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Vendor Drawings - HillRom Nurse Call

1 OF 1	2ND FLOOR PACU/SURGERY ADDITION
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Vendor Drawings - Styker O.R.

TITLE	COVER SHEET
R-ORA	EQUIPMENT LAYOUT - OPERATING ROOM A
R-ORB	EQUIPMENT LAYOUT - OPERATING ROOM B
R-ORC	EQUIPMENT LAYOUT - OPERATING ROOM C
R-ORN	EQUIPMENT LAYOUT - OPERATING ROOM N
R-ORL	EQUIPMENT LAYOUT - OPERATING ROOM L
P-1	PRE-INSTALL NOTES
P-2	PRE-INSTALL NOTES

Vendor Drawings - Styker Hybrid O.R.

TITLE HYBRID	COVER SHEET
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P-1 HYBRID	PRE-INSTALL NOTES
P-2 HYBRID	PRE-INSTALL NOTES
P-3 HYBRID	PRE-INSTALL NOTES

Vendor Drawings - Healthcare Technologies

CVR	ACCUMOUNT SUPPORT SYSTEM COVER
SKLO.OR.A	ACCUMOUNT SUPPORT SYSTEM OR A
SKLO.OR.B	ACCUMOUNT SUPPORT SYSTEM OR B
SKLO.OR.C	ACCUMOUNT SUPPORT SYSTEM OR C
SKLO.OR.L	ACCUMOUNT SUPPORT SYSTEM OR L
SKLO.OR.N	ACCUMOUNT SUPPORT SYSTEM OR N
SKLO.OR.Q	ACCUMOUNT SUPPORT SYSTEM OR Q
S.1	ACCUMOUNT SUPPORT SYSTEM SECTION
S.2	ACCUMOUNT SUPPORT SYSTEM SECTION
S.3	ACCUMOUNT SUPPORT SYSTEM SECTION
S.4	ACCUMOUNT SUPPORT SYSTEM SECTION
S.5	ACCUMOUNT SUPPORT SYSTEM SECTION

Vendor Drawings - ORI

PAV.A	SECOND FLOOR - OR
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Vendor Drawings - HillRom Head Walls

1 OF 8	COVER SHEET
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1 OF 2	COVER
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PAVILION A - SURGERY PHASE 1-3A RECORD DRAWINGS

20 AUGUST 2018

PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

ARTEKNA DESIGN
OFFICE OF ARCHITECTURE, P.C.
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CMTA CONSULTING ENGINEERS
MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ENGINEERS

CRIFE
EQUIPMENT PLANNING

LYNCH, HARRISON & BRUMLEVE, INC.
STRUCTURAL ENGINEERS

TURNER CONSTRUCTION COMPANY
CONSTRUCTION MANAGER

CODE INFORMATION

GOVERNING REGULATIONS

KENTUCKY BUILDING CODE	KBC - 2013 EDITION
INTERNATIONAL BUILDING CODE	IBC - 2012
ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	2009 ICC/ANSI A117.1
KENTUCKY ADMINISTRATIVE REGULATIONS: FACILITY SPECIFICATIONS: HOSPITALS	902 KAR 20.009
AIA GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTHCARE FACILITIES	AIAG 2006
NATIONAL FIRE PROTECTION ASSOCIATION LIFE SAFETY CODE	NFPA - 101 - 2012

PROJECT DESCRIPTION

THIS PROJECT ENCOMPASSES THE FOLLOWING:
• THE BUILD-OUT OF ~27,144 SF OF EXISTING SHELL SPACE ON THE SECOND FLOOR OF PAVILION A IN THE UK ALBERT B. CHANDLER HOSPITAL AT THE UNIVERSITY OF KENTUCKY IN LEXINGTON, KENTUCKY TO CREATE 5 NEW OPERATING ROOMS, ONE HYBRID OPERATING ROOM AND 35 PRE/POST PACU ROOMS, FOR THE SURGERY DEPARTMENT.

BUILDING CLASSIFICATIONS

FIRE PROTECTION, DETECTION, AND ALARM SYSTEMS

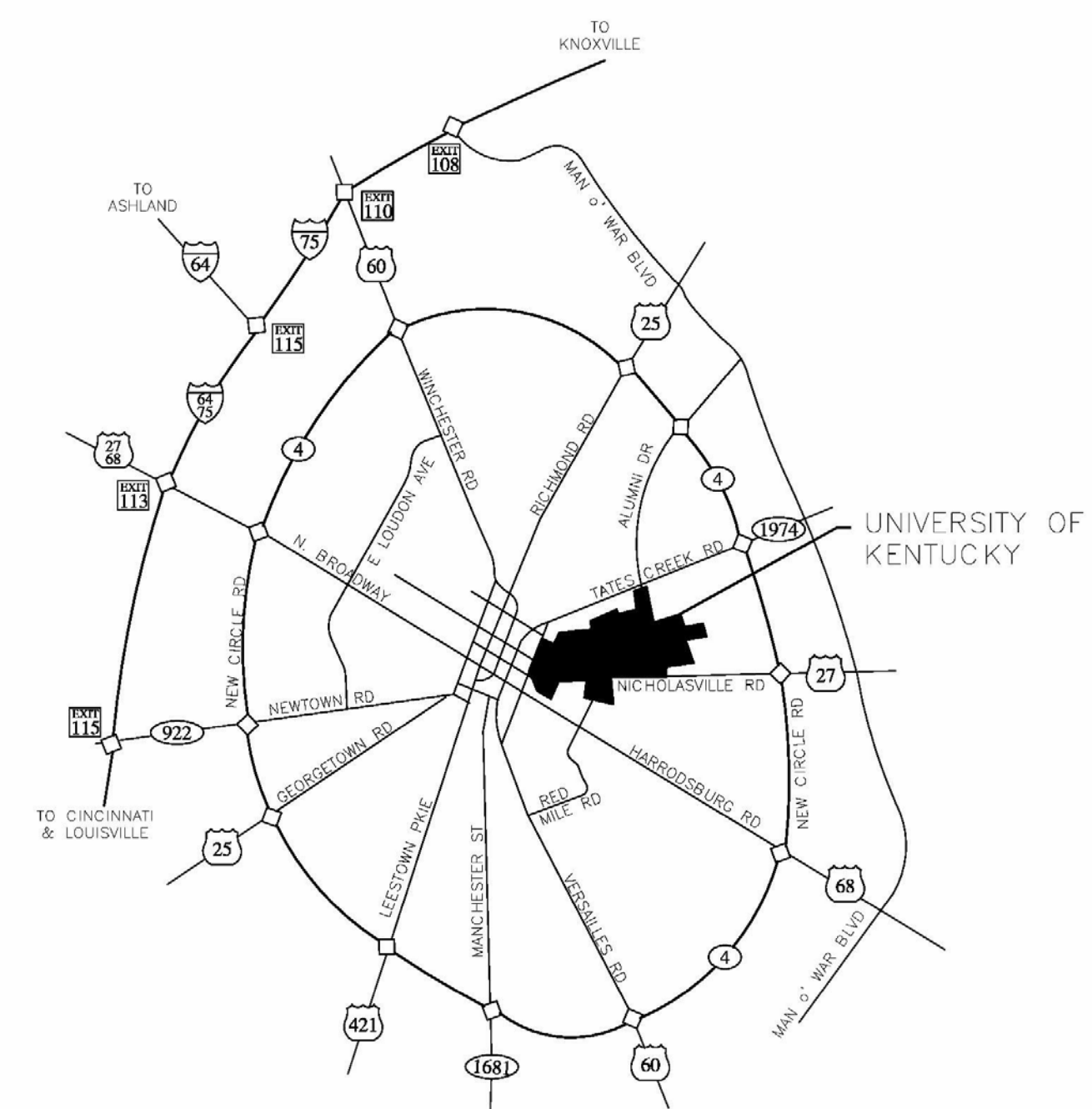
ALL CODE ANALYSIS IS BASED UPON WORK WITHIN A FACILITY WHICH IS FULLY PROTECTED BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM AND AN APPROVED FIRE ALARM SYSTEM.

USE GROUPS/OCCUPANCIES

KBC	NFPA - 101
I-2 (INSTITUTIONAL-INCAPACITATED)	NEW HEALTHCARE
(SECTION 308.3 AND 407)	(CHAPTER 18)

TYPE OF CONSTRUCTION

KBC	NFPA - 101
TYPE 1-A (NON-COMBUSTIBLE, PROTECTED)	TYPE I (332) (NON-COMBUSTIBLE, PROTECTED)
(SECTION 602.2)	TABLE 8.1.6.2



SITE LOCATION MAP
LEXINGTON, KENTUCKY
NOT TO SCALE



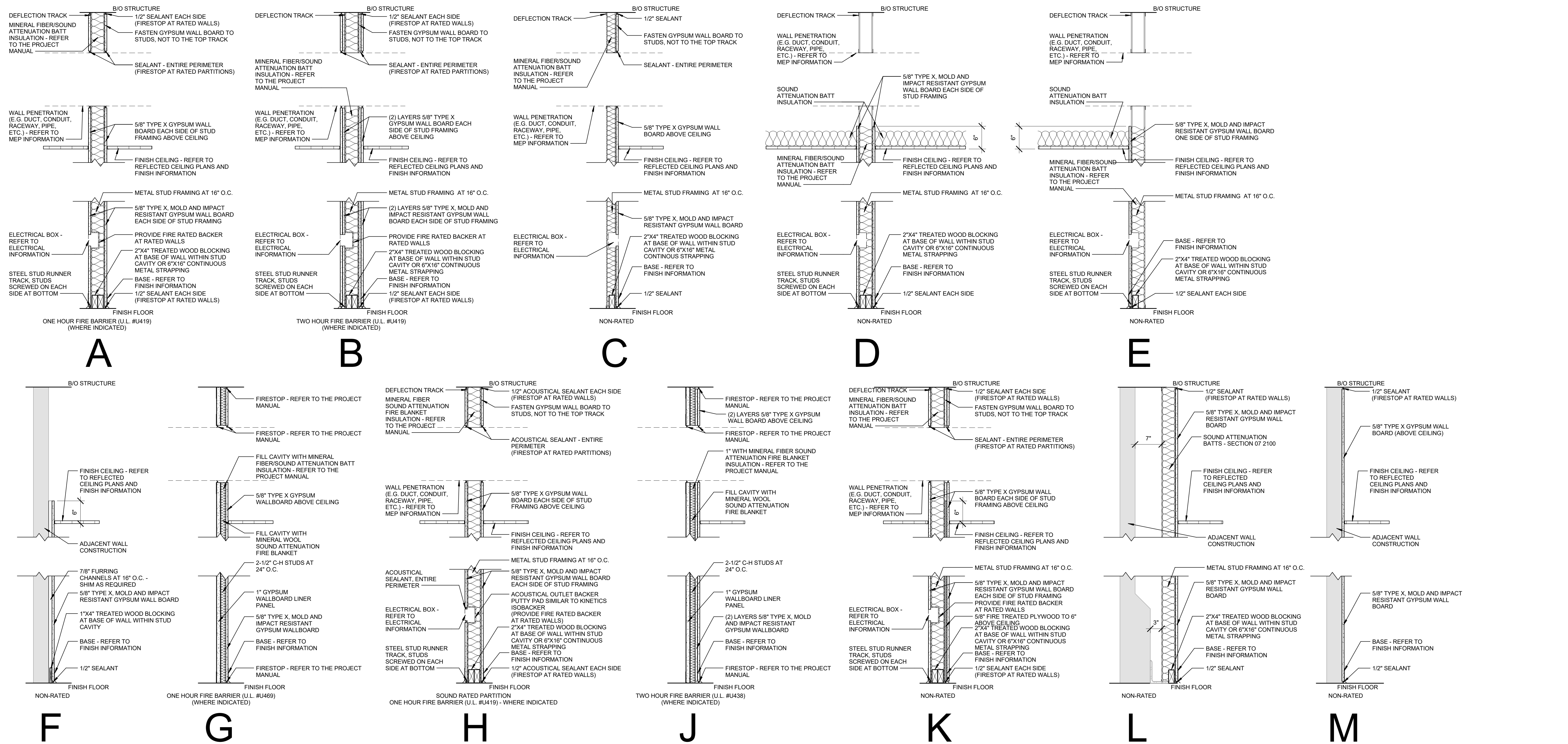
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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Date: 20 AUGUST 2018
Scale: 1/2" = 1'-0"
Drawn by: ERG
Project #: 23801
Revisions:

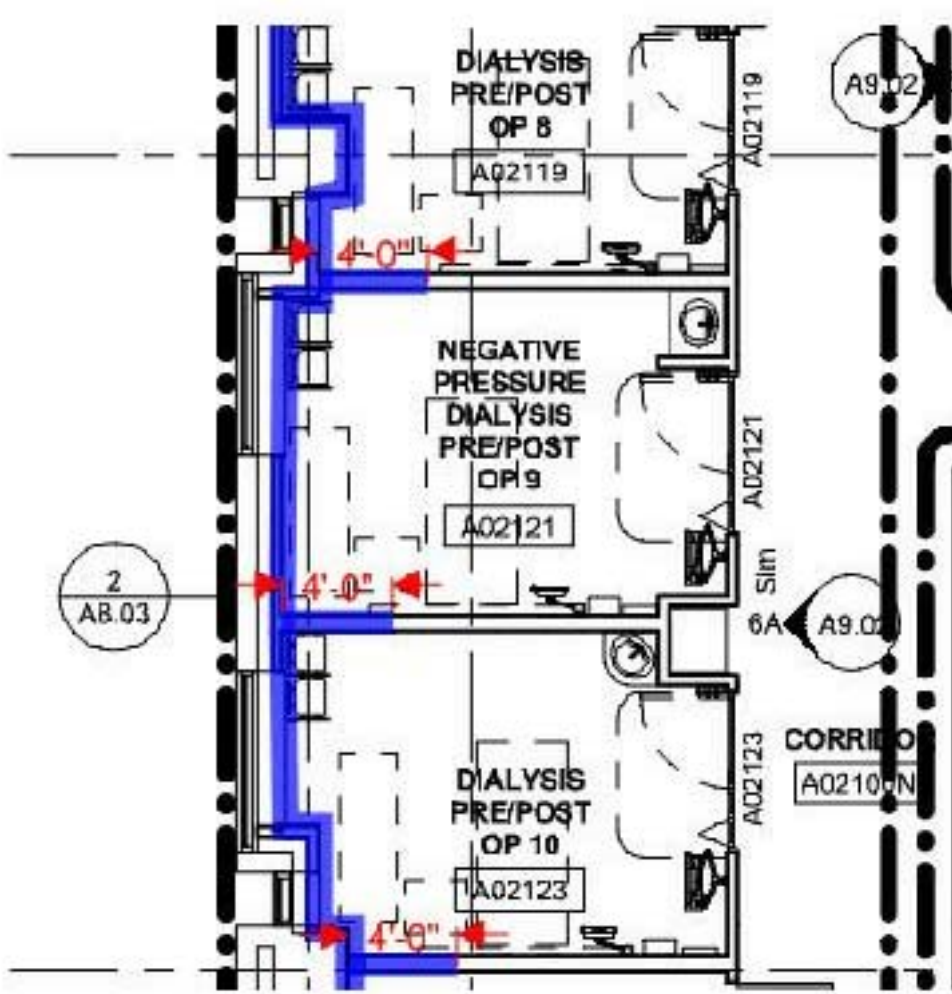
WALL TYPES LEGEND

SCALE: 1" = 1'-0"
NOTE: NOT ALL WALL TYPES MAY BE USED.



TYPICAL EXTERIOR WALL DETAIL

ALL GYPSUM BOARD RUNNING PERPENDICULAR TO AN EXTERIOR WALL SHALL BE MOLD AND IMPACT RESISTANT FULL HEIGHT, 4'-0" FROM THE EXTERIOR WALL.
BLUE LINES INDICATE MOLD AND IMPACT RESISTANT GYPSUM BOARD, TYPICAL INSTALLATION.



WALL SUFFIX LEGEND

- 2-1/2" METAL STUD FRAMING
- 3-5/8" METAL STUD FRAMING
- 6" METAL STUD FRAMING
- 8" METAL STUD FRAMING

WALL RATINGS LEGEND

NEW		EXISTING - ASSUMED CONSTRUCTION	
1 HOUR FIRE BARRIER		1 HOUR FIRE BARRIER	
1 HOUR FIRE RATED SMOKE BARRIER		1 HOUR FIRE RATED SMOKE BARRIER	
2 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER	
2 HOUR FIRE RATED SMOKE BARRIER		2 HOUR FIRE RATED SMOKE BARRIER	
3 HOUR FIRE WALL		3 HOUR FIRE WALL	
NON-RATED SMOKE PARTITION		NON-RATED SMOKE PARTITION	

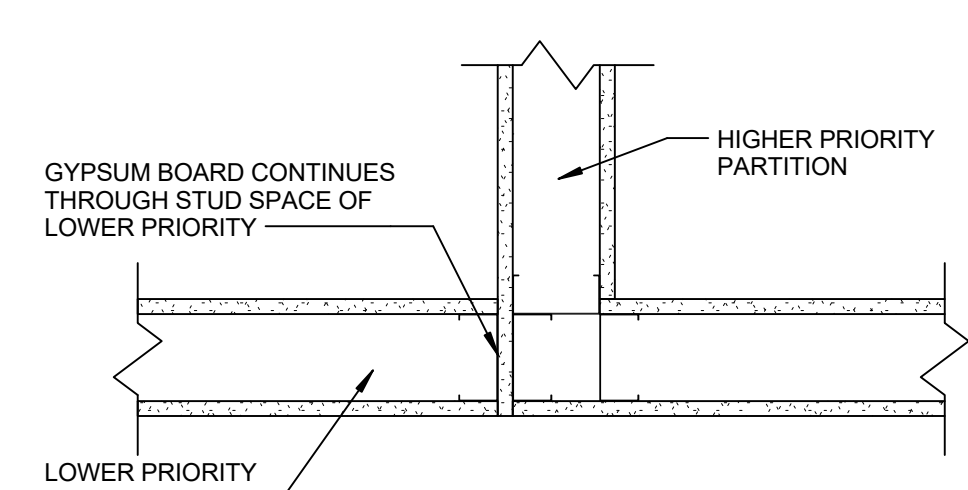
ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTINGS AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEET L1.01 FOR WALL/PARTITION DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.

WALL PRIORITY LEGEND

PARTITION FIRE RATING	PRIORITY
3 HOUR FIRE WALL	1
2 HOUR FIRE BARRIER	2
1 HOUR FIRE BARRIER	3
SMOKE PARTITION	4
SOUND RATED PARTITION	5
NON-RATED PARTITION	6

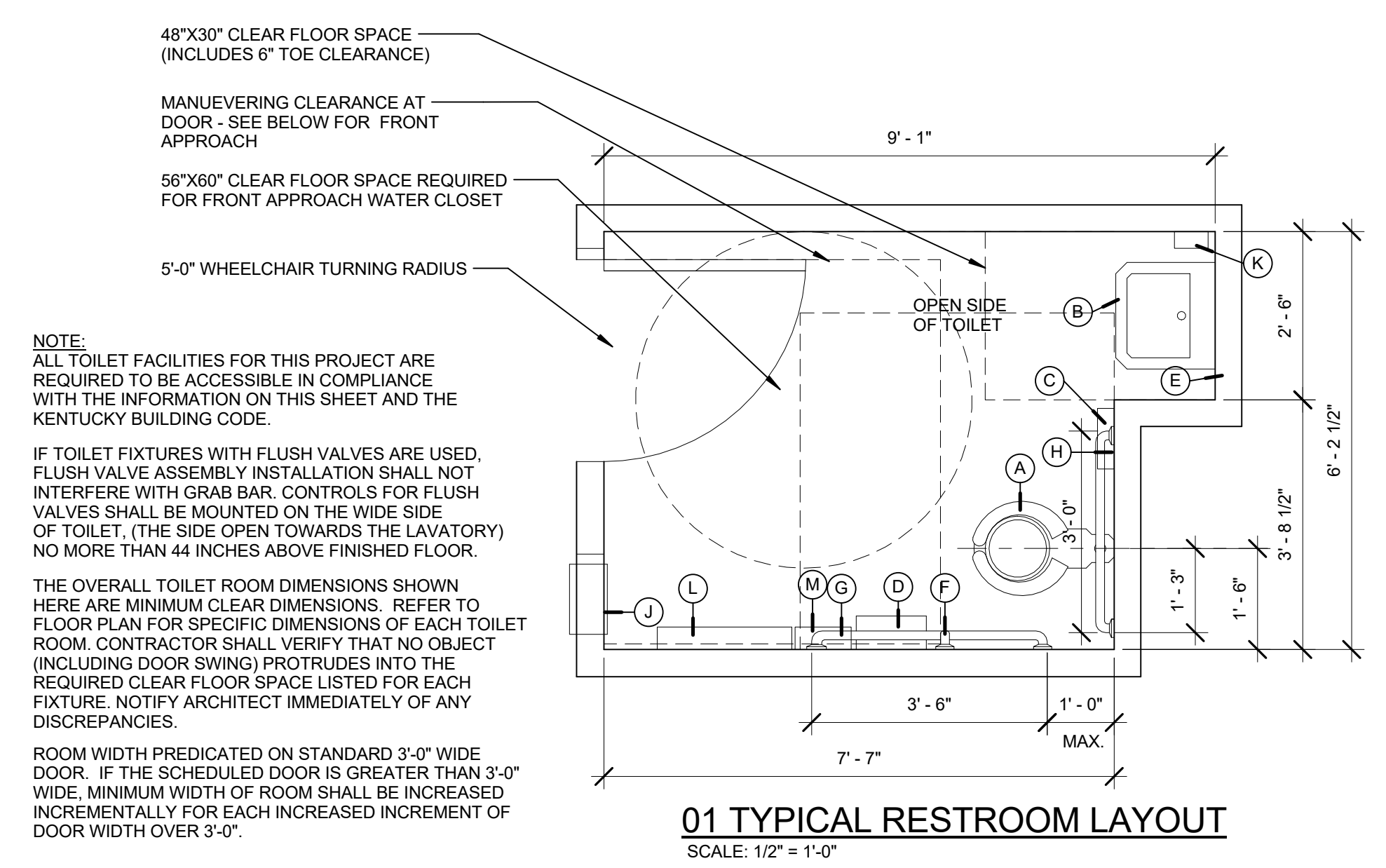
WALL PRIORITY DIAGRAM



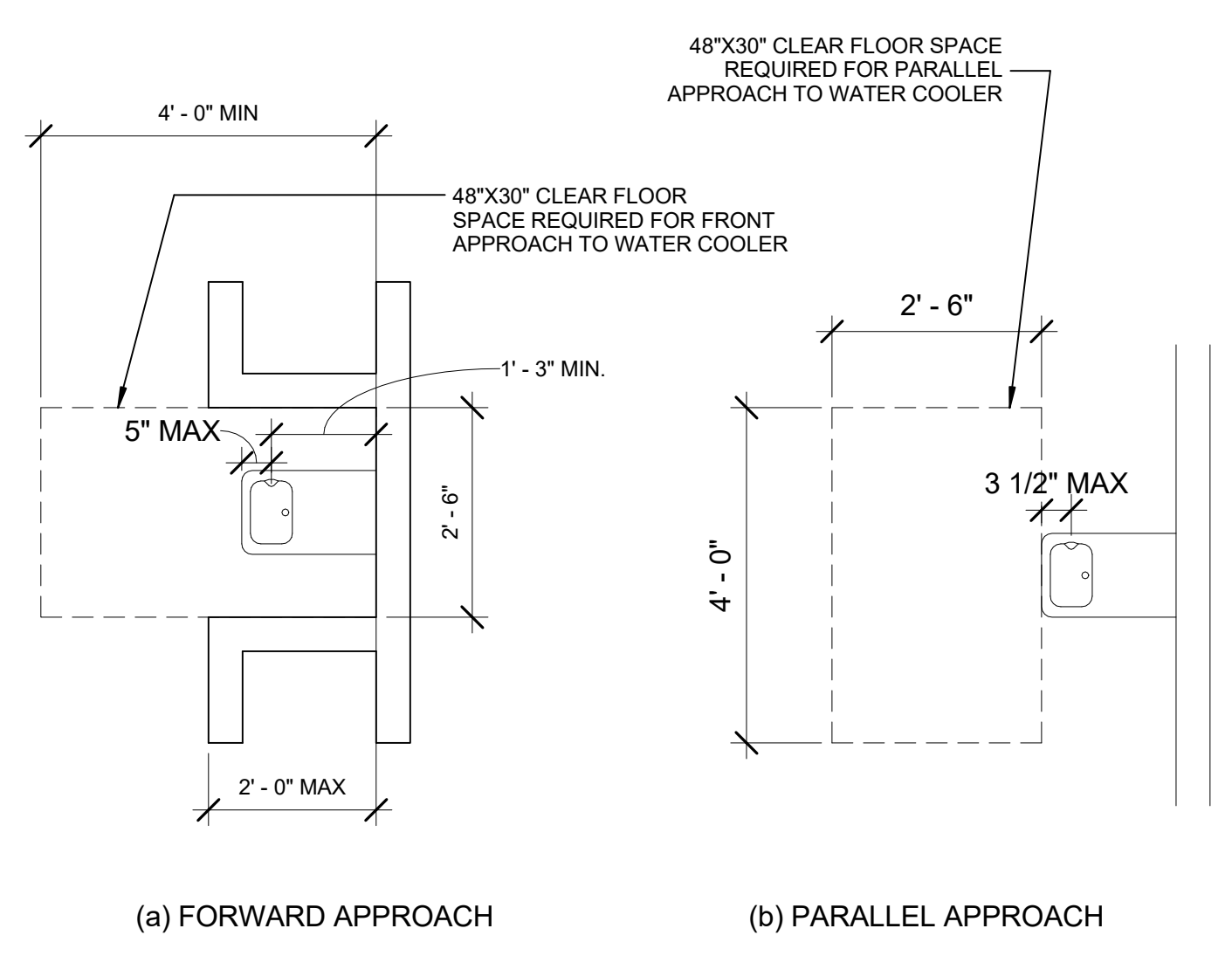
ROOM FINISH SCHEDULE													
NUMBE R	ROOM NAME	FLOOR	BASE	WALLS				CEILING				NOTES	
				N	S	E	W	MATL	HEIGHT				
A021004	LINEN CHUTE	VT-2	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021005	CORRIDOR	VT-2VT-3	VB-1	--	--	PT-3	PT-4	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021006	CORRIDOR	VT-2VT-3	VB-1	--	--	PT-4	PT-3	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021007	CORRIDOR	VT-1	VB-1	--	--	PT-3	PT-3	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021008	CORRIDOR	VT-1VT-2	VB-1	PT-3	PT-3PT-4	--	--	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021009	CORRIDOR	VT-1VT-2	VB-1	PT-3	PT-3PT-4	--	--	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021010	CORRIDOR	VT-1VT-2	VB-1	PT-3	PT-3PT-4	--	--	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021011	CORRIDOR	VT-1VT-2	VB-1	PT-3	PT-3PT-4	--	--	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021012	PATIENT TOILET	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021013	PREPOST OP 5	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021014	CLEAN SUPPLY	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				WALL PROTECTION TO 4'-11" AFF
A021015	PREPOST OP 4	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021016	PREPOST OP 3	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021017	NURSE STATION	VT-4	VB-1	--	PT-5	--	PT-4PT-5	AM3	9'-0"				CHAIR RAIL
A021018	PREPOST OP 2	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021019	PATIENT TOILET	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021020	PREPOST OP 1	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021021	SOILED	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				WALL PROTECTION TO 4'-11" AFF
A021022	STAFF TOILET	CT-1	CT-1	CT-1PT-3	CT-2PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021023	PREPOST OP 12	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021024	PREPOST OP 11	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021025	RESP STORAGE	VT-2	VB-1	PT-3	PT-3	PT-3	PT-3	AM2	9'-0"				WALL PROTECTION TO 4'-11" AFF
A021026	NURSE STATION	VT-4	VB-1	PT-4PT-5	--	PT-5	--	AM3	9'-0"				CHAIR RAIL
A021027	DIALYSIS PREPOST OP	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021028	PREPOST OP 17	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021029	DIALYSIS PREPOST OP	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021030	PREPOST OP 16	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021031	PREPOST OP 16	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021032	PREPOST OP 15	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021033	DIALYSIS PREPOST OP	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021034	PREPOST OP 14	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021035	PREPOST OP 11	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021036	PREPOST OP 10	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021037	PREPOST OP 13	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021038	PREPOST OP 13	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021039	PREPOST OP 13	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021040	PREPOST OP 15	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021041	DIALYSIS PREPOST OP	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021042	DIALYSIS PREPOST OP	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021043	PREPOST OP 23	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021044	PREPOST OP 29	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021045	PREPOST OP 29	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021046	PREPOST OP 24	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021047	PREPOST OP 25	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021048	PREPOST OP 25	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021049	PREPOST OP 31	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021050	PREPOST OP 32	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021051	PATIENT TOILET	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021052	PREPOST OP 33	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-4	AM3	9'-0"				CHAIR RAIL
A021053	CLEAN SUPPLY	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				WALL PROTECTION TO 4'-11" AFF
A021054	PREPOST OP 34	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021055	NURSE STATION	VT-4	VB-1	--	PT-5	--	PT-4PT-5	AM3	9'-0"				CHAIR RAIL
A021056	PREPOST OP 35	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021057	PREPOST OP 32	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021058	PATIENT TOILET	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-1PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021059	PREPOST OP 33	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021060	CLEAN SUPPLY	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				WALL PROTECTION TO 4'-11" AFF
A021061	PREPOST OP 34	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021062	NURSE STATION	VT-4	VB-1	--	PT-5	--	PT-4PT-5	AM3	9'-0"				CHAIR RAIL
A021063	PREPOST OP 35	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021064	PREPOST OP 36	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021065	PATIENT TOILET	CT-1	CT-1	CT-1PT-3	CT-2PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021066	PREPOST OP 28	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021067	SOILED	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				WALL PROTECTION TO 4'-11" AFF
A021068	PREPOST OP 27	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-3	PT-3	AM3	9'-0"				CHAIR RAIL
A021069	PREPOST OP 26	VT-1VT-2VT-3	VB-1	PT-3	PT-3	PT-4	PT-3	AM3	9'-0"				CHAIR RAIL
A021070	COORDINATOR OFFICE	VT-1	VB-1	PT-3	PT-3	PT-3	PT-3	AM2	9'-0"				CHAIR RAIL
A021071	STAFF TOILET	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A021072	ALCOVE	VT-1	VB-1	PT-3	PT-3	PT-3	PT-3	GYP	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021073	NEGATIVE PRESSURE PREPOST OP 20	VT-1VT-2VT-3	VB-1	PT-3	PT-4	PT-3	PT-3	AM1	9'-0"				CHAIR RAIL
A021074	NEGATIVE PRESSURE PREPOST OP 18	VT-1VT-2VT-3	VB-1	PT-3	PT-4	PT-3	PT-3	AM1	9'-0"				CHAIR RAIL
A021075	NEGATIVE PRESSURE PREPOST OP 19	VT-1VT-2VT-3	VB-1	PT-3	PT-4	PT-3	PT-3	AM1	9'-0"				CHAIR RAIL
A021076	EQUIPMENT ALCOVE	VT-2	VB-1	--	PT-3	PT-3	PT-3	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A021077	EVS CLOSET	VCT-1	VB-1	PT-3	PT-3	PT-3	PT-3	AM2	9'-0"				WALL PROTECTION TO 4'-6" AFF
A021078	EVS CLOSET	VCT-1	VB-1	PT-3	PT-3	PT-3	PT-3	AM2	9'-0"				WALL PROTECTION TO 4'-6" AFF
A02300N1	CORRIDOR	VT-1	VB-1	PT-3	PT-4	--	PT-3	AM3	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A02300N2	CORRIDOR	SV-1SV-5	SB	PT-3	PT-3	PT-3	PT-3	AM1	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A02300S	CORRIDOR	SV-1SV-2	SB	PT-3	PT-3	PT-3	PT-3	AM1	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A02300W1	CORRIDOR	SV-1SV-2	SB	PT-3	PT-3	PT-3	PT-3	AM1	9'-0"				CRASH RAILS WITH SOLID SURFACE BETWEEN
A02301	CENTRAL CORE	SV-1SV-2SV-3	SB	WP/PT-2	WP/PT-2	WP/PT-2	WP/PT-2	AM1	9'-0"				WALL PROTECTION TO 4'-6" AFF
A02302	OPERATING ROOM	SV-1SV-2**	SB	WP/PT-1	WP/PT-1	WP/PT-1	WP/PT-1	GYP	10'-0"				WALL PROTECTION TO 7'-0" AFF
A02303	OPERATING ROOM	SV-1SV-2**	SB	WP/PT-1	WP/PT-1	WP/PT-1	WP/PT-1	GYP	10'-0"				WALL PROTECTION TO 7'-0" AFF
A02311	OPERATING ROOM	SV-1SV-2**	SB	WP/PT-1	WP/PT-1	WP/PT-1	WP/PT-1	GYP	10'-0"				WALL PROTECTION TO 7'-0" AFF
A02312	OPERATING ROOM	SV-1SV-2**	SB	WP/PT-1	WP/PT-1	WP/PT-1	WP/PT-1	GYP	10'-0"				WALL PROTECTION TO 7'-0" AFF
A02315	PERFUSION PUMP ROOM	SV-1	SB	WP/PT-2	WP/PT-2	WP/PT-2	WP/PT-2	AM1	9'-0"				WALL PROTECTION TO 4'-11" AFF
A02317	OPERATING ROOM	SV-1SV-2**	SB	WP/PT-1	WP/PT-1	WP/PT-1	WP/PT-1	GYP	10'-0"				WALL PROTECTION TO 7'-0" AFF
A02319	OPERATING ROOM - HYBRID	SV-1SV-4**	SB	WP/PT-1	WP/PT-1	WP/PT-1	WP/PT-1	GYP	10'-6"				WALL PROTECTION TO 7'-0" AFF
A02319A	HYBRID CONTROL ROOM	SV-1	SB	PT-2	PT-2	PT-2	PT-2	AM1	9'-6"				
A02321	STAFF TOILET	CT-1	CT-1	CT-2PT-3	CT-1PT-3	CT-2PT-3	CT-2PT-3	AM1	9'-0"				CERAMIC TILE TO 7'-2" AFF
A02322	STAFF LOUNGE	VT-2VT-3	VB-1	PT-3	PT-4	PT-3	PT-3	AM2	9'-0"				CHAIR RAIL
A02323A	LOCKERS	VT-2	VB-1	PT-3	PT-3	PT-3	PT-3	AM2	9'-0"				CHAIR RAIL
A02323</													

