUVER	SYS.	SYSTEM
		LOC.	LOCATION	T.	TREAD
D.P.	DAMP PROOFING	M.O.	MASONRY OPENING	T.C.	TOP OF CURB
DIAG.	DIAGONAL	MATL.	MATERIAL	T.G.	TEMPERED GLASS
DIAM.	DIAMETER	MFR.	MANUFACTURER	T.O.	TOP OF
DIM.	DIMENSION	MB.	MARKER BOARD	T.S.D.	TOP OF STEEL DECK
DISP.	DISPENSER	MAX.	MAXIMUM	T.W.	TEACHERS WARDROBE
DWL.	DOWEL	MECH.	MECHANICAL	TYP.	TYPICAL
DN.	DOWN	MTL.	METAL		
D.S.	DOWNSPOUT	M.L.	METAL LATH	U.N.O.	UNLESS NOTED OTHERWISE
DWG.	DRAWING	M.	METER	V.	VENT
		MIN.	MINIMUM	VERT.	VERTICAL
EA.	EACH	MLDG.	MOLDING	V.G.	VERTICAL GRAIN
ELEC.	ELECTRIC	MULL.	MULLION	VEST.	VESTIBULE
E.W.C.	ELECTRIC WATER COOLER	N.G.	NATURAL GRADE	V.C.T.	VINYL COMPOSITION TILE
ELEV.	ELEVATION	NOM.	NOMINAL	VCP.	VITREOUS CLAY PIPE
EL.	ELEVATOR	N.L.G.	NOT IN CONTRACT		
EQ.	EQUAL	N.T.S.	NOT TO SCALE		
EQUIP.	EQUIPMENT	NO. / #	NUMBER	W.W.M.	WELDED WIRE MESH
EXH.	EXHAUST	OBS.	OBSOLETE	W.C.	WATER CLOSET
EXPAN.	EXPANSION JOINT	O.C.	ON CENTER	W.H.	WATER HEATER
EJ.	EXPANSION JOINT	OPNG.	OPENING	W.F.	WIDE FLANGE
EXST.	EXISTING	O.A.	OVERALL	W.	WITH
EXT.	EXTERIOR	O.D.	OUTSIDE DIAMETER	W/O	WITHOUT
		O.F.S.	OVERFLOW SCUPPER	WD.	WOOD
FT.	FEET / FOOT	O.F.D.	OVERFLOW DRAIN	WDW.	WINDOW
FIN.	FINISH	O.H.D.	OVERHEAD DOOR	W.W.	WINDOW WALL
FKT.	FIXTURE				
FL.	FLASHING				
FUR.	FLOOR				
F.D.	FLOOR DRAIN				

LOCATION PLAN



KEY PLAN



SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
A0.1	COVER SHEET
A0.2	CODE FOOTPRINT PLAN
A0.3	GENERAL NOTES, LEGENDS, PARTITION TYPES AND DETAILS
DEMOLITION	
AD2.1	DEMOLITION PLAN
ARCHITECTURE	
A2.1	FIRST FLOOR DIMENSION PLAN
A3.1	FIRST FLOOR REFLECTED CEILING PLAN AND DOOR SCHEDULE
A7.1	OVERALL FLOOR FINISH PLANS, SCHEDULES AND INTERIOR DETAILS
MECHANICAL	
M000	MECHANICAL COVERSHEET
M101	FIRST FLOOR DEMOLITION PLAN - PIPING & CONTROLS
M111	FIRST FLOOR DEMOLITION PLAN - VENTILATION
M201	FIRST FLOOR PLAN - PIPING & CONTROLS
M211	FIRST FLOOR PLAN - VENTILATION
M400	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES & CONTROL DIAGRAMS
PLUMBING	
P000	PLUMBING + MEDICAL GAS COVERSHEET
P101	FIRST FLOOR DEMOLITION PLAN - PLUMBING
P111	FIRST FLOOR DEMOLITION PLAN - MEDICAL GAS
P201	FIRST FLOOR PLAN - PLUMBING
P211	FIRST FLOOR PLAN - MEDICAL GAS
ELECTRICAL	
E000	ELECTRICAL COVERSHEET
E001	ELECTRICAL COVERSHEET
E101	FIRST FLOOR DEMOLITION PLAN - LIGHTING
E111	FIRST FLOOR DEMOLITION PLAN - POWER
E121	FIRST FLOOR DEMOLITION PLAN - SYSTEMS
E201	FIRST FLOOR PLAN - LIGHTING
E211	FIRST FLOOR PLAN - POWER
E221	FIRST FLOOR PLAN - SYSTEMS
VENDOR	
SIEMENS	SIEMENS PRO SPECTRA 03 VENDOR DRAWINGS

Nuclear Medicine / Spect. CT remodel
100 NE Saint Luke's Blvd
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Lee's Summit, MO 64086

Date 4/07/2023
Job Number 3-23005
Drawn By Author
Checked By Checker

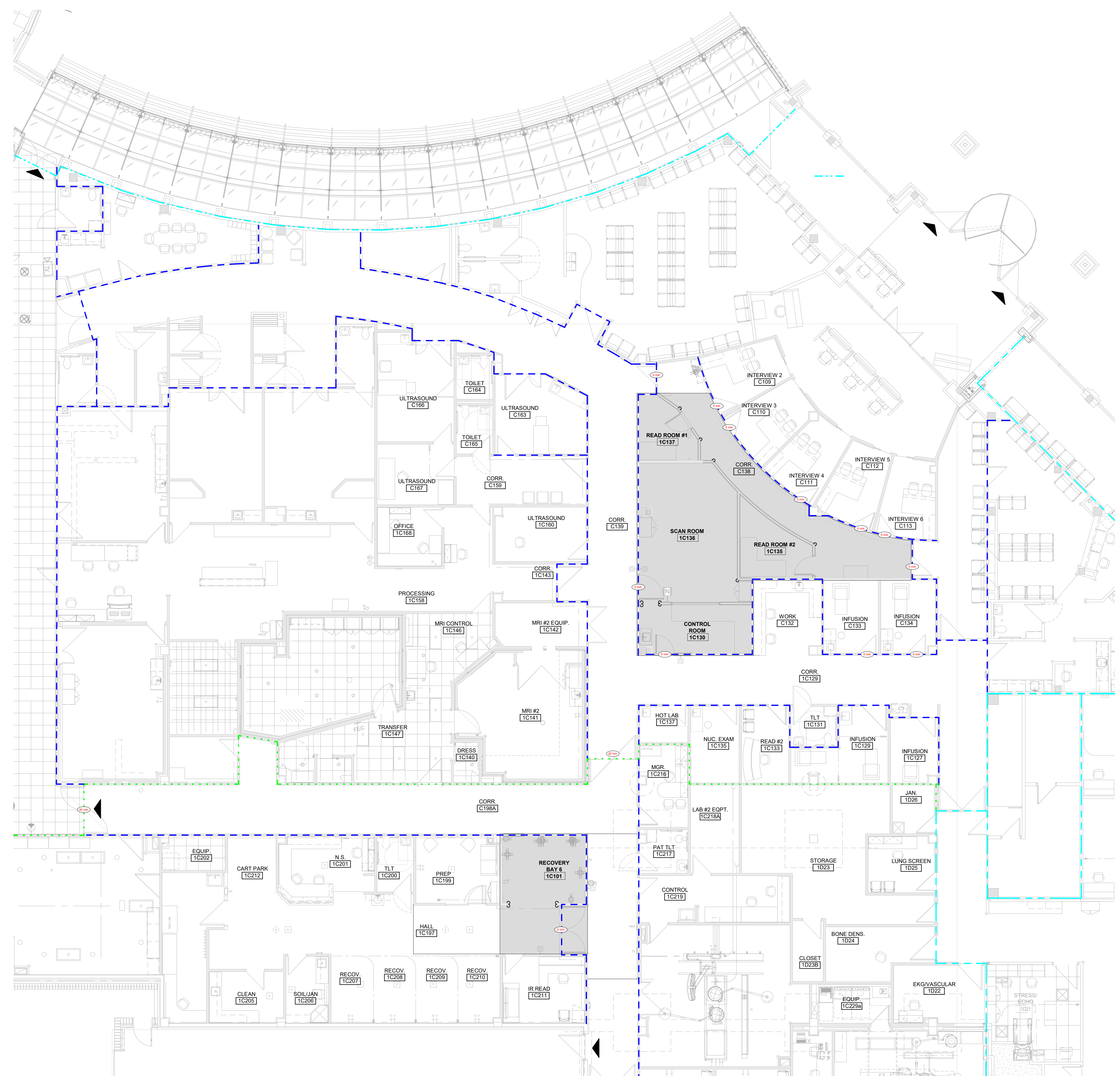
Revision
Number Date Description



ACI BOLAND ARCHITECTS

ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
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Missouri: #000958

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CODE FOOTPRINT LEGEND

PARTITION TYPES

- 0 HR SMOKE PARTITION (SMOKE RESISTIVE)
- 1 HR SMOKE BARRIER
- 1 HR FIRE BARRIER
- 2 HR FIRE BARRIER
- 2 HR FIRE SMOKE BARRIER
- 3 HR FIRE BARRIER

ARCHITECTURAL SCOPE

FIRE EXIT

CODE SUMMARY

Project Construction Purpose: Nuclear Medical / Spect CT remodel

Project Address:
Saint Luke's Lee's Summit
100 NW Saint Luke's Blvd
Lee's Summit, MO 64063

Code Information:
2018 International Building Code
2018 International Plumbing Code
2018 International Mechanical Code
2018 International Fuel Gas Code
2018 International Fire Code
2017 National Electrical Code
2009 ICC/ANSI A117.1 as amended and adopted by the City of Lee's Summit

State of Missouri Dept. of Health & Environment references the following codes:
2012 NFPA 101 Life Safety Code (LSC)
2014 FGI Guidelines for Design & Construction of Hospitals & Outpatient Facilities

Owner Information:
Saint Luke's Lee's Summit
100 NW Saint Luke's Blvd
Lee's Summit, MO 64063

Designer Information:
ACI Boland Architects
1710 Wyandotte St.
Kansas City, MO 64108
Phone: (816) 763-9600
Fax: (816) 763-9757

Local Authority:
Responsible Fire Service: Lee's Summit Fire Department
Local Building Inspector: Lee's Summit MO Codes Administration Department

Type of Construction: Type 1-A - Section 602.2 (Type 1 - 332 Sprinklered - Section 18.1.6.1)

Area of Renovation: 1360+- SF

Occupancy Group: I-2 - Section 308.3

Occupant Load: 100 gross Table 1004.5
Institutional Outpatient
Total Square Footage: 1360 SF / 100 = 14 occupants total

Required Fire Resistance Ratings (in hours)
Per NFPA 101 A-9.2.1.2

Exterior Bearing Walls	3 HR
Interior Bearing Walls	3 HR
Primary Structural Frame	3 HR
Floor Construction	2 HR
Roof Construction	1 1/2 HR
Interior non-bearing walls	0 HR

Active Fire Safety Features:

- Fire Alarm System - The fire alarm system is specified as an addressable type system. The device type and locations are per the applicable codes as well as ADA requirements.
- Smoke Control System - All ductwork penetrating smoke rated walls will have a smoke or combination fire/smoke damper as indicated on construction documents. These dampers will close upon detection of smoke by the area smoke detector or duct smoke detectors in the air handling units.
- Fire Sprinkler System - Specified to be per NFPA 13. The sprinkler heads are specified to be quick response type.
- Emergency Lighting and Power - Emergency lighting, life safety and critical loads will receive power from a backup generator located outside the main electrical room.
- Illuminated Exit Signs

Passive Fire Safety Features:

- Smoke Compartments no greater than 22,500 SF

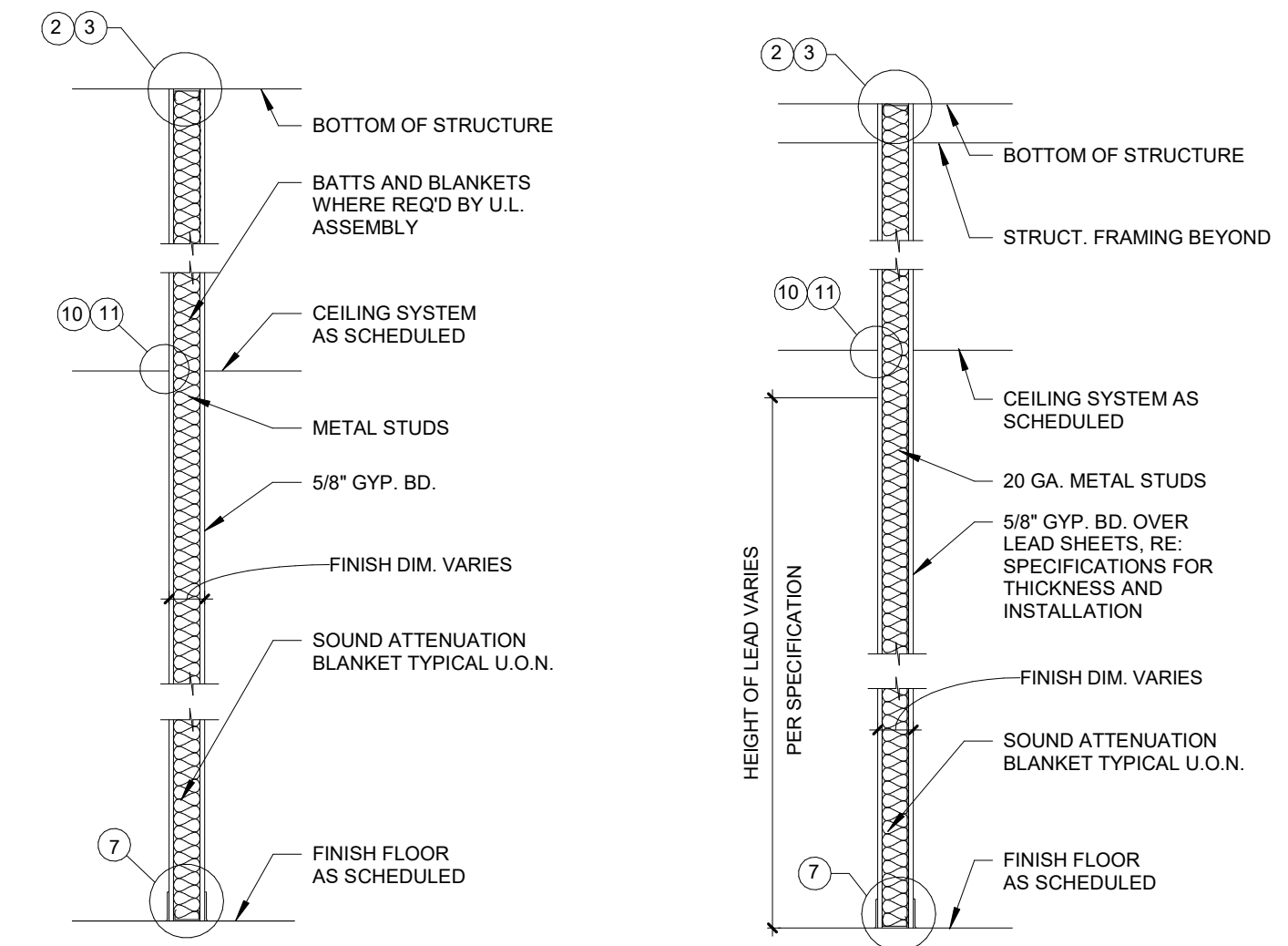
1 CODE FOOTPRINT PLAN
1/8" = 1'-0"

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR. USE BLACK AND WHITE COPIES AT YOUR OWN RISK.

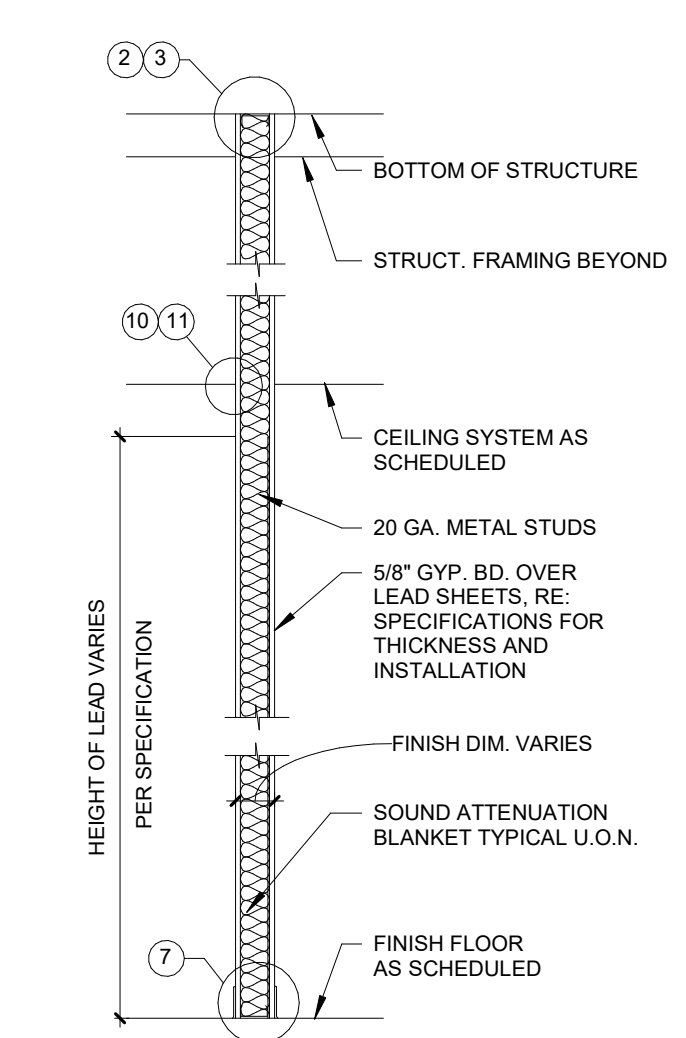
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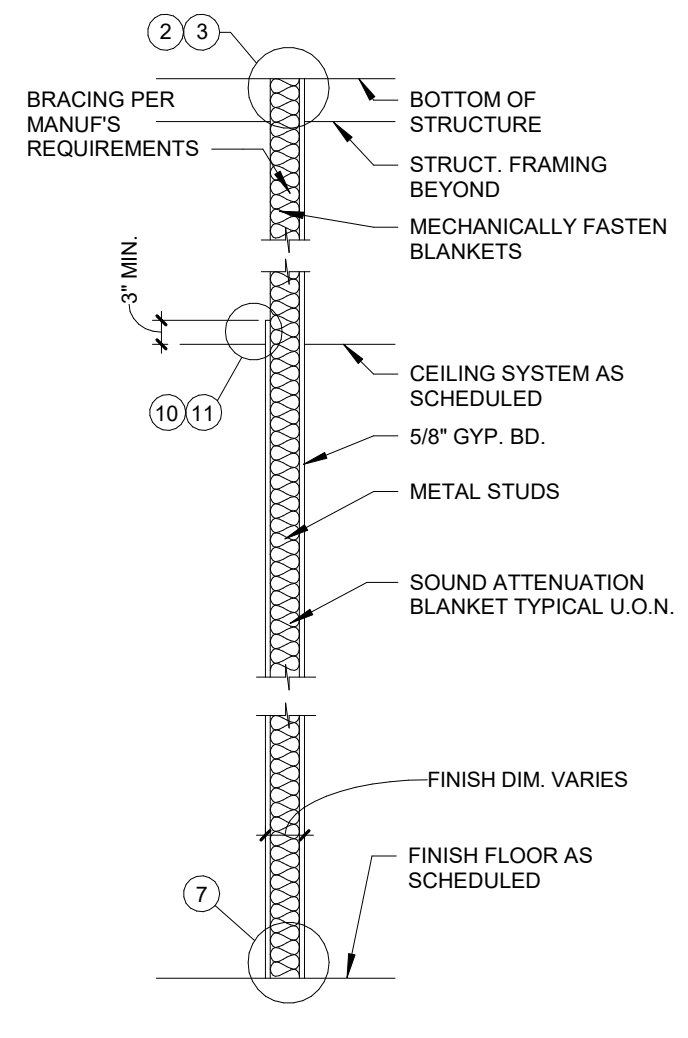
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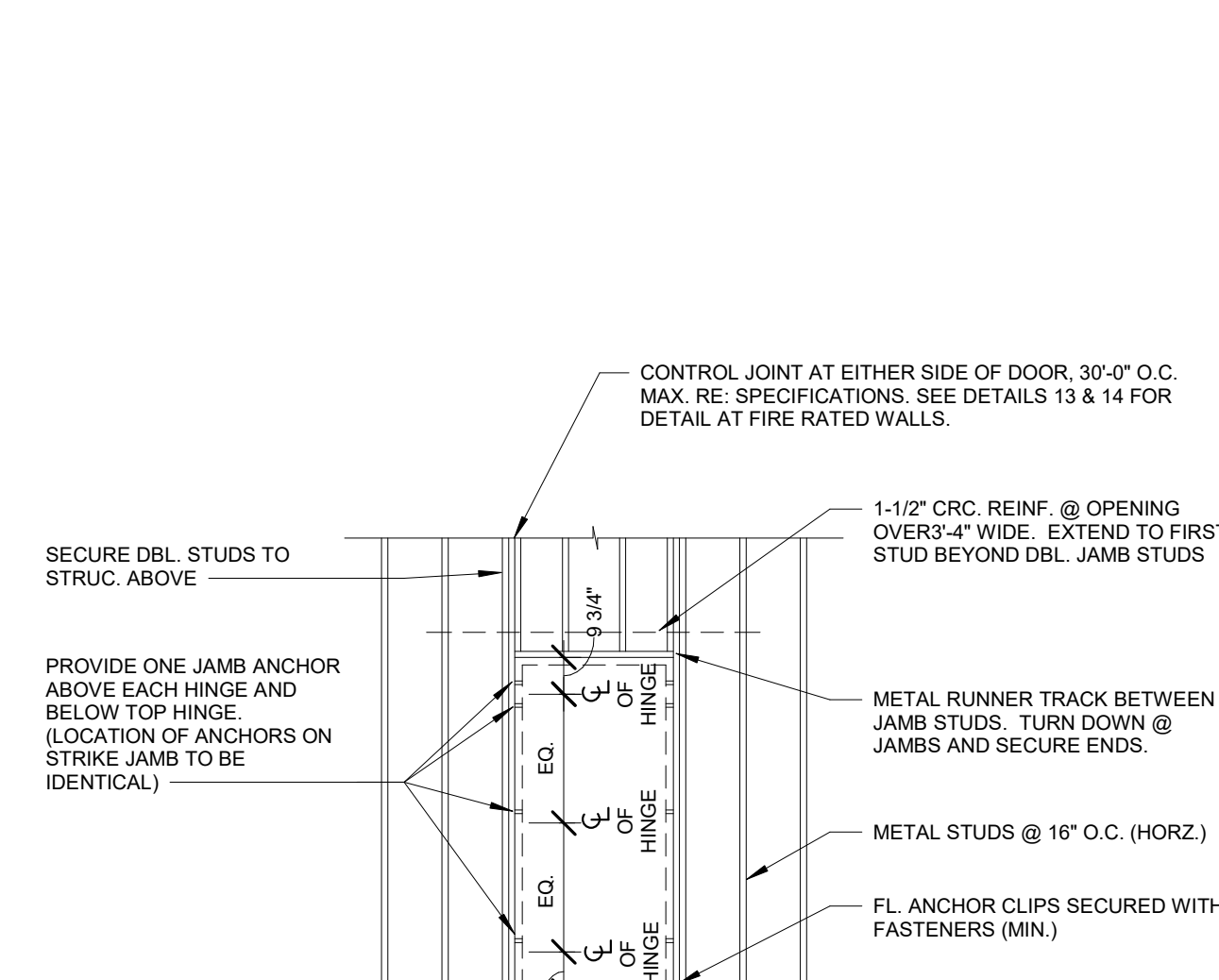
2 GYPSUM BOARD BOTH SIDES NON-RATED - TYPICAL
1/2" = 1'-0"



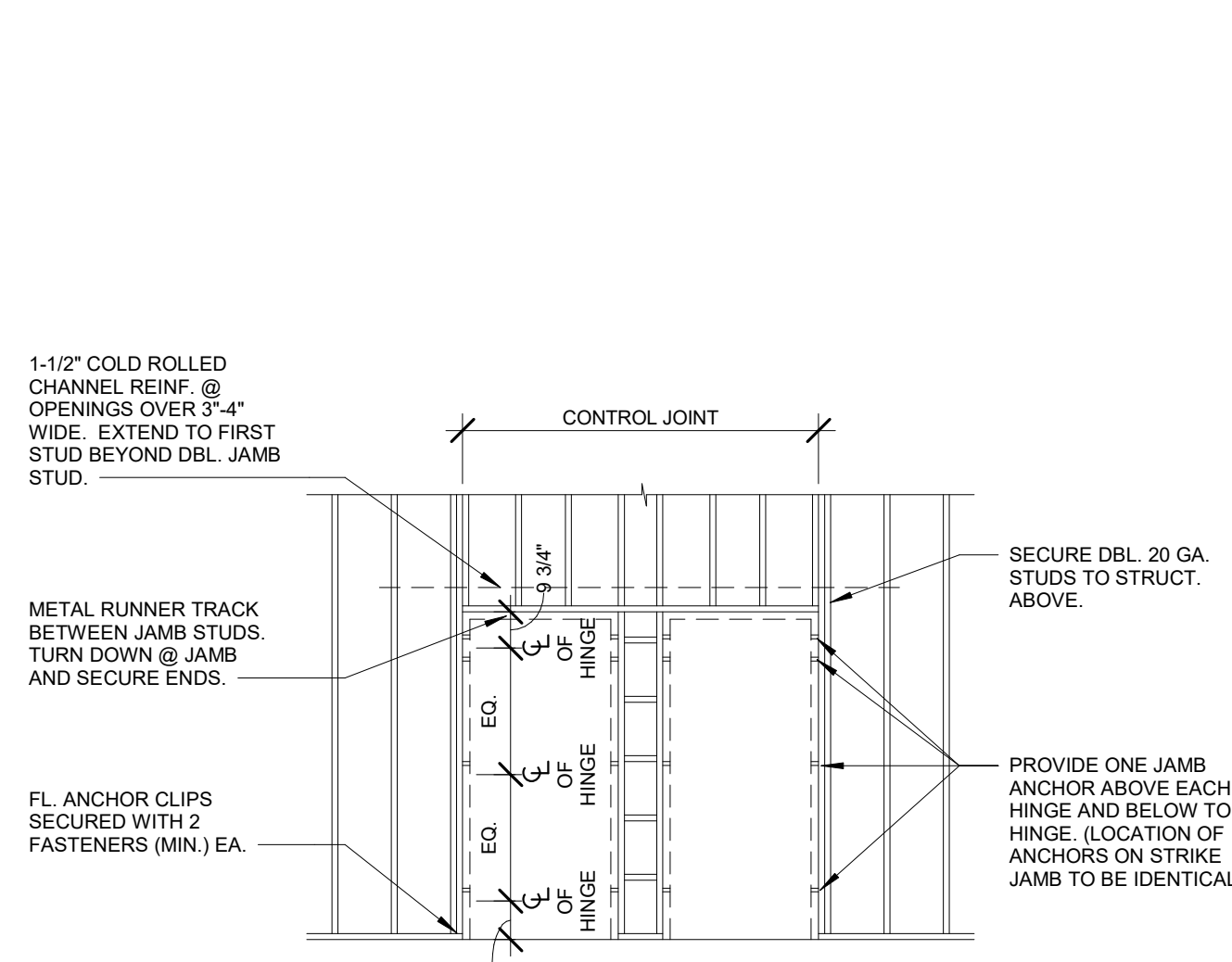
3 LEAD LINED PARTITION
1/2" = 1'-0"



4 0 HR PARTITION - GYPSUM BOARD TO STRUCTURE ON ONE SIDE, ABOVE CEILING ON OTHER
1/2" = 1'-0"



5 SINGLE DOOR FRAMING DETAILS
1/4" = 1'-0"



6 ADJACENT DOORS FRAMING DETAILS
1/4" = 1'-0"

U.L. DESIGNATIONS AT RATED WALLS AS INDICATED ON LIFE SAFETY PLAN

---	0 HOUR SMOKE RESISTIVE
---	1 HOUR FIRE SEPARATION
---	U.L. U465 FOR 3 5/8\"/>

U.L. U465 FOR 3 5/8\"/>

U.L. U442 AT TILED WALLS
U.L. U451 FOR 2 1/2\"/>

U.L. U451 FOR 2 1/2\"/>

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7 TOP ANCHORAGE OF PARTITION TO METAL DECK
1/4" = 1'-0"

8 TOP ANCHORAGE OF PARTITION TO CONCRETE STRUCTURE SEE 3A AND 3B FOR ADDITIONAL INFORMATION
1/4" = 1'-0"

9 FLOOR ANCHORAGE OF PARTITION
1/4" = 1'-0"

10 SUSPENDED GYP. BD. CEILING
1/4" = 1'-0"

11 CEILING DETAILS FOR GYP. BD. VERTICAL SURFACES
1/4" = 1'-0"

12 FLOOR ANCHORAGE OF PARTITION
1/4" = 1'-0"

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118 FLOOR ANCHORAGE OF PARTITION
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119 FLOOR ANCHORAGE OF PARTITION
1/4" = 1'-0"

120 FLOOR ANCHORAGE OF PARTITION
1/4" = 1'-0"

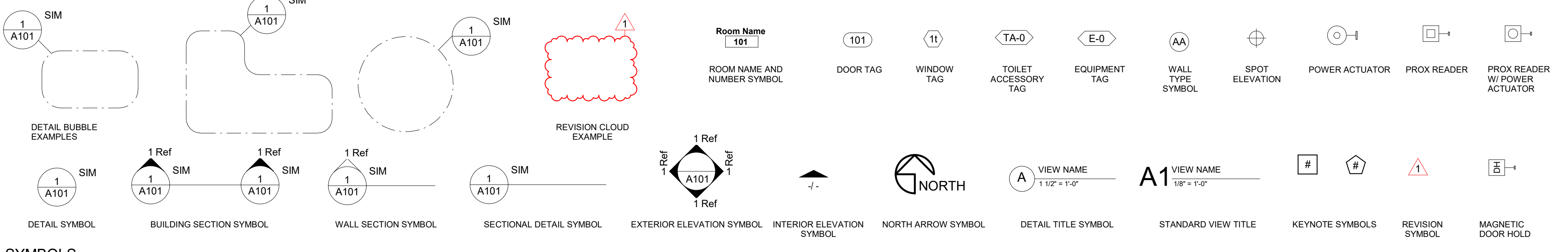
PARTITION GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL INTERIOR METAL STUDS ARE 3 5/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3 5/8" THICK. NOTE: STUD THICKNESS (GAUGE) MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SPAN (HEIGHT OF STUD).
- WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE METAL STUD THICKNESS SHALL BE AS SCHEDULED BELOW.

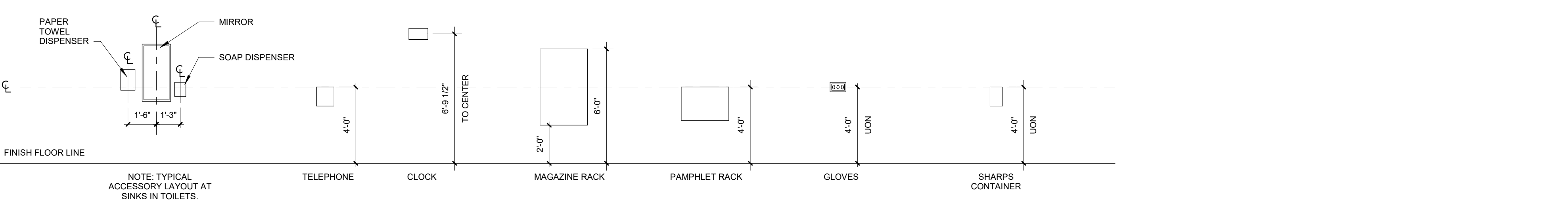
SUFFIX	MTL. STUD THICKNESS
1	1-5/8" MTL. STUDS
2	2-1/2" MTL. STUDS
3	4" MTL. STUDS
- UNLESS NOTED OTHERWISE ON THE FLOOR PLAN, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITIONS, WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
- UNLESS NOTED OTHERWISE, ALL INTERIOR MASONRY PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'B' PARTITIONS, WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS.
- ALL STUDS ARE CONTINUOUS FROM FLOOR STRUCTURE TO CEILING STRUCTURE UNLESS NOTED OTHERWISE.
- METAL STUDS ARE SPACED @ 16" O.C. MAX., UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD IS TO BE 5/8" THICK "FIRECODE".
- THE LOCATION OF A CHANGE IN THE PARTITION TYPE IS INDICATED BY A WALL TAG.
- THE CORRESPONDING RATED ASSEMBLIES ARE INDICATED BELOW THE PARTITION TYPES.
- PARTITION TYPE DESIGNATIONS ARE INDICATED ON THE FLOOR PLAN DRAWINGS.
- PARTITION TYPES DO NOT INCLUDE APPLIED FINISHES CALLED FOR IN THE ROOM FINISH SCHEDULE.
- PARTITION TYPES WHERE MTL. STUDS ARE EXPOSED ON ONE OR BOTH SIDES, CUT STUD 1/4" SHORT AND SCREW BOTH SIDES TO MTL. RUNNER TRACK.

GENERAL NOTES

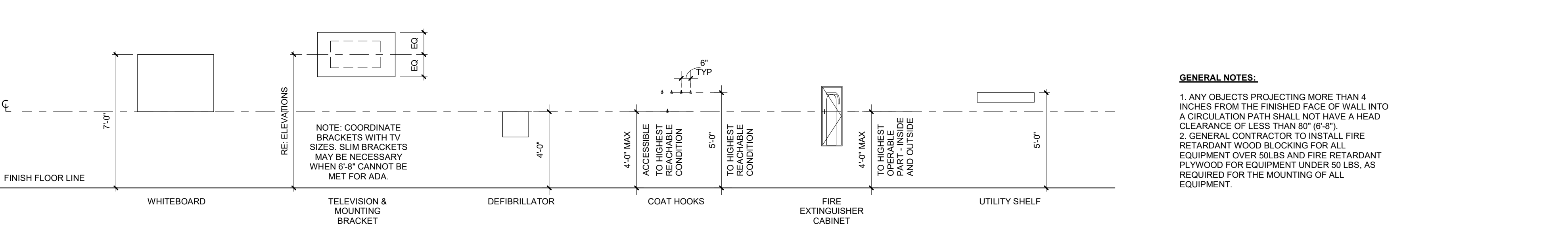
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
- DO NOT SCALE DRAWINGS.
- THE WORD "ALIGN" AND "EQUAL" AS USED IN THESE DOCUMENTS SHALL SUPERSEDE ANY DIMENSIONAL INFORMATION GIVEN.
- TYPICAL DIMENSIONS ARE TO FACE OF CONCRETE, DRYWALL, CURTAIN WALL, ETC., OR TO COLUMN CENTERLINE. DIMENSIONS AT WINDOWS ARE TYPICALLY TO FACE OF FRAME. REFER TO PLAN DETAILS FOR ADDITIONAL INFORMATION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP.
- THE GENERAL CONTRACTOR SHALL INSPECT AND CHECK THE ADEQUACY AND INSTALLATION OF THROUGH-WALL FLASHING PRIOR TO COVERING WITH FINISH MATERIALS. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, INSPECTION AGAINST HOLES OR PENETRATIONS, APPROPRIATE LAPPING AND SEALING, AND OVERALL WORKMANSHIP IN CONFORMANCE WITH THE SPECIFICATIONS.



SYMBOLS
1/4" = 1'-0"



NOTE: TYPICAL ACCESSORY LAYOUT AT SINKS IN TOILETS.

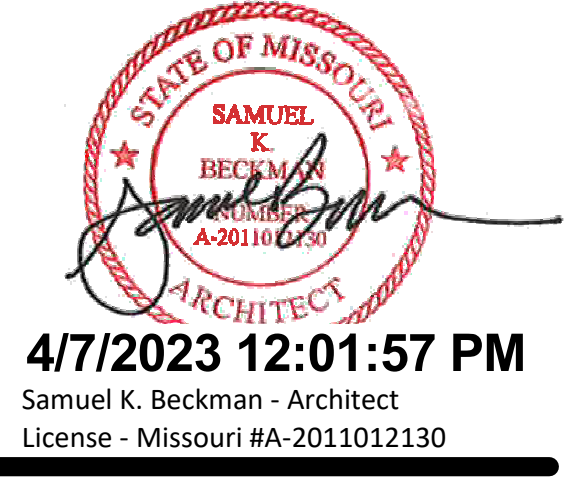


EQUIPMENT MOUNTING HEIGHTS
1/4" = 1'-0"



ELECTRICAL DEVICE MOUNTING HEIGHTS
1/4" = 1'-0"

- GENERAL NOTES:**
- ANY OBJECTS PROJECTING MORE THAN 4 INCHES FROM THE FINISHED FACE OF WALL INTO A CIRCULATION PATH SHALL NOT HAVE A HEAD CLEARANCE OF LESS THAN 80" (6'-8").
 - GENERAL CONTRACTOR TO INSTALL FIRE RETARDANT WOOD FLOORING FOR ALL EQUIPMENT OVER ROLLS AND FIRE RETARDANT FLYWOOD FOR EQUIPMENT UNDER ROLLS, AS REQUIRED FOR THE MOUNTING OF ALL EQUIPMENT.



