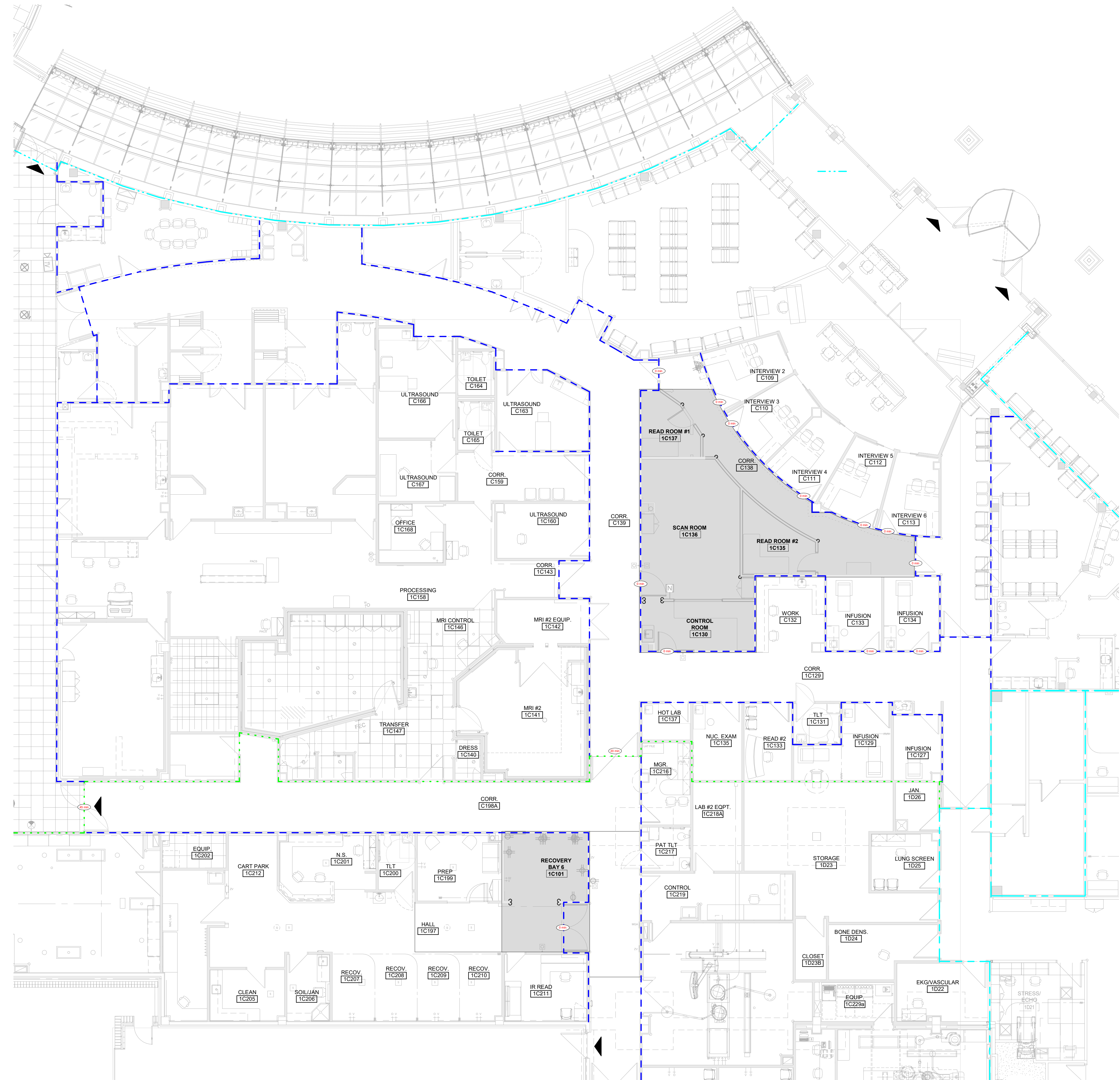




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CODE FOOTPRINT LEGEND

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  
Responding Fire Service: Lee's Summit Fire Department  
Local Building Inspection: 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)  
1360 +/- SF

Area of Renovation:  
1360 +/- SF

Occupancy Group:  
I-2 - Section 308.3

Occupant Load:  
Institutional Outpatient  
Total Square Footage:  
100 gross Table 1004.5  
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 detectors 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

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

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  
Number Date Description

A0.2  
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CODE FOOTPRINT PLAN

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ACI/Boland Architects  
4/7/2023 12:01:56 PM  
Samuel K. Beckman - Architect  
License - Missouri WA-2011012130

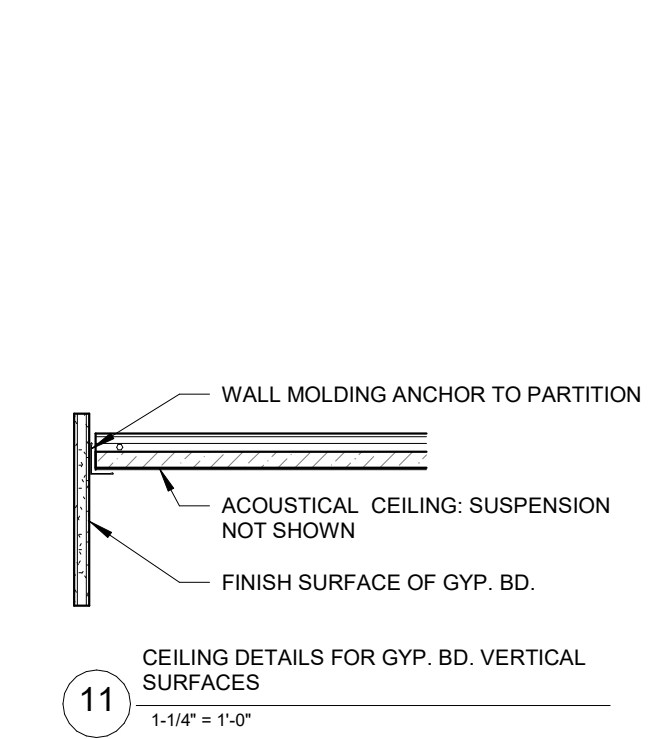
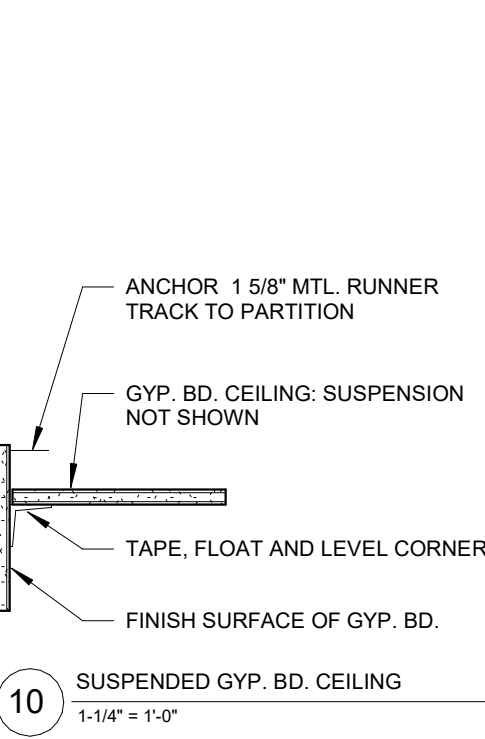
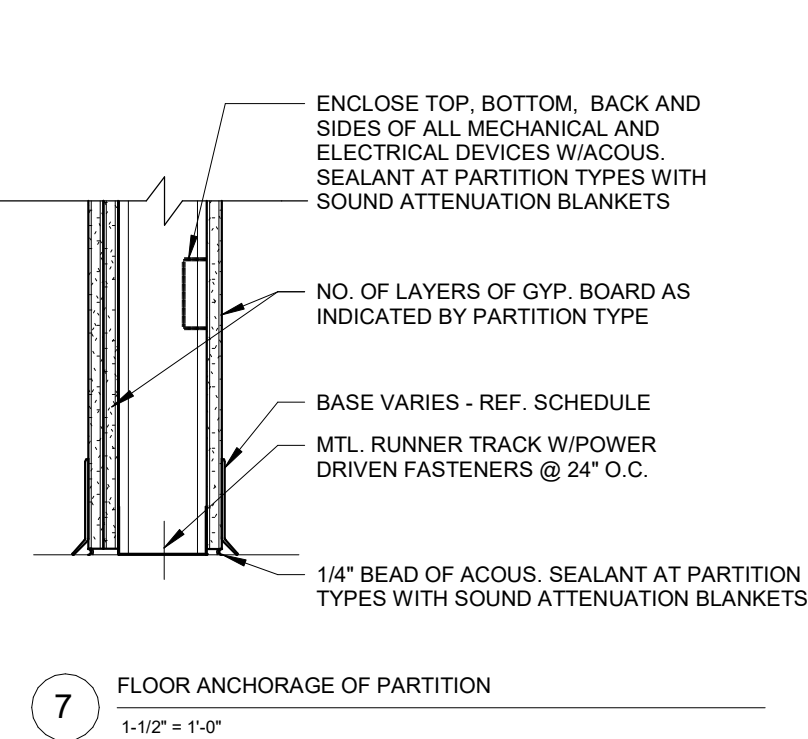
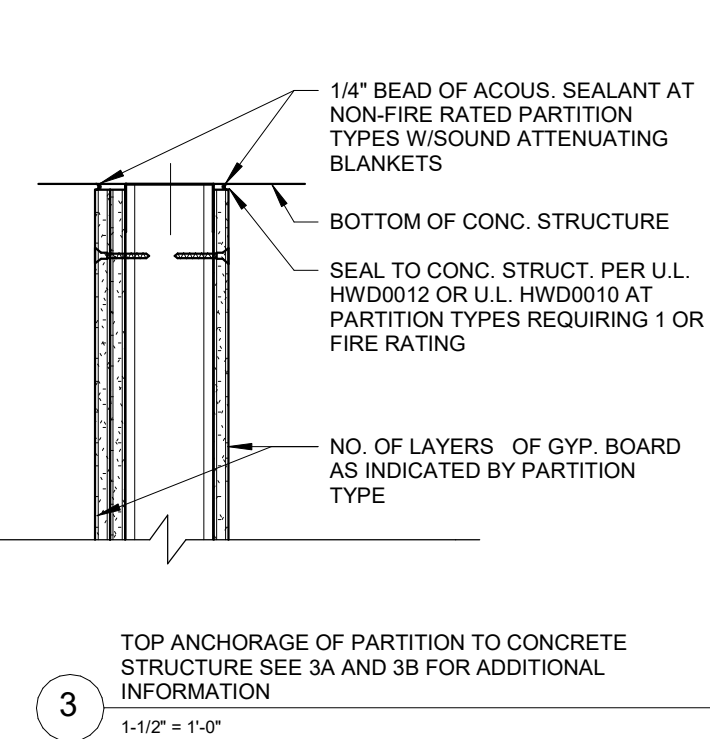
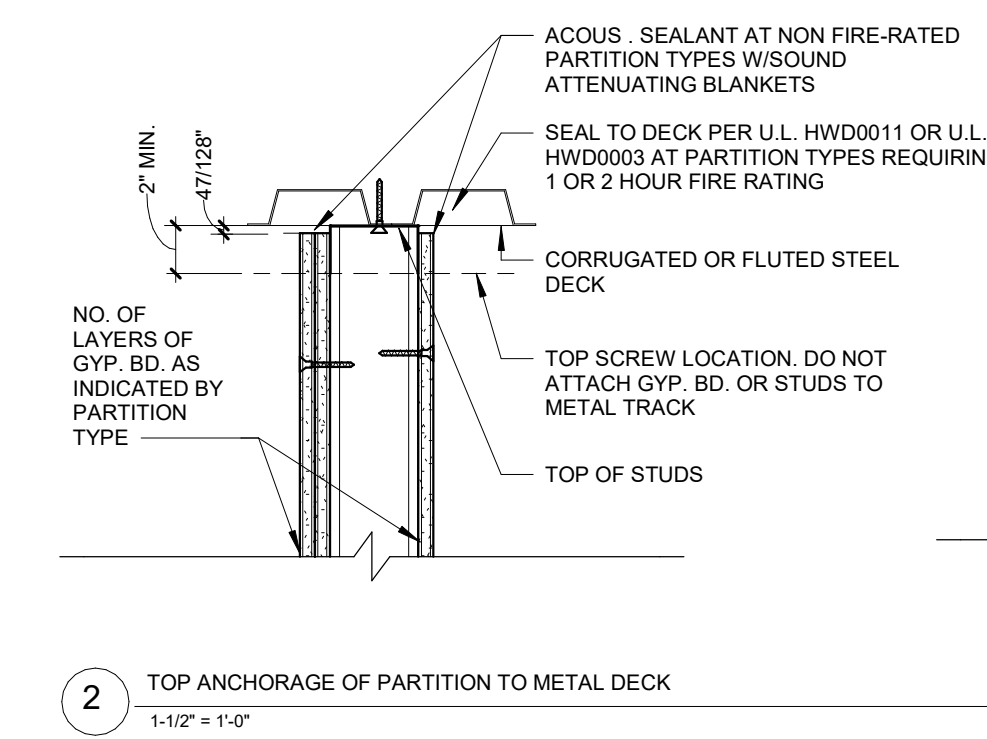
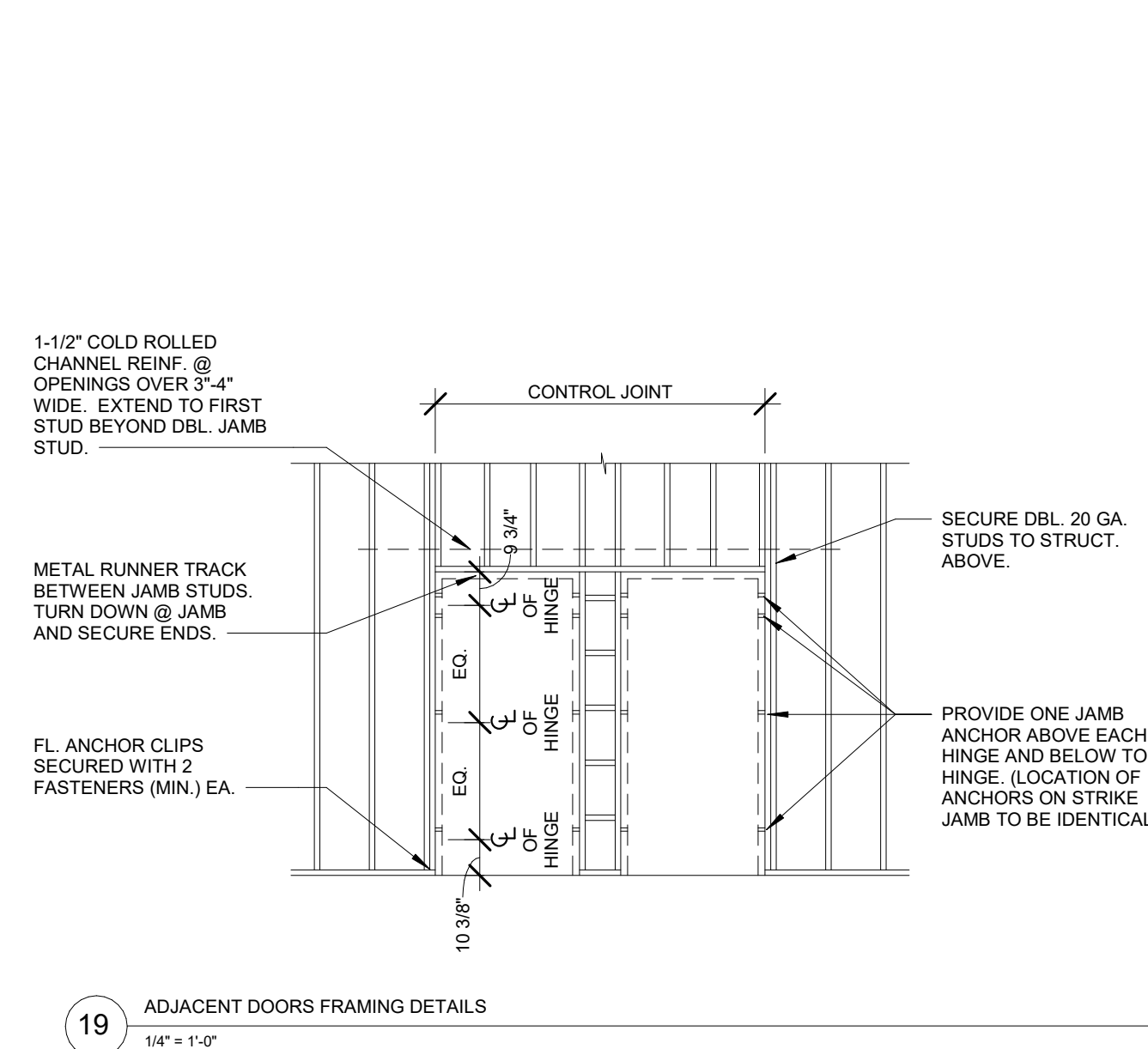
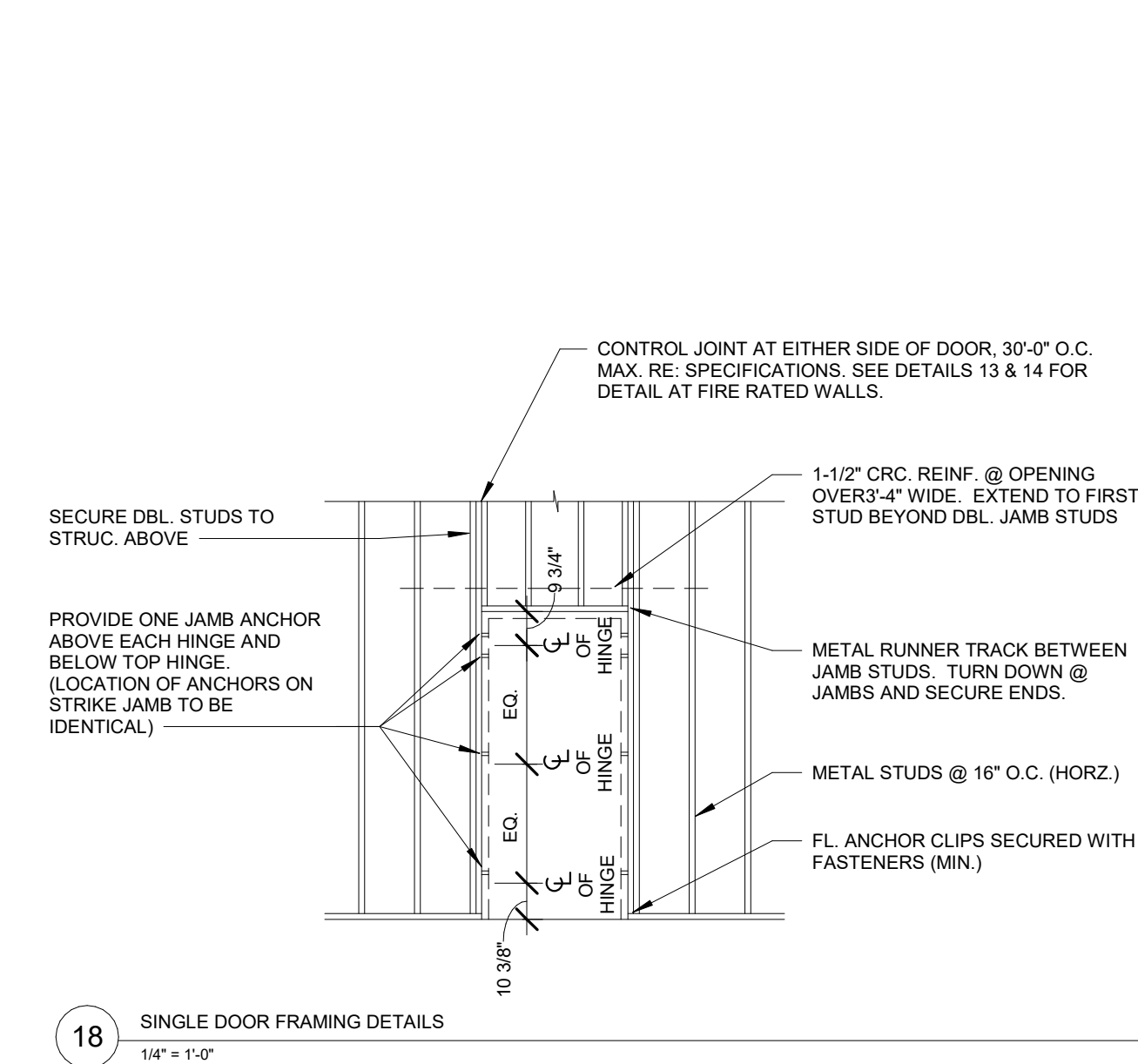
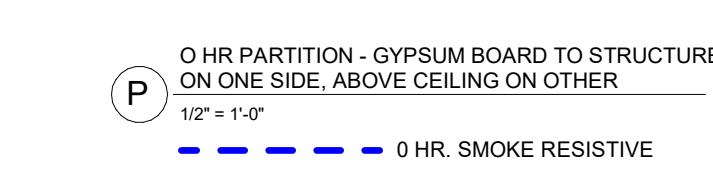
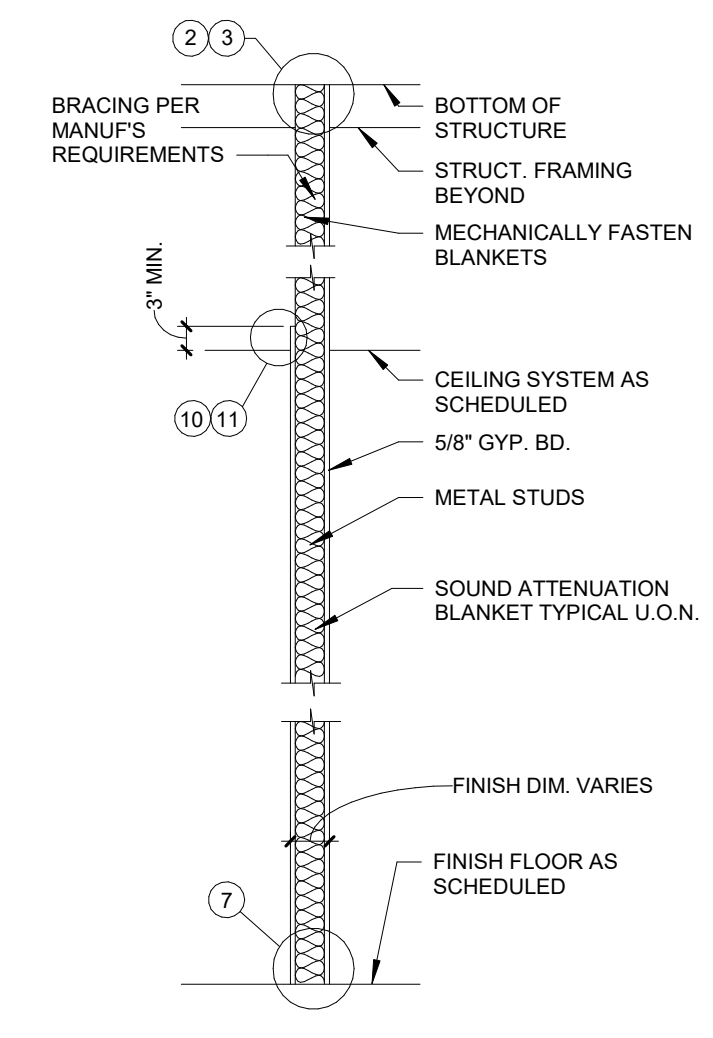
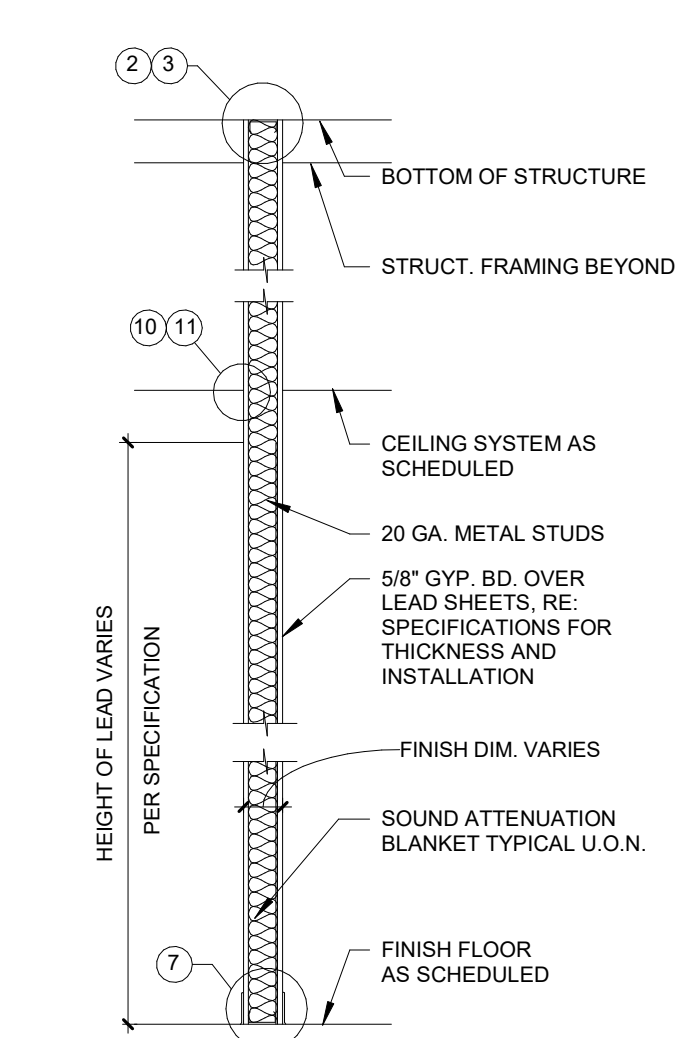
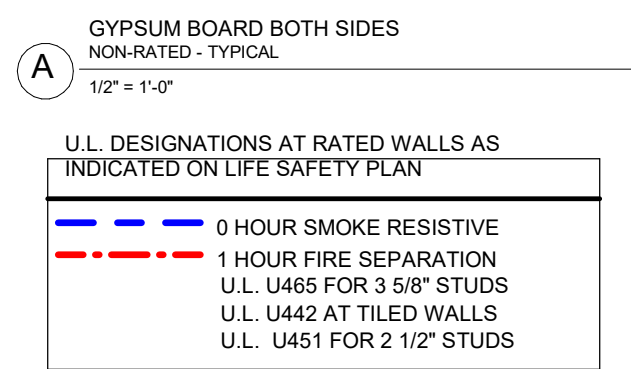
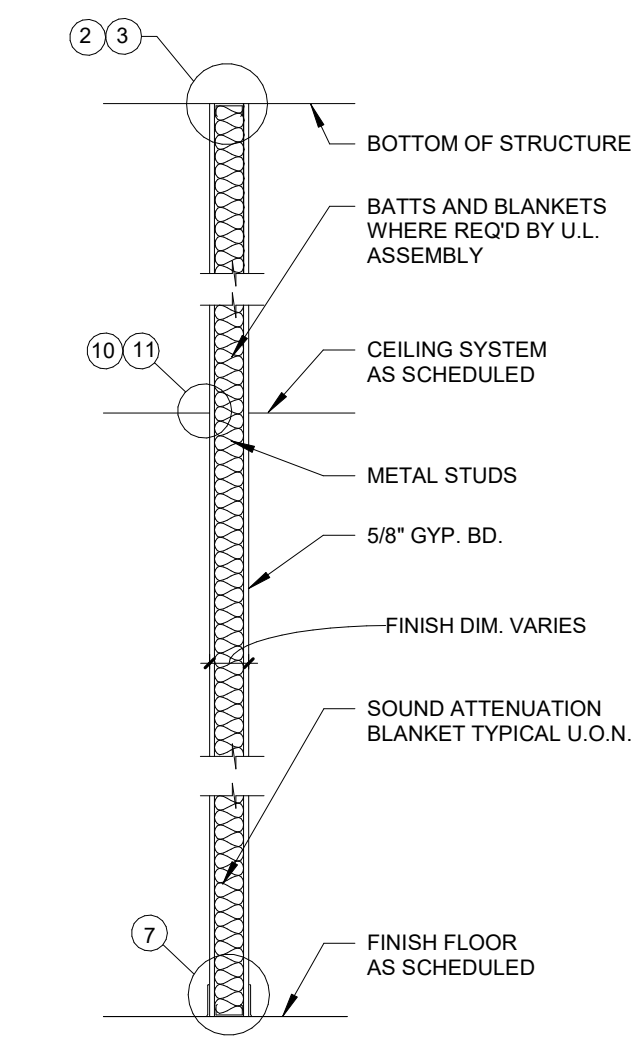
ACI  
BOLAND  
ARCHITECTS

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:

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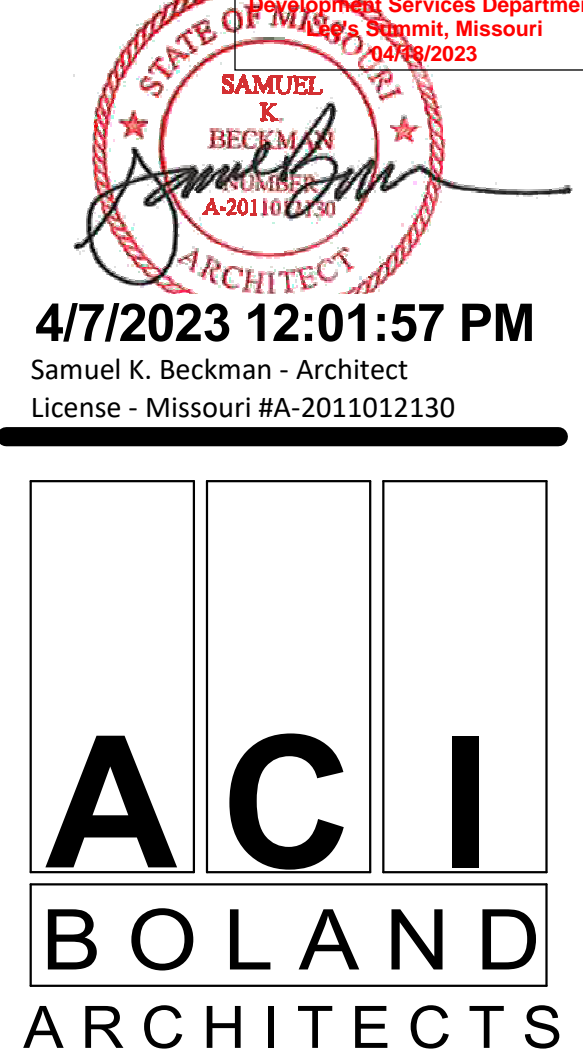


## PARTITION GENERAL NOTES

- UNLESS NOTED OTHERWISE, ALL INTERIOR METAL STUDS ARE 3/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3/8" 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	6" 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.
- AT 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.