KEY - SPECIFICATION SECTION 10 80 00	
(A)	TOILET
(B)	VANITY TOP WITH SOLID SURFACE INTEGRAL BOWL SINK AND PLASTIC LAMINATE COVER BELOW
(C)	PAPER TOWEL DISPENSER OR HAND DRYER
(D)	TOILET PAPER DISPENSER
(E)	PLATE GLASS MIRROR
(F)	GRAB BAR - (VERTICAL/SIDE OF TOILET)
(G)	GRAB BAR - (HORIZONTAL/SIDE OF TOILET)
(H)	GRAB BAR - (HORIZONTAL/REAR OF TOILET)
(J)	SPECIMEN PASS THRU
(K)	SOAP DISPENSER
(L)	DIAPER CHANGING STATION
(M)	SANITARY NAPKIN DISPOSAL

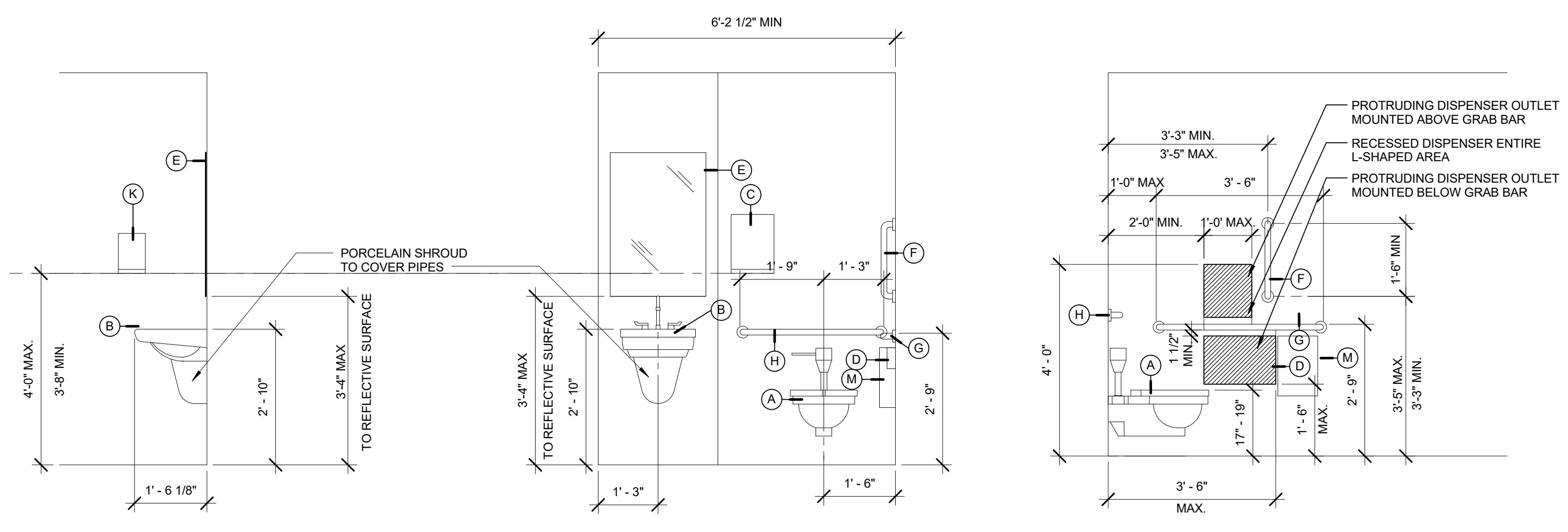
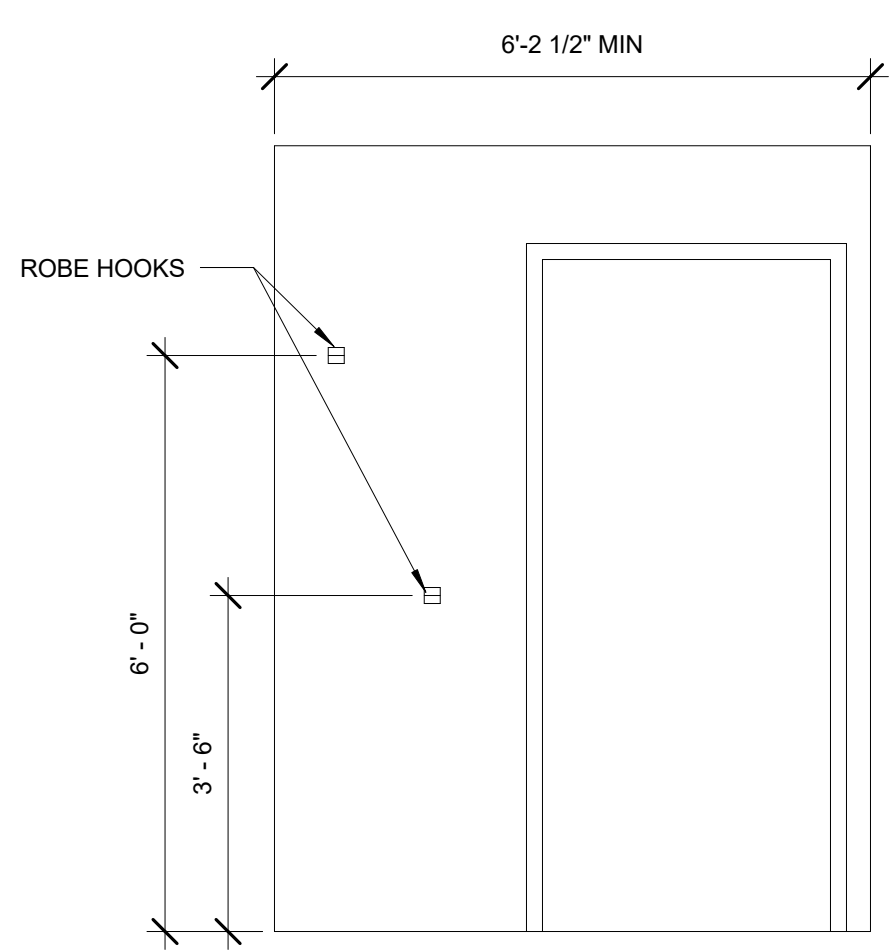
NOTE: ALL TOILET ROOM ACCESSORIES SHALL COMPLY WITH ICC/ANSI A117.1-2003. REFER TO MEP DOCUMENTS FOR PLUMBING FIXTURE SPECIFICATIONS.



01 TYPICAL RESTROOM LAYOUT
SCALE: 1/2" = 1'-0"



05 WATER COOLER CLEARANCES
SCALE: 1/2" = 1'-0"



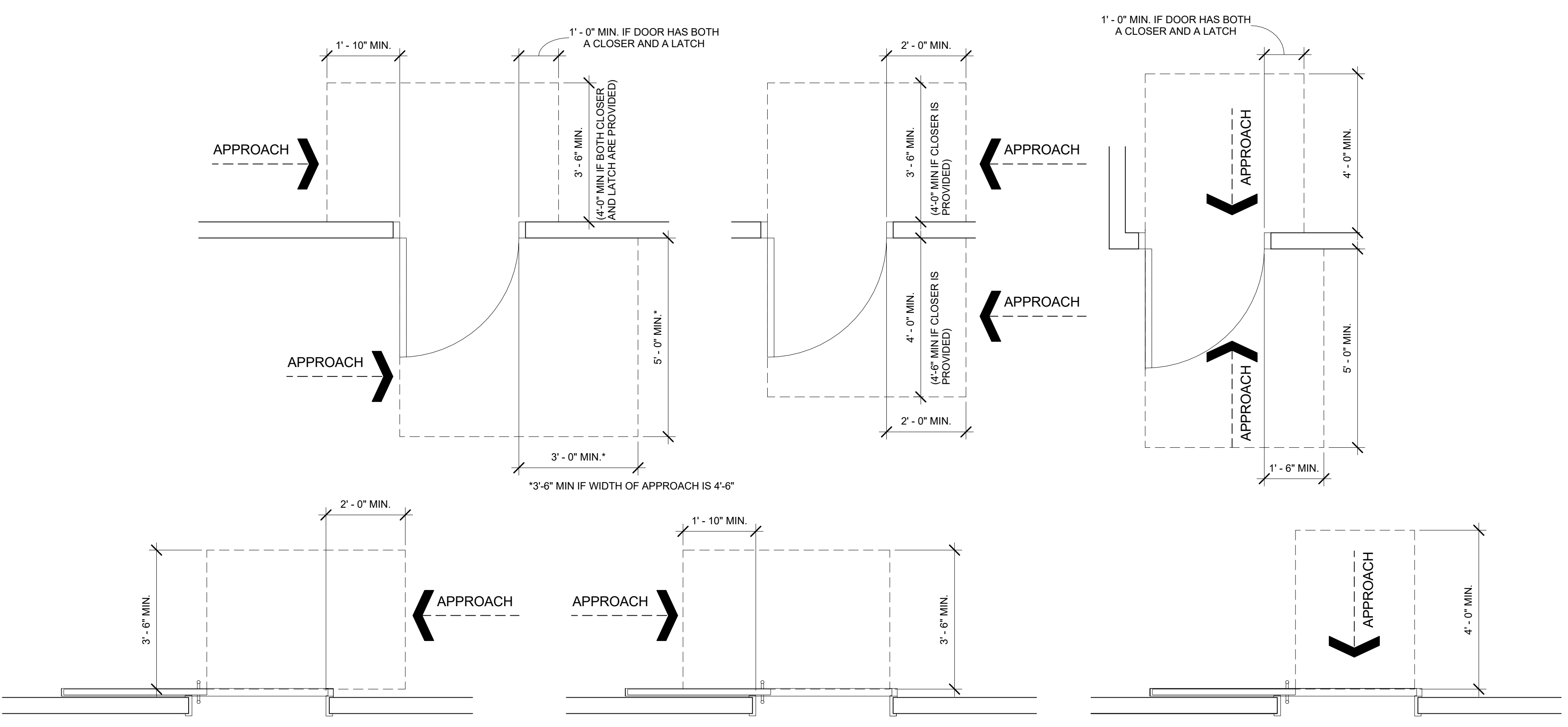
02 STANDARD TOILET ROOM HEIGHTS
SCALE: 1/2" = 1'-0"

GENERAL ACCESSORY NOTES

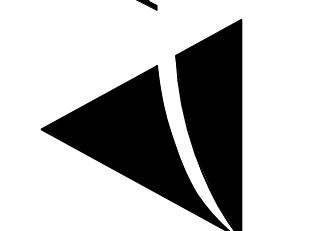
- ANCHOR ALL ACCESSORIES RIGIDLY AND SECURELY INTO PLACE SO THAT ACCESSORIES ARE LEVEL, PLUMB, AND TRUE-TOLINE. ANCHORAGE OF ALL ACCESSORIES SHALL BE IN CONCEALED BLOCKING. FIT ACCESSORIES TIGHTLY TO SURFACES TO WHICH THEY ARE ATTACHED. USE MOUNTAIN TECHNIQUES IN ACCORDANCE WITH THE ACCESSORIES MANUFACTURER'S WRITTEN INSTRUCTIONS. CONCEAL ANCHORAGE WHEREVER POSSIBLE. WHERE ANCHORAGE WILL BE EXPOSED IN THE COMPLETED WORK, USE ANCHORS HAVING THEFT-PROOF HEADS AND FINISHES TO MATCH ACCESSORY.
- MOUNT ALL GRAB BARS USING MOUNTING TECHNIQUES IN ACCORDANCE WITH THE GRAB BAR MANUFACTURER'S WRITTEN INSTRUCTIONS. LOADS SUPERIMPOSED ON THE BARS SHALL BE TRANSMITTED DIRECTLY TO THE MOUNTING DEVICES WITHOUT APPLYING LOADS TO THE WALL FINISH MATERIALS.
- CLEAN ALL FIXTURES UPON COMPLETION OF THE WORK AND POLISH ALL SURFACES TO HIGH SHINE. DEMONSTRATE OPERATION TO OWNER'S REPRESENTATIVE.
- ALL TOILET FIXTURES AND ACCESSORIES SHALL MEET THE REQUIREMENTS OF AND BE MOUNTED IN COMPLIANCE WITH THE HANDICAPPED ACCESSIBILITY CODE.

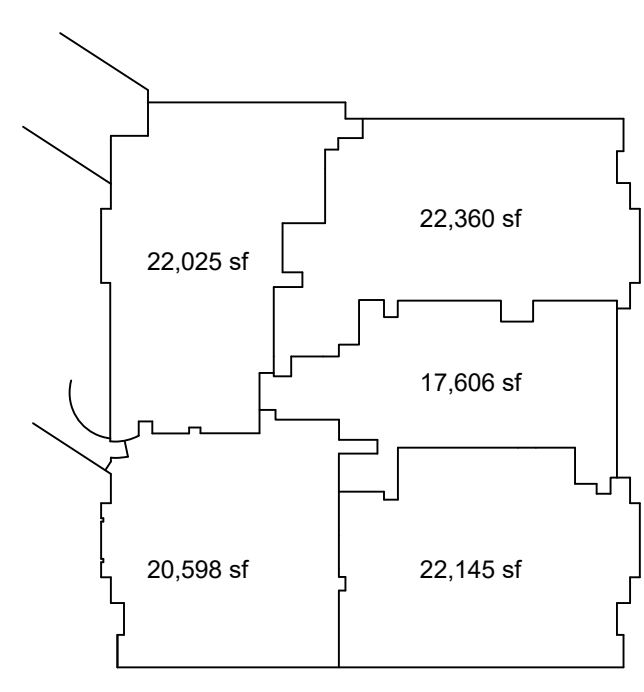
ACCESSORY SCHEDULE
SPECIFICATION SECTION 10 80 00

- | | |
|-----|--|
| (A) | 1. CFCI - GRAB BAR - 18" |
| | 2. CFCI - GRAB BAR - 36" |
| | 3. CFCI - GRAB BAR - 42" |
| | 4. OFCI - TOILET PAPER DISPENSER |
| | 5. OFCI - SURFACE MOUNTED SOAP DISPENSER |
| | 6. CFCI - 24"X36" FRAMED MIRROR |
| | 7. OFCI - PAPER TOWEL DISPENSER |
| | 8. CFCI - SANITARY NAPKIN DISPOSAL |
| | 9. CFCI - ROBE HOOK |
| (B) | 1. OFCI - SURFACE MOUNTED SOAP DISPENSER |
| | 2. OFCI - PAPER TOWEL DISPENSER |

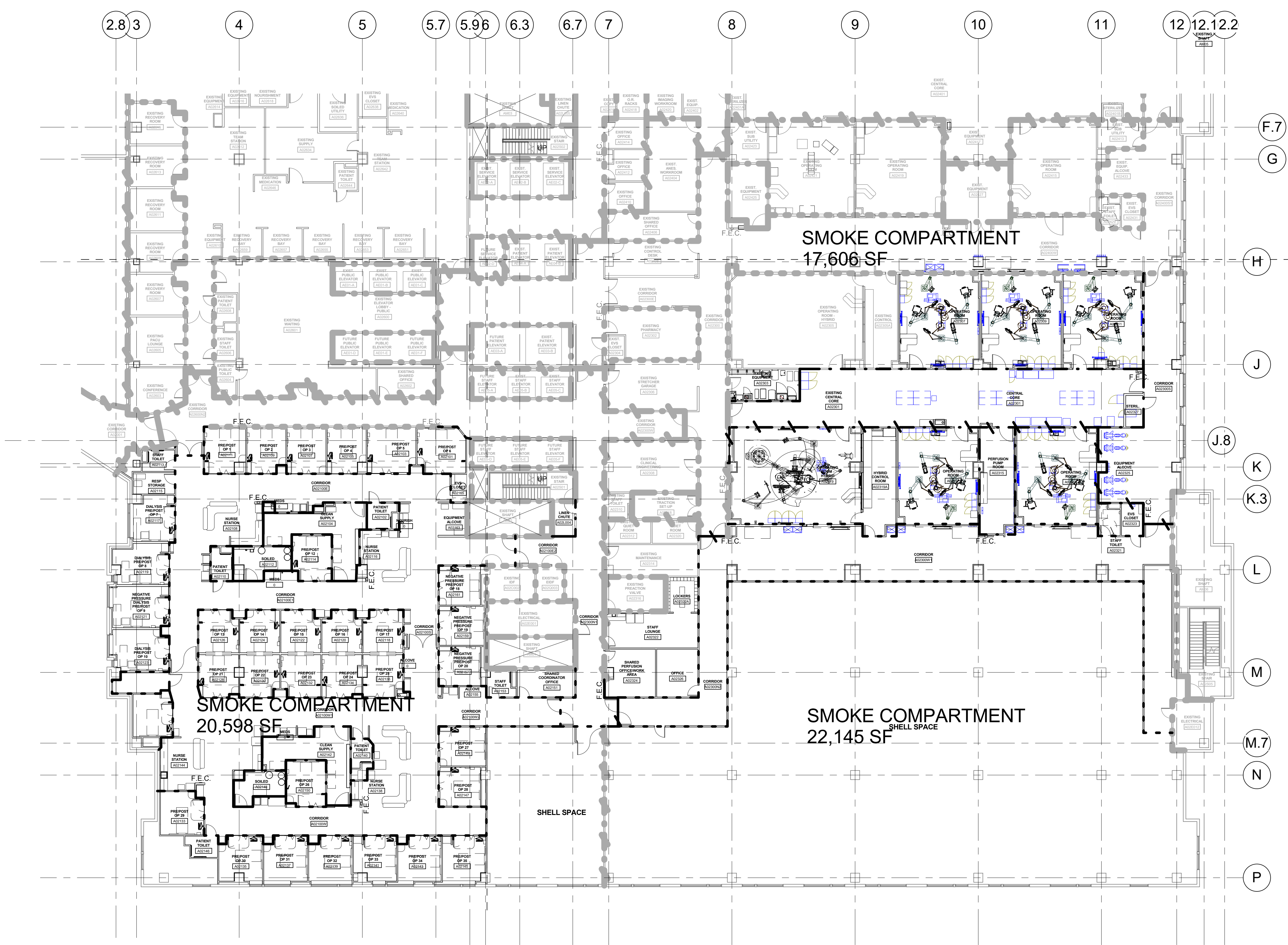


04 MANEUVERING CLEARANCE AT DOORS
SCALE: 1/2" = 1'-0"





SMOKE COMPARTMENTS



GENERAL LIFE SAFETY NOTES

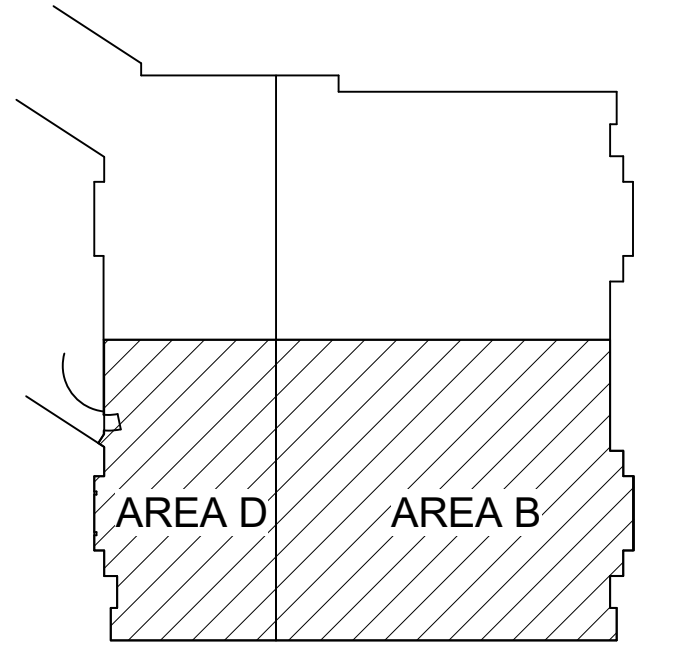
1. SPRINKLER ZONES CORRESPOND TO SMOKE COMPARTMENT ZONES.
2. RATED DOORS ALL HAVE CLOSERS AND HARDWARE THAT LATCHES EXCEPT DOUBLE EGRESS CROSS CORRIDOR SMOKE DOORS DO NOT LATCH.
3. SMOKE PARTITIONS HAVE NON-RATED DOORS BUT DOORS ARE SMOKE RESISTANT AND INCIDENTAL USE OF ROOM DOORS HAVE CLOSERS.

WALL RATINGS LEGEND

NEW		EXISTING - ASSUMED CONSTRUCTION	
1 HOUR FIRE BARRIER		1 HOUR FIRE BARRIER	
1 HOUR FIRE RATED SMOKE BARRIER		1 HOUR FIRE RATED SMOKE BARRIER	
2 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER	
2 HOUR FIRE RATED SMOKE BARRIER		2 HOUR FIRE RATED SMOKE BARRIER	
3 HOUR FIRE WALL		3 HOUR FIRE WALL	
NON-RATED SMOKE PARTITION		NON-RATED SMOKE PARTITION	

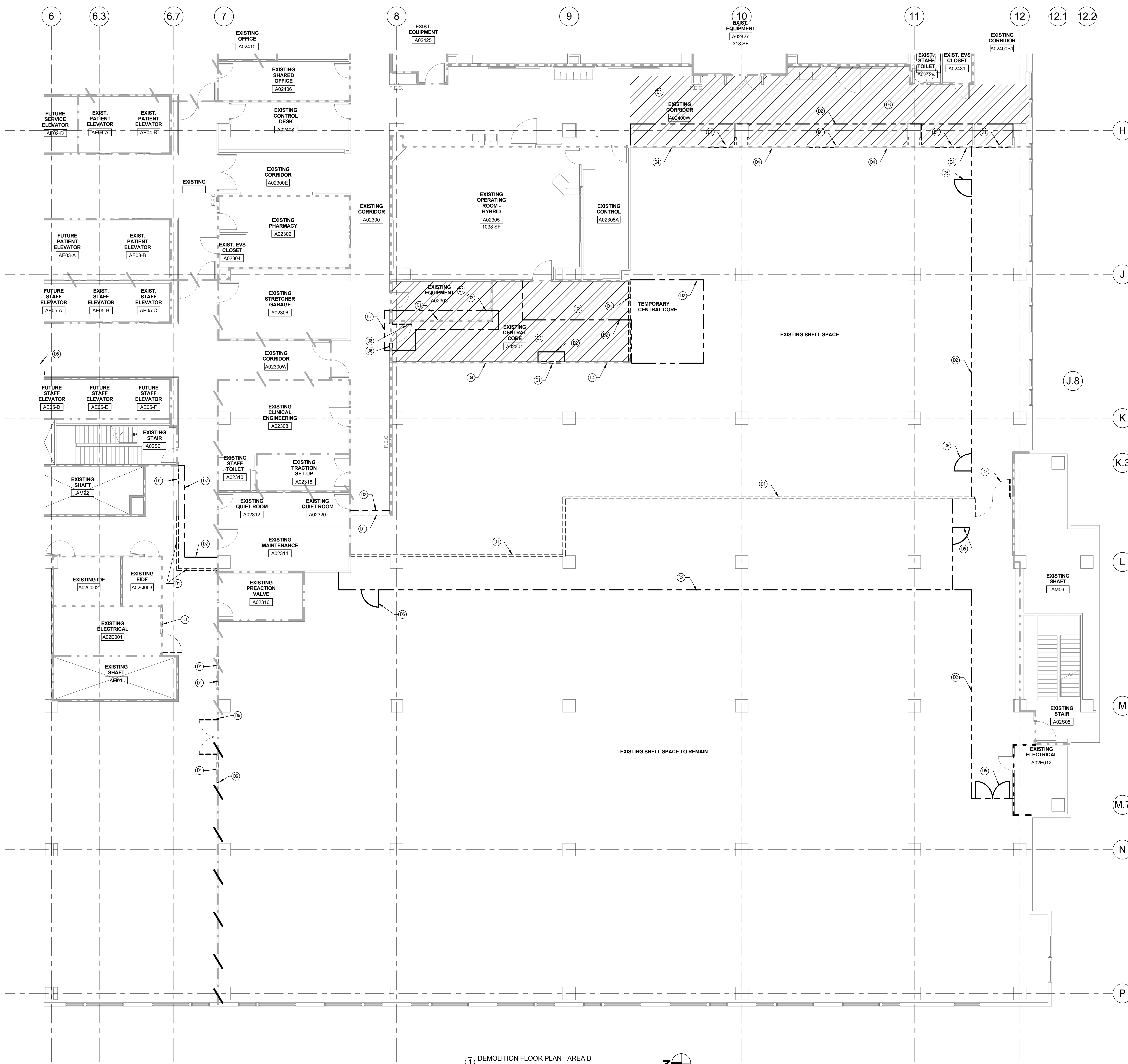
ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEET L1.01 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



KEYPLAN

1 SECOND FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"



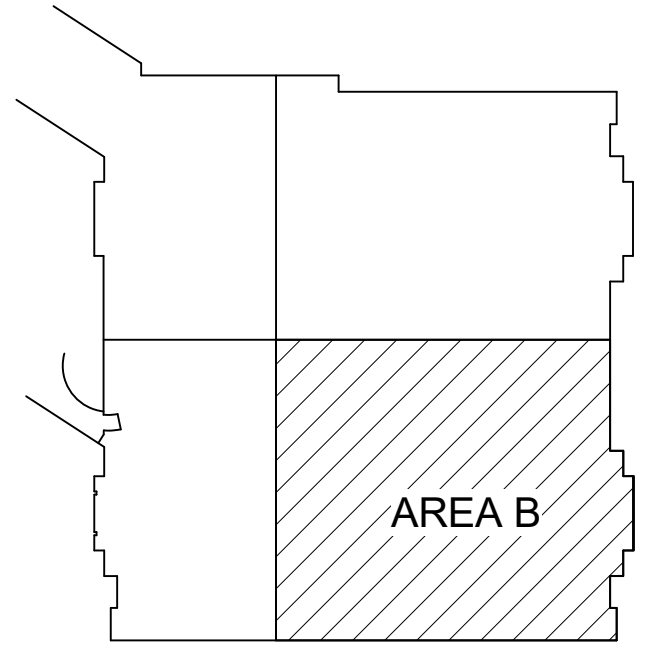
GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND SHALL BE RESPONSIBLE FOR PROJECT COMPLETION THAT IS CONSISTENT WITH THE INTENT OF THE DESIGN AND ALL APPLICABLE BUILDING CODES
2. ALL DRAWING ITEMS INDICATED ON THIS PLAN WITH HEAVY DASHED LINES AS WELL AS OUTLETS AND OTHER DEVICES ASSOCIATED WITH THESE ITEMS SHALL BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE. REMOVE RELATED MECHANICAL, ELECTRICAL, AND PLUMBING (M.E.P.) ITEMS AS REQUIRED FOR NEW CONSTRUCTION. REFER TO M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION
3. REMOVE ALL EXISTING FINISHES INCLUSIVE OF FLOORING, BASE, WALL COVERINGS AND CEILING SYSTEMS THROUGHOUT AND IN THEIR ENTIRETY AS REQUIRED FOR NEW CONSTRUCTION
4. MAKE DEMOLITION CLEAN AND COMPLETE IN A MANNER TO ACCEPT NEW FINISHES AND/OR SURFACES OR AS PER PRODUCT MANUFACTURER'S SPECIFICATIONS WHERE THOSE REQUIREMENTS ARE MORE RESTRICTIVE.
5. DURING DEMOLITION, SENSITIVE MEDICAL ACTIVITIES MAY BE OCCURRING IN ADJACENT AREAS. DUST AND NOISE LEVELS ARE TO BE KEPT TO A MINIMUM.
6. WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE OR UNSUITABLE SURFACES TO FLOOR, WALL, OR CEILING SURFACES TO REMAIN EXPOSED IN THE FINISHED WORK, THE CONTRACTOR SHALL PATCH AND REPAIR CONDITIONS IN A MANNER TO ACCEPT NEW FINISHES AND/OR SURFACES AS PER PRODUCT MANUFACTURER'S SPECIFICATIONS WHERE THOSE REQUIREMENTS ARE MORE RESTRICTIVE.
7. ALL DEMOLITION ITEMS SHALL BE CONSIDERED THE PROPERTY OF THE OWNER UNTIL VERIFICATION HAS BEEN RECEIVED FROM THE OWNER REGARDING THEIR DISPOSAL PRIOR TO REMOVAL FROM THE SITE. ALL ITEMS NOT TO BE RETAINED BY THE OWNER SHALL BE REMOVED IN THEIR ENTIRETY.
8. TEMPORARY PARTITIONS AND DOORS SHALL BE PROVIDED AND MAINTAINED BY THE GENERAL CONTRACTOR, AS REQUIRED BY THE OWNER, ARCHITECT, AND ENGINEER. GENERAL CONTRACTOR SHALL DETERMINE EXACT LOCATION.
9. WHERE ANY NEW OR EXISTING DUCTWORK OR PIPING PENETRATIONS IN THE FLOOR ARE TO BE REMOVED OR RELOCATED, THE PENETRATIONS ARE TO BE FILLED WITH CONCRETE THE FULL FLOOR THICKNESS AND FINISHED IN A MANNER SUITABLE TO ACCEPT NEW FINISHES.
10. WHERE ANY NEW OR EXISTING DUCTWORK OR PIPING PENETRATIONS IN THE WALLS ABOVE CEILING ARE TO BE REMOVED OR RELOCATED, THE PENETRATIONS ARE TO BE PATCHED AND REPAIRED AS REQUIRED TO MATCH ADJACENT FINISHES OR ACCEPT NEW FINISHES AS APPLICABLE.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTING OWNER EQUIPMENT WHICH CANNOT BE REMOVED FROM THE PROJECT AREA. CONTRACTOR TO COORDINATE WITH OWNER FOR REMOVAL OR RELOCATION OF EQUIPMENT AND CONSTRUCTION.
12. WHERE EXTERIOR WALLS, WINDOWS, AND/OR DOORS ARE TO BE REMOVED OR MODIFIED, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT THE EXISTING BUILDING REMAINS WEATHER-TIGHT AND WITHOUT DRAFTS.
13. COORDINATE WITH OWNER AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIRFLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.