4/7/2023 12:01:57 PM
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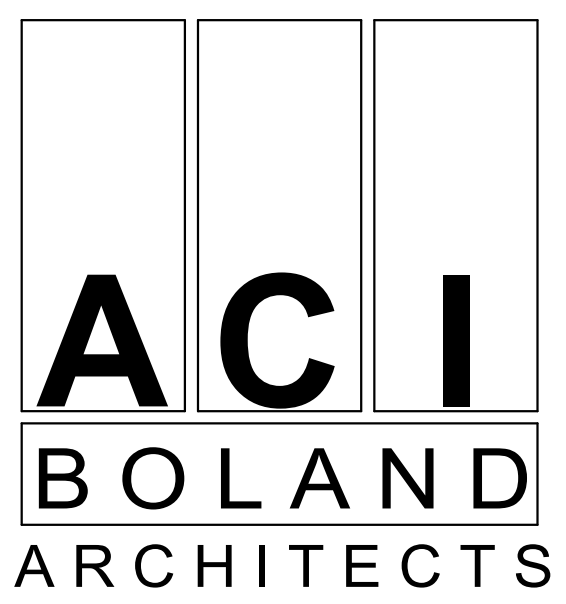
Nuclear Medicine / Spect. CT remodel
100 NE Saint Luke's Blvd
Saint Luke's East
Lee's Summit, MO 64086

Date 4/07/2023
Job Number 3-23005
Drawn By Author
Checked By Checker

Revision	Date	Description

A0.3

GENERAL NOTES, LEGENDS,
PARTITION TYPES AND DETAILS



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Job Number 3-23005
Drawn By Author
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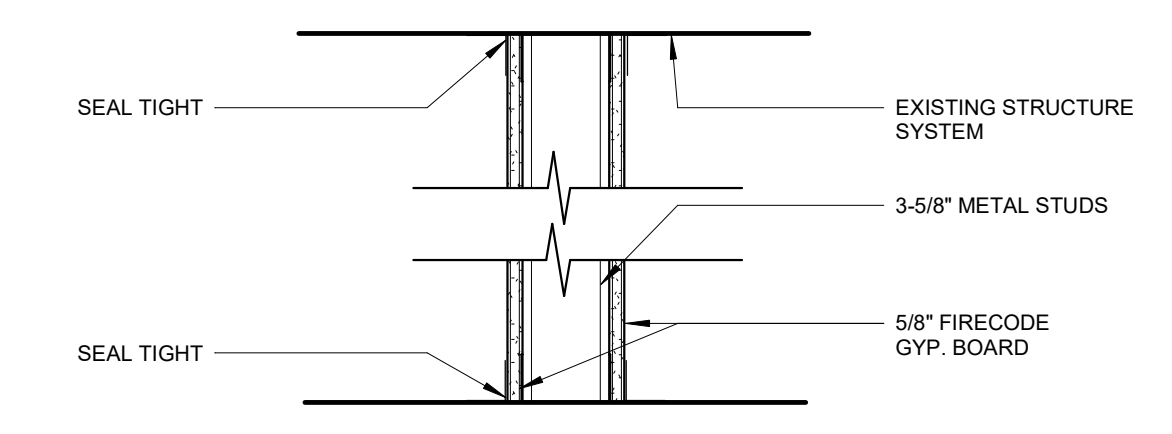
Revision
Number Date Description

GENERAL DEMOLITION NOTES

- THE OWNER SHALL VACATE THE EXISTING ROOMS AS INDICATED ON THE PLAN AND BE RESPONSIBLE FOR THE REMOVAL OF ANY EQUIPMENT WHICH IS TO REMAIN THE PROPERTY OF THE OWNER PRIOR TO ANY WORK DONE BY THE CONTRACTOR FOR THIS PORTION OF THE SEQUENCE.
- INSTALL TEMPORARY DUST PARTITION AND/OR BARRIERS AND OTHER METHODS AS MAY BE REQUIRED NECESSARY AS INDICATED ON THE PLAN AND AS NECESSARY TO CONTAIN DEMOLITION CONSTRUCTION DUST AND DEBRIS WITHIN THE AREA OF CONSTRUCTION. REFER TO DUST PARTITION "DP" ON THIS SHEET AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- IT IS THE INTENT OF THIS DEMOLITION TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF THE NEW CONSTRUCTION. EXISTING DEMOLITION DETAIL MAY NOT NECESSARILY BE COVERED ON THESE DRAWINGS. FIELD VERIFY THE EXTENT OF ALL DEMOLITION.
- THE CONTRACTOR SHALL USE EXTREME CARE IN THE PROTECTION OF ALL ADJACENT AREAS FOR IT IS IMPERATIVE TO PROVIDE CONTINUOUS OPERATION OF ALL OCCUPIED AREAS DURING THE DEMOLITION, CONSTRUCTION AND RENOVATION.
- ALL DEMOLITION DESCRIBED IN THESE DOCUMENTS SHALL BE COORDINATED WITH PHASING WORK REQUIRED TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITHIN OCCUPIED SPACES ABOVE, BELOW AND ADJACENT TO THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MANAGEMENT OF THE OCCUPIED SPACES ABOVE, BELOW, AND ADJACENT TO THE WORK, TWO WEEKS PRIOR TO COMMENCING WORK. SUCH SPACES ARE TO REMAIN OCCUPIED DURING DEMOLITION AND ALL WORK SHALL BE PERFORMED IN SUCH A MANNER TO MINIMIZE DISRUPTION TO OCCUPIED SPACES. EXISTING FLOOR, WALL AND CEILING FINISHES TO REMAIN SHALL BE PROTECTED AND ANY DAMAGE DONE AS A RESULT OF DEMOLITION WORK SHALL BE REPAIRED.
- IN AREAS SCHEDULED FOR DEMOLITION, THE CONTRACTOR SHALL REMOVE ALL ACCESSORIES, GRAB BARS, MIRRORS, SOAP AND PAPER TOWEL DISPENSERS, SHELVES, BULLETIN BOARDS, ETC., SHALL BE TURNED OVER TO THE OWNER, EXCEPT FOR RELOCATED ITEMS.
- WHERE NEW FINISHES ARE CALLED FOR, REMOVE AND DISCARD EXISTING FLOORING, CEILING AND WALL COVERING THROUGHOUT AREA DESIGNATED FOR NEW CONSTRUCTION AND PREP EXISTING FLOOR AND WALL SUBSTRATE TO RECEIVE THE INSTALLATION OF NEW FINISH AS SCHEDULED.
- SEE NEW WORK PLAN FOR REPAIR AND PREPARATION OF ADJACENT SURFACES.
- WHERE CEILING IS TO REMAIN, REMOVE ALL DAMAGED CEILING PANELS/ TILES AND REPLACE WITH NEW TO MATCH EXISTING.
- REMOVE AND RETURN TO THE OWNER ALL EXISTING PLUMBING FIXTURES. CAP ALL SUPPLY AND WASTE LINES AS REQUIRED. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL PATCH TO MATCH ADJACENT SURFACES OF EXISTING WALLS, FLOOR, AND CEILING IN ALL AREAS THAT REQUIRE THE REMOVAL OF GENERAL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK AND OF EQUIPMENT AND FIXTURES.
- THE CONTRACTOR SHALL PROVIDE FOR ALL NECESSARY TEMPORARY RELOCATION AND MAINTENANCE OF ALL EXISTING UTILITIES WHICH ARE CURRENTLY IN USE AND WHICH MUST BE TEMPORARILY RELOCATED DURING CONSTRUCTION OF NEW AREAS AND RENOVATION OF EXISTING AREAS.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR WORK REQUIRED FOR NEW CONSTRUCTION.
- WHERE REMOVAL OF EXISTING PARTITIONS, EQUIPMENT, ETC. DISTURBS EXISTING MECHANICAL, PLUMBING OR ELECTRICAL SERVICES, THE CONTRACTOR SHALL MAKE PERMANENT REVISIONS/REPAIRS AS REQUIRED TO MAINTAIN SERVICES AND IF NECESSARY, PROVIDE TEMPORARY SERVICES TO AREAS NOT SCHEDULED FOR DEMOLITION, RENOVATION, AND/OR NEW CONSTRUCTION.
- WHERE EXISTING WALLS, CEILING, OR FLOORS ARE DAMAGED BY THE CONTRACTOR FOR ACCESS TO SERVICES AND NEW CONSTRUCTION WHICH MAY NOT BE INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH TO MATCH MATERIAL AND FINISHES TO ORIGINAL CONDITIONS. IF EXISTING FINISHES CANNOT BE MATCHED, THE ENTIRE WALL, CEILING, OR FLOOR SHALL BE REFINISHED TO THE NEAREST CORNER OR POSITIVE BREAKING POINT.
- WHEN DEMOLITION CAUSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN EXPOSED IN THE FINISHED WORK, SUCH CONDITIONS SHALL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES.
- WHEN DEMOLITION EXPOSES DAMAGE TO FLOOR SLAB, WALL OR CEILING SURFACES WHICH WILL REMAIN EXPOSED IN THE FINISHED WORK, SUCH CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND OWNER WITH A RECOMMENDATION FOR RESOLUTION OF THE CONDITIONS.
- CLEAN AIR GRILLES AND LIGHT FIXTURES THROUGHOUT PROJECT AREA UPON COMPLETION OF WORK.
- WHERE EXISTING PHONE, DATA, OR PHONE-DATA OUTLETS ARE REMOVED, THE CONTRACTOR SHALL USE EXTREME CARE IN PULLING WIRE THROUGH THE EXISTING CONDUITS, COIL AND WRAP ABOVE EXISTING CEILING FOR REUSE.
- WHERE EXTERIOR WALLS, WINDOWS, AND/OR DOORS ARE BEING REMOVED, THE CONTRACTOR WILL BE RESPONSIBLE TO CONSTRUCT TEMPORARY PARTITIONS AS REQUIRED TO ENSURE THAT THE EXISTING BUILDINGS REMAIN WATERTIGHT, SECURE, AND WITHOUT DRAFTS DURING DEMOLITION WORK. THESE PARTITIONS SHALL REMAIN IN PLACE DURING THE NEW CONSTRUCTION WORK, OR AS REQUIRED TO MAINTAIN THIS SEPARATION.
- PROVIDE SHORING AND BRACING AS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.
- PLANS REPRESENTS DEMOLITION INTENT. ITEMS MAY BE CONCEALED WITHIN WALL(S) THAT ARE NOT IDENTIFIED ON PLAN.
- EXIST. CONSTRUCTION (SHOWN DASHED) INDICATES ITEMS TO BE REMOVED UNLESS NOTED OTHERWISE.
- PRIOR TO DEMOLITION, REMOVAL OF EXISTING EQUIPMENT AND FURNISHING TO BE COORDINATED WITH OWNER ON WHICH ITEMS ARE TO BE SALVAGED.
- GENERAL CONTRACTOR AND SUB-CRONTACTORS SHALL TAKE CARE TO MINIMIZE THE DAMAGE TO EXISTING FINISHES, SURFACES, AND FURNISHINGS WHICH REMAIN. IF ANY DAMAGE WHICH OCCURS TO ADJACENT SURFACE OR MATERIALS AS A RESULT OF DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPAIR AT THEIR COST.
- GENERAL CONTRACTOR AND SUB-CRONTACTORS TO VERIFY THE EXISTING CONDITIONS AND DETERMINE THE BEST ACTION TO MINIMIZE THE EXTENT OF REMOVAL WORK FOR INSTALLATION OF NEW WORK.
- PROVIDE TACK PAPER AND WALK OFF MAT ON BOTH SIDES OF TEMPORARY CONSTRUCTION BARRIER. WALK OFF MAT TO BE CHANGED DAILY AT MINIMUM.
- CONDUCT DEMOLITION OPERATIONS AND DEBRIS REMOVAL IN A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- DEMOLITION ACTIVITIES TO BE COORDINATED WITH FACILITIES.
- GENERAL CONTRACTOR TO OBTAIN DUMPSTER AT THEIR COST AND COORDINATE DUMPSTER LOCATION WITH OWNER.
- UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION DEBRIS BE PERMITTED TO BE DISPOSED IN BUILDING DUMPSTER OR STORED WITHIN BUILDING.
- ALL DEMOLISHED MATERIAL SHALL BE PROPERLY DISPOSED OF OFF SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.
- ALL DEMOLISHED AND SCRAP MATERIALS SHALL BE DISPOSED OF PROPERLY AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. COORDINATE DEBRIS REMOVAL, ROUTING AND SCHEDULE WITH OWNER.
- EXAMINE AND CONFIRM SCOPE OF EXISTING UTILITIES, PIPES, DUCTS AND SIMILAR ITEMS TO REMAIN OR BE REMOVED. COORDINATE THE ABANDONMENT OF AND CONNECTION TO THESE ITEMS WITH FACILITIES PRIOR TO WORK BEING PERFORMED.
- REMOVE, CAP OFF, AND RELOCATE AS REQUIRED ELECTRICAL DEVICES, TELEPHONE AND COMMUNICATION LINES, AND PLUMBING LINES WHICH IN CONSTRUCTION BEING REMOVED UNLESS NOTED OTHERWISE. OPERATION OF REMAINING SYSTEMS SHALL CONTINUE UNINTERRUPTED EXCEPT AS PREARRANGED WITH FACILITIES.
- REMOVE ALL ABANDONED ELECTRICAL RECEPTACLES IN THEIR ENTIRETY BACK TO SOURCE. PATCH AND PREP WALL AS REQUIRED TO RECEIVE NEW FINISHES.
- OWNER WILL ARRANGE TO SHUT OFF UTILITIES WITH UTILITY COMPANIES WHEN REQUESTED BY CONTRACTOR.
- EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITIES SERVING THE BUILDING TO BE DEMOLISHED.
- IF REMOVAL OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT OCCUPIED BUILDINGS, THEN PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN CONTINUITY OF SERVICE TO OTHER BUILDINGS AND STRUCTURES.
- IF MATERIAL SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
- ROOMS IMMEDIATELY ADJACENT TO DEMOLITION AREA WILL BE OCCUPIED. CONDUCT DEMOLITION SO OPERATIONS OF OCCUPIED ROOMS WILL NOT BE DISRUPTED.

DEMOLITION LEGEND

- NOT IN SCOPE
- EXISTING WALL, DOOR, FRAME AND HARDWARE TO REMAIN
- WALLS, DOORS, DOOR/WINDOW FRAMES, EQUIPMENT, FIXTURES, ETC. INDICATED BY DASHED LINES WITHIN THE AREA OF CONSTRUCTION SHALL BE REMOVED. REFER TO THIS SHEET FOR ARCHITECTURAL DEMOLITION NOTES.
- DUST PARTITIONS - THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE EXISTING BUILDING TO BE COMPLETELY PROTECTED AGAINST INFILTRATION OF DUST AND MOISTURE DURING THE COURSE OF DEMOLITION CONSTRUCTION WITH DUST PARTITIONS ACROSS CORRIDORS AND OPENINGS THRU EXISTING WALLS. ALL CONSTRUCTION WORK CREATING ANY TYPE OF DUST THROUGHOUT THE BUILDING SHALL BE SHIELDED BY DUST PROTECTION. PROVIDE DOOR OPENING AS REQUIRED FOR EMERGENCY EGRESS.
- DUST BARRIERS - (2) LAYERS 6 MIL PVC W/ STUDS @ 4'-0" O.C. DUST BARRIER TO BE COMPLETELY PROTECTED AGAINST THE INFILTRATION OF DUST & MOISTURE DURING THE COURSE OF DEMOLITION CONSTRUCTION. PROVIDE DOOR OPENING AS REQUIRED FOR EMERGENCY EGRESS.



WHERE DUST PARTITIONS ARE TO REMAIN THROUGH CONSTRUCTION, THEY SHALL BE CONSTRUCTED OF 3-5/8" METAL STUDS WITH CONTINUOUS TOP AND BOTTOM RUNNERS. PARTITIONS SHALL EXTEND TIGHT FROM FLOOR TO THE EXISTING CEILING OR STRUCTURE ABOVE, AND COPED AROUND DUCTS, PIPES, ETC., THAT PENETRATE THE PARTITION. THE ENTIRE PARTITION SHALL BE COVERED WITH 5/8" FIRE RATED GYP. BOARD SCREWED TO STUDS. ALL JOINTS BETWEEN SHEATHING, AT WALLS, AT FLOORS, CEILING, AROUND PIPES, ETC., TAPED AND SEALED TIGHT TO ENSURE DUST PROOFING.

THE CONTRACTOR SHALL COVER AND SEAL IN A DUST-TIGHT MANNER ALL EXISTING OPENINGS, GRILLES, JOINTS AROUND DOORS AND FRAMES, ETC. WITH FIRE RETARDANT SHEET AND/OR TAPE AS APPROPRIATE WHERE SUCH OPENINGS, ETC., OCCUR IN EXISTING PARTITIONS SEPARATING EXISTING AREAS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL MAINTAIN AND REPAIR ANY DUST BARRIERS AS DETERMINED BY, AND TO THE SATISFACTION OF, THE OWNER.

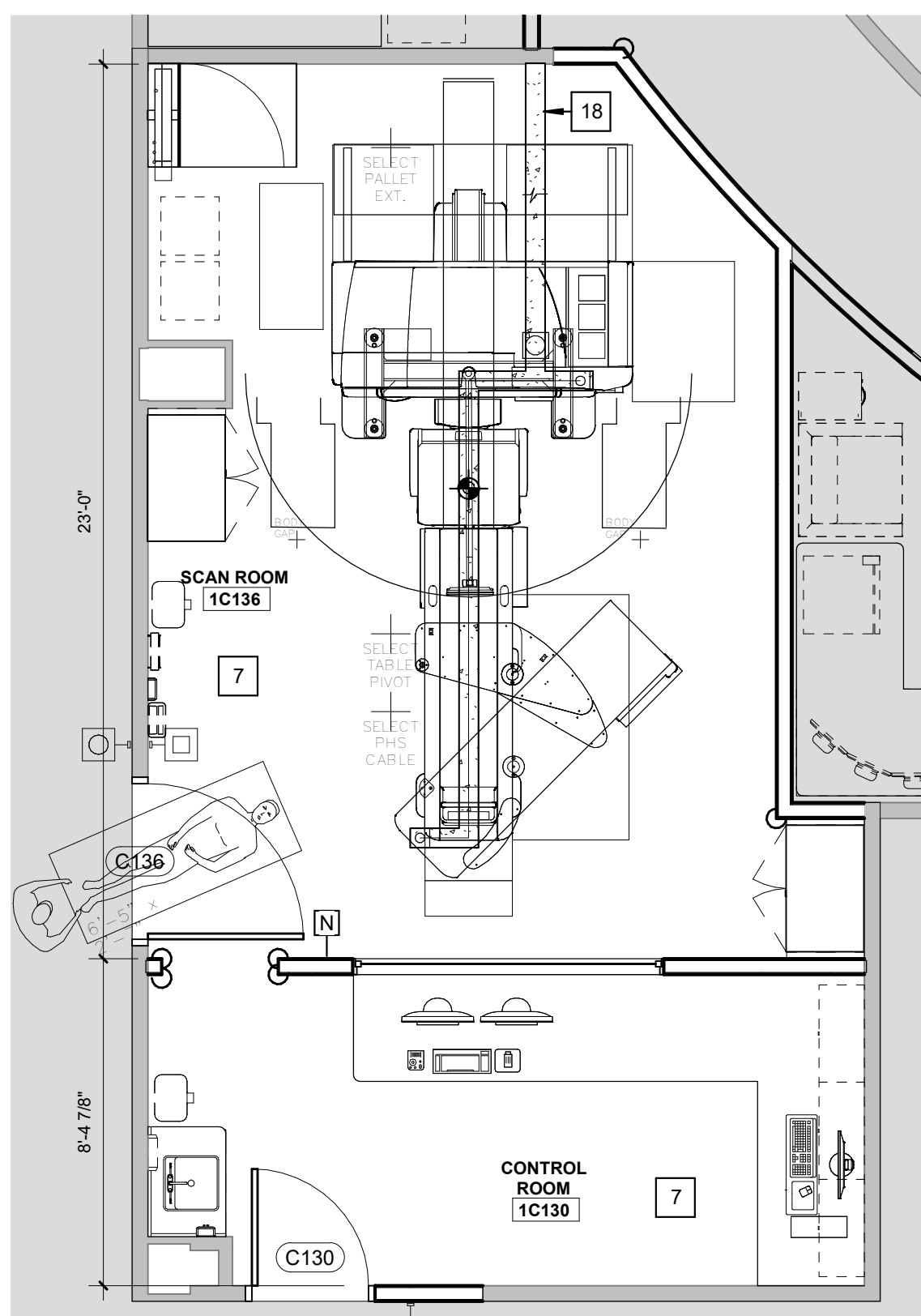
SMOKE TIGHT (NON-COMBUSTIBLE CONSTRUCTION PARTITION)
DP
1 1/2" = 1'-0"

KEYNOTES - DEMO PLAN

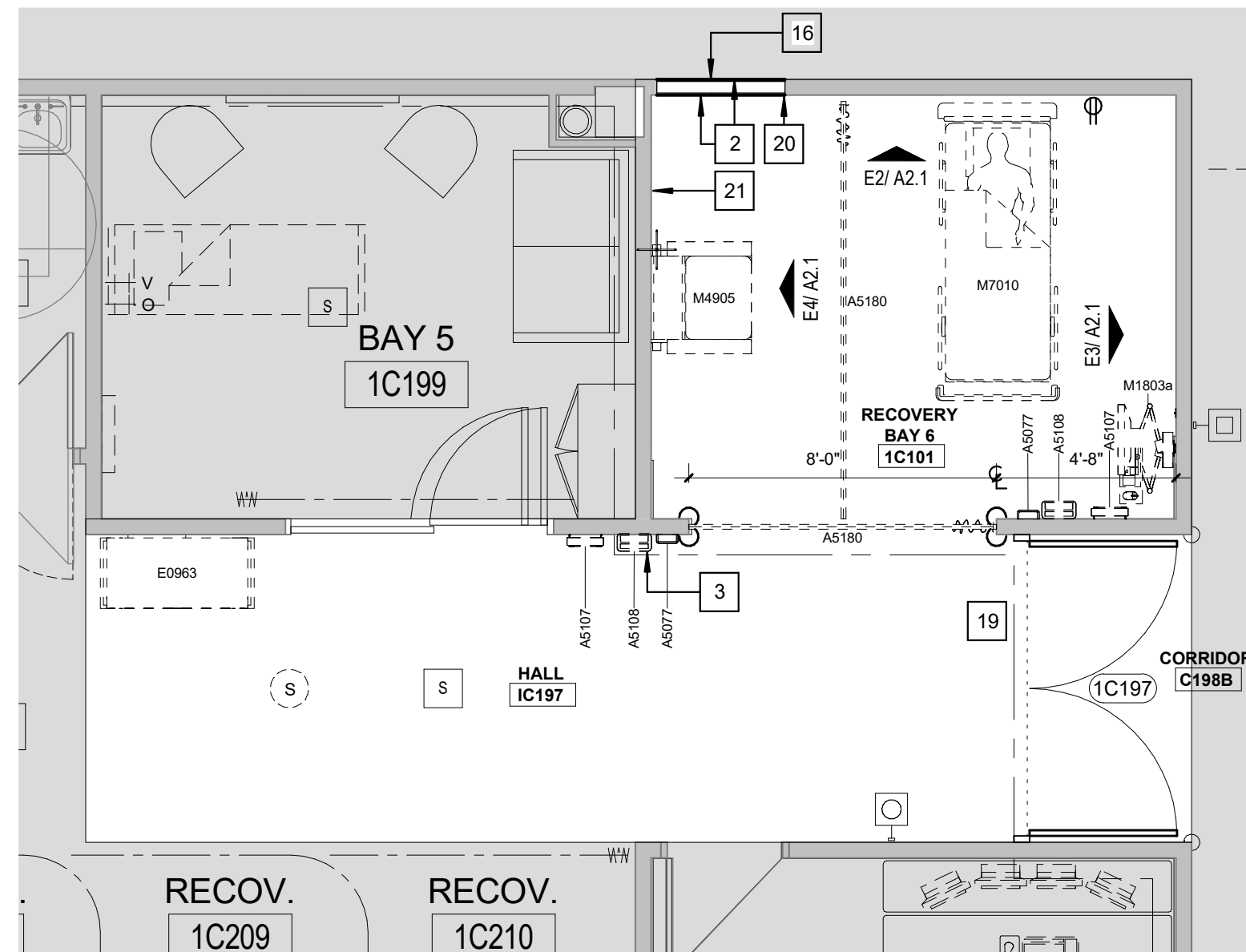
NUMBER	COMMENTS
1	REMOVE PORTION OF EXISTING ISLAND AND CURB FOR NEW 5" CONCRETE SIDEWALK AND ADA RAMP
2	REMOVE EXISTING DOOR AND FRAME, SALVAGE DOOR HARDWARE
3	REMOVE PORTION OF EXISTING WALL TO COORDINATE WITH NEW CONSTRUCTION
4	REMOVE EXISTING SINK, CABINETS, COUNTERTOP AND ASSOCIATED PLUMBING AND ELECTRICAL ITEMS. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION. PREP FOR NEW CABINET
5	REMOVE EQUIPMENT, TURN OVER TO STAFF
6	REMOVE EXISTING WORKSTATIONS, TURN OVER TO FACILITIES
7	CUT AND REMOVE EXISTING GYPSUM BOARD AND METAL STUD WALL FOR NEW DOOR OPENING. INSTALL NEW JAMB STUDS AND TRACK HEADER ABOVE OPENING INTO EXISTING WALL. REPAIR GYPSUM BOARD AS REQUIRED
8	REMOVE EXISTING FLOOR AND BASE
9	REMOVE EXISTING WALL FINISHES AS REQUIRED TO INSTALL NEW LEAD LINING
10	REMOVE CEILING TILES, GRID TO REMAIN
11	REMOVE CEILING TILES AND GRID TO COORDINATE WITH NEW CONSTRUCTION
12	MODIFY CEILING GRID TO FOLLOW NEW WALL CONSTRUCTION AT CORRIDOR
13	ALT #1: REMOVE EXISTING DOOR, PUSH BUTTON DEVICE, WALL, AND FRAME. PREP FOR NEW WALL AND DOOR PACKAGE
14	REMOVE PORTION OF EXISTING CONCRETE FLOOR TO COORDINATE WITH NEW SCANNER TRENCH DUCT F0-1 AND F0-2. RE: VENDOR PACKAGE FOR FINAL LOCATION



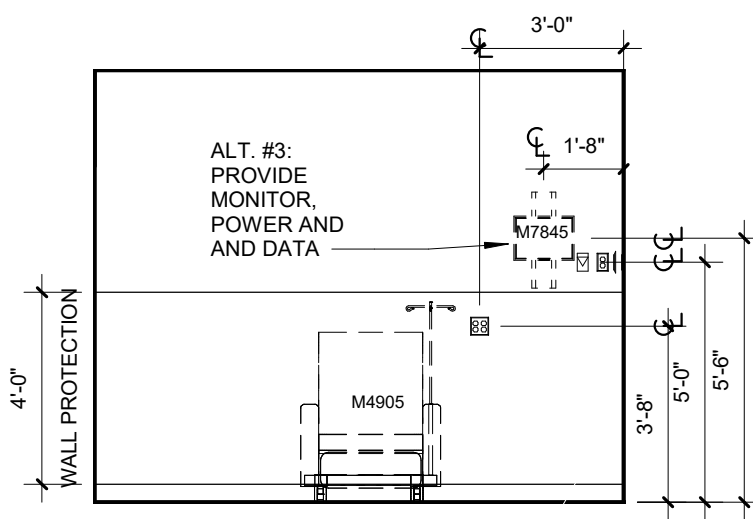
1 01 -Demolition Plan
1/8" = 1'-0"



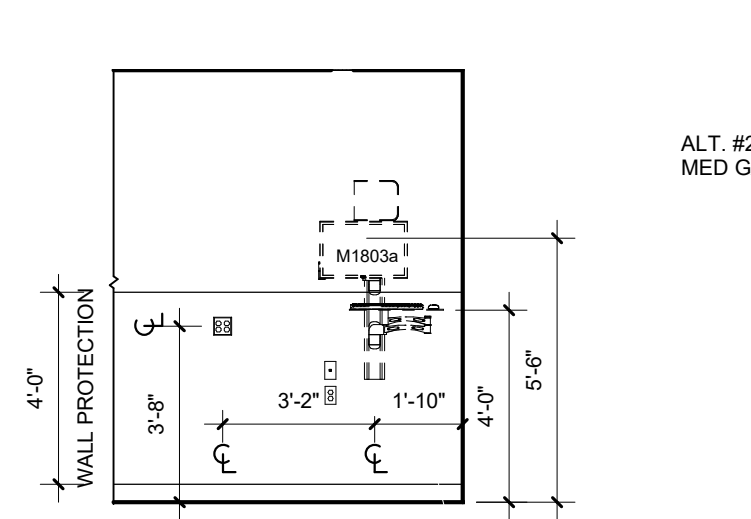
D7 EQUIPMENT LAYOUT 1/4" = 1'-0"



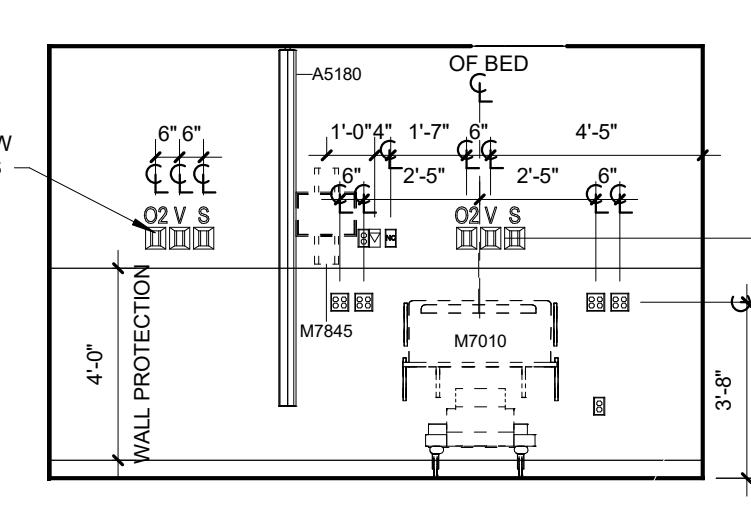
D6 ENLARGED PLAN 1/4" = 1'-0"



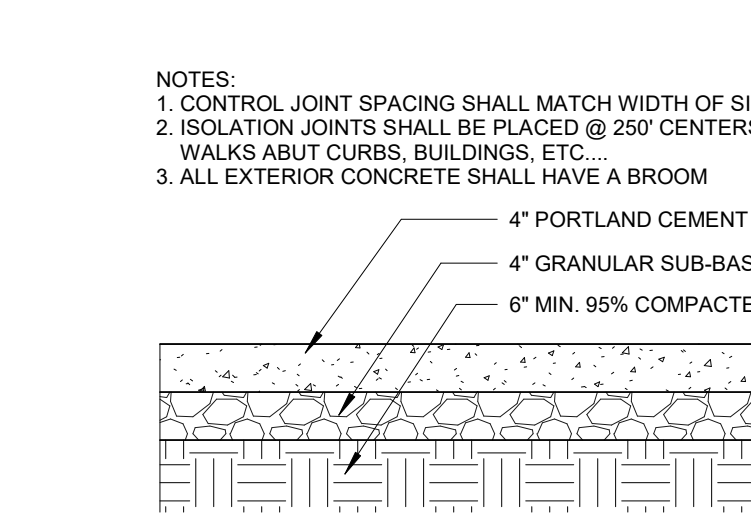
E4 RECOVERY - WEST 1/4" = 1'-0"



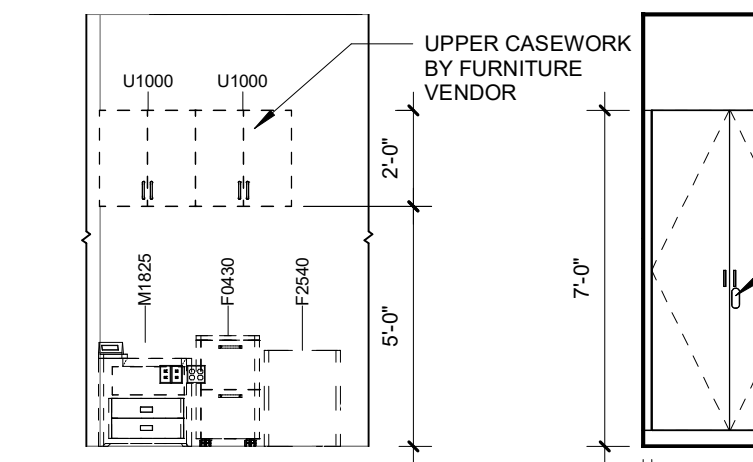
E3 RECOVERY - EAST 1/4" = 1'-0"



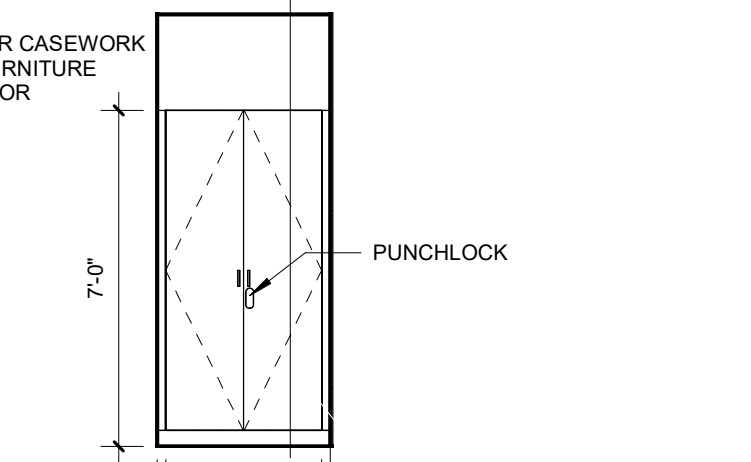
E2 RECOVERY - NORTH 1/4" = 1'-0"



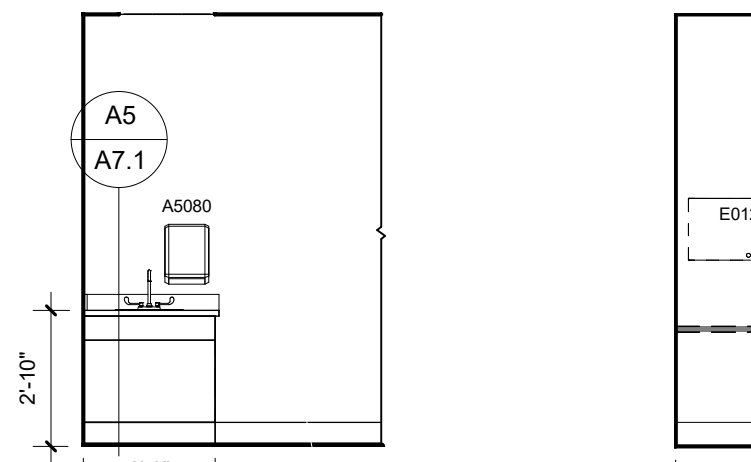
E1 DETAIL AT CONCRETE SIDEWALK 3/4" = 1'-0"



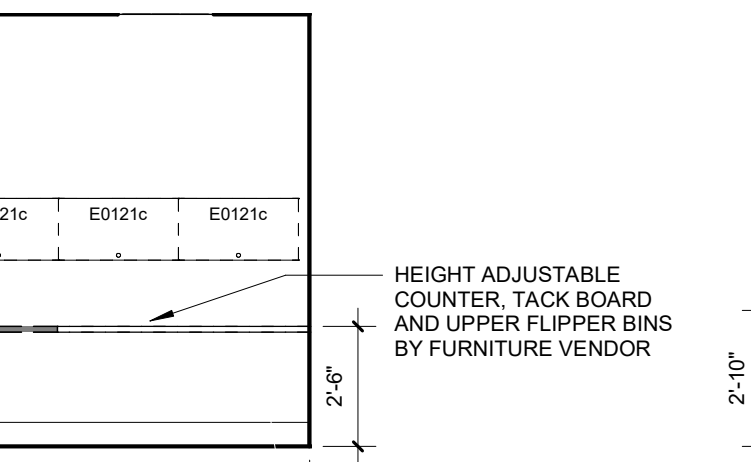
D5 CORRIDOR 1/4" = 1'-0"



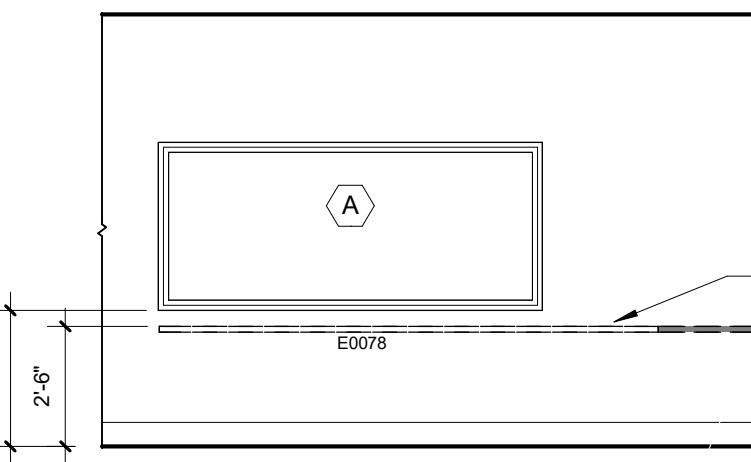
D4 SCAN ROOM 1/4" = 1'-0"



D3 CONTROL ROOM - WEST 1/4" = 1'-0"



D2 CONTROL ROOM - EAST 1/4" = 1'-0"



D1 CONTROL ROOM - NORTH 1/4" = 1'-0"

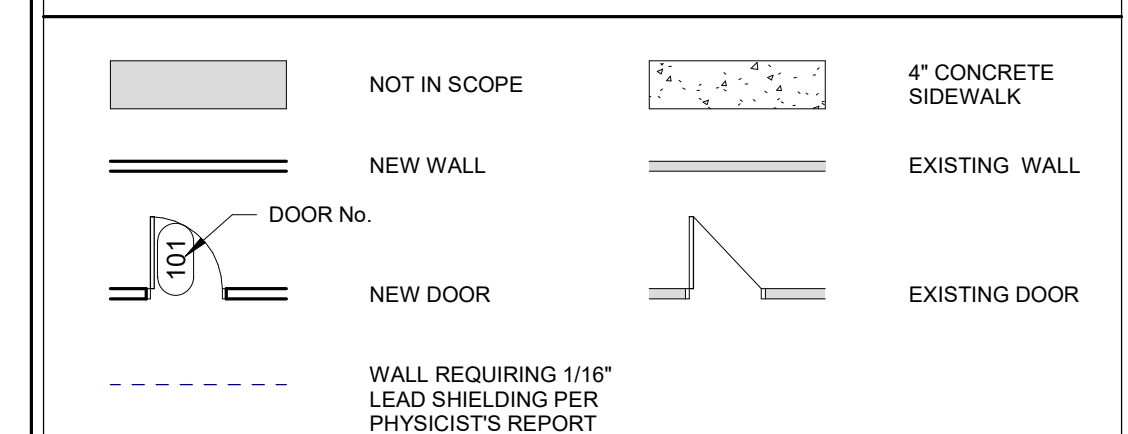
FFE SCHEDULE

Table with columns: TYPE, MARK, DESCRIPTION, RESPONSIBILITY, COMMENTS. Lists various equipment like soap dispenser, hand sanitizer, paper towel dispenser, etc.