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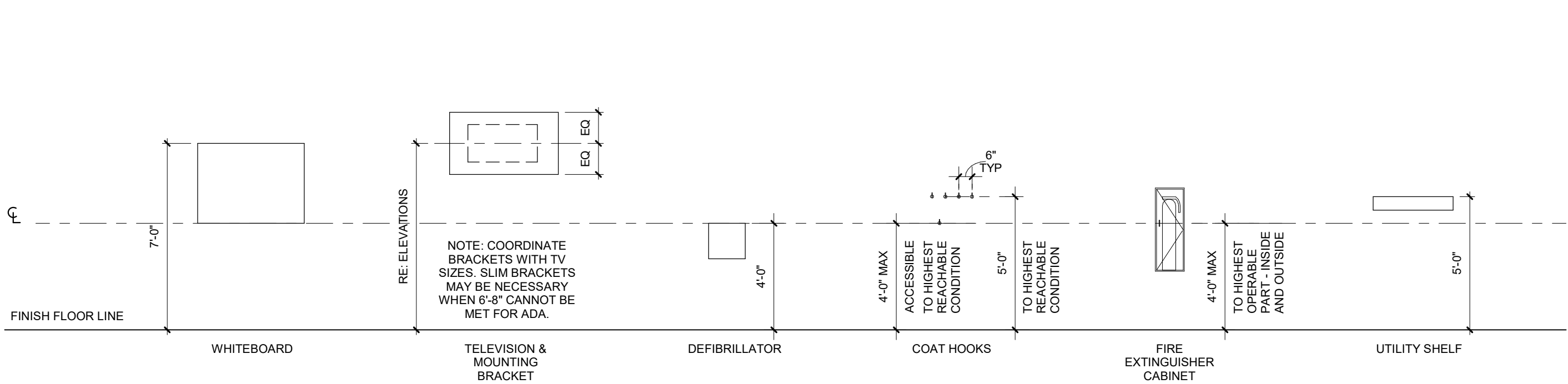
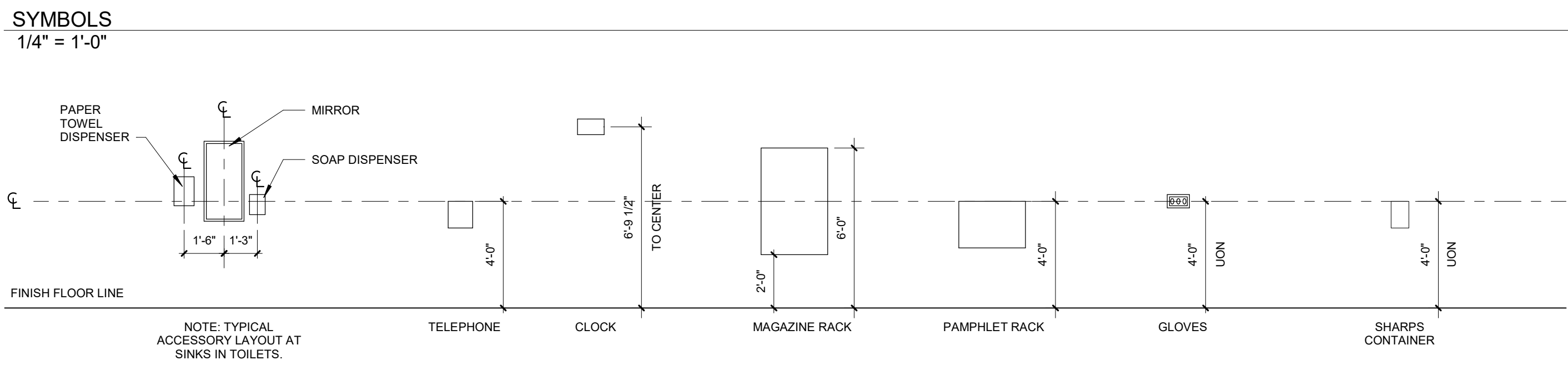
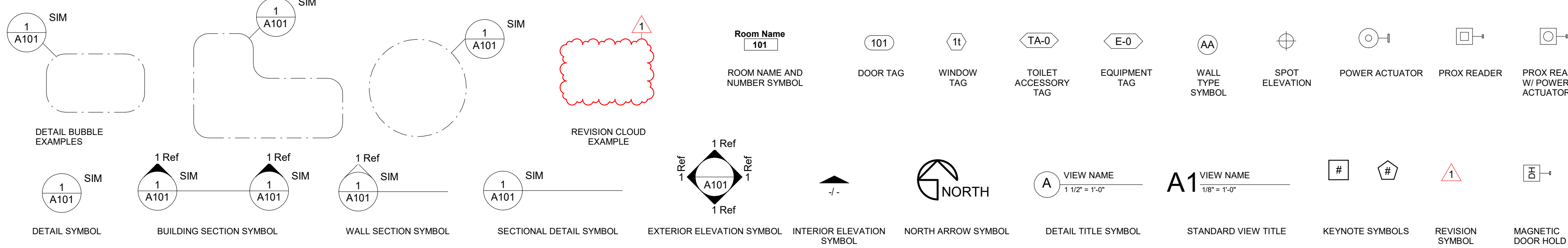
ACI/Boland, Inc.  
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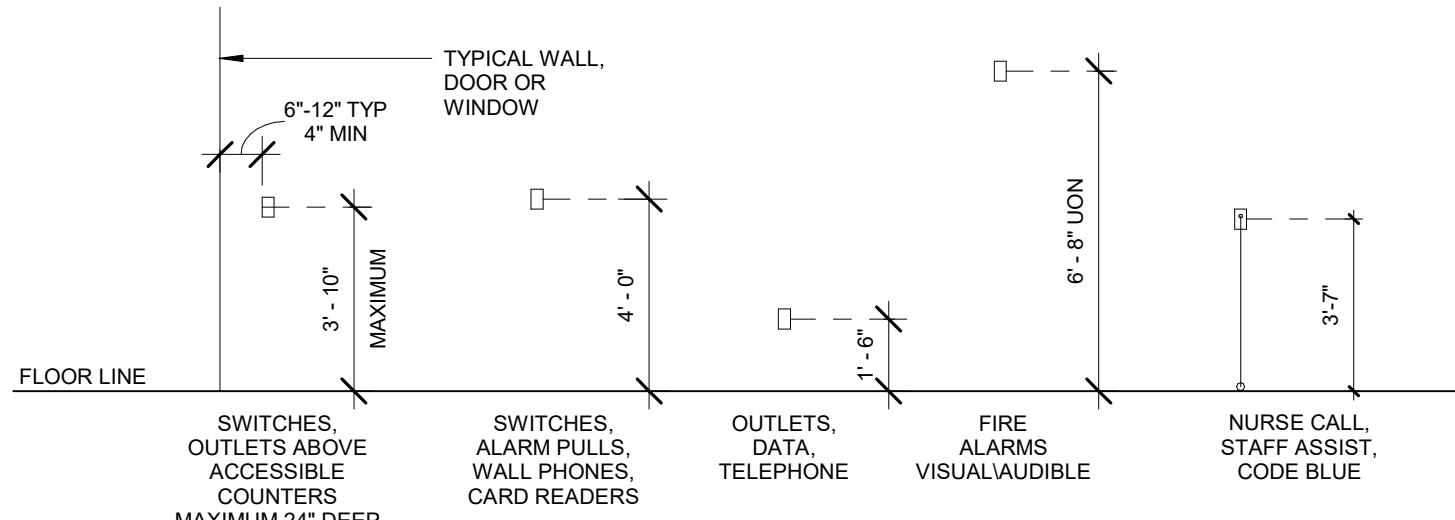
## GENERAL NOTES

- 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.



## 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 BLOCKING FOR ALL EQUIPMENT OVER SOLBS AND FIRE RETARDANT PLYWOOD FOR EQUIPMENT UNDER SOLBS, AS REQUIRED FOR THE MOUNTING OF ALL EQUIPMENT.

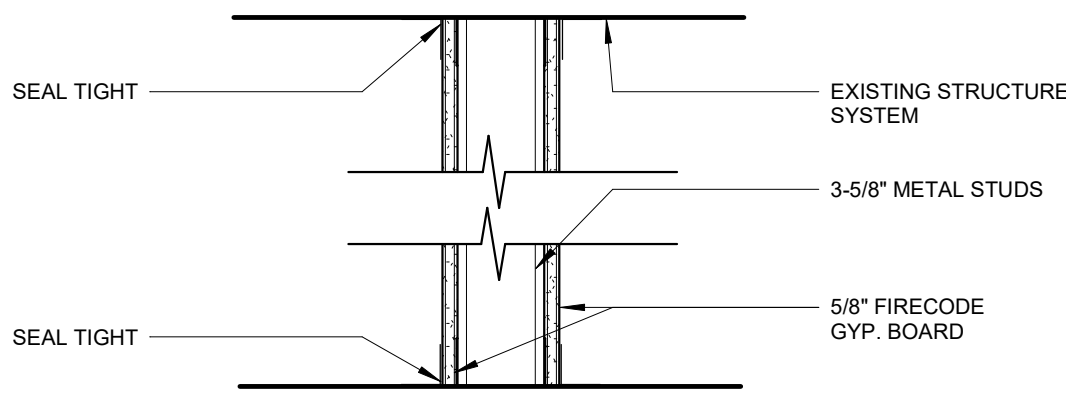
Nuclear Medicine / Spect. CT remodel  
100 NE Saint Luke's Blvd  
Saint Luke's East  
Lee's Summit, MO 64086

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

Revision  
Number Date Description

A0.3

GENERAL NOTES, LEGENDS,  
PARTITION TYPES AND DETAILS



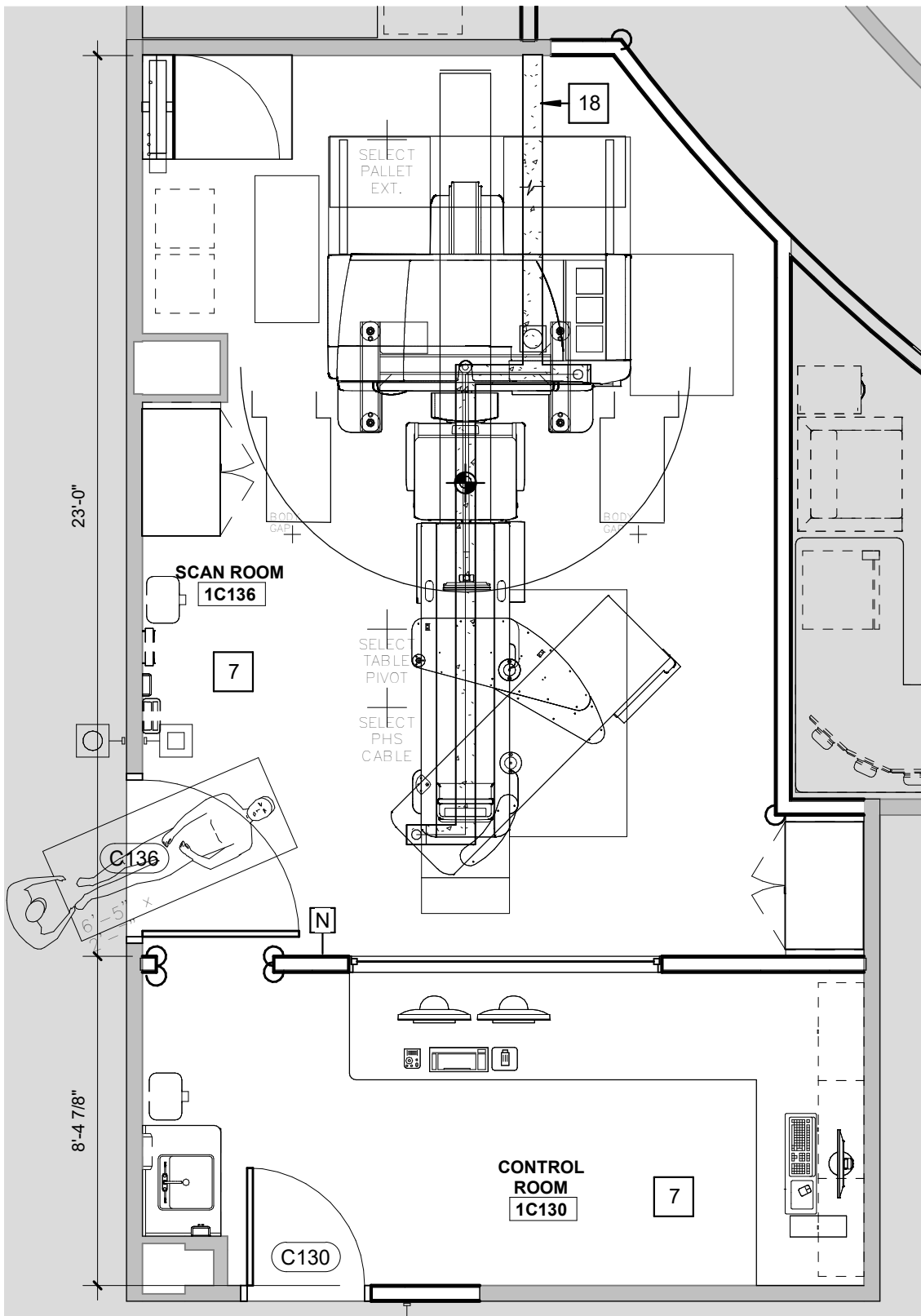
WHERE DUST PARTITIONS ARE TO REMAIN THROUGH CONSTRUCTION, THEY SHALL BE CONSTRUCTED OF 3-5/8" METAL STUDS WITH CONTINUOUS TOP AND BOTTOM RUNNERS. PARTITIONS SHALL EXTEND TIGHT FROM FLOOR TO THE EXISTING CEILING OR STRUCTURE ABOVE, AND COPED AROUND DUCTS, PIPES, ETC., THAT PENETRATE THE PARTITION. THE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

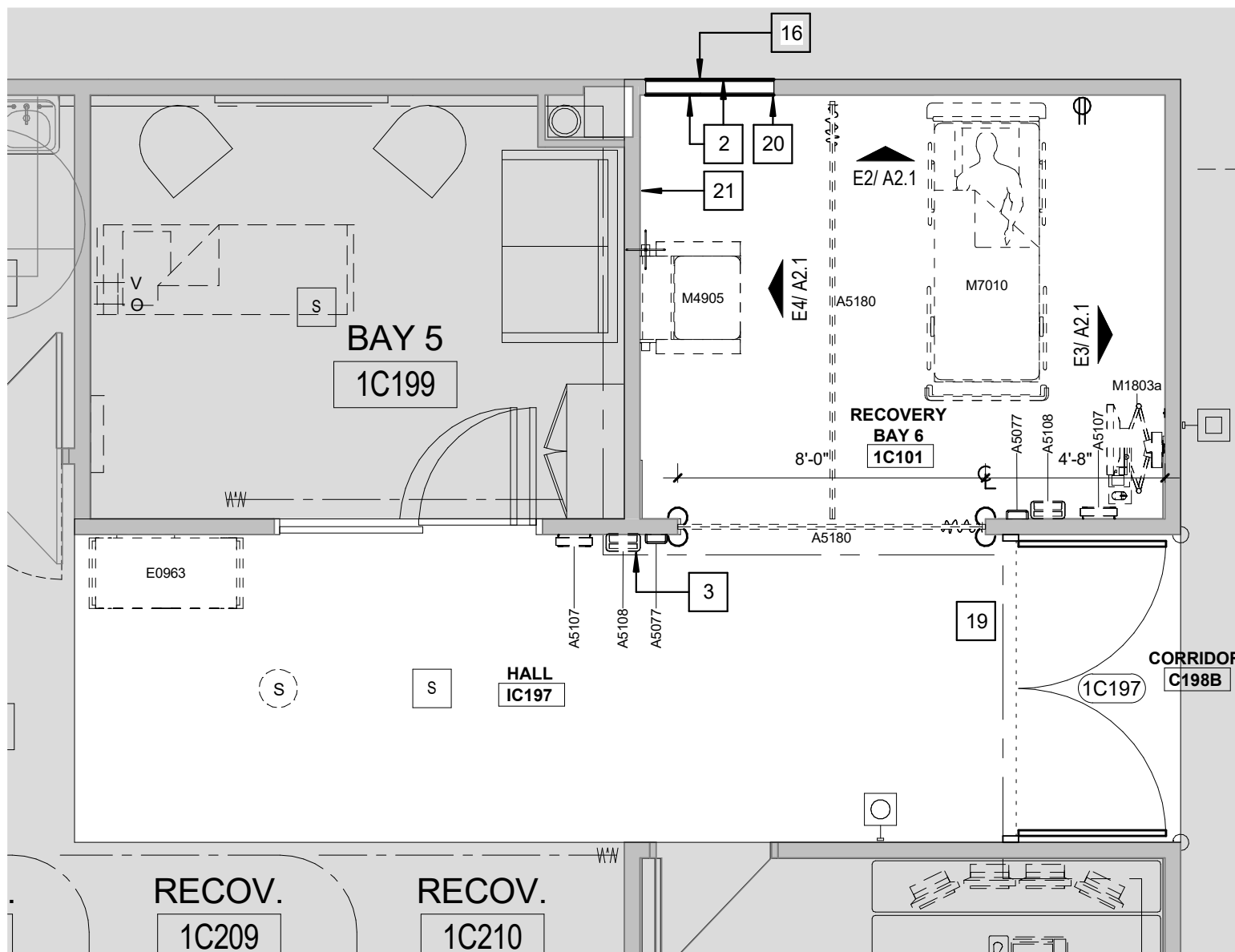
SMOKE TIGHT (NON-COMBUSTIBLE CONSTRUCTION PARTITION)  
DP 1 1/2" = 1'-0"

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 CABINETS
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

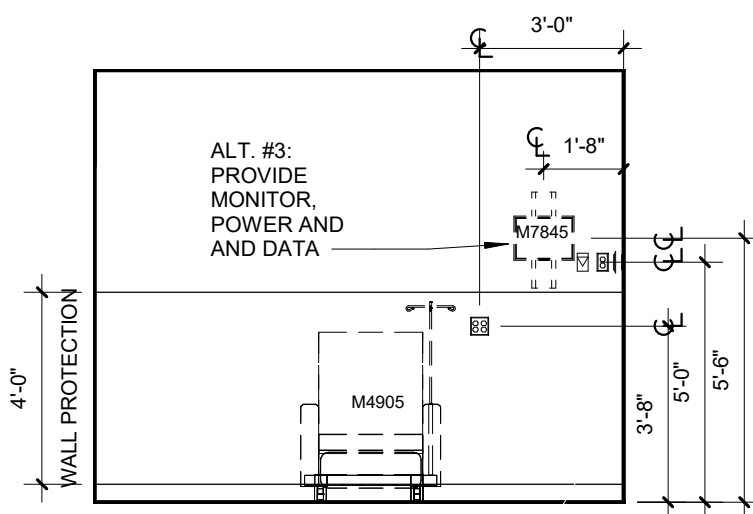




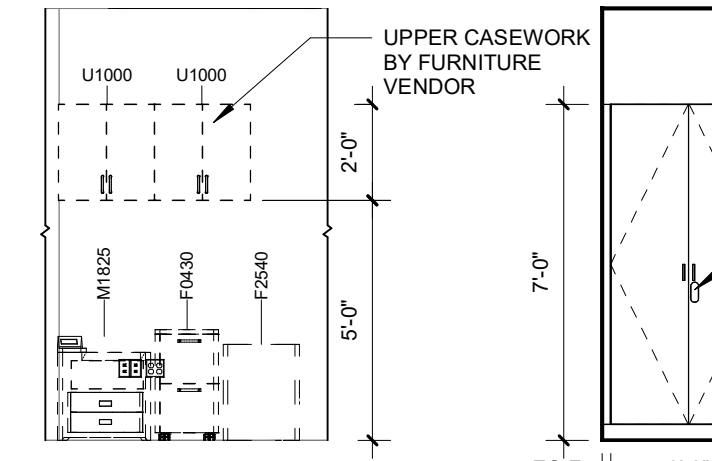
D7 EQUIPMENT LAYOUT  
1/4" = 1'-0"



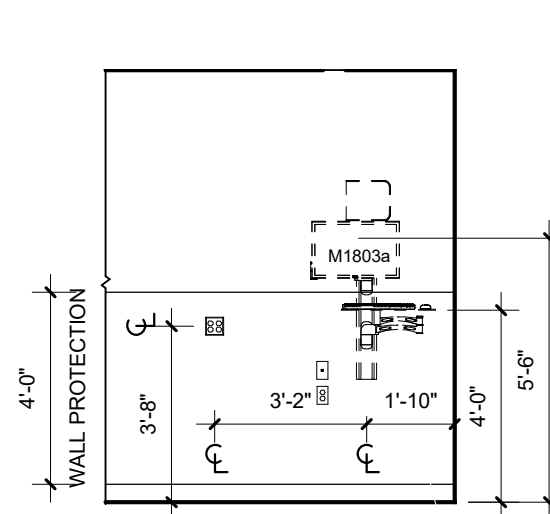
D6 ENLARGED PLAN  
1/4" = 1'-0"



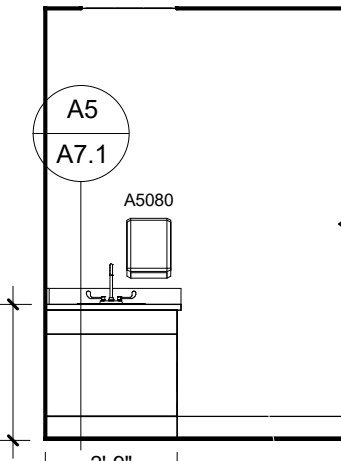
- 1/4" = 1'-0"
- IC101
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS



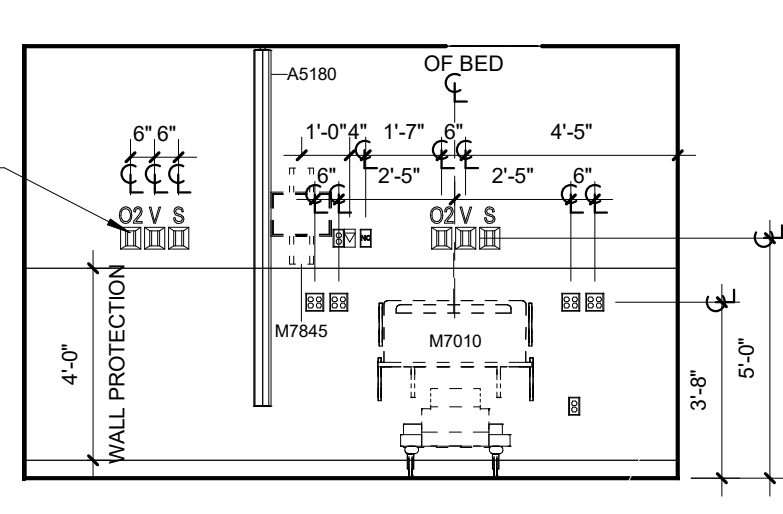
- 1/4" = 1'-0"
- C138
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS



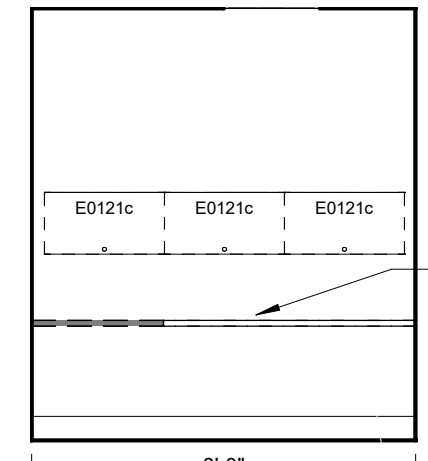
- 1/4" = 1'-0"
- IC101
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS



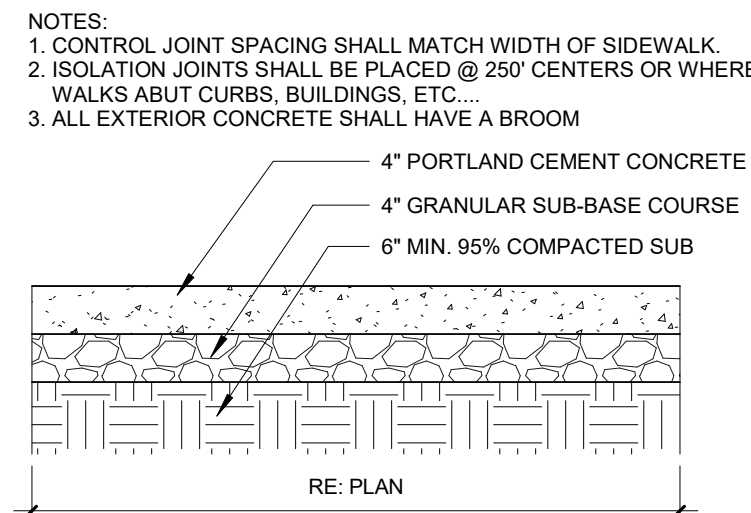
- 1/4" = 1'-0"
- IC130
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS



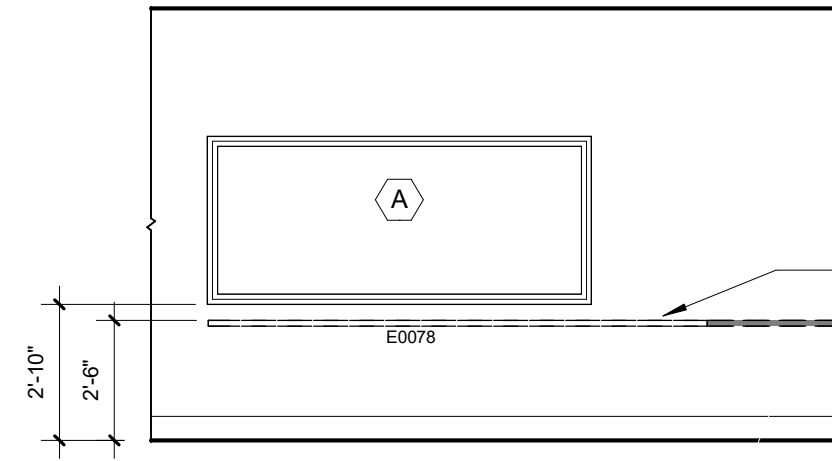
- 1/4" = 1'-0"
- IC101
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS



- 1/4" = 1'-0"
- IC130
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS



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



- 1/4" = 1'-0"
- IC130
  - BASE CABINETS
  - WALL CABINETS
  - COUNTERTOPS
  - SINKS

## FFE SCHEDULE

TYPE	DESCRIPTION	RESPONSIBILITY	COMMENTS
A5075	SOAP DISPENSER	OFCI	EXISTING TO BE RELOCATED
A5077	HAND SANITIZER	OFCI	EXISTING TO BE RELOCATED
A5080	PAPER TOWEL DISPENSER	OFCI	BLOCKING AS REQUIRED
A5107	GLOVE DISPENSER	OFCI	EXISTING TO BE RELOCATED
A5108	SHARPS	OFCI	EXISTING TO BE RELOCATED
A5145	COAT HOOK	OFCI	BLOCKING AS REQUIRED
A5180	CUBICLE CURTAIN	OFCI	BY JAM, BLOCKING AS REQUIRED
E0078	1" WORK STATION	VFVI	BY JAM, BLOCKING AS REQUIRED
E0121c	JAM UPPER FLPPER BIN, 30" W	VFVI	BY JAM, BLOCKING AS REQUIRED
E0130	EXISTING READ DESK	OFVI	EXISTING TO BE RELOCATED
E0131	NEW READ DESK	OFVI	84" WIDE
E0963	EXISTING SHELVING UNIT	OFVI	EXISTING TO BE RELOCATED
F0250	LOUNGE CHAIR	OFVI	EXISTING TO BE RELOCATED
F0300	CHAIR, TASK, SWIVEL, W/ ARMS	OFVI	EXISTING TO BE RELOCATED
F0430	FILE CABINET	OFVI	EXISTING TO BE RELOCATED
F2010	STEP TRASHCAN	OFVI	EXISTING TO BE RELOCATED
F2030	LEAD LINED RECEPTACLE	OFVI	EXISTING TO BE RELOCATED
F2540	SHREDDER	OFVI	EXISTING TO BE RELOCATED
M1801	COMPUTER MONITOR	OFVI	EXISTING TO BE RELOCATED
M1803a	WORKSTATION, WALL MOUNTED	OFVI	EXISTING TO BE RELOCATED
M1825	PRINTER	OFVI	EXISTING TO BE RELOCATED
M4905	RECOVERY CHAIR	OFVI	EXISTING TO BE RELOCATED
M7010	BED, PATIENT, ELECTRIC	OFVI	EXISTING TO BE RELOCATED
M7845	VITALS MONITOR, WALL MOUNTED	OFVI	EXISTING TO BE RELOCATED
R6300	DORM REFRIGERATOR	OFVI	EXISTING TO BE RELOCATED
U1000	UPPER CASEWORK	OFVI	BLOCKING AS REQUIRED

## GENERAL PLAN NOTES

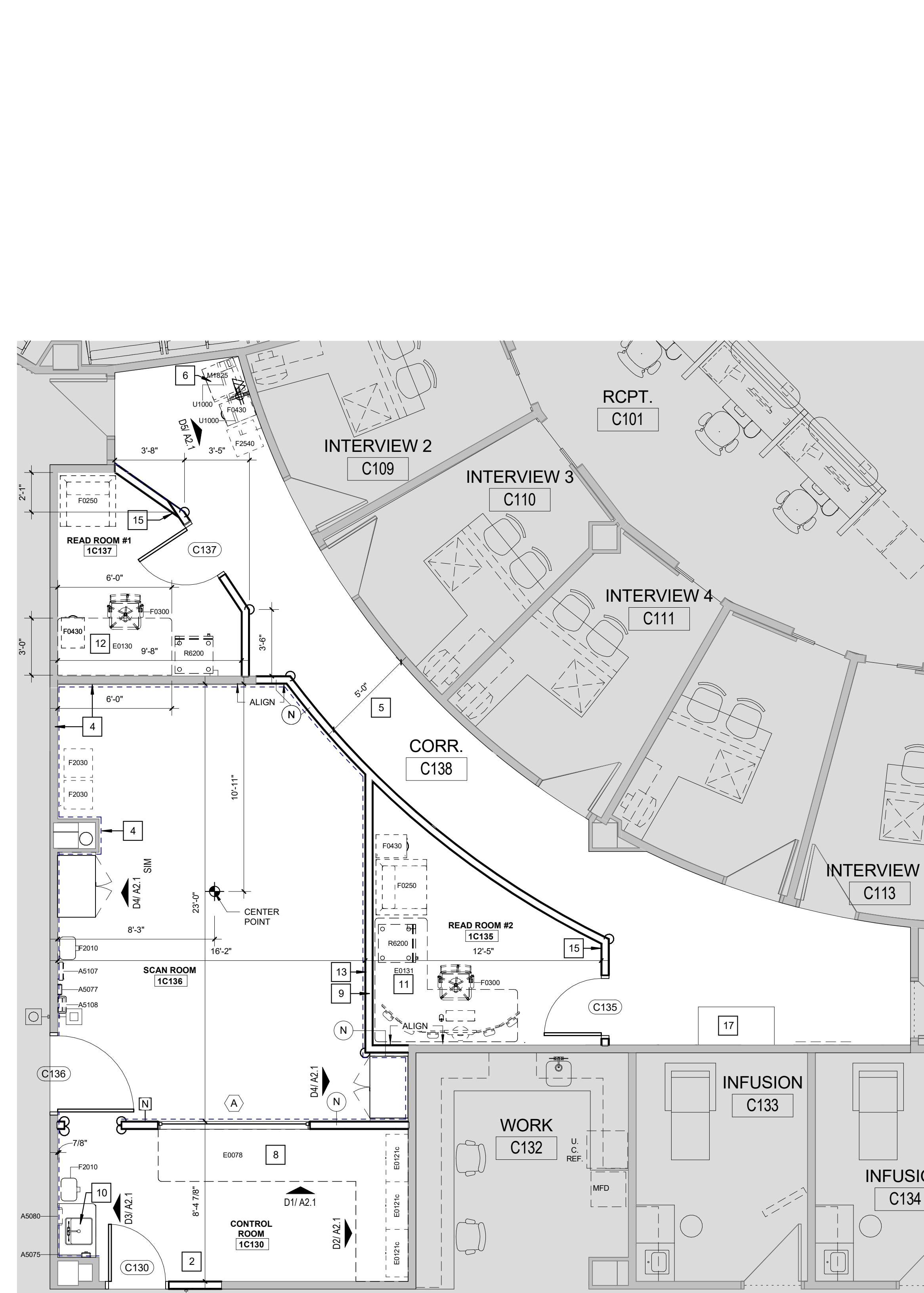
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- IF MATERIAL SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
- 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.
- CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
- 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.
- DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF BUILDINGS WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
- CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
- REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE.
- SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
- SEE DOOR SCHEDULE FOR DOOR SPECIFICATIONS.
- UPON VERIFICATION OF THE EXISTING CONDITIONS, THE CONTRACTOR SHALL DETERMINE AND RECOMMEND THE BEST ACTION TO MINIMIZE THE EXTENT OF REMOVAL WORK FOR INSTALLATION OF NEW WORK.