SPECIFIC DEMOLITION PLAN NOTES

- D1 REMOVE EXISTING WALL, OR PORTIONS THEREOF, AS REQUIRED FOR NEW CONSTRUCTION.
- D2 INSTALL TEMPORARY 1-HOUR RATED DUST PARTITION WITH 45 MINUTE DOORS AND HARDWARE (AS SHOWN). REFER TO PROJECT MANUAL. COORDINATE EXACT LOCATION WITH OWNER. MODIFY, PATCH AND REPAIR CEILING AS REQUIRED.
- D3 IN HATCHED AREA INDICATED, THE EXISTING LAY-IN CEILING REQUIRES TEMPORARY REMOVAL FOR INSTALLATION OF NEW MEP EQUIPMENT AND DUCTWORK. REFER TO MECHANICAL DRAWINGS. PROTECT AND STORE CEILING PADS AND GRID AND REINSTALL.
- D4 SOLID LINES IN THIS AREA REPRESENT LOCATION OF WALL IN NEW PROJECT. AT CONTRACTOR'S OPTION, WALL MAY BE REMOVED AND REINSTALLED.
- D5 TEMPORARY DOORS WITH EXIT HARDWARE.
- D6 COORDINATE EXACT DIMENSIONS OF DEMOLITION WITH NEW FLOOR PLAN.
- D7 REMOVE EXISTING DOOR AND FRAME AS REQUIRED FOR NEW CONSTRUCTION.
- D8 REMOVE EXISTING DOOR AND FRAME AND RELOCATE AS SHOWN ON THE FLOOR PLANS.
- D9 COORDINATE LOCATION OF NEW DUST PARTITION WITH EXISTING DOOR LOCATION TO ENSURE DOOR OPENS 90 DEGREES AS REQUIRED.

1 DEMOLITION FLOOR PLAN - AREA B
1/8" = 1'-0"



KEYPLAN

20 AUGUST 2018
1/8" = 1'-0"
ERG
23801

Date: _____
Scale: _____
Drawn by: _____
Project #: _____
Revisions: _____

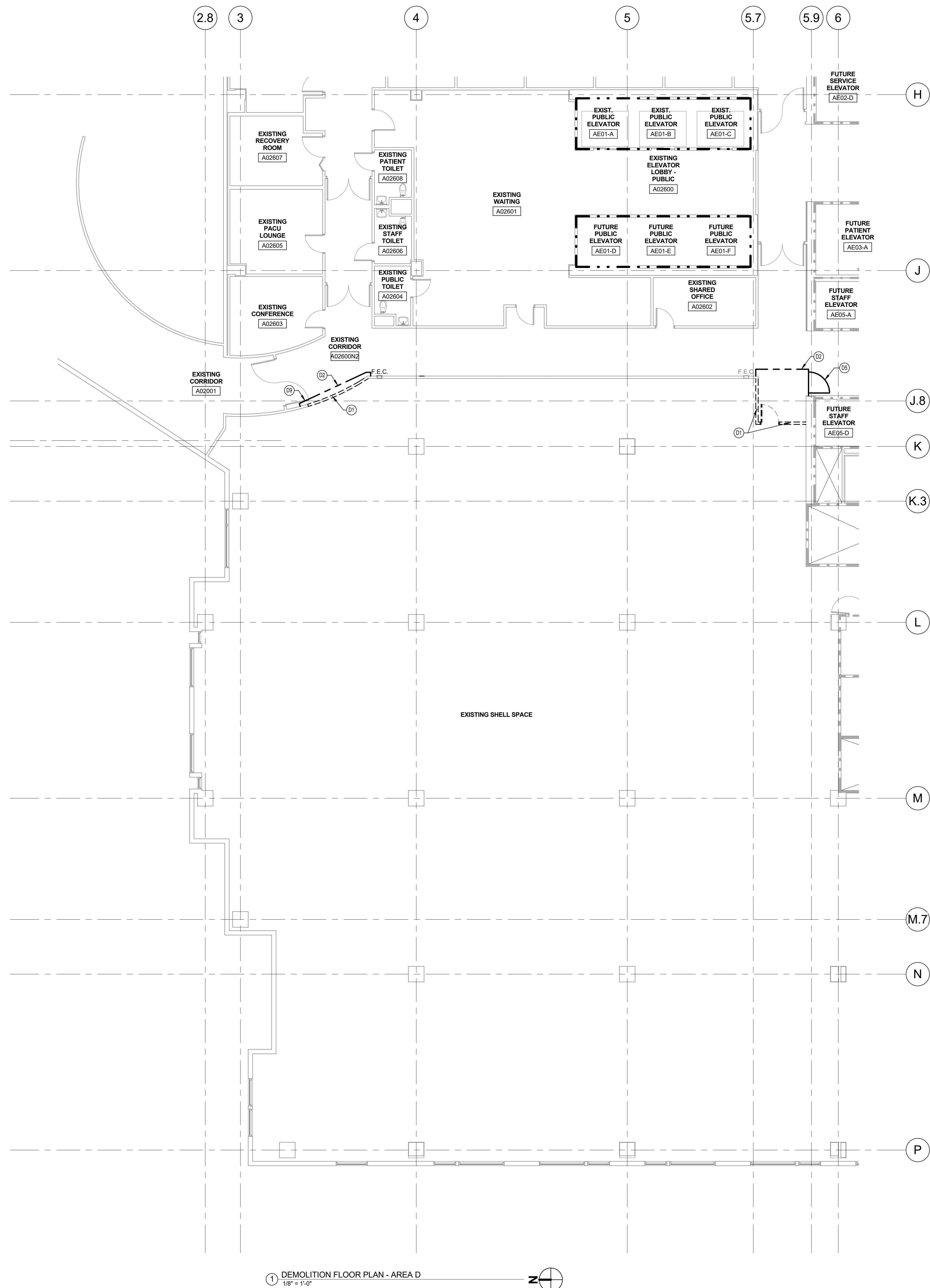
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LEXINGTON, KY 40536
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SECOND FLR DEMOLITION FLOOR PLAN - AREA B

D1.21B



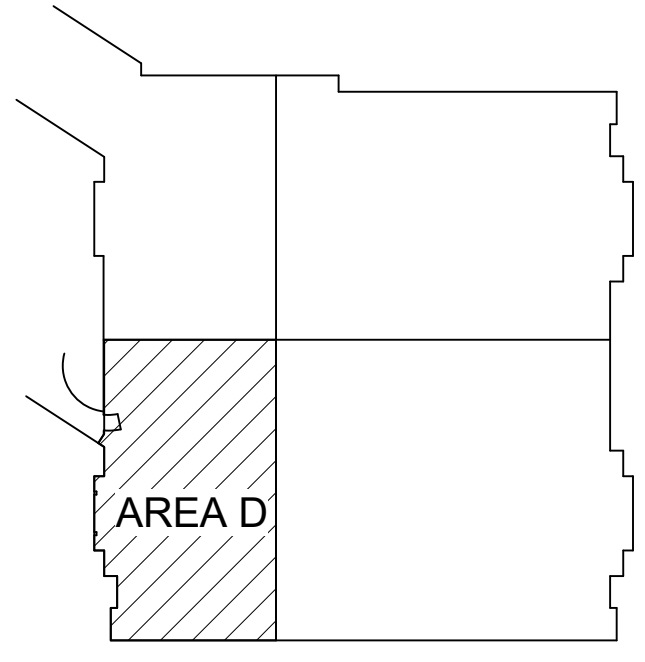
1 DEMOLITION FLOOR PLAN - AREA D
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND SHALL BE RESPONSIBLE FOR PROJECT COMPLETION THAT IS CONSISTENT WITH THE INTENT OF THE DESIGN AND ALL APPLICABLE BUILDING CODES.
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- ALL DEMOLITION ITEMS SHALL BE CONSIDERED THE PROPERTY OF THE OWNER UNTIL VERIFICATION HAS BEEN RECEIVED FROM THE OWNER REGARDING THEIR DISPOSAL PRIOR TO REMOVAL FROM THE SITE. ALL ITEMS NOT TO BE RETAINED BY THE OWNER SHALL BE REMOVED IN THEIR ENTIRETY.
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- INSTALL TEMPORARY 1-HOUR RATED DUST PARTITION WITH 45 MINUTE DOORS AND HARDWARE (AS SHOWN). REFER TO PROJECT MANUAL. COORDINATE EXACT LOCATION WITH OWNER. MODIFY, PATCH AND REPAIR CEILING AS REQUIRED.
- IN HATCHED AREA INDICATED, THE EXISTING LAY-IN CEILING REQUIRES TEMPORARY REMOVAL FOR INSTALLATION OF NEW MEP EQUIPMENT AND DUCTWORK. REFER TO MECHANICAL DRAWINGS. PROTECT AND STORE CEILING PADS AND GRID AND REINSTALL.
- SOLID LINES IN THIS AREA REPRESENT LOCATION OF WALL IN NEW PROJECT. AT CONTRACTOR'S OPTION, WALL MAY BE REMOVED AND REINSTALLED.
- TEMPORARY DOORS WITH EXIT HARDWARE.
- COORDINATE EXACT DIMENSIONS OF DEMOLITION WITH NEW FLOOR PLAN.
- REMOVE EXISTING DOOR AND FRAME AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING DOOR AND FRAME AND RELOCATE AS SHOWN ON THE FLOOR PLANS.
- COORDINATE LOCATION OF NEW DUST PARTITION WITH EXISTING DOOR LOCATION TO ENSURE DOOR OPENS 90 DEGREES AS REQUIRED.



20 AUGUST 2018
1/8" = 1'-0"
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Date: _____
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Revisions: _____

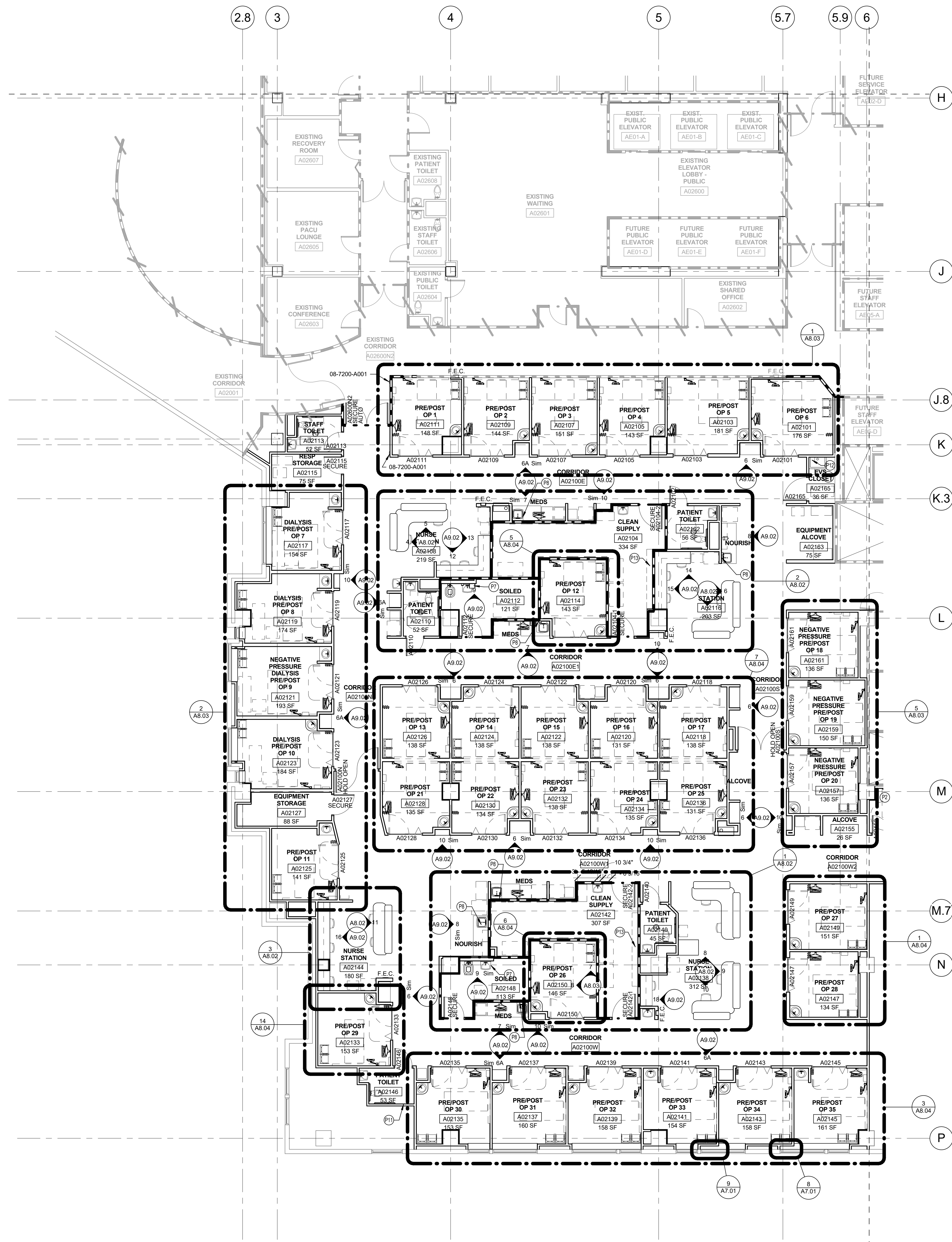
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SECOND FLR DEMOLITION
FLR PLAN -
AREA D

D1.21D



1 SECOND FLOOR PLAN
1/8" = 1'-0"

GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEET L1.01 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "A2" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET L1.03 FOR HANDICAPPED ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF ADA HANDICAPPED ACCESSIBILITY CODE. REFER TO SHEET L1.03 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR UNDERSIDES OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 3" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 25" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL "SLIP-TRACK" STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- UNLESS NOTED OTHERWISE, ALL WINDOW SILLS SHALL BE SOLID SURFACE.
- COORDINATE WITH OWNER AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIR FLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING. DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET L1.02 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- REFER TO WALL PRIORITY LEGEND AND WALL PRIORITY DIAGRAM FOR INFORMATION REGARDING INTERSECTION OF RATED AND NON-RATED WALLS.
- REFER TO EQUIPMENT PLANS. EQUIPMENT PROJECT MANUAL, INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY DRAWINGS, AND ARCHITECTURAL INTERIOR ELEVATIONS FOR MEDICAL GASES, NURSE CALL, AND CODE BLUE RECEPTACLES AND DEVICES.
- REFER TO PHYSICIST REPORT IN THE PROJECT MANUAL FOR SPECIFIC RADIATION PROTECTION REQUIREMENTS. CONFIRM THAT RADIATION PROTECTION INDICATED ON THE ARCHITECTURAL DRAWINGS IS CONSISTENT WITH SPECIFIC REQUIREMENTS OF THE PHYSICIST REPORT.
- AT FIT-OUT OF PREVIOUSLY SHELLED SPACES, REMOVE EXISTING FIRE EXTINGUISHERS AND TURN OVER TO THE OWNER.

SPECIFIC SPECIFICATION

08-7200-A001 AUTOMATIC DOOR ACTIVATION SWITCH - TOUCHLESS AND/OR CARDREADER

SPECIFIC FLOOR PLAN NOTES

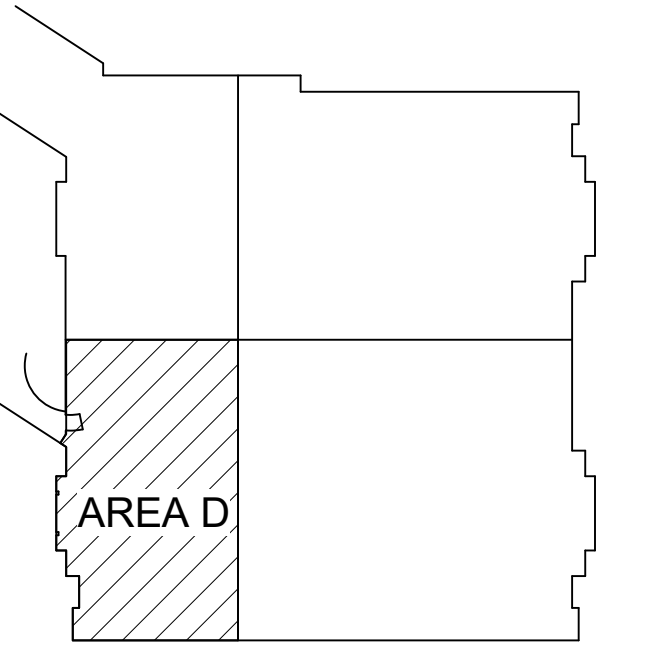
- (P1) CASEWORK BY OTHERS. REFER TO MIDMARK VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
- (P2) REFER TO TYPICAL TOILET ROOM ELEVATIONS ON L1.03 FOR THIS ROOM.
- (P3) CUSTOM CASEWORK BY CONTRACTOR
- (P4) EMERGENCY EYEWASH LOCATION. REFER TO PLUMBING DRAWINGS.
- (P5) COORDINATE WALL OPENING REQUIREMENTS WITH RECESSED STERILIZER EQUIPMENT
- (P6) OFCI SCRUB SINKS WITH OFCI CARRIERS
- (P7) DECK MOUNTED EYEWASH. REFER TO PLUMBING INFORMATION.
- (P8) 16 GA METAL STUDS AND TREATED PLYWOOD BLOCKING BEHIND ICE MACHINE. TREATED PLYWOOD TO BE THE SAME DIMENSIONS AS THE ICE MACHINE REAR PANEL.
- (P9) TV LOCATION - PROVIDE BLOCKING AS REQUIRED. REFER TO MEP INFORMATION.
- (P10) UPGRADE EXISTING WALL TO 1-HOUR CONSTRUCTION. AT CONTRACTOR'S OPTION, EXISTING WALL MAY BE REMOVED AND REPLACED WITH NEW 1-HOUR WALL. CONSTRUCT NEW WALL IF EXISTING WALLS ARE NON-VIABLE.
- (P11) 24" x 24" LOCKABLE ACCESS PANEL AT 18" AFF
- (P12) PLASTIC LAMINATE SHELVES ON METAL STANDARDS
- (P13) STAINLESS STEEL SHELVES ON METAL STANDARDS

WALL RATINGS LEGEND

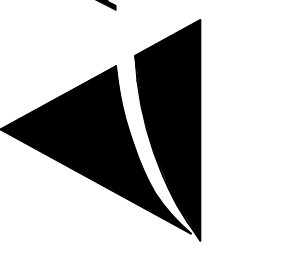
NEW		EXISTING - ASSUMED CONSTRUCTION	
1 HOUR FIRE BARRIER		1 HOUR FIRE BARRIER	
1 HOUR FIRE RATED SMOKE BARRIER		1 HOUR FIRE RATED SMOKE BARRIER	
2 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER	
2 HOUR FIRE RATED SMOKE BARRIER		2 HOUR FIRE RATED SMOKE BARRIER	
3 HOUR FIRE WALL		3 HOUR FIRE WALL	
NON-RATED SMOKE PARTITION		NON-RATED SMOKE PARTITION	

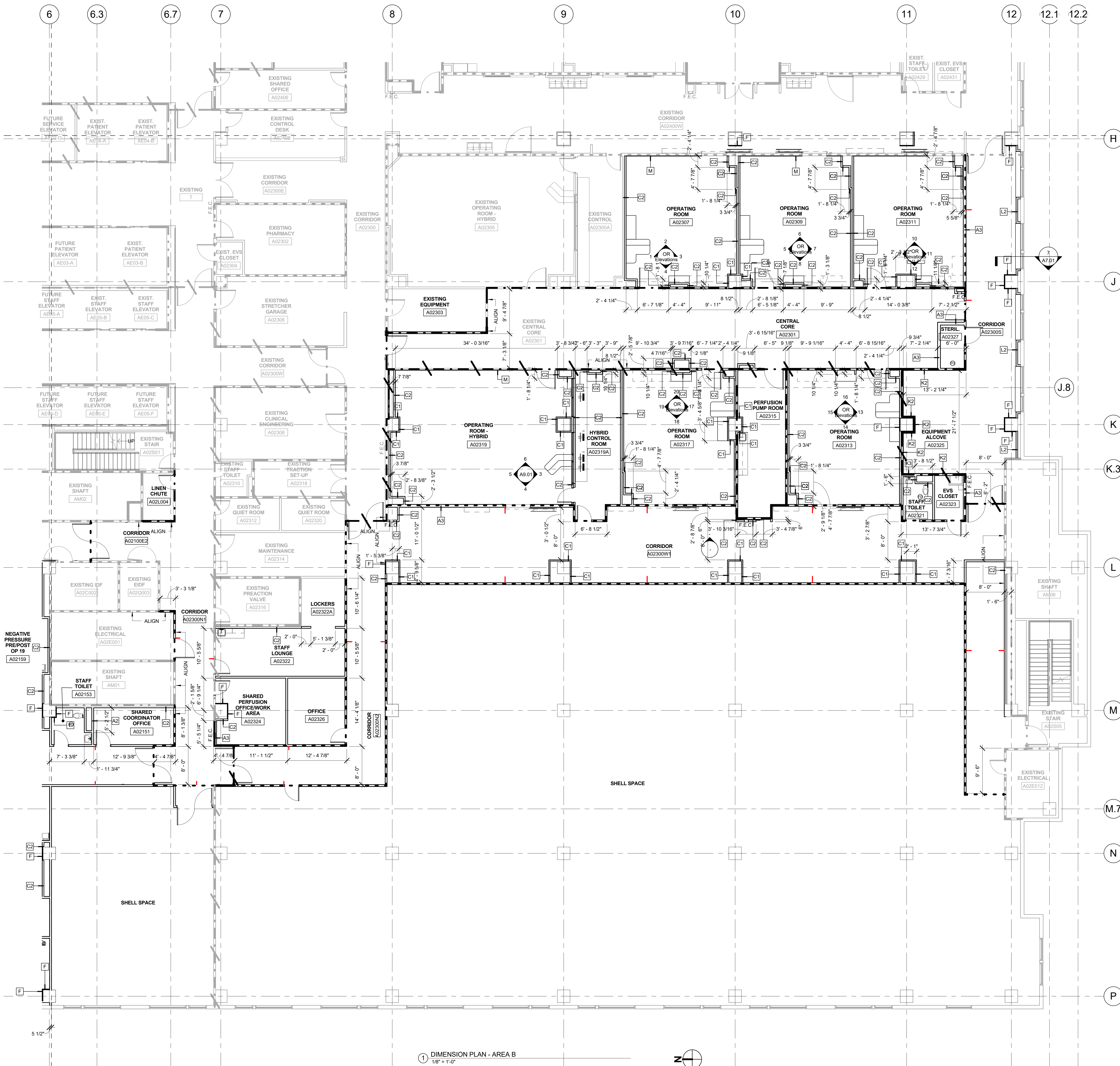
ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEET L1.01 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



KEYPLAN





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1 DIMENSION PLAN - AREA B
1/8" = 1'-0"

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SECOND FLR
DIMENSION
PLAN - AREA B

A1.22B



1 DIMENSION PLAN - AREA D
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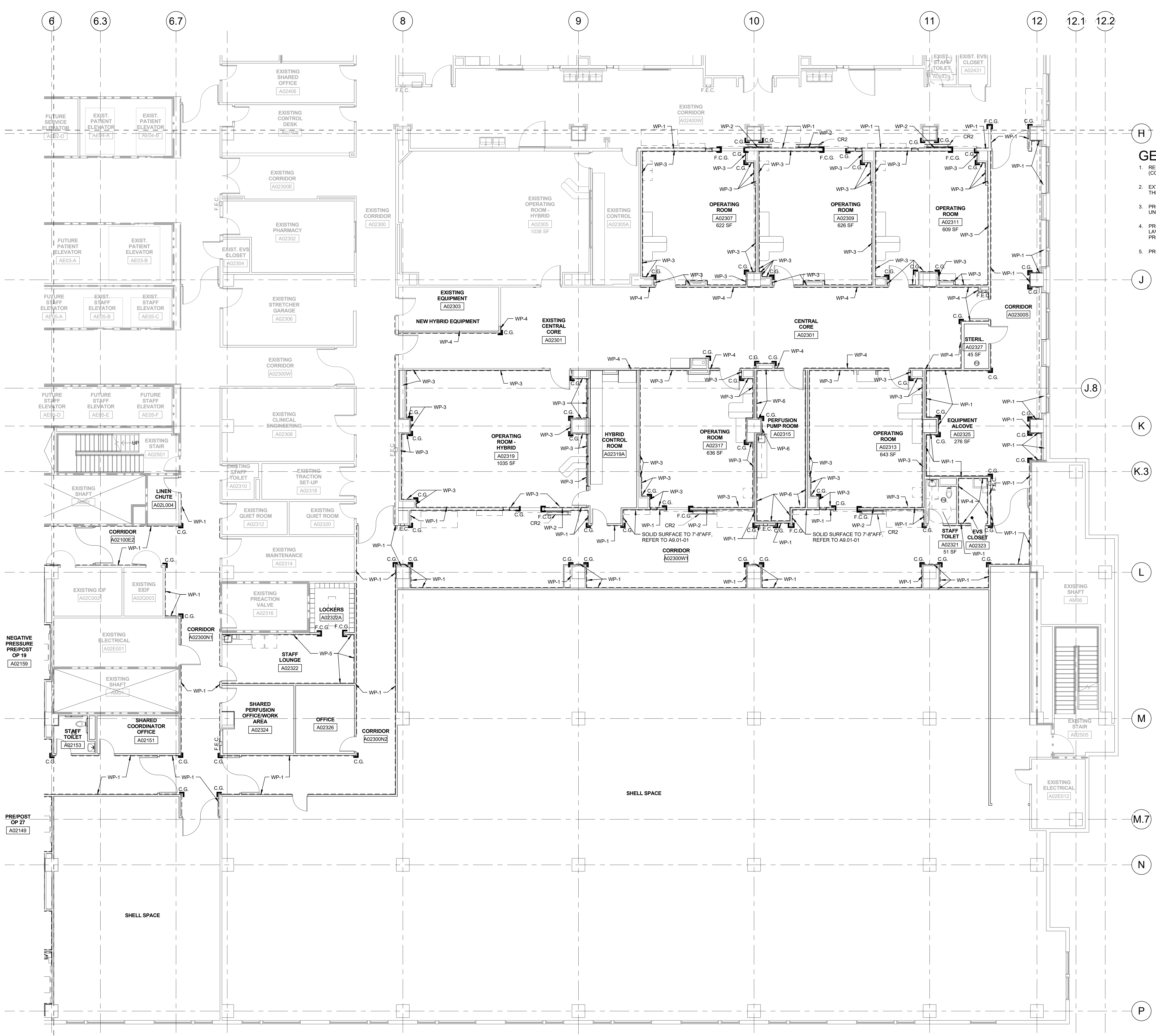
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**SECOND FLR
DIMENSION
PLAN - AREA D**

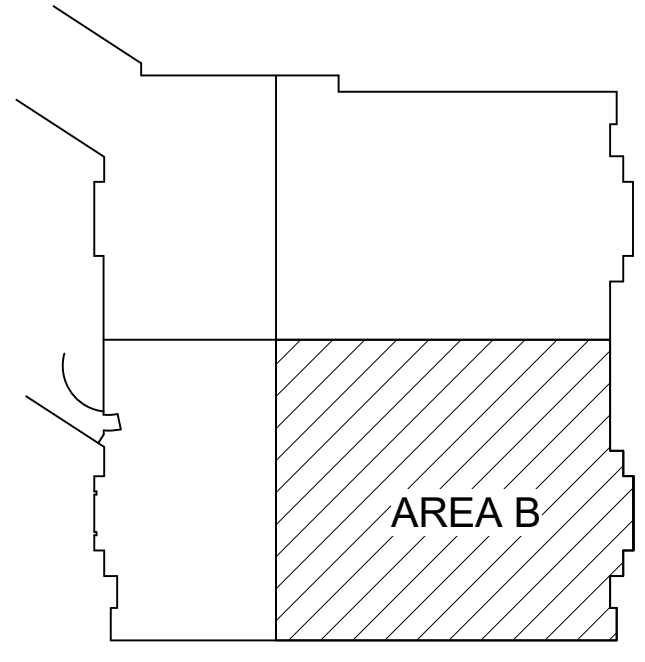
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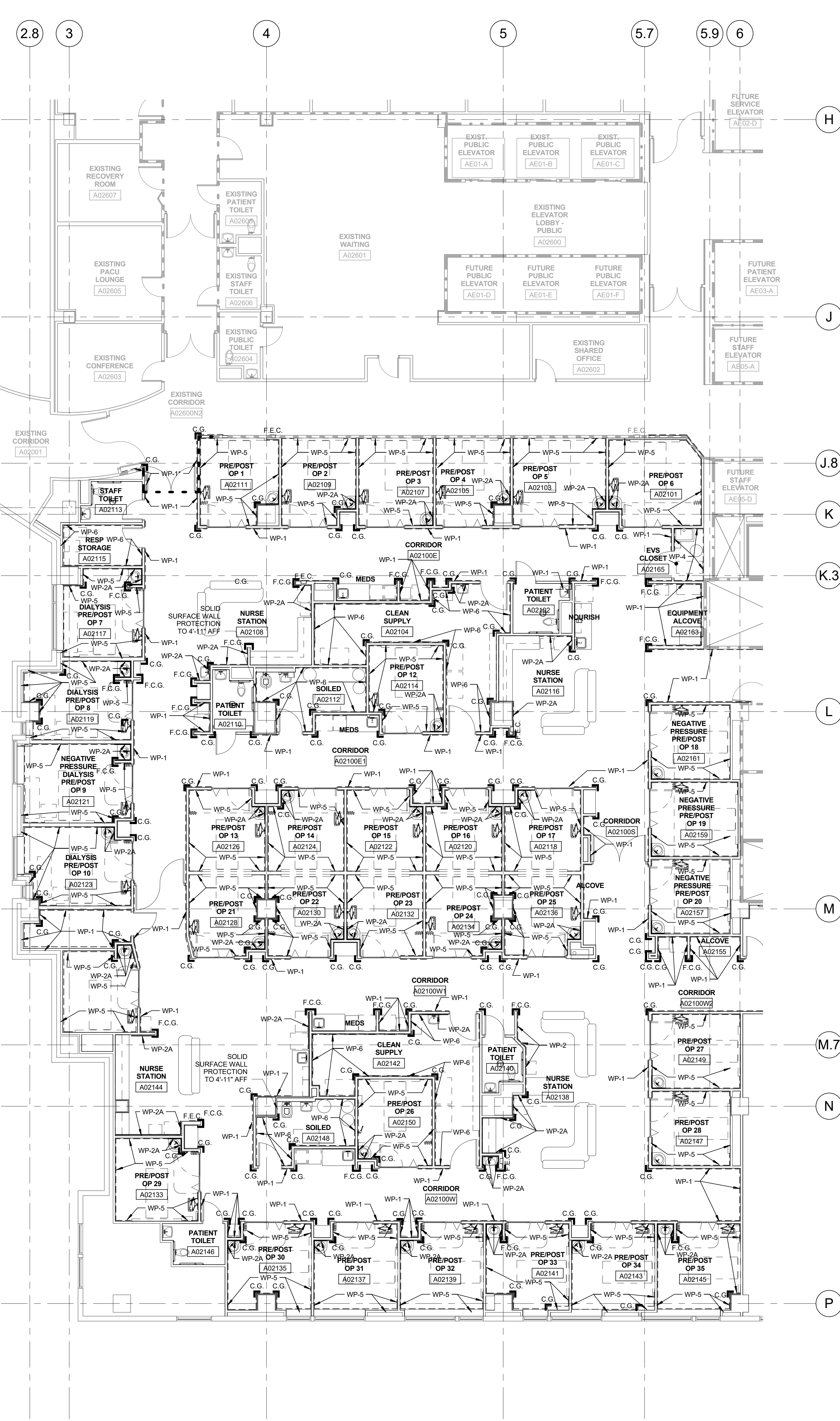
GENERAL WALL PROTECTION PLAN NOTES

1. REFER TO WALL PROTECTION DETAILS FOR DESCRIPTION OF WALL PROTECTION (WP) AND CORNER GUARDS (CG) AND FOR TERMINATIONS RELATIVE TO INSIDE WALL, CORNERS AND FRAMES.
2. EXTEND CORNER GUARDS (CG) FROM THE TOP OF THE SCHEDULED FLOOR BASE TO THE UNDERSIDE OF THE NEAREST CEILING, SOFFIT OR BULKHEAD.
3. PROVIDE DOOR AND FRAME EDGE PROTECTION AS INDICATED ON THE DOOR HARDWARE SCHEDULE UNLESS INDICATED OTHERWISE ON THIS DRAWING.
4. PROVIDE SOLID SURFACE REAR AND SIDE WALL PROTECTION (WHERE SIDE WALL OCCURS) AT HAND LAVATORIES, UTILITY SINKS, MOP SINKS, AND CLINICAL SINKS. PROVIDE SOLID SURFACE WALL PROTECTION/SPLASH PANELS BEHIND COUNTER MOUNTED SINKS. REFER TO INTERIOR ELEVATIONS.
5. PROVIDE TREATED WOOD BLOCKING FOR HANDRAILS, BUMPER RAILS, AND CRASH RAILS.