GENERAL PLAN NOTES

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
3. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS...

FLOOR PLAN LEGEND

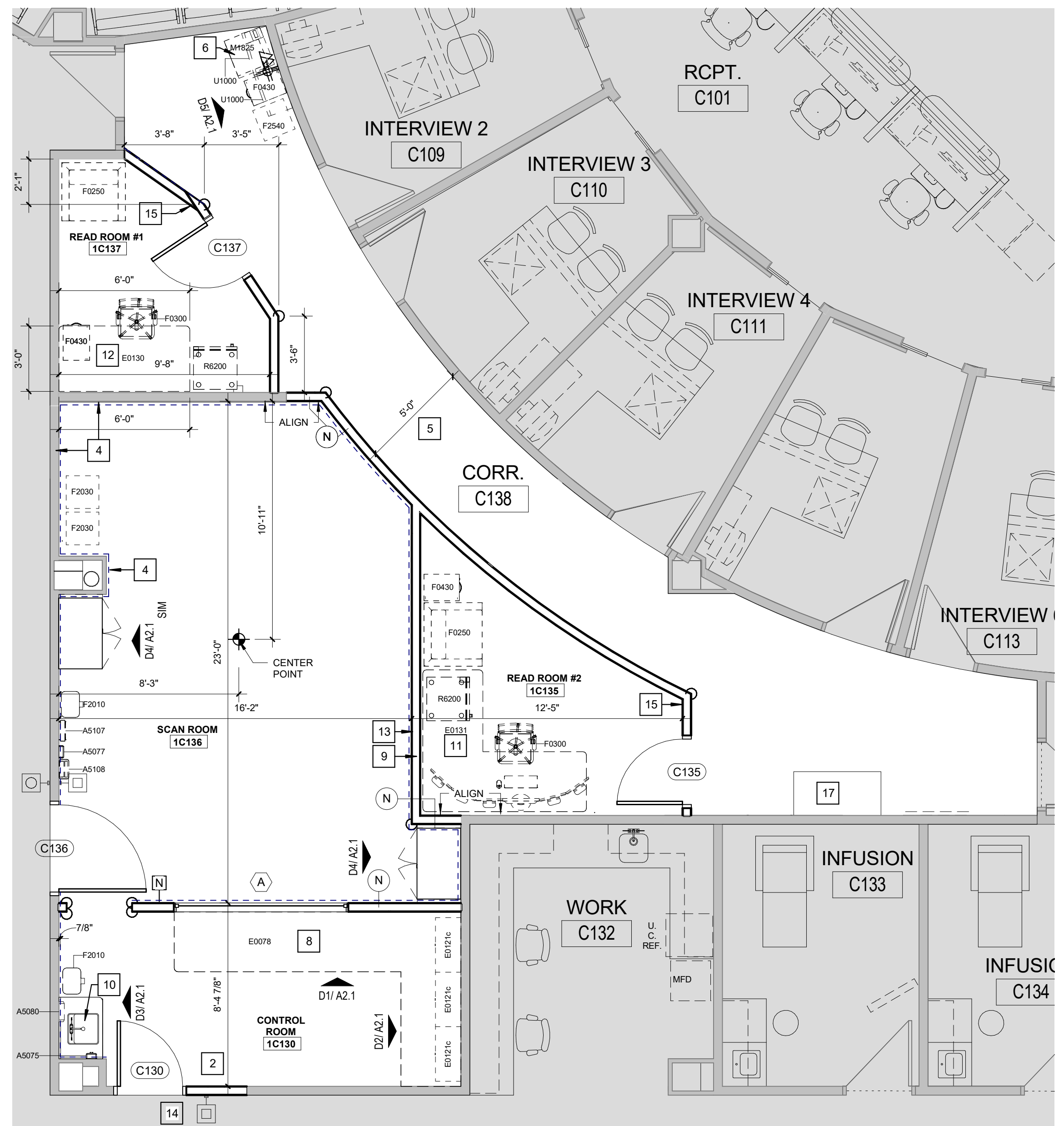


KEYNOTES - FLOOR PLAN

Table with columns: NUMBER, COMMENTS. Lists keynotes for construction details like concrete sidewalk, door openings, equipment relocation, etc.



A4 OVERALL PLAN 1/8" = 1'-0"



B6 ENLARGED PLAN 1/4" = 1'-0"

STATE OF MISSOURI ARCHITECT SAMUEL BECKMAN A-20110 ARCHITECT 4/7/2023 12:02:14 PM Samuel K. Beckman - Architect License - Missouri WA-2011012130

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Nuclear Medicine / Spect. CT remodel 100 NE Saint Luke's Blvd Saint Luke's East Lee's Summit, MO 64086

Date 4/07/2023 Job Number 3-23005 Drawn By Author Checked By Checker

Revision table with columns: Number, Date, Description. Shows revision 1 for A2.1.

DOOR SCHEDULE

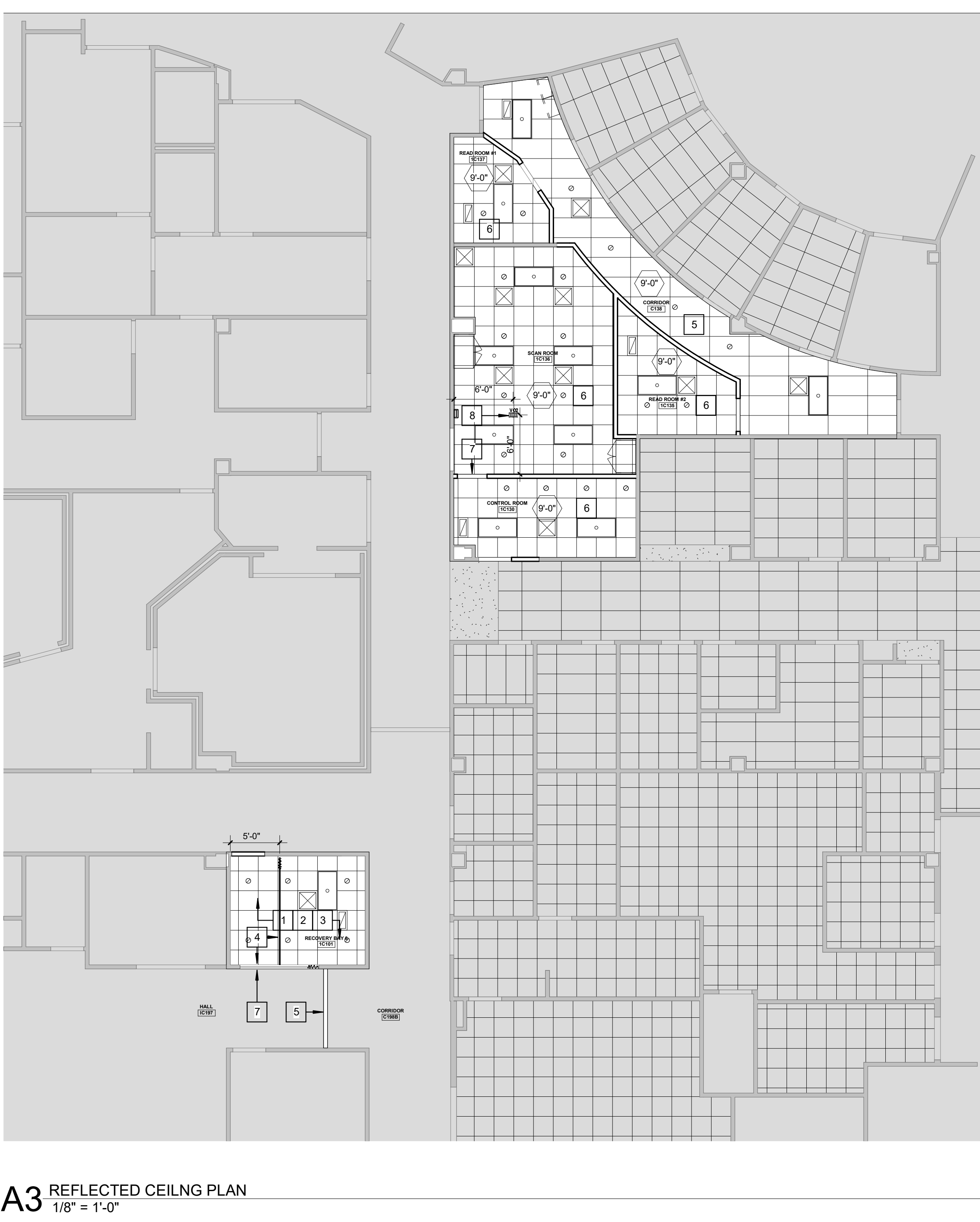
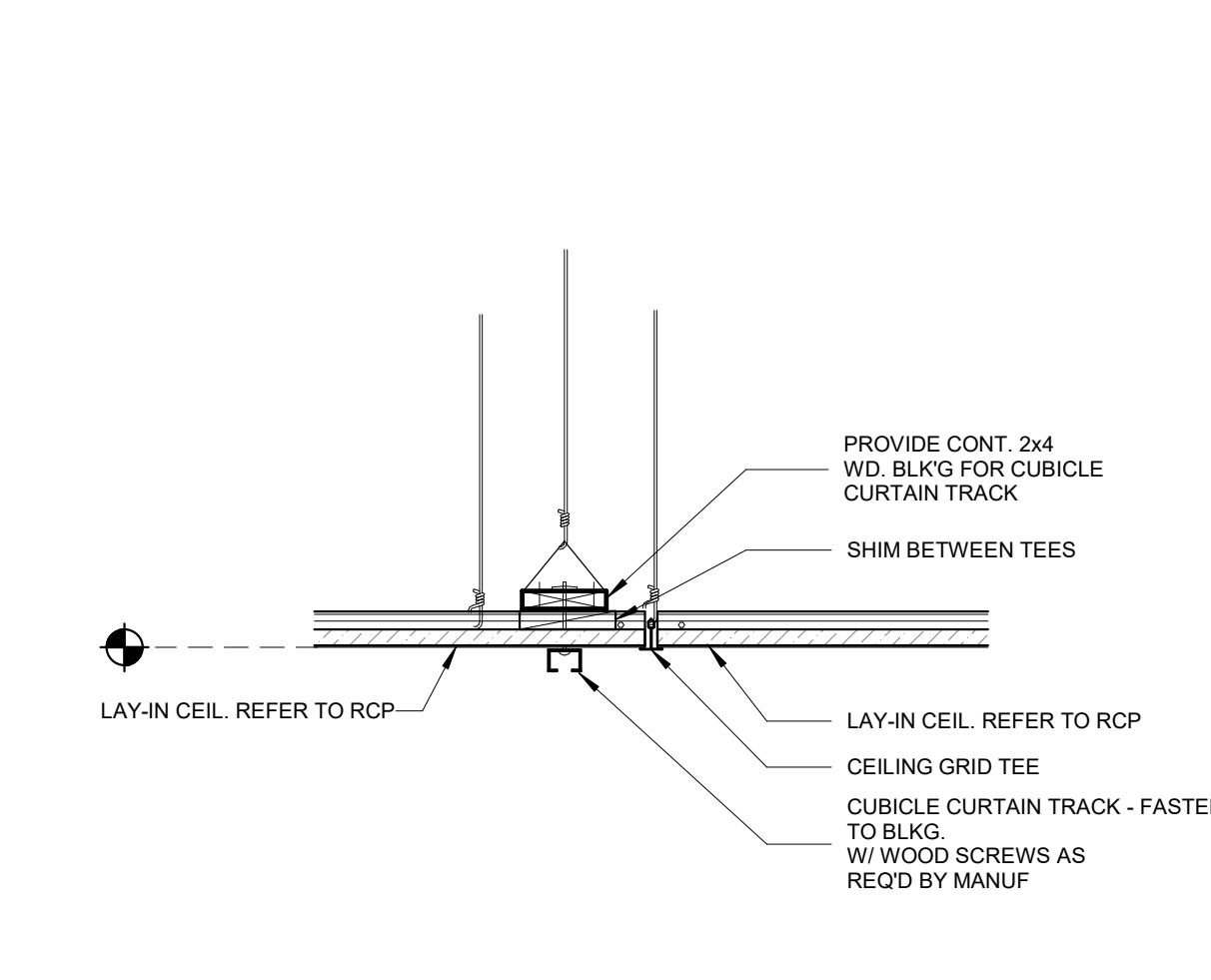
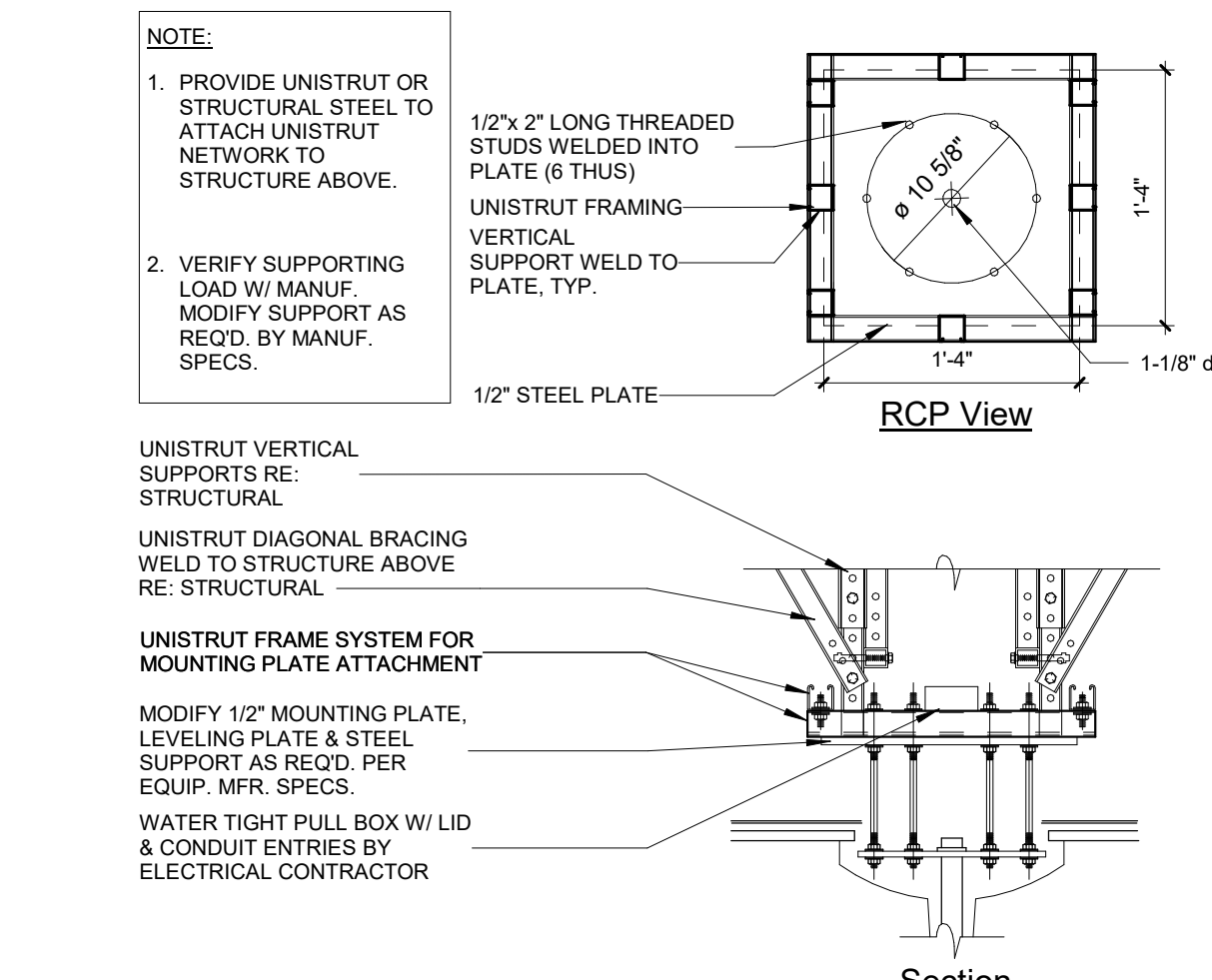
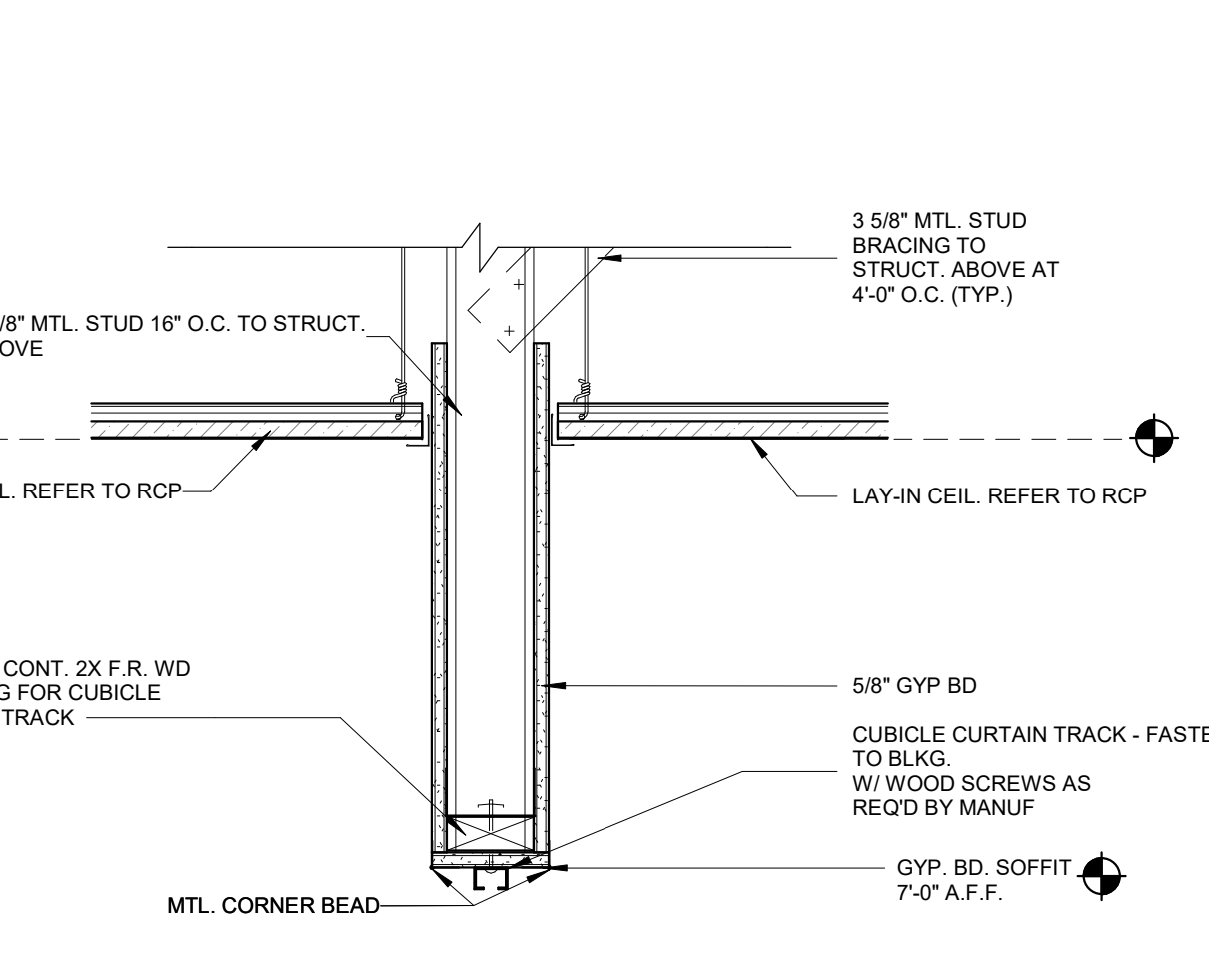
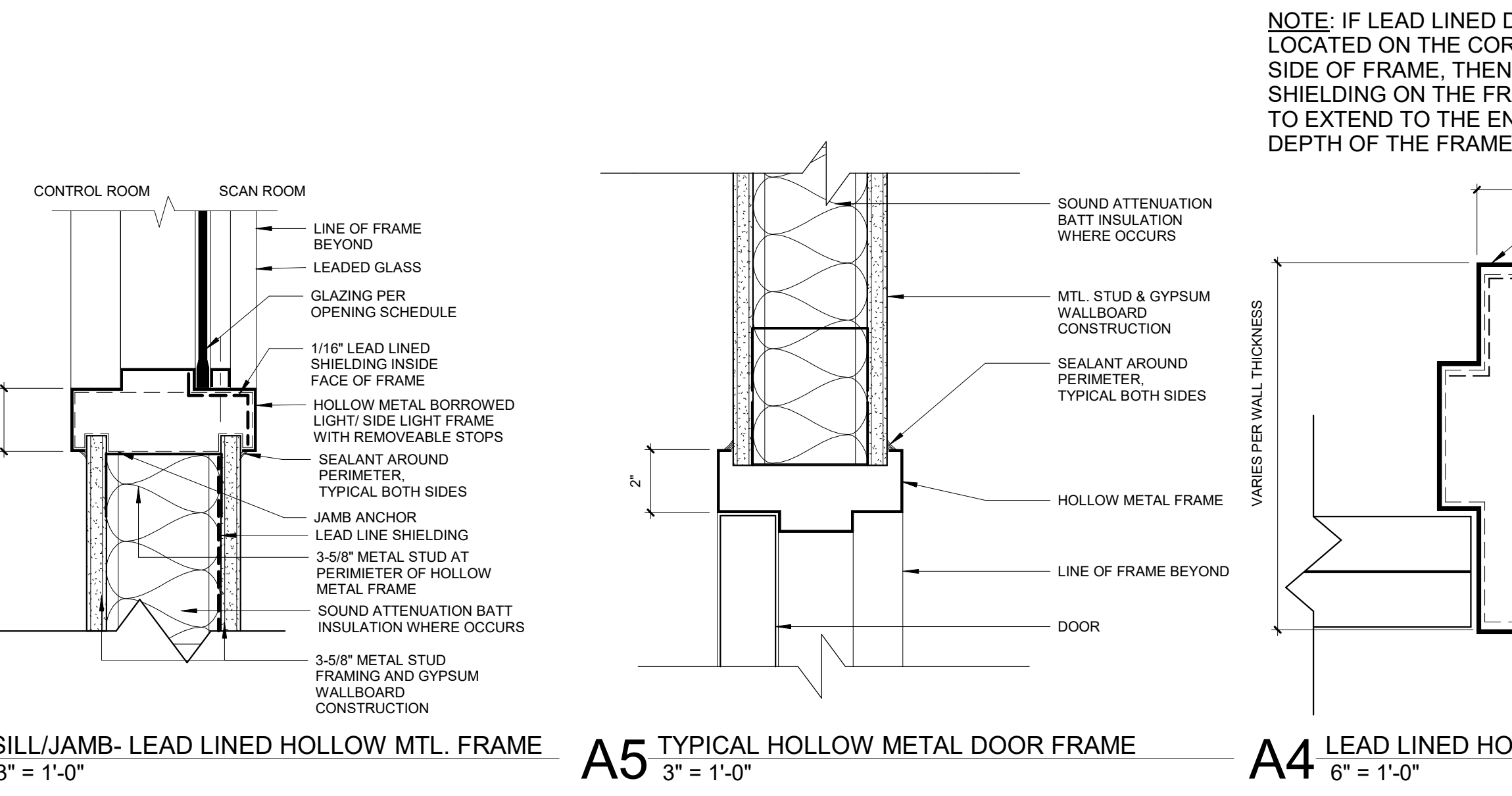
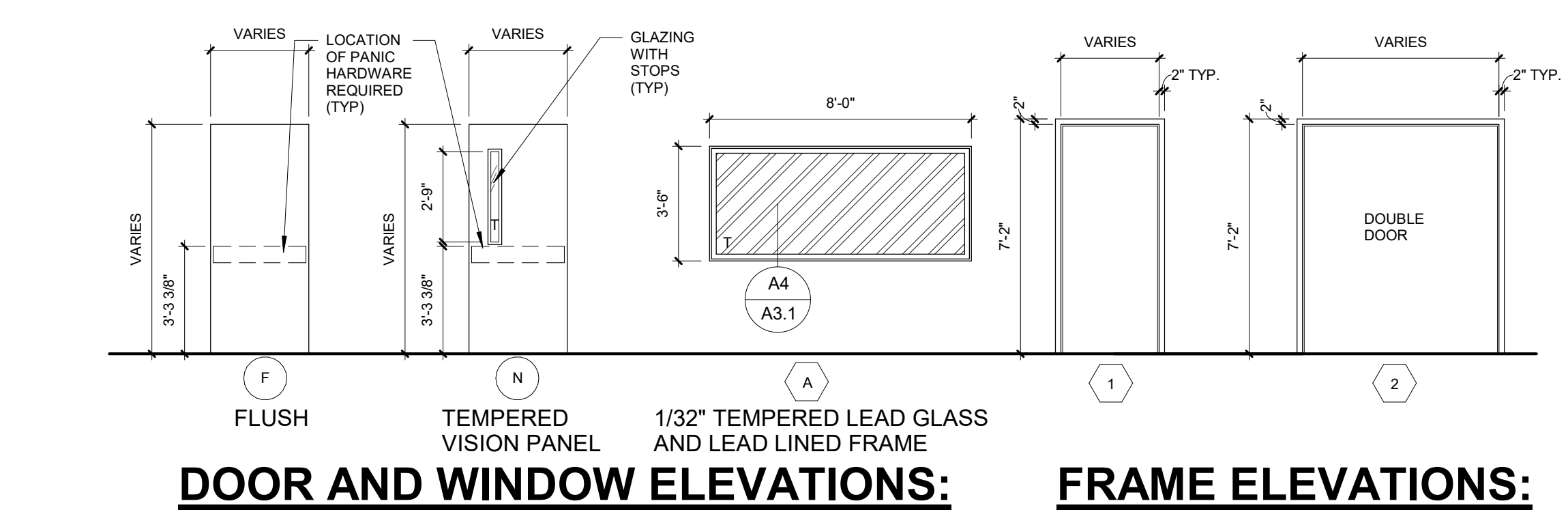
DOOR #	ROOM NAME	DOOR INFORMATION				FRAME INFORMATION		OPENING DETAIL		REMARKS	REV #				
		WIDTH	HEIGHT	NO. OF LEAVES	ELEV.	MATL.	ELEV.	MATL.	GLAZING			LABEL (MIN)	HARDWARE SET		
C130	CORRIDOR	3'-10"	7'-0"	2	F	WD	2	HM	--	0 min	Z	A5	A5	ALT #1: REPLACE WITH EXISTING HARDWARE, INSTALL NEW WAVE TO OPEN FOR EGRESS.	
C130	CONTROL ROOM	3'-0"	7'-0"	1	F	WD	1	HM	--	0 min	Z	A5	A5	OFFICE HARDWARE SET	
C135	READ ROOM #2	3'-0"	7'-0"	1	F	WD	1	HM	--	0 min	Z	A4	A4	LEAD LINED DOOR, CARD READER WITH AUTO-OPENER, WAVE TO OPEN FOR EGRESS	
C136	SCAN ROOM	4'-0"	7'-0"	1	F	WD	1	HM	--	0 min	Z	A5	A5	OFFICE HARDWARE SET	

DOOR AND HARDWARE NOTES

- DOOR OPENING DEVICES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST. DOOR KNOBS ARE PROHIBITED.
- ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF SPECIAL TOOLS. A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOUBLE KEYED DEAD BOLTS ARE PROHIBITED.
- PROVIDE HARDWARE INCLUDING, BUT NOT LIMITED TO THAT SHOWN IN THE HARDWARE GROUPS FOR THE NORMAL OPERATION AND USE OF EACH DOOR. MAKE RECOMMENDATIONS FOR ADDITIONAL ITEMS IN HARDWARE SUBMITTAL AS REQUIRED.
- ALL HARDWARE SHALL BE IN COMPLIANCE WITH ADA GUIDELINES AND NATIONAL BUILDERS HARDWARE ASSOCIATION STANDARDS.
- HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- HARDWARE: FINISH TO BE BUILDING STANDARD UNLESS NOTED OTHERWISE. COORDINATE AND VERIFY WITH HOSPITAL FACILITIES REPRESENTATIVE ON ALL HARDWARE PRIOR TO ORDERING.
- CONTRACTOR TO SUBMIT DOOR AND HARDWARE SHOP DRAWINGS TO OWNER FOR REVIEW PRIOR TO WORK BEING PERFORMED. FAILURE TO SUBMIT DRAWINGS RESULTS IN THE CONTRACTOR ASSUMING ALL RESPONSIBILITY AT THEIR OWN EXPENSE.
- HARDWARE MANUFACTURERS:
 - BUTTS AND HINGES:
 - A. IVE'S, DIV. ALLEGION DOOR HARDWARE GROUP
 - B. HAGER HINGE CO.
 - C. STANLEY HARDWARE, DIV. STANLEY WORKS
 - CONTINUOUS HINGES:
 - A. IVE'S, DIV. ALLEGION DOOR HARDWARE GROUP
 - B. HAGER HINGE CO.
 - C. SELECT PRODUCTS
 - CYLINDERS AND LOCKS:
 - A. LOCKS: SCHLAGE LOCK, DIV. ALLEGION DOOR HARDWARE GROUP
 - B. CYLINDERS: CORBIN RUSSWIN, AN ASSA ABLOY COMPANY.
 - EXITS:
 - A. VON DUPRIN, DIV. ALLEGION DOOR HARDWARE GROUP
 - BOLTS:
 - A. ROCKWOOD MANUFACTURING COMPANY
 - B. IVE'S, DIV. ALLEGION DOOR HARDWARE GROUP
 - C. HAGER HINGE CO.
 - OVERHEAD CLOSERS:
 - A. LCN CLOSERS, DIV. ALLEGION DOOR HARDWARE GROUP
 - DOOR CONTROL DEVICES:
 - A. ROCKWOOD MANUFACTURING COMPANY
 - B. IVE'S, DIV. ALLEGION DOOR HARDWARE GROUP
 - C. HAGER HINGE CO.
 - KICK PLATES:
 - A. ROCKWOOD MANUFACTURING COMPANY
 - B. IVE'S, DIV. ALLEGION DOOR HARDWARE GROUP
 - C. HAGER HINGE CO.
 - DOOR STRIPPING AND SEALS:
 - A. NATIONAL GUARD PRODUCTS, INC.
 - B. HAGER HINGE CO.
 - C. PEMKO MANUFACTURING CO., INC.
 - THRESHOLDS:
 - A. NATIONAL GUARD PRODUCTS, INC.
 - B. HAGER HINGE CO.
 - C. PEMKO MANUFACTURING CO., INC.

DOOR HARDWARE SETS

HARDWARE SET: 01		DOOR NUMBER: C130	
EACH TO HAVE:			
QTY	DESCRIPTION	CATALOG NUMBER	FINISH MFR
3 EA	HINGE	581HW	IVE
1 EA	STOREROOM LOCK	N08LD RHO	626 SCH
1 EA	CYLINDER	BY OWNER	630 SCH
1 EA	ELECTRIC STRIKE	6211 FSE 12/16/24/28 VACVDC	630 VON
1 EA	OH STOP	908	630 GLY
1 EA	SURFACE CLOSER	488XP	699 LCN
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	630 IVE
1 EA	GASKETING	4888BR PSA	BR ZER
1 EA	DOOR CONTACT	679-05	WHT SCE
1 EA	ACTUATOR, TOUCHLESS	8310A13	BLK LCN
1 EA	NOTE	LOW VOLTAGE POWER BY SECURITY	B/D
1 EA	NOTE	WIRING DIAGRAM BY SECURITY	B/D
1 EA	NOTE	CARD ACCESS BY SECURITY	B/D
1 EA	NOTE	OPERATION: DOOR NORMALLY CLOSED AND LOCKED. ENTRY VIA VALID CARD READ. ALWAYS FREE FOR EGRESS.	B/D
HARDWARE SET: 02		DOOR NUMBER: C136	
EACH TO HAVE:			
QTY	DESCRIPTION	CATALOG NUMBER	FINISH MFR
1 EA	PIVOT SET	7215 INT	626 IVE
1 EA	INTERMEDIATE PIVOT	L089L MSA	626 SCH
1 EA	STOREROOM LOCK	BY OWNER	630 SCH
1 EA	CYLINDER	BY OWNER	630 VON
1 EA	ELECTRIC STRIKE	6211 FSE 12/16/24/28 VACVDC	630 VON
1 EA	AUTO OPERATOR	5V2001	699 BES
1 EA	ACTUATOR, TOUCHLESS	8310A13	BLK LCN
1 EA	PRESENCE SENSOR	SUPERSCAN	630 BEA
1 EA	ARMOR PLATE	8402 34" X 2" LDW B-NH-A	630 IVE
1 EA	GASKETING	4888BR PSA	BR ZER
1 EA	DOOR CONTACT	679-05	WHT SCE
1 EA	NOTE	CARD ACCESS BY SECURITY	B/D
1 EA	NOTE	LOW VOLTAGE POWER BY SECURITY	B/D
1 EA	NOTE	WIRING DIAGRAM BY SECURITY	B/D
1 EA	NOTE	OPERATION: DOOR NORMALLY CLOSED AND LOCKED. ENTRY VIA VALID CARD READ, RELEASING ELECTRIC STRIKE AND INITIATING AUTO OPERATOR CYCLE. ALWAYS FREE FOR EGRESS. EGRESS BY AUTO OPERATOR BY PRESSING INTERIOR ACTUATOR, FIRST RELEASING ELECTRIC STRIKE THEN INITIATING AUTO OPERATOR CYCLE.	B/D
1 EA	NOTE	WRAP ELECTRIC STRIKE POCKET WITH LEAD.	B/D
HARDWARE SET: 03		DOOR NUMBER: C135, C137	
EACH TO HAVE:			
QTY	DESCRIPTION	CATALOG NUMBER	FINISH MFR
3 EA	HINGE	581HW	IVE
1 EA	ENTRANCE LOCK	N08LD RHO	626 SCH
1 EA	CYLINDER	BY OWNER	630 SCH
1 EA	WALL STOP	W5480/407CCV	630 IVE
1 EA	GASKETING	4888BR PSA	BR ZER
HARDWARE SET: 04		DOOR NUMBER: C139	
EACH TO HAVE:			
QTY	DESCRIPTION	CATALOG NUMBER	FINISH MFR
1 EA	ACTUATOR, TOUCHLESS	8310A13	BLK LCN
1 EA	NOTE	REMAINDER OF HARDWARE EXISTING	
1 EA	NOTE	REPLACE EXISTING WALL ACTUATOR ON PUSH SIDE WITH NEW TOUCHLESS ACTUATOR. EXISTING PULL SIDE CARD READER TO REMAIN	



- ### REFLECTED CEILING NOTES
- EXISTING MEPPF DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND/OR FIELD OBSERVATIONS. THE OWNER/ARCHITECT DOES NOT GUARANTEE THE ACCURACY, LOCATION OR QUANTITY OF EXISTING DEVICES.
 - CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
 - ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
 - PAINT THE UNDERSIDE OF ALL GYPSUM BOARD CEILINGS, BULKHEADS AND SOFFITS (PT-H) UNLESS NOTED OTHERWISE.
 - THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.
 - CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
 - SEE SPECIFICATIONS AND FINISH SCHEDULE FOR CEILING TYPES.
 - REFER TO FINISH FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
 - ALL CEILINGS SHALL BE 9'-0" AFF UNLESS OTHERWISE NOTED.
 - MEPPF DEVICES SHOWN ON THE ARCHITECTURAL CONTRACT DOCUMENTS SHOW DESIGN INTENT ONLY. ITEMS NOT SPECIFICALLY SHOWN, BUT REQUIRED TO FULFILL THE DESIGN INTENT, ARE TO BE PROVIDED BY THE DESIGN BUILDER TO PROVIDE A FULLY FUNCTIONING MEPPF SYSTEM.
 - COORDINATE WITH OWNER FOR EXACT SWITCH LOCATIONS PRIOR TO WORK BEING PERFORMED.