## FLOOR PLAN LEGEND

	NOT IN SCOPE		4" CONCRETE SIDEWALK
	NEW WALL		EXISTING WALL
	DOOR No.		EXISTING DOOR
	WALL REQUIRING 116" LEAD SHIELDING PER PHYSICIST'S REPORT		

## KEYNOTES - FLOOR PLAN

#	NUMBER	COMMENTS
1	NEW 4" CONCRETE SIDEWALK AND ADA RAMP, COORDINATE SIDEWALK TO AVOID EXISTING DECON TANK	
2	INFILL DEMOPD DOOR OPENING WITH NEW GYP BOARD CONSTRUCTION TO MATCH ADJACENT WALL DEPTH AND FINISHES	
3	RELOCATE EXISTING WALL MOUNTED EQUIPMENT TO NEW LOCATION OUTSIDE ROOM 1C101, COORDINATE PLACEMENT WITH OWNER, PATCH, REPAIR, AND FINISH WALL WHERE EQUIPMENT WAS PREVIOUSLY LOCATED	
4	ALONG NEW WALL 12' FROM EXISTING CORRIDOR WALL	
5	MODIFY EXISTING WALL TO MEET LEAD LINE REQUIREMENTS PER PHYSICIST'S REPORT	
6	RELOCATED EXISTING MFD	
7	SYMBIA PRO SPECTA Q3, REFER TO VENDOR DRAWING	
8	NEW SOLID SURFACE COUNTER, VERIFY WITH OWNER GROMMET LOCATION	
9	INSTALL F.R. BLOCKING FOR LEAD HOOKS AND SLIDE BOARD	
10	NEW SINK AND CASEWORK, REINSTALL WALL MOUNTED FIXTURES, OFCI	
11	EXISTING READ DESK, RELOCATED FROM EXISTING READ ROOM, OFCI	
12	NEW READ DESK	
13	LOCATE SUCTION GANSTER SLIDE AS DIRECTED BY STAFF	
14	PROVIDE SIGNAGE ON DOOR "NO ENTRY WITHOUT STAFF APPROVAL" FACILITIES TO PROVIDE SIGNAGE PROVIDING CONTACT NUMBER	
15	COAT HOOK, LOCATE AS DIRECTED BY STAFF	
16	INSTALL NEW SECTION OF BASE AND HANDRAIL TO MATCH ADJACENT	
17	EXISTING BUILT IN CABINET, PROTECT	
18	PATCH AREA AT NEW FLOOR DUCT, INSTALL NEW VAPOR BARRIER BELOW FLOOR DUCT, TIE INTO EXISTING VAPOR BARRIER, INFILL WITH NEW CONCRETE FLOOR WHERE RECO TO MATCH ADJACENT FLOOR ELEVATION	
19	ALT #1: NEW GYP BOARD WALL AND DOUBLE EGRESS DOOR WITH EXISTING HARDWARE AND NEW PROX. READER, RESTRICTURE WALL TO ENSURE ENTIRE WALL CONSTRUCTION IS STABLE AND TIED INTO ADJACENT CONSTRUCTION	
20	ALT #2: ADDITIONAL SET OF OXYGEN, VACUUM, AND SLIDER	
21	ALT #3: VITAL MONITOR WITH BLOCKING, POWER AND DATA.	



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



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



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  
Number Date Description

A2.1  
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FIRST FLOOR DIMENSION PLAN

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DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR INFORMATION				FRAME INFORMATION		GLAZING (IN)	HARDWARE SET	OPENING DETAIL		REMARKS	REV #
		WIDTH	HEIGHT	NO. OF LEAVES	ELEV.	MATL.	ELEV.			HEAD	JAMB		
1C197	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	CARD READER
C135	READ ROOM #2	3'-0"	7'-0"	1	F	WD	1	HM	--	0 min	Z	A5 A5	OFFICE HARDWARE SET
C136	SCAN ROOM	4'-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
C137	READ ROOM #1	3'-0"	7'-0"	1	F	WD	1	HM	--	0 min	Z	A5 A5	OFFICE HARDWARE SET

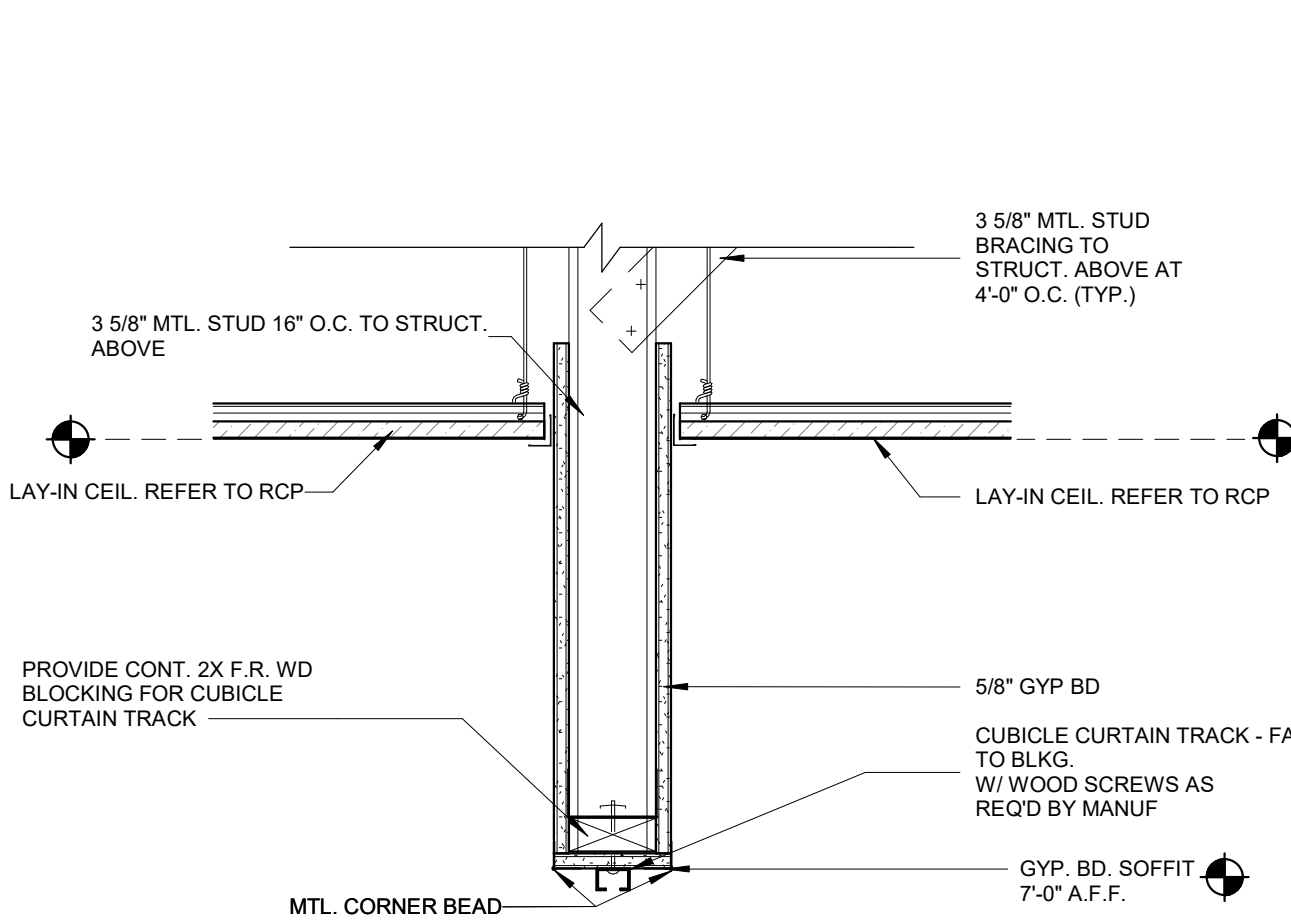
DOOR AND HARDWARE NOTES

- 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. IVES, DIV. ALLEGION DOOR HARDWARE GROUP  
B. HAGER HINGE CO.  
C. STANLEY HARDWARE, DIV. STANLEY WORKS  
CONTINUOUS HINGES:  
A. IVES, 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. IVES, 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. IVES, DIV. ALLEGION DOOR HARDWARE GROUP  
C. HAGER HINGE CO.  
KICK PLATES:  
A. ROCKWOOD MANUFACTURING COMPANY  
B. IVES, 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.

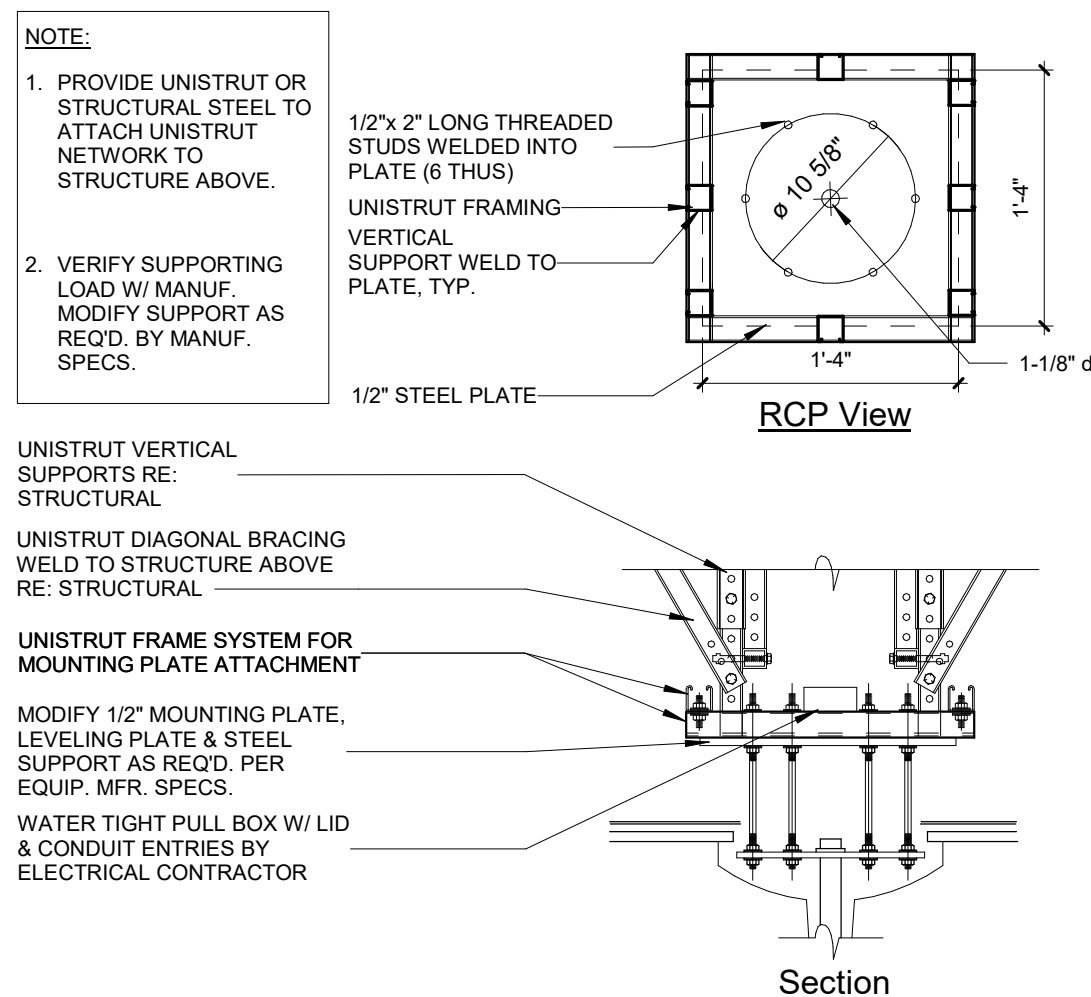
DOOR HARDWARE SETS

HARDWARE SET: 01		DOOR NUMBER: C130	
EACH TO HAVE:		CATALOG NUMBER	FINISH MFR
QTY DESCRIPTION			
1 EA HINGE		58B1HW	652 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 VAC/VDC	630 VON
1 EA OH STOP		90S	630 GLY
1 EA SURFACE CLOSER		4840XP	689 LCN
1 EA KICK PLATE		8408 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 NOTE		CARD ACCESS BY SECURITY	B/O
1 EA NOTE		LOW VOLTAGE POWER BY SECURITY	B/O
1 EA NOTE		WIRING DIAGRAM BY SECURITY	B/O
1 EA NOTE		OPERATION: DOOR NORMALLY CLOSED AND LOCKED. ENTRY VIA VALID CARD READ. ALWAYS FREE FOR EGRESS.	
HARDWARE SET: 02		DOOR NUMBER: C136	
EACH TO HAVE:		CATALOG NUMBER	FINISH MFR
QTY DESCRIPTION			
1 EA PIVOT SET		7215 INT	626 IVE
1 EA INTERMEDIATE PIVOT		7215 INT	626 IVE
1 EA STOREROOM LOCK		L088LD RHO	626 SCH
1 EA CYLINDER		BY OWNER	630 SCH
1 EA ELECTRIC STRIKE		6211 FSE 12/16/24/28 VAC/VDC	630 VON
1 EA AUTO OPERATOR		SV2001	689 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/O
1 EA NOTE		LOW VOLTAGE POWER BY SECURITY	B/O
1 EA NOTE		WIRING DIAGRAM BY SECURITY	B/O
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.	
1 EA NOTE		NOTE: WRAP ELECTRIC STRIKE POCKET WITH LEAD.	
HARDWARE SET: 03		DOOR NUMBER: C135, C137	
EACH TO HAVE:		CATALOG NUMBER	FINISH MFR
QTY DESCRIPTION			
3 EA HINGE		58B1HW	652 IVE
1 EA ENTRANCE LOCK		N08LD RHO	626 SCH
1 EA CYLINDER		BY OWNER	630 SCH
1 EA WALL STOP		W5426/407CCV	630 IVE
1 EA GASKETING		4888BR PSA	BR ZER
HARDWARE SET: 04		DOOR NUMBER: 1C197	
EACH TO HAVE:		CATALOG NUMBER	FINISH MFR
QTY DESCRIPTION			
1 EA ACTUATOR, TOUCHLESS		8310A13	BLK LCN
1 EA NOTE		REMANINDER OF HARDWARE EXISTING	
1 EA NOTE		NOTE: REPLACE EXISTING WALL ACTUATOR ON PUSH SIDE WITH NEW TOUCHLESS ACTUATOR. EXISTING PULL SIDE CARD READER TO REMAIN	

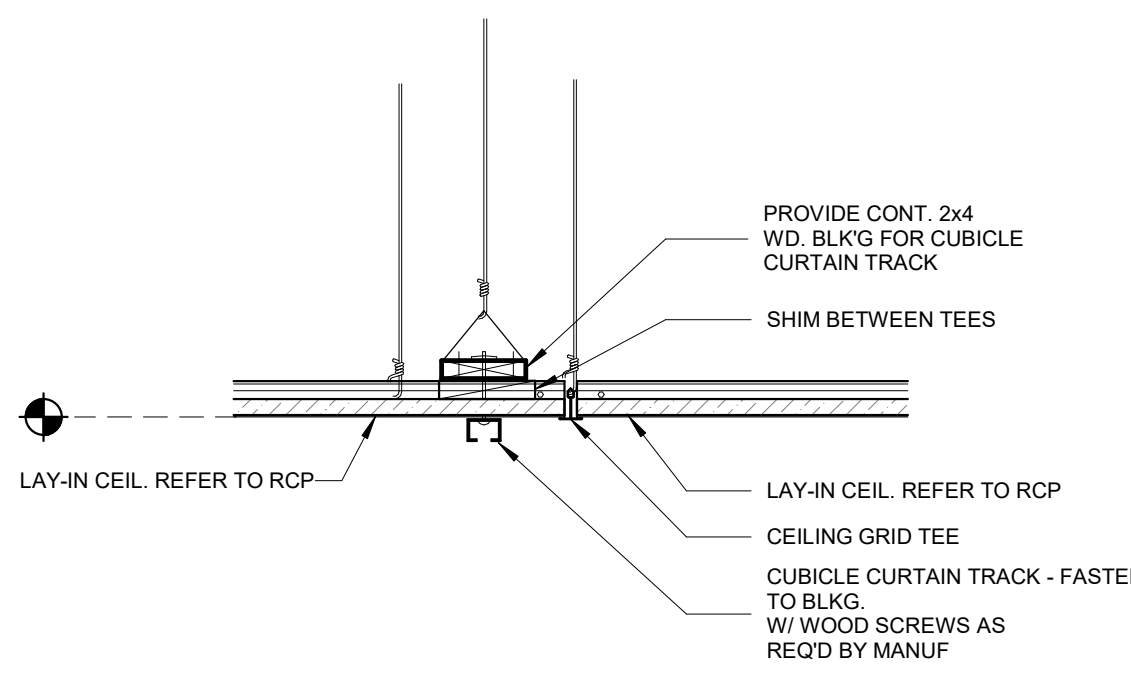
D3 BULKHEAD DETAIL  
1 1/2" = 1'-0"



D2 HOSE REEL SUPPORT  
1\"/>



D1 CUBICLE CURTAIN TRACK DTL.  
1 1/2" = 1'-0"



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\"/>
- ⊗ SUPPLY AIR GRILLE RE: MECH
- ⊠ RETURN AIR OR EXHAUST GRILLE RE: MECH
- 9'-0\"/>

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) ○ (1) VAC (1) ○ (2) ○ ELECT. RE: MEPPF. SUPPORTED WITH NEW UNISTRUT STRUCTURE ABOVE CEILING. RE: DETAIL THIS PAGE

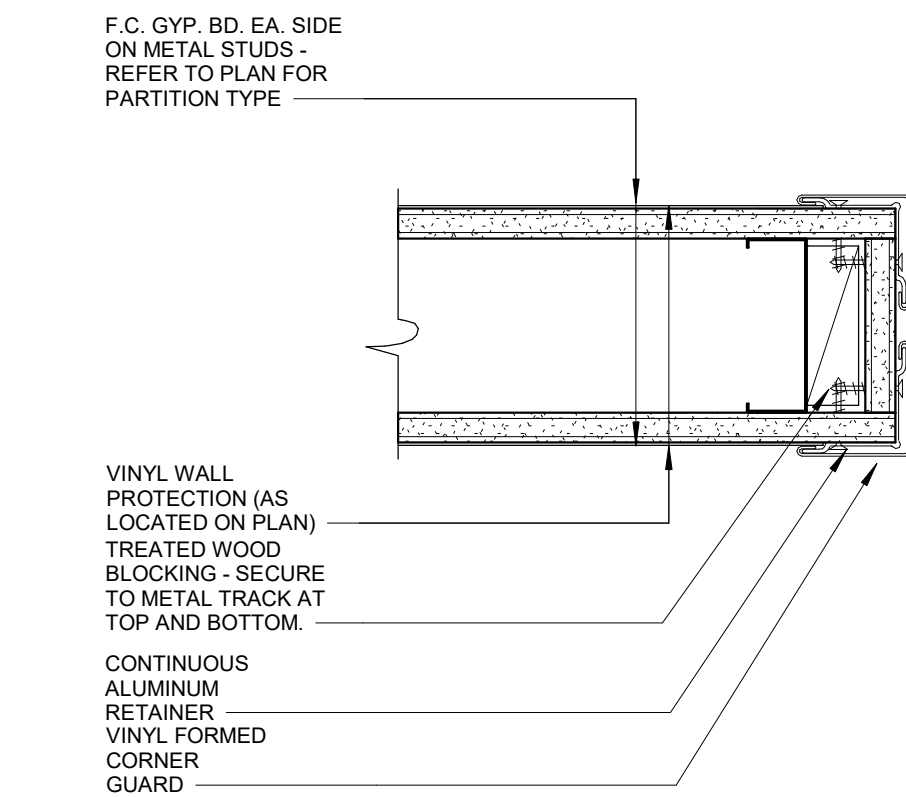
Nuclear Medicine / Spect. CT remodel  
100 NE Saint Luke's Blvd  
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Lee's Summit, MO 64086

Date 4/07/2023  
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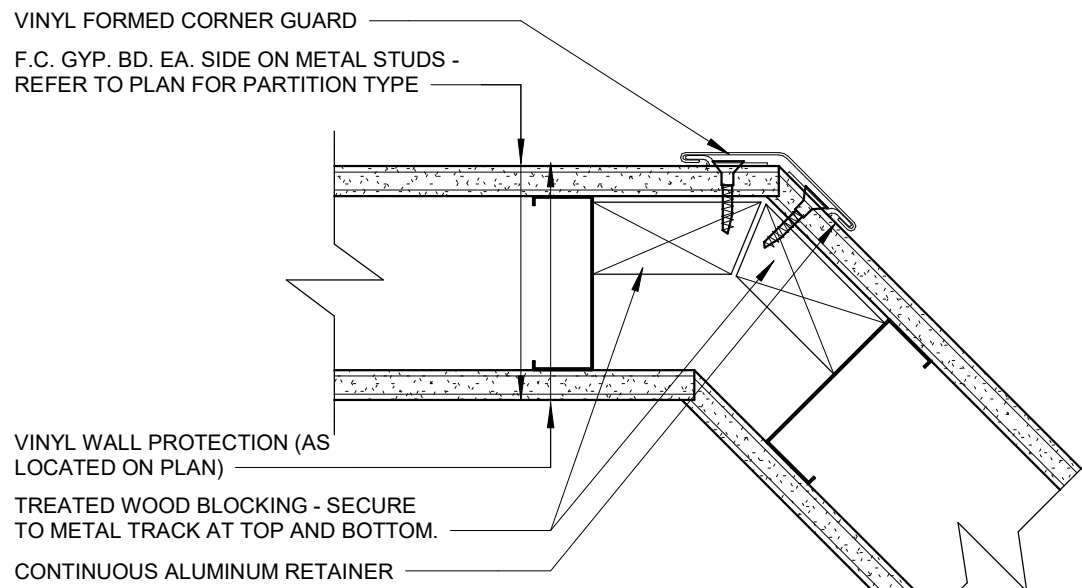
Revision  
Number Date Description

A3.1

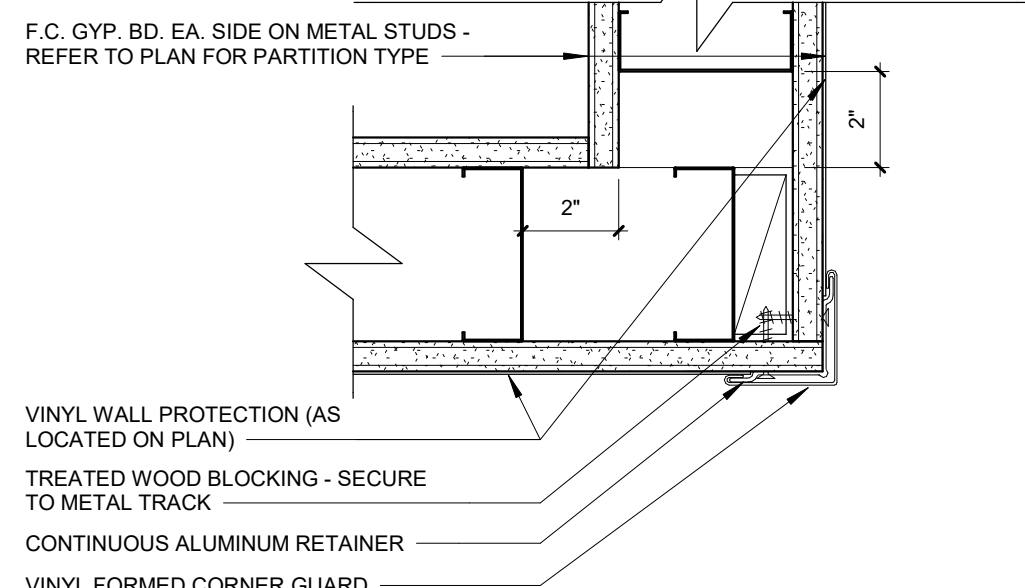
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FIRST FLOOR REFLECTED CEILING  
PLAN AND DOOR SCHEDULE



E6 TYPICAL DOUBLE VINYL CORNER GUARD  
3" = 1'-0"



E5 TYPICAL ANGLED VINYL CORNER GUARD  
3" = 1'-0"



E4 TYPICAL SINGLE VINYL CORNER GUARD1  
3" = 1'-0"

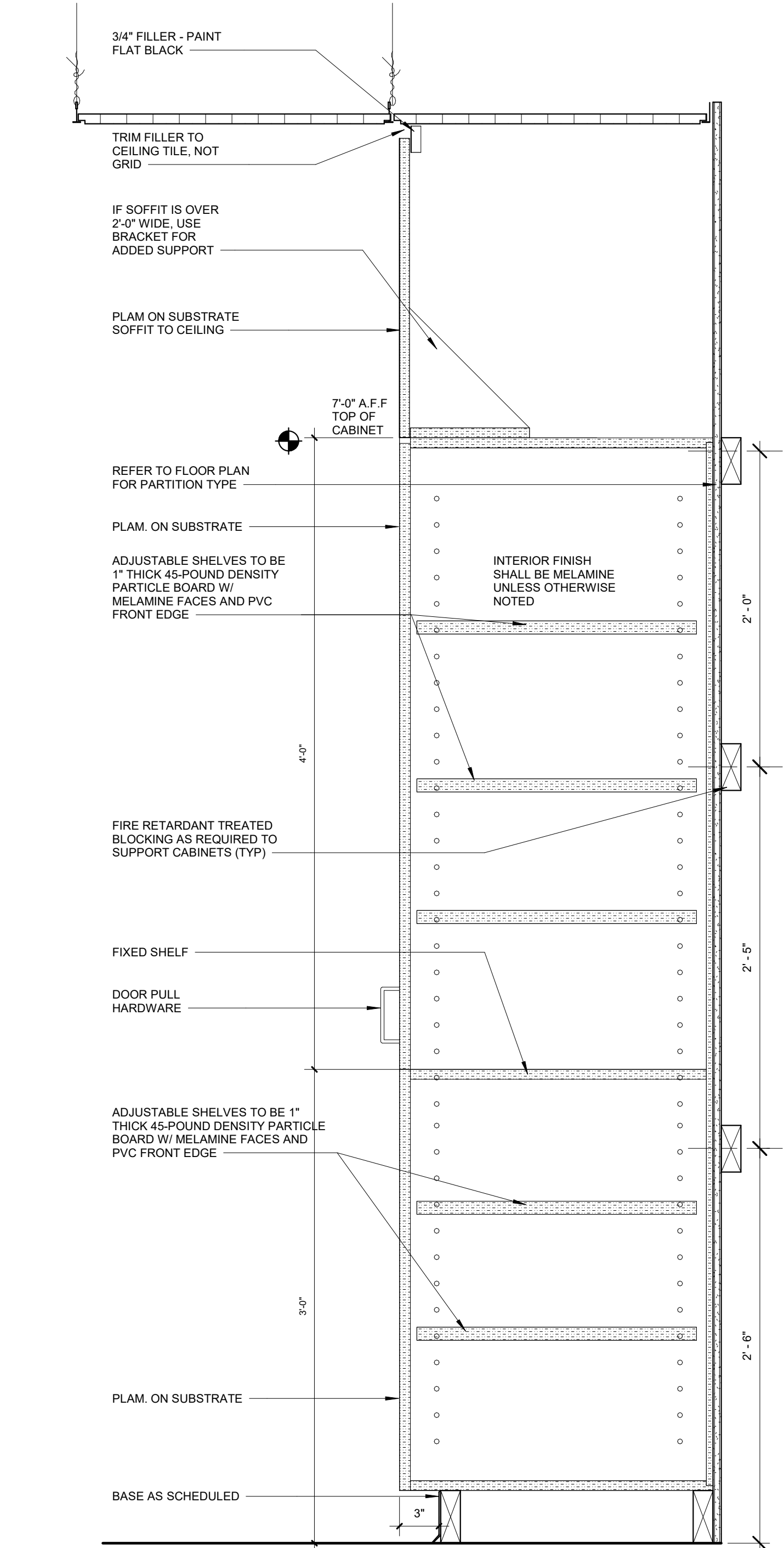
## GENERAL CASEWORK NOTES

- GENERAL CASEWORK NOTES APPLY TO ALL INTERIOR ELEVATIONS.
- PROVIDE 3 MM PVC EDGE BANDING ON COUNTERTOP EDGE AND (5/8 MIN.) VINYL EDGING ON DRAWER AND DOOR EDGES UNLESS NOTED OTHERWISE. EDGE BANDING TO MATCH ADJACENT P. LAM. SURFACE.
- ALL EXPOSED FACES AND SHELVES TO BE WRAPPED WITH P. LAM. UNLESS NOTED OTHERWISE.
- ALL INTERIOR SURFACES TO BE WHITE MELAMINE U.N.O.
- PROVIDE WOOD BLOCKING OR 12" HIGH X 16 GA. CONTINUOUS SHEET METAL BRIDGING IN WALL AS REQUIRED FOR ADEQUATE SUPPORT OF ALL CASEWORK.
- WALL BASE TO BE INSTALLED ON ALL CASEWORK UNLESS NOTED OTHERWISE. REFER TO FINISH SCHEDULE FOR TYPE.
- ALL CASEWORK PULL HANDLES TO BE HAFELE 103.84.004 BRUSHED NICKEL (5") UNLESS NOTED OTHERWISE.
- ALL CASEWORK HINGES TO BE BLUM #737558 CONCEALED 125 DEGREE OPEN UNLESS NOTED OTHERWISE.
- "F" INDICATES FILLER PANEL, 1-1/2" MIN.
- "EP" INDICATES END PANEL, 1-1/2" MIN.
- PROVIDE FINISHED ENDS AT ALL EXPOSED ENDS OF CASEWORK.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING ITEMS SHOWN IN ELEVATION ARE FOR REFERENCE AND LOCATION ONLY. REFER TO MEP DRAWINGS FOR SIZES, TYPES AND QUANTITIES.
- ALL SOFFITS ABOVE CASEWORK TO BE PLAM UNLESS NOTES OTHERWISE.