1 SECOND FLOOR WALL PROTECTION PLAN - AREA B
 1/8" = 1'-0"



KEY PLAN



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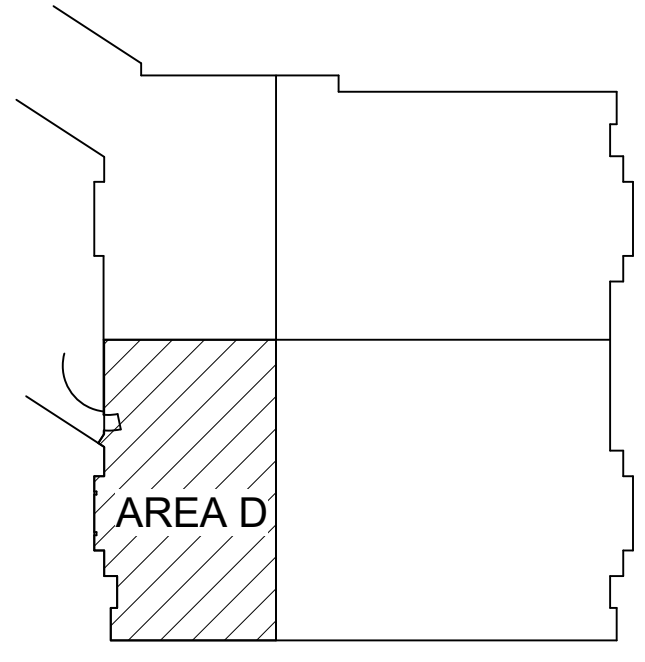
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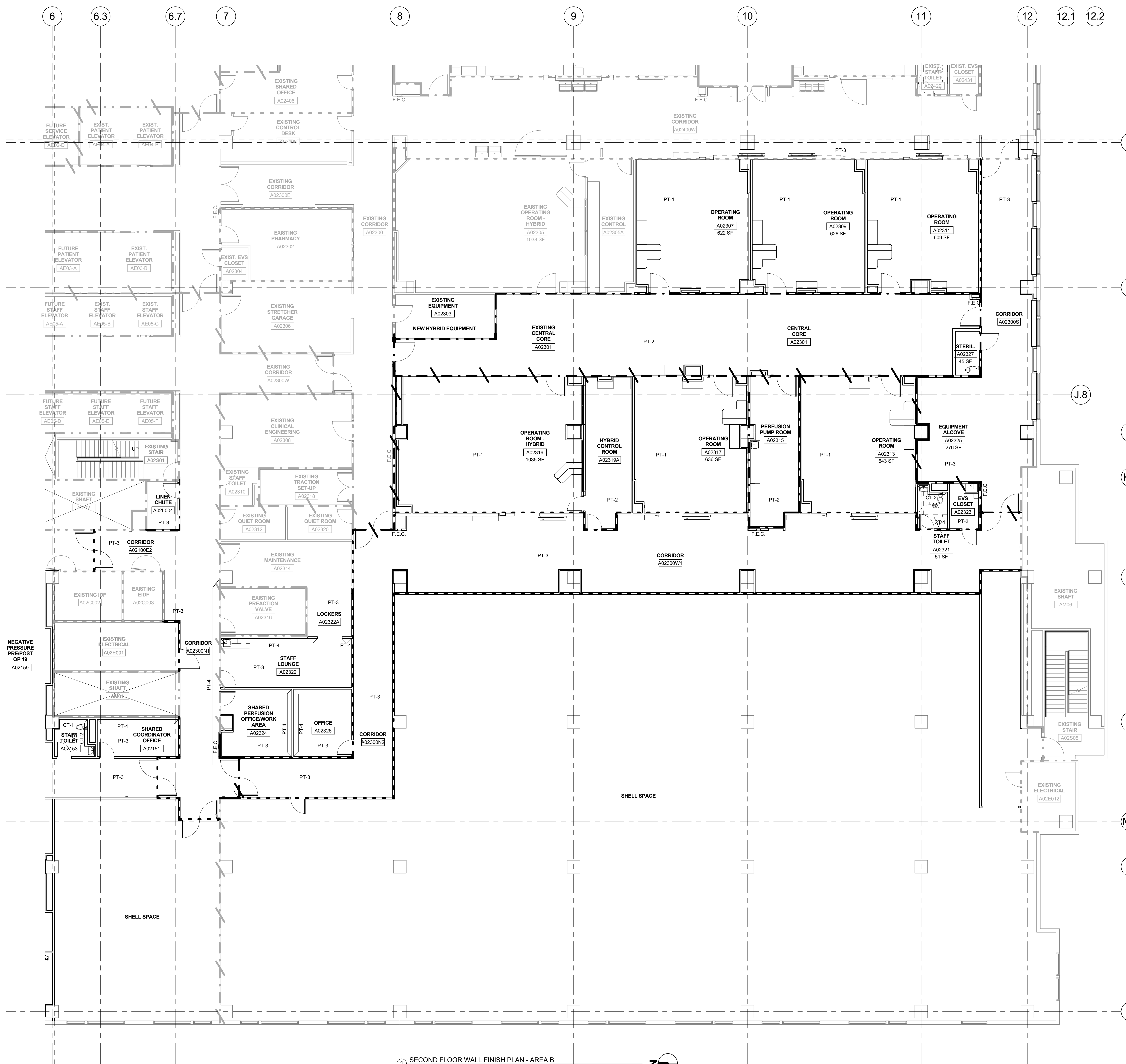
SECOND FLR
 WALL
 PROTECTION
 PLAN - AREA D

A1.24D

1 SECOND FLOOR WALL PROTECTION PLAN
 1/8" = 1'-0"



KEYPLAN



1 SECOND FLOOR WALL FINISH PLAN - AREA B
1/8" = 1'-0"

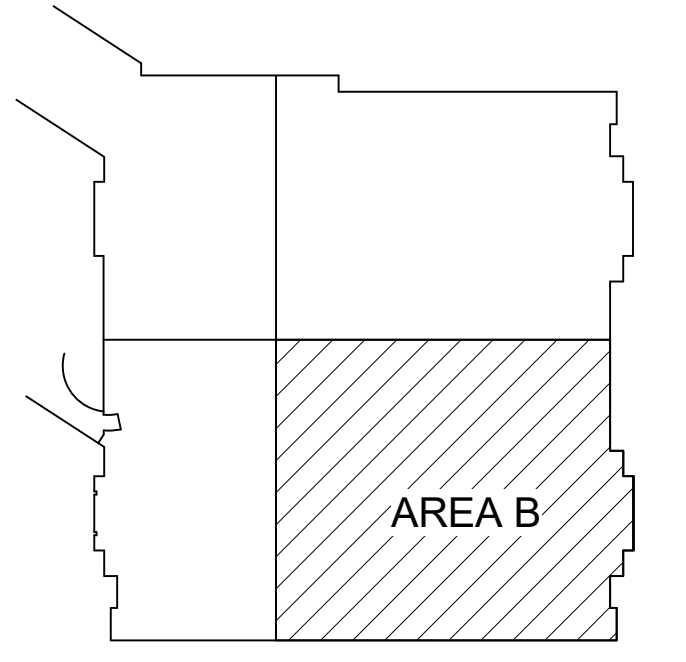
GENERAL FINISH PLAN NOTES

- ALL FINISHES SHALL COMPLY WITH KENTUCKY BUILDING CODE FOR CLASS "A" FIRE RATINGS AS WELL AS ALL OTHER LOCAL, STATE AND NATIONAL CODES.
- ALL NEW DRYWALL INSTALLATIONS, INSTALL AS RECOMMENDED BY THE GYPSUM ASSOCIATION - CONTROL JOINTS, FINISH LEVELS, FASTENERS, TAPING DETAILS, CORNER BEADS, ETC.
- ALL AREAS TO RECEIVE PAINT ARE TO RECEIVE PRIMER COAT AND TWO FINISH COATS.
- ALL FINISHES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
- PAINT ACCESS PANELS TO MATCH ADJACENT FINISH.
- ALL CHANGE IN FLOORING MATERIALS SHALL OCCUR AT CENTERLINE OF DOOR UNLESS OTHERWISE NOTED.
- IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS ON SITE PRIOR TO ANY FINISH APPLICATION.
- FLOORING MATERIALS SHALL BE DOCUMENTED IN A SEAMING DIAGRAM FORMAT FOR REVIEW BY ARCHITECT.
- PAINT WALL ABOVE OR BETWEEN WALL PROTECTION MATERIALS.
- PAINT WALL ABOVE CERAMIC TILE.
- DESIGN PATTERN/STYLE AND COLOR SELECTIONS INDICATED ARE BASIS OF DESIGN. REFER TO SPECIFICATION SECTIONS FOR SPECIFIC PRODUCT DESIGN AND PERFORMANCE REQUIREMENTS. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED WITH SUBSEQUENT VARIATION IN PATTERN OR COLOR, ARCHITECT MAY REVERSE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION.
- SEE REFLECTED CEILING PLANS, ELEVATIONS, FLOOR FINISH PLANS, AND WALL FINISH PLANS FOR ADDITIONAL INFORMATION.
- SEE WALL FINISH PLANS FOR WALL PROTECTION TYPES AND LOCATIONS. SEE ELEVATIONS FOR WALL PROTECTION BEHIND PLUMBING FIXTURES.
- FLOORING IN ALL SCHEDULED SPACES SHALL COVER THE ENTIRE ROOM/SPACE BOUNDED BY THE ROOM WALLS AND NON-WALL BOUNDARIES INCLUDING PLACEMENT UNDER ARCHITECTURAL WOODWORK, CASEWORK, LOCKERS, AND SIMILAR FLOOR MOUNTED EQUIPMENT PROVIDED BY THE CONTRACTOR AND OWNER.
- PAINT ALL SURFACES OF SOFFIT SAME COLOR AS INDICATED.
- PROVIDE CERAMIC TILE FINISH TO 7'-2" A.F.F. AT ALL STAFF AND PATIENT TOILET ROOMS; PUBLIC TOILET ROOM FINISH FULL WALL HEIGHT. TOILET ROOM WALLS TO RECEIVE CT-1, UNLESS NOTED OTHERWISE.
- HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED PT-7, UNLESS OTHERWISE NOTED.
- PAINT IN FIELD FACTORY VENTS, GRILLES, ACCESS PANELS, PLUG STRIP, BASEBOARD RADIATION ENCLOSURES, ELECTRICAL PANEL BOARDS (IN FINISHED SPACES) TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS INDICATED OTHERWISE. EXCEPTION ITEMS WITH FACTORY WHITE FINISH, OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD CEILING SHALL NOT BE PAINTED AND FINISHED METALS INCLUDING STAINLESS STEEL AND ALUMINUM ITEMS SHALL NOT BE PAINTED.
- ROOMS IDENTIFIED WITH 6-INCH HIGH BASE SHALL HAVE 4-INCH HIGH RESILIENT COVE BASE AT CASEWORK/WHIT 4-INCH HIGH TOE KICK. PROVIDE BASE ON FRONTS AND EXPOSED SIDES OF BASE CABINETS.
- SEE JOINT SEALANT SPECIFICATION SECTION FOR REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING LOCATIONS: FLOOR DRAINS, CLEAN-OUTS, CERAMIC TILE HORIZONTAL AND VERTICAL CORNERS, TOP OF CERAMIC WALL TILE AT WALLS, TOPS, SIDES OR STONE BASE AND WINGS AT WALLS, TOP AND SIDES OF WALL PROTECTION AT WALLS, TOPS, AND SIDES OF COUNTERTOPS AND SPLASHES AT WALLS, BASE OF DOOR FRAMES AT FLOORING.
- PATCH TO MATCH EXISTING FINISHES WHEN NEW CONSTRUCTION OCCURS IN EXISTING ROOMS.
- FIELD VERIFY ALL NEW AND EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
- LOCATE CHANGES IN FLOOR FINISH MATERIALS UNDER CENTERLINE OF CLOSED DOOR UNLESS OTHERWISE INDICATED.

WALL FINISH LEGEND

CODE	MANUF.	STYLE/PATTERN	COLOR
PT-1	SHERWIN WILLIAMS	SW-6206 (EPOXY)	OYSTER BAY
PT-2	SHERWIN WILLIAMS	SW-7012 (EPOXY)	CREAMY
PT-3	SHERWIN WILLIAMS	SW-7012	CREAMY
PT-4	BENJAMIN MOORE	HC-90	BLEEKER BEIGE
PT-5	SHERWIN WILLIAMS	SW-7653	STONEBRIAR
PT-6	SHERWIN WILLIAMS	SW-6206	OYSTER BAY
PT-7	SHERWIN WILLIAMS	SW-7507	STONE LION
PT-8	SHERWIN WILLIAMS	SW-7007	CEILING BRIGHT WHITE (OR CEILINGS ONLY)
CT-1	DALTILE	TORREON SERIES COLOR BODY PORCELAIN, SIZE: 12X12	TN88 BRINO (GRAY)
CT-2	DALTILE	TORREON SERIES COLOR BODY PORCELAIN, SIZE: 12X12	TN86 TORTORA (GOLD)

PACU: Microwave Shelf and Nurse Station countertops: Corian Savannah Solid Surface wall protection is 1/4" Corian Linen Surgery; OR Custom Media Cabinets: Wilsonart 7919-78 Amber Cherry OR Surgeons Desk, Hybrid Control Room countertop, Countertop in Central Core: Corian Savannah Wall protection in corridors, and for custom box at scrub sinks: Corian Linen



KEYPLAN

20 AUGUST 2018
As indicated
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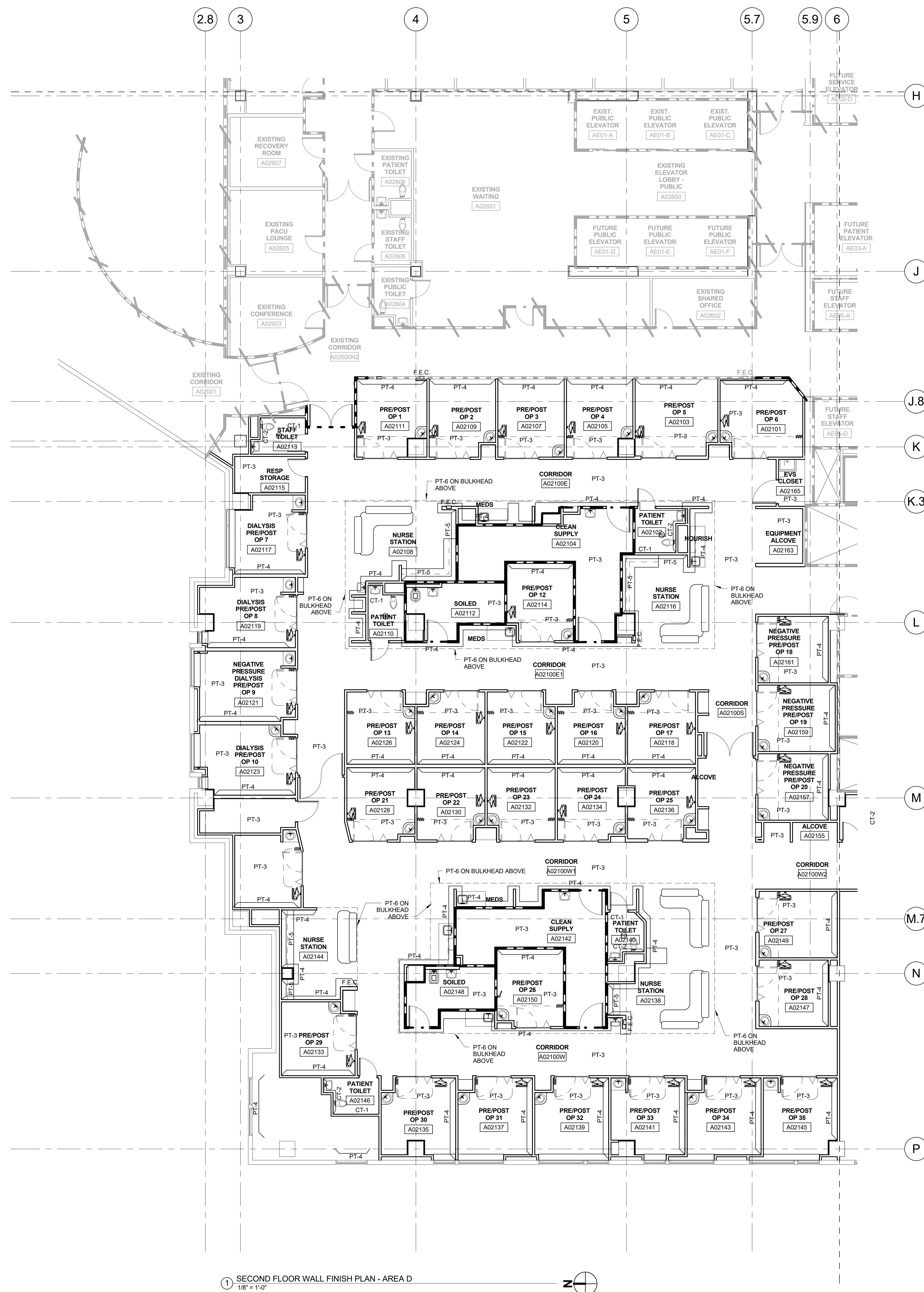
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PAVILION A - SURGERY PHASE 1-3A
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SECOND FLR
WALL FINISH
PLAN - AREA B

A1.25B



1 SECOND FLOOR WALL FINISH PLAN - AREA D
1/8" = 1'-0"

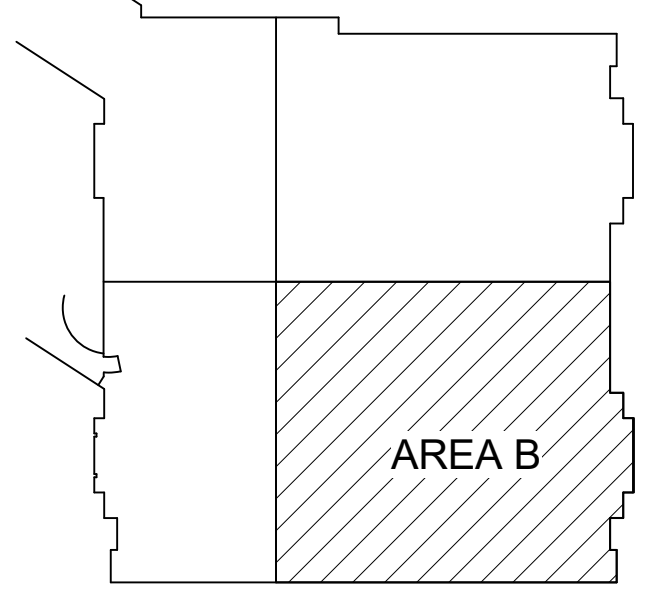
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- PAINT ALL SURFACES OF SOFFIT SAME COLOR AS INDICATED.
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- HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED PT-7, UNLESS OTHERWISE NOTED.
- PAINT IN FIELD FACTORY VENTS, GRILLES, ACCESS PANELS, PLUG STRIP, BASEBOARD, RADIATION ENCLOSURES, ELECTRICAL PANEL BOARDS (IN FINISHED SPACES) TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS INDICATED OTHERWISE. EXCEPTION: ITEMS WITH FACTORY WHITE FINISH, OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD CEILING SHALL NOT BE PAINTED AND FINISHED METALS INCLUDING STAINLESS STEEL AND ALUMINUM ITEMS SHALL NOT BE PAINTED.
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WALL FINISH LEGEND

CODE	MANUF.	STYLE/PATTERN	COLOR
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PT-2	SHERWIN WILLIAMS	SW-7012 (EPOXY)	CREAMY
PT-3	SHERWIN WILLIAMS	SW-7012	CREAMY
PT-4	BENJAMIN MOORE	HC-80	BLEEKER BEIGE
PT-5	SHERWIN WILLIAMS	SW-7693	STONEBRAR
PT-6	SHERWIN WILLIAMS	SW-6206	OYSTER BAY
PT-7	SHERWIN WILLIAMS	SW-7507	STONE LION
PT-8	SHERWIN WILLIAMS	SW-7007	CEILING BRIGHT WHITE (OR CEILINGS ONLY)
CT-1	DALTILE	TORREON SERIES COLOR BODY PORCELAIN, SIZE: 12X12	TN88 BRINO (GRAY)
CT-2	DALTILE	TORREON SERIES COLOR BODY PORCELAIN, SIZE: 12X12	TN86 TORTORA (GOLD)

PACU: Microwave Shelf and Nurse Station countertops: Corian Savannah Solid Surface wall protection is 1/4" Corian Linen Surgery, OR Custom Media Cabinets: Wilsonart 7919-78 Amber Cherry OR Surgeons Desk, Hybrid Control Room countertop, Countertop in Central Core: Corian Savannah Wall protection in corridors, and for custom box at scrub sinks: Corian Linen



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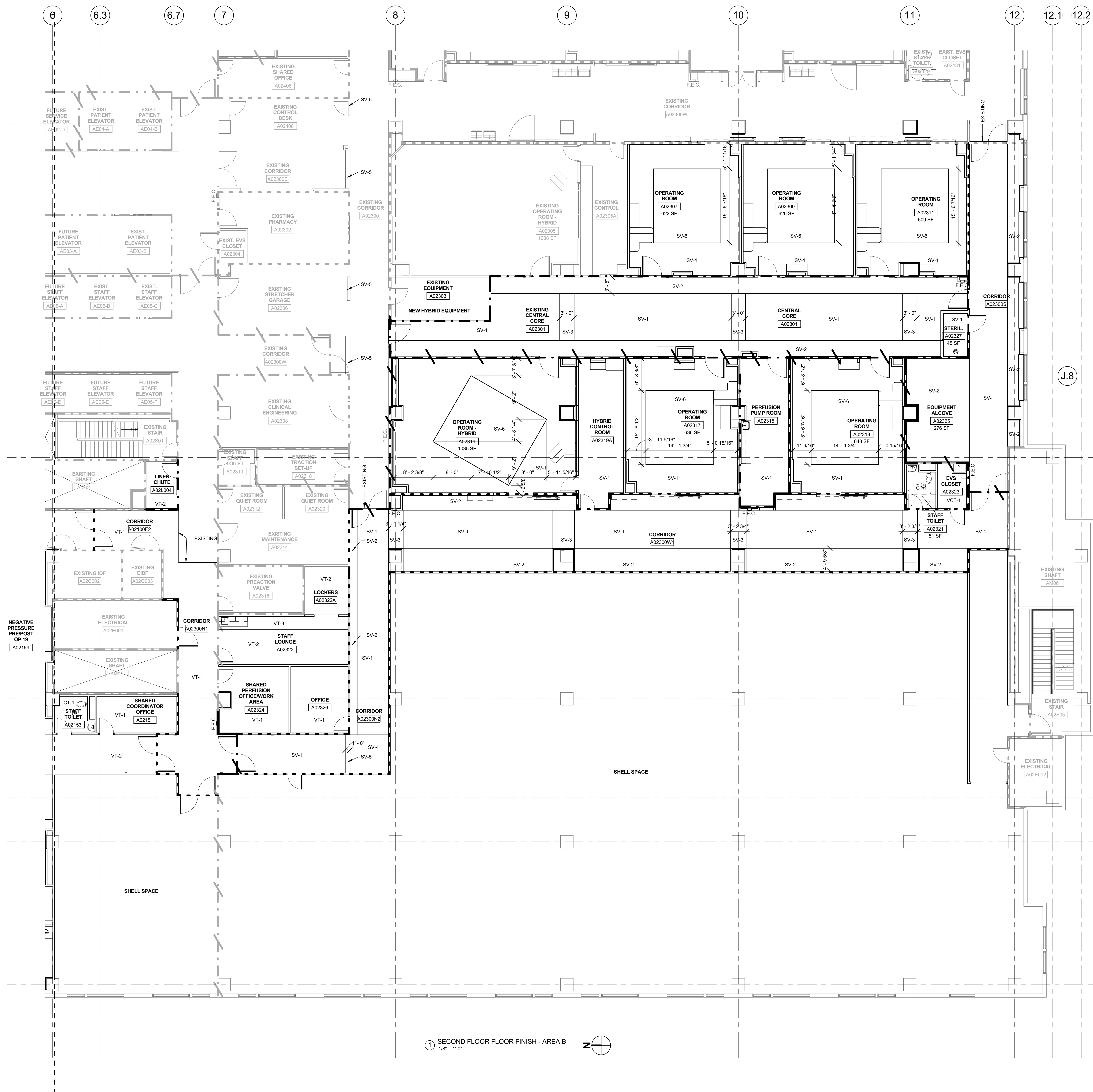
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PAVILION A - SURGERY PHASE 1-3A
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SECOND FLR
WALL FINISH
PLAN - AREA D

A1.25D

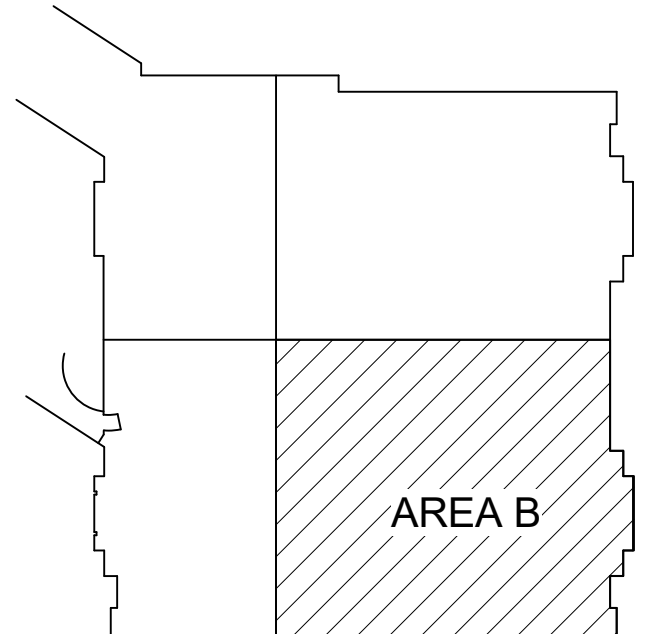


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17. HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED PT-7, UNLESS OTHERWISE NOTED.
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FLOOR FINISH LEGEND

CODE	MANUF.	STYLE/PATTERN	COLOR
VT-1	VPI	PRT EARTHTONES	AFRICAN GRANITE (P015A12)
VT-2	VPI	PRT EARTHTONES	INCA STONE (P25A12)
VT-3	VPI	PRT EARTHTONES	CUSTOM COLOR TO MATCH P2948 (LIGHT BLUE)
VT-4	VPI	PRT EARTHTONES	CUSTOM COLOR TO MATCH P2779 (DARK BLUE)
SV-1	NORA	NORAPLAN ENVIRONCARE	2786 RUSSIAN CYPRESS
SV-2	NORA	NORAPLAN ENVIRONCARE	2948 VEILED DUSK
SV-3	NORA	NORAPLAN ENVIRONCARE	2780 PHANTOM MIST
SV-4	NORA	NORAPLAN ENVIRONCARE	2779 EVERGREEN PATH
SV-5	NORA	NORAPLAN ENVIRONCARE	2962 CINNAMON BARK
SV-6	NORA	NORAPLAN ENVIRONCARE	2945 LACE VINE
CT-1	DALTILE	TORREON SERIES COLOR BODY PORCELAIN, SIZE: 12X12	TN98 BRNO (GRAY)
VCT-1	ARMSTRONG	STND EXCELON-IMPERIAL	5108 CAMEL BEIGE



1 SECOND FLOOR FLOOR FINISH - AREA B
1/8" = 1'-0"

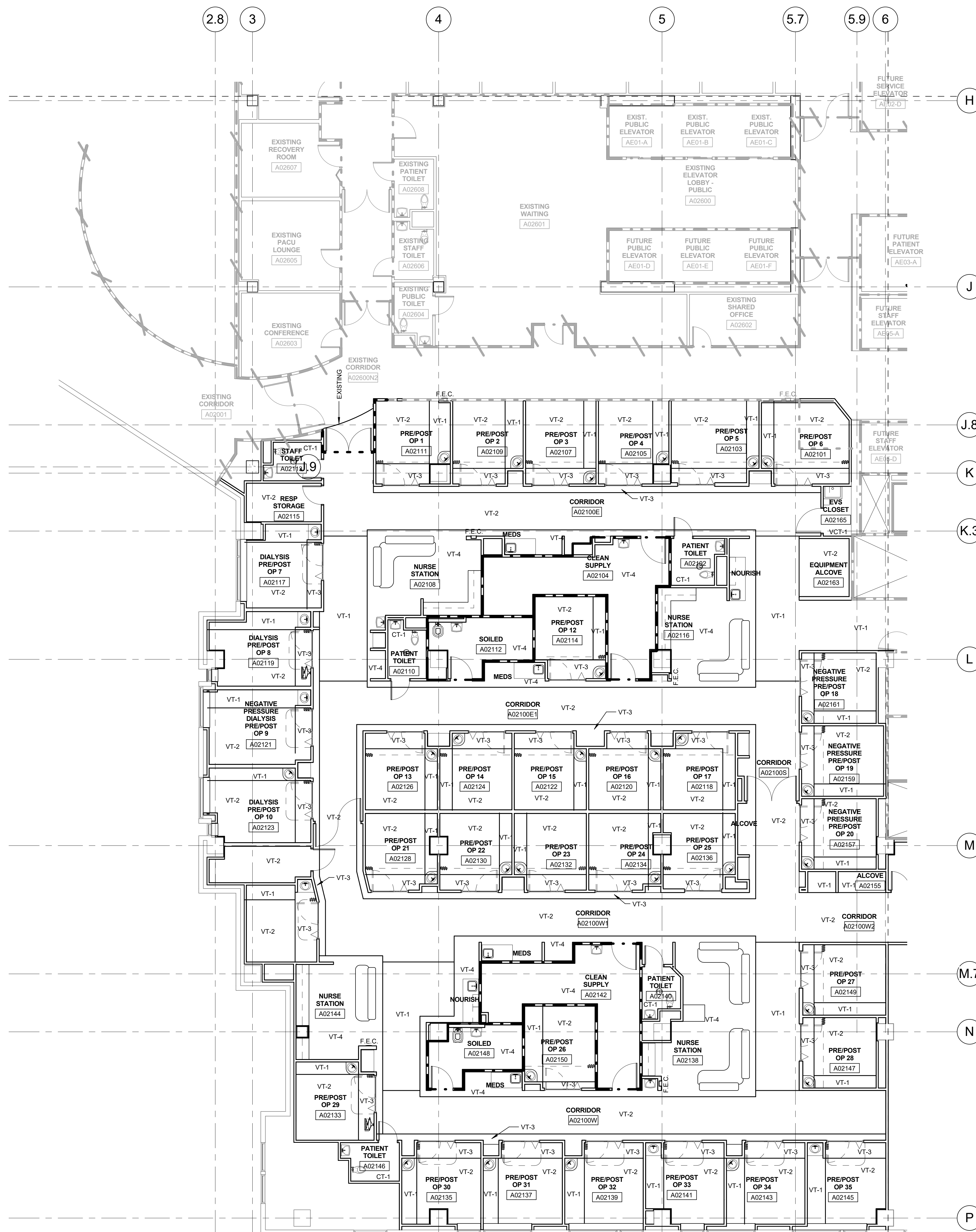
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SECOND FLR FLOOR FINISH PLAN - AREA B
A1.26B