CEILING LEGEND

○	RECESSED CAN LIGHT FIXTURE RE: ELECT
○	2X4 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
○	2X2 RECESSED/SURFACE LIGHT FIXTURE RE: ELECT
□	2X2/24" LAY-IN ACOUSTICAL CEILING
⊠	SUPPLY AIR GRILLE RE: MECH
⊠	RETURN AIR OR EXHAUST GRILLE RE: MECH
9'-0"	CEILING HEIGHT

KEYNOTES - RCP

Number	Comments
1	EXISTING GRID TO REMAIN. ADD CROSS TEES TO SUPPORT NEW 2X2 ACT. TILES, RE: INTERIOR FINISH LEGEND
2	NEW CEILING TILES AND LIGHTS
3	CLEAN EXISTING DIFFUSERS AND GRILLS
4	NEW CUBICLE CURTAIN TRACK, REF. DETAIL THIS SHEET
5	MODIFY EXISTING CEILING GRID TO COORDINATE WITH NEW CONSTRUCTION. REPLACE ANY DAMAGED CEILING TILES.
6	NEW CEILING AND GRID
7	GYP. BD. BULKHEAD, REF. DETAIL THIS SHEET
8	CENTER POINT OF CEILING MOUNTED MEDGAS HOSE REEL: (1) 0 (1) 1/4" (1) 1/2" (2) ELECT. RE: MECH. SUPPORTED WITH NEW UNISTRUT STRUCTURE ABOVE CEILING. RE: DETAIL THIS PAGE

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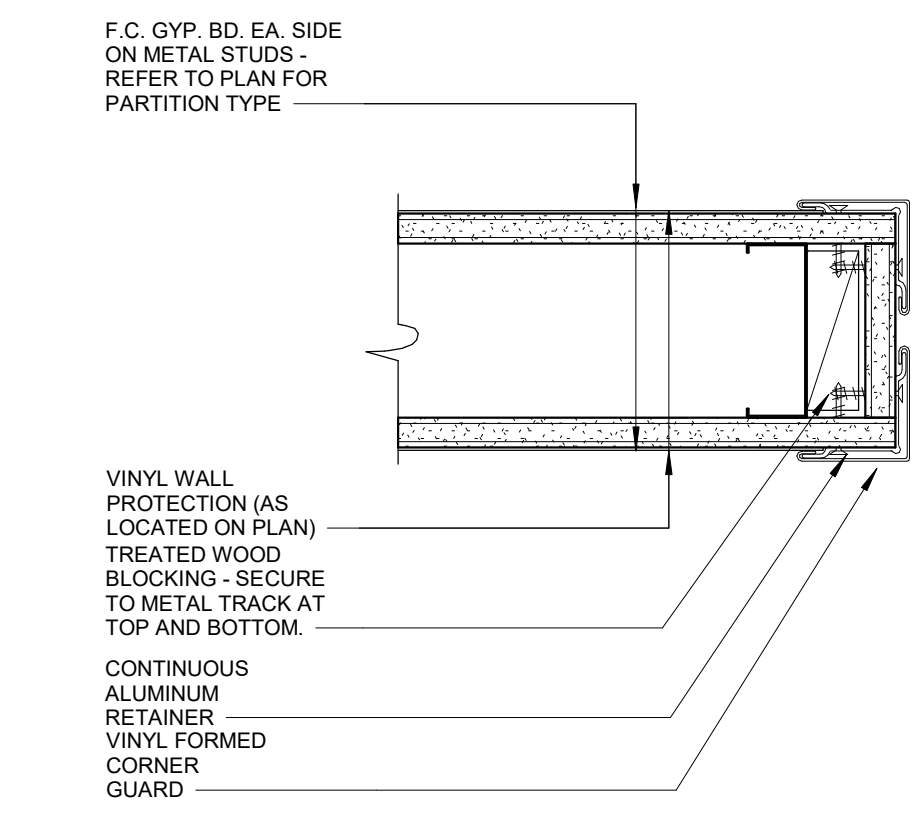
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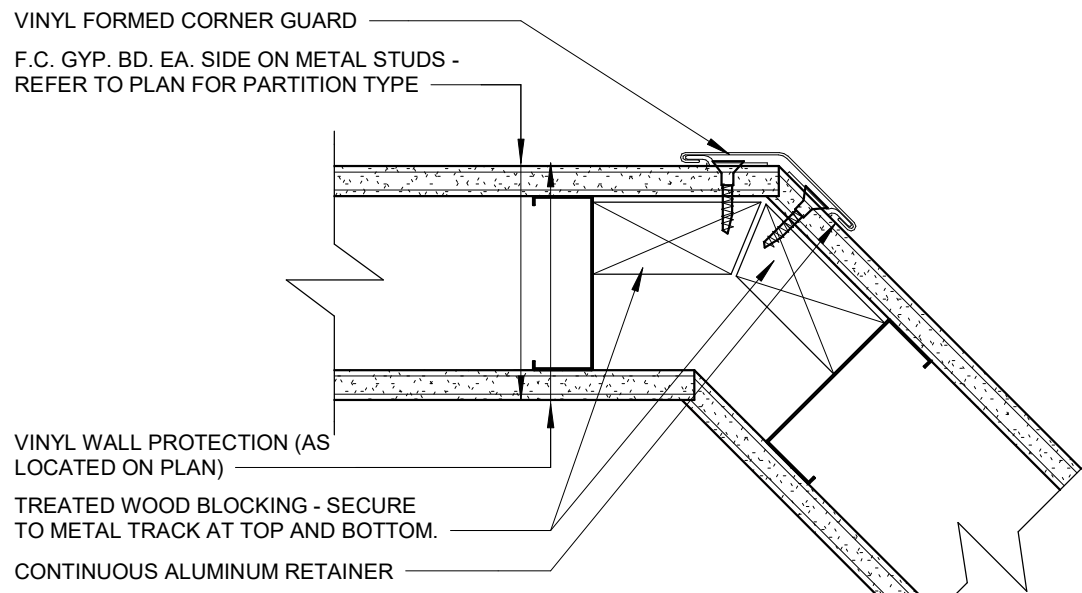
Date	4/07/2023
Job Number	3-23005
Drawn By	Author
Checked By	Checker

Revision	Number	Date	Description

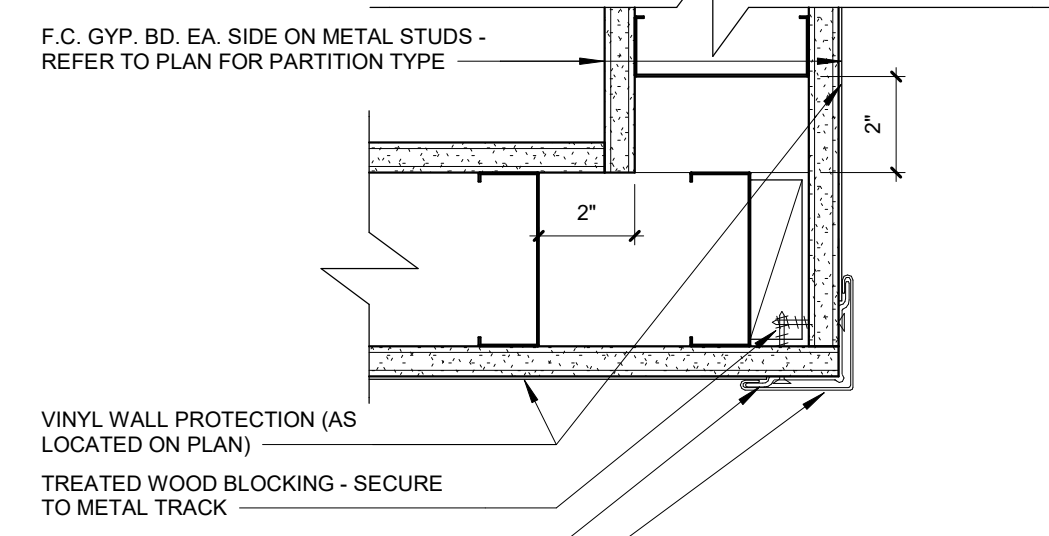
A3.1
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FIRST FLOOR REFLECTED CEILING PLAN AND DOOR SCHEDULE



E6 TYPICAL DOUBLE VINYL CORNER GUARD 3\"/>



E5 TYPICAL ANGLED VINYL CORNER GUARD 3\"/>



E4 TYPICAL SINGLE VINYL CORNER GUARD 3\"/>

GENERAL CASEWORK NOTES

- 1. GENERAL CASEWORK NOTES APPLY TO ALL INTERIOR ELEVATIONS.
2. PROVIDE 3 MM PVC EDGE BANDING ON COUNTERTOP EDGE AND (8 1/8 MIN.) VINYL EDGING ON DRAWER AND DOOR EDGES UNLESS NOTED OTHERWISE.
3. ALL EXPOSED FACES AND SHELVES TO BE WRAPPED WITH P. LAM. UNLESS NOTED OTHERWISE.
4. ALL INTERIOR SURFACES TO BE WHITE MELAMINE U.O.N.
5. PROVIDE WOOD BLOCKING OR 12\"/>

INTERIOR FINISH LEGEND

Table with columns: MARK, ITEM, MANUFACTURER, MODEL/PATTERN, COLOR, SIZE, REMARKS, REVISION #. Includes entries for FLOOR, WALL, CASEWORK, and CEILING finishes.

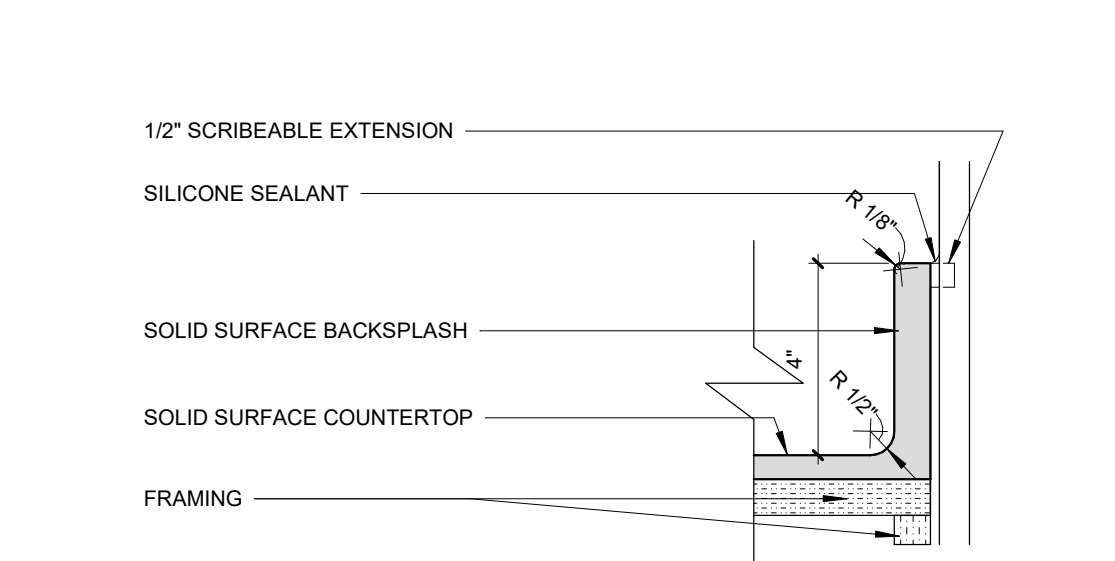
ROOM FINISH SCHEDULE

Table with columns: ROOM NUMBER, ROOM NAME, FLOOR FINISH, BASE FINISH, WALLS (NORTH, EAST, WEST, SOUTH), CASEWORK, COUNTERTOPS, SINKS, CEILING, NOTES, REVISION #.

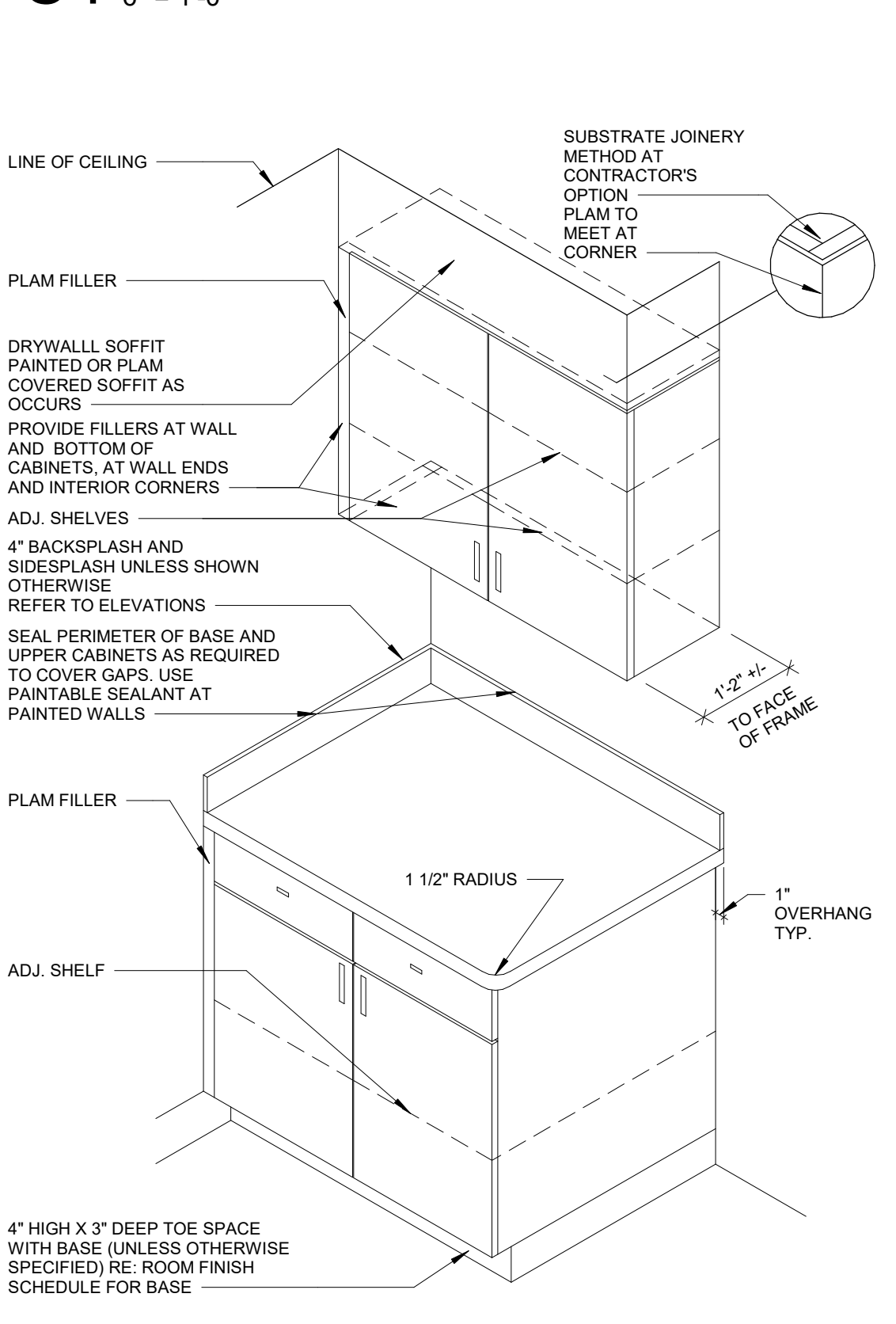
GENERAL ROOM FINISH SCHEDULE NOTES

- A REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR WALL FINISHES, WALL PROTECTION, CORNER GUARDS, WINDOW TREATMENTS, FLOOR FINISH APPLICATION AND LOCATIONS
B ALL SOLID WOOD, WOOD VENEER, AND PLASTIC LAMINATE GRAIN SHALL BE VERTICALLY ORIENTED UNLESS OTHERWISE NOTED
C DOOR FRAMES: HOLLOW METAL WINDOW FRAMES TO BE PT-1 UNLESS OTHERWISE NOTED
D ALL FACES AND UNDERSIDES OF SOFFITS AND HEADERS TO BE PT-1 UNLESS OTHERWISE NOTED
E WALL EXPANSION JOINTS TO BE PT-1 UNLESS OTHERWISE NOTED
F ALL ELECTRICAL PANELS AND METAL GRILLES SHALL BE PTD TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED
G ALL COLUMN SURROUND FINISHES TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED
H WHERE A WALL IS INDICATED TO HAVE PARTIAL OR FULL HT WALL PROTECTION, THE ENTIRE WALL IS TO BE PTD PRIOR TO WALL PROTECTION INSTALLATION
I EXTEND ALL FINISHES BENEATH BEHIND, AROUND ALL CASEWORK, EQUIPMENT, SIGNAGE, ETC
J ALL WINDOW SILLS TO BE SSS-1
K ALL SST SINKS, RE: MEP
L SUBMIT SAMPLES OF ALL FINISHES TO ARCHITECT FOR REVIEW PRIOR TO THE ORDERING OF MATERIAL
M NO IRREGULARITIES OR IMPERFECTIONS SHALL BE PRESENT IN ANY OF THE MATERIAL BEING INSTALLED. IF SUCH ITEMS ARE IDENTIFIED DURING APPLICATION, WORK SHALL BE STOPPED AND THE ARCHITECT NOTIFIED
N PROVIDE ALL MAINTENANCE MANUALS AND WARRANTY INFORMATION FOR EACH FINISH MATERIAL TO OWNER AT COMPLETION OF THE PROJECT
O FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE WORK OF FINISH APPLICATIONS
P ALL FINISHES SHALL BE INSTALLED AND MARKED PER MANUFACTURER'S RECOMMENDATION AND INDUSTRY STANDARDS
Q THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. SUBSTRATE SHALL BE SMOOTH, FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS
R ALL MATERIAL TO COMPLY WITH FLAME SPREAD CLASSIFICATION EITHER CLASS (1) OR CLASS A DEPENDING ON GOVERNING CODE IN EFFECT
S SMOKE DEVELOPMENT RATING < 450 FOR ALL FINISHES

D5 TYP. ELEV. OF WALL PROTECTION/CORNER GUARD 1\"/>



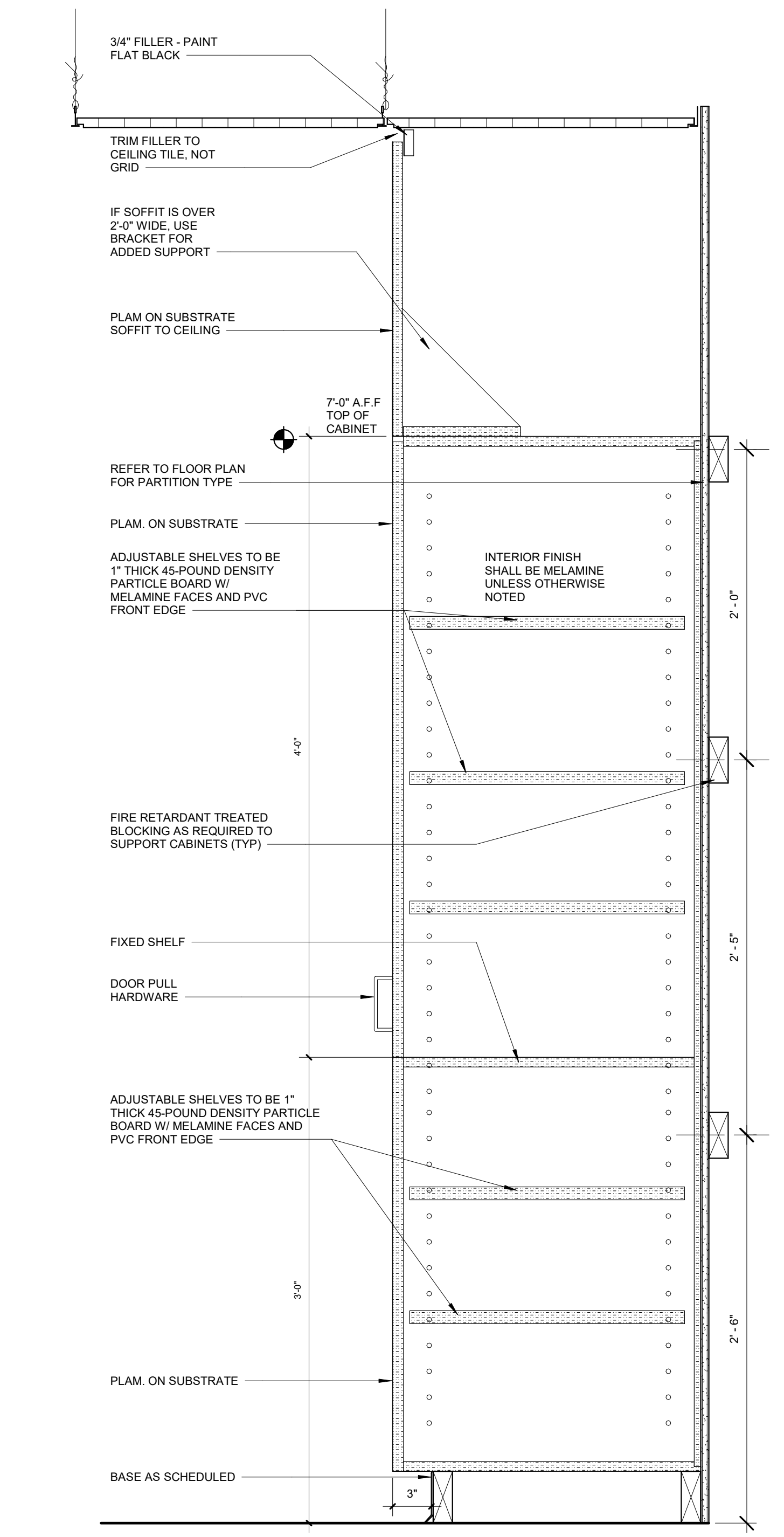
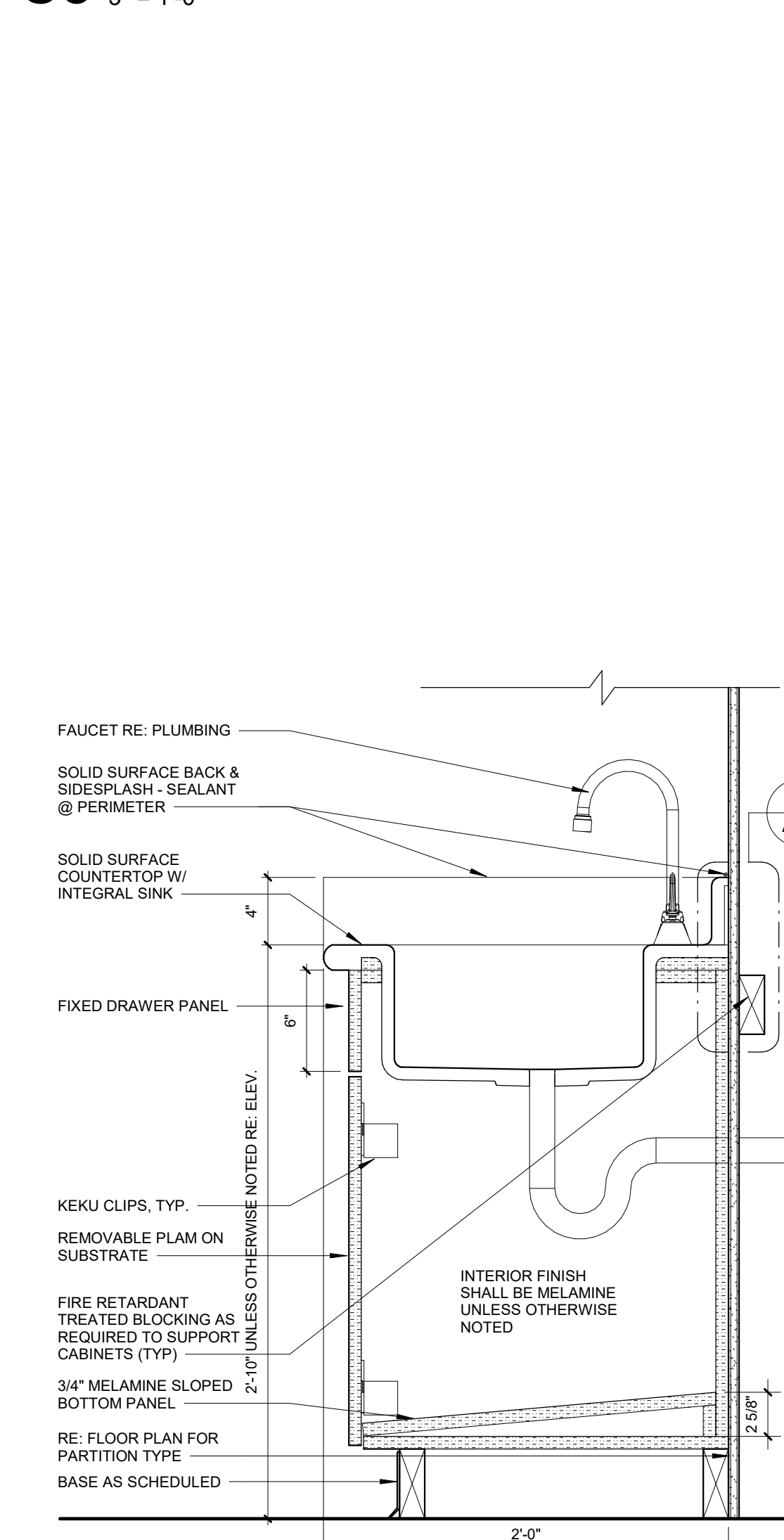
C4 TRANSITION STRIP DETAILS 6\"/>



TYP. CABINET NOTES:

- 1. PROVIDE PLAM FILLER WHERE CABINETS BUTT UP TO WALLS.
2. ALL COUNTERTOPS HAVE A 4\"/>

C5 SECTION DETAIL AT SOLID SURFACE BACKSPLASH 3\"/>

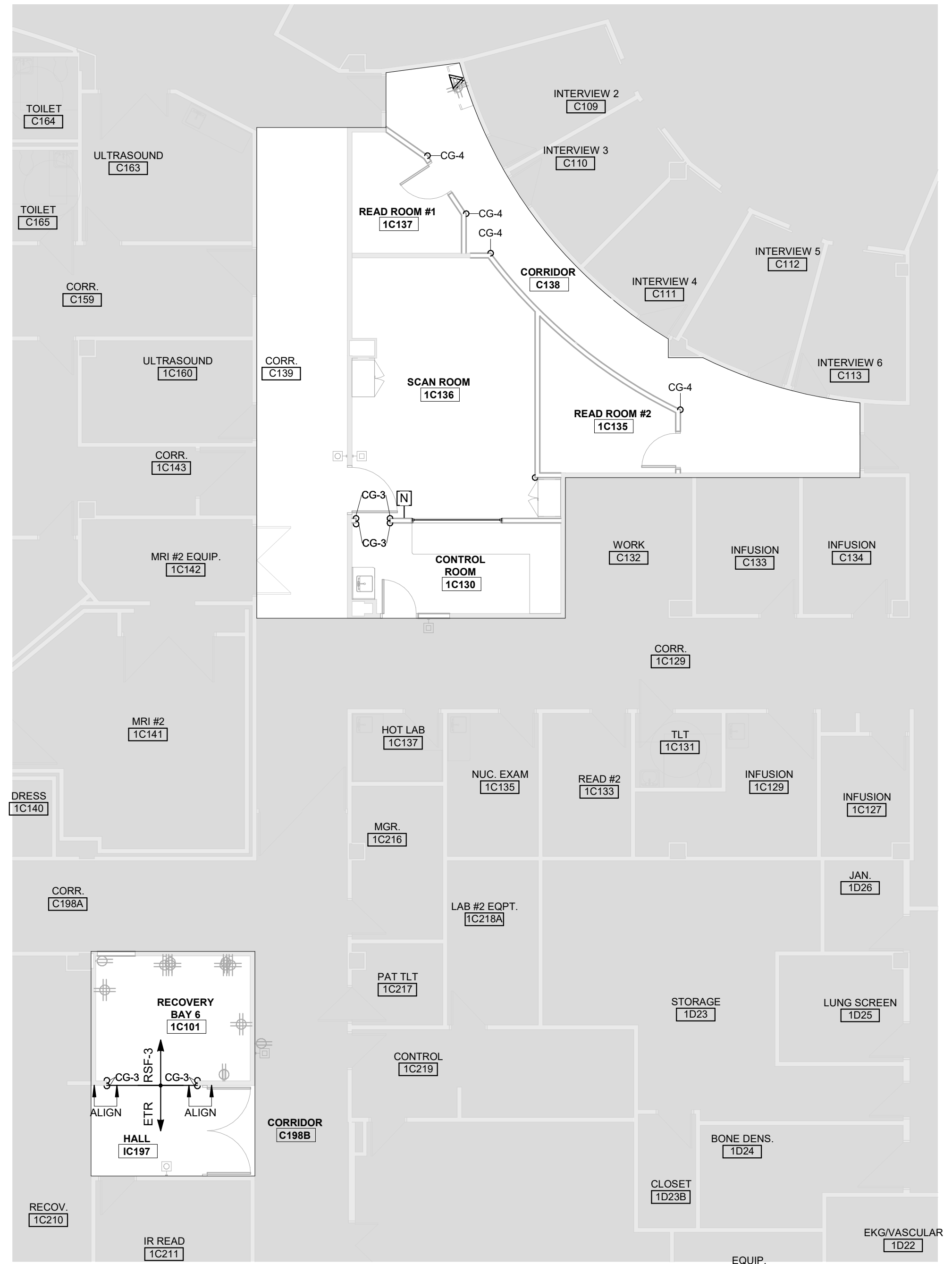
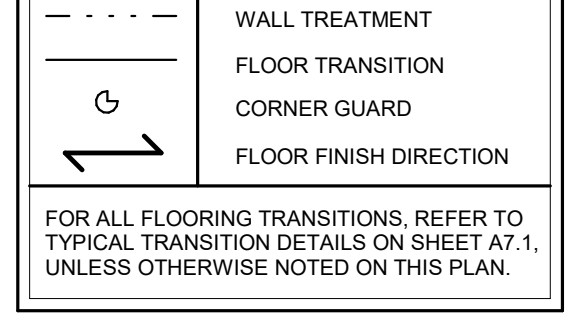


A6 DETAIL AT FULL HEIGHT CABINET 1 1/2\"/>

A5 SINK BASE CABINET SECTION 1 1/2\"/>

A4 CASEWORK ISOMETRIC 1 1/2\"/>

FINISH FLOOR PLAN LEGEND



A2 OVERALL PLAN 1/8\"/>

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Table with columns: Date, Job Number, Drawn By, Checked By, Author, Checker. Values: 4/07/2023, 3-23005, Author, Checker.

Table with columns: Revision, Number, Date, Description.

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4/6/2023 5:05:56 PM
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MO-Nuc Med Replace - C.rvt

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
SK-1	SINK - INTEGRAL WITH COUNTERTOP, PROVIDE PERFORATED TYPE 304 STAINLESS STEEL GRID STRAINER. SINK TRIM - TWO HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, RIGID/WING GOOSENECK SPOUT WITH 5-3/8" REACH, 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT INLET, 4" WRISTBLADE HANDLES AT 4" CENTERS, 1/4-TURN OPERATION CERAMIC DISC CARTRIDGES, PLAIN (UNTHREADED) OUTLET. ACCESSORIES - 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECE AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.	SINK - INTEGRAL WITH COUNTERTOP SINK TRIM - CHICAGO FAUCET (895-317GNZFCXKABCP)

MEDICAL GAS MATERIAL LIST

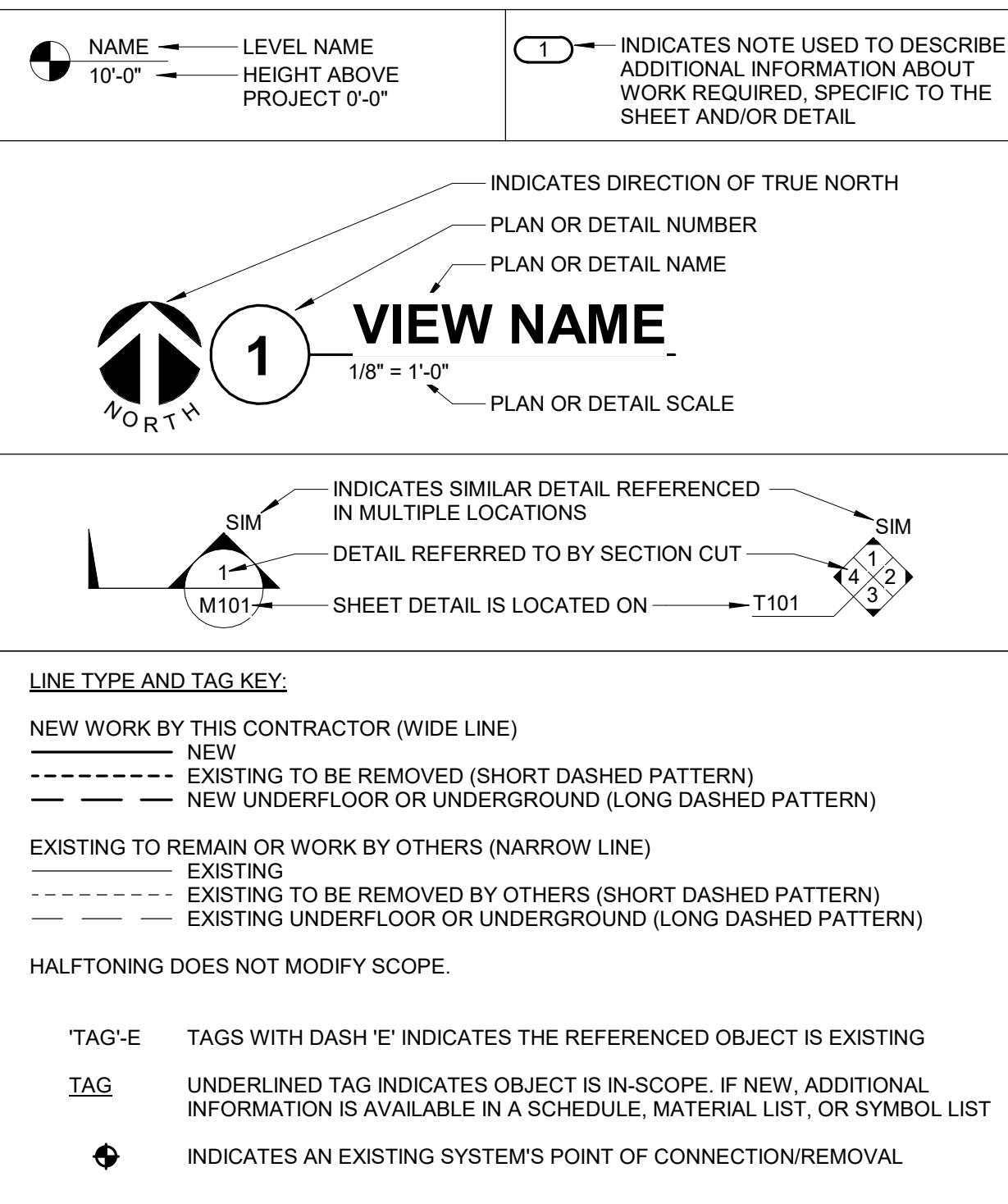
TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
HD-1	HOSE DROP ASSEMBLY WITH RETRACTORS, OUTLETS AND HOSES SHALL BE COLOR CODED FOR PROPER GAS SERVICE. HOSES FOR MEDICAL VACUUM SHALL HAVE MINIMUM I.D. OF 5/16". CONTRACTOR SHALL VERIFY CEILING HEIGHT AND SELECT HOSES SUCH THAT BOTTOM OF HOSE ASSEMBLY TERMINATES 6"4" A.F.F. IN RETRACTED POSITION. ADD 20" OF LENGTH TO EACH HOSE AND COIL TO ALLOW FOR EXTENSION. THIS ASSEMBLY CONTAINS THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET(S) [1] VACUUM (MV) INLET(S) REFER TO 'OUTLETS' FOR ADDITIONAL INFORMATION. EXCEPT ALL CEILING MOUNTED OUTLETS SHALL BE DISS CONNECTION STYLE. HOSE END VALVE FITTINGS SHALL BE PURITAN BENNETT GEOMETRIC CONNECTION STYLE. CONTRACTOR SHALL VERIFY THAT THE HOSE END VALVE CONNECTION STYLE FOR EACH INDIVIDUAL GAS IS COMPATIBLE WITH EQUIPMENT USED IN THE FACILITY. PRIOR TO ORDERING.	BEACONMEDAES
MGO-1	MODULAR MEDICAL GAS OUTLET GROUP WHICH WILL CONTAIN THE FOLLOWING MEDICAL GAS OUTLETS: [1] OXYGEN (O) OUTLET [1] VACUUM (MV) INLET REFER TO 'OUTLETS' FOR ADDITIONAL INFORMATION.	BEACONMEDAES
OUTLETS	MEDICAL GAS SERVICE OUTLET - RECESSED QUICK CONNECT TYPE WALL OUTLET. ROUGHING IN ASSEMBLY, MOUNTING FLANGES, PLASTER STRIKE, SECONDARY CHECK, 3/8" O.D. TYPE K COPPER INLET TUBE, LABEL IDENTIFYING SPECIFIC GAS BY NAME AND COLOR, BRUSHED STAINLESS STEEL FINISHING PLATE. SYMBOLS FOR OUTLETS ARE AS FOLLOWS: O OXYGEN MV MEDICAL VACUUM PROVIDE ONE VACUUM SLIDE ASSEMBLY WITH EACH VACUUM SERVICE OUTLETS FOR ALL GASES SHALL BE PURITAN BENNETT GEOMETRIC CONNECTION STYLE. CONTRACTOR SHALL VERIFY THE OUTLET CONNECTION STYLE FOR EACH INDIVIDUAL GAS IS COMPATIBLE WITH EQUIPMENT USED IN THE FACILITY. PRIOR TO ORDERING.	BEACONMEDAES

MEDICAL GAS ROUGH-IN SCHEDULE

NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS.
2. COORDINATE EXACT CONNECTION TO FIXTURES WITH MANUFACTURER.