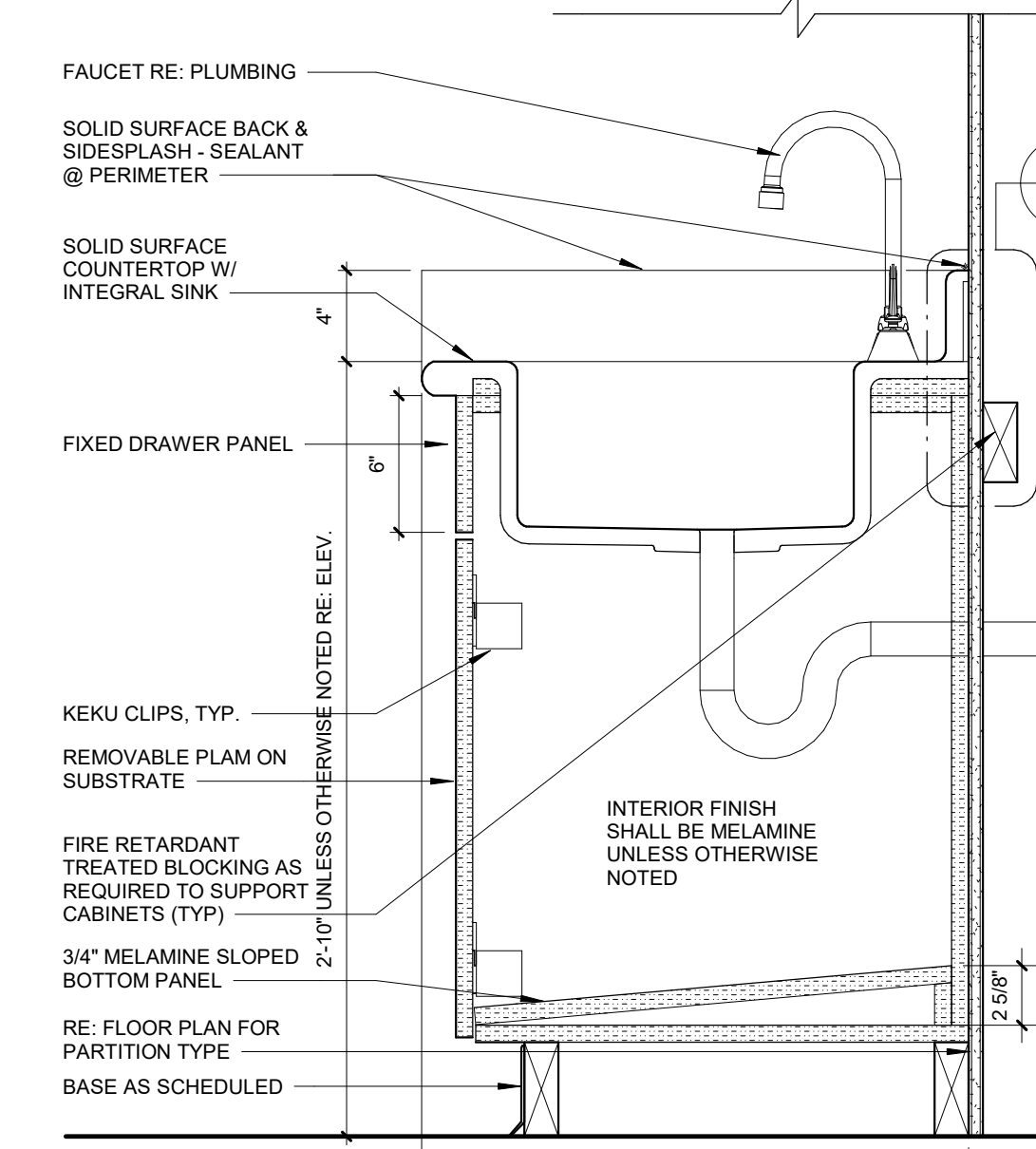
D5 TYP. ELEV. OF WALL PROTECTION/CORNER GUARD1  
1" = 1'-0"

C5 SECTION DETAIL AT SOLID SURFACE BACKSPLASH  
3" = 1'-0"

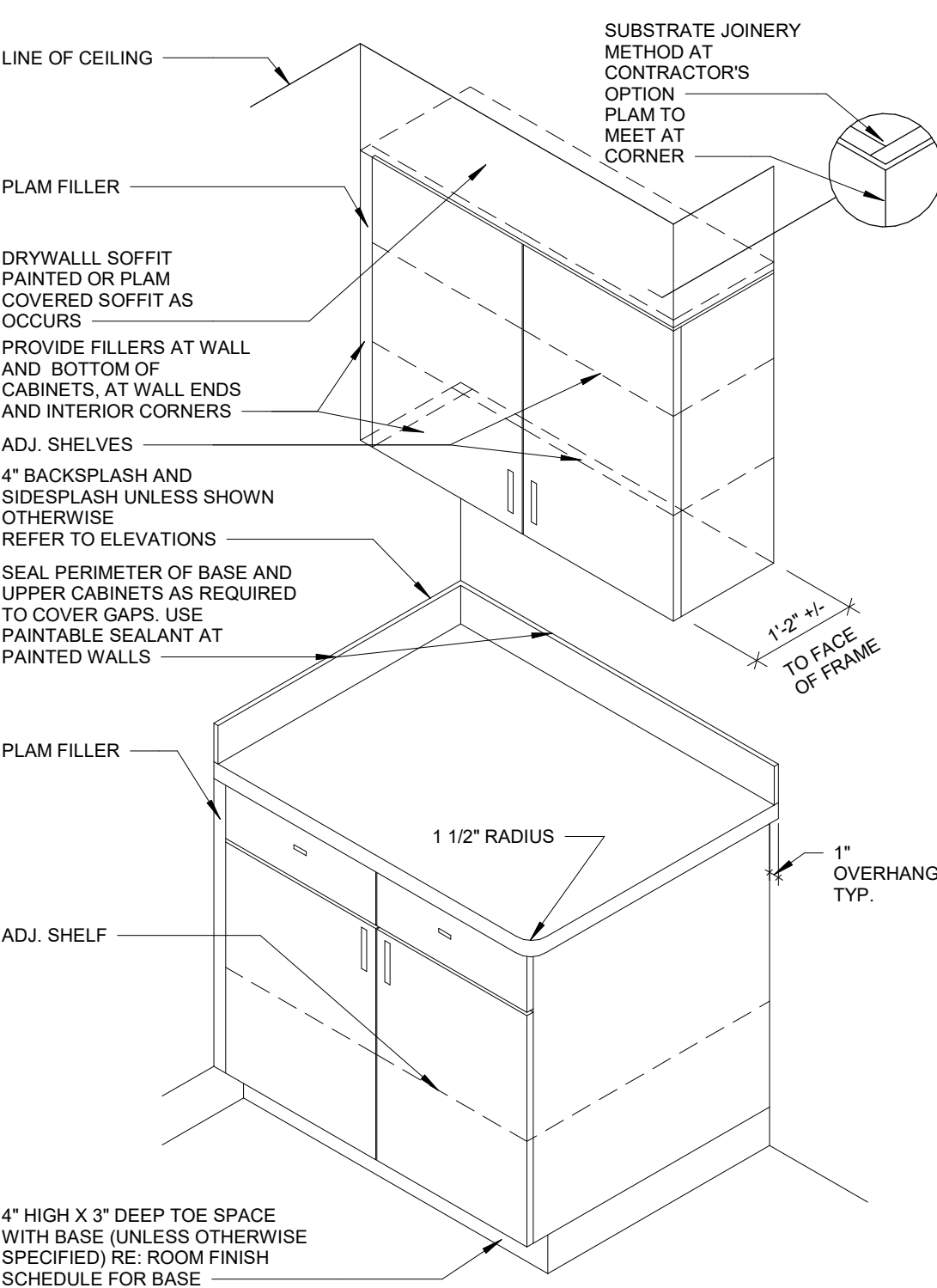
C4 TRANSITION STRIP DETAILS  
6" = 1'-0"



A6 DETAIL AT FULL HEIGHT CABINET  
1 1/2" = 1'-0"

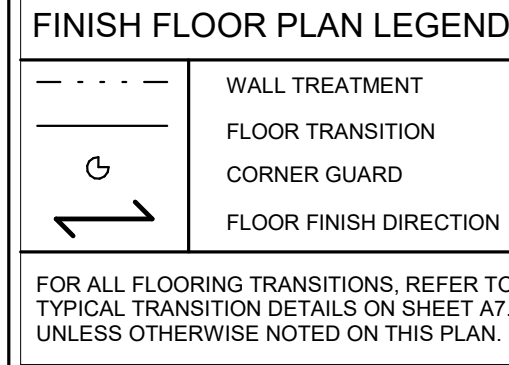


A5 SINK BASE CABINET SECTION  
1 1/2" = 1'-0"



- TYP. CABINET NOTES:**
- PROVIDE PLAM FILLER WHERE CABINETS BUTT UP TO WALLS.
  - ALL COUNTERTOPS HAVE A 4" BACKSPLASH (MATERIAL TO MATCH COUNTERTOP) AND OUTSIDE CORNERS HAVE 1 1/2" RADIUS EXCEPT WHERE NOTED OTHERWISE.
  - CASEWORK MFR. TO SUPPLY (2) - 2" (GROMMETS PER KNEESPACE GROMMETS TO BE INSTALLED IN FIELD AS DIRECTED BY OWNER. COLOR TO BE SELECTED BY ARCHITECT.
  - PLASTIC LAMINATE COUNTERTOP EDGES SHALL BE 3 MM PLASTIC. COLOR AS SELECTED BY ARCHITECT.)

A4 CASEWORK ISOMETRIC  
1 1/2" = 1'-0"

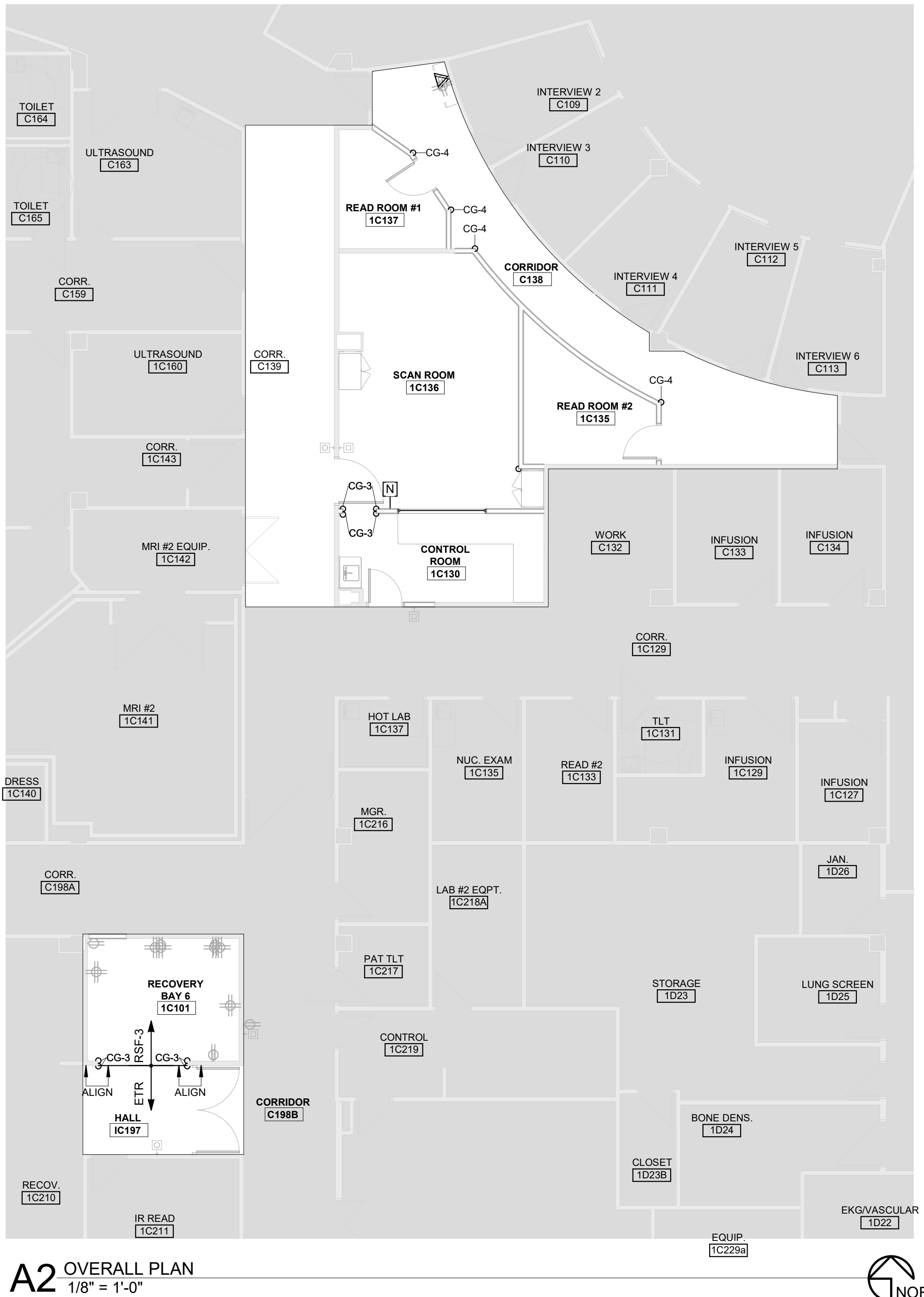


MARK	ITEM	MANUFACTURER	MODEL/ PATTERN	COLOR	SIZE	REMARKS	REVISION #
FLOOR							
LVT-1	LUXURY VINYL TILE	MANNINGTON	AMTICO WOOD	REGENCY WALNUT AROW 8200	4-1/2" x 36"	STRAIGHT EDGE ONLY. RANDOM OFFSET INSTALLATION	
RSF-1	RESILIENT SHEET FLOORING	MOHAWK	MEDIELLA HUES	H5311 - NATURAL WHITE	6" ROLL	HOMOGENEOUS FLOORING. MATCHING WELD ROD	
RSF-3	RESILIENT SHEET FLOORING	SHAW CONTRACT	NATURALIFE WOOD II 0802V	VINTAGE HICKORY 99035	6" ROLL	HETEROGENEOUS FLOORING. MATCHING WELD ROD	
BASE							
IB-1	INTEGRAL BASE	MOHAWK	MEDIELLA HUES	H5311 - NATURAL WHITE	6" COVE	J MOLD SCHLUTER STRIP AT THE TOP. TO BE USED WITH RSF-1	
RB-1	RUBBER BASE	ROPPE	PINNACLE PLUS. PROVILE #65	#129 DOLPHIN	4.5/8"		
RB-2	RUBBER BASE	ROPPE	PINNACLE PLUS	#129 DOLPHIN	4" COVE		
WALL							
CG-1	CORNER GUARDS	C/S ACRYVYN	SM-20MN-ACRYVYN-4000	#933 MISSION WHITE	3"	90 DEGREE. ABOVE BASE TO 48" AFF	
CG-3	CORNER GUARDS	C/S ACRYVYN	SM-25MN-ACRYVYN-4000	#933 MISSION WHITE	2"	END WALL. ABOVE BASE TO CEILING / INCLUDE ALL TRIM AND ACCESSORIES PIECES	
CG-4	CORNER GUARDS	C/S ACRYVYN	SM-20MN-ACRYVYN-4000	#933 MISSION WHITE	3" X 3"	SURFACE. 135 DEGREE. ABOVE BASE TO CEILING / INCLUDE ALL TRIM AND ACCESSORIES PIECES	
PT-1	PAINT	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 7008 ALABASTER	-	FIELD PAINT	
PT-1A	EPOXY FINISH	SHERWIN WILLIAMS	EPOXY FINISH	SW 7008 ALABASTER	-	FIELD PAINT	
PT-2	PAINT	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 7641 COLONNADE GRAY	-	ACCENT PAINT	
WP-2	WALL PROTECTION	C/S ACRYVYN	ACRYVYN 4000	#933 MISSION WHITE	-		
CASEWORK							
IS-1	INTEGRAL SINK	CORIAN	REF. SPEC.	BONE	30" X 144"; 36" 144" SHEET		
PLAM-1	PLASTIC LAMINATE	WILSONART	#7956K-12	WALNUT HEIGHTS	-	CUSTOM 3MM PVC DOELLEN WALNUT HEIGHTS 8707E5. RUN VERTICALLY	
SSF-1	SOLID SURFACE	CORIAN	-	CLAM SHELL	1/2", 30" X 144" SHEET, 36" X 144" SHEET	CUSTOM 3MM PVC DOELLEN NEUTRAL WEFT 6451	
CEILING							
ACT-1	ACOUSTIC CEILING TILE	USG	RADAR CLIMA PLUS #2210	WHITE	2'x2'	SQUARE EDGE. DOWN DX TEE 15/16" GRID SYSTEM	
ACT-2	ACOUSTIC CEILING TILE	USG	CLEAN ROOM CLIMA PLUS CLASS 100 #66099 (UNPERFORATED)	WHITE	2'x2'	VINYL FACED W/ SQUARE EDGE. DOWN CE 15/16" GASKETED TEE GRID SYSTEM	
MISC.							
ETR	EXISTING TO REMAIN	-	-	-	-	-	
P/M	PATCH TO MATCH	-	-	-	-	-	
TRS-1	TRANSITION STRIP	SCHLUTER	SCHIENE	CLEAR SATIN ANODIZED ALUMINUM	-	-	

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH	EAST	SOUTH	WEST	BASE CABINETS	WALL CABINETS	CASEWORK	COUNTERTOPS	SINKS	CEILING	NOTES	REVISION #
1C101	RECOVERY BAY 6	RSF-3	RB-1	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	PT-1A / WP-2	-	-	-	-	-	ETR / ACT-2		
1C130	CONTROL ROOM	RSF-1	IB-1	PT-1	PT-1	PT-1	PT-1	PLAM-1	---	SSF-1	IS-1	ACT-1		NEW SINK AND CASEWORK	
1C135	READ ROOM #2	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1			
1C136	SCAN ROOM	RSF-1	IB-1	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PT-1 / WP-2	PLAM-1	-	-	-	-	ACT-1		
1C137	READ ROOM #1	LVT-1	RB-2	PT-1	PT-1	PT-1	PT-1	-	-	-	-	ACT-1			
1C138	CORRIDOR	MATCH	MATCH	P/M	P/M	P/M	P/M	-	-	-	-	ETR / P/M		REPLACE ANY DAMAGED CEILING TILES	
1C188B	CORRIDOR	MATCH	MATCH	P/M	ETR	P/M	P/M	-	-	-	-	ETR / P/M		REPLACE ANY DAMAGED CEILING TILES	
1C187	HALL	MATCH	MATCH	P/M	P/M	ETR	ETR	-	-	-	-	ETR / P/M		REPLACE ANY DAMAGED CEILING TILES	

## 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 SSF-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 MAINTAINED 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 MANUFACTURER'S RECOMMENDATIONS
- R ALL MATERIAL TO COMPLY WITH FLAME SPREAD CLASSIFICATION EITHER CLASS (1) ONE OR CLASS A DEPENDING ON GOVERNING CODE IN EFFECT
- S SMOKE DEVELOPMENT RATING < 450 FOR ALL FINISHES



A2 OVERALL PLAN  
1/8" = 1'-0"

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  
Number Date Description

4/6/2023 5:05:58 PM

BNV 380-1/23001777-00 - SLH East-Lees Summit- MO-Nuc Med Replace\MEP21\_23001777-00\_S LH EastLees Summit- 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/SWING 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 (UNTREADED) 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 (895-317N2FCXKABCF)

## MEDICAL GAS MATERIAL LIST

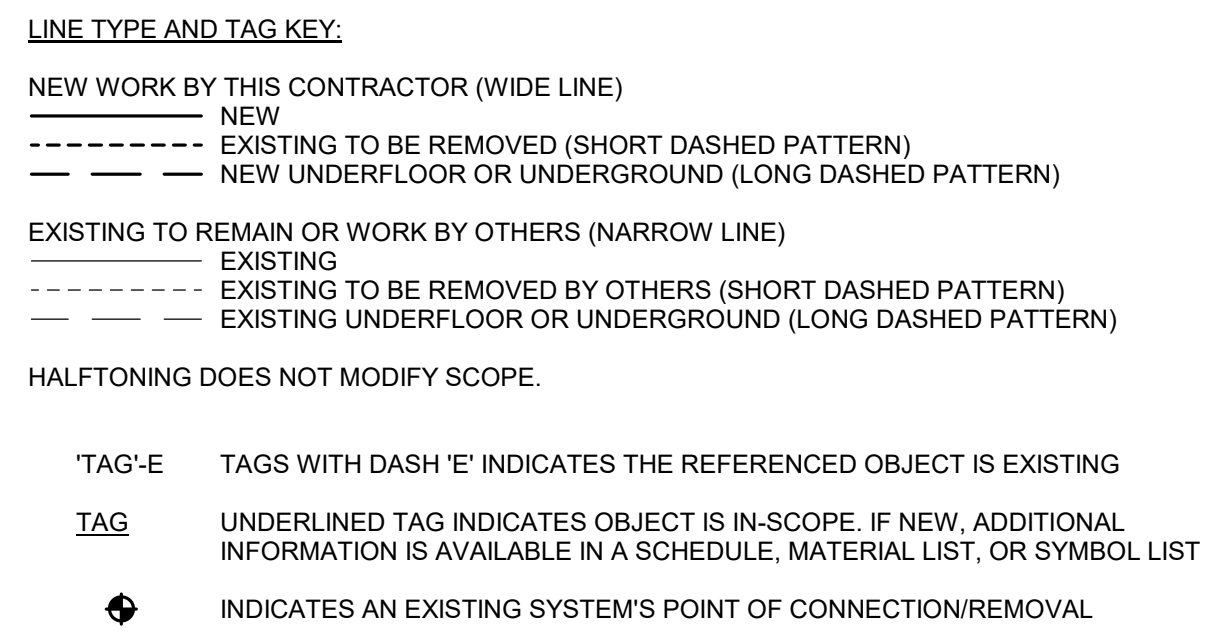
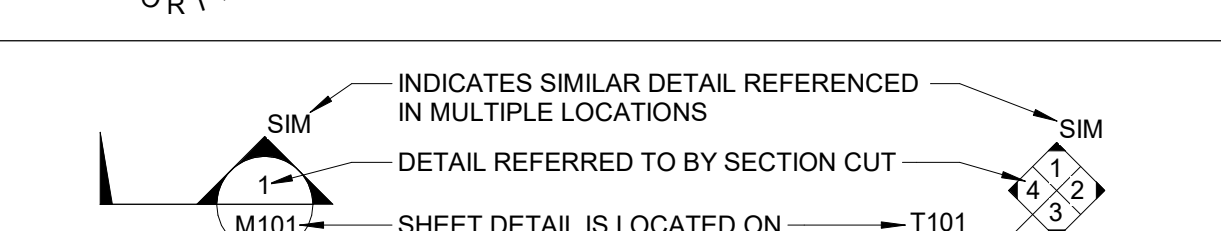
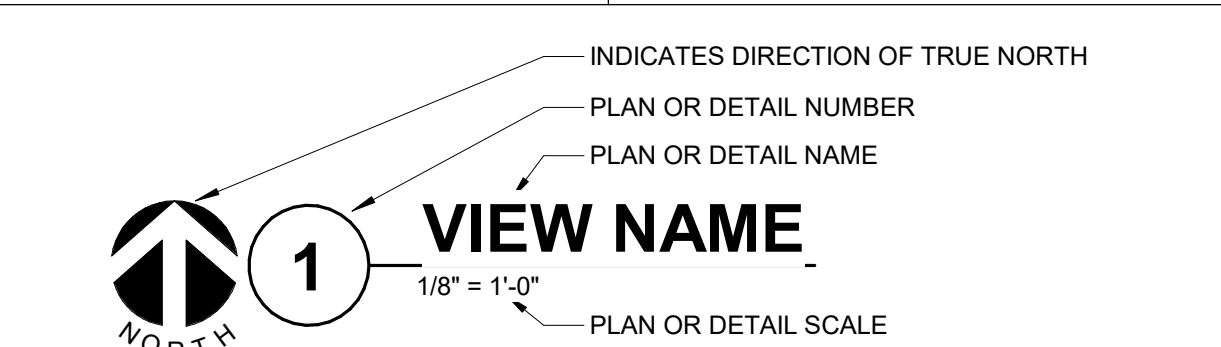
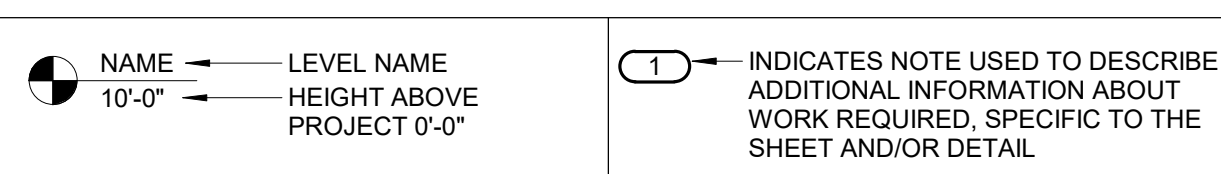
TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
HD-1	HOSE DROP ASSEMBLY WITH RETRACTORS, OUTLETS AND HOSES SHALL BE COLOR CODED FOR PROPER GAS SERVICE. HOSES FOR MEDICAL VACUUM SHALL HAVE MINIMUM I.D. OF 5/16". CONTRACTOR SHALL VERIFY CEILING HEIGHT AND SELECT HOSES SUCH THAT BOTTOM OF HOSE ASSEMBLY TERMINATES 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 AND FINISH 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 FINISH 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:
CW	COLD WATER - POTABLE
HW	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	
FD	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	
GPM	BALANCING VALVE (NUMBER INDICATES GPM)
VALVE BOX	
MGO	MEDICAL GAS OUTLET (MGO)
ALARM PANEL	
HEADWALL	
AIR	SINGLE GAS OUTLET (AIR)
OXYGEN	SINGLE GAS OUTLET (OXYGEN)
VACUUM	SINGLE GAS OUTLET (VACUUM)
NITROGEN PRESSURE CONTROL CABINET	
PRESSURE TRANSDUCER WITH ALARM WIRING	

## 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
IE	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:	52-1/2" @ 1/4" PER FOOT 23" @ 1/8" PER FOOT 28" @ 1/16" PER FOOT 1/4" PER FOOT 1/8" PER FOOT
GREASE WASTE: STORM (GRAVITY): CONDENSATE AND INDIRECT DRAINAGE: SANITARY AND GREASE VENT: DOMESTIC WATER:	1/8" PER FOOT NO SPECIFIC PITCH, PITCH TO FIXTURES 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 PROVIDING A COMPLETE DESCRIPTION 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 PROVIDING A COMPLETE DESCRIPTION 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 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.
- CAULK 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 PULL 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.

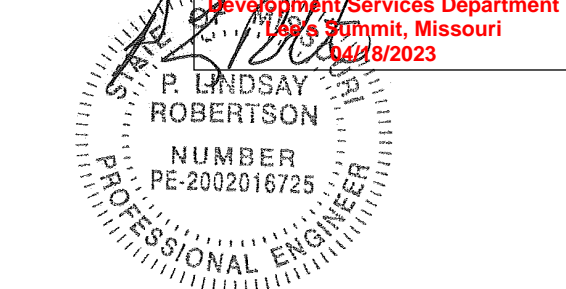
## MECHANICAL RENOVATION NOTES:

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. 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 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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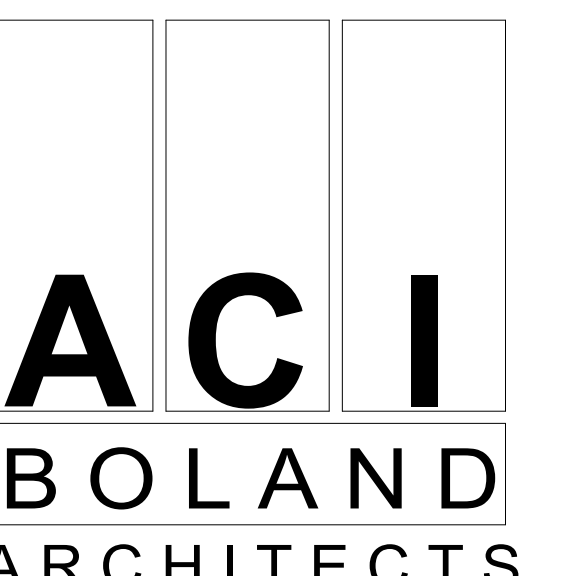
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P. Lindsay Robertson - RPE

2002016725

04/07/2023



ACI/Boland, Inc.

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Missouri: #000958

## MEP ENGINEER

1600 Baltimore, Suite 300

Kansas City, MO 64108

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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

Revision		
Number	Date	Description



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P000

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PLUMBING + MEDICAL GAS

COVERSHEET

BNV 360/123001777.00 - SLH East Lees Summit- MO-Nuc Med Replace/MEP21\_23001777.00\_SLH East Lees Summit- MO-Nuc Med Replace\_C.rvt

4/6/2023 5:06:04 PM



1

# FIRST FLOOR FLOOR DEMOLITION PLAN - PLUMBING

1/4" = 1'-0"

1600 BALTIMORE  
SUITE 300  
KANSAS CITY, MO 64108  
P: 816.842.8437

www.imegcorp.com

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PROJECT #23001777.00

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

Revision  
Number Date Description

P101  
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FIRST FLOOR FLOOR DEMOLITION  
PLAN - PLUMBING

## MEP ENGINEER

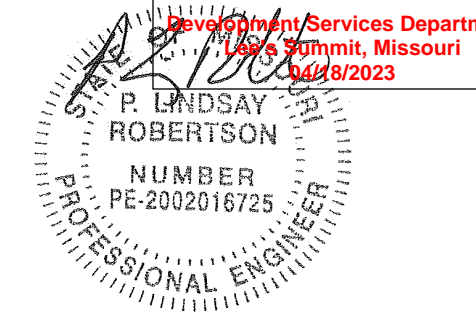
1600 Baltimore, Suite 300  
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Licensee's Certificate of Authority Number:

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Missouri: #000958

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ACI  
BOLAND  
ARCHITECTS

P. Lindsay Robertson - RPE  
2002016725 04/07/2023



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

**KEYNOTES:** C #  
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.

BNV 360/123001777.00 - SLH East-Lees Summit- MO-Nuc Med Replace/MEP21\_23001777.00\_SLH East-Lees Summit- MO-Nuc Med Replace\_C.rvt

4/6/2023 5:06:08 PM

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

**IMEG** 1600 BALTIMORE  
SUITE 300 KANSAS CITY, MO 64108  
P: 816.842.8437  
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PROJECT #23001777.00  
REF. SCALE IN INCHES

**KEYNOTES: C #**  
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.

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

**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

Revision  
Number Date Description

**P111**  
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FIRST FLOOR FLOOR DEMOLITION - MEDICAL GAS

**MEP ENGINEER**

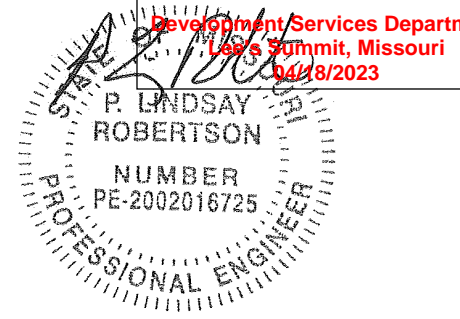
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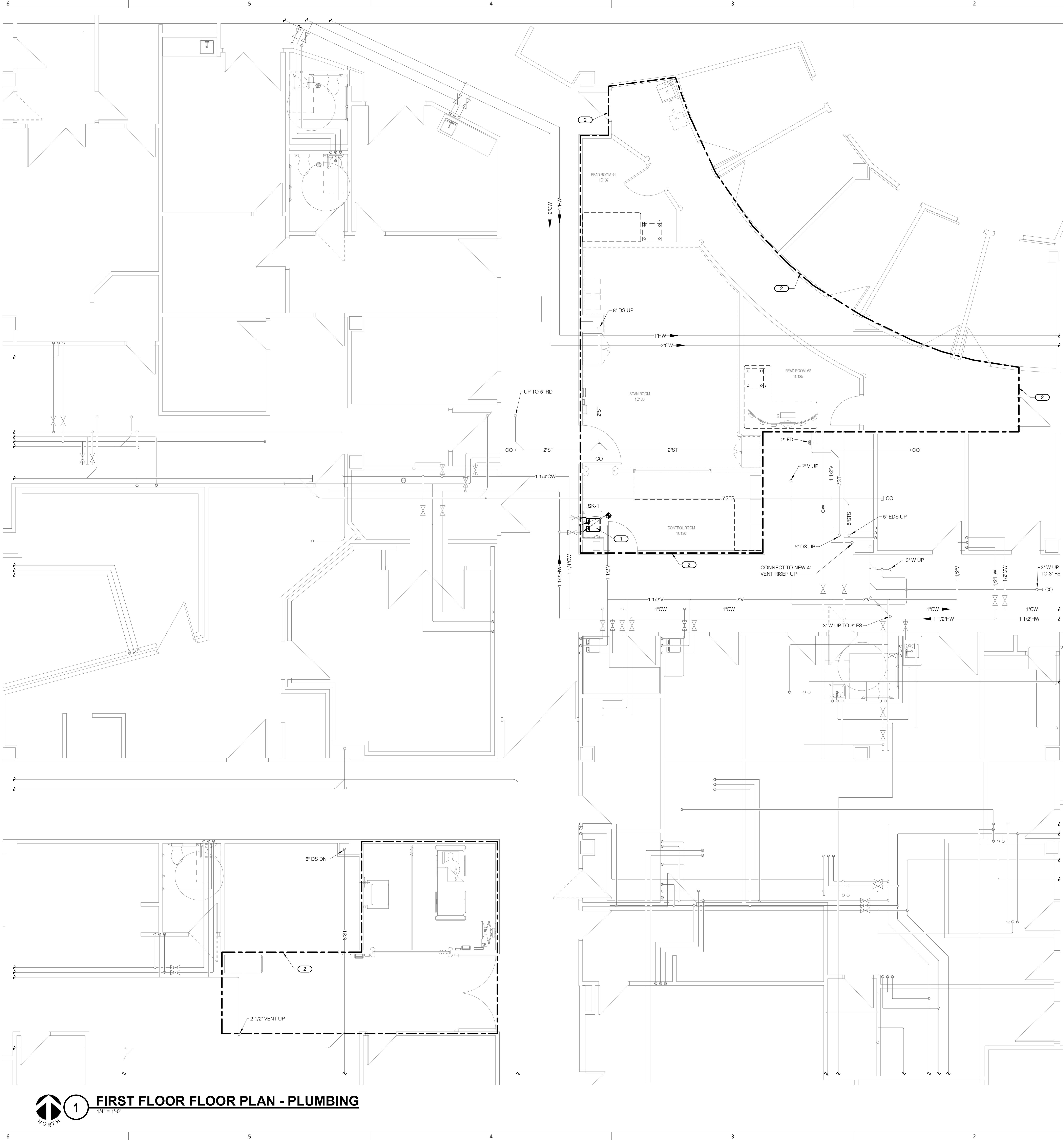
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2002016725 04/07/2023



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1

## FIRST FLOOR FLOOR PLAN - PLUMBING

1/4" = 1'-0"

**SHEET NOTES:**

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

**KEYNOTES:** C #

1. RECONNECT EXISTING CW, HW, V, & SAN TO NEW SINK.
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 SPRINKLER SHALL BE CONCEALED TYPE.