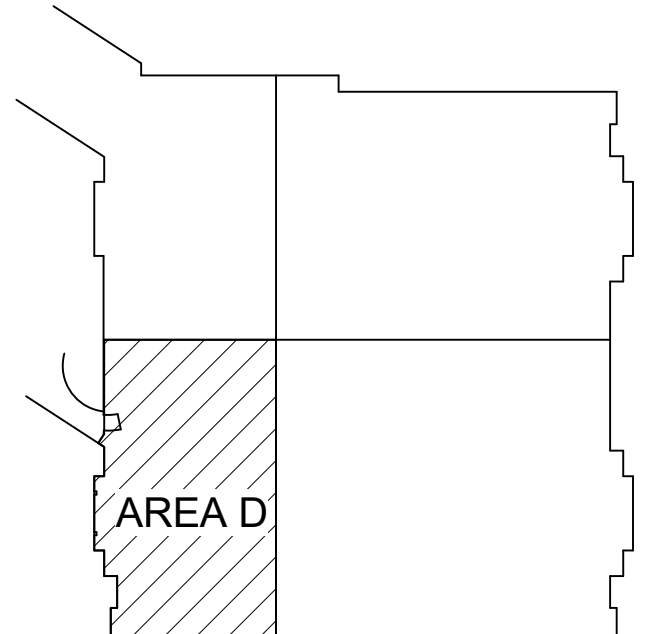


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SV-5	NORA	NORAPLAN ENVIRONCARE	2982 CINNAMON BARK
SV-6	NORA	NORAPLAN ENVIRONCARE	2945 LACE VINE
CT-1	DALTILE	TORREON SERIES COLOR BODY PORCELAIN, SIZE: 12X12	TN98 BRNO (GRAY)
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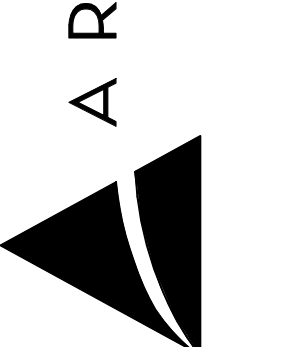
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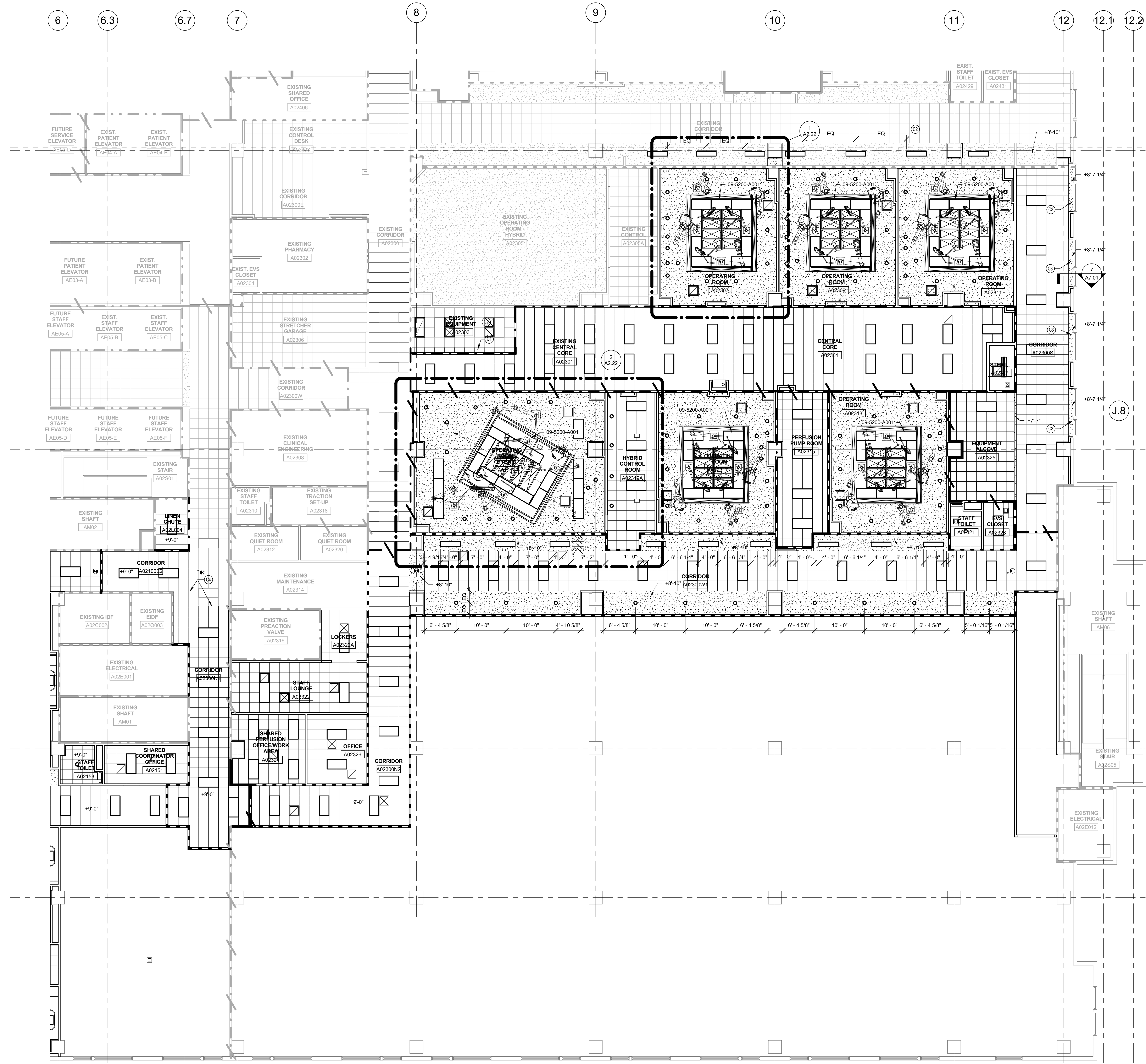
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A1.26D



GENERAL REFLECTED CEILING PLAN NOTES

1. CENTER LIGHTS IN THE CEILING TILE AT ALL LOCATIONS UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT WHENEVER THERE IS A CONFLICT.
2. REFER TO SHEET L1.02 FOR CEILING HEIGHTS.
3. ALL BULKHEADS SHALL RECEIVE PAINT.
4. REFER TO SHEET L1.02 FOR REFLECTED CEILING PLAN LEGEND.
5. COORDINATE REFLECTED CEILING PLAN WITH INTERIOR, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION INFORMATION. CEILING DEVICES SHOWN ON THIS PLAN ARE FOR PURPOSES OF LAYOUT WITHIN THE CEILING.
6. DEVICES SHOWN ON ELECTRICAL OR TECHNOLOGY DRAWINGS BUT NOT SHOWN ON THESE PLANS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE.
7. SOFFITS AND BULKHEADS. PROVIDE FINISHED SOFFITS AND BULKHEADS AT CEILING TRANSITIONS AND WHERE INDICATED. CONSTRUCT WITH 5/8" GYPSUM BOARD ON MINIMUM 3/8" METAL STUD FRAMING. EXTEND VERTICAL FRAMING TO THE STRUCTURE ABOVE AND EXTEND VERTICAL FACES OF GYPSUM BOARD TO 6" ABOVE ADJACENT CEILING.
8. COORDINATE LOCATIONS OF EXIT SIGNS WITH OWNER PROVIDED CEILING MOUNTED SIGNS. ADJUST EXIT SIGN LOCATIONS FROM CORRIDOR CENTERLINES WHERE REQUIRED TO READ OWNER PROVIDED SIGNS.
9. REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.

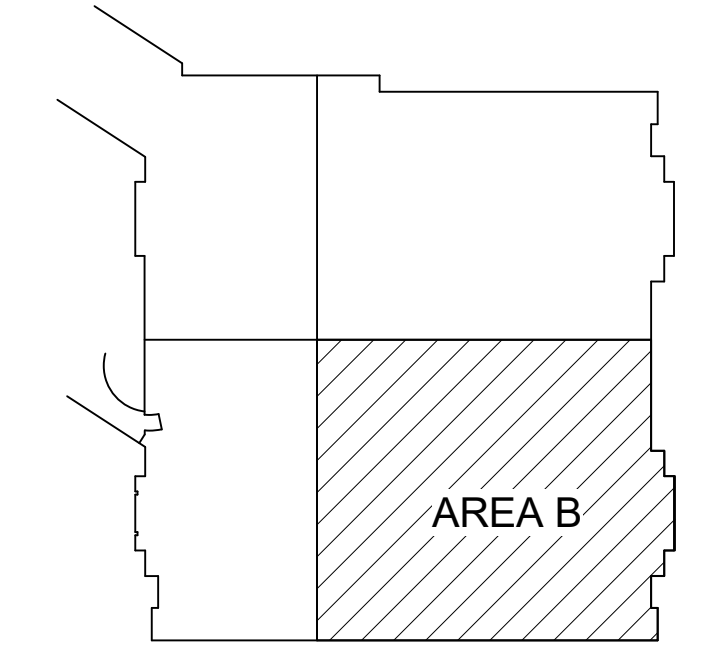
SPECIFIC SPECIFICATION

09-5200-A001 LAMINAR FLOW INTEGRATED CEILING SYSTEM

SPECIFIC CEILING PLAN NOTES

- (C1) PATCH, EXTEND, AND REPAIR EXISTING CEILING AS REQUIRED FOR NEW WALL.
- (C2) REMOVE AND REINSTALL CEILING AS REQUIRED FOR MEP WORK. REFER TO DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
- (C3) GYPSUM BOARD SOFFIT ON METAL STUD FRAMING - TYPICAL ABOVE EXISTING EXTERIOR WINDOWS.
- (C4) TIE NEW CEILING INTO EXISTING CEILING
- (C5) CEILING MOUNTED TRACKING MONITOR. PROVIDE BLOCKING ABOVE CEILING AS REQUIRED.

1 SECOND FLOOR REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"



KEYPLAN

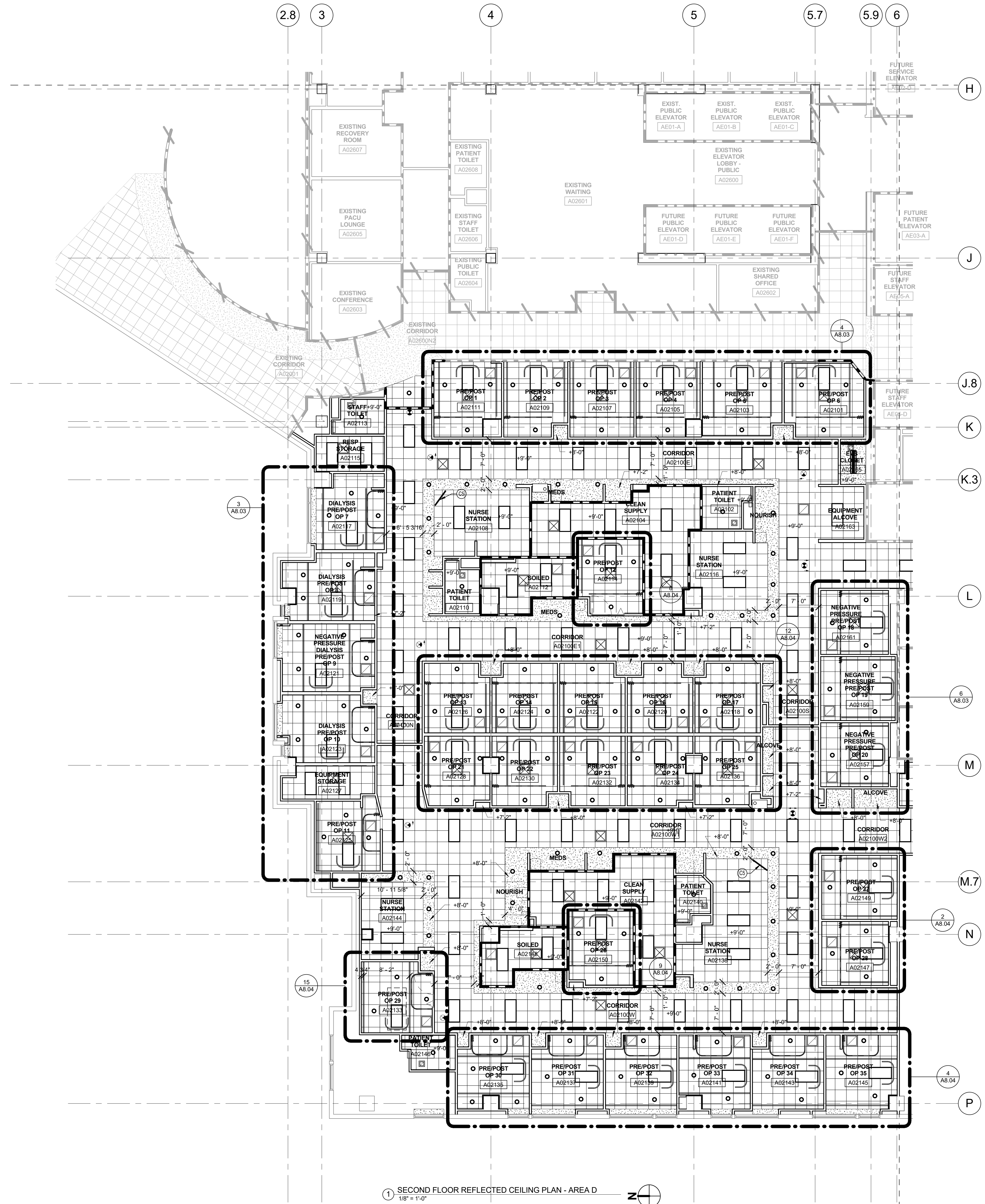
20 AUGUST 2018
1/8" = 1'-0"
ERG
23801

Date:
Scale:
Drawn by:
Project #:
Revisions:

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

ARTENA
The Art and Science of Innovation
Alpha Design
331 East New York Street, Lexington, KY 40504
202.207.1111
www.artena.com

SECOND FLOOR REFLECTED CLG PLAN - AREA B
A2.21B



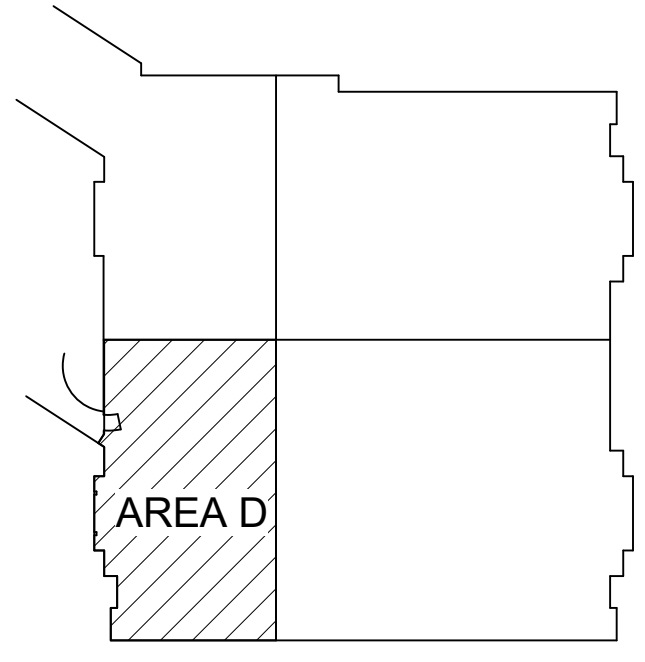
1 SECOND FLOOR REFLECTED CEILING PLAN - AREA D
1/8" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

- CENTER LIGHTS IN THE CEILING TILE AT ALL LOCATIONS UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT WHENEVER THERE IS A CONFLICT.
- REFER TO SHEET L1.02 FOR CEILING HEIGHTS.
- ALL BULKHEADS SHALL RECEIVE PAINT.
- REFER TO SHEET L1.02 FOR REFLECTED CEILING PLAN LEGEND.
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- REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.

SPECIFIC CEILING PLAN NOTES

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- (C3) GYPSUM BOARD SOFFIT ON METAL STUD FRAMING - TYPICAL ABOVE EXISTING EXTERIOR WINDOWS.
- (C4) TIE NEW CEILING INTO EXISTING CEILING
- (C5) CEILING MOUNTED TRACKING MONITOR. PROVIDE BLOCKING ABOVE CEILING AS REQUIRED.



KEYPLAN

20 AUGUST 2018
1/8" = 1'-0"
ERG
23801

Date: _____
Scale: _____
Drawn by: _____
Project #: _____
Revisions: _____

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

ART EKNA
The Art and Science of Innovation
Architectural Firm
311 East New Street, Lexington, KY 40502
202.202.1111
www.artekna.com

SECOND FLOOR REFLECTED CLG PLAN - AREA D
A2.21D

GENERAL REFLECTED CEILING PLAN NOTES

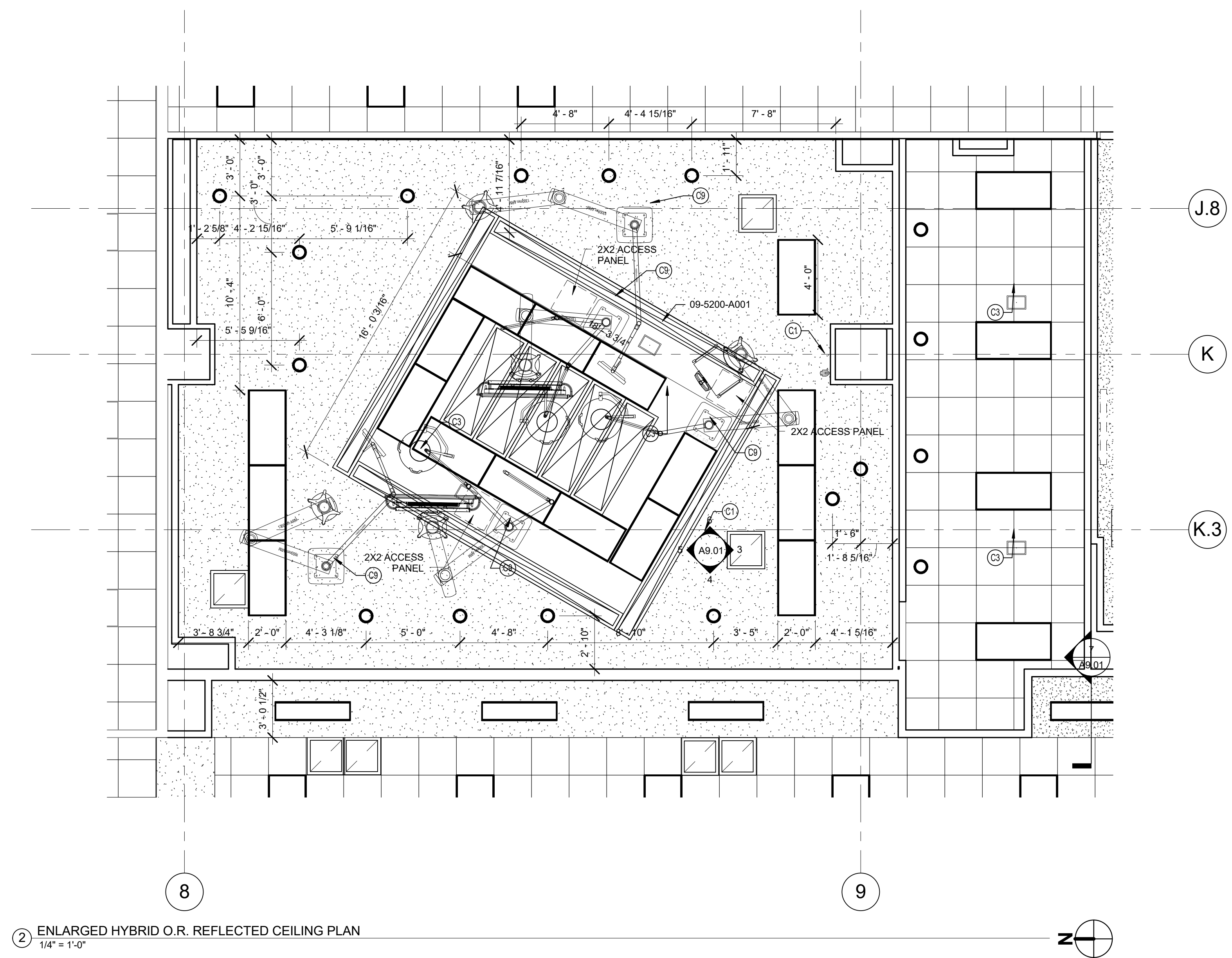
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- REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.

SPECIFIC SPECIFICATION

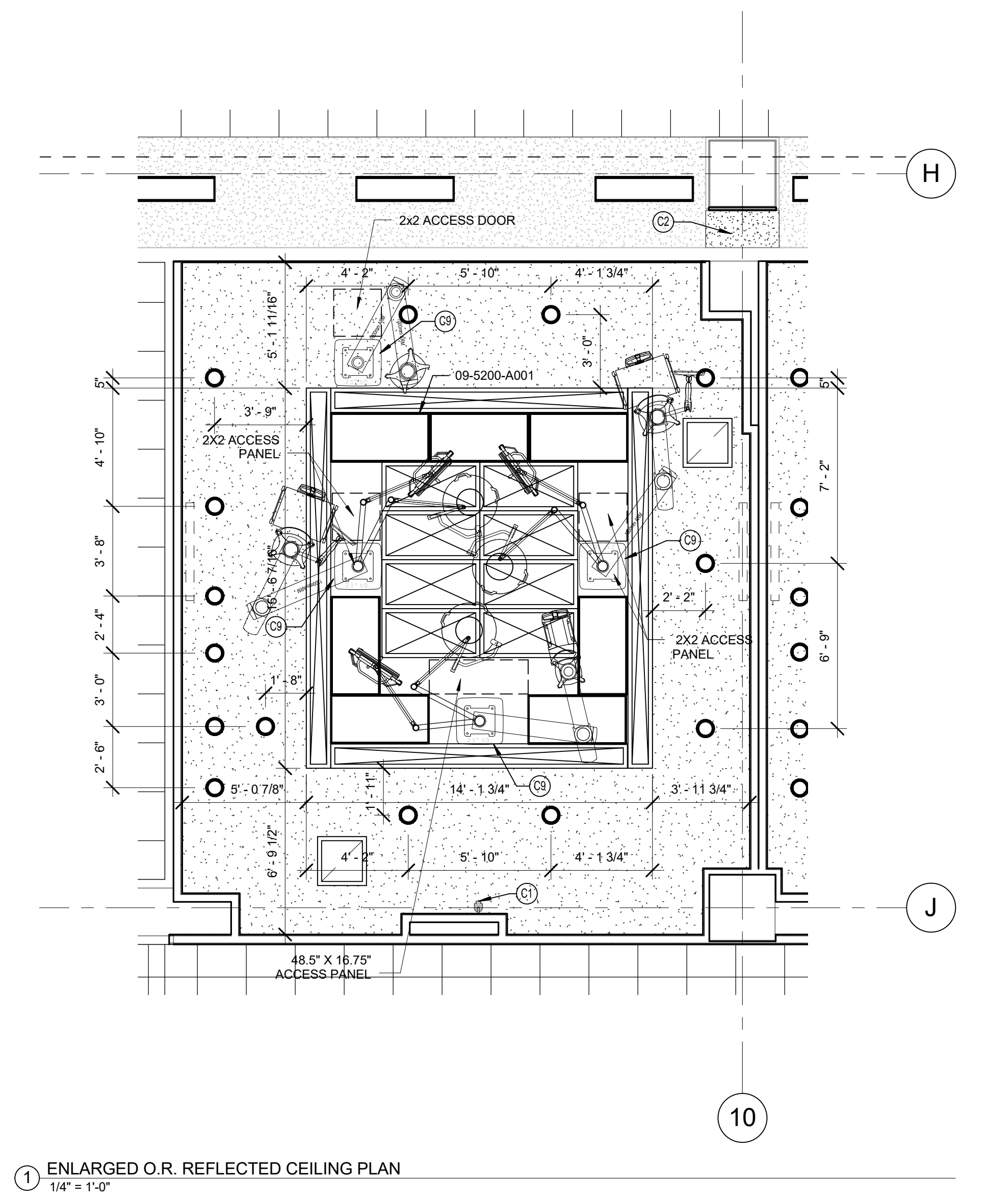
09-5200-A001 LAMINAR FLOW INTEGRATED CEILING SYSTEM

SPECIFIC ENLARGED REFLECTED CEILING PLAN NOTES

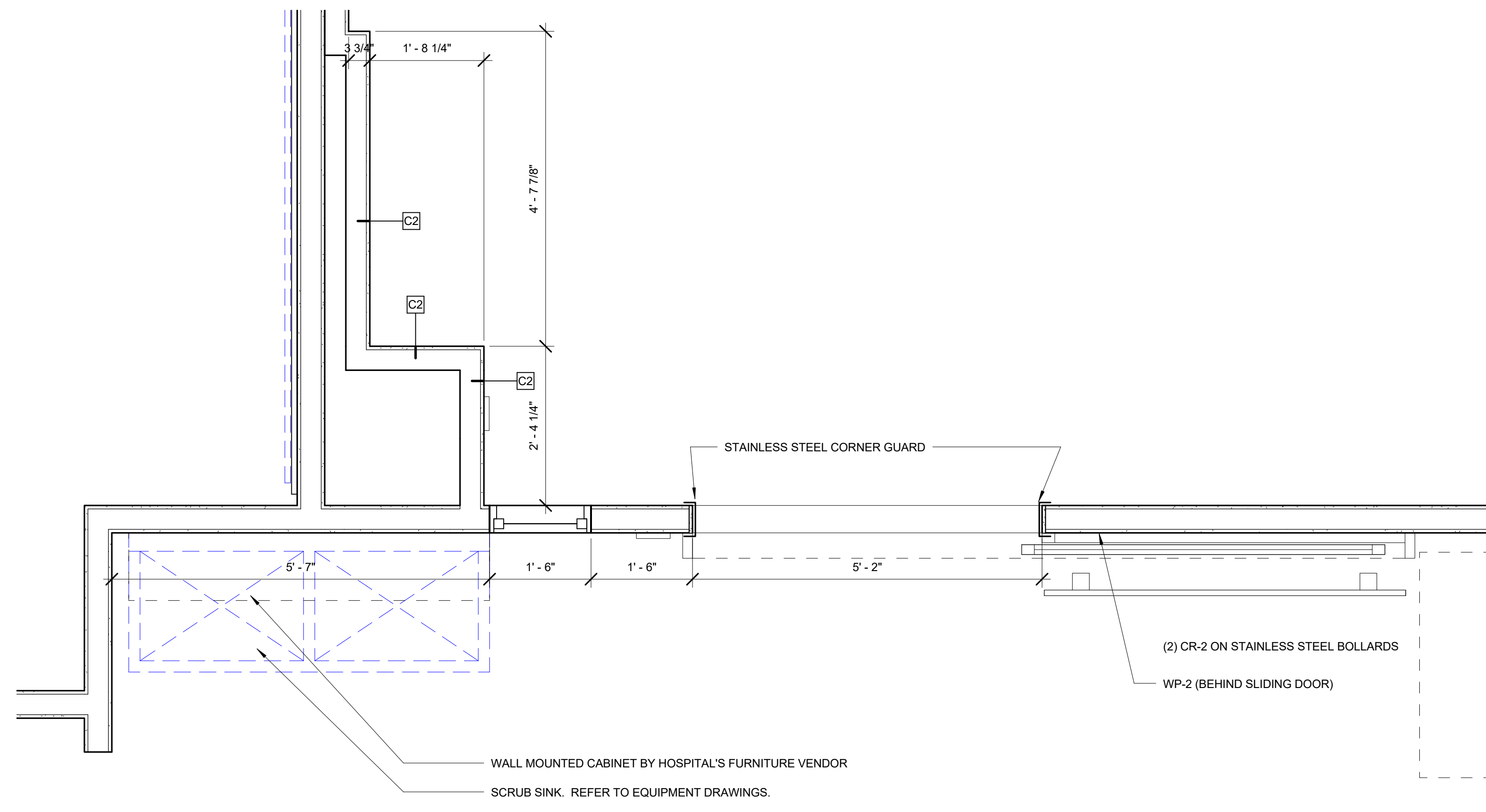
- **NOTE: NOT ALL NOTES APPEAR ON EACH SHEET****
- (C1) CAMERA LOCATION. REFER TO STRYKER VENDOR INFORMATION.
 - (C2) PATCH IN NEW CEILING AT EXISTING CEILING TO REMAIN
 - (C3) CEILING MOUNTED SPEAKER. REFER TO STRYKER VENDOR INFORMATION.
 - (C4) CUT CEILING TILE AS REQUIRED TO ALLOW A FULL CEILING TILE ADJACENT TO DOOR.
 - (C5) CENTER LIGHT OVER BED
 - (C6) CUBICLE CURTAIN TRACK
 - (C7) LV. TRACK CENTERED OVER BED UNLESS NOTED OTHERWISE.
 - (C8) OFVI PATIENT LIFT RAILS. REFER TO VENDOR INFORMATION. ANY SCREWS THAT GO INTO RAILS SHALL BE PER LIFT RAIL MANUFACTURER'S RECOMMENDATION.
 - (C9) CONTRACTOR SHALL INSTALL OWNER FURNISHED BOOM AND LIGHT SUPPORTS ABOVE CEILING, TYPICAL AT ALL LOCATIONS. REFER TO VENDOR DRAWINGS FROM HEALTHCARE TECHNOLOGY FOR ADDITIONAL INFORMATION AND LOCATION DIMENSIONS.