TAG NAME	MV	O	NOTES
HD-1	3/4"	1/2"	NOTES 1 & 2.
MGO-1	3/4"	1/2"	NOTES 1 & 2.

VIEW KEY



PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
—C—	COLD WATER - POTABLE
—H—	HOT WATER - POTABLE
—HWC—	HOT WATER CIRCULATING - POTABLE
—MA—	MEDICAL AIR
—MV—	MEDICAL VACUUM
—O—	OXYGEN
—SAN—	SANITARY DRAINAGE
—ST—	STORM DRAIN
—STS—	SECONDARY STORM DRAIN
—V—	VENT
→	PIPE CONTINUATION
→	PIPE CAP
→	PIPE DOWN
→	PIPE UP OR UP/DOWN
→	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
→	PITCH PIPE IN DIRECTION
→	DIRECTION OF FLOW IN PIPE
→	ROUTE TO DRAIN
→	SHUTOFF VALVE NORMALLY OPEN
→	SHUTOFF VALVE NORMALLY CLOSED
→	BALANCING VALVE (NUMBER INDICATES GPM)
→	VALVE BOX
→	MEDICAL GAS OUTLET (MGO)
→	ALARM PANEL
→	HEADWALL
→	SINGLE GAS OUTLET (AIR)
→	SINGLE GAS OUTLET (OXYGEN)
→	SINGLE GAS OUTLET (VACUUM)
→	NITROGEN PRESSURE CONTROL CABINET
→	PRESSURE TRANSDUCER WITH ALARM WRITING

PLUMBING ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
CI	CAST IRON
CO	CLEANOUT
DI	DUCTILE IRON
E	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
MV	MIXING VALVE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
RD	ROOF DRAIN
SCRR	SHORT CIRCUIT CURRENT RATING
SK	SINK
TYP	TYPICAL
VTR	VENT THROUGH ROOF
UON	UNLESS OTHERWISE NOTED

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

PLUMBING SLOPE REQUIREMENTS:

BASED ON PLUMBING CODE: IPC-2018

INTERIOR:	
SANITARY WASTE:	1/2" - 1/2" @ 1/4" PER FOOT 2 3/4" @ 1/8" PER FOOT 2 3/4" @ 1/8" PER FOOT 1/4" PER FOOT
GREASE WASTE:	1/8" PER FOOT
STORM (GRAVITY):	1/8" PER FOOT
CONDENSATE AND INDIRECT DRAINAGE:	1/8" PER FOOT
SANITARY AND GREASE VENT:	NO SPECIFIC PITCH, PITCH TO FIXTURES
DOMESTIC WATER:	NO SPECIFIC PITCH, PITCH TO FIXTURES

PLUMBING + MEDICAL GAS SHEET INDEX

P000	PLUMBING + MEDICAL GAS COVERSHEET
P101	FIRST FLOOR FLOOR DEMOLITION PLAN - PLUMBING
P111	FIRST FLOOR FLOOR DEMOLITION - MEDICAL GAS
P201	FIRST FLOOR FLOOR PLAN - PLUMBING
P211	FIRST FLOOR FLOOR PLAN - MEDICAL GAS
GRAND TOTAL:	5

PLUMBING GENERAL NOTES:

- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR THE SELECTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
- CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
- ALL FIXTURES SHALL CONFORM TO FEDERAL ACT 5 3074.
- INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.
- VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
- REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
- FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.
- EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
- P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.

MEDICAL GAS GENERAL NOTES:

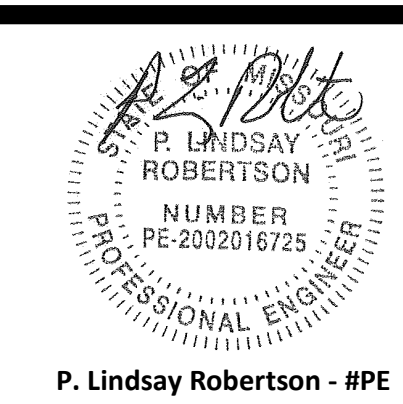
- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR THE SELECTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
- INSTALL WALL MOUNTED OUTLETS 60" AFF UNLESS NOTED OTHERWISE. COORDINATE ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
- REFER TO MEDICAL GAS MATERIAL LIST FOR PIPE SIZES TO INDIVIDUAL OUTLETS.

MECHANICAL GENERAL NOTES:

- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO: FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.
- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
 - DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
 - COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
 - REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
 - ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
 - EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
 - EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
 - IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
 - CALL OUT ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
 - WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATER TIGHT.
 - EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
 - DO NOT BLOCK TUBE RAIL OR EQUIPMENT SERVICE CLEARANCES.
 - MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
 - MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING DUCTWORK, PIPING, ETC.
 - PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
 - DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

MECHANICAL RENOVATION NOTES:

- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO: FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
 - NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
 - FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISERS AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
 - EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
 - THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
 - THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
 - WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
 - OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
 - MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
 - DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.



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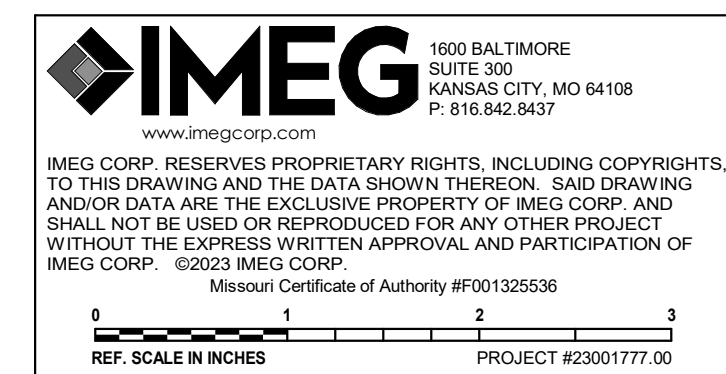
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816.842.8437
Licensee's Certificate of Authority Number:

Nuclear Medicine / Spect. CT remodel
100 NE Saint Luke's Blvd
Saint Luke's East
Lee's Summit, MO 64086

Date 04/07/2023
Job Number 3-23005
Drawn By MCW
Checked By MJL

Number	Date	Description
		Revision

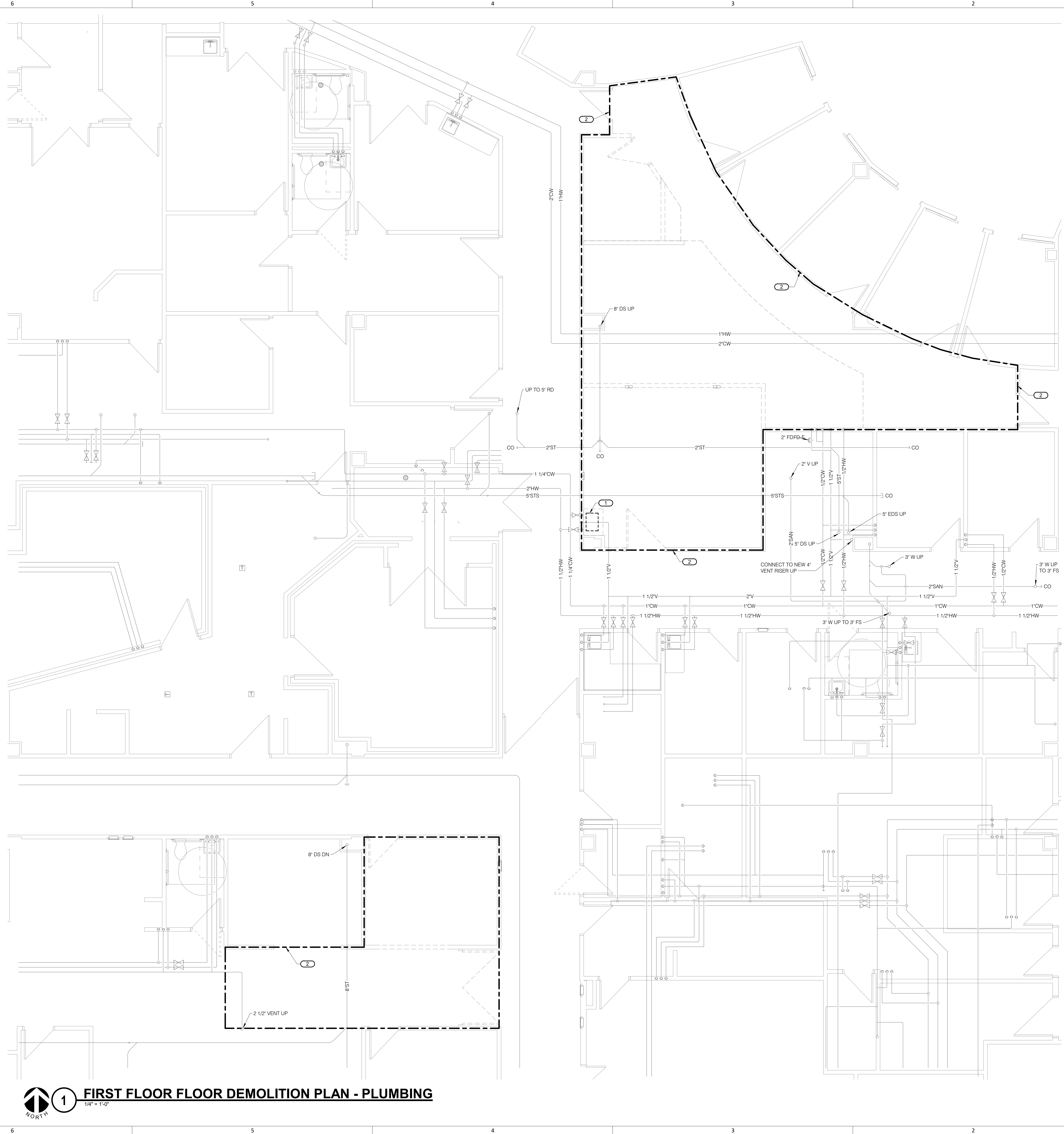


REF. SCALE IN INCHES PROJECT #23001777.00

P000
PLUMBING + MEDICAL GAS
COVERSHEET

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BIN: 360125001777.00 - SLH EastLees Summit - MO-Nuc Med Replace/MEP21_23001777.00_SLH EastLees Summit - MO-Nuc Med Replace_C.rvt 4/6/2023 5:06:04 PM



SHEET NOTES:
 1. REFER TO SHEET P000 FOR GENERAL NOTES AND SYMBOLS LISTS.

KEYNOTES: (#)
 1. DISCONNECT AND REMOVE EXISTING SINK. ROUGH-INS TO REMAIN FOR NEW SINK. SEE NEW PLANS.
 2. SPRINKLER CONTRACTOR SHALL DISCONNECT, RELOCATE AND/OR REMOVE ANY AND/OR ALL SPRINKLER PIPING AND SPRINKLER HEADS AS REQUIRED BY MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS. REMOVE ALL SPRINKLER HEADS THAT ARE NOT CONCEALED TYPE. AFTER ALL LARGER DUCTWORK AND PIPING HAVE BEEN INSTALLED, SPRINKLER CONTRACTOR SHALL REINSTALL SPRINKLER HEADS AND/OR PIPING REQUIRED TO SPRINKLER REMODELED SPACE. SPRINKLER CONTRACTOR SHALL ALSO INSTALL NEW HEADS AND/OR PIPING AS REQUIRED BY REMODEL OF SPACE. ALL SPRINKLERS SHALL BE CONCEALED TYPE.

P. Lindsay Robertson - #PE
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Date	04/07/2023
Job Number	3-23005
Drawn By	MCW
Checked By	MJL

Revision		
Number	Date	Description

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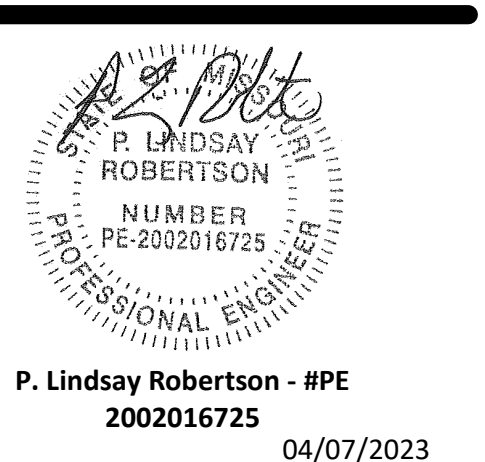
1 **FIRST FLOOR FLOOR DEMOLITION PLAN - PLUMBING**
 1/4" = 1'-0"

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SHEET NOTES:
1. REFER TO SHEET P000 FOR GENERAL NOTES AND SYMBOLS LISTS.

KEYNOTES: (#)
1. DISCONNECT AND REMOVE EXISTING MED GAS OUTLETS ON WALL. DISCONNECT AND REMOVE EXISTING PIPING SHOWN DARK AND DASHED AND ALL ASSOCIATED HANGERS NOT REQUIRED TO REMAIN. CAP AT MAIN AS REQUIRED.



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Date 04/07/2023
Job Number 3-23005
Drawn By MCW
Checked By MJL

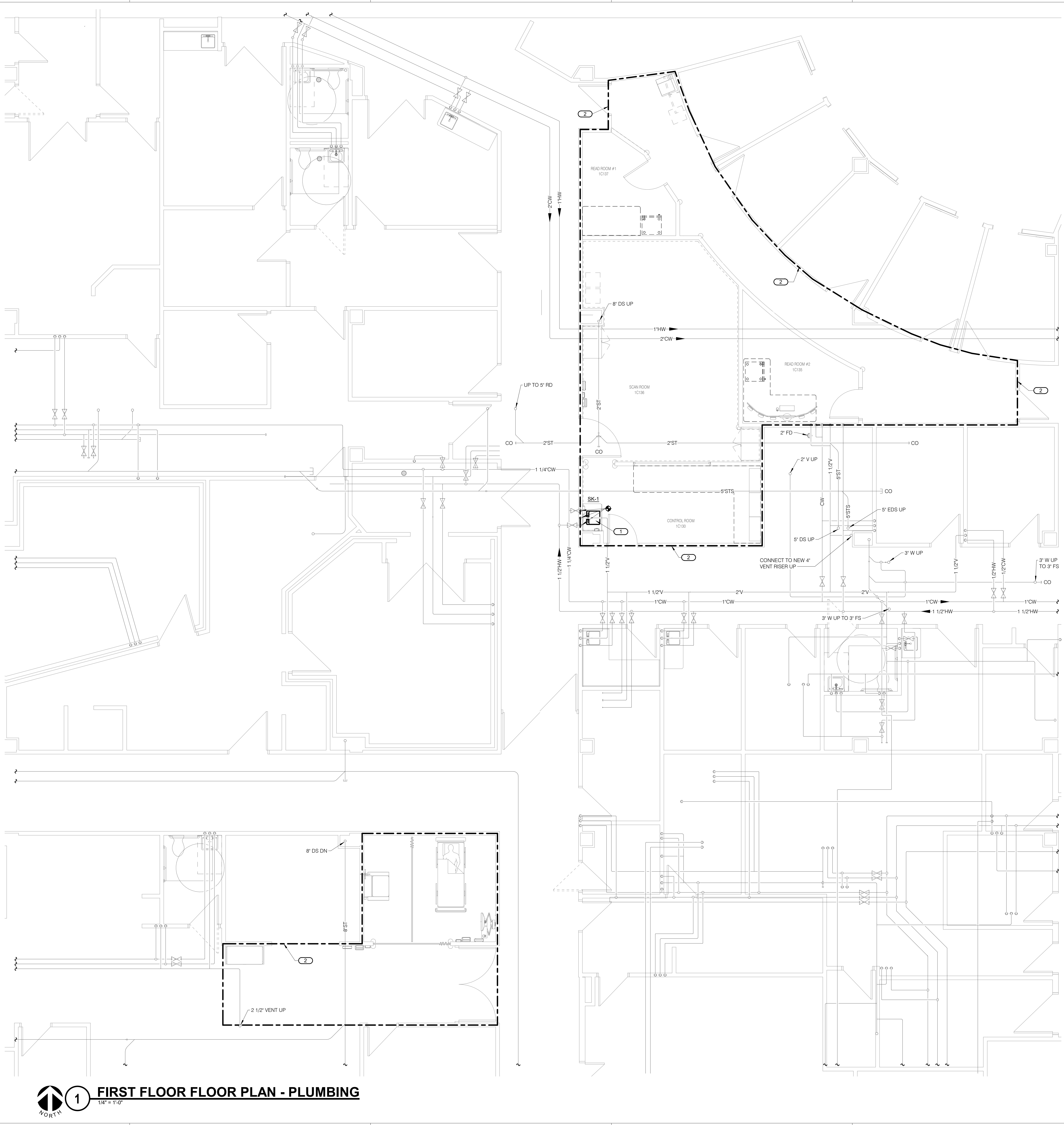
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1 FIRST FLOOR FLOOR DEMOLITION - MEDICAL GAS
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NORTH

P111
© 2022 ACI/BOLAND, Inc.
FIRST FLOOR FLOOR DEMOLITION - MEDICAL GAS

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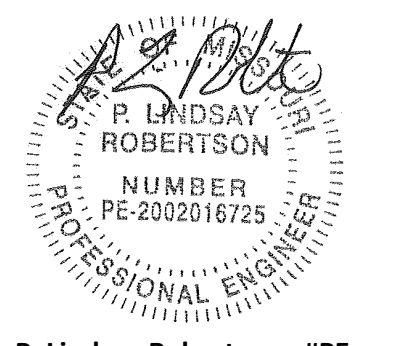


SHEET NOTES:

- REFER TO SHEET P000 FOR GENERAL NOTES AND SYMBOLS LISTS.

KEYNOTES:

- RECONNECT EXISTING CW, HW, V, & SAN TO NEW SINK.
- SPRINKLER CONTRACTOR SHALL DISCONNECT, RELOCATE AND/OR REMOVE ANY AND/OR ALL SPRINKLER PIPING AND SPRINKLER HEADS AS REQUIRED BY MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS. REMOVE ALL SPRINKLER HEADS THAT ARE NOT CONCEALED TYPE. AFTER ALL LARGER DUCTWORK AND PIPING HAVE BEEN INSTALLED, SPRINKLER CONTRACTOR SHALL REINSTALL SPRINKLER HEADS AND/OR PIPING REQUIRED TO SPRINKLER REMODELED SPACE. SPRINKLER CONTRACTOR SHALL ALSO INSTALL NEW HEADS AND/OR PIPING AS REQUIRED BY REMODEL OF SPACE. ALL SPRINKLER SHALL BE CONCEALED TYPE.



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1 FIRST FLOOR FLOOR PLAN - PLUMBING
1/4" = 1'-0"

P201
FIRST FLOOR FLOOR PLAN - PLUMBING

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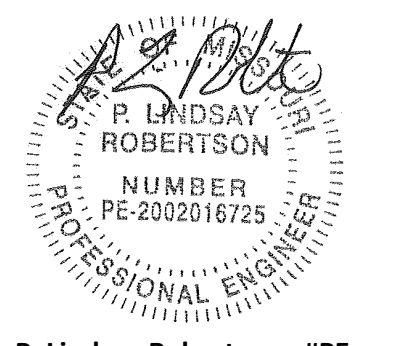


SHEET NOTES:

- REFER TO SHEET P000 FOR GENERAL NOTES AND SYMBOLS LISTS.

KEYNOTES: (#)

- EXTEND O & MV FROM EXISTING LINE TO CONNECT TO NEW HOSE DROP ON CEILING.
- UPDATE LABEL ON ZONE VALVE BOX TO REFLECT ROOMS SERVED.
- THIS MED GAS OUTLET GROUP AND ITS ASSOCIATED BRANCH PIPING ARE ONLY REQUIRED UNDER ALTERNATE BID #2.



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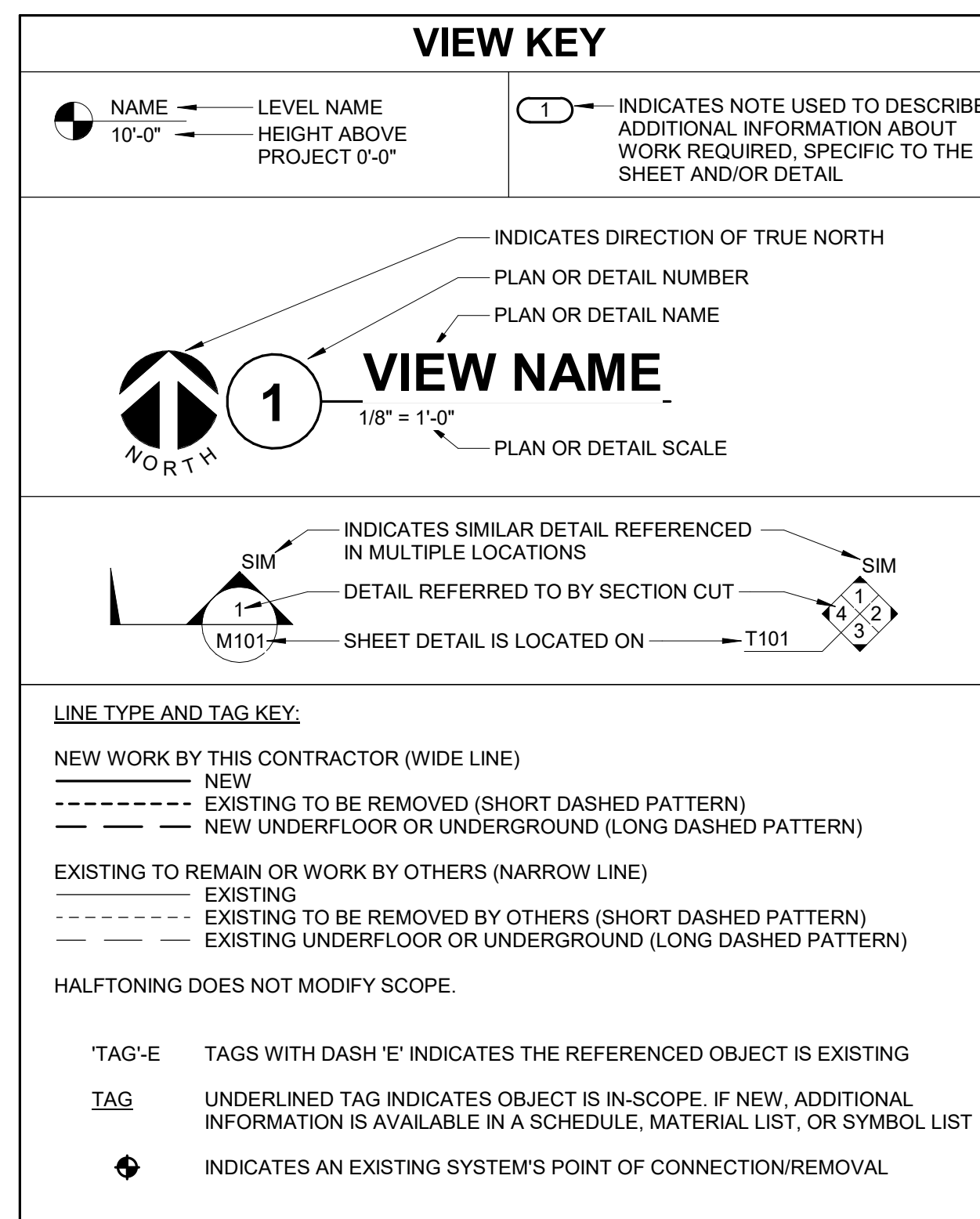
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1 FIRST FLOOR FLOOR PLAN - MEDICAL GAS
1/4" = 1'-0"

P211
FIRST FLOOR FLOOR PLAN - MEDICAL GAS

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CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

MECHANICAL SHEET INDEX

M000	MECHANICAL COVERSHEET
M101	FIRST FLOOR FLOOR DEMOLITION PLAN - PIPING & CONTROLS
M111	FIRST FLOOR FLOOR DEMOLITION PLAN - VENTILATION
M201	FIRST FLOOR FLOOR PLAN - PIPING & CONTROLS
M211	FIRST FLOOR FLOOR PLAN - VENTILATION
M400	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES & CONTROL DIAGRAMS
GRAND TOTAL: 7	

HVAC SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	DRAIN
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	DIELECTRIC CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	THROTTLING VALVE
	BALANCING VALVE (NUMBER INDICATES GPM)
	AUTOMATIC BALANCING VALVE
	MIXING VALVE
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	SOLENOID VALVE
	CHECK VALVE
	TRIPLE DUTY VALVE (ANGLE TYPE)
	TRIPLE DUTY VALVE (IN-LINE TYPE)
	VACUUM BREAKER
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	BASKET STRAINER
	FLEXIBLE CONNECTION
	PRESSURE/TEMPERATURE TEST PLUG
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	SUCTION DIFFUSER WITH SUPPORT FOOT
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	DRAIN VALVE WITH HOSE CONNECTION AND CAP
	PRESSURE SENSOR (FURNISHED WITH BALL VALVE)
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	DIRECTION OF AIR FLOW
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
	RISE IN DIRECTION OF AIR FLOW
	DROP IN DIRECTION OF AIR FLOW
	DUCT CAP
	DUCT DOWN
	DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
	4-WAY DIFFUSER WITH BLANKOFF IN ONE DIRECTION
	AIR TERMINAL PROPERTIES SYMBOL NECK SIZE/CFM
	TERMINAL AIR BOX (REFER TO SCHEDULE)
	TERMINAL AIR BOX w/REHEAT COIL (REFER TO SCHEDULE)
	OCCUPANCY SENSOR
	PRESSURE SENSOR/MONITOR
	PRESSURE SENSOR (DUCT MOUNTED)
	THERMOSTAT/SENSOR

HVAC ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
C	COMMON
CO	CLEANOUT
CFSD	CONTROL/FIRE/SMOKE DAMPER
DPG (0-2")	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EA	EXHAUST/RELIEF AIR
ECFSD	EXISTING CONTROL FIRE SMOKE DAMPER
EFD	EXISTING FIRE DAMPER
EFSD	EXISTING FIRE SMOKE DAMPER
EP	ELECTRICAL TO PNEUMATIC VALVE
ESD	EXISTING SMOKE DAMPER
FD	FIRE DAMPER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FSD	FIRE/SMOKE DAMPER
MA	MIXED AIR
MV	MIXING VALVE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
PS	PRESSURE SWITCH
RA	RETURN AIR
SA	SUPPLY AIR
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL
UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)
UON	UNLESS OTHERWISE NOTED

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
- WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR THE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
- DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

TAB PRE-DEMOLITION NOTES:

- BEFORE ANY DEMOLITION WORK IS BEGUN A COMPLETE AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR ON EXISTING AIR HANDLERS AND EXHAUST FANS SERVING THE AREAS AFFECTED BY CONSTRUCTION. EQUIPMENT TO BE DEMOLISHED DOES NOT REQUIRE TESTING. PROVIDE AIR BALANCE TESTING ONLY ON EQUIPMENT THAT WILL CONTINUE TO BE USED TO SERVE RENOVATED AREAS AFTER THE CONSTRUCTION PHASE IS COMPLETED.
- PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THOSE MEASUREMENTS SHALL BE INCLUDED IN THE PRE-DEMOLITION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE DRAWINGS. READINGS SHALL BE DESIGNATED WITH THE ROOM NAME AND NUMBER AS MARKED ON THE DRAWINGS. IF FLOOR PLANS DO NOT HAVE UNIQUE ROOM NAMES AND NUMBERS, TAB CONTRACTOR SHALL INCLUDE FLOOR PLAN WITH UNIQUE NUMBER DESIGNATIONS ASSIGNED TO READINGS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. DRAWINGS THAT ARE HAND-MARKED WITH RED INK ARE ACCEPTABLE, PROVIDED THEY ARE LEGIBLE.
- IN THE EVENT A DUCT TRAVERSE LOCATION AS MARKED ON THIS PLAN IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR READINGS AS REQUIRED TO DETERMINE THE AIRFLOW WHERE THE DUCT TRAVERSE SYMBOL IS SHOWN. IN THE EVENT TRAVERSES ARE TAKEN AT ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
- TAKE A DUCT STATIC PRESSURE READING AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND INCLUDE IN THE FINAL PRE-DEMOLITION TAB REPORT.
- TAB CONTRACTOR SHALL COMPLETE AND SUBMIT FOUR COPIES OF THE FINAL PRE-DEMOLITION REPORT WITHIN 10 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

TAB POST-CONSTRUCTION NOTES:

- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
- AREAS SERVED BY THIS EQUIPMENT WHICH WERE NOT RENOVATED SHALL BE RE-BALANCED TO THE AIRFLOW RATES MARKED BEFORE THE RENOVATION OCCURRED (REFER TO THE FINAL PRE-DEMOLITION REPORT).
- IF DUCT TRAVERSE LOCATION AS MARKED ON THE DRAWINGS IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR GRILLE READINGS AS REQUIRED TO DETERMINE THE FLOW RATE. IN THE EVENT TRAVERSES ARE TAKEN AT AN ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
- A DUCT STATIC PRESSURE READING SHALL BE TAKEN AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND SHALL BE INCLUDED IN THE FINAL POST-CONSTRUCTION TAB REPORT.
- TAB CONTRACTOR SHALL COMPLETE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
- THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

PIPING GENERAL NOTES:

- THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
- PIPE DRAIN LINES FROM EQUIPMENT TO NEAREST FLOOR DRAIN.
- INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.

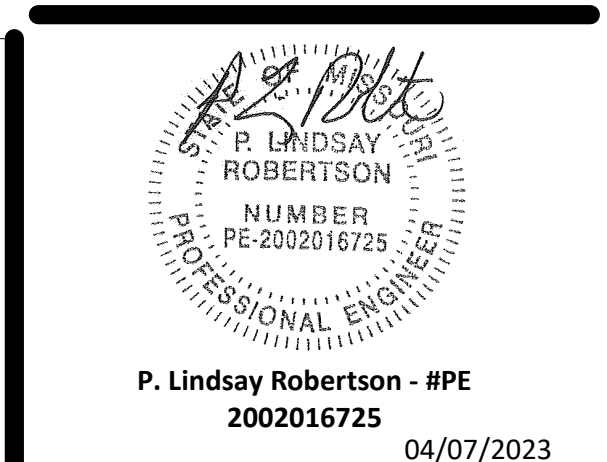
VENTILATION GENERAL NOTES:

- UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE INLET SIZE UNLESS THE BRANCH IS GREATER THAN 8 FEET IN LENGTH, IN WHICH CASE THE BRANCH DUCT SHALL BE SIZED AT A PRESSURE DROP OF 0.07" W.C. PER 100' OF DUCTWORK.
- UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL SHALL MATCH THE INLET SIZE.
- ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXIMITY TO EACH OTHER.
- PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
- EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM EXISTING DRAWINGS, AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL USE PRE-BALANCE VALVES, AND NOT EXISTING CFM SHOWN ON DRAWINGS.
- CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT, DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES, COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO IDENTIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- CALLS ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-0" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
- MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.



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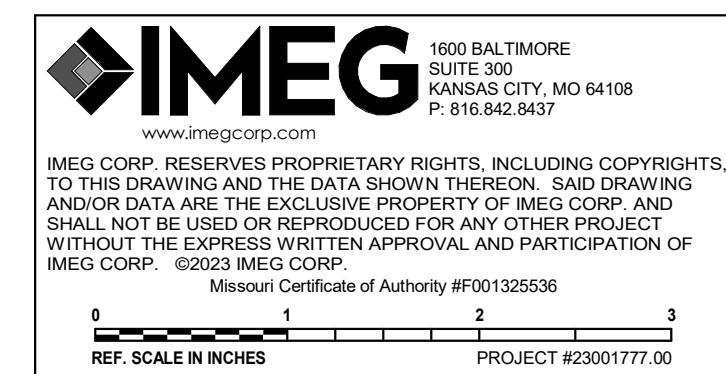
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Date	04/07/2023
Job Number	3-23005
Drawn By	MCW
Checked By	MJL

Revision		
Number	Date	Description



M000
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MECHANICAL COVERSHEET

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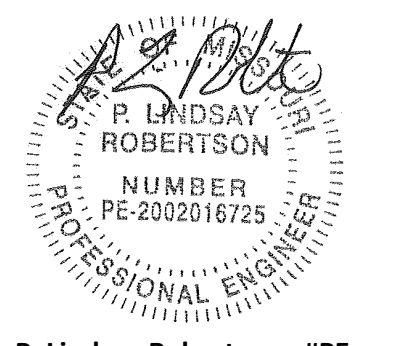


SHEET NOTES:

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS
- TERMINAL AIR BOX (TAB) TAGS ARE BASED ON ROOM NUMBERS SERVED AND MAY NOT MATCH THE BOX TAGS IN THE FACILITY MANAGEMENT AND CONTROL SYSTEM (FMCS).

KEYNOTES: (#)

- CUT 3/4\"/>
- DISCONNECT AND REMOVE THERMOSTAT ASSOCIATED WITH TERMINAL AIR BOX (OR BOX CONTROL) BEING REMOVED. REMOVE ANY CONTROL WIRING THAT CANNOT BE RE-USED.
- DISCONNECT AND REMOVE DDC TERMINAL AIR BOX CONTROLLER INCLUDING ASSOCIATED 2-WAY HEATING HOT WATER CONTROL VALVE AND MANUAL BALANCING VALVE (NOT SHOWN), AND ANY ASSOCIATED AUXILIARY SENSORS, CONTROL DEVICES, AND/OR CONTROL WIRING THAT CANNOT BE RE-USED. PROTECT TERMINAL AIR BOX AND REMAINING PIPING FOR NEW CONNECTIONS.