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

Revision  
Number Date Description

P201  
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FIRST FLOOR FLOOR PLAN -  
PLUMBING

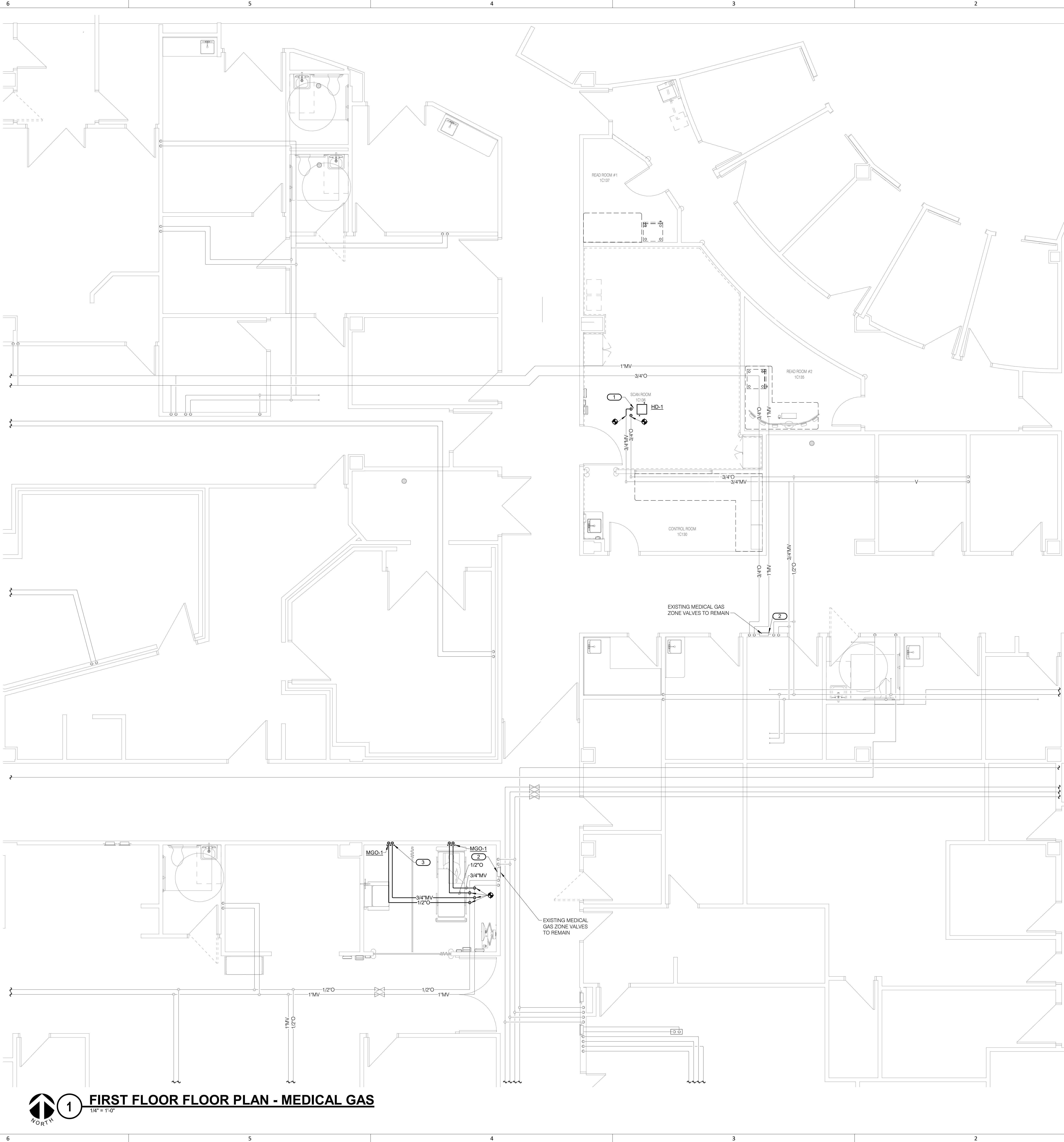
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P. LINDSAY ROBERTSON  
NUMBER  
FE-2002016725  
PROFESSIONAL ENGINEER  
P. Lindsay Robertson - RPE  
2002016725 04/07/2023

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1


# FIRST FLOOR FLOOR PLAN - MEDICAL GAS

1/4" = 1'-0"



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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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100 NE Saint Luke's Blvd  
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Date	04/07/2023
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Checked By	MJL

Revision		
Number	Date	Description

P211  
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FIRST FLOOR FLOOR PLAN - MEDICAL GAS



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2002016725  
04/07/2023



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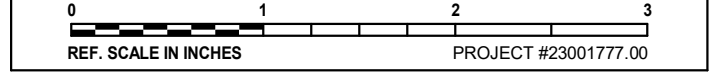
**FIRST FLOOR FLOOR DEMOLITION PLAN - PIPING**

1/4" = 1'-0"



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REF. SCALE IN INCHES PROJECT #23001777.00

- SHEET NOTES:**
1. REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
  2. 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: (C #)**
1. CUT 3/4" HWS AND HWR AND REMOVE PIPING TO TERMINAL AIR BOX THAT IS BEING REMOVED, INCLUDING HOT WATER CONTROL VALVE AND PIPING ACCESSORIES. PROTECT REMAINING PIPING FOR NEW CONNECTIONS.
  2. DISCONNECT AND REMOVE THERMOSTAT ASSOCIATED WITH TERMINAL AIR BOX (OR BOX CONTROL(S) BEING REMOVED. REMOVE ANY CONTROL WIRING THAT CANNOT BE RE-USED.
  3. 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.

**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

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FIRST FLOOR FLOOR DEMOLITION  
PLAN - PIPING & CONTROLS

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# FIRST FLOOR FLOOR PLAN - PIPING & CONTROLS

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PROJECT #23001777.00

**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-52 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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Saint Luke's East  
Lee's Summit, MO 64086

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Checked By MJL

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FIRST FLOOR FLOOR PLAN - PIPING & CONTROLS

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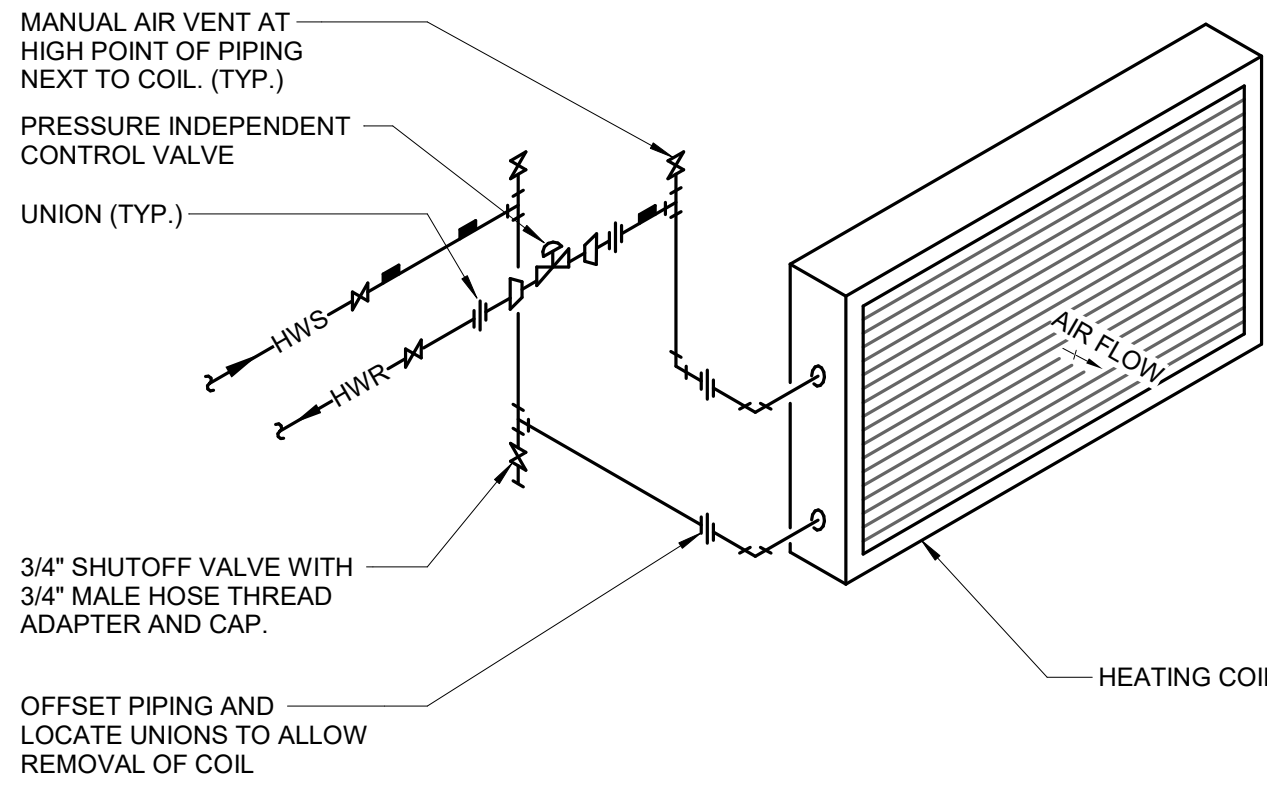
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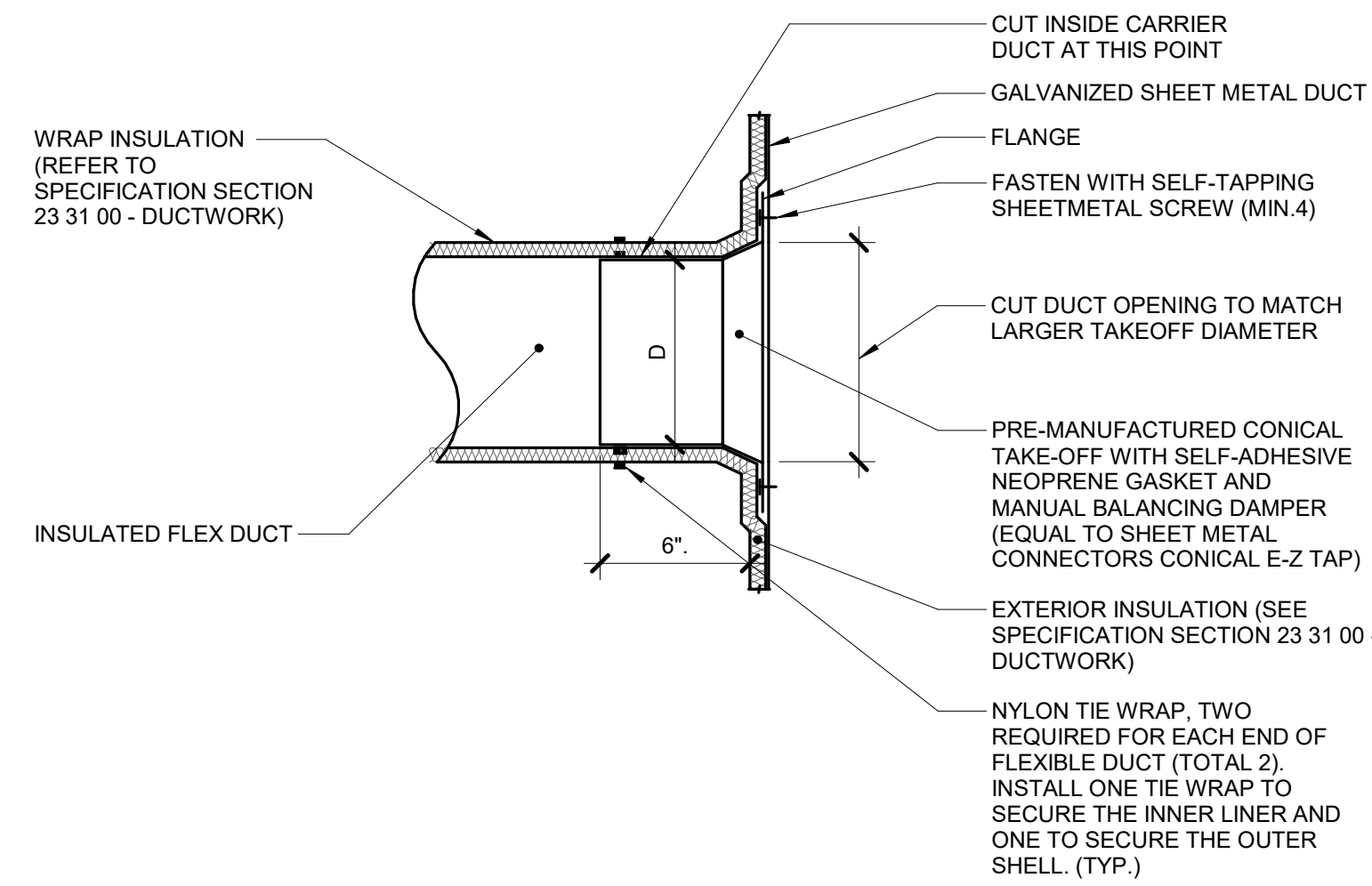


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## 1 HOT WATER COIL PIPING

NO SCALE  
M\_HC 0.01

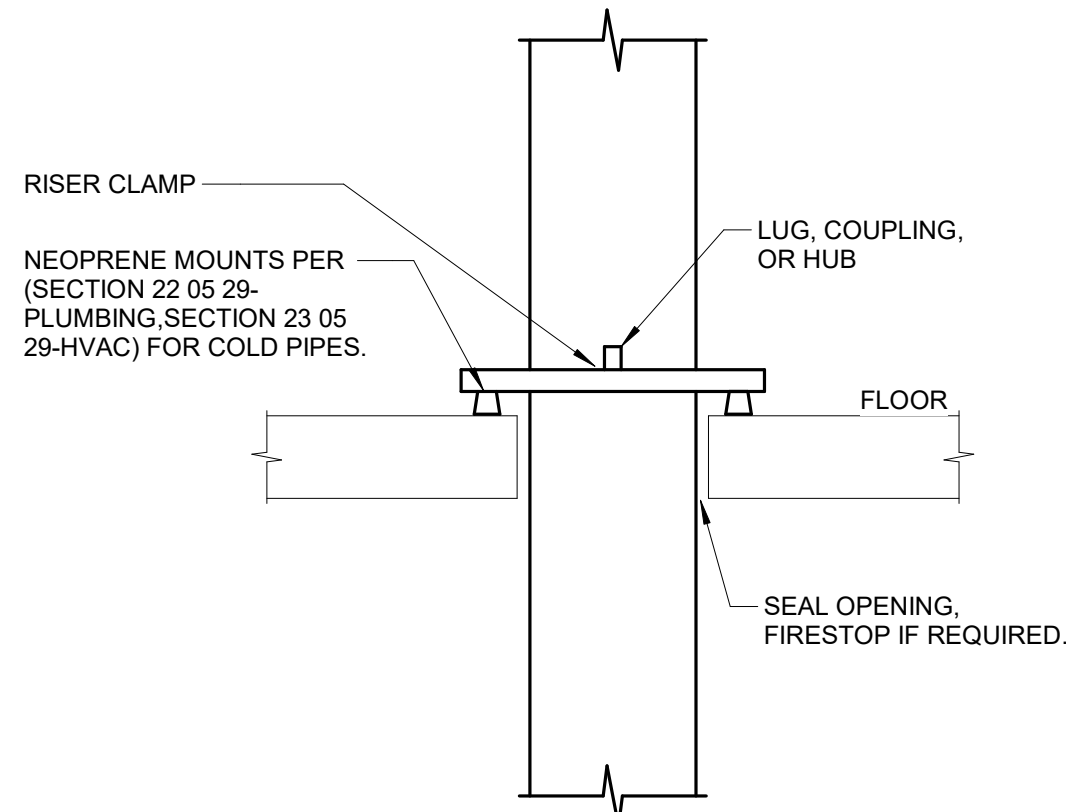


### NOTES:

1. THIS DETAIL APPLIES ONLY TO TAPS OFF UNLINED DUCTS.
2. TAP DOES NOT NEED TO BE CONICAL IF THE TAP IS NOT LOCATED BETWEEN FANS AND TERMINAL AIR BOXES. DUCT IS NOT OVER 2" PRESSURE CLASS, AND ROUND DUCT IS NOT OVER 12" DIAMETER.

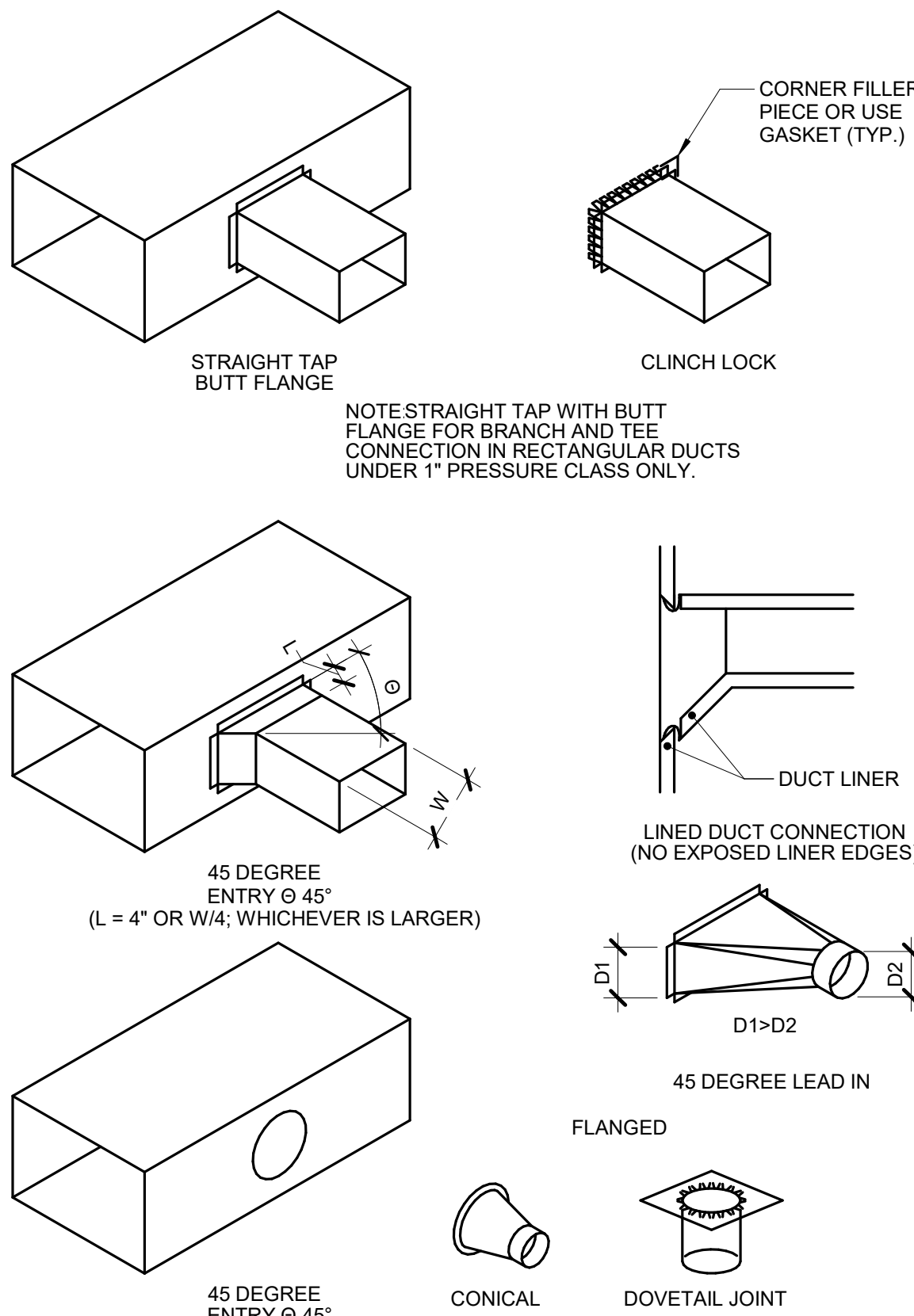
## 4 DUCT - FLEX CONICAL TO WRAPPED DUCT CONNECTION

NO SCALE  
M\_TAP 0.04



## 7 PIPE SUPPORT

NO SCALE  
M\_SUP 0.03

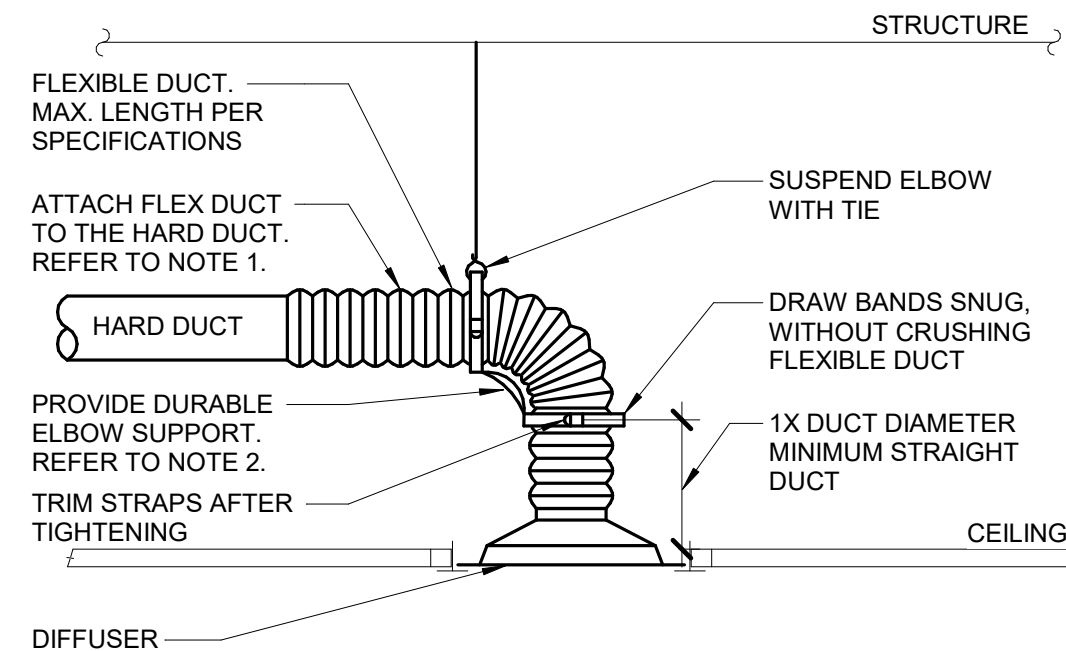


### NOTES:

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

## 2 DUCT - BRANCH CONNECTIONS

NO SCALE  
M\_TAP 0.01

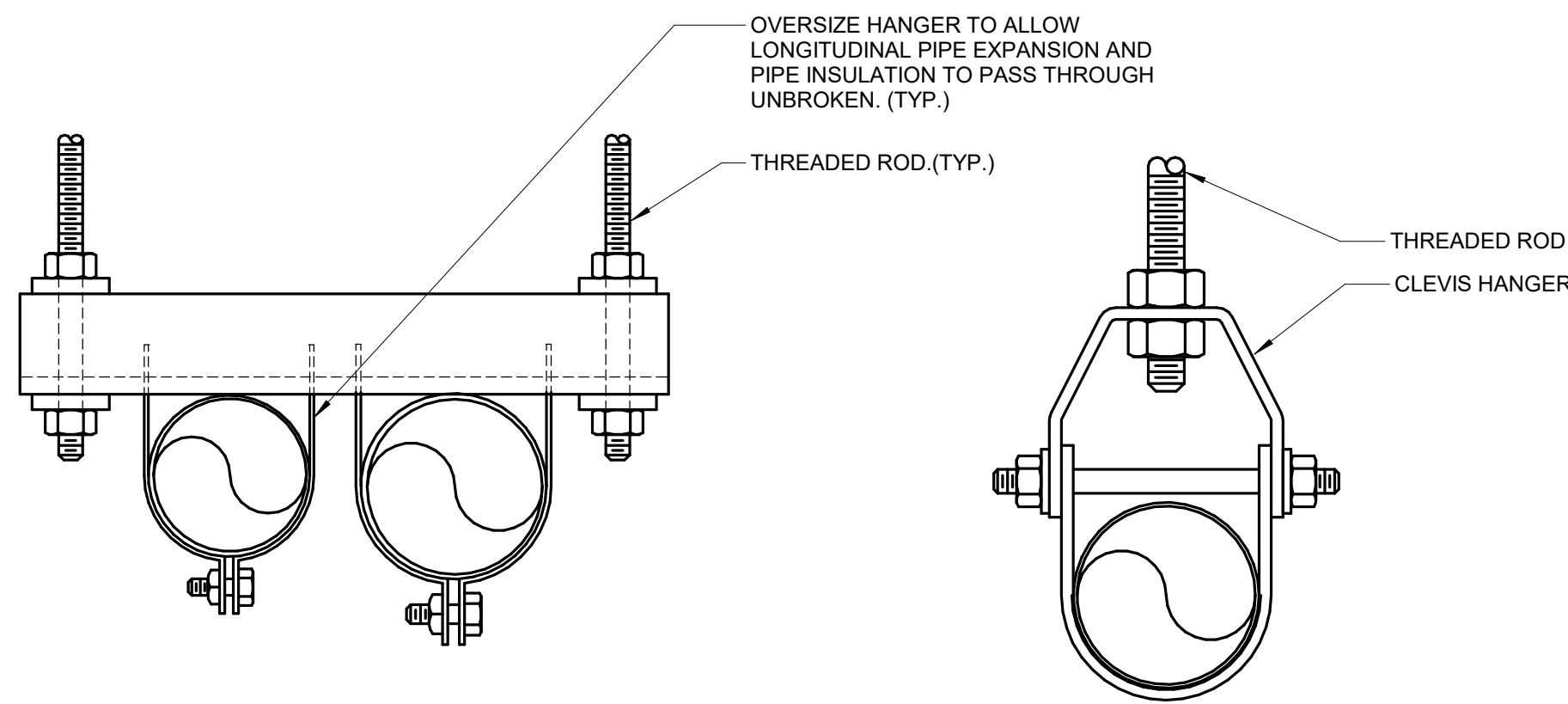


### NOTES:

1. 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.
2. DURABLE ELBOW SUPPORT ACCEPTABLE MANUFACTURER AND MODEL: HART AND COOLEY - SMARTFLOW, THERMAFLEX - FLEXFLOW, TITUS - FLEXRIGHT, OR APPROVED EQUAL.