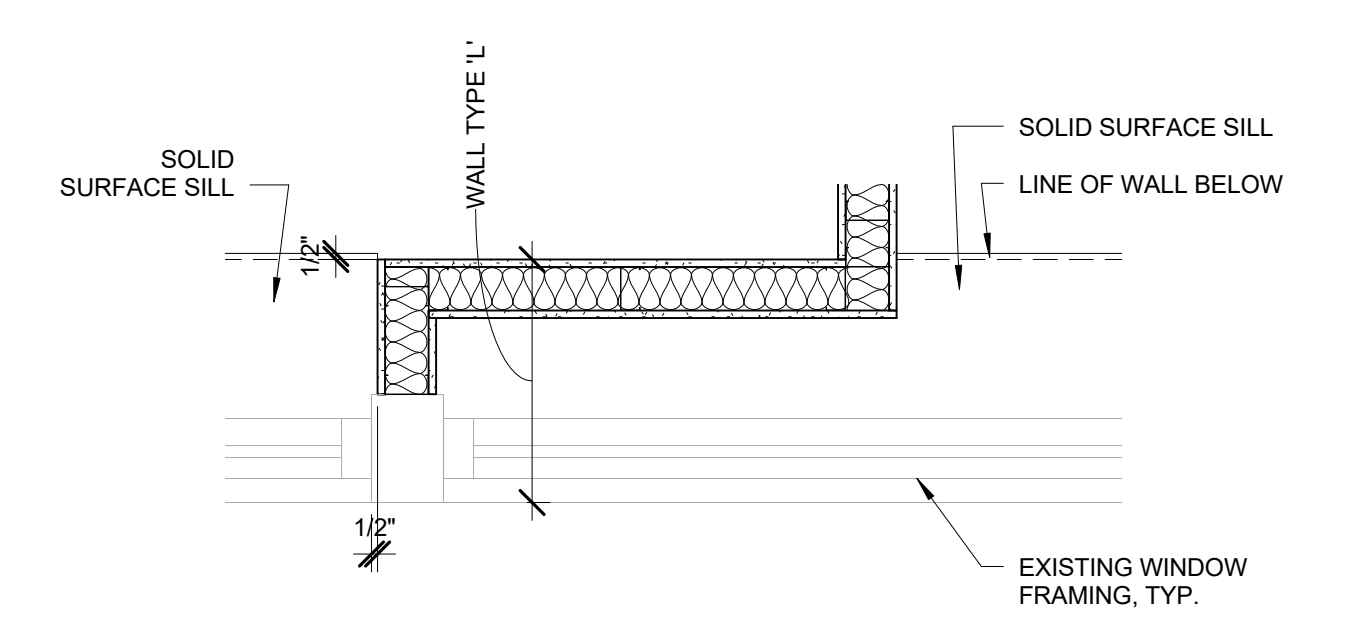
2 ENLARGED HYBRID O.R. REFLECTED CEILING PLAN
1/4" = 1'-0"



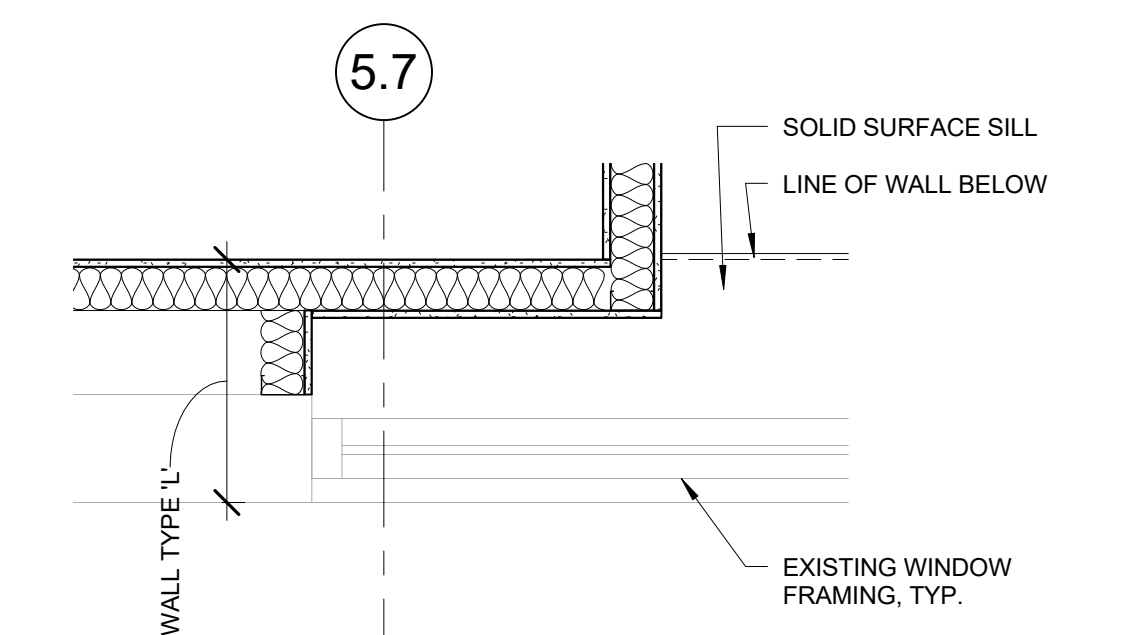
1 ENLARGED O.R. REFLECTED CEILING PLAN
1/4" = 1'-0"



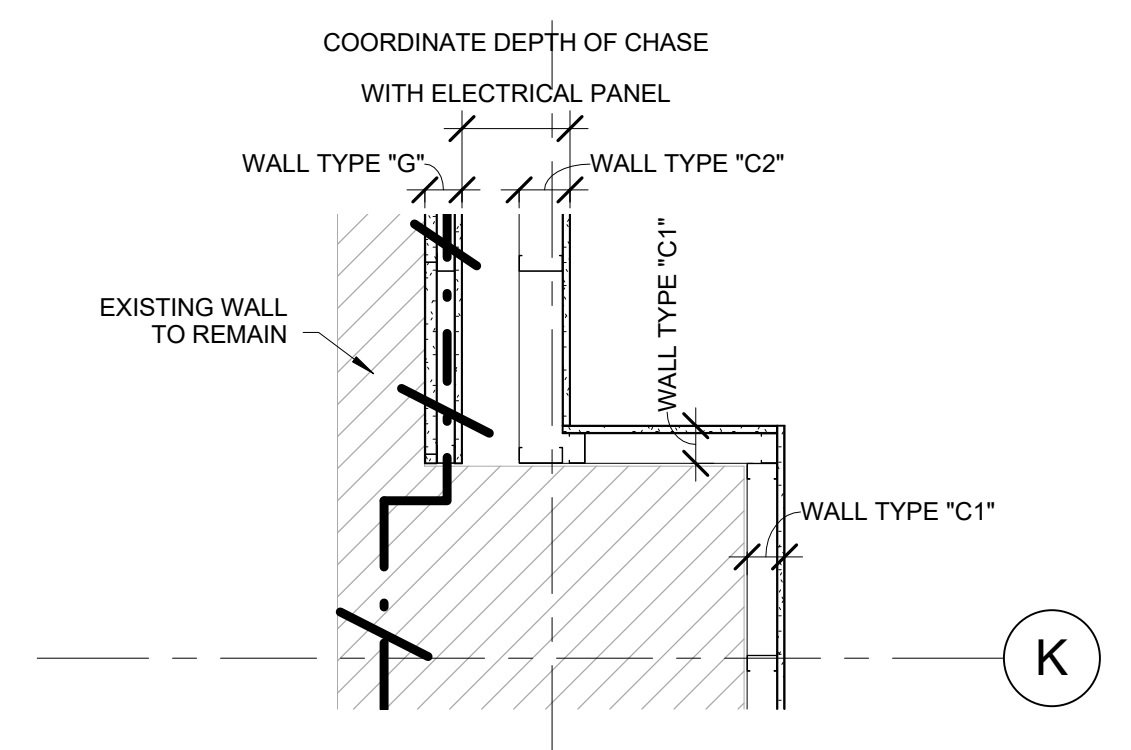
10 PLAN DETAIL
3/4" = 1'-0"



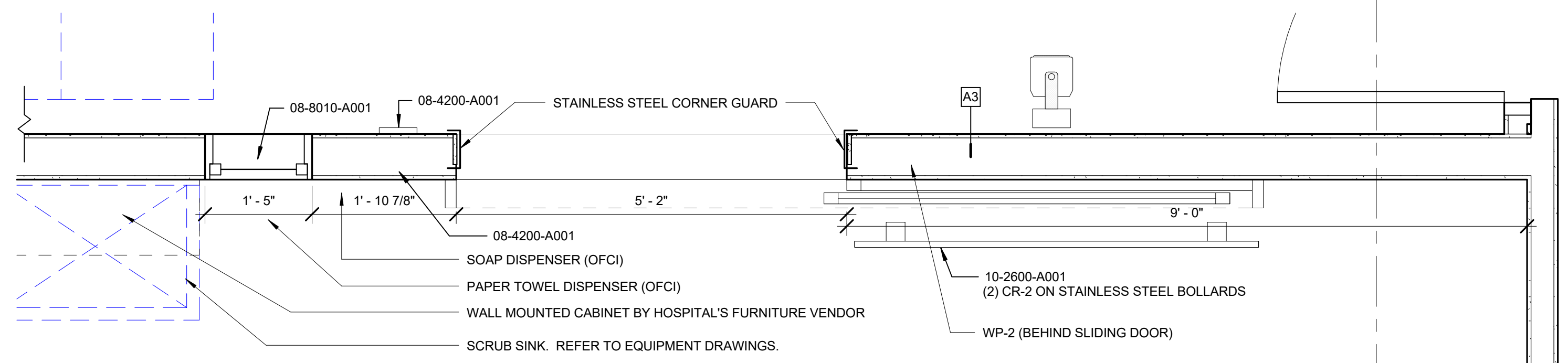
9 PLAN DETAIL
3/4" = 1'-0"



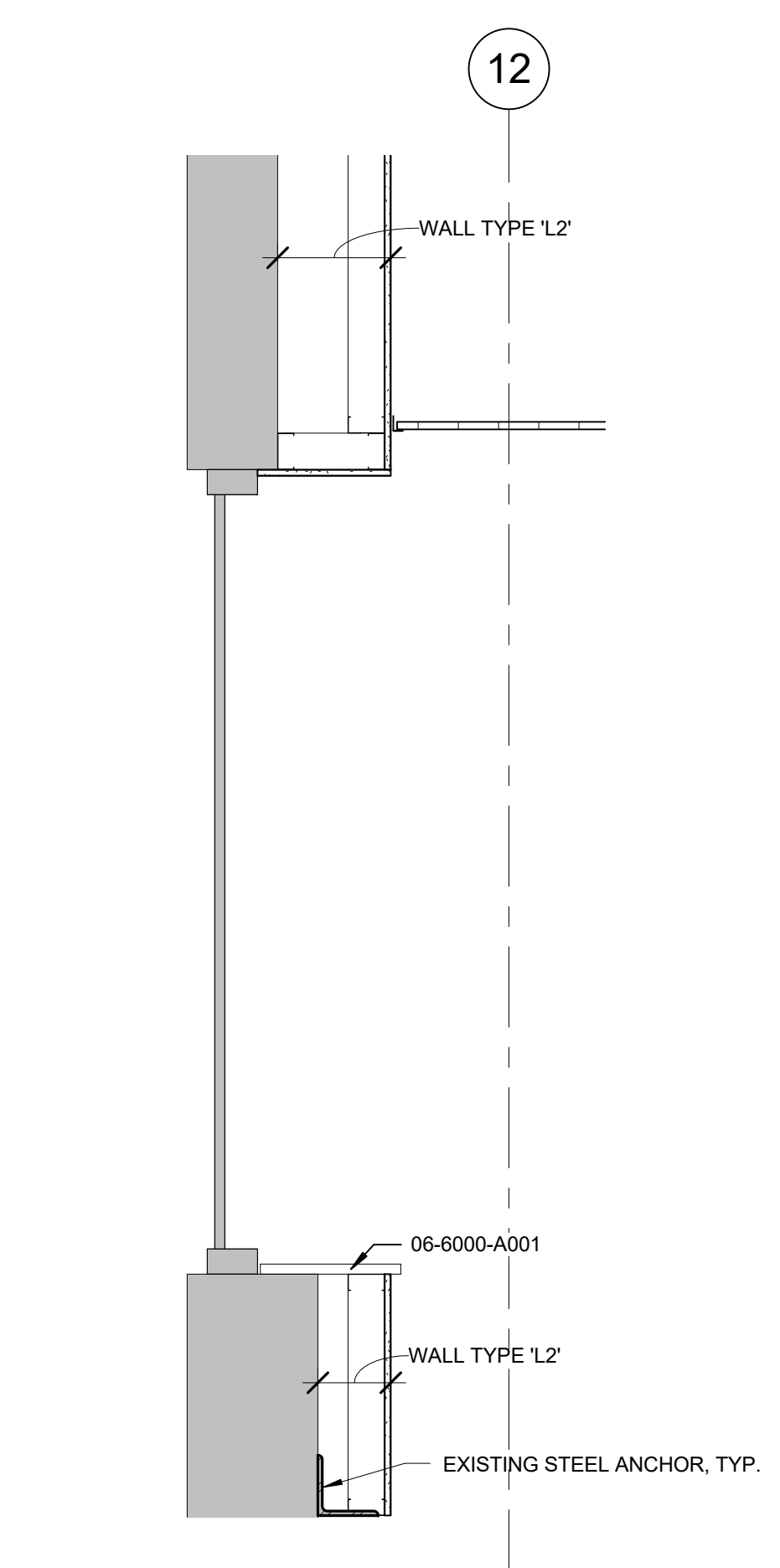
8 PLAN DETAIL
3/4" = 1'-0"



4 PLAN DETAIL
3/4" = 1'-0"



2 PLAN DETAIL
3/4" = 1'-0"



7 WALL SECTION
3/4" = 1'-0"

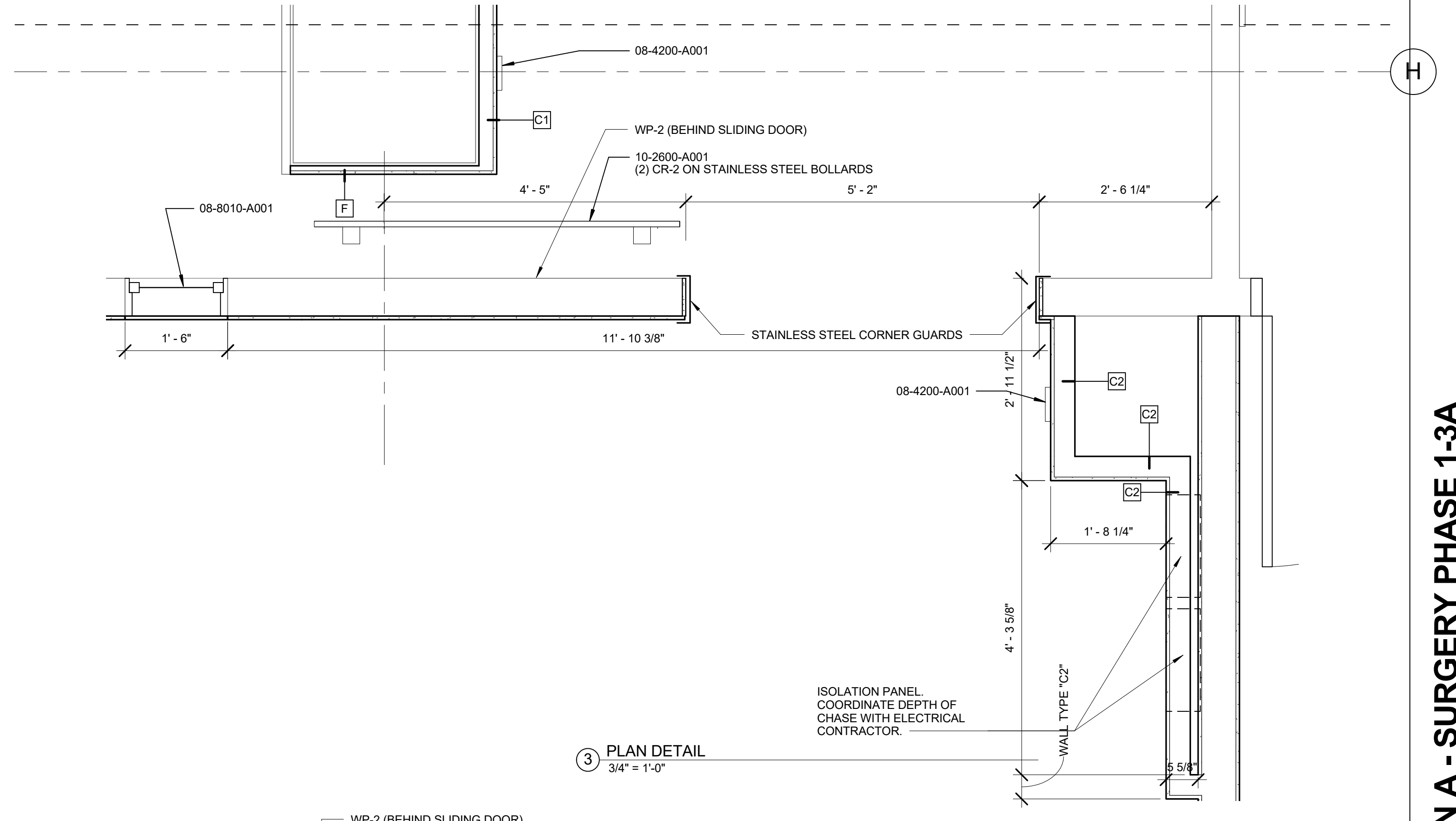
SPECIFIC SPECIFICATION

06-6000-A001 SOLID SURFACE WINDOW SILL

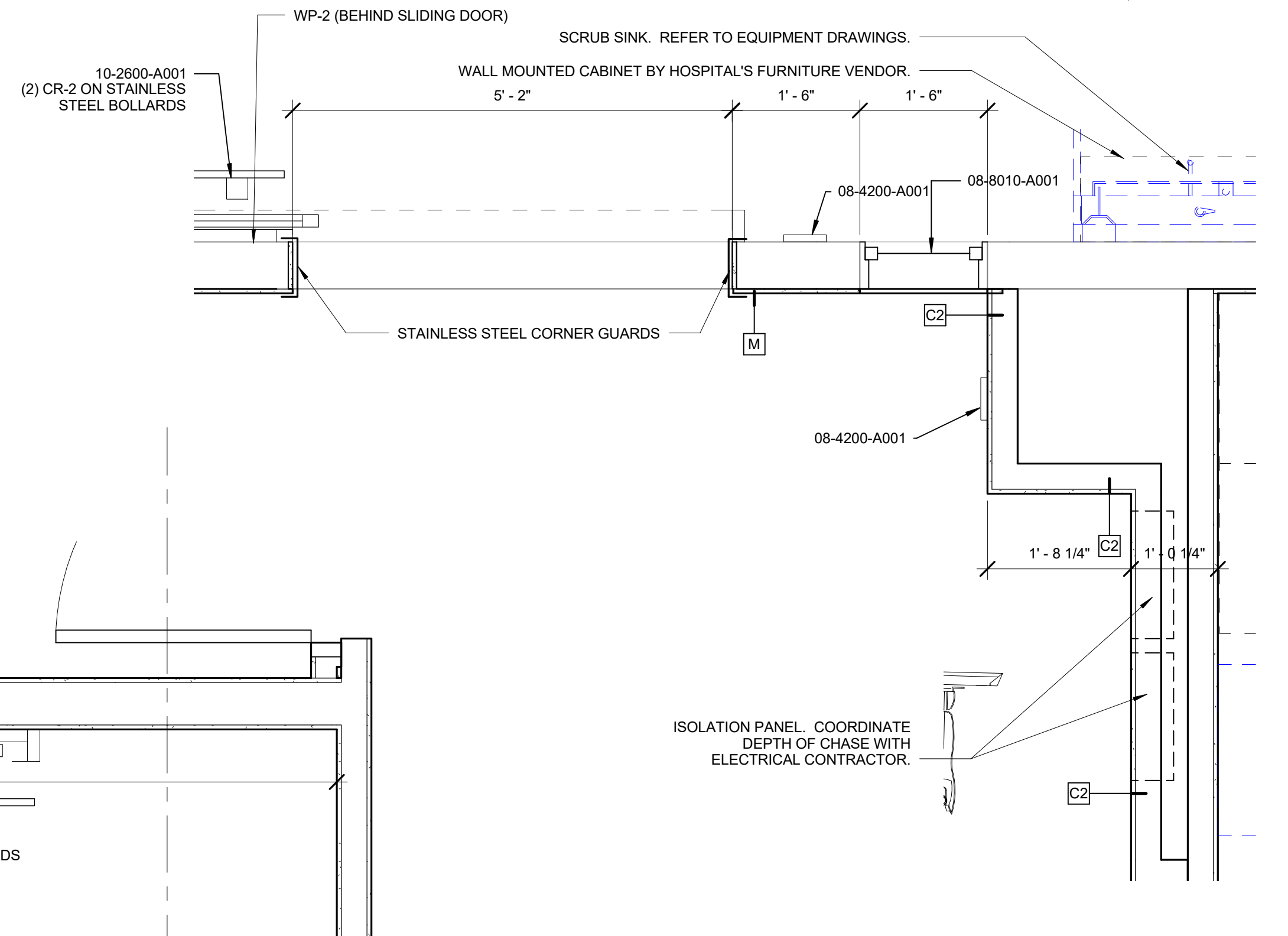
08-4200-A001 AUTOMATIC SLIDING DOOR ACTIVATION SWITCHES - TOUCHLESS

08-8010-A001 WINDOW UNIT WITH INTEGRAL BLINDS

10-2600-A001 STAINLESS STEEL GUARDRAIL, (2) STAINLESS STEEL 3X3X1/4" BY 24" HIGH BOLLARDS WITH (2) 4" WIDE STAINLESS STEEL GUARDS. REFER TO SECTION 055000 FOR BOLLARD INFORMATION.



3 PLAN DETAIL
3/4" = 1'-0"



1 PLAN DETAIL
3/4" = 1'-0"

20 AUGUST 2018
3/4" = 1'-0"
ERG
23801

Date:
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Project #:
Revisions:

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PAVILION A - SURGERY PHASE 1-3A
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RECORD DRAWINGS

ART EKNA
The Art and Science of Innovation
Architects, Engineers, Planners, and Interiors
331 East New York Street, Lexington, KY 40502
202.207.1111 | www.artekna.com

PLAN DETAILS
A7.01

GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEET L1.01 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "A2" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE, AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET L1.03 FOR HANDICAPPED ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF ADA HANDICAPPED ACCESSIBILITY CODE. REFER TO SHEET L1.03 FOR DOOR CLEARANCE REQUIREMENTS.
- REMOVE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 3" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 25" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL 'SLIP-TRACK' STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- UNLESS NOTED OTHERWISE, ALL WINDOW SILLS SHALL BE SOLID SURFACE.
- COORDINATE WITH OWNER AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIRFLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING, DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET L1.02 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- REFER TO WALL PRIORITY LEGEND AND WALL PRIORITY DIAGRAM FOR INFORMATION REGARDING INTERSECTION OF RATED AND NON-RATED WALLS.
- REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY DRAWINGS, AND ARCHITECTURAL INTERIOR ELEVATIONS FOR MEDICAL GASES, NURSE CALL, AND CODE BLUE RECEPTACLES AND DEVICES.
- REFER TO PHYSICIST REPORT IN THE PROJECT MANUAL FOR SPECIFIC RADIATION PROTECTION REQUIREMENTS. CONFIRM THAT RADIATION PROTECTION INDICATED ON THE ARCHITECTURAL DRAWINGS IS CONSISTENT WITH SPECIFIC REQUIREMENTS OF THE PHYSICIST REPORT.
- AT FIT-OUT OF PREVIOUSLY SHELLED SPACES, REMOVE EXISTING FIRE EXTINGUISHERS AND TURN OVER TO THE OWNER.

SPECIFIC SPECIFICATION

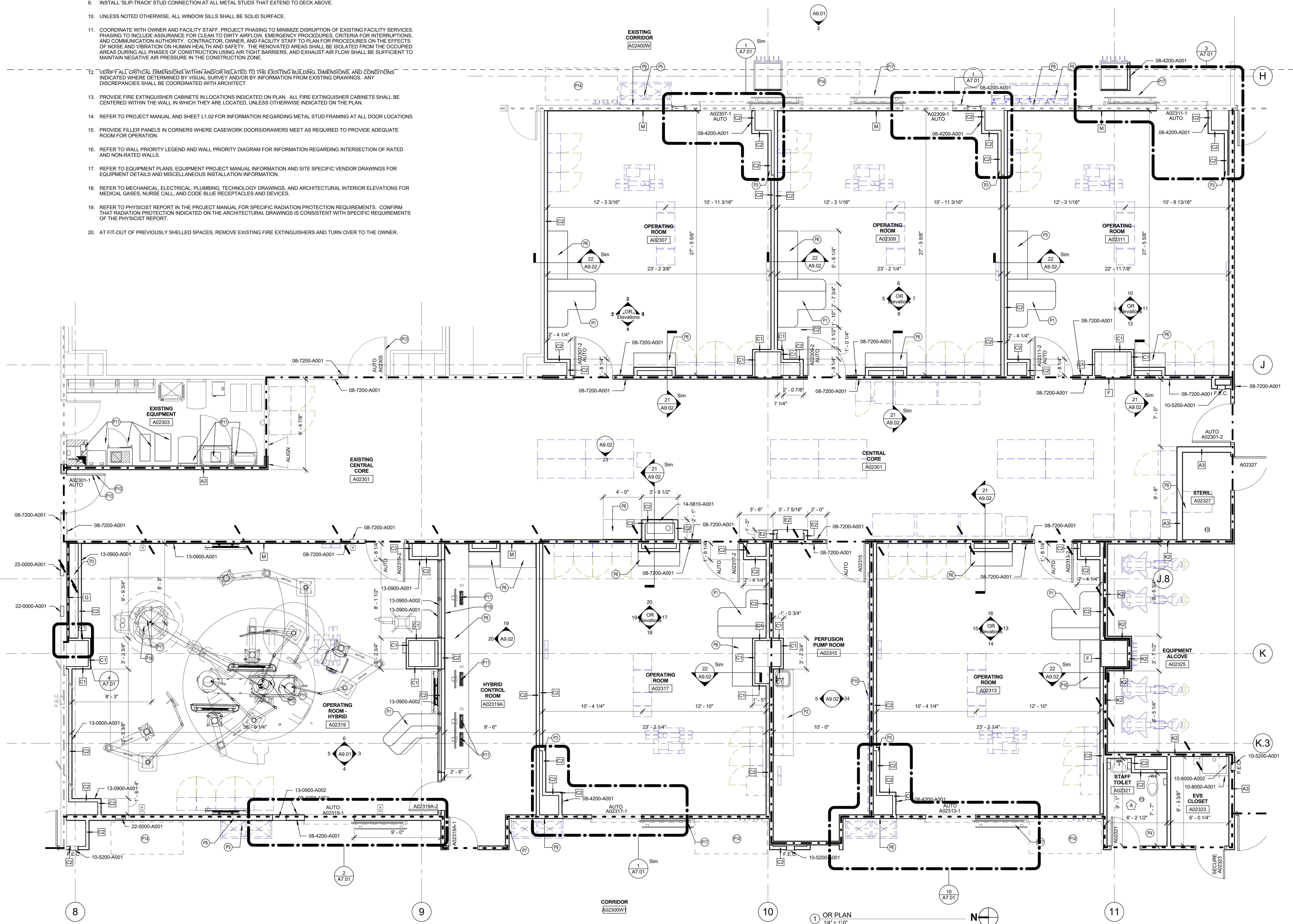
- 08-4200-A001 AUTOMATIC SLIDING DOOR ACTIVATION SWITCHES - TOUCHLESS
- 08-7200-A001 AUTOMATIC DOOR ACTIVATION SWITCH - TOUCHLESS AND/OR CARDREADER
- 10-5200-A001 FULLY RECESSED PAINTED FIRE EXTINGUISHER CABINET
- 10-8000-A001 CUSTODIAL SHELF WITH MOP AND BROOM HOLDERS AND RAG HOOKS
- 10-8000-A002 SHELF UNIT
- 13-0900-A001 1/2" LEAD SHIELDING UNDER GYPSUM BOARD TO 7'-0" AFF
- 13-0900-A002 1/2" EQUIVALENT LEADED GLASS
- 14-5810-A001 PNEUMATIC TUBE STATION. COORDINATE GYPSUM BOARD FRAMING AS REQUIRED.
- 22-0000-A001 MEDICAL GAS ZONE VALVE CABINET

SPECIFIC O.R. FLOOR PLAN NOTES

- P1 DOCUMENTATION/SYNC STATION. REFER TO ORI VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
- P2 CASEWORK BY OTHERS. REFER TO MIDMARK VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
- P3 COORDINATE DEPTH OF CHASE REQUIRED FOR ELECTRICAL PANEL WITH ELECTRICAL CONTRACTOR.
- P4 REFER TO TYPICAL TOILET ROOM ELEVATIONS AND OTHER REQUIREMENTS ON L1.03 FOR THIS ROOM.
- P5 WALL CABINET BY OTHERS. REFER TO ORI VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
- P6 CUSTOM CASEWORK BY CONTRACTOR
- P7 EMERGENCY EYEWASH LOCATION. REFER TO PLUMBING DRAWINGS.
- P8 COORDINATE WALL OPENING REQUIREMENTS WITH RECESSED STERILIZER EQUIPMENT
- P9 OFVI SCRUB SINKS WITH OFCI CARRIERS
- P10 RELOCATE DOOR AND FRAME 1'-0" TO THE WEST. ADD AUTOMATIC OPERATOR.
- P11 REFER TO EQUIPMENT/VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.

SPECIFIC O.R. FLOOR PLAN NOTES (CONT)

- P12 REFER TO STRUCTURAL DRAWINGS FOR CONCRETE DETAIL BELOW VENDOR PROVIDED PATIENT TABLE.
- P13 ADD NEW AUTO DOOR OPERATOR TO EXISTING DOOR. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- P14 OFOI BED QUEUE LOCATION.
- P15 REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- P16 SOLID SURFACE COUNTERTOP BY CONTRACTOR
- P17 STAINLESS STEEL CRASH RAILS
- P18 REFER TO VENDOR DRAWINGS FOR FLOOR FLATNESS REQUIREMENTS. UTILIZE FLOOR PREPARATION UNDERLAYMENT AS REQUIRED TO ACHIEVE REQUIRED FLOOR FLATNESS AND ASSOCIATED TIE-IN TO ADJACENT CONCRETE.
- P19 16 GA METAL STUDS AND TREATED PLYWOOD BLOCKING UNDER WINDOW, BEHIND SIEMENS CONTROL ROOM DISTRIBUTOR.



20 AUGUST 2018
1/4" = 1'-0"
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23801

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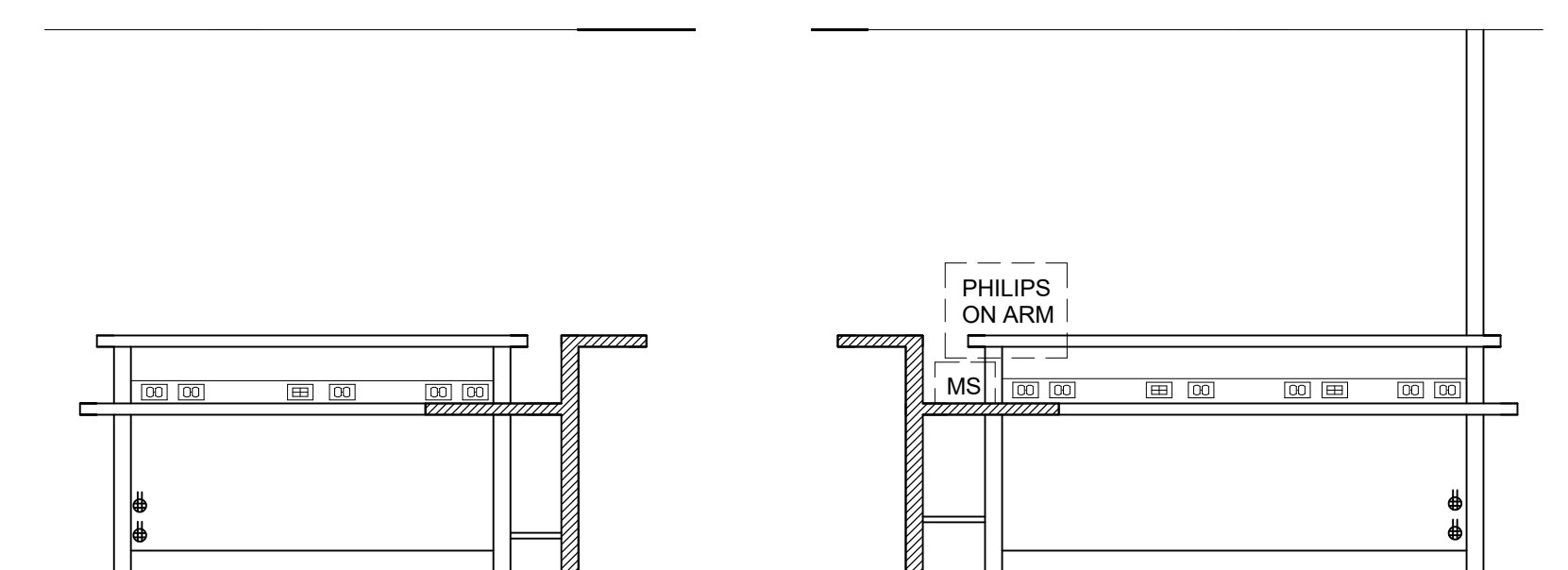
ENLARGED FLOOR PLANS
A8.01

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- PROVIDE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 3" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 25" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS.
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- INSTALL 'SLIP-TRACK' STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
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- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET L1.02 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- REFER TO WALL PRIORITY LEGEND AND WALL PRIORITY DIAGRAM FOR INFORMATION REGARDING INTERSECTION OF RATED AND NON-RATED WALLS.
- REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY DRAWINGS, AND ARCHITECTURAL INTERIOR ELEVATIONS FOR MEDICAL GASES, NURSE CALL, AND CODE BLUE RECEPTACLES AND DEVICES.
- REFER TO PHYSICIST REPORT IN THE PROJECT MANUAL FOR SPECIFIC RADIATION PROTECTION REQUIREMENTS. CONFIRM THAT RADIATION PROTECTION INDICATED ON THE ARCHITECTURAL DRAWINGS IS CONSISTENT WITH SPECIFIC REQUIREMENTS OF THE PHYSICIST REPORT.
- AT FIT-OUT OF PREVIOUSLY SHELLED SPACES, REMOVE EXISTING FIRE EXTINGUISHERS AND TURN OVER TO THE OWNER.

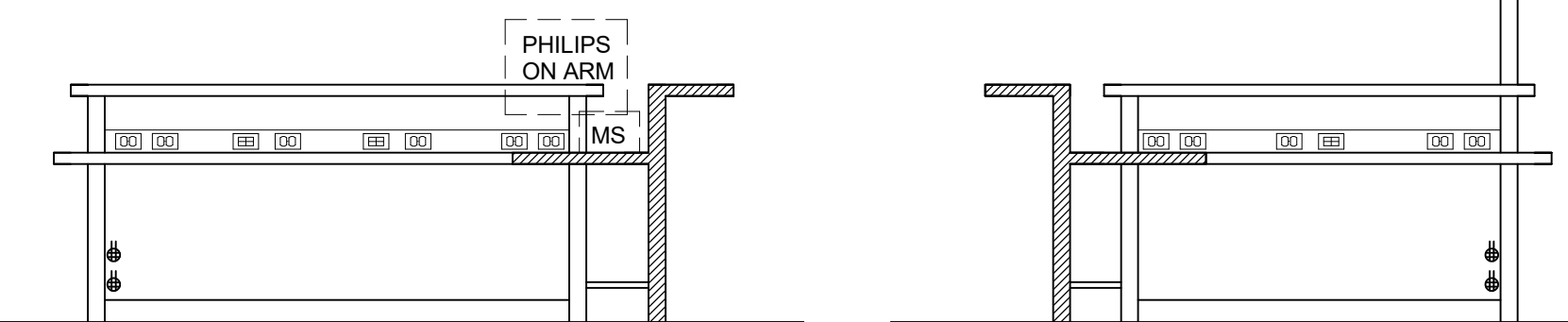
SPECIFIC SPECIFICATION

- 10-5200-A001 FULLY RECESSED PAINTED FIRE EXTINGUISHER CABINET
 14-5810-A001 PNEUMATIC TUBE STATION. COORDINATE GYPSUM BOARD FRAMING AS REQUIRED.