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Date	04/07/2023
Job Number	3-23005
Drawn By	MCW
Checked By	MJL

Revision	Date	Description



1 FIRST FLOOR FLOOR DEMOLITION PLAN - PIPING

1/4" = 1'-0"

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M101

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FIRST FLOOR FLOOR DEMOLITION
PLAN - PIPING & CONTROLS

BIN:360/23001777.00 - SLH EastLees Summit-MO-Nuc Med Replace_C.rvt
MO-Nuc Med Replace_C.rvt

BIN:360125001777.00 - SLH EastLees Summit - MO-Nuc Med Replace - C.rvt
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- SHEET NOTES:**
- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS
 - EXISTING FACILITIES MANAGEMENT AND CONTROL SYSTEM (FMCS) IS A JOHNSON CONTROLS METASYS SYSTEM. EXISTING FMCS NETWORK CONTROL PANEL NAE-62 HAS CAPACITY TO SUPPORT THE NEW CONTROLS. IF ANY OTHER CENTRALIZED HARDWARE IS REQUIRED TO ALLOW FOR THE CONTROLS UPGRADES, OR IF NEW COMMUNICATIONS WIRING IS REQUIRED, OR IF FMCS SOFTWARE UPDATES ARE REQUIRED, THEN ANY/ALL OF THOSE SHALL BE INCLUDED IN THE SCOPE OF WORK.
 - EACH DDC UNITARY CONTROLLER SHALL BE POWERED BY EXISTING 24V POWER THAT SERVED THE OLD CONTROLLER. IF NEW 120V OR 24V POWER IS REQUIRED FOR ANY NEW NETWORK HARDWARE OR ANY OTHER REASON, THEN ELECTRICAL PROVISIONS SHALL BE INCLUDED IN THE SCOPE OF WORK.
 - TERMINAL AIR BOX (TAB) TAGS ARE BASED ON ROOM NUMBERS SERVED AND MAY NOT MATCH THE BOX TAGS IN THE FACILITY MANAGEMENT AND CONTROL SYSTEM (FMCS).

- KEYNOTES: #**
- PROVIDE AND INSTALL NEW DDC UNITARY CONTROLLER AND NEW PRESSURE-INDEPENDENT CONTROL (PIC) VALVE (NOT SHOWN) ON EXISTING TERMINAL AIR BOX. SIZE THE NEW PIC VALVE FOR DESIGN FLOW RATE (GPM) INDICATED. REFER TO CONTROL DIAGRAM.

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1 FIRST FLOOR FLOOR PLAN - PIPING & CONTROLS
 1/4" = 1'-0"

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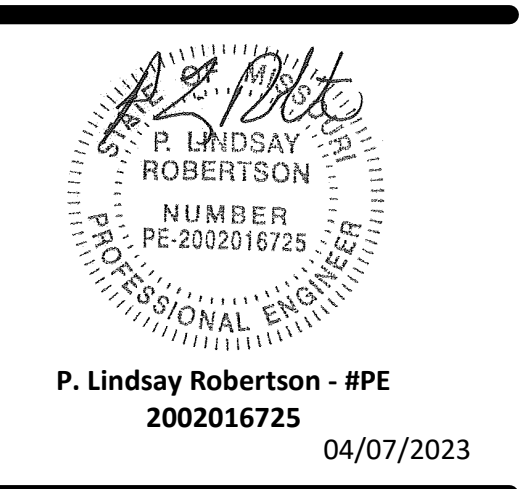


SHEET NOTES:

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- TERMINAL AIR BOX (TAB) TAGS ARE BASED ON ROOM NUMBERS SERVED AND MAY NOT MATCH THE BOX TAGS IN THE FACILITY MANAGEMENT AND CONTROL SYSTEM (FMCS).

KEYNOTES:

- ADJUST AIRFLOW SETTING FOR EXISTING TERMINAL AIR BOX. TEST, ADJUST, AND BALANCE ALL AIR TERMINALS ASSOCIATED WITH THIS ZONE (INCLUDING RETURN AIR TERMINALS) TO THE NEW AIRFLOW RATES (CFM) INDICATED.



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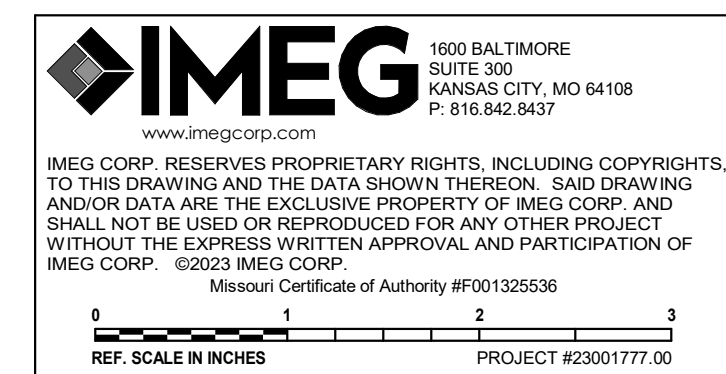
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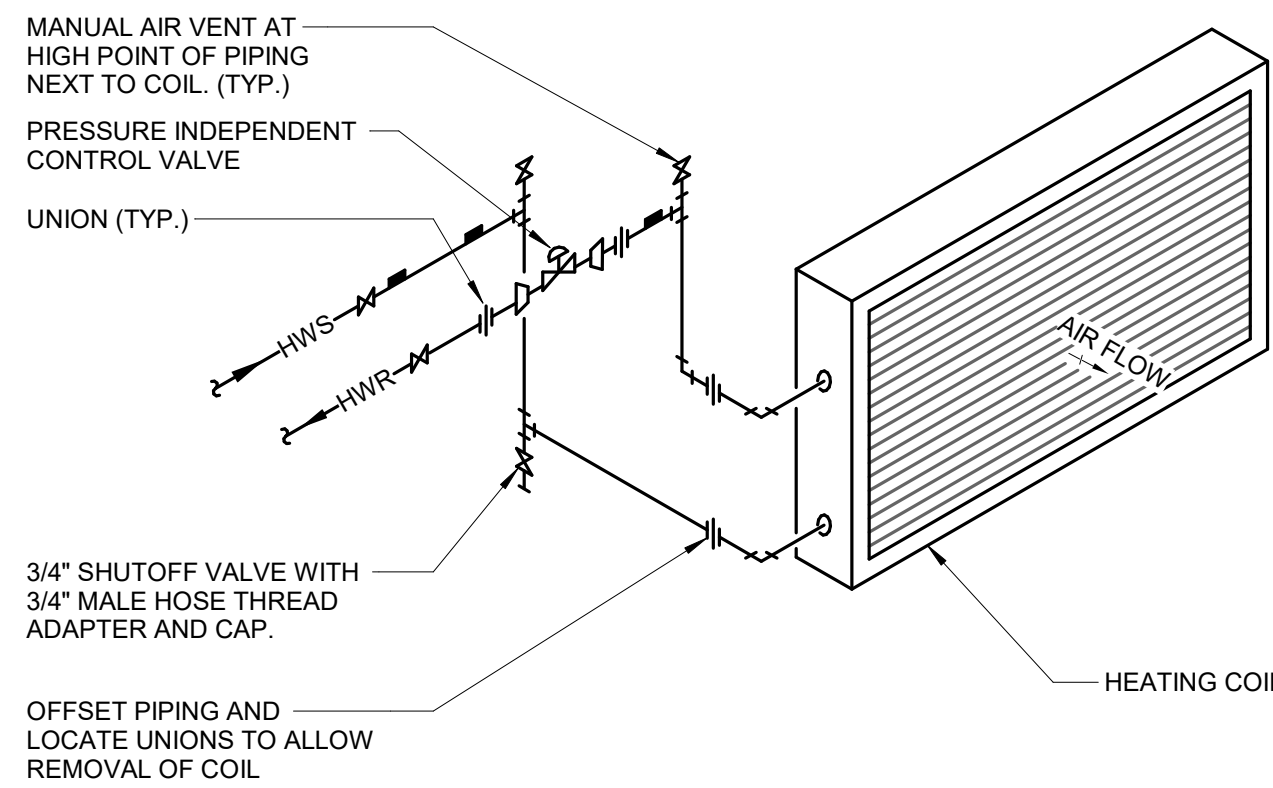
Revision
Number Date Description



FIRST FLOOR FLOOR PLAN - VENTILATION
14" = 1'-0"

1 HOT WATER COIL PIPING

NO SCALE
M_HC.0.01

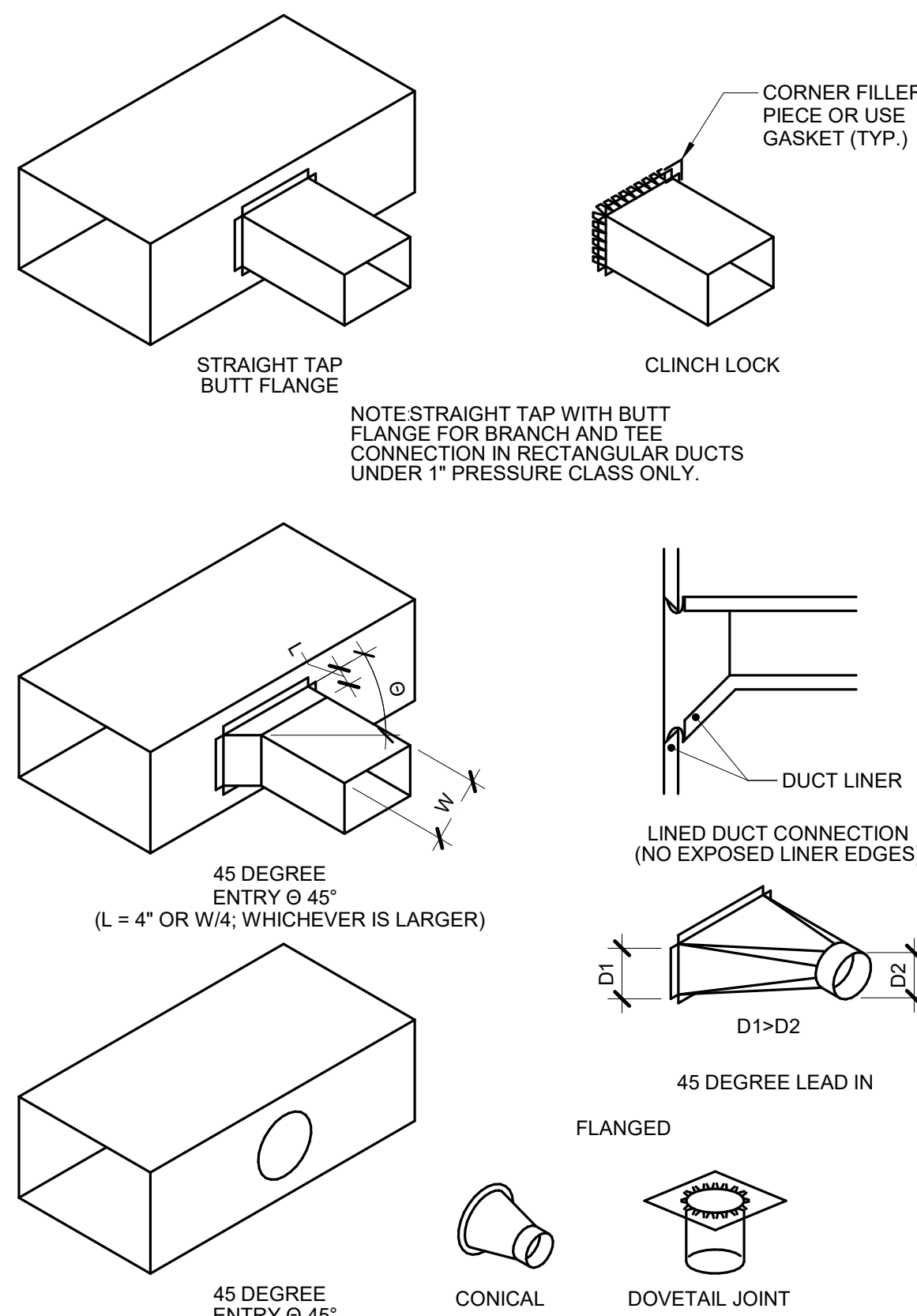


HEATING COIL

OFFSET PIPING AND LOCATE UNIONS TO ALLOW REMOVAL OF COIL

2 DUCT - BRANCH CONNECTIONS

NO SCALE
M_TAP.0.01

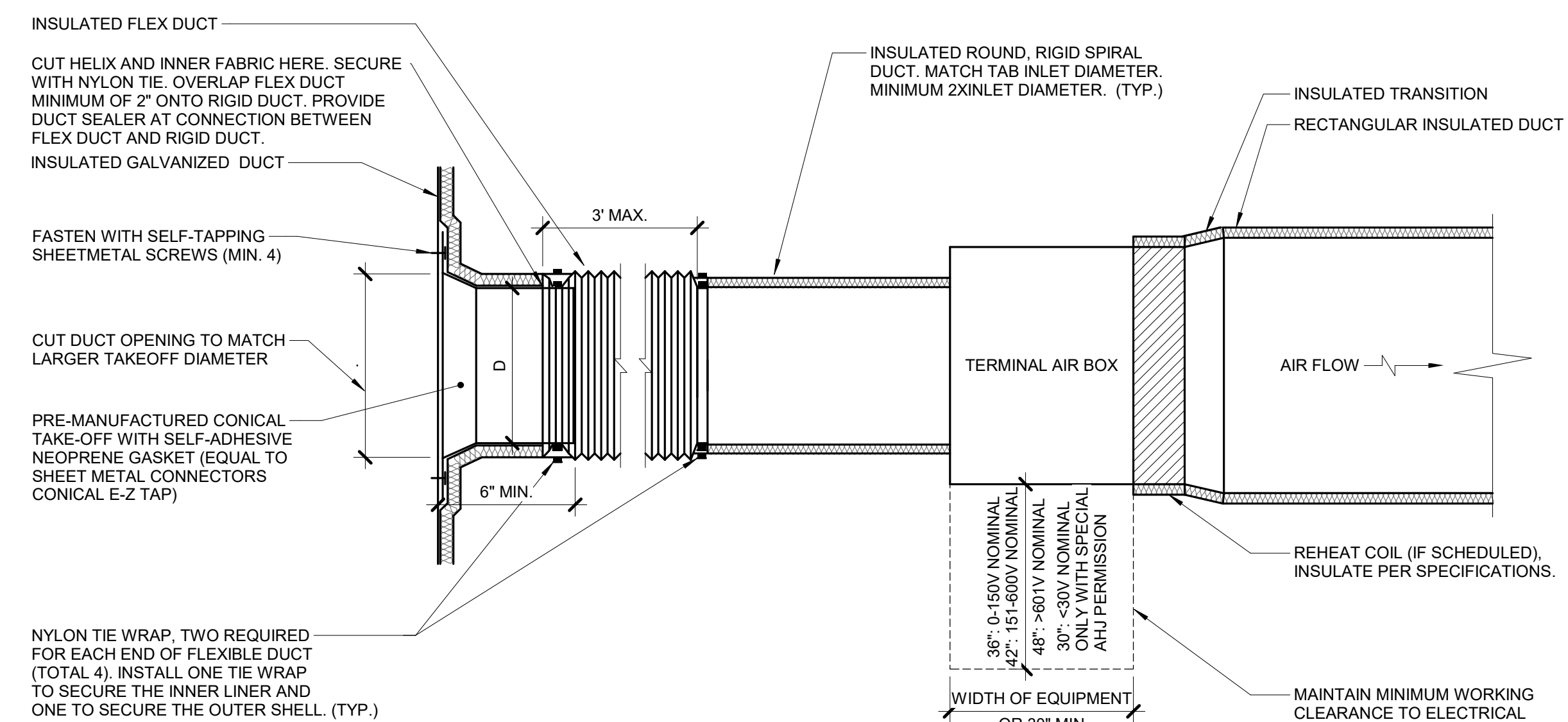


NOTES:

- DO NOT USE CONNECTIONS WITH SCOOPS.
- FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS AND SECURE THEM SUITABLY FOR THE PRESSURE CLASS.
- ADDITIONAL MECHANICAL FASTENERS ARE REQUIRED FOR 4\"/>

3 DUCT - ELBOW CONSTRUCTION

NO SCALE
M_DF.0.05

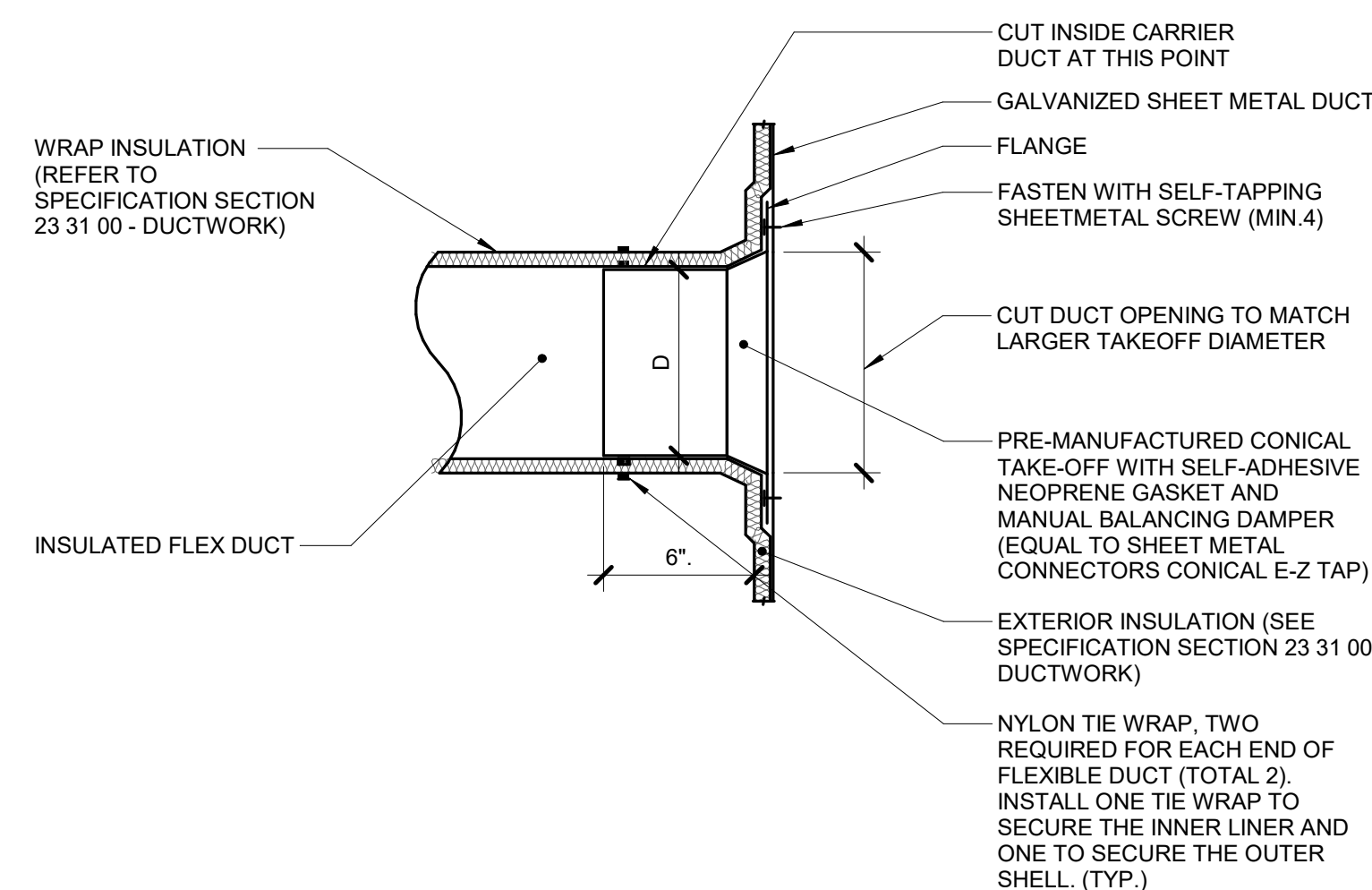


NOTES:

- THIS DETAIL APPLIES ONLY TO TAPS OFF WRAPPED DUCTS.
- THIS DETAIL APPLIES TO TERMINAL AIR BOXES WITH ROUND INLETS AND RECTANGULAR OUTLETS.
- DUCT LEADING TO TAB INLET MUST BE STRAIGHT FOR 1.5 DIAMETER UPSTREAM.
- MAINTAIN VAPOR BARRIER FROM MAIN TO BRANCH DUCT.

4 DUCT - FLEX CONICAL TO WRAPPED DUCT CONNECTION

NO SCALE
M_TAP.0.04

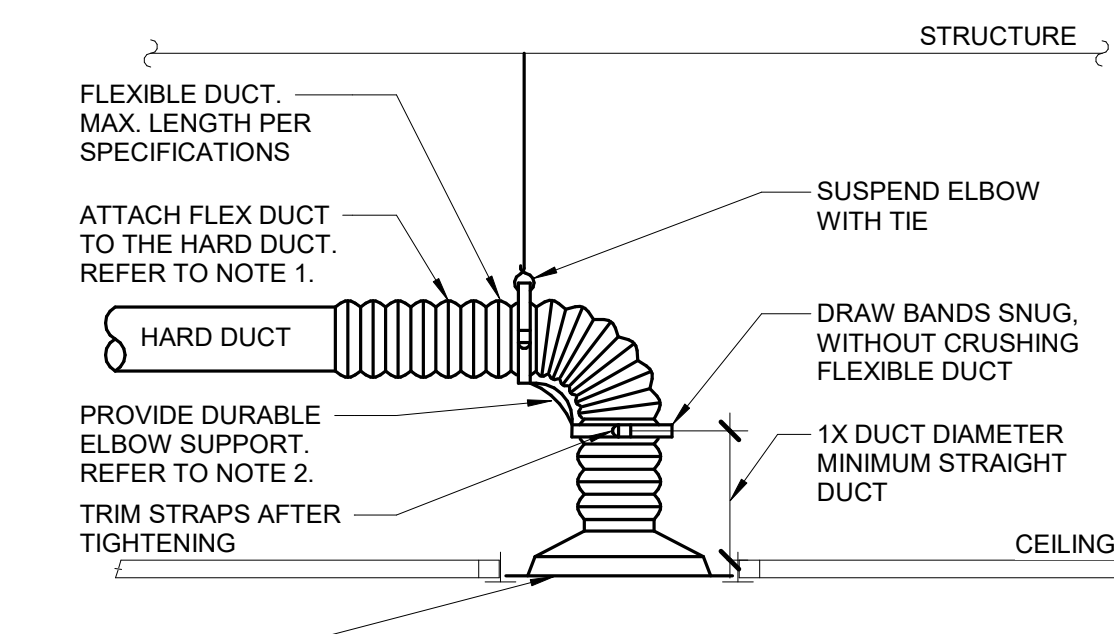


NOTES:

- THIS DETAIL APPLIES ONLY TO TAPS OFF UNLINED DUCTS.
- TAP DOES NOT NEED TO BE CONICAL IF THE TAP IS NOT LOCATED BETWEEN FANS AND TERMINAL AIR BOXES. DUCT IS NOT OVER 2\"/>

5 DIFFUSER CONNECTION DETAIL (W/ RADIUS FORMING ELBOW)

NO SCALE

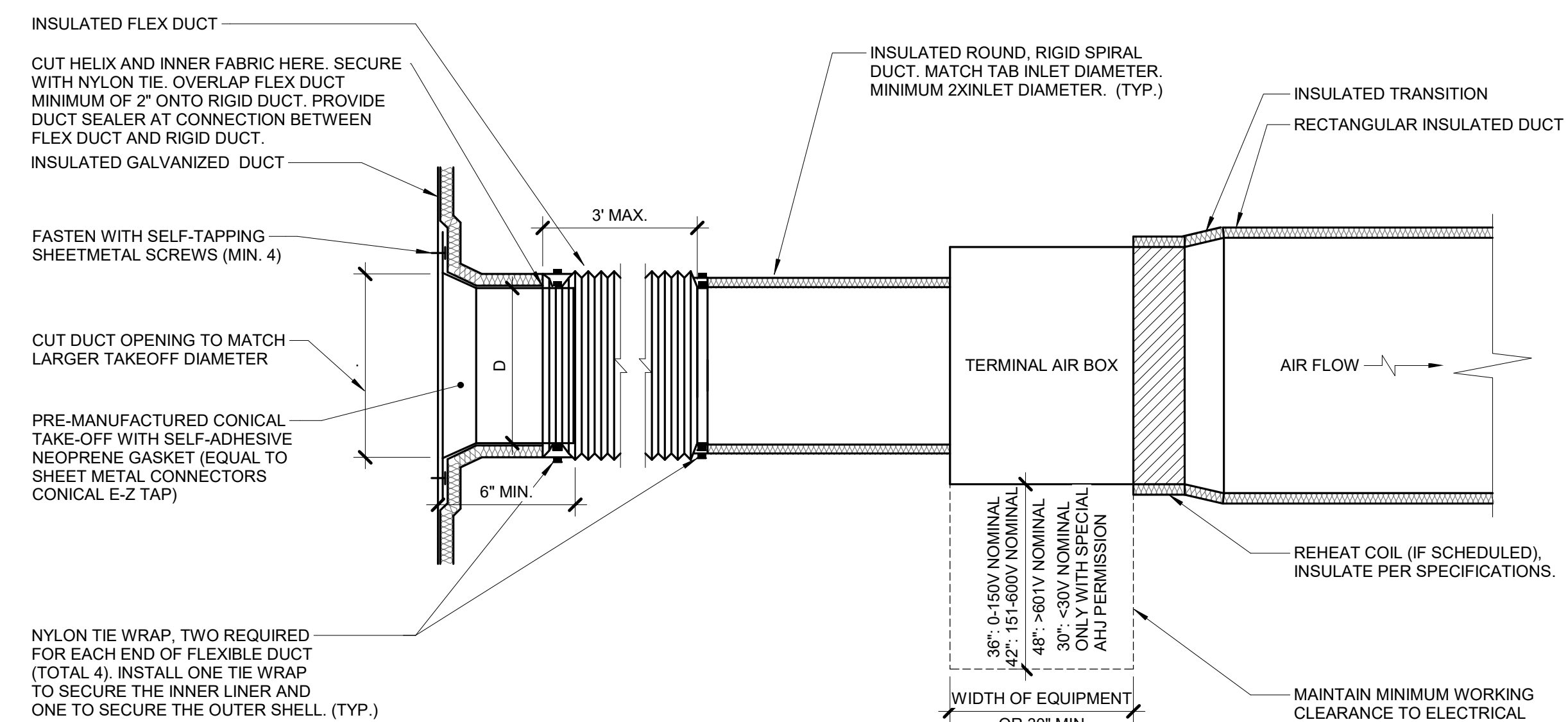


NOTES:

- TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS, ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO THE WRAPPING.
- DURABLE ELBOW SUPPORT ACCEPTABLE MANUFACTURER AND MODEL: HART AND COOLEY - SMARTFLOW, THERMAFLEX - FLEXFLOW, TITUS - FLEXRIGHT, OR APPROVED EQUAL.

6 TERMINAL AIR BOX - SINGLE DUCT - WRAPPED

NO SCALE
M_TAB.0.03

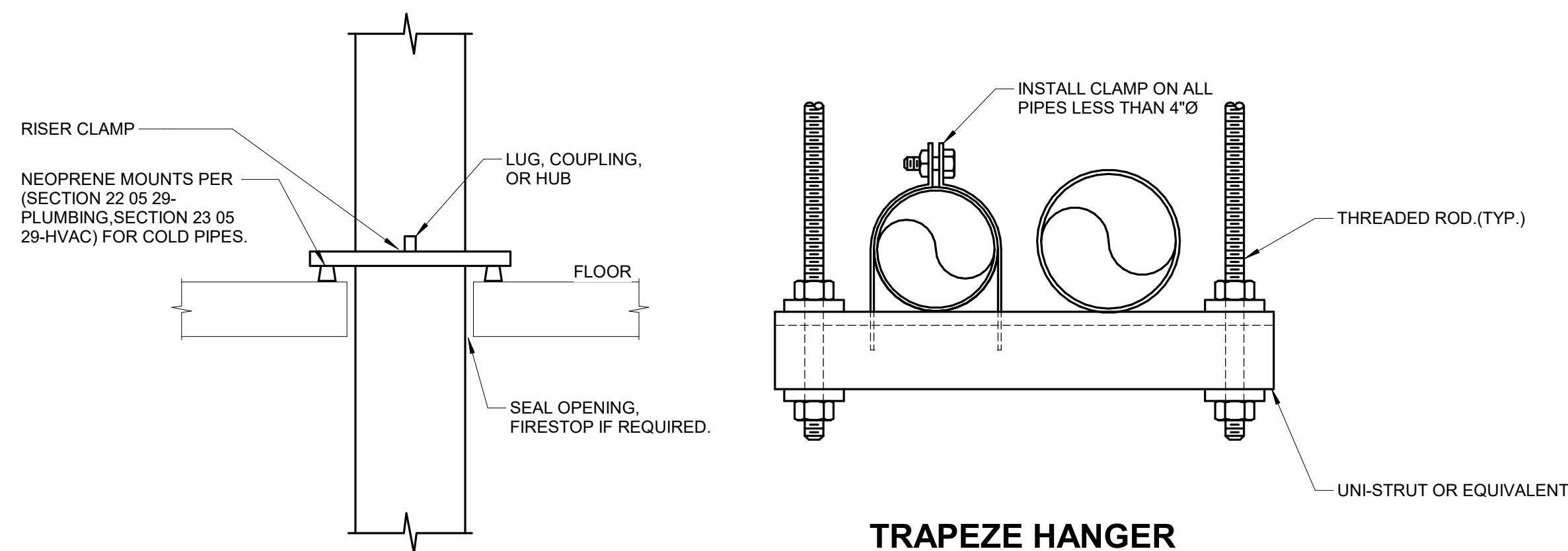


NOTES:

- THIS DETAIL APPLIES ONLY TO TAPS OFF WRAPPED DUCTS.
- THIS DETAIL APPLIES TO TERMINAL AIR BOXES WITH ROUND INLETS AND RECTANGULAR OUTLETS.
- DUCT LEADING TO TAB INLET MUST BE STRAIGHT FOR 1.5 DIAMETER UPSTREAM.
- MAINTAIN VAPOR BARRIER FROM MAIN TO BRANCH DUCT.

7 PIPE SUPPORT

NO SCALE
M_SUP.0.03



NOTES:

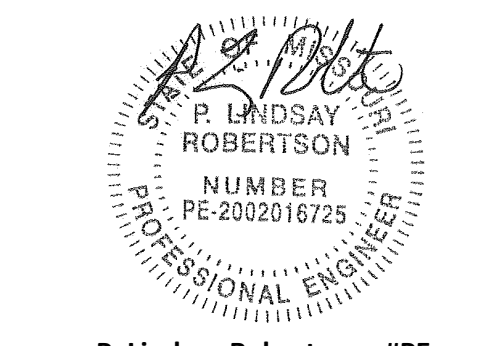
- REFER TO SPECIFICATION SECTION 21 05 29.

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REF. SCALE IN INCHES PROJECT #23001777.00



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Date	04/07/2023
Job Number	3-23005
Drawn By	MCW
Checked By	MJL

Number	Date	Description

M400

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MECHANICAL DETAILS

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT

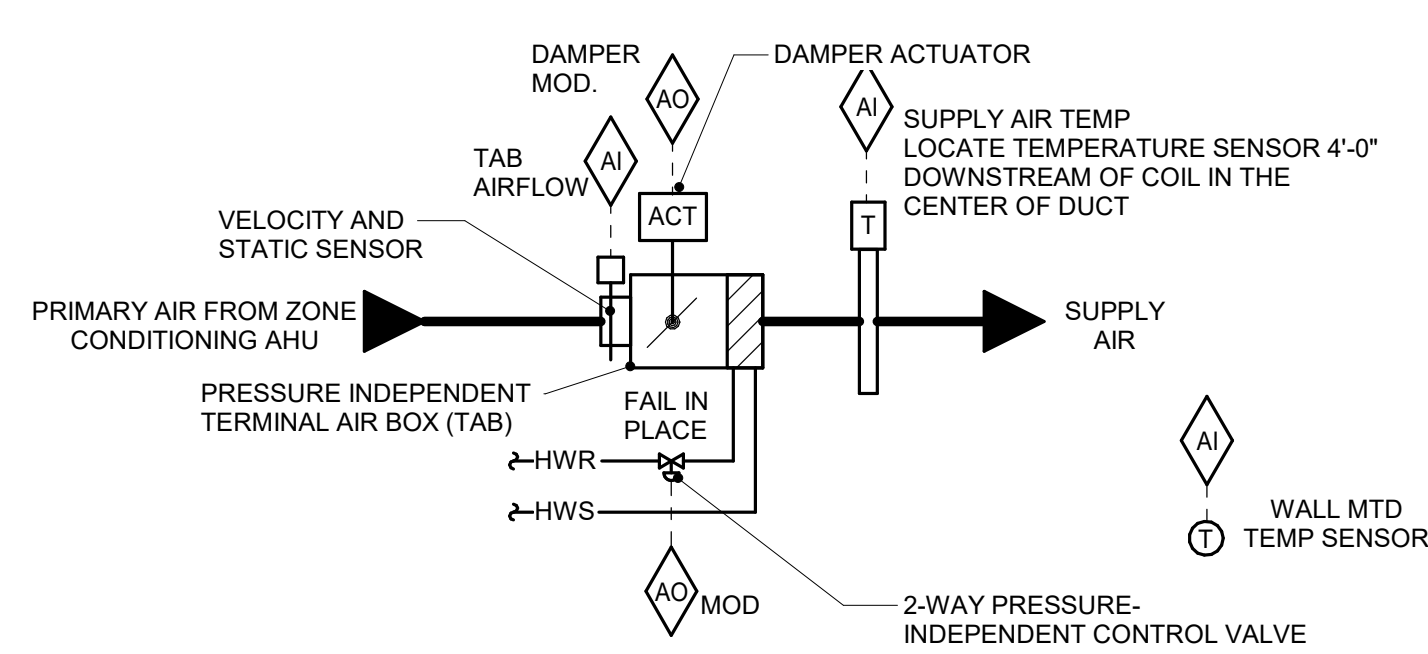
NOTES:
 1. NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
 2. TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
 3. CONTROL TYPES: 1-TAB WITH HOT WATER REHEAT.
 4. SENSOR TYPES: 1- SENSOR ONLY, 2- SENSOR WITH ADJUSTMENT, 3- SENSOR WITH OVERRIDE, 4- SENSOR WITH ADJUSTMENT AND OVERRIDE.
 5. HEATING COILS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS. WHEN LAT 'F', BW 'F', AND GPM VALUES ARE BLANK, HEATING COIL IS NOT REQUIRED FOR TAB.
 6. HEATING COIL SELECTION SHALL BE BASED ON A FIXED LEAVING AIR TEMPERATURE AND VARIABLE FLOW (GPM). PROVIDE FINAL MAXIMUM FLOW RATE (GPM) TO TEST & BALANCE TEMPERATURE CONTROLS CONTRACTORS.

TAG NAME	AREA SERVED	CFM		HEATING COIL (NOTES 5, 6)						MIN. INLET SIZE (IN.) DIA.	CONTROL TYPE (NOTE 3)	SENSOR TYPE (NOTE 4)	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
		COOLING MAX.	HEATING MAX.	EAT 'F'	LAT 'F'	EW'T 'F'	MAX. GPM								
TAB-1C101-E	1C101 RECOVERY BAY #1 CORRIDOR	350	210	210	55.0	85.0	180	0.5	6"	1	2	EXISTING	EXISTING	NOTES 1, 2	
TAB-1C130	1C130 CONTROL ROOM	200	200	200	55.0	85.0	180	0.5	6"	1	2	TITUS	DESV	NOTES 1, 2	
TAB-1C135	1C135 READ ROOM #2 / CORRIDOR	265	160	160	55.0	85.0	180	0.5	6"	1	2	TITUS	DESV	NOTES 1, 2	
TAB-1C136	1C136 SCAN ROOM	1160	700	700	55.0	85.0	180	1.5	12"	1	2	TITUS	DESV	NOTES 1, 2	
TAB-1C137	1C137 READ ROOM #1 / CORRIDOR	255	155	155	55.0	85.0	180	0.5	6"	1	2	TITUS	DESV	NOTES 1, 2	

AIR TERMINAL SCHEDULE

NOTES:
 1. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
 2. REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

TAG NAME	FACE SIZE (IN.) (NOTE 2)	TYPE	BORDER (NOTE 1)	MATERIAL	FINISH	VOLUME DAMPER REQUIRED	MANUFACTURER	MODEL	NOTES
RG-1	INLET #2	35 DEGREE DEFLECTION	1 1/4"	STEEL	WHITE	NO	TITUS	35GR	OMIT SCREW HOLES
SD-1	24x24	PLAQUE	LAV-IN	STEEL	WHITE	NO	TITUS	OMNI	

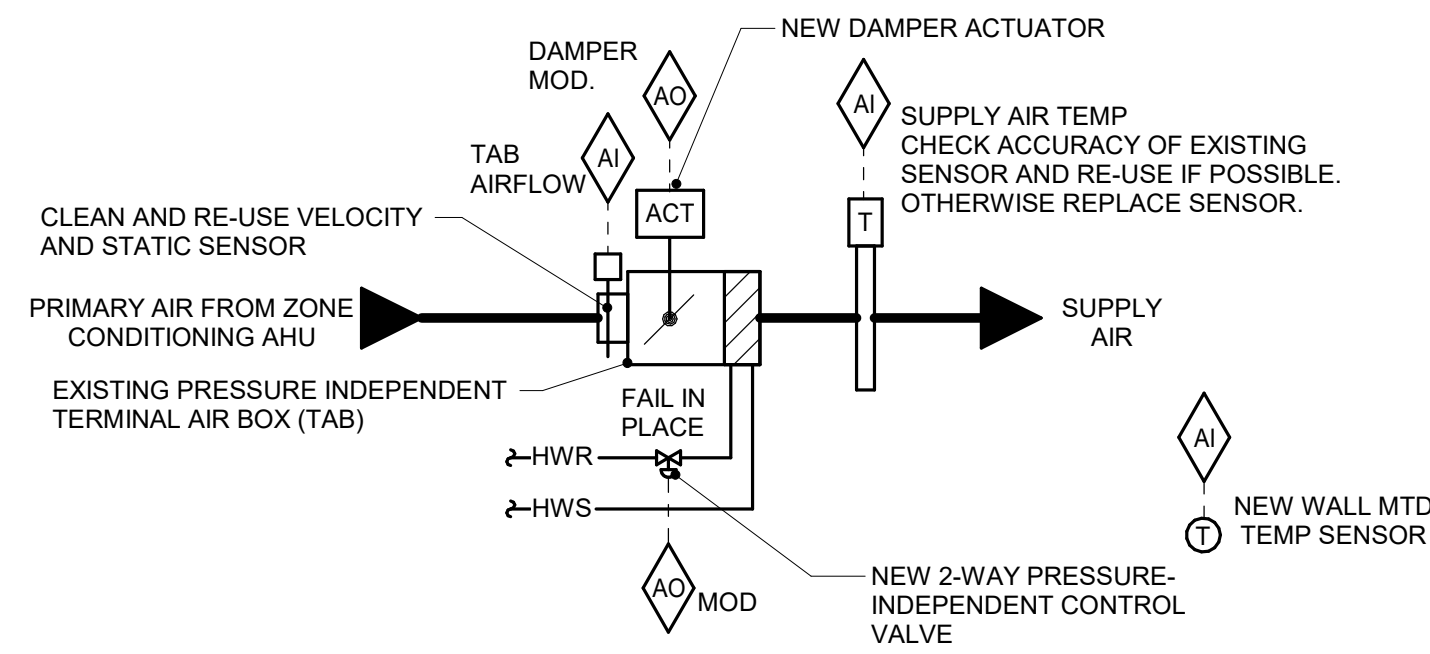


SEQUENCE OF OPERATION:

- FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER AND TAB HEATING WATER REHEAT COIL TO MAINTAIN SPACE SETPOINT BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR.
- AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 20°F ABOVE ROOM TEMPERATURE SETPOINT.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DISPLAY TEMPERATURES AND SET POINTS FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.