## 5 DIFFUSER CONNECTION DETAIL (W/ RADIUS FORMING ELBOW)

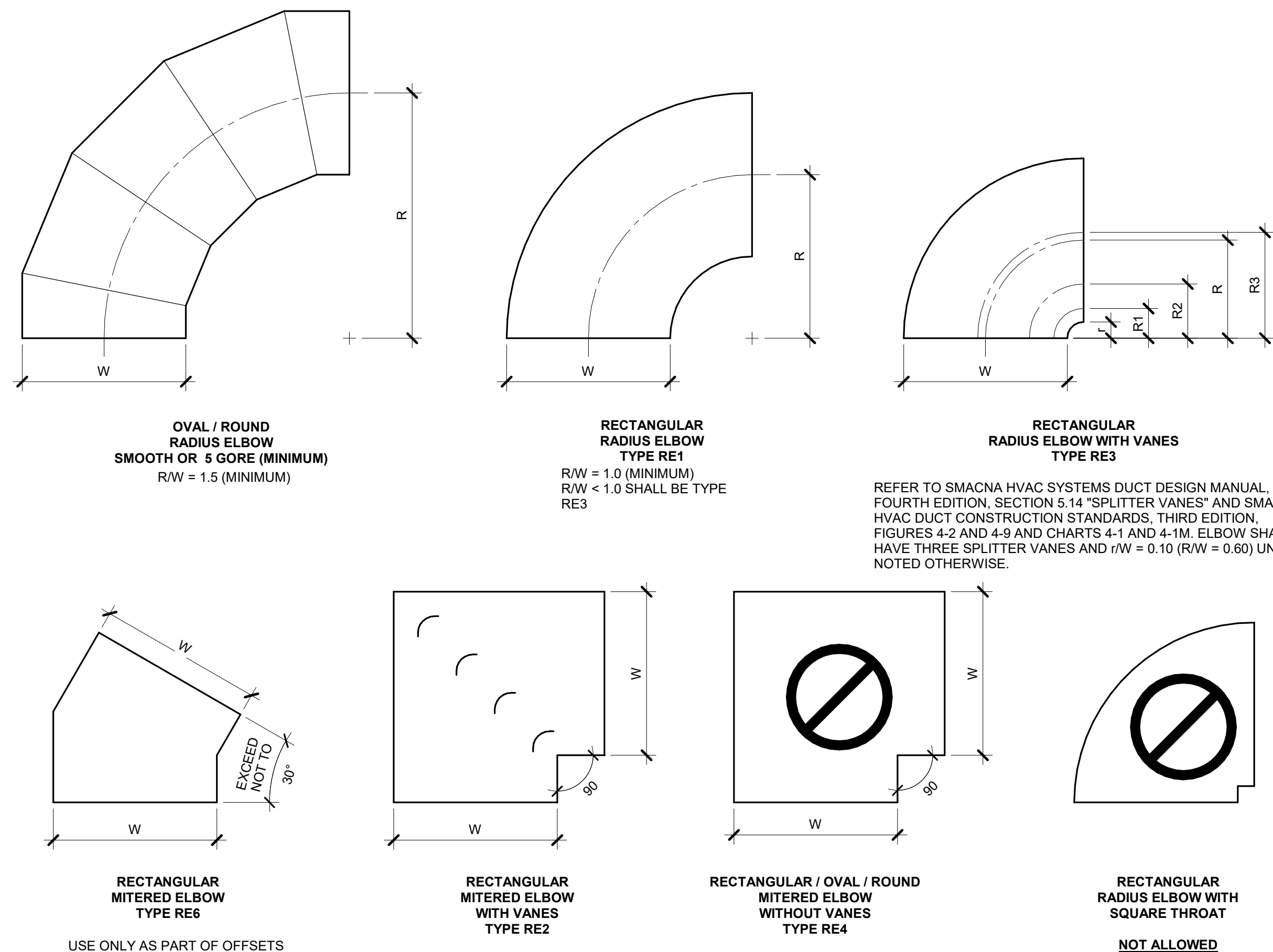
NO SCALE  
4



### TRAPEZE HANGER

### NOTES:

1. REFER TO SPECIFICATION SECTION 21 05 29.

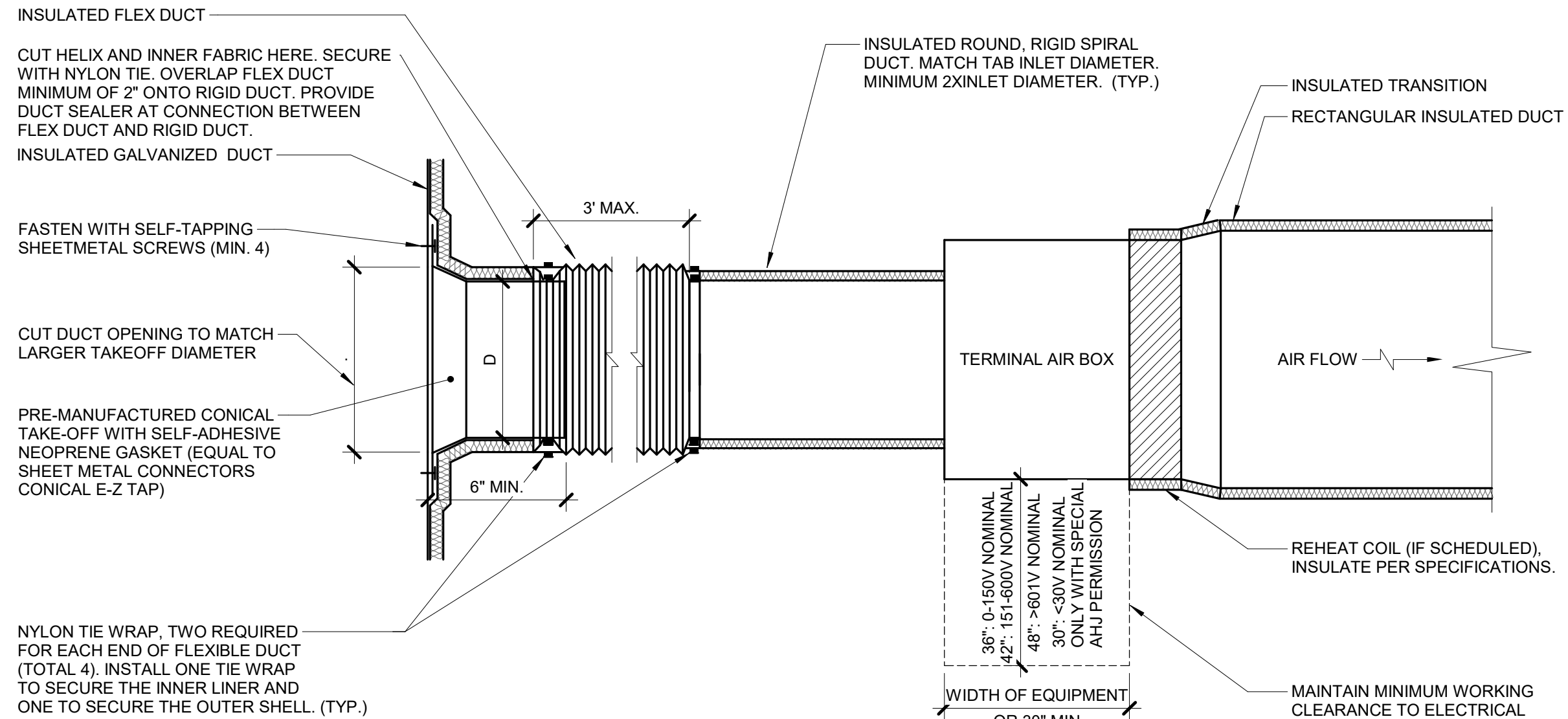


### NOTES:

1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DEFAULT ELBOW SHALL BE TYPE \"RE1\".
4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED FOR RE2.

## 3 DUCT - ELBOW CONSTRUCTION

NO SCALE  
M\_DF 0.05



### NOTES:

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

## 6 TERMINAL AIR BOX - SINGLE DUCT - WRAPPED

NO SCALE  
M\_TAB 0.03

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Lee's Summit, MO 64086

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

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MECHANICAL DETAILS

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## TERMINAL AIR BOX SCHEDULE - SINGLE DUCT

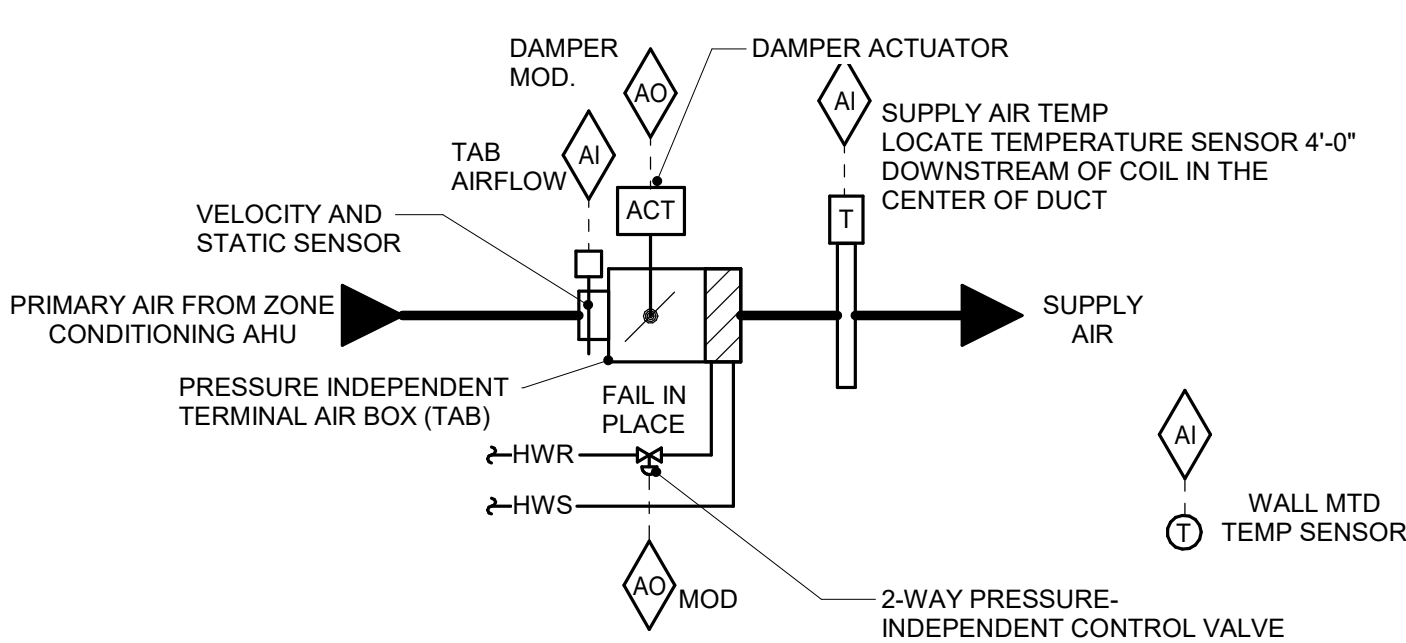
NOTES:  
1. NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.  
2. TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.  
3. CONTROL TYPES: 1-TAB 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", EWT "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)										CONTROL TYPE (NOTE 3)	SENSOR TYPE (NOTE 4)	MANUFACTURER	MODEL (NOTES 1, 2)	NOTES
		COOLING MAX.	HEATING MAX.	MIN.	EAT "F"	LAT "F"	EWT "F"	MAX. GPM	MIN. INLET SIZE (IN.) DIA.									
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	35OR	OMIT SCREW HOLES
SD-1	24x24	PLAQUE	LAY-IN	STEEL	WHITE	NO	TITUS	OMNI	

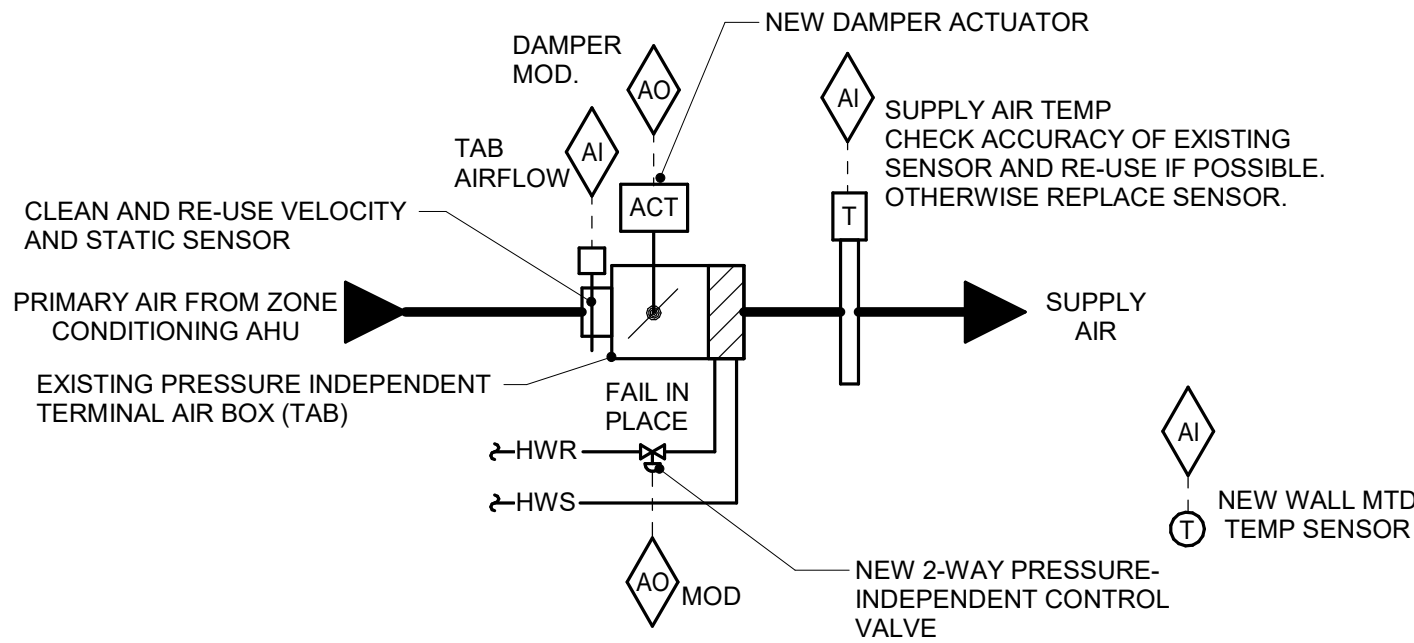


### SEQUENCE OF OPERATION:

- 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:	
HWR	HEATING WATER RETURN	
HWS	HEATING WATER SUPPLY	
VAC	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	DIGITAL INPUT
	ANALOG OUTPUT	DIGITAL OUTPUT
	FLOW METER	HUMIDISTAT SENSOR
	FLOW SWITCH	HUMIDISTAT / SENSOR
	FLOW SENSOR	HUMIDITY SENSOR (DUCT MOUNTED)
	AIR FLOW SWITCH	CARBON MONOXIDE SENSOR
	DUCT FLOW METER	CARBON DIOXIDE SENSOR
	HUMIDIFIER	CARBON MONOXIDE SENSOR (DUCT MOUNTED)
	DUCT SMOKE DETECTOR	CARBON DIOXIDE SENSOR (DUCT MOUNTED)
	HEATING/ COOLING COIL	TERMINAL AIR BOX
	AIR BLENDER	TERMINAL AIR BOX W/ REHEAT
	MANUAL MOTOR STARTER W/THERMAL OVERLOAD	OCCUPANCY SENSOR
	FAN	SENSOR
	MOTOR	ACTUATOR
	CONTACTOR	DOOR SWITCH
	PUMP	DIFFERENTIAL PRESSURE SWITCH
		CURRENT SWITCH
		VIBRATION SWITCH
		NORMALL CLOSED CONTACT
		NORMALLY OPEN CONTACT
		OPPOSED BLADE DAMPER
		PARALLEL BLADE DAMPER

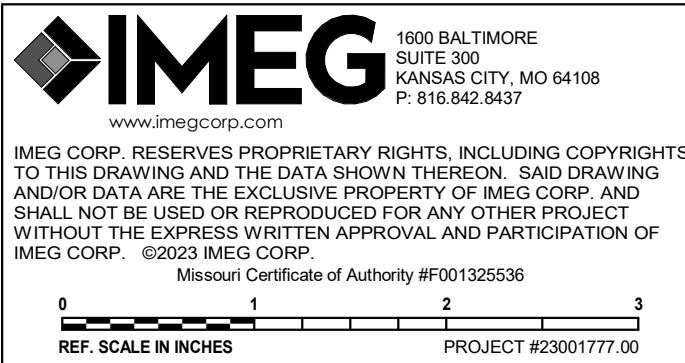
## TEMPERATURE CONTROL GENERAL NOTES:

- 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.

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














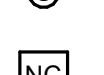


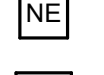






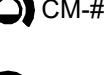














Date 04/07/2023  
Job Number 3-23005  
Drawn By MCW  
Checked By MJL


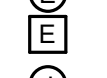


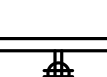




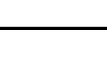
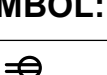



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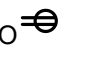
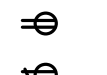
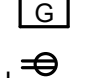

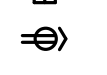

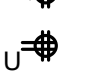

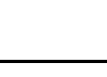

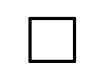


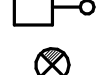

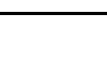

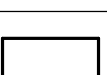


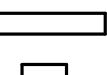

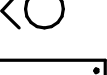
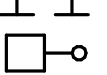


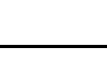





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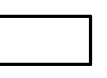


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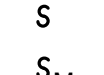
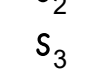
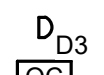
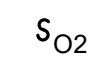
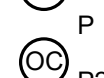
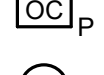



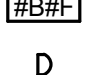

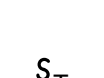



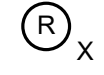







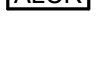
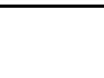
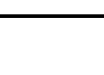

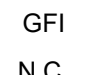
TECHNOLOGY SYMBOL LIST			
SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
	AV-FB-AV#	AV DEVICE IN FLOOR BOX/POKE THROUGH	
	SC-RI-F	INFORMATION OUTLET ROUGH-IN (FLOOR)	
	AV-RI-AV#	INFORMATION OUTLET AV ROUGH-IN (WALL)	
	SC-IO-W	INFORMATION OUTLET (WALL)	
	SC-RI-W	INFORMATION OUTLET ROUGH-IN (WALL)	
	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-DR1-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-AL1-W	INTRUSION DETECTION AUDIBLE ALARM (WALL)	
	ID-MD1-C	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
	WIM-#	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 (EQUIPOTENTIAL GROUNDING. REFER TO DETAIL)
	EPO [PB]	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, 6-20R, 250V
	REC-SIM-630R	RECEPTACLE, 6-30R, 250V
	REC-TAMP	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-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
		NORMAL BRANCH DEVICE
		CRITICAL BRANCH DEVICE (EMERGENCY)
		PUSH PAD/PUSH TO EXIT

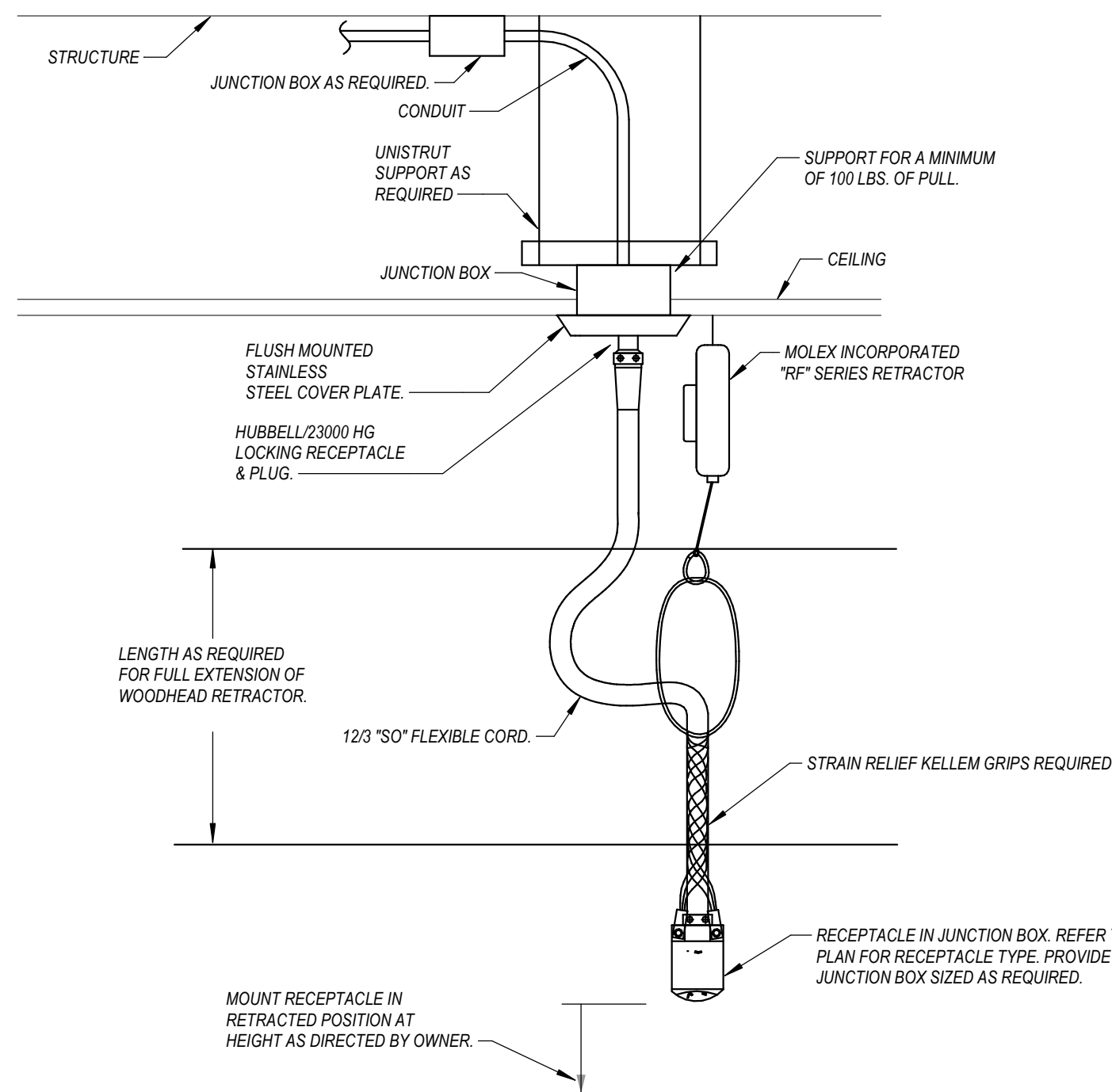
ELECTRICAL SYMBOL LIST		
SYMBOL:	TAG:	DESCRIPTION:
		LINEAR LUMINAIRES
		TROFFER
		WALL SCONCE LUMINAIRE
		DOWNLIGHT LUMINAIRE
		AMABLE OR WALL WASH LUMINAIRE
		INDUSTRIAL LUMINAIRE
		WALL BRACKET LUMINAIRE
		POLE MOUNTED LUMINAIRE
		SINGLE FACE EXIT SIGN
		DOUBLE FACE EXIT SIGN
		WALL/CEILING EMERGENCY 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: THREE BUTTON KEYPAD S3: FOUR BUTTON KEYPAD S4: FIVE BUTTON KEYPAD S8: EIGHT BUTTON KEYPAD D1: ONE ROCKER DIMMABLE KEYPAD
		WATTSTOPPER DIGITAL LIGHTING MANAGEMENT ROOM CONTROLLER. REFER TO DETAILS FOR SYSTEM INTERCONNECTION REQUIREMENTS. X INDICATES TYPE: A. ONE RELAY SWITCHING CONTROLLER: LMRC-101 B. TWO RELAY SWITCHING CONTROLLER: LMRC-102 C. ONE RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMRC-211 D. TWO RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMRC-212 E. THREE RELAY SWITCHING OR 0-10V DIMMING CONTROLLER: LMRC213
	BMS	WATTSTOPPER DIGITAL LIGHTING MANAGEMENT INPUT/OUTPUT INTERFACE FOR BMS CONTROL OF LIGHTING. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED: LM1N-104.
	SW-OC-D	WATTSTOPPER DIGITAL LIGHTING TECHNOLOGY CEILING MOUNT OCCUPANCY SENSOR. OCCUPANCY SENSOR SHALL TURNS 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.

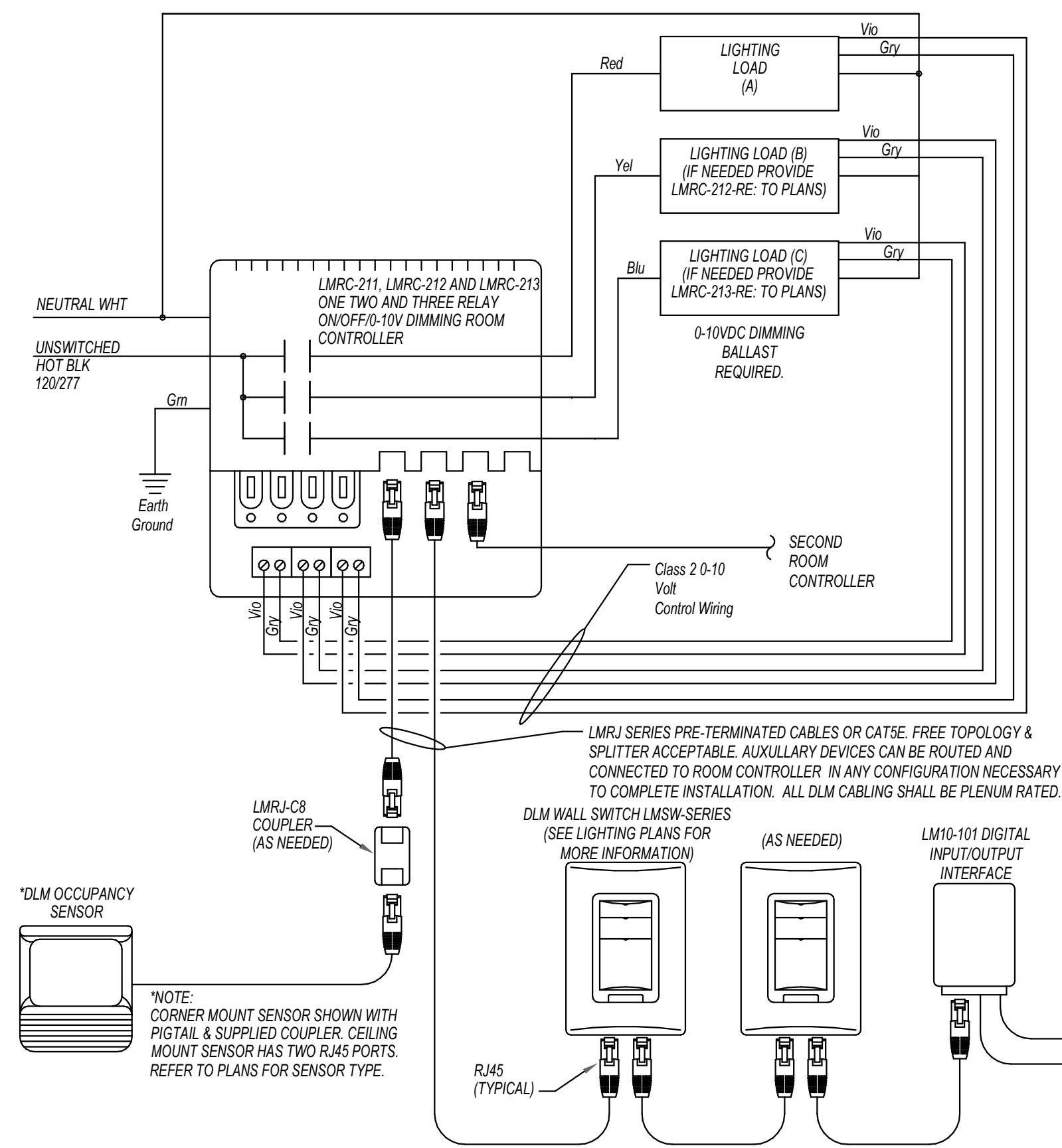
ELECTRICAL ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
GFI	GROUND FAULT INTERRUPTER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTES
EM	INDICATES LIGHT OR DEVICE CONNECTED TO EMERGENCY POWER OR FURNISHED WITH 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:
COMMON AND SEQUENCE OF OPERATION SUBSCRIPTS			SUBSCRIPTS: TYPE / PROGRAMMING WG = WIRE GUARD IS REQUIRED W = WEATHERPROOF A = ATRIUM CA = CLEAN AGENT SYSTEM CR = COMPUTER ROOM E = ELEVATOR REGALL D = HVAC CONTROL DH = DOOR HOLD RELEASE DIPS = DUAL INTERLOCK PREACTION SYS FD = FIRE DOOR RELEASE MP = MEDICAL PROCEDURE S = SLEEPING / PATIENT ROOM SW = STAIRWELL # = 15, 30, 75, 110, 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 FIRE ALARM DUCT SMOKE DETECTOR
	FA-122	28 31 00	# = EQUIP OR SYSTEM
	ASSD-#	28 31 50	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 FIRE ALARM ADDRESSABLE MONITOR MODULE
	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
	EOL	28 31 00	FIRE ALARM END OF LINE DEVICE, DRAWINGS ONLY
	FA-250	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



## DETAIL OF CEILING MOUNTED RETRACTABLE RECEPTACLE

NO SCALE



**LMRC-211**  
SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-211 DEFAULTS TO MANUAL ON/AUTOMATIC OFF.

**LMRC-212**  
SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-212 DEFAULTS TO MULTILEVEL AUTOMATIC ON/AUTOMATIC OFF OPERATION. LOAD (A) TURNS ON AUTOMATICALLY AND LOAD (B) DEFAULTS TO MANUAL ON-CONTROL. BOTH LOADS TURN AUTOMATICALLY OFF.

**LMRC-213**  
IN THIS CONFIGURATION THE LMRC-213 SEQUENCE OF OPERATION: DEFAULTS TO MULTILEVEL AUTOMATIC ON/AUTOMATIC OFF OPERATION. LOAD (A) ON THE LMRC-213 TURNS ON AUTOMATICALLY. WHILE LOAD (B) AND (C) DEFAULTS ENHANCED ROOM TO MANUAL ON-CONTROL. ALL RELAYS TURN OFF AUTOMATICALLY.