4 NURSE STATION A02108
3/8" = 1'-0"

5 NURSE STATION A02108
3/8" = 1'-0"

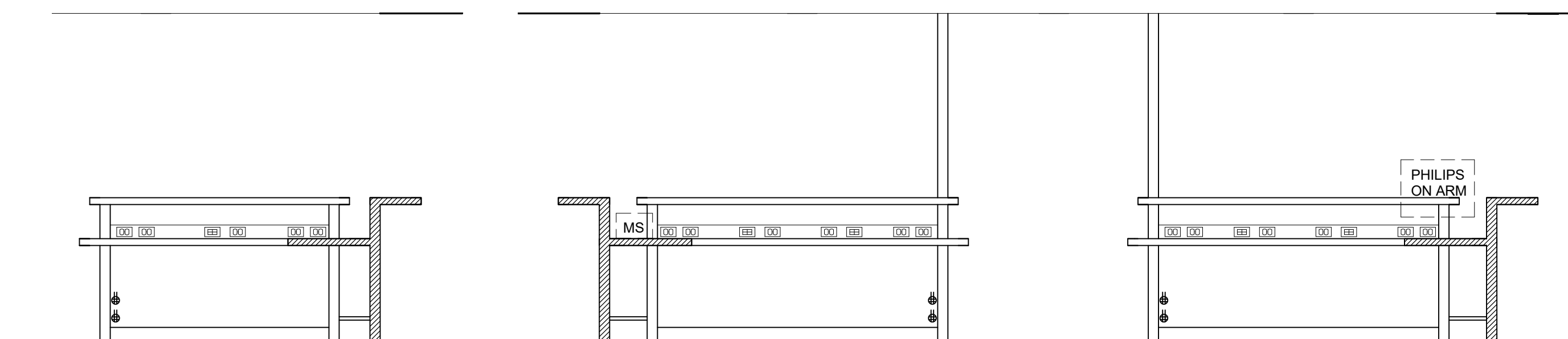


6 NURSE STATION A02116
3/8" = 1'-0"

7 NURSE STATION A02116
3/8" = 1'-0"

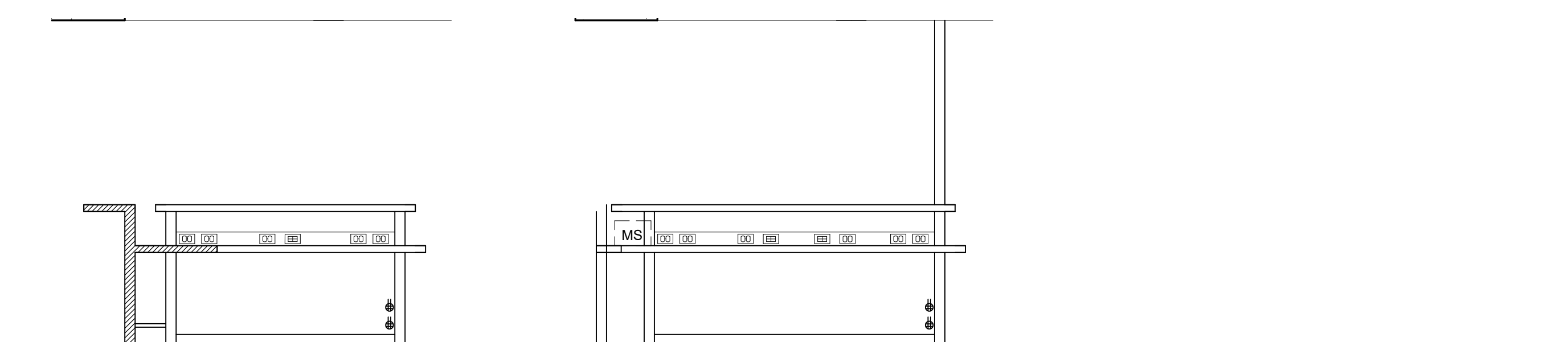
SPECIFIC PACU PLAN NOTES

- DOCUMENTATION/SYNC STATION. REFER TO ORI VENDOR DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR INSTALLED.
- CASEWORK BY OTHERS. REFER TO MIDMARK VENDOR DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR INSTALLED.
- OFCE BASKETS AND RAILS. MODIFY RAILS AS REQUIRED FOR OUTLET INSTALLATION.
- DECK MOUNTED EYEWASH. REFER TO PLUMBING INFORMATION.
- 16 GA METAL STUDS AND TREATED PLYWOOD BLOCKING BEHIND ICE MACHINE. TREATED PLYWOOD TO BE THE SAME DIMENSIONS AS THE ICE MACHINE REAR PANEL.
- PHILIPS SLAVE MONITOR ON ARM
- NURSE CALL MAIN STATION.
- CLERK STATION
- CHARGE STATION
- PHILIPS MAIN STATION
- FORM STORAGE. REFER TO ORI VENDOR DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE TREATED WOOD BLOCKING AS REQUIRED.
- CFCI CUSTOM METAL RACEWAY BETWEEN SYNC STATION WALLS.
- SOLID SURFACE COUNTERTOP BY CONTRACTOR
- WALL CABINETS BY OTHERS. REFER TO MIDMARK VENDOR DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR INSTALLED.



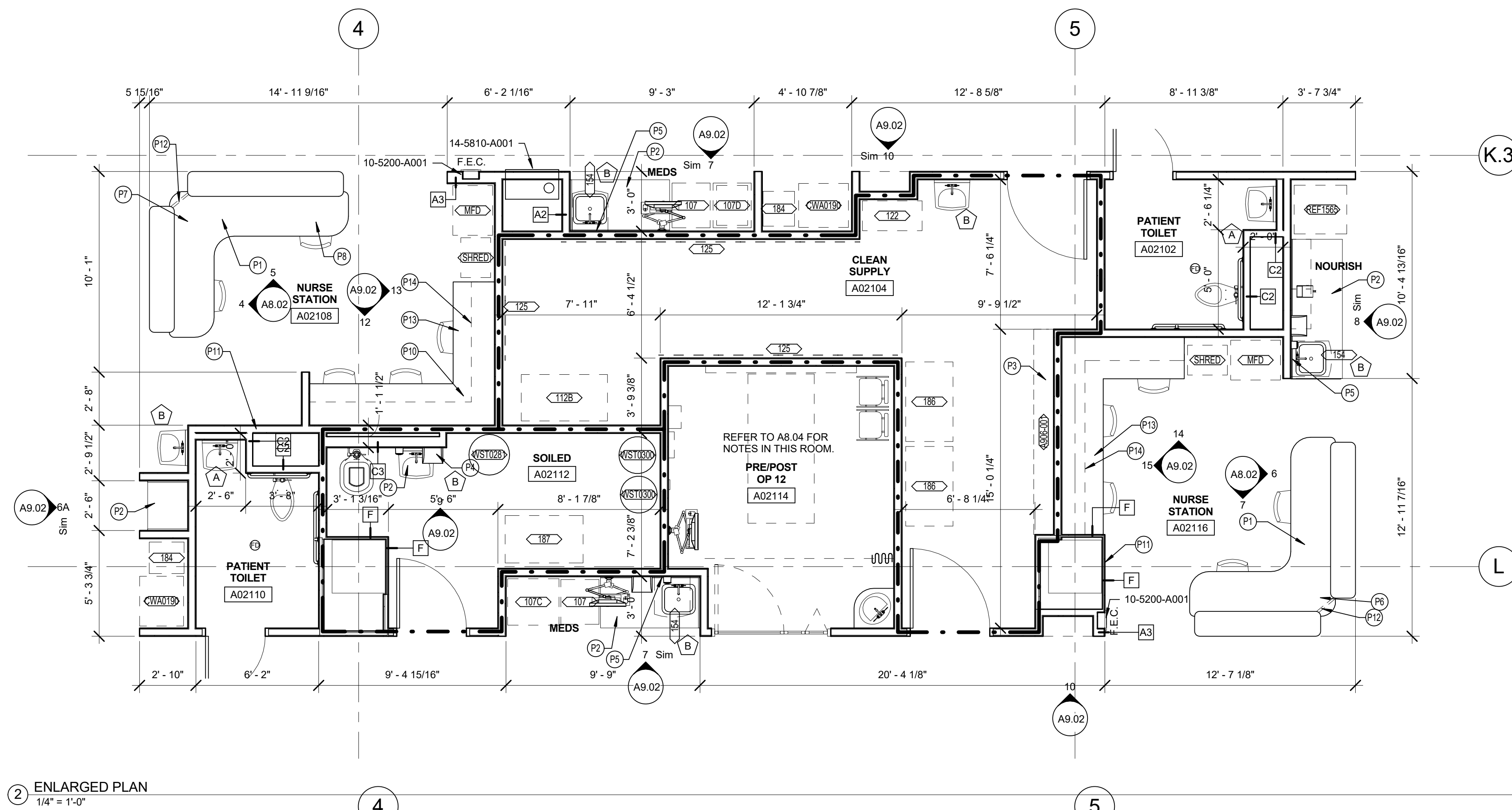
8 NURSE STATION A02138
3/8" = 1'-0"

9 NURSE STATION A02138
3/8" = 1'-0"

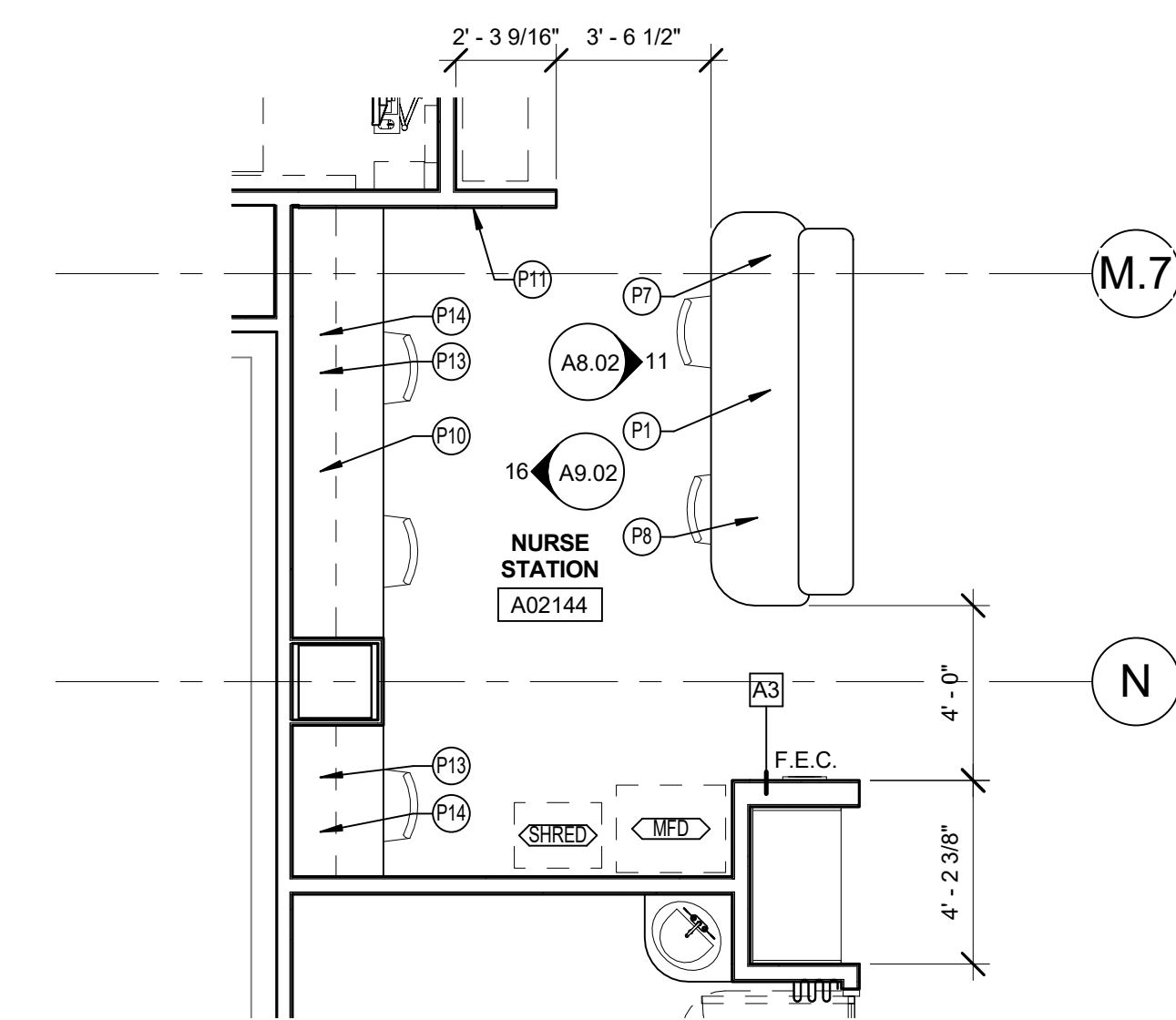


10 NURSE STATION A02138
3/8" = 1'-0"

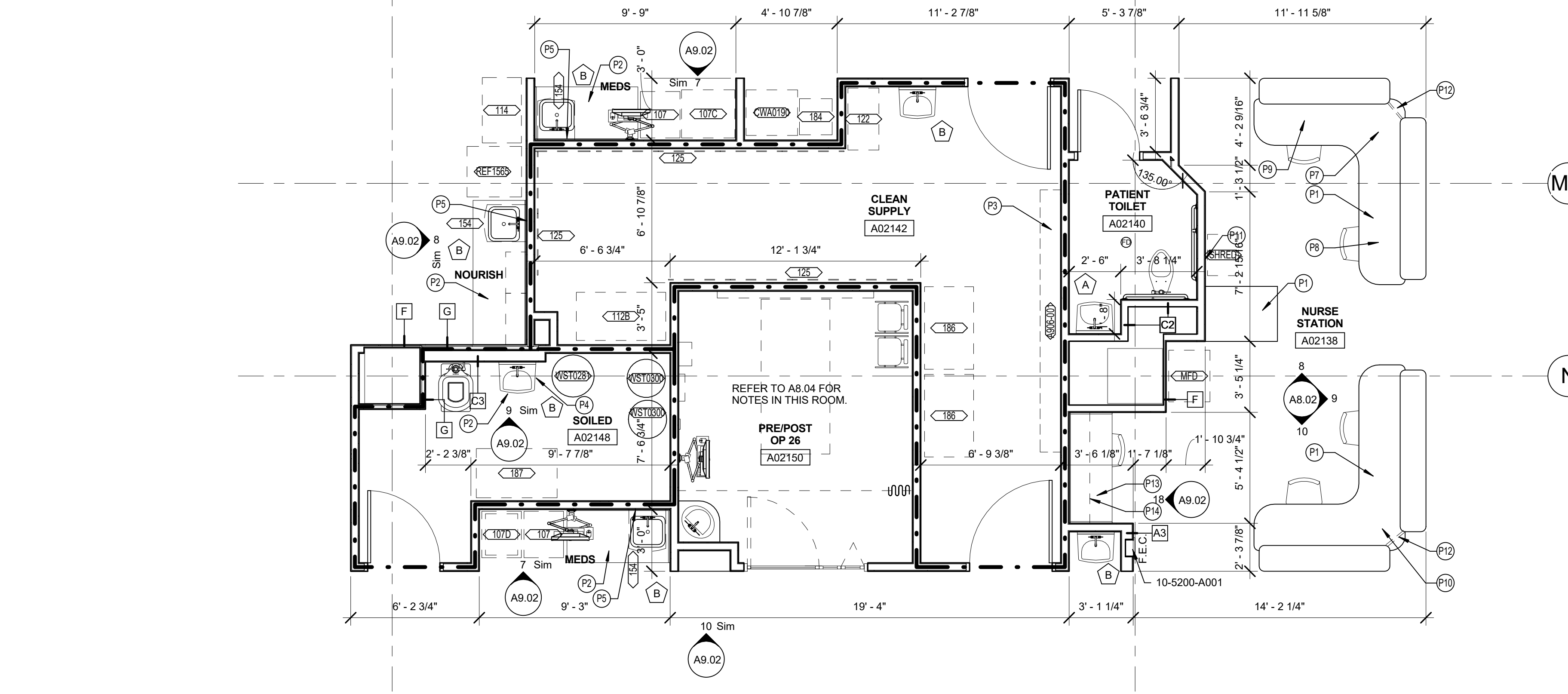
11 NURSE STATION A02144
3/8" = 1'-0"



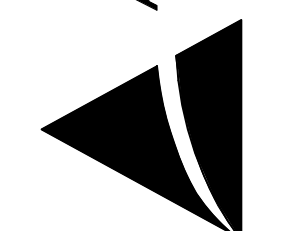
2 ENLARGED PLAN
1/4" = 1'-0"



3 NURSE STATION A02144
1/4" = 1'-0"



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



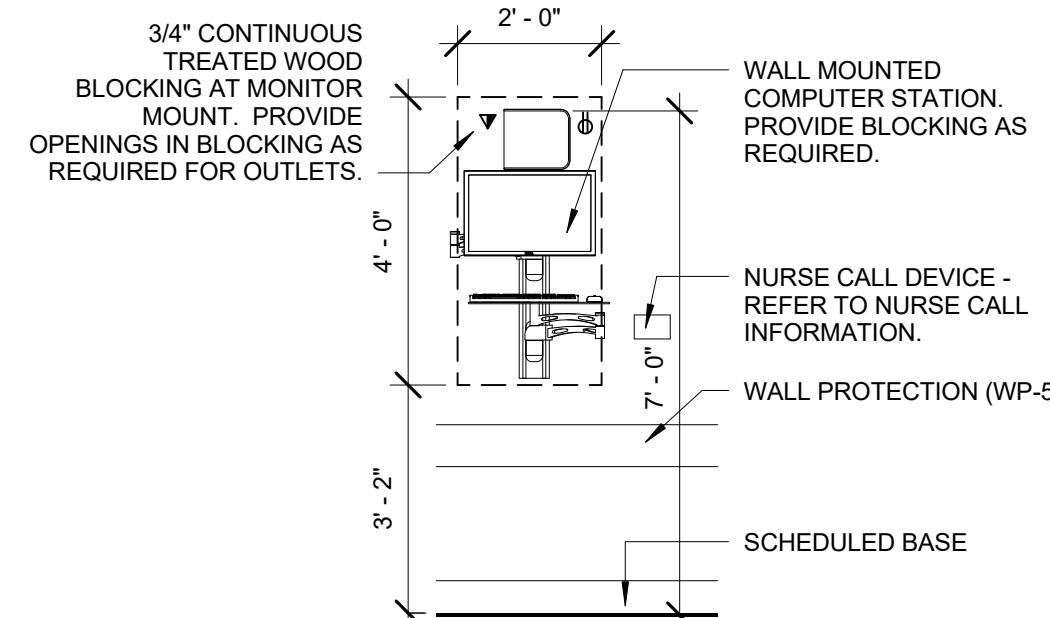
GENERAL REFLECTED CEILING PLAN NOTES

- CENTER LIGHTS IN THE CEILING TILE AT ALL LOCATIONS UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT WHENEVER THERE IS A CONFLICT.
- REFER TO SHEET L1.02 FOR CEILING HEIGHTS.
- ALL BULKHEADS SHALL RECEIVE PAINT.
- REFER TO SHEET L1.02 FOR REFLECTED CEILING PLAN LEGEND.
- COORDINATE REFLECTED CEILING PLAN WITH INTERIOR, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION INFORMATION. CEILING DEVICES SHOWN ON THIS PLAN ARE FOR PURPOSES OF LAYOUT WITHIN THE CEILING.
- DEVICES SHOWN ON ELECTRICAL OR TECHNOLOGY DRAWINGS BUT NOT SHOWN ON THESE PLANS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE.
- SOFFITS AND BULKHEADS. PROVIDE FINISHED SOFFITS AND BULKHEADS AT CEILING TRANSITIONS AND WHERE INDICATED. CONSTRUCT WITH 5/8" GYPSUM BOARD ON MINIMUM 3/8" METAL STUD FRAMING. EXTEND VERTICAL FRAMING TO THE STRUCTURE ABOVE AND EXTEND VERTICAL FACES OF GYPSUM BOARD TO 6" ABOVE ADJACENT CEILING.
- COORDINATE LOCATIONS OF EXIT SIGNS WITH OWNER PROVIDED CEILING MOUNTED SIGNS. ADJUST EXIT SIGN LOCATIONS FROM CORRIDOR CENTERLINES WHERE REQUIRED TO READ OWNER PROVIDED SIGNS.
- REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.

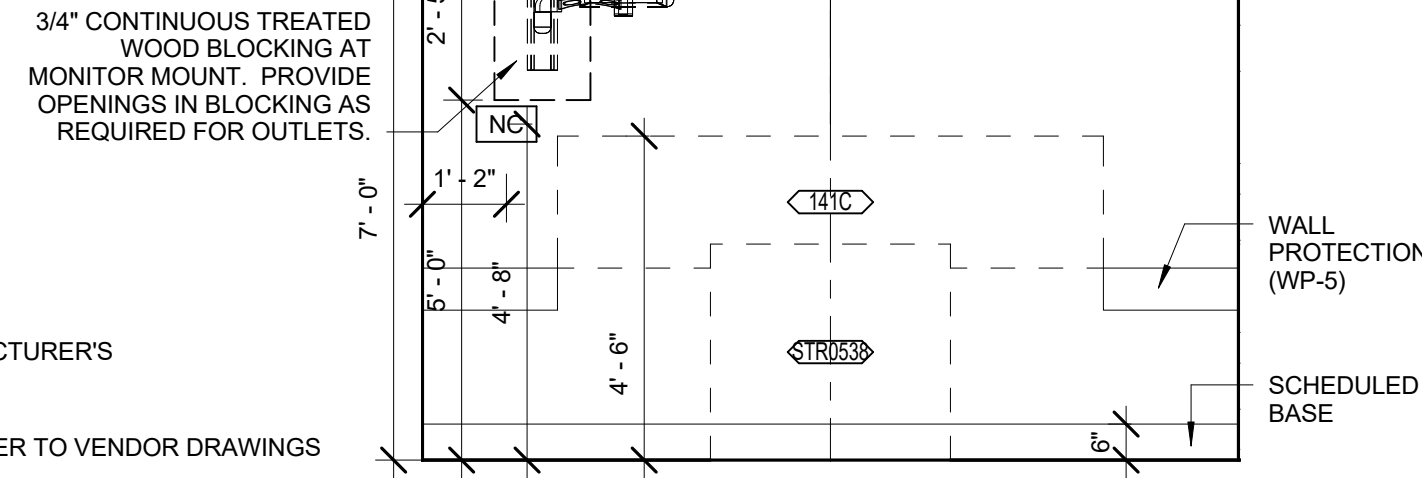
SPECIFIC ENLARGED REFLECTED CEILING PLAN NOTES

NOTE: NOT ALL NOTES APPEAR ON EACH SHEET

- CAMERA LOCATION. REFER TO STRYKER VENDOR INFORMATION.
- PATCH IN NEW CEILING AT EXISTING CEILING TO REMAIN
- CEILING MOUNTED SPEAKER. REFER TO STRYKER VENDOR INFORMATION.
- CUT CEILING TILE AS REQUIRED TO ALLOW A FULL CEILING TILE ADJACENT TO DOOR.
- CENTER LIGHT OVER BED
- CUBICLE CURTAIN TRACK
- I.V. TRACK CENTERED OVER BED UNLESS NOTED OTHERWISE.
- OFVI PATIENT RAIL FALLS. REFER TO VENDOR INFORMATION. ANY SCREWS THAT GO INTO RAILS SHALL BE PER ILL RAIL MANUFACTURER'S RECOMMENDATION.
- CONTRACTOR SHALL INSTALL OWNER FURNISHED BOOM AND LIGHT SUPPORTS ABOVE CEILING, TYPICAL AT ALL LOCATIONS. REFER TO VENDOR DRAWINGS FROM HEALTHCARE TECHNOLOGY FOR ADDITIONAL INFORMATION AND LOCATION DIMENSIONS.



8 TYPICAL WALL MOUNTED COMPUTER ELEVATION
3/8" = 1'-0"



7 TYPICAL HEADWALL ELEVATION
3/8" = 1'-0"

GENERAL PLAN NOTES

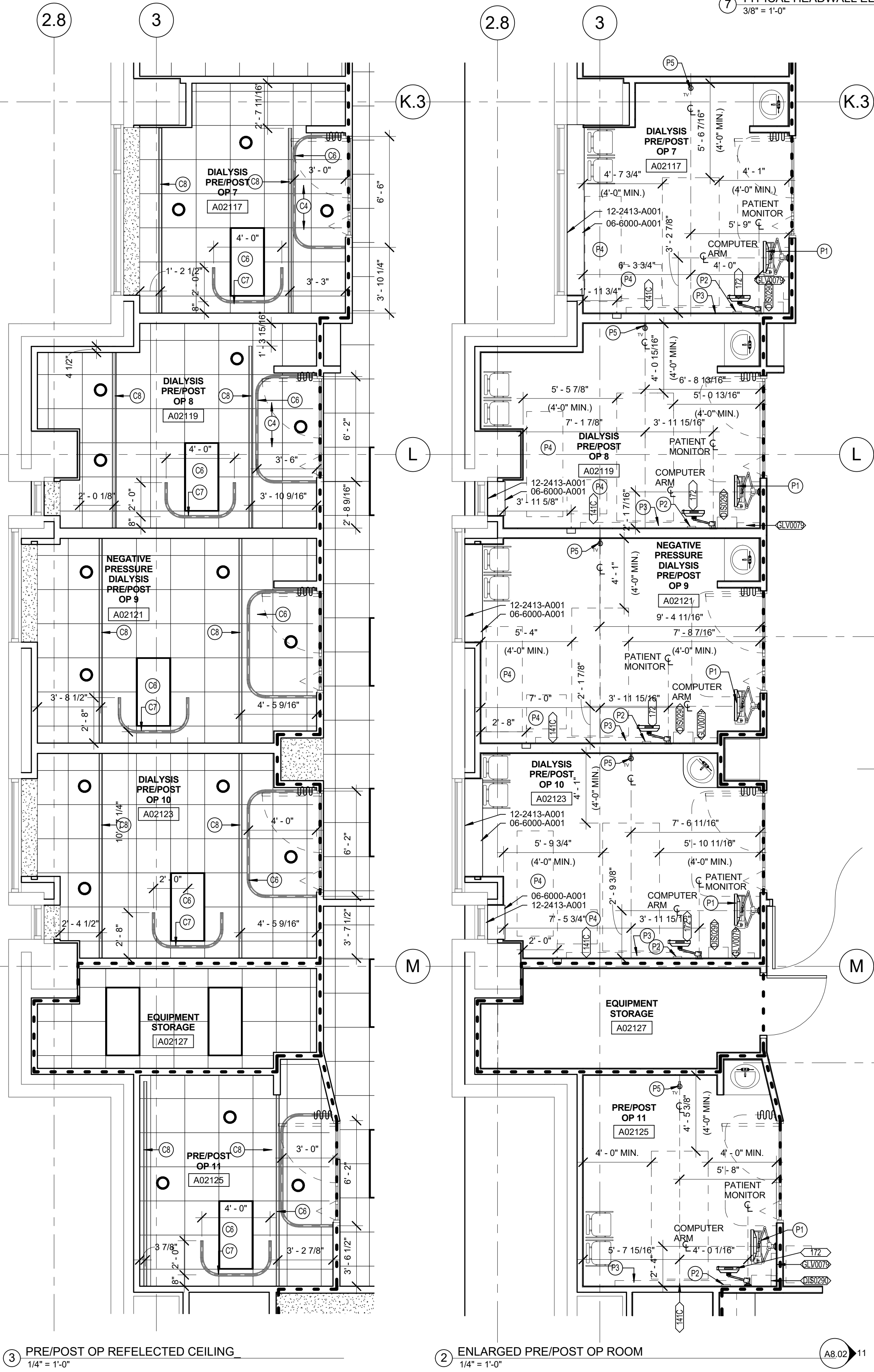
- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEET L1.01 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "A2" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE, AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET L1.03 FOR HANDICAPPED ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF ADA HANDICAPPED ACCESSIBILITY CODE. REFER TO SHEET L1.03 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, ETC. SHALL HAVE A 3" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 25" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL "SLIP-TRACK" STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- UNLESS NOTED OTHERWISE, ALL WINDOW SILLS SHALL BE SOLID SURFACE.
- COORDINATE WITH OWNER AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIRFLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING, DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET L1.02 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRIVERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- REFER TO WALL PRIORITY LEGEND AND WALL PRIORITY DIAGRAM FOR INFORMATION REGARDING INTERSECTION OF RATED AND NON-RATED WALLS.
- REFER TO EQUIPMENT PLANS, EQUIPMENT PROJECT MANUAL INFORMATION AND SITE SPECIFIC VENDOR DRAWINGS FOR EQUIPMENT DETAILS AND MISCELLANEOUS INSTALLATION INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY DRAWINGS, AND ARCHITECTURAL INTERIOR ELEVATIONS FOR MEDICAL GASES, NURSE CALL, AND CODE BLUE RECEPTACLES AND DEVICES.
- REFER TO PHYSICIST REPORT IN THE PROJECT MANUAL FOR SPECIFIC RADIATION PROTECTION REQUIREMENTS. CONFIRM THAT RADIATION PROTECTION ON INDICATED ON THE ARCHITECTURAL DRAWINGS IS CONSISTENT WITH SPECIFIC REQUIREMENTS OF THE PHYSICIST REPORT.
- AT FIT-OUT OF PREVIOUSLY SHELLED SPACES, REMOVE EXISTING FIRE EXTINGUISHERS AND TURN OVER TO THE OWNER.

SPECIFIC ENLARGED PLAN NOTES

- WALL MOUNTED COMPUTER CHARTING STATION. PROVIDE BLOCKING AS REQUIRED. REFER TO TYPICAL WALL MOUNTED COMPUTER ELEVATION A8.03-08.
- NURSE CALL DEVICE - REFER TO NURSE CALL INFORMATION.
- PROVIDE 16 GAUGE METAL STRAP BLOCKING AT PATIENT HEADWALL LOCATION. REFER TO TYPICAL HEADWALL ELEVATION A8.03-07.
- DIALYSIS EQUIPMENT - VERIFY FINAL SIZE AND REQUIREMENTS WITH OWNER.
- PATIENT TV ROUGH-IN LOCATION ALIGNED WITH CENTERLINE OF PATIENT BED UNLESS NOTED OTHERWISE. PROVIDE BLOCKING AS REQUIRED FOR TV. REFER TO MEP INFORMATION.
- ROUTE NEW UTILITY LINES TO HEADWALL, AROUND EXISTING FIRE EXTINGUISHER CABINET.