SEQUENCE OF OPERATION:

- FMCS TAB CONTROLLER SHALL MODULATE THE TAB DAMPER AND TAB HEATING WATER REHEAT COIL TO MAINTAIN SPACE SETPOINT BASED ON A SIGNAL FROM A WALL MOUNTED TEMPERATURE SENSOR.
- AT FULL COOLING, THE TAB SHALL BE OPEN TO MAXIMUM CFM POSITION. THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FALL IN SPACE TEMPERATURE, THE TAB SHALL MODULATE CLOSED UNTIL SPACE SETPOINT IS MAINTAINED, OR UNTIL IT REACHES ITS MINIMUM SCHEDULED CFM POSITION (MATCH MINIMUM CFM POSITION OF THE OLD CONTROLLER.) THE REHEAT COIL CONTROL VALVE SHALL BE CLOSED.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, THE REHEAT COIL CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE SETPOINT UNTIL THE SUPPLY AIR TEMPERATURE IS 20°F ABOVE ROOM TEMPERATURE SETPOINT.
- UPON A FURTHER FALL IN SPACE TEMPERATURE, TAB SHALL OPEN TO MAINTAIN SETPOINT UNTIL TAB AIRFLOW REACHES ITS MAXIMUM HEATING SETTING. THE REHEAT CONTROL VALVE SHALL CONTINUE TO MODULATE OPEN TO MAINTAIN MAXIMUM DELTA T LISTED ABOVE.
- THE FMCS OPERATOR SHALL HAVE THE ABILITY TO ADJUST, OVERRIDE, AND DISPLAY TEMPERATURES AND SET POINTS FROM THE EXISTING FMCS WORKSTATION.

ALARMS, INTERLOCKS & SAFETIES:

SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF THE SPACE TEMPERATURE IS MORE THAN 10°F (ADJ.) ABOVE OR BELOW SETPOINT.

TAB CONTROL W/ HOT WATER REHEAT (NEW BOX) - TAB-X

NO SCALE
M_TAB.2.12

TAB CONTROL W/ HOT WATER REHEAT (EXISTING BOX) - TAB-X

NO SCALE
M_TAB.2.12

CONTROL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	LAB VACUUM
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	SOLENOID VALVE
	CHECK VALVE
	THERMOSTAT
	THERMOSTAT/SENSOR WITH HEAVY DUTY ENCLOSURE
	TEMPERATURE SENSOR (DUCT MOUNTED)
	TEMPERATURE SENSOR WITH WELL
	THERMOMETER WITH WELL (DIAL TYPE)
	THERMOMETER WITH WELL (FILLED TYPE)
	AVERAGING TEMPERATURE SENSOR
	LOW LIMIT TEMPERATURE SWITCH
	PROBE TEMPERATURE SENSOR
	PRESSURE SENSOR (FURNISHED WITH BALL VALVE)
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE SENSOR (DUCT MOUNTED)
	STATIC SWITCH
	ANALOG INPUT
	ANALOG OUTPUT
	FLOW METER
	FLOW SWITCH
	FLOW SENSOR
	AIR FLOW SWITCH
	DUCT FLOW METER
	HUMIDIFIER
	DUCT SMOKE DETECTOR
	HEATING/ COOLING COIL
	AIR BLENDER
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
	FAN
	MOTOR
	CONTACTOR
	PUMP
	DIGITAL INPUT
	DIGITAL OUTPUT
	HUMIDISTAT SENSOR
	HUMIDISTAT / SENSOR
	HUMIDITY SENSOR (DUCT MOUNTED)
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE SENSOR (DUCT MOUNTED)
	CARBON DIOXIDE SENSOR (DUCT MOUNTED)
	FILTER
	TERMINAL AIR BOX
	TERMINAL AIR BOX W/ REHEAT
	OCCUPANCY SENSOR
	SENSOR
	ACTUATOR
	DOOR SWITCH
	DIFFERENTIAL PRESSURE SWITCH
	CURRENT SWITCH
	VIBRATION SWITCH
	NORMALLY CLOSED CONTACT
	NORMALLY OPEN CONTACT
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER

TEMPERATURE CONTROL GENERAL NOTES:

- REFER TO EQUIPMENT SCHEDULES TO CROSS REFERENCE WHICH CONTROL DIAGRAMS APPLY TO WHICH ITEMS OF EQUIPMENT. REFER TO TERMINAL AIR BOX (TAB) SCHEDULES FOR TEMP SENSOR REQUIREMENTS FOR EACH TAB.
- EACH D.I., D.O., A.I. AND A.O. POINT SHOWN FOR ALL CONTROL DIAGRAMS SHALL BE DISCRETE FROM ALL OTHER POINTS EXCEPT AS SPECIFICALLY NOTED.
- ALL WIRING, CONTROL COMPONENTS, DEVICES AND PROGRAMMING SHOWN ON THESE CONTROL DRAWINGS SHALL BE PROVIDED BY THE TCC UNLESS SPECIFICALLY NOTED OTHERWISE.
- TEMPERATURE CONTROL CABLING, CONDUIT, BOXES, IDENTIFICATION: REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST OF REQUIREMENTS.
- ALL ACTUATORS SHALL BE OF THE ELECTRICAL TYPE FOR THIS PROJECT UNLESS AN ACTUATOR IS SPECIFICALLY INDICATED ON THE DRAWINGS OR SPECIFICATIONS TO BE PNEUMATIC.
- MODULATING SIGNALS SHALL BE DISPLAYED AS % OPEN (SIGNALS DISPLAYED AS % CLOSED ARE NOT ACCEPTABLE).
- ALL CONTROL COMPONENTS SUCH AS RELAYS, SWITCHES, DDC CONTROLLERS, ETC. SHALL BE MOUNTED IN STEEL ENCLOSURES WITH STEEL MOUNTING BACKPLATES PER SPECIFICATION 23 09 00.
- EACH CONTROL PANEL SHALL HAVE A LAMINATED COPY OF THE APPLICABLE SEQUENCE OF OPERATION AND CONTROL DIAGRAM INDICATING THE POINTS, COMPONENTS AND OPERATION OF EQUIPMENT ASSOCIATED WITH EACH PANEL. REFER TO SECTION 23 09 00 FOR ADDITIONAL REQUIREMENTS.
- TCC SHALL WIRE THE CONTROL SIGNAL FROM THE ASSOCIATED AIR HANDLING UNIT RTU CONTROL PANEL TO CONTROL THE OPERATION OF SMOKE DAMPERS IN ACCORDANCE WITH SEQUENCE OF OPERATION. TCC SHALL PROVIDE ALL WIRING, CONDUIT, TRANSFORMERS, FUSING AND ALL OTHER ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION.
- TCC SHALL EXTEND CONTROL SIGNAL FROM ADDRESSABLE RELAY DEVICE SERVING EACH AIR HANDLING UNIT. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS. TCC SHALL EXTEND AND TERMINATE WIRING AS REQUIRED FOR EQUIPMENT SHUTDOWN.
- TCC SHALL PROVIDE LOW VOLTAGE WIRING FROM POWER SUPPLIES TO ALL CONTROLLERS, MONITORS, COMPONENTS AND DEVICES REQUIRING 24 VAC POWER. ADDITIONAL POWER SUPPLIES NOT SHOWN AND REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM SHALL BE PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR. THE TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE FINANCIAL PROVISIONS WITHIN THEIR BID FOR THE ELECTRICAL CONTRACTOR TO PROVIDE BRANCH POWER TO THE ADDITIONAL POWER SUPPLIES. COORDINATE THE LOCATION OF ADDITIONAL POWER SUPPLY CABINET WITH THE ELECTRICAL CONTRACTOR.
- TCC SHALL PROVIDE THERMOSTATS FOR AUTOMATIC CONTROL OF EQUIPMENT AS REQUIRED BY THESE CONTROL DRAWINGS. THERMOSTAT CONTACT AMP RATING SHALL BE MINIMUM 125% OF THE MAX. CURRENT DRAW FOR THE EQUIPMENT BEING SERVED. WHERE THERMOSTATS CONTROL THE STARTING OF MOTORS (I.E. FANS), THERMOSTATS SHALL BE RATED FOR MOTOR STARTING APPLICATIONS.
- CONTROL DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED CONTROL DEVICES AND COMPONENTS. REFER TO FLOOR PLANS, FLOW DIAGRAMS AND DETAILS FOR ADDITIONAL CONTROL DEVICES, COMPONENTS AND REQUIREMENTS NOT SHOWN ON THESE CONTROL DRAWINGS.
- TCC SHALL PROVIDE ALL CONTROL COMPONENTS AND ACCESSORIES AS REQUIRED FOR EQUIPMENT TO BE CONTROLLED AS DESCRIBED IN THE SEQUENCE OF OPERATION REGARDLESS OF WHETHER ALL CONTROL COMPONENTS OR POINTS ARE SHOWN IN THE ASSOCIATED CONTROL DIAGRAM.

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Revision		
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TECHNOLOGY SYMBOL LIST			
SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
	AV-FB-AV#	AV DEVICE IN FLOOR BOX/POKE THROUGH	
	SC-RI-F	INFORMATION OUTLET ROUGH-IN (FLOOR)	
	AV-RI-AV#	INFORMATION OUTLET AV ROUGH-IN (WALL)	
	SC-ID-W	INFORMATION OUTLET (WALL)	
	SC-RI-W	INFORMATION OUTLET ROUGH-IN (WALL)	
	SC-ID-W	INFORMATION OUTLET WALL PHONE (WALL)	
	SC-IO-C	INFORMATION OUTLET (CEILING)	
	SC-RI-C	INFORMATION OUTLET ROUGH-IN (CEILING)	
	SC-WAP-C	WIRELESS ACCESS POINT WITH ENCLOSURE (CEILING)	
	SC-WAP-W	WIRELESS ACCESS WITH POINT ENCLOSURE (WALL)	
	AC-R#-W	SECURITY CREDENTIAL READER (WALL)	
	AC-DR-I-W	SECURITY ELECTRONIC DOOR RELEASE (WALL)	
	AC-K#-W	SECURITY KEYPAD (WALL)	
	TEL-ADM-S	ADMINISTRATOR DESK PHONE (SURFACE)	
	TEL-RNG-W	EXTERNAL RINGER (WALL)	
	TEL-DP-S	STANDARD DESK PHONE (SURFACE)	
	TEL-CP-S	TABLE TOP CONFERENCE PHONE (SURFACE)	
	TEL-WP-W	WALL PHONE (WALL)	
	ID-AL-I-W	INTRUSION DETECTION AUDIBLE ALARM (WALL)	
	ID-MD-I-W	INTRUSION DETECTION MOTION DETECTOR (WALL)	
	AV-SP1-C	AV PERFORMANCE SPEAKER (CEILING)	
	NC-NC-W	NURSE CALL CODE BLUE STATION (WALL)	
	NC-D-C	NURSE CALL DOME LIGHT (CEILING)	
	NC-D-W	NURSE CALL DOME LIGHT (WALL)	
	NC-DTY-W	NURSE CALL DUTY STATION (WALL)	
	NC-NE-W	NURSE CALL EMERGENCY CALL STATION (WALL)	
	NC-MAS-W	NURSE CALL MASTER STATION (WALL)	
	NC-N-W	NURSE CALL SINGLE PATIENT BED STATION (WALL)	
	NC-STF-W	NURSE CALL STAFF STATION (WALL)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA 180° FOV (CEILING/HORIZONTAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA 180° FOV (WALL/VERTICAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA 270° FOV (CEILING/HORIZONTAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA 270° FOV (WALL/VERTICAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA 360° FOV (CEILING/HORIZONTAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA 360° FOV (WALL/VERTICAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA DUAL LENS FOV (CEILING/HORIZONTAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA DUAL LENS FOV (WALL/VERTICAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA SINGLE LENS FOV (CEILING/HORIZONTAL SURFACE)	
	VS-CM-#	VIDEO SURVEILLANCE CAMERA SINGLE LENS FOV (WALL/VERTICAL SURFACE)	

GENERAL NOTES:
 1. ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT.
 2. ALL SYMBOLS AND ABBREVIATIONS REFER TO SYSTEMS SHEETS ONLY AS DEFINED ON THE SHEET INDEX.

ELECTRICAL SYMBOL LIST		
SYMBOL:	TAG:	DESCRIPTION:
	GB	GROUND BUS
	ECONN	ELECTRICAL CONNECTION
	JB	JUNCTION BOX
	FB-# or PT-#	FLOOR BOX or POKE THROUGH
	RI-TV	TV ANTENNA OUTLET ROUGH-IN
	WM-#	MULTI OUTLET SYSTEM
	WW-#	ELECTRICAL WIREWAY w/ DEVICES SHOWN
	PANEL-###	PANELBOARD - RECESS MOUNT
	PANEL-###	PANELBOARD - SURFACE MOUNT
	MX-#MS-# / CB-#CS-#	MANUAL SWITCH / STARTER / COMBINATION STARTER / CIRCUIT BREAKER. REFER TO DISC/STA SCHEDULE
	TR-#DTR-#	TRANSFORMER. REFER TO TRANSFORMER SCHEDULE
	DS-#FDS-#/DSS-#	DISCONNECT. REFER TO DISC/STA SCHEDULE
	MG	MAIN GROUND STATION MODULE AND OUTLET (EQUIPMENTAL GROUNDING. REFER TO DETAIL)
	EPO	EMERGENCY POWER-OFF PUSHBUTTON

ELECTRICAL SYMBOL LIST		
SYMBOL:	TAG:	DESCRIPTION:
	REC-DUP-O	DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY
	REC-QUAD-O	QUAD RECEPTACLE CONTROLLED BY OCCUPANCY
	REC-DUP	DUPLEX RECEPTACLE, 125V
	REC-DUP-GFI	DUPLEX GFI RECEPTACLE, 125V
	REC-DUP-GFI-R	GROUND FAULT DEVICE
	REC-USB	DUPLEX RECEPTACLE, USB CHARGING
	REC-SIM-520R	SIMPLEX RECEPTACLE, 125V
	REC-SIM-530R	RECEPTACLE, 125V
	REC-SIM-620R	RECEPTACLE, 6-20R, 250V
	REC-SIM-630R	RECEPTACLE, 6-30R, 250V
	REC-TAMP	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-GFI	GFI DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-QUAD	QUAD RECEPTACLE, TAMPER RESISTANT, 125V
	REC-QUAD	QUAD RECEPTACLE, 125V
	REC-QUAD-GFI	QUAD GFI RECEPTACLE, 125V
	REC-QUAD-USB	QUAD RECEPTACLE, USB 125V
	U	NORMAL BRANCH DEVICE
	U	CRITICAL BRANCH DEVICE (EMERGENCY)
	U	PUSH PAD/PUSH TO EXIT

ELECTRICAL SYMBOL LIST		
SYMBOL:	TAG:	DESCRIPTION:
		LINEAR LUMINAIRE
		TROFFER
		WALL SCONCE LUMINAIRE
		DOWNLIGHT LUMINAIRE
		AMBALBE OR WALL WASH LUMINAIRE
		INDUSTRIAL LUMINAIRE
		WALL BRACKET LUMINAIRE
		POLE MOUNTED LUMINAIRE
		SINGLE FACE EXIT SIGN
		DOUBLE FACE EXIT SIGN
		WALL/CEILING EMERGENCY EXIT SIGN
		EMERGENCY UNIT

LUMINAIRE SYMBOL KEY	
SYMBOL:	DESCRIPTION:
	NORMAL BRANCH LUMINAIRE
	[CRITICAL] BRANCH LUMINAIRE
	EMERGENCY (LIFE SAFETY) BRANCH LUMINAIRE [UNSWITCHED FOR NIGHT LIGHT, UNLESS NOTED 'SE']

ELECTRICAL SYMBOL LIST		
SYMBOL:	TAG:	DESCRIPTION:
	SW-1P	SWITCH - SINGLE POLE
	SW-1P-M	SWITCH - MOMENTARY CONTACT
	SW-2P	SWITCH - TWO POLE
	SW-3W	SWITCH - THREE WAY
	SW-4W	SWITCH - FOUR WAY
	SW-D3-LED	DIMMER - LED - 3-WAY
	SW-OC-D-W	OCCUPANCY SENSOR - DUAL TECHNOLOGY - WALL MOUNTED
	SW-OC-P-O2	SWITCH - OCCUPANCY SENSOR AND DUAL SWITCH
	SW-OC-P-P	OCCUPANCY SENSOR - PASSIVE INFRARED 360 DEGREE COVERAGE
	SW-OC-P-P2	OCCUPANCY SENSOR - PASSIVE INFRARED 100 DEGREE COVERAGE
	SW-OC-P-W	OCCUPANCY SENSOR - PASSIVE INFRARED - WALL MOUNTED
	SW-OC-U	OCCUPANCY SENSOR - ULTRASONIC 360 DEGREE COVERAGE
	SW-OC-U2	OCCUPANCY SENSOR - ULTRASONIC 35'X30' HAND MOTION COVERAGE
	SW-OC-U-A	OCCUPANCY SENSOR - ULTRASONIC TWO SIDED CORRIDOR COVERAGE
	SW-OC-U-W	OCCUPANCY SENSOR - ULTRASONIC - WALL MOUNTED
	SW	WALL CONTROL STATION
	TC-#	TIME SWITCH
	SW-LCS	DIMMER CONTROL STATION WITH FADERS
	D	WALL DIMMER - 0-10V
	SW-OC-P-O	WATTSTOPPER DSW-301 SERIES DUAL TECHNOLOGY WALL SWITCH WITH MOTION SENSOR
	SW-OD	WATTSTOPPER DW-311 SERIES 0-10V DIMMABLE WALL SWITCH WITH DUAL TECHNOLOGY MOTION SENSOR
	SW-1P-ADJ	WATTSTOPPER TS-400 SERIES DIGITAL TIME SWITCH
	SW-DCS	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT CONTROL STATION KEYPAD WITH PROGRAMMABLE FUNCTION BUTTONS. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS. XX INDICATES TYPE: S1: ONE BUTTON KEYPAD S2: TWO BUTTON KEYPAD S3: THREE BUTTON KEYPAD S4: FOUR BUTTON KEYPAD S5: FIVE BUTTON KEYPAD S8: EIGHT BUTTON KEYPAD D1: ONE ROCKER DIMMABLE KEYPAD
	R_X	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT ROOM CONTROLLER. REFER TO DETAILS FOR SYSTEM INTERCONNECTION REQUIREMENTS. X INDICATES TYPE: A. ONE RELAY SWITCHING CONTROLLER: LMR-C-101 B. TWO RELAY SWITCHING CONTROLLER: LMR-C-102 C. ONE RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMR-C-211 D. TWO RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMR-C-212 E. THREE RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMR-C-213
	R_BMS	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT INPUT/OUTPUT INTERFACE FOR BMS CONTROL OF LIGHTING. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED: LMIN-104.
	SW-OC-D	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT LMC-100 SERIES DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSOR. OCCUPANCY SENSOR SHALL TURN OFF LIGHTS AFTER 20 MINUTES OF INACTIVITY. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED.
	SW-LS	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT LMLS-105 SERIES PHOTOCELL. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED.
	ALCR	WATTSTOPPER ELCU-200 SERIES EMERGENCY LIGHTING CONTROL UNIT. UPON LOSS OF NORMAL POWER, EMERGENCY LIGHTING SHALL TURN ON REGARDLESS OF SWITCH POSITION.

ELECTRICAL ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
GFI	GROUND FAULT INTERRUPTER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTES
EM	INDICATES LIGHT OR DEVICE CONNECTED TO EMERGENCY POWER OR FURNISHED WITH A BATTERY PACK CONNECTED TO A NON-SWITCHED HOT WIRE.
EX	EXISTING DEVICE, LIGHT, OR CONDUIT & WIRE TO REMAIN
N	NEW DEVICE IN EXISTING OUTLET BOX
NL	INDICATES NIGHT LIGHT FIXTURE CONNECTED TO A NON-SWITCHED HOT WIRE
R	EXISTING DEVICE, LIGHT, OR CONDUIT & WIRE TO BE REMOVED
RB	EXISTING DEVICE OR LIGHT TO BE REMOVED WITH BLANK COVER ON OUTLET BOX
RL	EXISTING DEVICE OR LIGHT RELOCATED
RN	EXISTING DEVICE OR LIGHT TO BE REMOVED AND OUTLET BOX REUSED FOR NEW DEVICE OR LIGHT
EPO	EMERGENCY POWER-OFF
PDO	POWERED DOOR OPERATOR

ELECTRICAL SYMBOL LIST			
SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
			SUBSCRIPTS: TYPE / PROGRAMMING WG = WIRE GUARD IS REQUIRED W = WEATHERPROOF A = ATRIUM CA = CLEAN AGENT SYSTEM CR = COMPUTER ROOM E = ELEVATOR RECALL D = HVAC CONTROL DH = DOOR HOLD RELEASE DPS = DUAL INTERLOCK PREACTION SYS FD = FIRE DOOR RELEASE MP = MEDICAL PROCEDURE S = SLEEPING / PATIENT ROOM SW = STAIRWELL # = 15, 30, TS, TO, 177 CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FACP-#	28 31 00	FIRE ALARM CONTROL PANEL
	FAA-#	28 31 00	FIRE ALARM ANNUNCIATOR
	VCC-#	28 31 00	DIGITIZED VOICE COMMAND CENTER
	GAP-#	28 31 00	GRAPHICAL ANNUNCIATOR PANEL, FIRE ALARM
	NAC-#	28 31 00	NOTIFICATION APPLIANCE CIRCUIT PANEL
	AMP-#	28 31 00	AMPLIFIER RACK, FIRE ALARM
	SCP-#	28 31 00	FIREFIGHTER'S SMOKE CONTROL PANEL
	FATC-#	28 31 00	FIRE ALARM TERMINAL CABINET
	FA-120	28 31 00	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNT
			BLANK - PHOTOELECTRIC AT = ATTIC (LOCATED IN) BR = BEAM RECEIVER BT = BEAM TRANSMITTER CO = COMBINATION SMOKE / CARBON MONOXIDE COH = COMBINATION SMOKE / CARBON MONOXIDE / HEAT COS = COMBINATION SMOKE / CARBON MONOXIDE / STROBE H = COMBINATION SMOKE / HEAT DETECTOR ION = IONIZATION TYPE ID = IN DUCT DETECTOR SA = STAND ALONE WITH SOUNDER SB = SOUNDER BASE SV = STAND ALONE WITH SOUNDER AND 177 CANDELA STROBE FA-122
	FA-122	28 31 00	FIRE ALARM DUCT SMOKE DETECTOR
	ASSD-#	28 31 50	# = EQUIP OR SYSTEM FIRE ALARM AIR SAMPLING SMOKE DETECTION
	FA-130	28 31 00	FIRE ALARM MANUAL PULL STATION
	FA-131	28 31 00	FIRE ALARM MANUAL PULL STATION W/ COVER
	FA-200	28 31 00	FIRE ALARM VISUAL ALARM DEVICE, CEILING OR WALL MOUNT
			# = CANDELA RATING, CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FA-263	28 31 00	ELECTRIC BELL FOR SPRINKLER SYSTEM
	FA-210	28 31 00	AUDIO HORN/CHIME ALARM DEVICE, CEILING OR WALL MOUNTED
			M = MINI-HORN S = SLEEPING / PATIENT ROOM
	FA-211	28 31 00	COMBINATION AUDIO HORN/CHIME AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED
			# = CANDELA RATING, CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FA-220	28 31 00	AUDIO (SPEAKER) ALARM DEVICE, CEILING OR WALL MOUNTED
	FA-221	28 31 00	COMBINATION AUDIO (VOICE) AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED
			# = CANDELA RATING, CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FA-241	28 31 00	FIRE ALARM REMOTE INDICATOR
	FA-242	28 31 00	FIRE ALARM REMOTE INDICATOR W/ TEST SWITCH
	FA-260	28 31 00	FIRE ALARM FLOW SWITCH TO MONITOR SPRINKLER SYSTEM
			BLANK = REFER TO PLANS KB = KNOX BOX
	FA-261	28 31 00	FIRE ALARM TAMPER SWITCH TO MONITOR SPRINKLER SYSTEM
			BLANK = REFER TO PLANS PIV = POST INDICATOR VALVE
	FA-160	28 31 00	FIRE ALARM ADDRESSABLE MONITOR MODULE
			BLANK = REFER TO PLANS KB = KNOX BOX MONITOR
	FA-161	28 31 00	FIRE ALARM ADDRESSABLE CONTROL MODULE
			BLANK = REFER TO PLANS LC = LIGHTING CONTROL OVERRIDE DH = DOOR HOLD OPEN PD = HOLD OPEN OVERRIDE CONNECTION
	FA-271	28 31 00	FIRE ALARM DOOR HOLD DEVICE (BY OTHERS, WIRED BY E.C.)
			DH - ELECTROMAGNETIC DOOR HOLD DEVICE PD - HOLD OPEN OVERRIDE CONNECTION
	FA-270	28 31 00	FIRE ALARM DOOR HOLD DEVICE (BY E.C.)
	FA-280	28 31 00	FIRE ALARM ISOLATION MODULE
	FA-263	28 31 00	ELEVATOR HOIST WAY DAMPER AND CONTROL SWITCH
	EQOL	28 31 00	FIRE ALARM END OF LINE DEVICE, DRAWINGS ONLY
	FA-260	28 31 00	FIRE ALARM SMOKE OR FIRE/SMOKE DAMPER CONTROL WITH DETECTOR, AND ADDRESSABLE MODULE AND REMOTE INDICATOR WITH TEST SWITCH WHEN APPLICABLE) # = INDICATES EQUIP OR SYSTEM

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P. Lindsay Robertson - #PE
20202016725 04/07/2023

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 Saint Luke's East
 Lee's Summit, MO 64086

Date	04/07/2023
Job Number	3-23005
Drawn By	MSA
Checked By	PLR

Revision		
Number	Date	Description

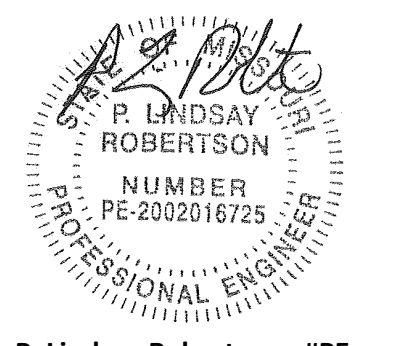
E000

© 2022 ACI/BOLAND, Inc. ELECTRICAL COVERSHEET



- SHEET NOTES:**
- REFER TO SHEET E000 AND E001 FOR SYMBOLS AND ELECTRICAL GENERAL NOTES. NOT ALL NOTES MAY APPLY TO THIS SHEET.
 - EXISTING LIGHTING NORMAL BRANCH CIRCUITS ARE SERVED FROM 277 VOLT NORMAL SOURCE PANELBOARD 'C1-10-HN'. TRACE EXISTING CIRCUITS AND VERIFY EXISTING CONDITIONS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
 - EXISTING LIGHTING CRITICAL BRANCH CIRCUIT(S) APPEAR TO BE SERVED FROM 277 VOLT CRITICAL SOURCE PANELBOARD 'C1-8-HEM'. TRACE EXISTING CIRCUITS AND VERIFY EXISTING CONDITIONS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
 - DEVICES AND LIGHTS TO BE DEMO'D ARE SHOWN DARK AND DASHED. ALL EXISTING TO REMAIN DEVICES AND LIGHTS ARE SHOWN LIGHTLY.
 - NOT ALL DEVICES AND LIGHTS TO BE DEMO'D ARE SHOWN. CONTRACTOR SHALL COMPLETELY REMOVE ALL DEVICES AND LIGHTS NO LONGER REQUIRED TO REMAIN.
 - EXISTING LIGHTING LIFE SAFETY BRANCH CIRCUITS ARE SERVED FROM 277 VOLT PANELBOARD 'C1-12-HEM'. TRACE AND VERIFY EXISTING CIRCUITS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
 - AS-BUILT DRAWINGS INDICATES EXISTING PANELS 'C1-10-HN' CIRCUITS #1, 3, 5 AND 'C1-12-HEM' CIRCUIT #3 SERVE LIGHTING BRANCH CIRCUITS IN NEW CT AND READING ROOMS AREA. VERIFY EXISTING CONDITIONS.
 - AS-BUILT DRAWINGS INDICATES EXISTING PANELS 'C1-8-HEM' CIRCUITS #7, 8 AND 'C1-18-LN' CIRCUIT #17 SERVE LIGHTING BRANCH CIRCUITS IN NEW RECOVERY ROOM AREA. VERIFY EXISTING CONDITIONS.

- KEYNOTES: (#)**
- MAINTAIN EXISTING BRANCH CIRCUIT(S) ADAPTED/EXTENDED/MODIFY EXISTING CIRCUIT(S) FOR NEW WORK INDICATED. VERIFY EXISTING CONDITIONS.
 - EXISTING BRANCH CIRCUIT WITHIN DESIGNATED ROOM OR AREA TO REMAIN. VERIFY EXISTING CONDITIONS.



P. Lindsay Robertson - #PE
2002016725 04/07/2023

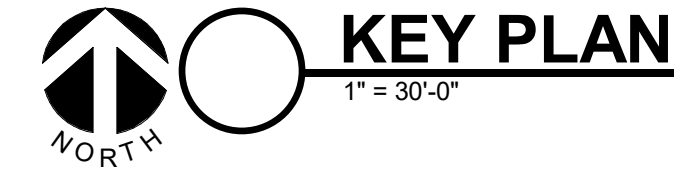
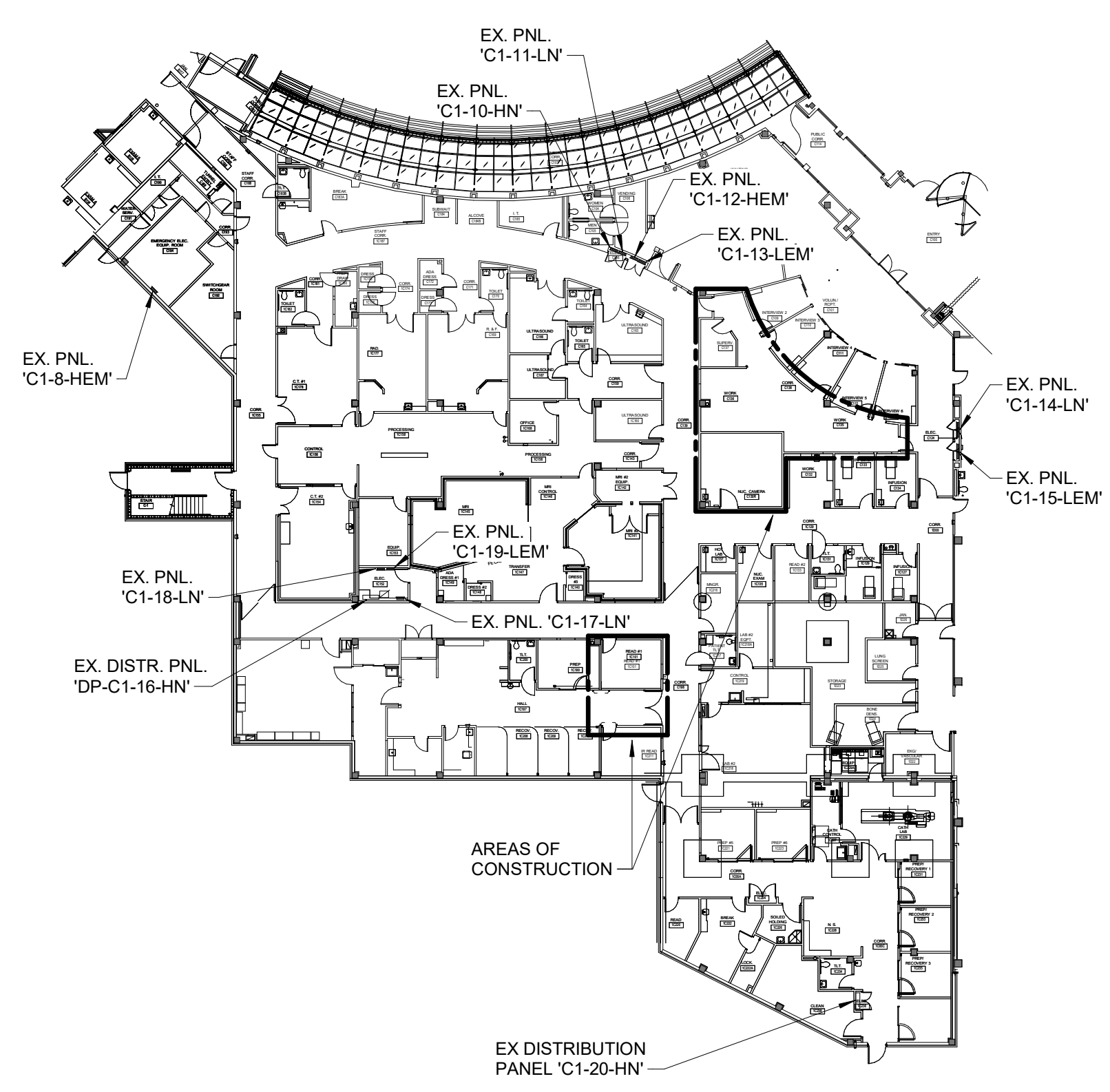
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FIRST FLOOR DEMOLITION PLAN - LIGHTING
1
1/4" = 1'-0"

Nuclear Medicine / Spect. CT remodel
100 NE Saint Luke's Blvd
Saint Luke's East
Lee's Summit, MO 64086