**NOTE:**  
-FURNISH WITH TWO (2) LMCT-100 DIGITAL WIRELESS CONFIGURATION TOOLS.  
-PROVIDE COMMISSIONING AND TRAINING FOR ALL INSTALLATIONS.  
-PROVIDE ENGRAVING FOR BUTTONS ON ALL INSTALLATIONS.  
-ALL SWELING FOR OCCUPANCY SENSORS SHALL BE TURNED OVER TO OWNER

## DETAIL OF LMRC-211, LMRC-212 AND LMRC-213 ROOM CONTROLLER CABLING

NO SCALE

## LED LUMINAIRE SCHEDULE

<b>(DESC) DOOR:</b> FA - FLAT ALUMINUM FS - FLAT STEEL RA - REGRESSED ALUMINUM RS - REGRESSED STEEL <b>FINISH:</b> PAF - PAINT AFTER FABRICATION CFC - COLOR-FINISH SELECTION BY ARCHITECT	<b>DISTRIBUTION:</b> II - ANSI/TYPE 2 DISTRIBUTION III - ANSI/TYPE 3 DISTRIBUTION IV - ANSI/TYPE 4 DISTRIBUTION V - ANSI/TYPE 5 DISTRIBUTION <b>RE- RECESSED</b> SP - SUSPENDED SU - SURFACE UC - UNDER CABINET WL - WALL O - OTHER (SEE DESCRIPTION)	<b>BEAMWIDTH:</b> NSP - VERY NARROW SPOT SP - SPOT MD - MEDIUM WD - WIDE VWD - VERY WIDE WW - WALL WASH	<b>(L/L) LENS/L/OVER:</b> A - 125° ACRYLIC B - Baffle/OVER C - CLEAR ALZAK F - FROSTED ACRYLIC K - KSH12 125° ACRYLIC <b>(WATT) PER:</b> FIX - FIXTURE, FT - FOOT, LAMP	K19 - KSH19 156° ACRYLIC M - MATTE DIFFUSE CLEAR N - NONE P - POLYCARBONATE R - HIGH IMPACT DR ACRYLIC SS - SEMI-SPECULAR CLEAR O - OTHER (SEE DESCRIPTION) [DESIGN SPECIFIC BLANKS]
<b>(MTG) MOUNTING:</b> CL - CEILING SURFACE CV - COVE FR - FLANGED RECESSED P - PERIMETER PL - POLE	<b>RE- RECESSED</b> SP - SUSPENDED SU - SURFACE UC - UNDER CABINET WL - WALL O - OTHER (SEE DESCRIPTION)		<b>(TYPE) LED:</b> LED - LIGHT EMITTING DIODE FLUSH MOUNT ALL DUPLEX RECEP DLED - DYNAMIC TUNABLE LED	
<b>(TYPE) DRIVER:</b> 0-10V - 0-10V DIMMING TO 1% DALI - DIGITAL ADDRESSABLE DMX - DIGITAL MULTIPLEX	<b>EB - ELECTRONIC</b> ELV - ELECTRONIC LOW VOLTAGE EM - EMERGENCY BATTERY	<b>HL - HIGH/LOW (100%/50%) STEP DIM</b> LINE - LINE VOLTAGE DIMMING ML - MULTILEVEL SWITCHING	<b>MV - MULTI-VOLTAGE ELECTRONIC</b> REM - REMOTE O - OTHER (SEE DESCRIPTION)	

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

ITEM	DESCRIPTION	L/L	MTG	L	W	H	DIA	ANSI WATTS	PER	TYPE	QTY	DELIVERED LUMENS (MIN)	VOLTS	TYPE	MANUFACTURER AND MODEL
A2	SHALLOW PLENUM TROFFER WITH DIFFUSE LINEAR RIBBED ACRYLIC LENS IN CENTER, WHITE FINISH, STEEL HOUSING	F	RE	4'-0"	2'-0"	4 1/2"		0 W	FIX	LED	1	82CRI, 3500K CCT, 3763 LUMENS	277 V	0-10V MV	WILLIAMS - PT SERIES (L38)
A6	RECESSED LED TROFFER WITH DIFFUSE LINEAR ACRYLIC LENS IN CENTER, CLEAR LENSED BOTTOM DOOR, WHITE FINISH, STEEL HOUSING	F	RE	4'-0"	2'-0"	4 7/16"		63 W	FIX	LED	1	80CRI, 3500K CCT, 8900 LUMENS	277 V	0-10V MV	WILLIAMS - DIL SERIES (L89)
D1	ROUND RECESSED DOWNLIGHT, WITH DIE-CAST WHITE ANTI-MICROBIAL TRIM AND WITH DIFFUSE ACRYLIC LENS, FLAT WHITE REFLECTOR, WIDE DISTRIBUTION	F	RE			6 5/8"	6"	24 W	FIX	LED	1	80 CRI, 5000K, 1602 LUMENS	277 V	0-10V MV	WILLIAMS #HM6DR SERIES (L20)
D2	ROUND RECESSED DOWNLIGHT, WITH DIE-CAST WHITE ANTI-MICROBIAL TRIM AND WITH DIFFUSE ACRYLIC LENS, FLAT WHITE REFLECTOR, WIDE DISTRIBUTION	F	RE			6 5/8"	6"	38 W	FIX	LED	1	80 CRI, 5000K, 2372 LUMENS	277 V	0-10V MV	WILLIAMS #HM6DR SERIES (L30)
E	SELF-CONTAINED EMERGENCY LIGHT FIXTURE, OFF-WHITE THERMOPLASTIC HOUSING WITH TWO LED LAMP HEADS, BATTERY BACK UP, SELF-DIAGNOSTICS, WALL MOUNT 8'-0" AFF, UNLESS OTHERWISE DIRECTED BY ARCHITECT	O	SU	1'-1 3/8"	6"	3 20x25 6"		3 W	FIX	LED	1	FURN.	277 V	MV	ACUTY/LITHONIA - EMERGENCY HELMEL SERIES
X	LED EXIT SIGN, CAST ALUMINUM HOUSING, RED LETTERS, WHITE FINISH, PROVIDE NECESSARY HARDWARE FOR CEILING OR WALL MOUNTING. 120VOLT AC ONLY.	O	SU	11"	2"	8"		2 W	FIX	LED	1	FURN.	277 V	MV	ACUTY/LITHONIA - EMERGENCY - LE SERIES
X1	LED IN USE SIGN, CAST ALUMINUM HOUSING, RED LETTERS, WHITE FINISH, PROVIDE NECESSARY HARDWARE FOR CEILING OR WALL MOUNTING. VERIFY WITH IMAGING VENDOR - 120VOLT AC ONLY.		SU	11"	2"	8"		2 W	FIX	LED	1	FURN.	120 V	MV	ACUTY/LITHONIA - EMERGENCY - LE SERIES

### SCHEDULE NOTES:

- ALL LIGHT FIXTURES TO BE PROVIDED WITH ALL NECESSARY HARDWARE AS REQUIRED FOR MOUNTING IN SPECIFIED CEILINGS.

## ELECTRICAL INSTALLATION NOTES:

- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
- CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
- EMERGENCY LIFE SAFETY AND CRITICAL EQUIPMENT BRANCH WIRING FOR FEEDERS AND BRANCH CIRCUITS SHALL BE A SEPARATE RACEWAY. JUNCTION BOXES, PULL BOXES, AND CABINETS. WIRING FOR EACH BRANCH SHALL BE INDEPENDENT FROM OTHER BRANCHES, INCLUDING THE NORMAL BRANCH.
- FLUSH MOUNT ALL DUPLEX RECEP. FROM FLOOR. CENTERLINE ABOVE COUNTERLINE DIMENSION, EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
- FLUSH MOUNT ALL DUPLEX RECEP. AND TECHNOLOGY OUTLETS AT 18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
- CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED.
- MOUNT ALL FIRE ALARM PULL STATIONS AT 42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED.
- INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
- CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTABLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE
- ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION OF AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- ALL EXISTING BRANCH CIRCUITS REQUIRE FIELD VERIFICATION AND SHALL BE TRACED FROM SOURCE PANEL TO DEVICES, LIGHT FIXTURES AND EQUIPMENT REQUIRED TO REMAIN OR RELOCATE. UTILIZE INFORMATION TO PROVIDE ACCURATE UPDATED TYPE-WRITTEN PANEL SCHEDULES.
- ALL ELECTRICAL WORK SHALL COMPLY WITH NEC 2017 ARTICLE 517 FOR HEALTHCARE FACILITIES.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO BEGINNING ANY WORK.
- THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED. ALL EQUIPMENT DESIGNATED BY OWNER TO BE RETAINED IS TO BE REMOVED IN GOOD CONDITION, LABELED, BOXED AND DELIVERED TO OWNER.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" NOMINAL, UNLESS NOTED OTHERWISE.
- PROTECT ALL EXISTING SITE UTILITIES REQUIRED TO REMAIN IN OPERATION AND AS REQUIRED FOR JOB SITE SAFETY. ANY DEVIATIONS FOUND SHALL BE MADE KNOWN TO THE ARCHITECT PRIOR TO WORK COMMENCING. COMMENCEMENT OF WORK INDICATES ACCEPTANCE OF DRAWINGS AND SITE CONDITIONS.
- COORDINATE ALL WORK WITH OTHER TRADES, OFFSET PANELS, LIGHTS, RECEPTABLES AND CONDUIT AS REQUIRED. APPROVAL MUST BE OBTAINED FROM ARCHITECT PRIOR TO OFFSETTING ANY DEVICE EQUIPMENT.
- CONTRACTOR SHALL RELABEL AND UPDATE SCHEDULES IN ALL REPLACED AND EXISTING TO REMAIN PANELBOARDS AND DISTRIBUTION PANELS AT THE COMPLETION OF THE PROJECT. AFTER COMPLETION OF NEW WORK, REMOVE ALL TEMPORARY EQUIPMENT, CONDUIT, AND WIRING NOT REQUIRED TO REMAIN.
- CONTRACTOR SHALL ENSURE THAT ALL PENETRATIONS IN FLOORS, WALLS AND CEILINGS THAT ARE ABANDONED OR LEFT UNSEED BECAUSE OF DEMOLITION, ARE FILLED WITH RATED MATERIAL TO MEET THE DESIGNATED CODE REQUIREMENTS. FIRE-STOPPING REQUIRED AT ALL FIREWALL, CONDUIT AND/OR CABLE PENETRATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL GFI DUPLEX RECEPTABLES SHALL BE CONNECTED DOWNSTREAM ON ALL SHARED BRANCH CIRCUITS HAVING GENERAL DUPLEX RECEPTABLES.
- ALL EMPTY CONDUITS INDICATED SHALL BE FURNISHED AND INSTALLED WITH PULLWIRES AND INSULATED BUSHINGS.
- VERIFY ALL OUTLETS, J-BOXES, PULLBOXES AND LIGHTING LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL CASEWORK AND REFLECTED CEILING PLANS, INCLUDING OWNER FURNISHED EQUIPMENT AND/OR FURNITURE, PRIOR TO ROUGH-IN.
- ALL OUTLET BOXES SHALL BE PROVIDED AS FLUSH MOUNTING HAVING CONDUIT CONCEALED AS REQUIRED. UNLESS NOTED OTHERWISE, ALL BOXES UTILIZED SHALL BE COMPATIBLE WITH ALL WALL CONSTRUCTION. PROVISION SHALL BE MADE FOR "SHALLOW-TYPE" AND "STANDARD" OUTLET BOXES AS REQUIRED FOR FLUSH INSTALLATION.
- ALL CONDUIT SHALL BE CONCEALED IN CONSTRUCTION IN FINISHED AREAS. EXPOSED CONDUIT SHALL BE ROUTED AT BUILDING STRUCTURE ABOVE AT CEILING, THEN DROP TO EACH FIXTURE OR DEVICE LOCATION INDICATED BY ARCHITECT.
- FOR PURPOSES OF VOLTAGE DROP, PROVIDE #10 WIRE FOR 120 VOLT BRANCH CIRCUIT HOMERUN BEYOND 70 FT FROM SOURCE PANEL AND #8 WIRE FOR 120 VOLT BRANCH CIRCUIT HOMERUNS BEYOND 120 FT FROM SOURCE PANEL.
- VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS OF ALL HVAC, HVAC CONTROL, PLUMBING, FIRE ALARM, FIRE PROTECTION, IT, SECURITY, COMMUNICATIONS AND OWNER FURNISHED EQUIPMENT PER EQUIPMENT MANUFACTURER INSTRUCTIONS AND COORDINATE WITH ASSOCIATED EQUIPMENT CONTRACTORS. PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
- ALL EXISTING EQUIPMENT, CONDUIT AND WIRING SHOWN LIGHTLY AND NOTED ARE EXISTING TO REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ALL EXISTING EQUIPMENT, CONDUIT AND WIRING SHOWN DARK AND DASHED TO BE REMOVED BY ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
- ALL EQUIPMENT, CONDUIT AND WIRING SHOWN DARK AND SOLID IS NEW WORK TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- IN EXISTING RENOVATED FINISHED AREAS WHERE CONDUIT AND WIRING ARE NOT ABLE TO BE INSTALLED CONCEALED IN CONSTRUCTION, FURNISH AND INSTALL SURFACE MOUNTED RACEWAY AS MANUFACTURED BY LEGRAND WIREMOLD, OR APPROVED EQUIVALENT. RACEWAY SIZE AND USAGE SHALL BE KEPT TO A MINIMUM. VERIFY EXISTING CONDITIONS AND COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE NEW BREAKERS IN EXISTING PANELBOARDS, IF REQUIRED. MATCH RATINGS AND MATE WITH EXISTING SIZE, IF REQUIRED.
- UPON COMPLETION OF DEMOLITION WORK, CONFIRM QUANTITIES OF "SPARE" 20 AMP, 1-POLE BREAKERS IN EXISTING 120 AND 277 VOLT PANELS FOR REUSE IN NEW WORK. PROVIDE LIST TO ARCHITECT AND ENGINEER FOR REVIEW, PRIOR TO ROUGH-IN.
- EXISTING PANELBOARDS TO REMAIN. ASSOCIATED EXISTING BRANCH CIRCUITS TO BE TRACED AND VERIFIED FOR REMOVAL. TO REMAIN AND/OR TO BE EXTENDED/RE-ROUTED. PROVIDE NEW BRANCH CIRCUITS, AS REQUIRED.
- EXISTING ELECTRICAL EQUIPMENT, DEVICES AND LIGHTING ARE TAKEN FROM AS-BUILT DRAWINGS. VERIFY EXISTING CONDITIONS.
- PROVIDE A MINIMUM OF 2 #12 W, 1 #12 GROUND IN 3/4" CONDUIT FOR HOMERUN BRANCH CIRCUITS, UNLESS DETERMINED OTHERWISE BY VOLTAGE DROP.

## ELECTRICAL GENERAL NOTES:

- REFER TO DRAWINGS CONTAINING ELECTRICAL SCHEDULES. PERMANENT NAMEPLATE SHALL MATCH FINAL EQUIPMENT NOMENCLATURE, NOT ELECTRICAL EQUIPMENT TAG NAME. REFER TO SPECIFICATIONS.
- "NL" INDICATES LUMINAIRE IS UNSWITCHED FOR NIGHT LIGHT.
- "SE" INDICATES LUMINAIRE IS SWITCHED/CONTROLLED DURING NORMAL OPERATION AND OFFERED FROM EMERGENCY CIRCUIT UPON LOSS OF POWER.
- SHADED LUMINAIRE OR DEVICE INDICATES LUMINAIRE OR DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT.
- (B) IS WHEN REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF RAISE/LOWER AND SWITCHING ON/OFF FOR MULTIPLE SCENES AS INDICATED ON SHEETS. COORDINATE QUANTITIES OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER. REFER TO DETAILS THIS SHEET.
- VACANCY/OCCUPANCY SENSOR LAYOUT. SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM.

### LUMINAIRE KEY:

- F1 = FIXTURE TAG  
1 = CIRCUIT NUMBER  
NL = SWITCH DESIGNATION  
NL = SUBSCRIPT (IF APPLICABLE)  
Z = ZONE DESIGNATION

\*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX F1 / 1 a / NL

### DEVICE KEY:

- A = MOUNTING (IF APPLICABLE)  
1 = CIRCUIT NUMBER

\*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX A / 1

### ELECTRICAL MOUNTING SUBSCRIPT KEY:

- A MOUNT AT 48" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH  
C MOUNT AT CEILING  
H MOUNT ORIENTED HORIZONTALLY  
L MOUNT IN CASEWORK  
M MOUNT IN MODULAR FURNITURE  
R MOUNT IN SURFACE RACEWAY  
EWC ELECTRIC WATER COOLER

## ELECTRICAL PHASING NOTES:

- THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO LIGHTING, POWER, AND SYSTEMS.
- REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO CONSTRUCTION MANAGERS/GENERAL CONTRACTORS/ARCHITECTS INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
  - REVIEW ALL EXISTING ELECTRICAL SYSTEMS AND PHASING SCHEDULES.
  - PROVIDE TEMPORARY LIGHTING, POWER, SYSTEMS, ETC. AS NEEDED TO MAINTAIN ACCESS TO ALL AREAS DURING ALL PHASES OF PROJECT.
  - INSTALL TEMPORARY LIGHTING, CIRCUITS, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT.
  - PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

## ELECTRICAL RENOVATION NOTES:

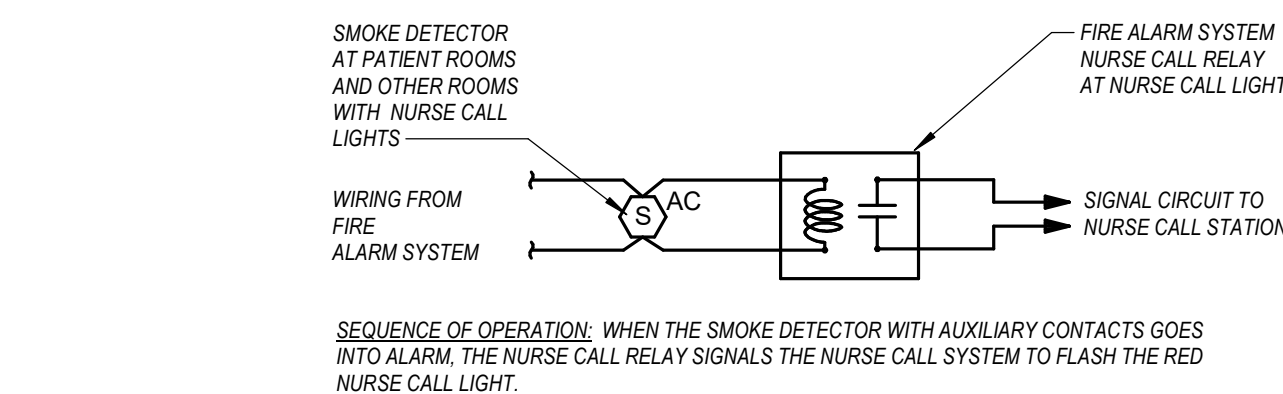
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR CABLE TRAY, BUSWAY AND EXISTING 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 AND ARCHITECT/ENGINEER 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 ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

## TYPICAL REMODEL:

- ALL LUMINAIRES SHOWN TO BE DEMOLISHED SHALL BE DISPOSED OF IF NOT REQUIRED BY OWNER FOR ATTIC STOCK. CONFIRM WITH OWNER PRIOR TO DISPOSAL IF THE LAMPS, LENS OR SUBSET OF LUMINAIRES SHOULD BE TURNED OVER FOR ATTIC STOCK.
- REMOVE EXISTING LUMINAIRES AND WALL SWITCHES WHERE SHOWN. LOCATE AND IDENTIFY ELECTRICAL CIRCUIT SERVING REMOVED LUMINAIRES FOR REUSE WITH NEW DEVICES.
- COORDINATE HOURS OF ACCESS WITH OWNER.
- REMOVE EXISTING LUMINAIRE AND PREPARE FOR INSTALLATION OF NEW LUMINAIRE IN SAME LOCATION OR NEW LOCATION.
- WHERE WALL SWITCH DEVICE IS REMOVED AND NOT REPLACED, PROVIDE WITH BLANK SWITCH PLATE.
- NEW OCCUPANCY SENSORS TO BE INSTALLED IN A MANUAL ON/AUTO OFF CONFIGURATION.
- COORDINATE LOCATIONS OF NEW LUMINAIRES WITH EXISTING DUCT, PIPING, STRUCTURAL AND CEILING MOUNTED DEVICES.

## EL-020-DLM-ELCU-200-EMERGENCY RELAY UNIT WITH DLM CONTROLLERS

NO SCALE



## FIRE ALARM AND NURSE CALL INTERFACE DETAIL

NO SCALE

# ACI BOLAND ARCHITECTS

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Nuclear Medicine / Spect. CT remodel  
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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

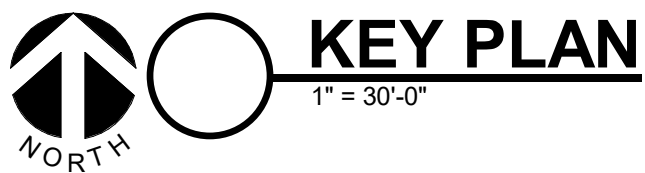
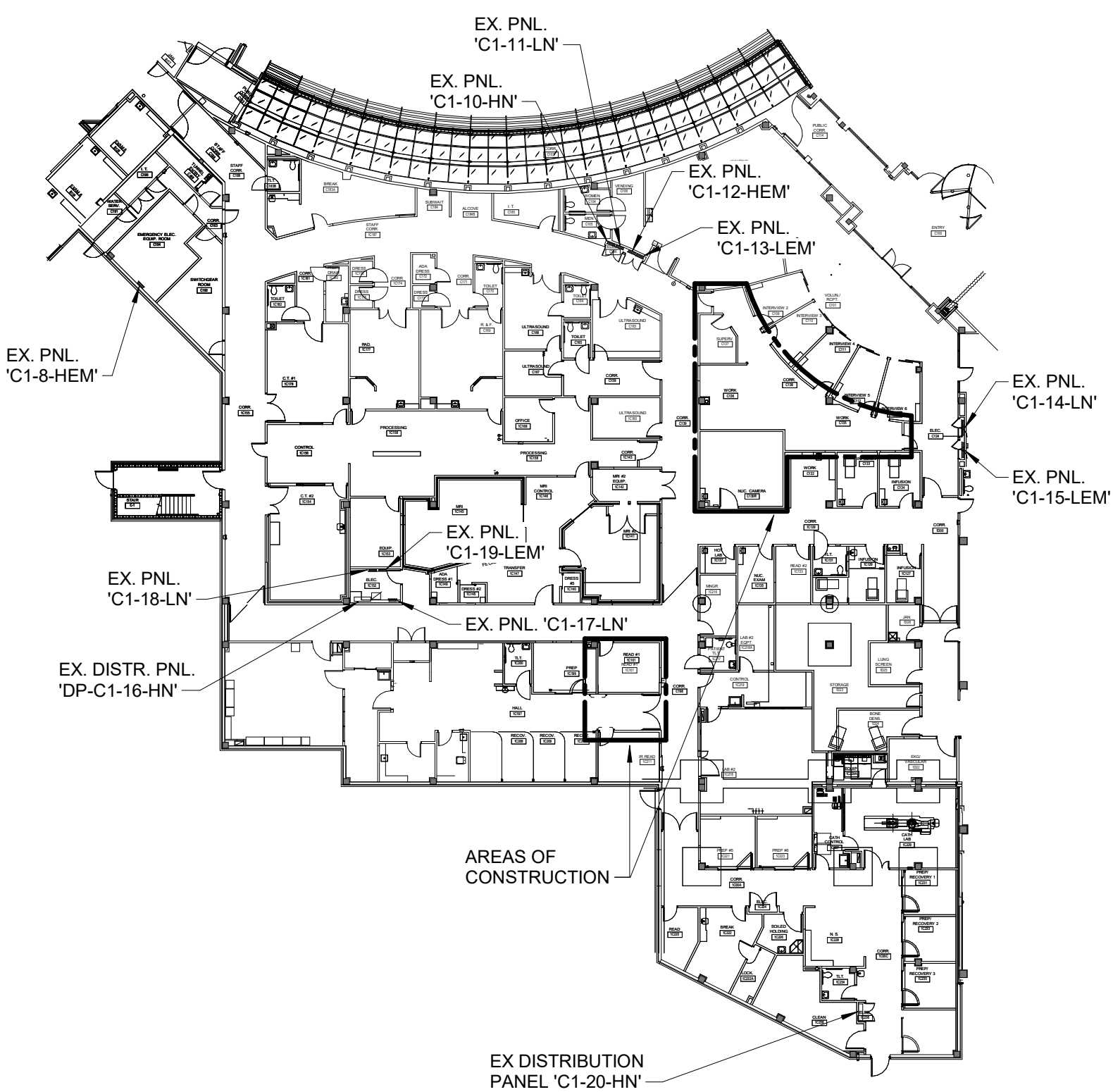
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- SHEET NOTES:**
1. REFER TO SHEET E000 AND E001 FOR SYMBOLS AND ELECTRICAL GENERAL NOTES. NOT ALL NOTES MAY APPLY TO THIS SHEET.
  2. EXISTING LIGHTING NORMAL BRANCH CIRCUITS ARE SERVED FROM 277 VOLT NORMAL SOURCE PANELBOARD 'C1-10-HN'. TRACE EXISTING CIRCUITS AND VERIFY EXISTING CONDITIONS. REFER TO KEY PLAN THIS SHEET FOR PANEL LOCATION.
  3. 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.
  4. DEVICES AND LIGHTS TO BE DEMO'D ARE SHOWN DARK AND DASHED. ALL EXISTING TO REMAIN DEVICES AND LIGHTS ARE SHOWN LIGHTLY.
  5. NOT ALL DEVICES AND LIGHTS TO BE DEMO'D ARE SHOWN. CONTRACTOR SHALL COMPLETELY REMOVE ALL DEVICES AND LIGHTS NO LONGER REQUIRED TO REMAIN.
  6. 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.
  7. 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.
  8. 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: ( # )**
1. MAINTAIN EXISTING BRANCH CIRCUIT(S). ADAPT/EXTEND/MODIFY EXISTING CIRCUIT(S) FOR NEW WORK INDICATED. VERIFY EXISTING CONDITIONS.
  2. EXISTING BRANCH CIRCUIT WITHIN DESIGNATED ROOM OR AREA TO REMAIN. VERIFY EXISTING CONDITIONS.



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REF. SCALE IN INCHES PROJECT #23001777.00

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  
Number Date Description

E101

FIRST FLOOR DEMOLITION PLAN - LIGHTING

RELEASED FOR CONSTRUCTION  
ACI/Boland, Inc. Services Department  
P. LINDSAY ROBERTSON  
NUMBER  
FE-2002016725  
P. Lindsay Robertson - RPE  
2002016725  
04/07/2023

**ACI BOLAND ARCHITECTS**

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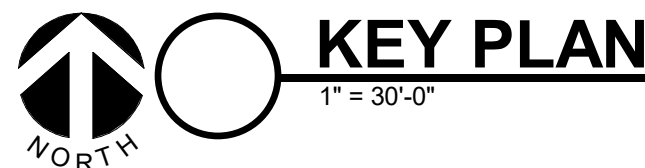
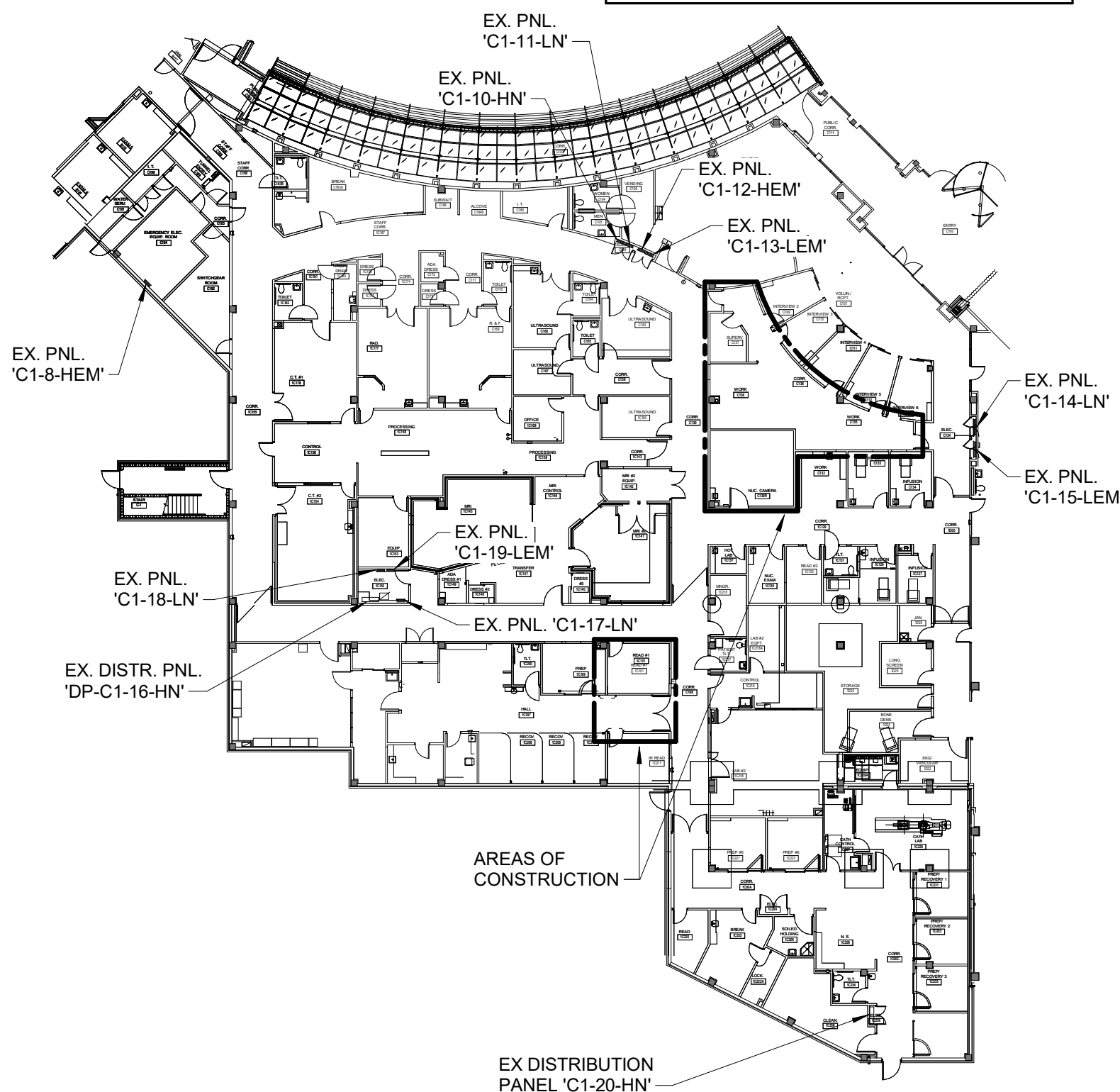
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# FIRST FLOOR DEMOLITION PLAN - POWER

1/4" = 1'-0"



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REF. SCALE IN INCHES PROJECT #23001777.00

## SHEET NOTES:

### 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.

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  
Number Date Description

E111  
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FIRST FLOOR DEMOLITION PLAN - POWER

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## MEP ENGINEER

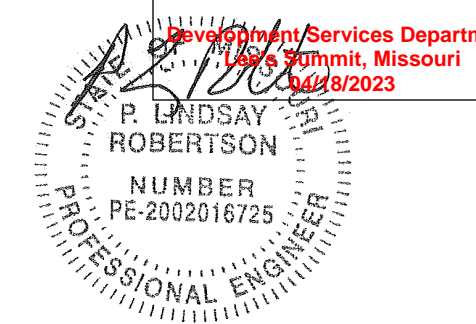
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FIRST FLOOR DEMOLITION PLAN - POWER

RELEASED FOR CONSTRUCTION  
ACI/Boland, Inc. 4/7/2023



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

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## FIRST FLOOR DEMOLITION PLAN - SYSTEMS

1/4" = 1'-0"

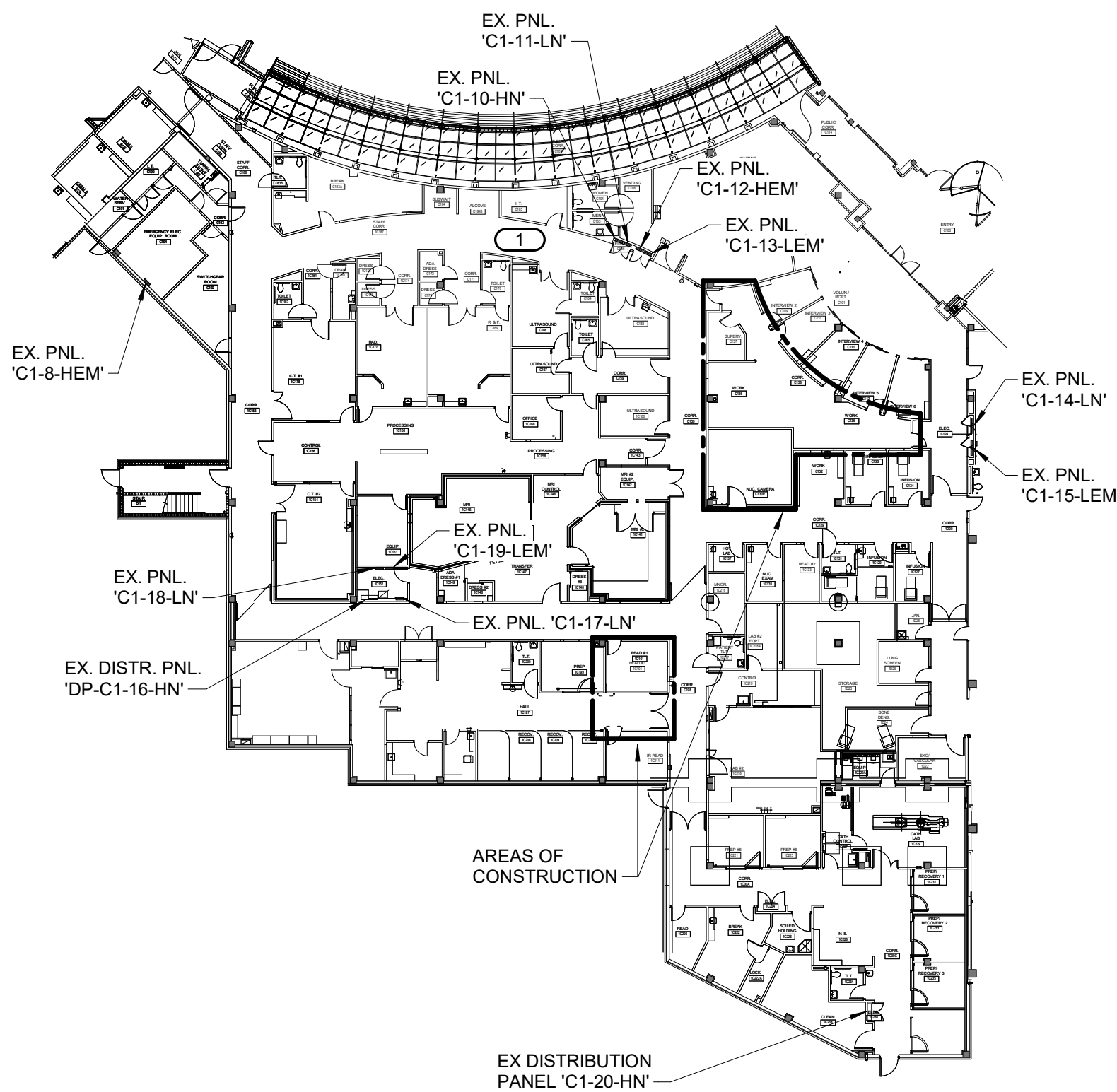


### SHEET NOTES:

- 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 FLEXUM - 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. SPECTRA Q3, SCANNER ROOM." FILE NAME #M105-000.881.01.02.02 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 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.