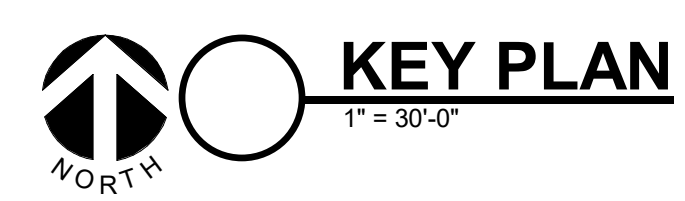
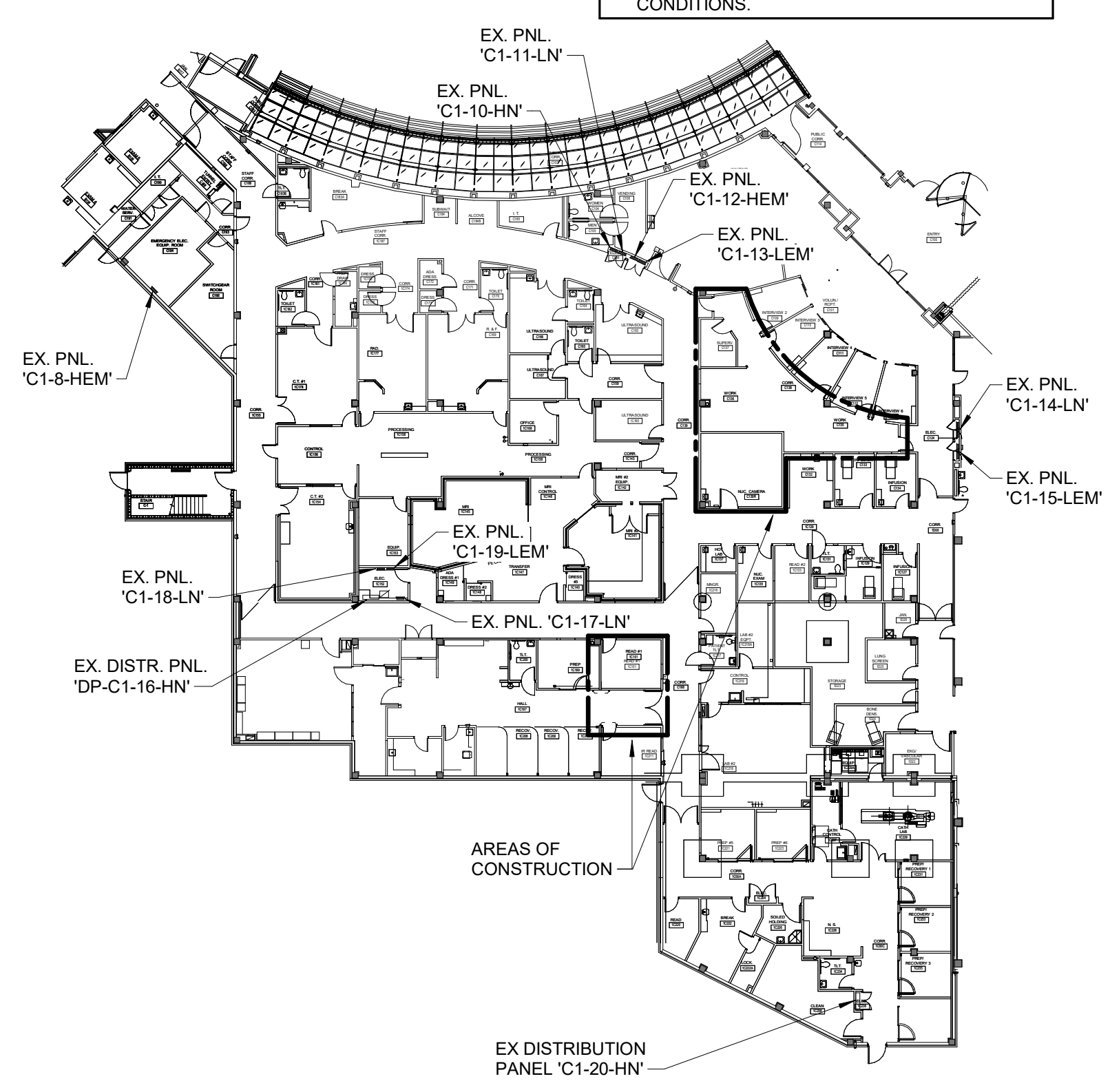
Date 04/07/2023
Job Number 3-23005
Drawn By MSA
Checked By PLR

Revision	Date	Description

BIN:380125001777.00 - SLH EastLees Summit - MO-Nuc Med Replace/MEP21_230101777.00_S LH EastLees Summit - MO-Nuc Med Replace - C.rvt 4/7/2023 9:16:00 AM



- SHEET NOTES:**
- REFER TO SHEET E000 AND E001 FOR SYMBOLS AND ELECTRICAL GENERAL NOTES. NOT ALL NOTES MAY APPLY TO THIS SHEET.
 - PROVIDE NEW BREAKERS TO MATCH WITH EXISTING PANEL RATINGS AND MATE WITH EXISTING SIZE, IF REQUIRED.
 - FOR PURPOSES OF VOLTAGE DROP, PROVIDE #10 WIRE FOR 120 VOLT BRANCH CIRCUIT HOMERUN BEYOND 70FT FROM SOURCE PANEL AND #8 WIRE FOR 120 VOLT BRANCH CIRCUIT HOMERUNS BEYOND 120FT FROM SOURCE PANEL.
 - UPON COMPLETION OF DEMOLITION WORK, CONFIRM QUANTITIES, SIZES, RATING AND POLES OF 'SPARE' BREAKERS IN EXISTING PANELS FOR RE-USE IN NEW WORK. PROVIDE LIST TO ARCHITECT AND ENGINEER FOR REVIEW, PRIOR TO ROUGH-IN.
 - DEVICES TO BE DEMOD ARE SHOWN DARK AND DASHED. ALL EXISTING TO REMAIN DEVICES ARE SHOWN LIGHTLY.
 - NOT ALL DEVICES TO BE DEMOD ARE SHOWN. CONTRACTOR SHALL COMPLETELY REMOVE ALL DEVICES NO LONGER REQUIRED TO REMAIN.
 - EMERGENCY RECEPTACLES BRANCH CIRCUITS APPEAR TO BE SERVED FROM 120 VOLT CRITICAL SOURCE PANELBOARDS 'C1-15-LEM' AND 'C1-19-LEM'. REFER TO KEY PLAN ON THIS SHEET FOR PANEL LOCATION.
 - RECEPTACLES SERVED FROM NORMAL SOURCE POWER APPEAR TO BE SERVED FROM NORMAL SOURCE PANEL 'C1-11-LN', 'C1-17-LN' AND 'C1-18-LN'. REFER TO KEY PLAN ON THIS SHEET FOR PANEL LOCATION.
 - REFER TO SIEMENS HEALTHCARE SYMBIA PRO. SPECTA Q3, SCANNER ROOM VENDOR DRAWINGS - SITE SPECIFIC, -ST. LUKES EAST HOSPITAL - LEE'S SUMMIT, MISSOURI - DRAWING #M105-000.891.01.02.02. FOR ALL INTERCONNECTING CABLING, CONDUIT AND WIRING, DESCRIPTION OF ITEMS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. IN ADDITION, REFER TO MANUFACTURER INSTALLATION MANUAL FOR ADDITIONAL REFERENCE MATERIAL ASSOCIATED WITH THIS INSTALLATION.
 - NOT ALL ELECTRICAL WORK IS SHOWN. REFER TO FINAL SIEMENS HEALTHCARE SITE SPECIFIC DRAWINGS FOR ALL INTERCONNECTING CABLING, CONDUIT, J-BOXES, ELECTRICAL DEVICES AND DESCRIPTION OF SYMBOLS WHICH APPLY TO THIS PROJECT. DESIGN INDICATED ON THIS PROJECT IS SHOWN FOR BIDDING PURPOSES AND MAY NOT BE FINAL. SITE SPECIFIC ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INDICATED ON VENDOR DRAWINGS AS OWNER OR CONTRACTOR FURNISHED AND/OR INSTALLED.
 - CONTRACTOR SHALL CAREFULLY COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH FINAL VENDOR DRAWINGS PRIOR TO INSTALLATION.
 - ALL CONDUIT RUNS MUST TAKE THE MOST DIRECT ROUTE AND SHALL BE FURNISHED WITH PULL STRINGS.
 - AS-BUILT DRAWING INDICATES EXISTING PANEL 'C1-11-LN' HAS NO 20 AMP, 1-POLE SPARE CIRCUIT BREAKERS AND ONE (1) 1-POLE SPACE. VERIFY EXISTING CONDITIONS.
 - AS-BUILT DRAWING INDICATES EXISTING PANEL 'C1-18-LN' HAS NO 20 AMP, 1-POLE SPARE CIRCUIT BREAKERS, AND NO SPACES. VERIFY EXISTING CONDITIONS.
 - AS-BUILT DRAWING INDICATES EXISTING PANEL 'C1-15-LEM' HAS (10) 20 AMP, 1-POLE SPARE CIRCUIT BREAKERS. VERIFY EXISTING CONDITIONS.
 - AS-BUILT DRAWING INDICATES EXISTING PANEL 'C1-19-LEM' HAS (11) 1-POLE SPACES. VERIFY EXISTING CONDITIONS.
 - AS-BUILT DRAWING INDICATES EXISTING PANEL 'C1-17-LN' HAS (12) 20 AMP, 1-POLE SPARE CIRCUIT BREAKERS, NO SPACES. VERIFY EXISTING CONDITIONS.
- KEYNOTES: (#)**
- MAINTAIN EXISTING BRANCH CIRCUIT(S) ADAPT/EXTEND/MODIFY EXISTING CIRCUIT(S) FOR NEW WORK INDICATED. VERIFY EXISTING CONDITIONS.
 - EXISTING RECEPTACLE CIRCUIT(S) WITHIN DESIGNATED ROOM TO REMAIN. VERIFY EXISTING CONDITIONS.
 - EXISTING 30 AMP, 2-POLE DISCONNECT WITH ASSOCIATED VENDOR EQUIPMENT, CONDUIT, WIRE AND RACEWAYS WITHIN EQUIPMENT ROOM TO BE REMOVED, UNLESS INDICATED OTHERWISE. AS-BUILT DRAWING INDICATES EXISTING MAIN FEEDER ORIGINATES FROM PANEL 'C1-17-LN'. VERIFY EXISTING CONDITIONS.



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PROJECT #230101777.00

1 FIRST FLOOR DEMOLITION PLAN - POWER
1/4" = 1'-0"

P. Lindsay Robertson - #PE
2002016725 04/07/2023

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Lee's Summit, MO 64086

Date 04/07/2023
Job Number 3-23005
Drawn By MSA
Checked By PLR

Revision
Number Date Description

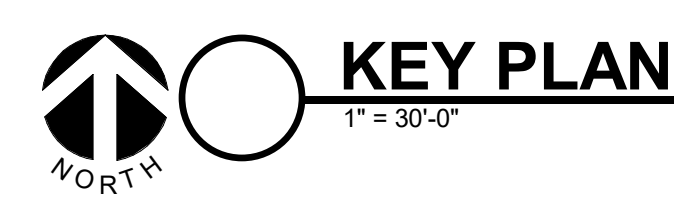
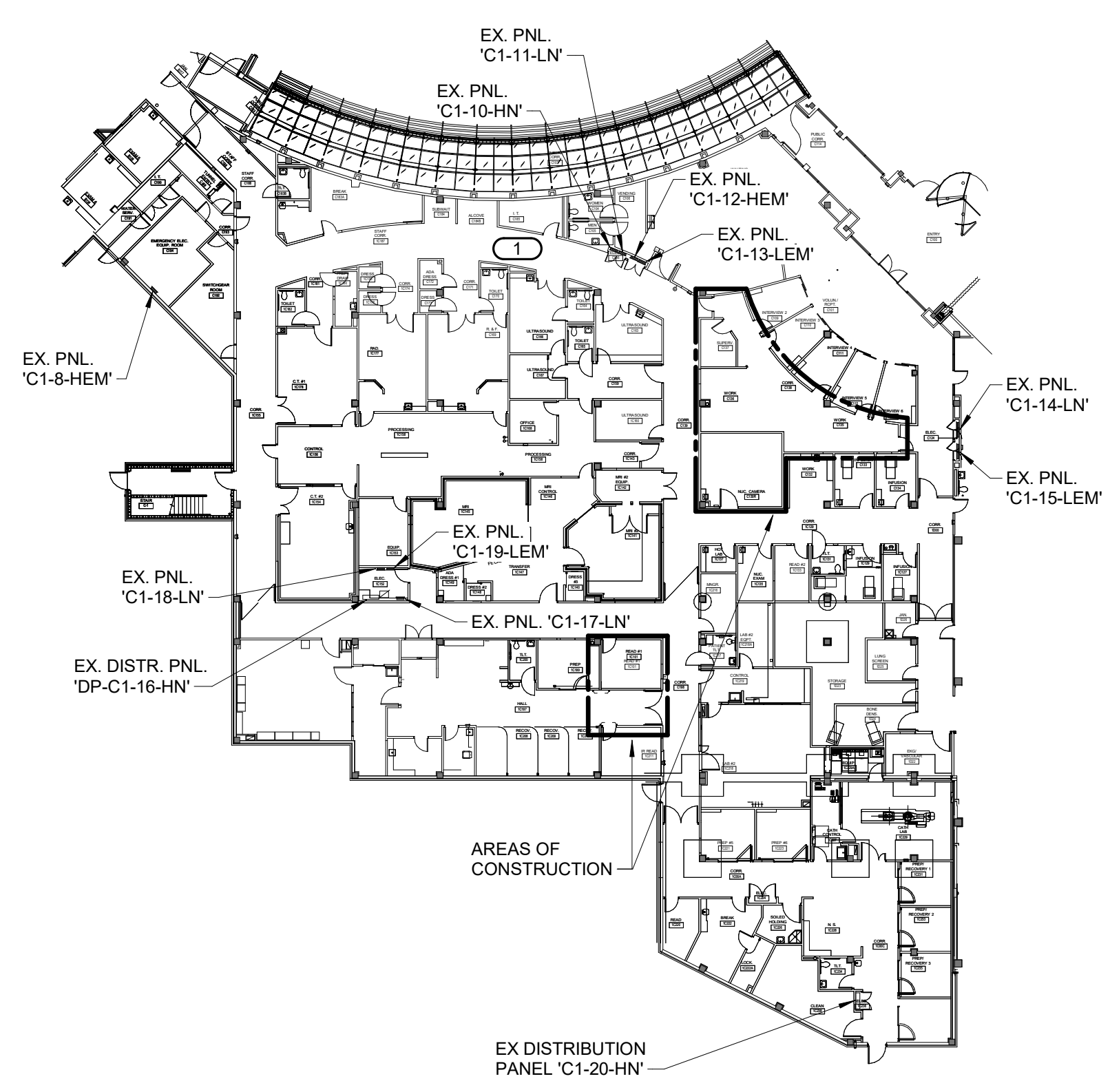
E111

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FIRST FLOOR DEMOLITION PLAN - POWER



- SHEET NOTES:**
- REFER TO SHEET E000 AND E001 FOR SYMBOLS AND ELECTRICAL GENERAL NOTES. NOT ALL NOTES MAY APPLY TO THIS SHEET.
 - RELOCATED AND NEW FIRE ALARM DEVICES SHALL BE INTERCONNECTED TO EXISTING FIRE ALARM SYSTEM SERVING THE FACILITY. PROVIDE ANY NEW COMPONENTS AND PANEL REQUIRED IN EXISTING FIRE ALARM SYSTEM TO SERVE DEVICES. ALL DEVICES, PANEL, COMPONENTS AND CABLING SHALL BE FURNISHED AND INSTALLED AS REQUIRED.
 - RELOCATED SPEAKER DEVICES SHALL BE INTERCONNECTED TO EXISTING SYSTEM SERVING THE LAB. PROVIDE ANY NEW COMPONENTS REQUIRED IN EXISTING SYSTEM TO SERVE DEVICES. ALL DEVICES, COMPONENTS AND CABLING SHALL BE FURNISHED AND INSTALLED AS REQUIRED.
 - CABLES FOR FIRE ALARM, PAGING AND NURSE CALL SHALL BE FLEXUR - RATED.
 - SUBMIT SHOP DRAWINGS SHOWING THE LOCATION OF NEW OPENING/CORED HOLES ON THE FLOOR FOR REVIEW. DO NOT CORE ANY HOLES UNTIL SHOP DRAWINGS ARE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER. NOTE IS APPLICABLE TO POWER AND SYSTEMS SHEETS.
 - BEFORE CORE DRILLING ANY HOLES, LOCATE REBAR IN THE SLAB BY X-RAY OR WITH R-METER. IF REBAR IS ENCOUNTERED WITHIN THE PROPOSED LOCATION OF THE HOLE, THEN EITHER RELOCATE THE HOLE TO MISS REBAR OR IF THE HOLE CANNOT BE RELOCATED, CONTACT STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CORING/DRILLING. DO NOT CORE ANY HOLES THROUGH THE BEAM WITHOUT APPROVAL OF STRUCTURAL ENGINEER. NOTE IS APPLICABLE TO POWER AND SYSTEMS SHEETS.
 - REFER TO SIEMENS HEALTHCARE DRAWINGS TITLED "SIEMENS HEALTHCARE - SYMBIA PRO. SPECTA Q3, SCANNER ROOM." FILE NAME #M105-000.887.01.02.02 FOR ALL INTERCONNECTING CABLING, CONDUIT AND WIRING. DESCRIPTION OF ITEMS TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. VERIFY SIEMENS HEALTHCARE DRAWINGS UTILIZED FOR CONSTRUCTION ARE THE LATEST REVISION.
 - COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH SIEMENS HEALTHCARE. PRIOR TO INSTALLATION.
 - NOT ALL DEVICES, JUNCTION BOXES, RACEWAYS, CABLING, ETC. ARE SHOWN. ELECTRICAL CONTRACTOR SHALL REFER TO ATTACHED SIEMENS HEALTHCARE DRAWINGS FOR ADDITIONAL DEVICES, JUNCTION BOXES, RACEWAYS, CABLING, ETC. TO BE PROVIDED AND DESCRIPTIONS OF SYMBOLS WHICH APPLY TO THIS PROJECT. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INDICATED ON HEALTHCARE DRAWINGS AS OWNER OR CONTRACTOR FURNISHED AND/OR INSTALLED.
 - ALL CONDUIT RUNS MUST TAKE THE MOST DIRECT ROUTE AND SHALL BE FURNISHED WITH PULLSTRINGS.

- KEYNOTES: (#)**
- UTILIZE EXISTING NETWORK CLOSET FOR NEW CABLING. REFER TO KEY PLAN THIS SHEET FOR CLOSET LOCATION.
 - ALL LOCATIONS AND TYPES OF DEVICES WITHIN DESIGNATED ROOM ARE BASED UPON AS-BUILT DRAWINGS. VERIFY EXISTING CONDITIONS.
 - EXISTING CEILING SPEAKER TO BE REMOVED. TEMPORARILY STORED AND RE-INSTALLED DURING NEW CEILING WORK.
 - EXISTING NURSE CALL DEVICES TO REMAIN.
 - EXISTING FIRE ALARM DEVICES TO REMAIN.
 - EXISTING FIRE ALARM DEVICE TO BE REMOVED. TEMPORARILY STORED AND RE-INSTALLED DURING NEW CEILING WORK.



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 REF. SCALE IN INCHES PROJECT #23001777.00

1 FIRST FLOOR DEMOLITION PLAN - SYSTEMS 1/4" = 1'-0"

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Saint Luke's East
Lee's Summit, MO 64086

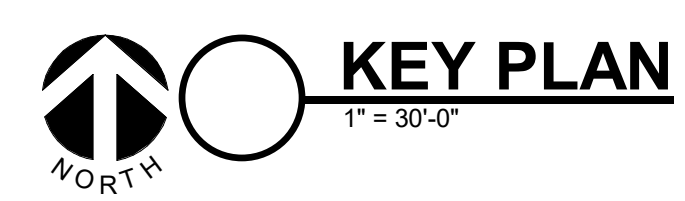
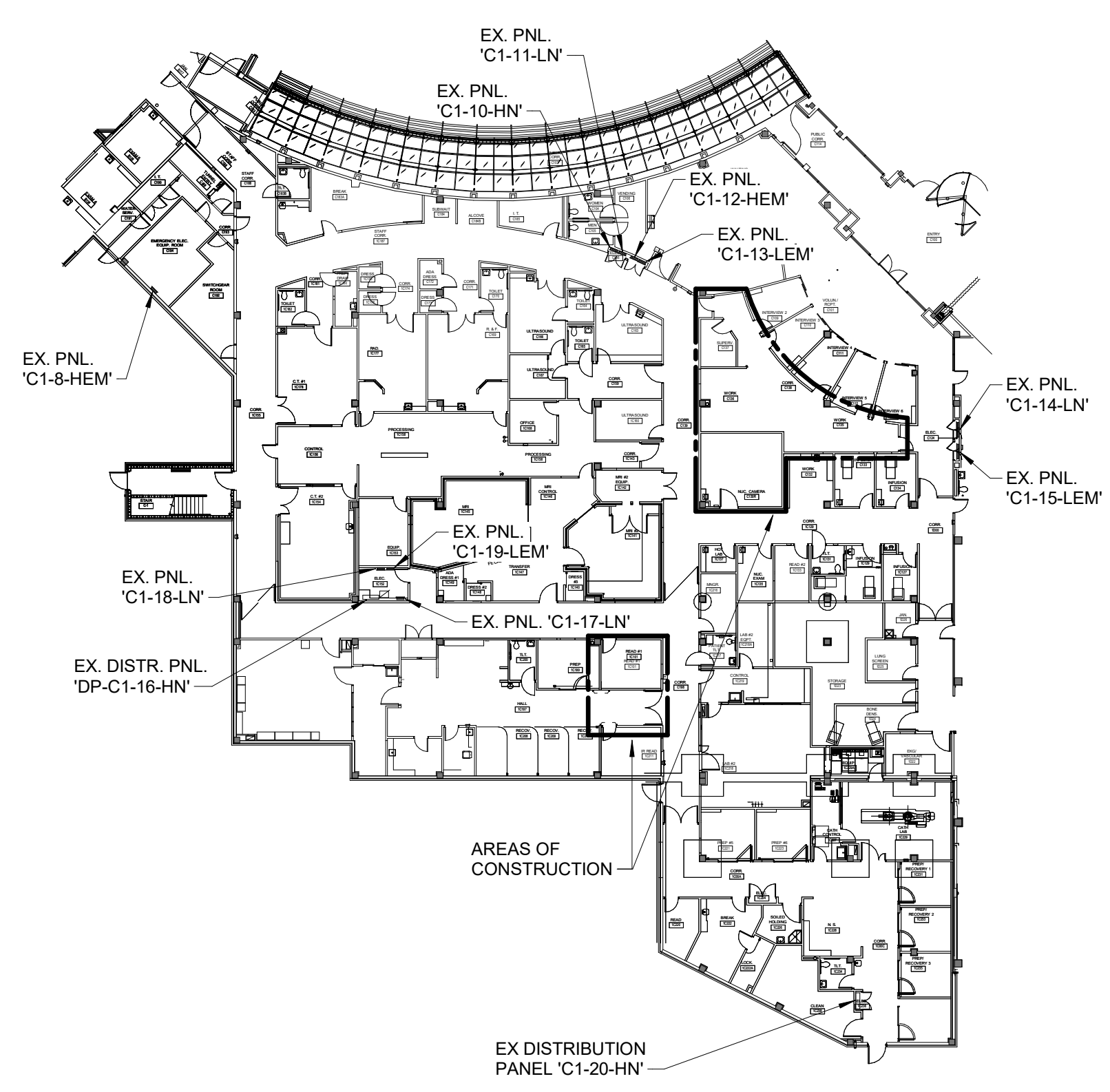
Date	04/07/2023
Job Number	3-23005
Drawn By	MSA
Checked By	PLR

Revision		
Number	Date	Description

BIN:380/23001777.00 - SLH EastLees Summit - MO-Nuc Med Replace/MEP21_23001777.00_SLH EastLees Summit - MO-Nuc Med Replace_C.rvt 4/7/2023 9:16:05 AM



- SHEET NOTES:**
- REFER TO SHEET E000 AND E001 FOR SYMBOLS AND ELECTRICAL GENERAL NOTES. NOT ALL NOTES MAY APPLY TO THIS SHEET.
 - EXISTING LIGHTING NORMAL BRANCH CIRCUITS ARE SERVED FROM 277 VOLT NORMAL SOURCE PANELBOARD 'C1-10-HN'. TRACE EXISTING CIRCUITS AND VERIFY EXISTING CONDITIONS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
 - EXISTING LIGHTING CRITICAL BRANCH CIRCUITS (APPEAR TO BE SERVED FROM 277 VOLT PANELBOARD 'C1-8-HEM'). TRACE EXISTING CIRCUITS AND VERIFY EXISTING CONDITIONS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
 - EXISTING LIGHTING LIFE SAFETY BRANCH CIRCUITS ARE SERVED FROM 277 VOLT PANELBOARD 'C1-12-HEM'. TRACE AND VERIFY EXISTING CIRCUITS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
 - CORRIDOR LIGHTING SHALL BE CONTROLLED WITH WATTSTOPPER DLM SYSTEM BMS INPUT INTERFACE AND WATTSTOPPER EMERGENCY CONTROL UNITS. REFER TO DETAILS.
 - LOW VOLTAGE WIRING FOR LIGHTING CONTROL SYSTEM IS NOT SHOWN ON DRAWINGS. SEE DETAILS ON THESE DRAWINGS FOR FURTHER INFORMATION. LIGHTING CONTROL SYSTEM MANUFACTURER SHALL PROVIDE DETAILED SCHEMATIC AND SHOP DRAWINGS AND RECOMMENDATIONS TO CONTRACTOR. DRAWINGS SHALL ALSO BE PROVIDED TO ARCHITECT AND ENGINEER FOR THEIR REVIEW AND COMMENT. PROVIDE PERTINENT INFORMATION FOR SYSTEM IN O&M MANUAL.
 - COMMISSIONING OF LIGHTING CONTROL SYSTEM SHALL BE PERFORMED BY FACTORY TRAINED AND CERTIFIED TECHNICIAN.
- KEYNOTES:**
- "IN-USE" SIGN, INTERCONNECT WITH X-RAY EQUIPMENT AS DIRECTED BY SIEMENS EQUIPMENT VENDOR. REFER TO SHEET E211.
 - FOR EXIT SIGNS, PROVIDE UNSWITCHED HOT CONDUCTOR FROM LIFE SAFETY LIGHTING CIRCUIT SERVING CORRIDORS.
 - INTERCEPT, EXTEND AND CONNECT TO EXISTING LIFE SAFETY SOURCE CORRIDOR LIGHTING BRANCH CIRCUIT. TAKE READINGS TO ENSURE CIRCUIT WILL NOT BECOME OVERLOADED. VERIFY EXISTING CONDITIONS.
 - INTERCEPT, EXTEND AND CONNECT TO EXISTING NORMAL BRANCH CIRCUIT. TAKE READINGS TO ENSURE CIRCUIT WILL NOT BECOME OVERLOADED. TRACE AND VERIFY EXISTING CONDITIONS AND LOADS PRIOR TO ROUGH-IN.
 - INTERCEPT, EXTEND AND CONNECT TO EXISTING CRITICAL SOURCE LIGHTING BRANCH CIRCUIT. TAKE READINGS TO ENSURE CIRCUIT WILL NOT BECOME OVERLOADED. VERIFY EXISTING CONDITIONS.
 - PROVIDE WATTSTOPPER DLM LMR-C-211, 0-10V DIMMING ROOM CONTROLLER. LOW LIMIT DIMMING "OFF POSITION" TO BE SET TO MAINTAIN 1 FC LIGHTING LEVEL THROUGHOUT CORRIDOR. REFER TO DETAIL - 2/E001.
 - PROVIDE WATTSTOPPER DLM LMO-101 DIGITAL INPUT/OUTPUT INTERFACE ENCLOSURE FOR BMS CONTROL OF CORRIDOR LIGHTING. REFER TO DETAIL - 2/E001.
 - PROVIDE WATTSTOPPER ELCU-200 EMERGENCY LIGHTING CONTROL RELAY TO BYPASS ROOM CONTROLLER AND BRING EMERGENCY LIGHTS IN CORRIDORS TO FULL BRIGHTNESS UPON LOSS OF NORMAL POWER. REFER TO DETAIL - 3/E001.



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1 FIRST FLOOR PLAN - LIGHTING
1/4" = 1'-0"

P. Lindsay Robertson - #PE
2020216725 04/07/2023

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Revision
Number Date Description

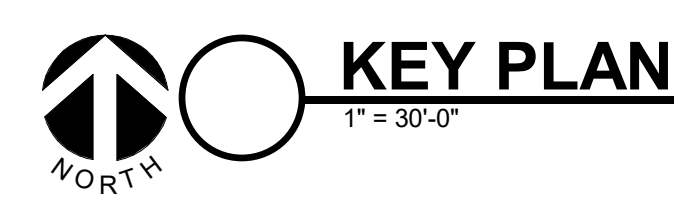
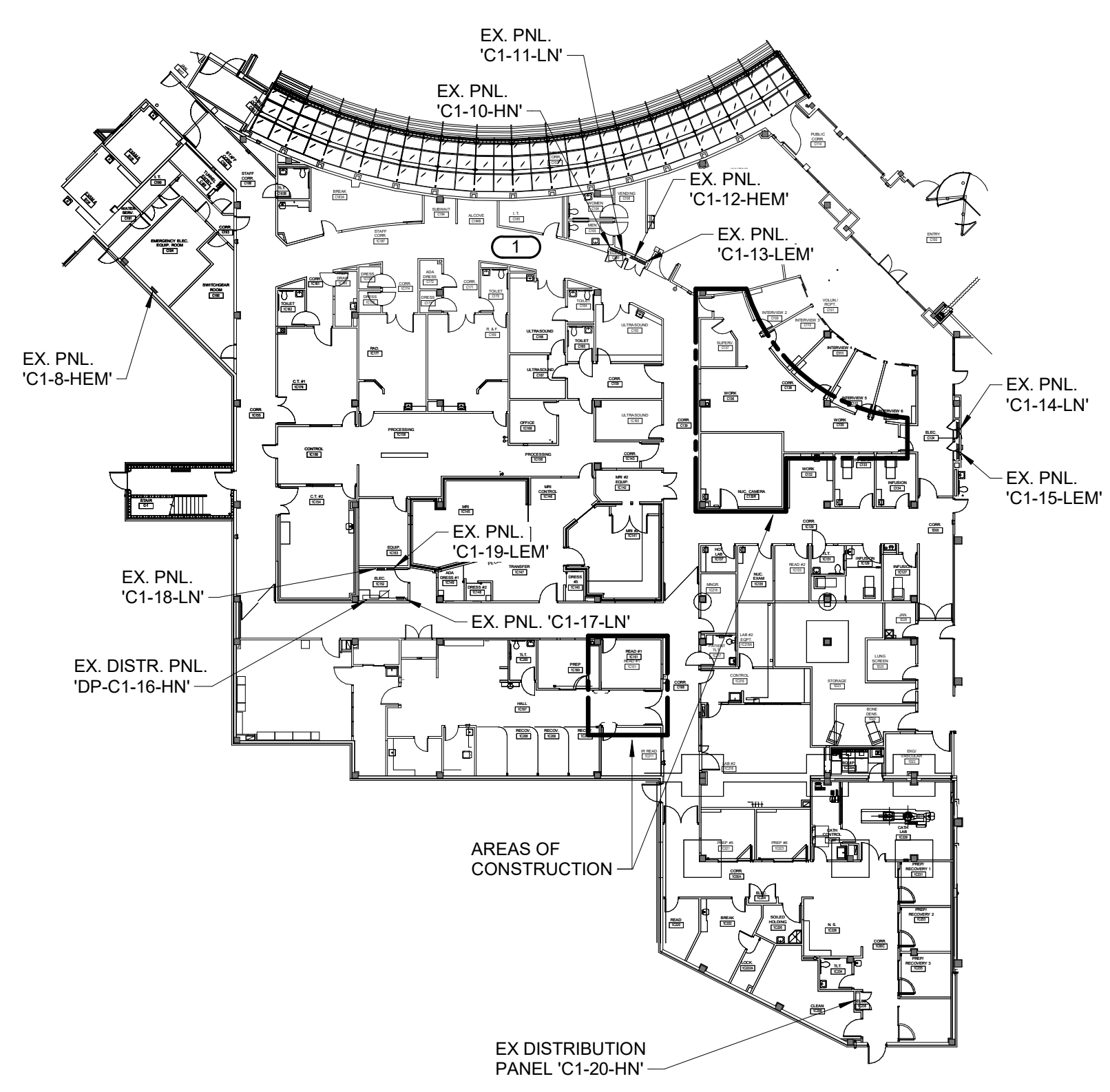
E201
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FIRST FLOOR PLAN - LIGHTING

BIN:380125001777.00 - SLH EastLees Summit - MO-Nuc Med Replace/MEP21_23001777.00_S LH EastLees Summit - MO-Nuc Med Replace_C.rvt 4/7/2023 9:16:09 AM



- SHEET NOTES:**
- REFER TO SHEET E000 AND E001 FOR SYMBOLS AND ELECTRICAL GENERAL NOTES. NOT ALL NOTES MAY APPLY TO THIS SHEET.
 - RELOCATED AND NEW FIRE ALARM DEVICES SHALL BE INTERCONNECTED TO EXISTING FIRE ALARM SYSTEM SERVING THE FACILITY. PROVIDE ANY NEW COMPONENTS AND PANEL REQUIRED IN EXISTING FIRE ALARM SYSTEM TO SERVE DEVICES. ALL DEVICES, PANEL, COMPONENTS AND CABLING SHALL BE FURNISHED AND INSTALLED AS REQUIRED.
 - RELOCATED SPEAKER DEVICES SHALL BE INTERCONNECTED TO EXISTING SYSTEM SERVING THE FACILITY. PROVIDE ANY NEW COMPONENTS REQUIRED IN EXISTING SYSTEM TO SERVE DEVICES. ALL DEVICES, PANEL, COMPONENTS AND CABLING SHALL BE FURNISHED AND INSTALLED AS REQUIRED.
 - NEW NURSE CALL DEVICES SHALL BE INTERCONNECTED TO EXISTING NURSE CALL SYSTEM SERVING THE FACILITY. PROVIDE ANY NEW COMPONENTS AND PANEL REQUIRED IN EXISTING SYSTEM TO SERVE DEVICES. ALL DEVICES, PANEL, COMPONENTS AND CABLING SHALL BE FURNISHED AND INSTALLED AS REQUIRED.
 - CABLES FOR FIRE ALARM, PAGING AND NURSE CALL SHALL BE PLENUM - RATED.
 - SUBMIT SHOP DRAWINGS SHOWING THE LOCATION OF NEW OPENING/CORED HOLES ON THE FLOOR FOR REVIEW. DO NOT CORE ANY HOLES UNTIL SHOP DRAWINGS ARE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER. NOTE IS APPLICABLE TO POWER AND SYSTEMS SHEETS.
 - BEFORE CORE DRILLING ANY HOLES, LOCATE REBAR IN THE SLAB BY X-RAY OR WITH REMETER. IF REBAR IS ENCOUNTERED WITHIN THE PROPOSED LOCATION OF THE HOLE, THEN EITHER RELOCATE THE HOLE TO MISS REBAR OR IF THE HOLE CANNOT BE RELOCATED, CONTACT STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CORING/DRILLING. NOTE IS APPLICABLE TO POWER AND SYSTEMS SHEETS.
 - REFER TO SIEMENS HEALTHCARE DRAWINGS TITLED "SIEMENS HEALTHCARE - SYNDA PRO. SPEC TA 03. SCANNER ROOM." FILE NAME #M105-000.891.01.02.02 FOR ALL INTERCONNECTING CABLING, CONDUIT AND WIRING. DESCRIPTION OF ITEMS TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. VERIFY SIEMENS HEALTHCARE DRAWINGS UTILIZED FOR CONSTRUCTION ARE THE LATEST REVISION. CONTRACTOR SHALL CAREFULLY COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH SIEMENS HEALTHCARE. PRIOR TO INSTALLATION.
 - NOT ALL DEVICES, JUNCTION BOXES, RACEWAYS, CABLING, ETC. ARE SHOWN. ELECTRICAL CONTRACTOR SHALL REFER TO ATTACHED SIEMENS HEALTHCARE DRAWINGS FOR ADDITIONAL DEVICES, JUNCTION BOXES, RACEWAYS, CABLING, ETC. TO BE PROVIDED AND DESCRIPTIONS OF SYMBOLS WHICH APPLY TO THIS PROJECT. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INDICATED ON SIEMENS HEALTHCARE DRAWINGS AS OWNER OR CONTRACTOR FURNISHED AND/OR INSTALLED.
 - ALL CONDUIT RUNS MUST TAKE THE MOST DIRECT ROUTE AND SHALL BE FURNISHED WITH PULLSTRINGS.
 - EXTEND ALL I.T. CABLES TO EXISTING I.T. CLOSET. PROVIDE NEW PATCH PANELS FOR CABLING AS REQUIRED.

- KEYNOTES:**
- UTILIZE EXISTING NETWORK CLOSET FOR NEW CABLING. REFER TO KEY PLAN THIS SHEET FOR CLOSET LOCATION.
 - EXISTING FIRE ALARM DEVICE TO BE REMOVED. TEMPORARILY STORED AND RE-INSTALLED DURING NEW CEILING WORK.
 - EXISTING CEILING SPEAKER TO BE REMOVED. TEMPORARILY STORED AND RE-INSTALLED DURING NEW CEILING WORK.
 - DESIGNATED DATA OUTLET SHALL BE PROVIDED AS PART OF ALTERNATE BID #3.
 - DESIGNATED DATA OUTLET SHALL BE MOUNTED DIRECTLY ABOVE NEW DUPLEX RECEPTACLE.
 - CARD READER SHALL UNLOCK DOOR THEN ACTIVATE AUTO DOOR OPERATOR. REFER TO POWER PLAN FOR MORE INFORMATION.



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1 FIRST FLOOR PLAN - SYSTEMS
 1/4" = 1'-0"

P. Lindsay Robertson - #PE
2002016725 04/07/2023

ACI

BOLAND

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 FIRST FLOOR PLAN - SYSTEMS