### KEY PLAN

1" = 30'-0"



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

Revision  
Number Date Description

E121  
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FIRST FLOOR DEMOLITION PLAN - SYSTEMS

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### MEP ENGINEER

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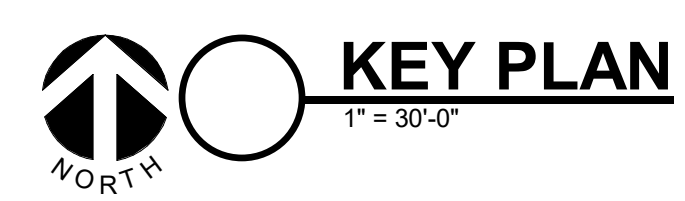
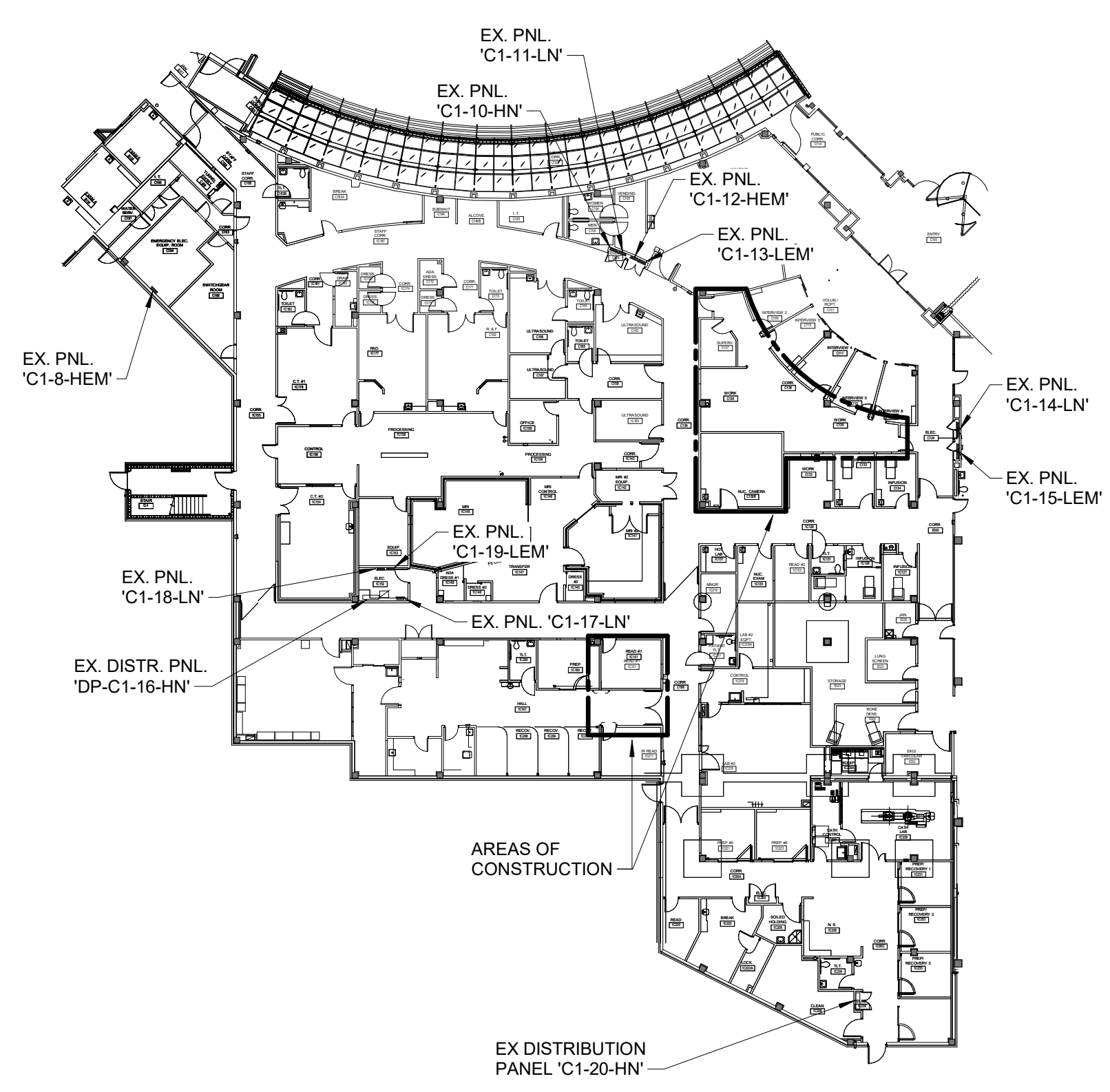
RELEASED FOR CONSTRUCTION  
ACI/Boland, Inc. 4/7/2023  
P. LINDSAY ROBERTSON  
NUMBER FE-2302016725  
PROFESSIONAL ENGINEER  
Missouri

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

BN 360/23001777.00 - SLH East Lees Summit- MO-Nuc Med Replace\MEP21\_23001777.00\_SLH East Lees Summit- MO-Nuc Med Replace\_C.rvt

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



- 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 (S) 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 REINSTALLATION INSTRUCTIONS 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 LIGHTING TO EXISTING NORMAL BRANCH CIRCUIT. TAKE READINGS TO ENSURE CIRCUIT(S) 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 LMRC-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 LMIO-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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REF. SCALE IN INCHES PROJECT #23001777.00

**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		
Number	Date	Description

RELEASED FOR CONSTRUCTION  
ACI/BOLAND, Inc  
P. LINDSAY ROBERTSON  
NUMBER FE-2302016725  
PROFESSIONAL ENGINEER  
P. Lindsay Robertson - #PE 2002016725 04/07/2023  
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Licensee's Certificate of Authority Number:

BN 380/23001777.00 - SLH East-Lees Summit- MO-Nuc Med Replace\MEP21\_23001777.00\_SLH East-Lees Summit- MO-Nuc Med Replace\_C.rvt

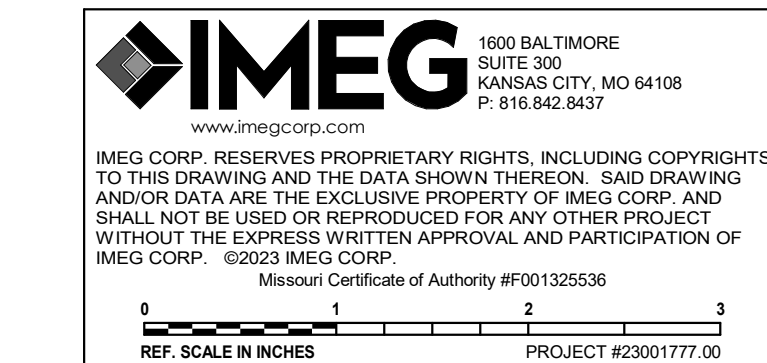
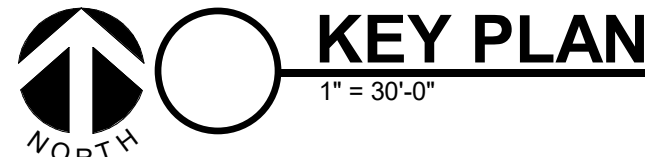
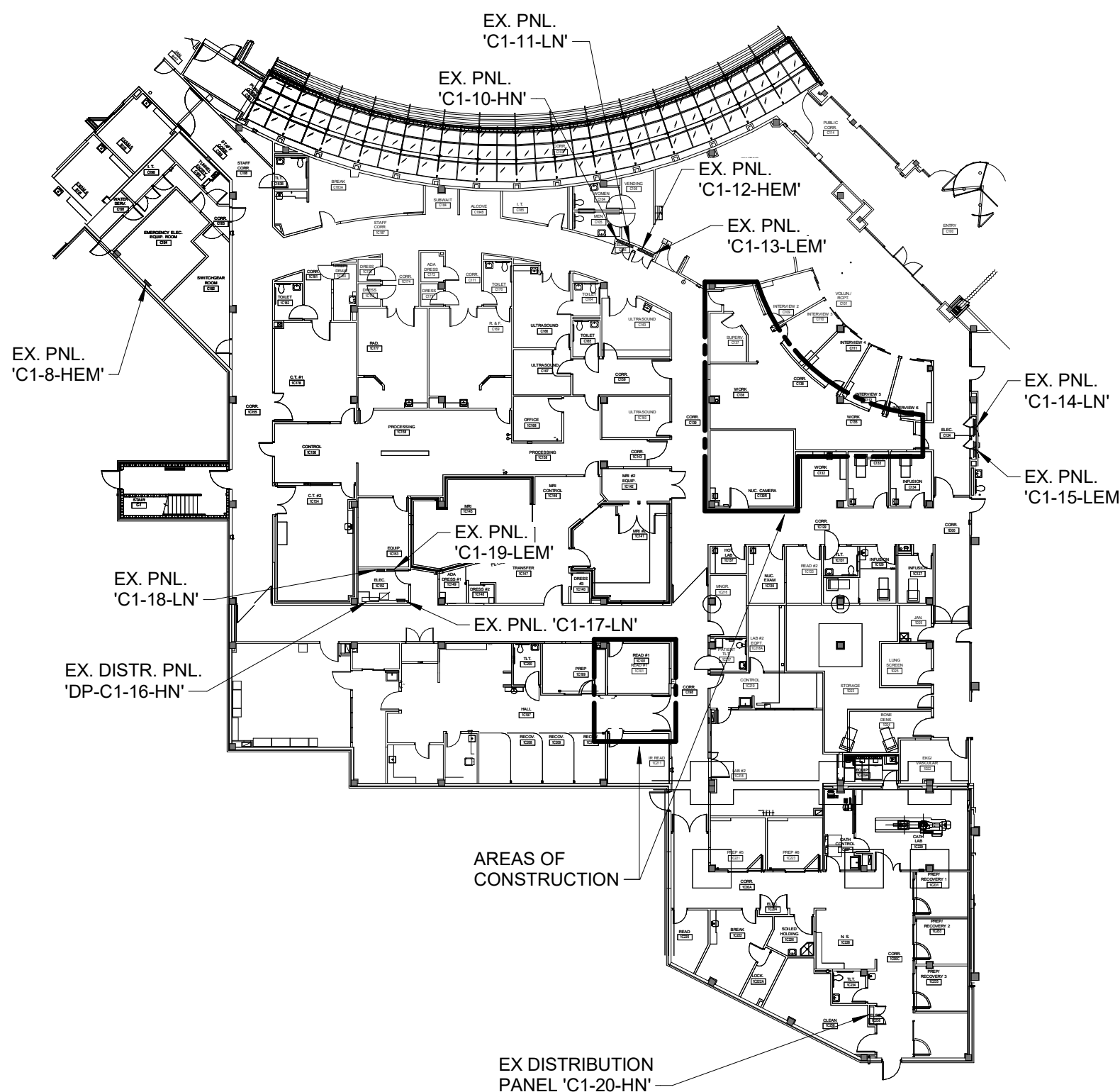
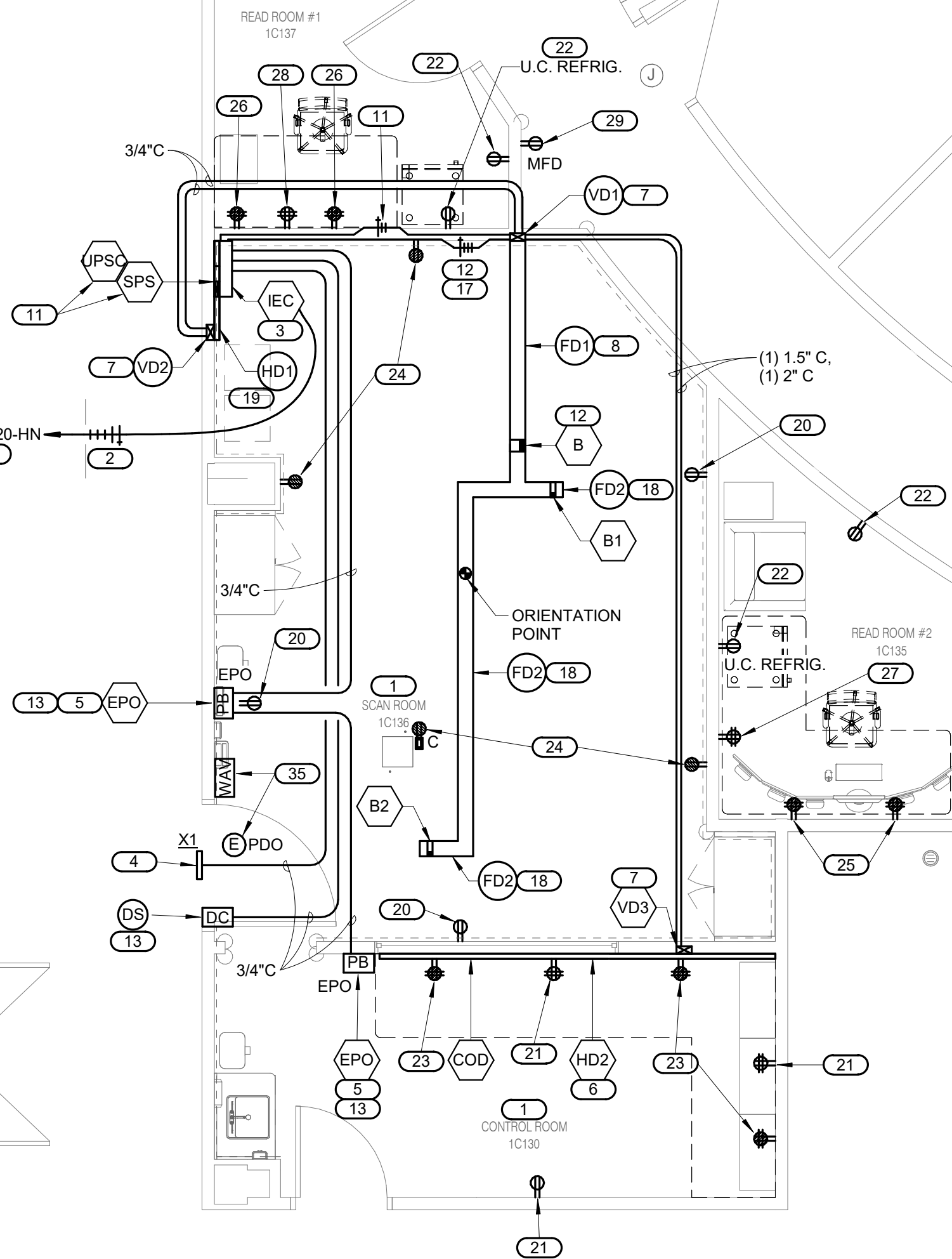
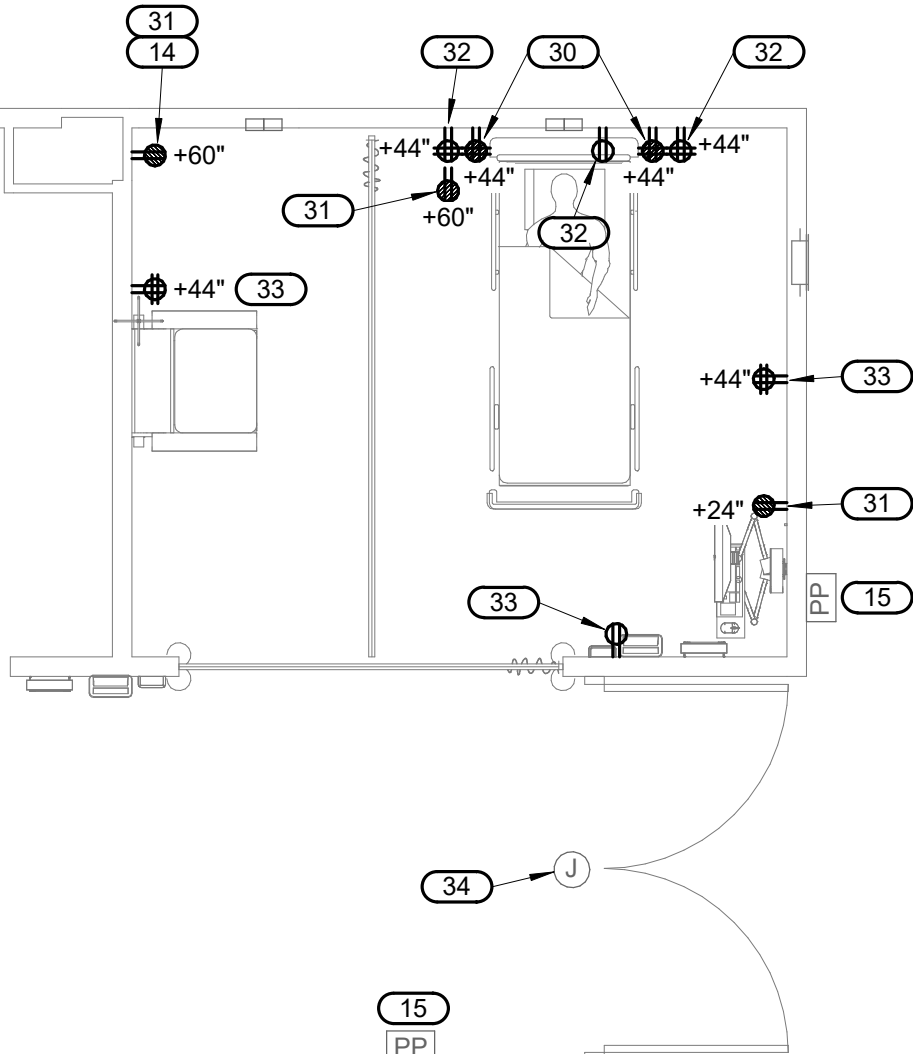
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## FIRST FLOOR PLAN - POWER

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  
Number Date Description

E211

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FIRST FLOOR PLAN - POWER

### SHEET NOTES:

1. REFER TO SHEETS E000 AND E001 FOR SYMBOLS AND ADDITIONAL ELECTRICAL GENERAL NOTES. NOT ALL NOTES ON SHEET E001 MAY APPLY TO THIS SHEET.
2. RECEPTACLES NORMAL BRANCH CIRCUITS TO BE SERVED FROM 120 VOLT PANELBOARDS 'C1-11-LN' OR 'C1-18-LN'.
3. RECEPTACLES CRITICAL BRANCH CIRCUITS TO BE SERVED FROM 120 VOLT PANELBOARDS 'C1-15-LEM' OR 'C1-19-LEM'.
4. REFER TO SIEMENS HEALTHCARE VENDOR DRAWINGS - SITE SPECIFIC - "SYMBIA PRO. SPECTA Q3. SCANNER ROOM". 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.
5. NOT ALL ELECTRICAL WORK IS SHOWN. REFER TO FINAL SIEMENS VENDOR SITE SPECIFIC DRAWINGS FOR ALL INTERCONNECTING CABLING, CONDUIT, J-BOXES, RACEWAYS, WIRING, 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 SIEMENS VENDOR DRAWINGS AS OWNER OR CONTRACTOR FURNISHED AND/OR INSTALLED.
6. CONTRACTOR SHALL CAREFULLY COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH FINAL SIEMENS VENDOR PRIOR TO INSTALLATION. PROVIDE NEW CIRCUIT BREAKERS TO MATE WITH EXISTING PANELBOARDS SIZE AND MATCH PANEL RATINGS. IF REQUIRED.
7. ALL CONDUIT RUNS MUST TAKE THE MOST DIRECT ROUTE AND SHALL BE FURNISHED WITH PULL STRINGS.
8. AS-BUILT DRAWINGS INDICATES EXISTING PANELS 'C1-11-LN' CIRCUITS # 10,12,13,15,17,35,37,38,40,42 AND 'C1-17-LN' CIRCUIT #11 SERVES EXISTING NORMAL SOURCE RECEPTACLES. TRACE AND VERIFY EXISTING CONDITIONS.
9. AS-BUILT DRAWINGS INDICATES EXISTING PANEL 'C1-18-LN' CIRCUITS #20,22,24,26,23,29,31 SERVE EXISTING NORMAL SOURCE RECEPTACLES. VERIFY EXISTING CONDITIONS.

### KEYNOTES: #

1. REFERENCE VENDOR DRAWINGS FOR DIMENSIONED EQUIPMENT LOCATIONS. ALL INTERCONNECTING CABLING, CONDUIT AND WIRING, DESCRIPTION OF ITEMS TO BE FURNISHED BY ELECTRICAL CONTRACTOR AND DESCRIPTION OF THE SYMBOLS WHICH APPLY TO THIS PROJECT, BUT ARE NOT SHOWN ON ELECTRICAL DRAWINGS. ELECTRICAL CONTRACTOR SHALL VERIFY THAT VENDOR DRAWINGS USED FOR CONSTRUCTION ARE OF THE LATEST REVISIONS. ANY DEVIATIONS FROM VENDOR DRAWINGS REQUIRED ARE NOT SHOWN ON THE ELECTRICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CRITERIA LISTED IN THE NOTES, DETAILS AND DIAGRAMS SHOWN ON THE VENDOR DRAWINGS.
2. PROVIDE 4 #10W, 1 #10 GROUND IN 2" CONDUIT.
3. SIEMENS FURNISHED SURFACE MOUNT 150AMP, 3-POLE ENCLOSED MAIN BREAKER PANEL WITH SHUNT TRIP. INSTALL AS DIRECTED BY C.T. VENDOR (480V, 3PH).
4. PROVIDE WARNING LIGHT AT 120 VOLT AND 24 VOLT RELAY OR AS DIRECTED BY C.T. VENDOR.
5. PROVIDE DEVICE AND PROTECTIVE COVER TO PREVENT ACCIDENTAL ACTIVATION AS DIRECTED BY CT VENDOR.
6. PROVIDE ONE (1) HORIZONTAL 6"x3.5" SURFACE WALL DUCT WITH DIVIDERS BELOW COUNTER AT THE FLOOR AS DIRECTED BY C.T. VENDOR.
7. PROVIDE 6"x3.5" FLUSH IN WALL RISER DUCT WITH DIVIDERS FROM FLOOR UP TO ABOVE ACCESSIBLE CEILING AS DIRECTED BY C.T. VENDOR.
8. PROVIDE 6"x3.5" FLUSH IN FLOOR TRENCH DUCT WITH DIVIDERS FROM WALL TO GANTRY AS DIRECTED BY C.T. VENDOR.
9. KEYNOTE NOT USED.
10. KEYNOTE NOT USED.
11. PROVIDE 2 #10 W, 1 #10 GROUND IN 3/4" CONDUIT FROM DEVICE TO 'IEC' AS DIRECTED BY C.T. VENDOR.
12. EXTEND CONDUCTORS VIA TRENCH DUCT TO GANTRY 'B' AS DIRECTED BY C.T. VENDOR.
13. PROVIDE #14 WIRING IN 3/4" CONDUIT AS DIRECTED BY C.T. VENDOR.
14. INDICATED RECEPTACLE SHALL BE PROVIDED AS PART OF ALTERNATE BID #3.
15. EXISTING AUTO DOOR PUSHPLATE SHALL BE REMOVED AND REPLACED WITH HANDWAVE OPERATOR AS PART OF ALTERNATE BID #1. EXISTING WIRING SHALL BE RE-USED.
16. ROUTE HOMERUN CIRCUIT TO DESIGNATED DISTRIBUTION PANEL. EXISTING PANEL APPEARS TO HAVE ONE (1) 200 AMP, 3-POLE 'SPARE' FUSIBLE DISCONNECT SWITCH. UTILIZE 'SPARE' AND PROVIDE THREE (3) 150 AMP FUSES.
17. PROVIDE 3 #3 W, 1 #3 GROUND IN 1.25" CONDUIT.
18. PROVIDE 6"x3.5" FLUSH IN FLOOR TRENCH DUCT WITH DIVIDERS AS DIRECTED BY C.T. VENDOR.
19. PROVIDE 6"x3.5" SURFACE WALL DUCT WITH DIVIDERS AND FRONT COVERS AS DIRECTED BY C.T. VENDOR.
20. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (NORMAL SOURCE)
21. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (NORMAL SOURCE)
22. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (NORMAL SOURCE)
23. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (EMERGENCY SOURCE)
24. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (EMERGENCY SOURCE)
25. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (EMERGENCY SOURCE)
26. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (EMERGENCY SOURCE)
27. PROVIDE ONE (1) 20 AMP, 120 VOLT DEDICATED BRANCH CIRCUIT TO SERVE DESIGNATED RECEPTACLE. (NORMAL SOURCE)
28. PROVIDE ONE (1) 20 AMP, 120 VOLT DEDICATED BRANCH CIRCUIT TO SERVE DESIGNATED RECEPTACLE. (NORMAL SOURCE)
29. PROVIDE ONE (1) 20 AMP, 120 VOLT DEDICATED BRANCH CIRCUIT TO SERVE DESIGNATED RECEPTACLE. (NORMAL SOURCE)
30. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (EMERGENCY SOURCE)
31. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (EMERGENCY SOURCE)
32. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (NORMAL SOURCE)
33. DESIGNATED RECEPTACLES SHALL SHARE ONE (1) 20 AMP, 120 VOLT BRANCH CIRCUIT. (NORMAL SOURCE)
34. EXISTING CIRCUIT CONNECTION TO POWERED DOOR OPERATOR TO REMAIN.
35. PROVIDE ONE (1) 20 AMP, 120 VOLT DEDICATED BRANCH CIRCUIT TO SERVE POWER DOOR OPENER. PROVIDE LOW-VOLTAGE WIRING TO ASSOCIATED HANDWAVE OPERATOR - OPERATOR SHALL UNLOCK DOOR BEFORE ACTIVATING OPENER. OPENER TO BE ACTIVATED BY CARD READER ON OUTSIDE OF DOOR. REFER TO SYSTEMS PLAN FOR MORE INFORMATION.

RELEASED FOR CONSTRUCTION  
ACI/BOLAND, Inc  
P. LINDSAY ROBERTSON  
NUMBER  
FE-2302016725  
04/07/2023

P. Lindsay Robertson - RPE  
2002016725  
04/07/2023

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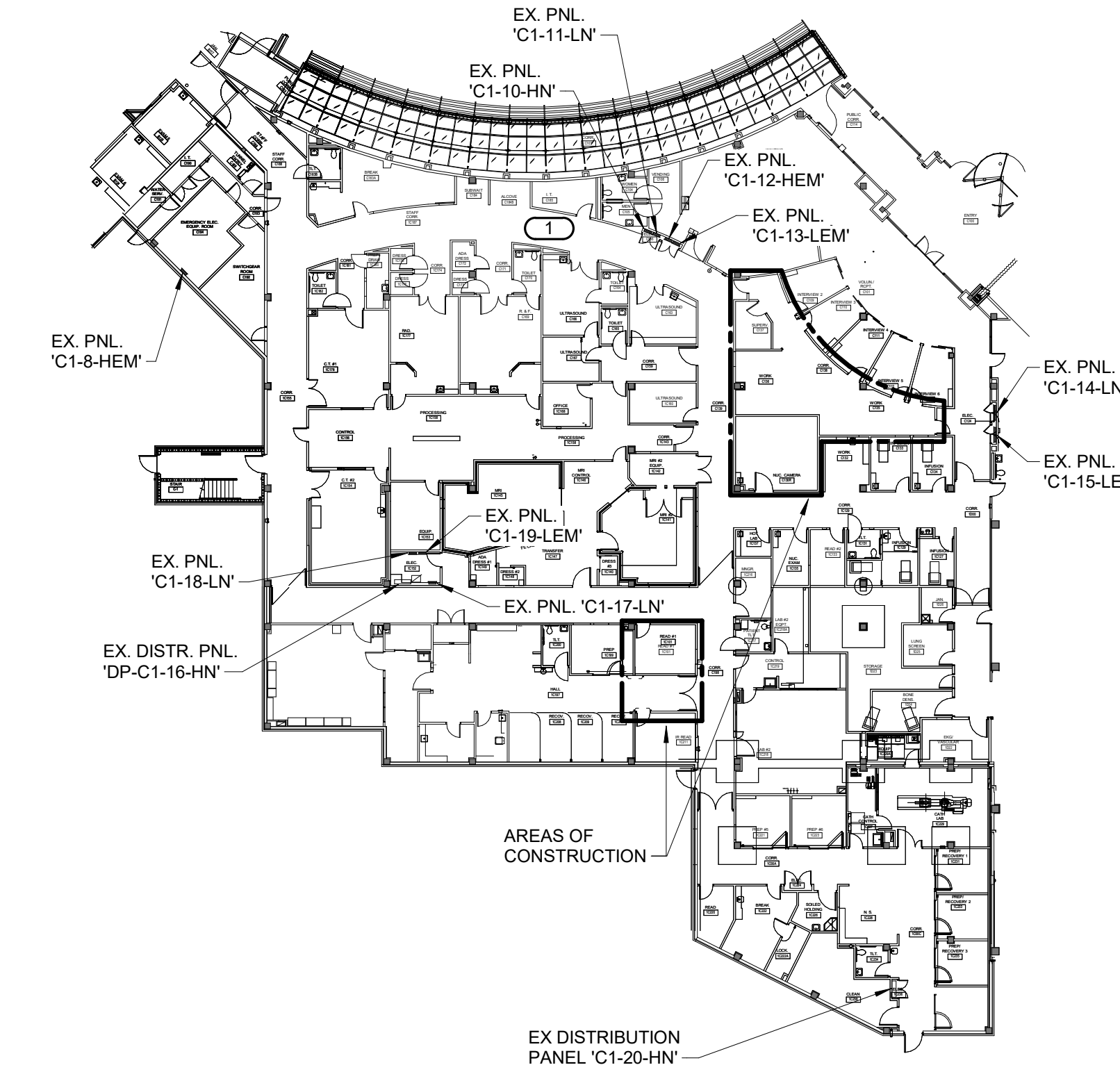
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Licensee's Certificate of Authority Number:

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



**KEY PLAN**  
1" = 30'-0"

- 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, 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 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. SPEC'A Q3. SCANNER ROOM." FILE NAME #M105-000.881.01.02.02 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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