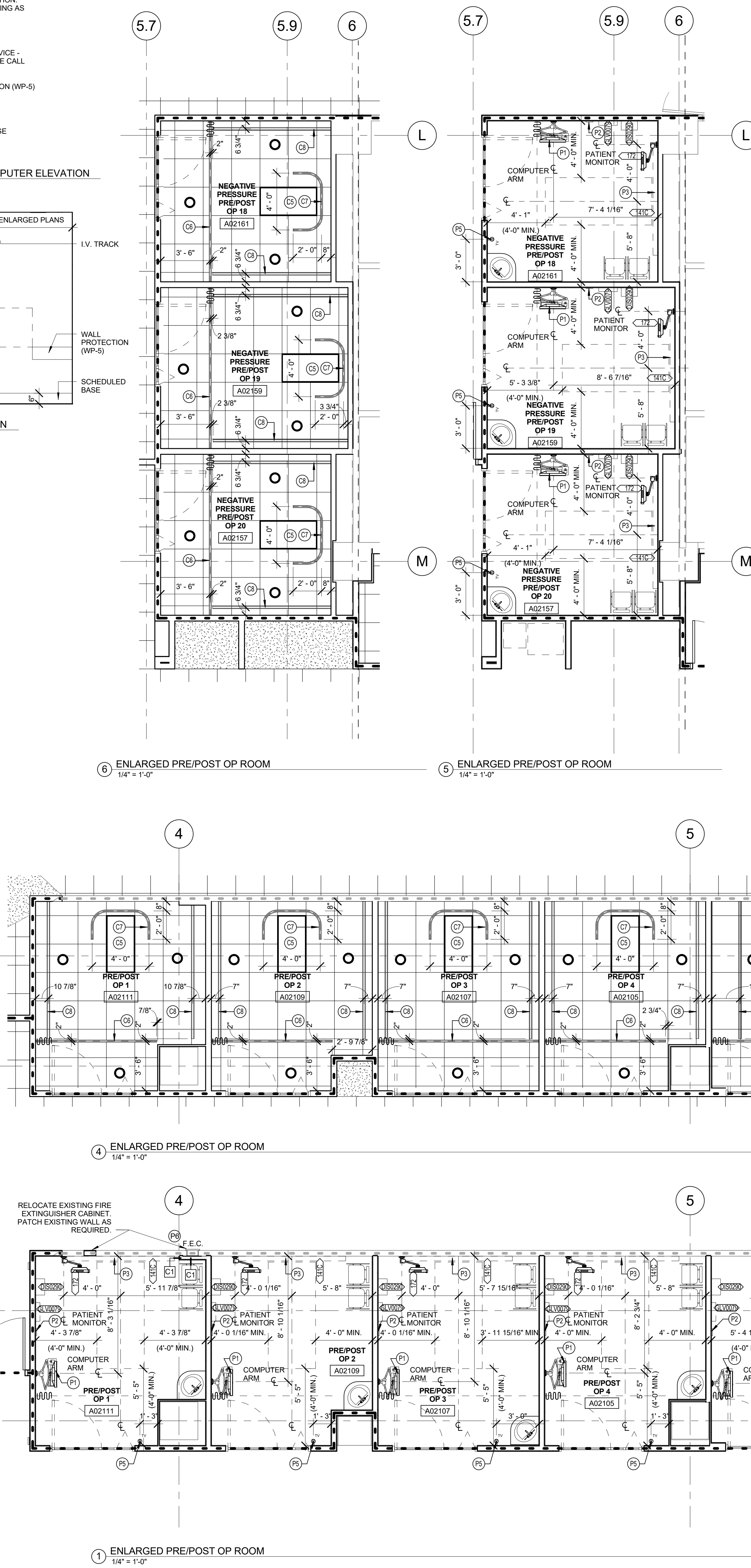
SPECIFIC SPECIFICATION

06-6000-A001 SOLID SURFACE WINDOW SILL
12-2413-A001 ROLLER WINDOW SHADE



3 PRE/POST OP REFLECTED CEILING
1/4" = 1'-0"

2 ENLARGED PRE/POST OP ROOM
1/4" = 1'-0"



6 ENLARGED PRE/POST OP ROOM
1/4" = 1'-0"

5 ENLARGED PRE/POST OP ROOM
1/4" = 1'-0"

4 ENLARGED PRE/POST OP ROOM
1/4" = 1'-0"

4 ENLARGED PRE/POST OP ROOM
1/4" = 1'-0"

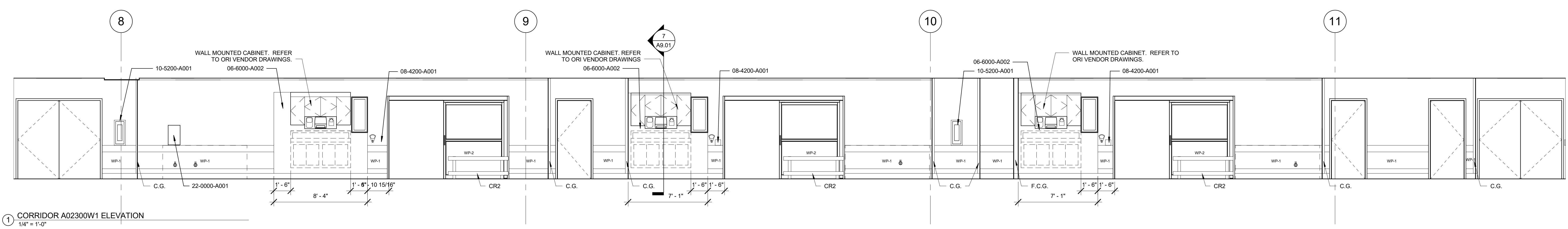
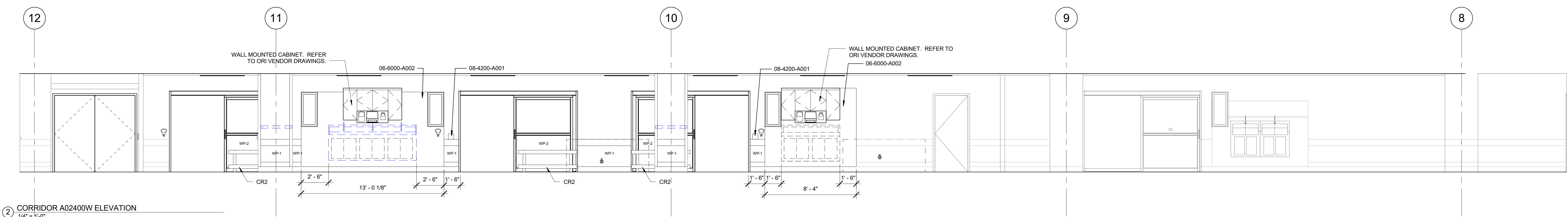
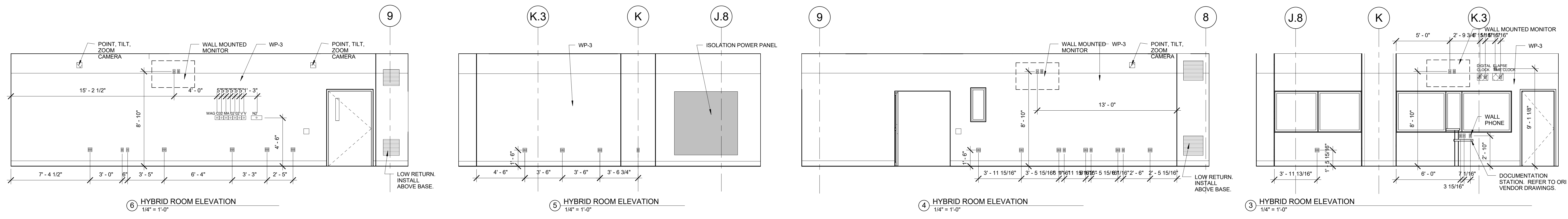
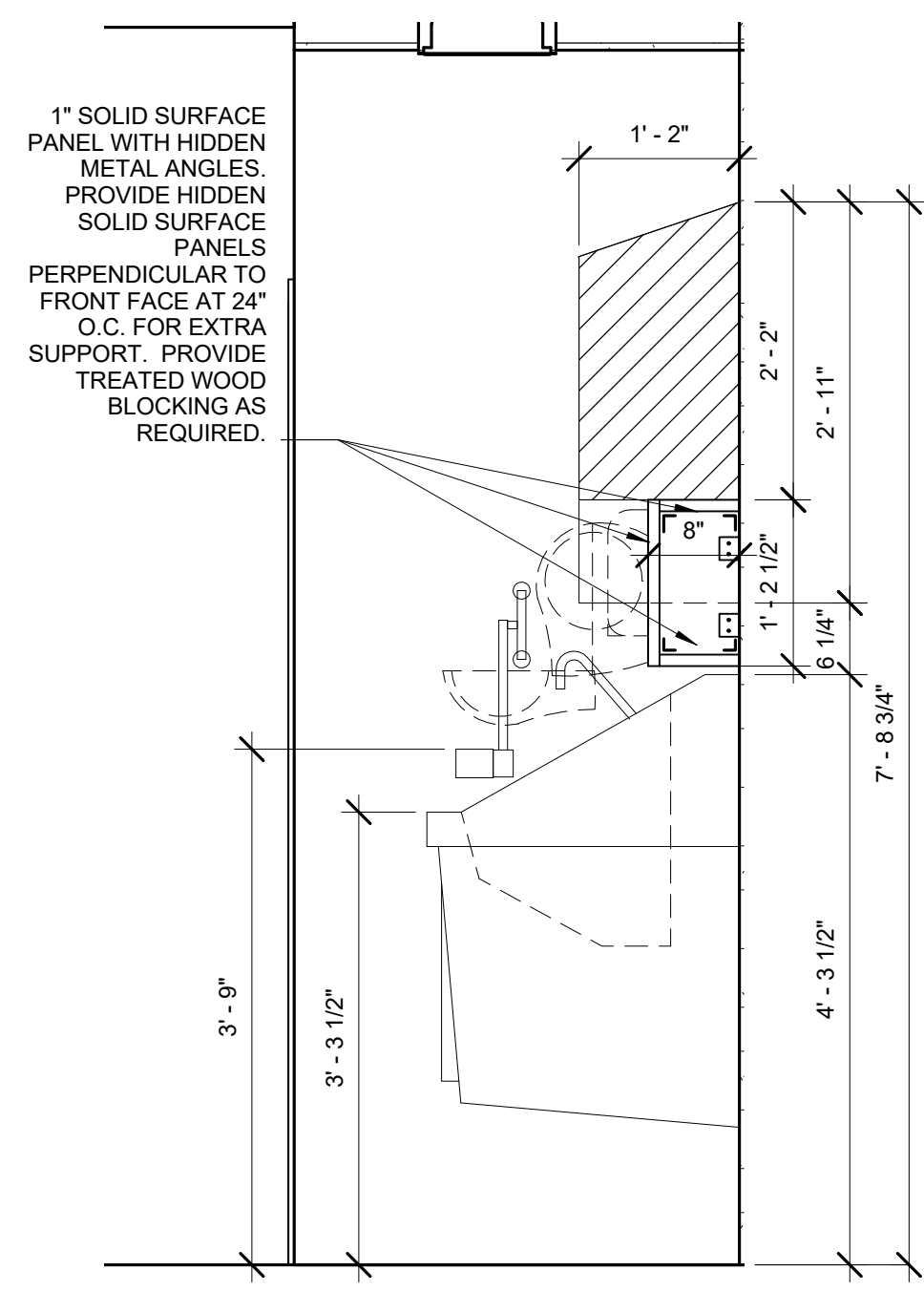
RELOCATE EXISTING FIRE EXTINGUISHER CABINET PATCH EXISTING WALL AS REQUIRED.

GENERAL INTERIOR ELEVATION NOTES

- REFER TO EQUIPMENT PLANS AND CUTSHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE ALL WALL OUTLETS TO AVOID CONFLICT WITH CASEWORK.
- ALL DIMENSIONS ARE TO FACE OF FINISHED MATERIAL.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTING CABINERY.
- PROVIDE FILLER PANELS AT ALL LOCATIONS WHERE CABINERY ABUTS A WALL.
- ALL CASEWORK SHALL BE FINISHED IN PLASTIC LAMINATE UNLESS NOTED OTHERWISE.
- PROVIDE ADJUSTABLE SHELVING WITHIN ALL WALL AND BASE CABINERY AS SHOWN BY DASHED LINE.
- ALL BASE CABINETS SHALL BE 2'-0" DEEP UNLESS NOTED OTHERWISE.
- ALL FULL HEIGHT CABINETS SHALL BE 2'-0" DEEP UNLESS NOTED OTHERWISE.
- PROVIDE A 4" HIGH INTEGRAL BACKSPLASH ON ALL COUNTERS WITH RECESSED SINKS. INSTALL SIDE SPLASHES WHERE THESE COUNTERS ABUT A WALL.
- INSTALL WOOD BLOCKING TO STUDS TO SUPPORT ALL WALL-MOUNTED CABINERY AND EQUIPMENT AS REQUIRED.
- PROVIDE 12" CLEAR INTERIOR DIMENSION ON ALL UPPER WALL CABINETS UNLESS NOTED OTHERWISE.
- PROVIDE (1) 3" GROMMET PER EVERY 3 LINEAR FEET OF COUNTERTOP.
- REFER TO WALL PROTECTION "WP" SERIES DRAWINGS FOR ITEMS DESIGNATED WITH "WP-X" AND "CG-X".
- MECHANICAL, ELECTRICAL, HVAC, AND VENDOR-SUPPLIED DEVICES ARE SHOWN ON THESE ELEVATIONS FOR PURPOSES OF LOCATING THEM ON WALLS. REFER TO MEP DRAWINGS AND VENDOR DRAWINGS FOR FULL SCOPE OF WORK AND FOR QUANTITIES.

SPECIFIC SPECIFICATION

- 06-6000-A002 1/4" THICK SOLID SURFACE BACKSPLASH
- 08-4200-A001 AUTOMATIC SLIDING DOOR ACTIVATION SWITCHES - TOUCHLESS
- 10-5200-A001 FULLY RECESSED PAINTED FIRE EXTINGUISHER CABINET
- 22-0000-A001 MEDICAL GAS ZONE VALVE CABINET



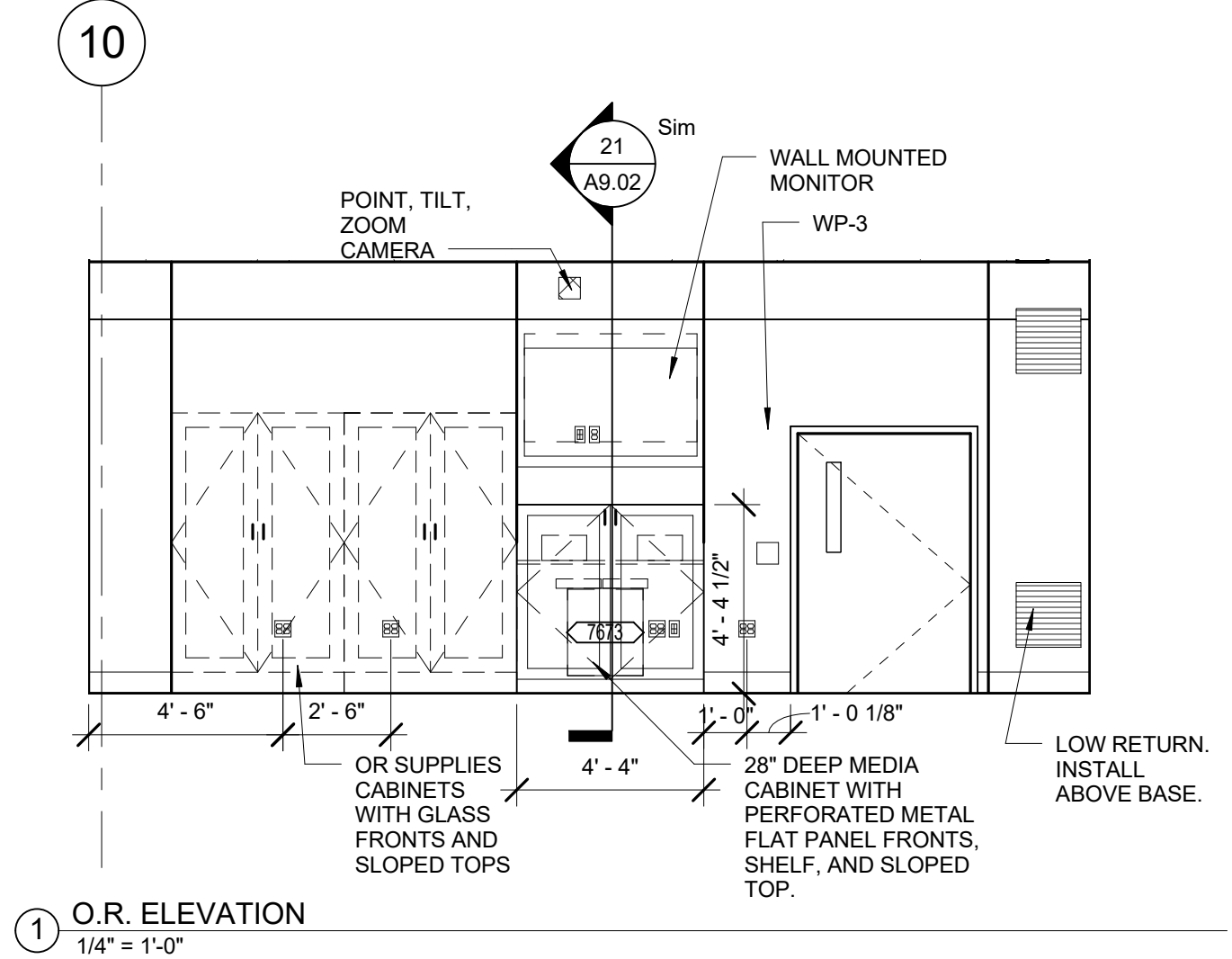
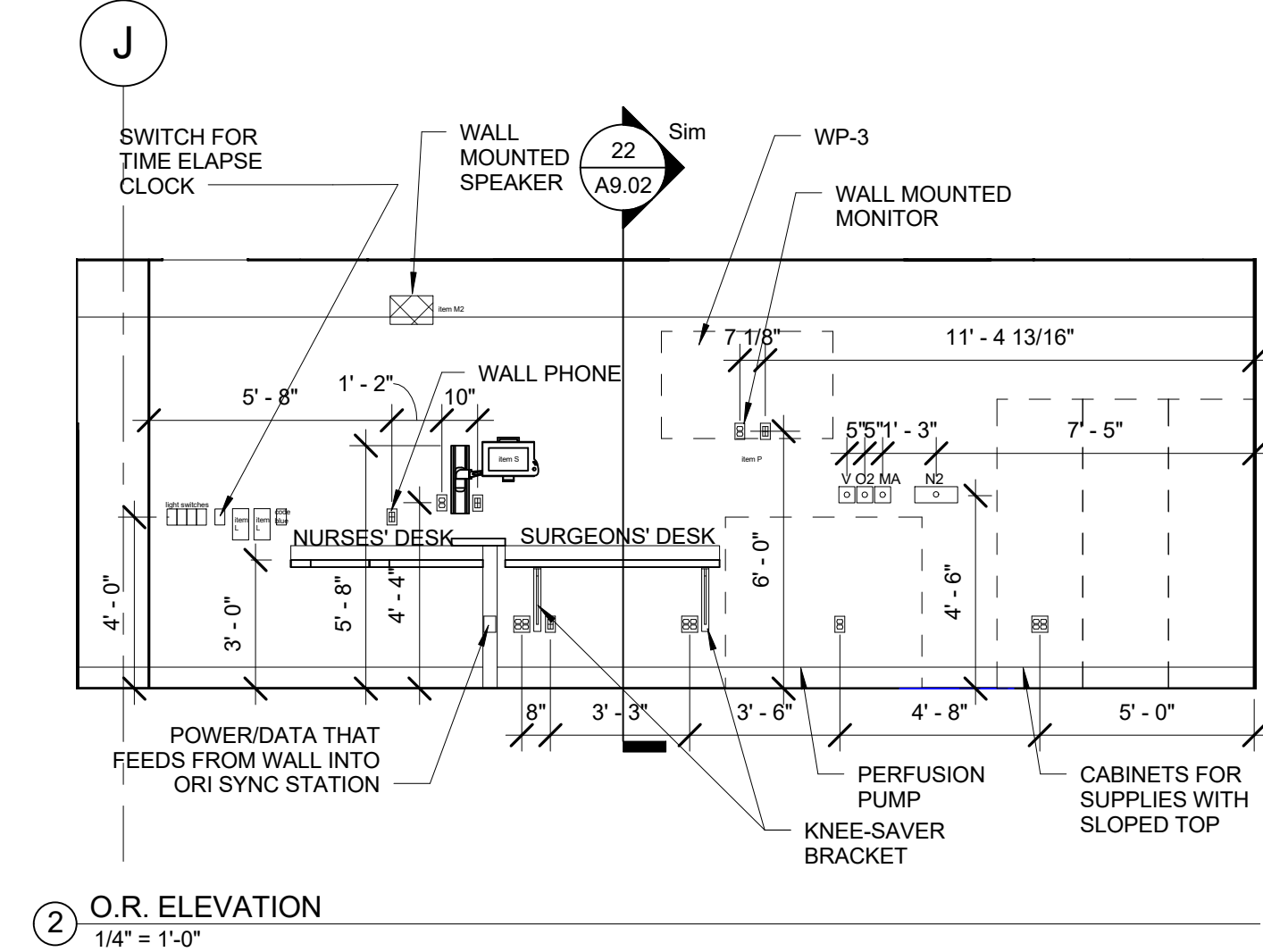
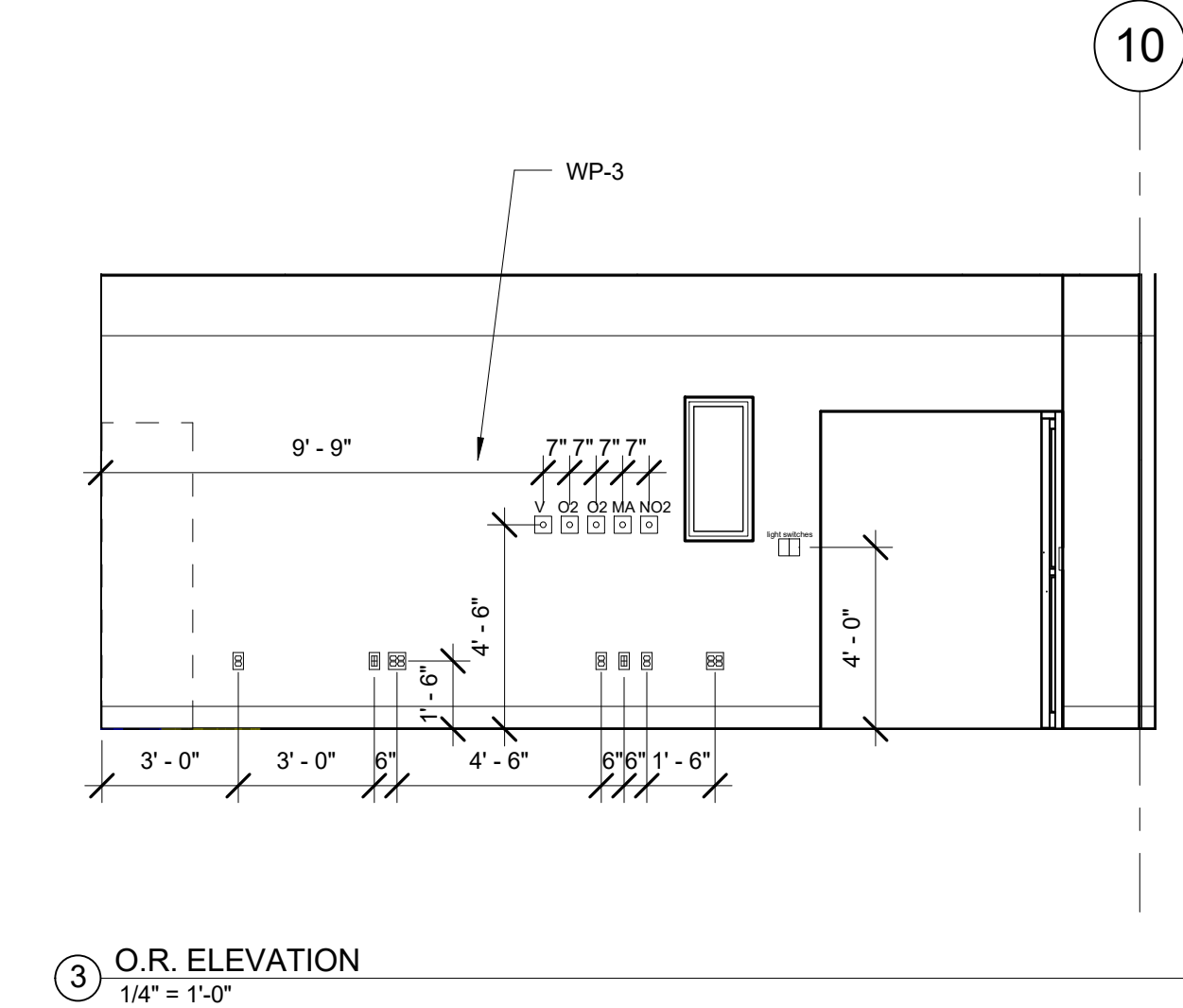
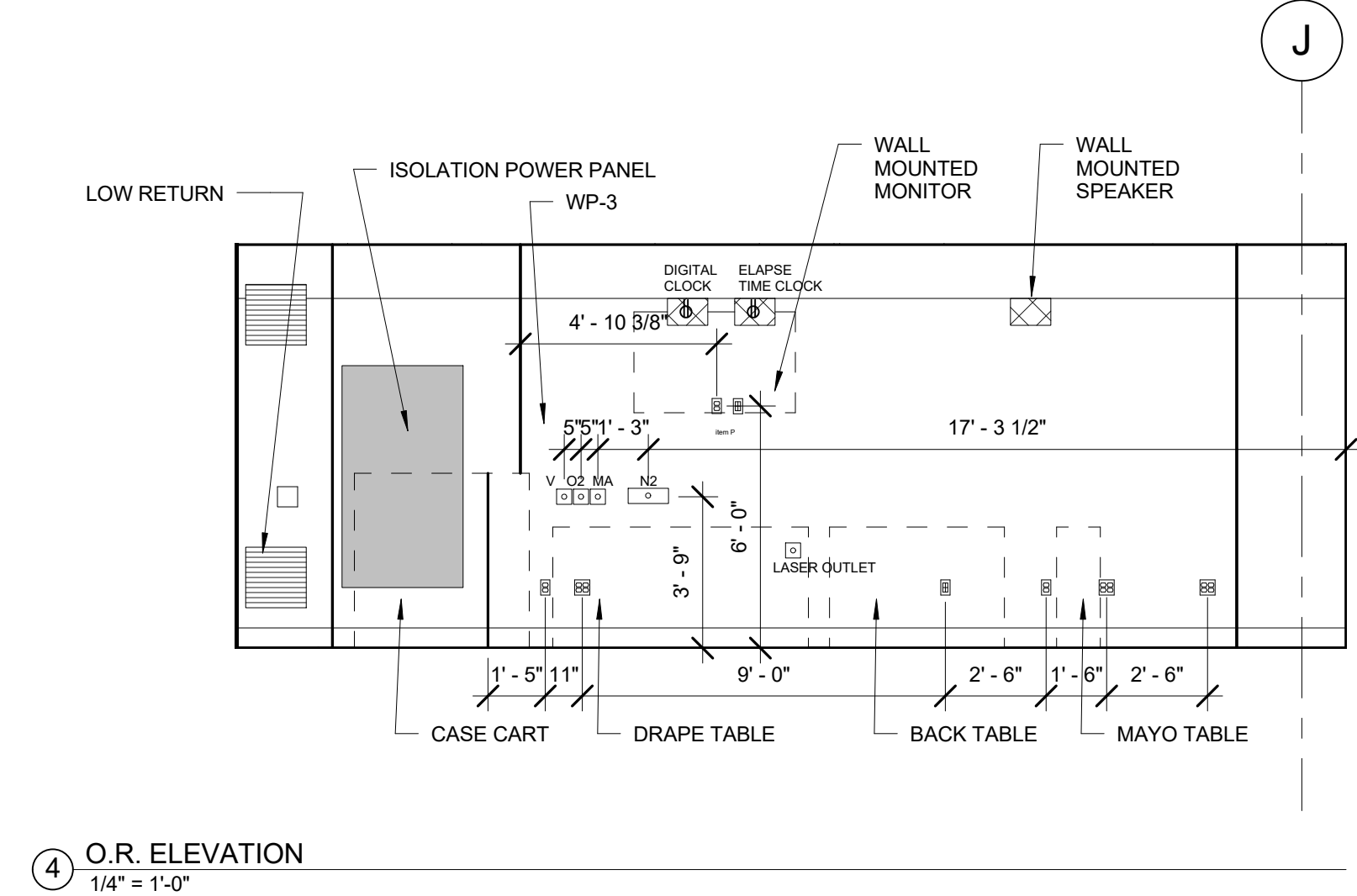
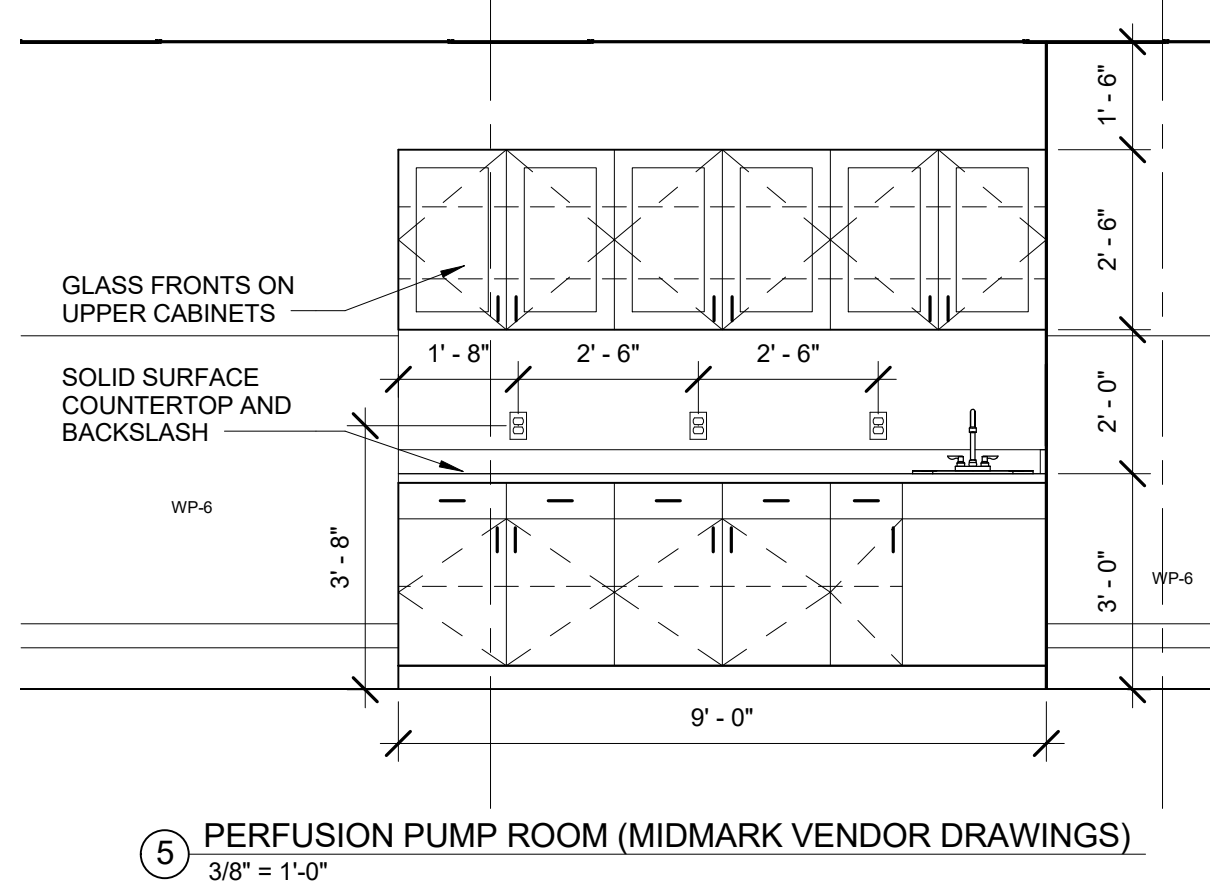
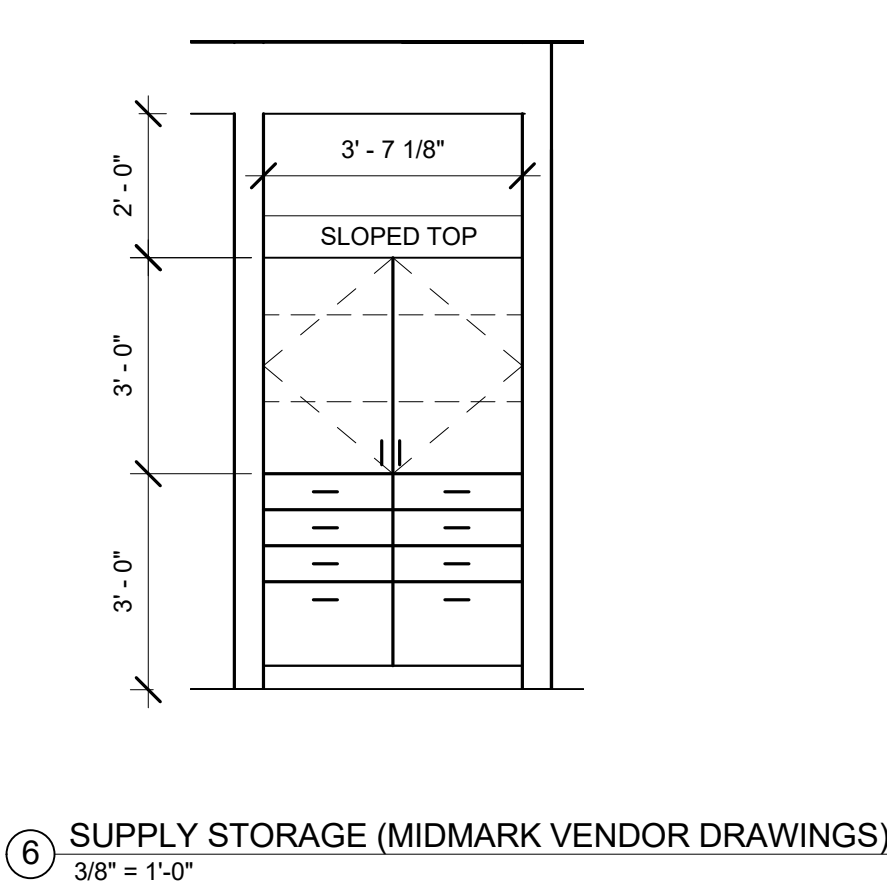
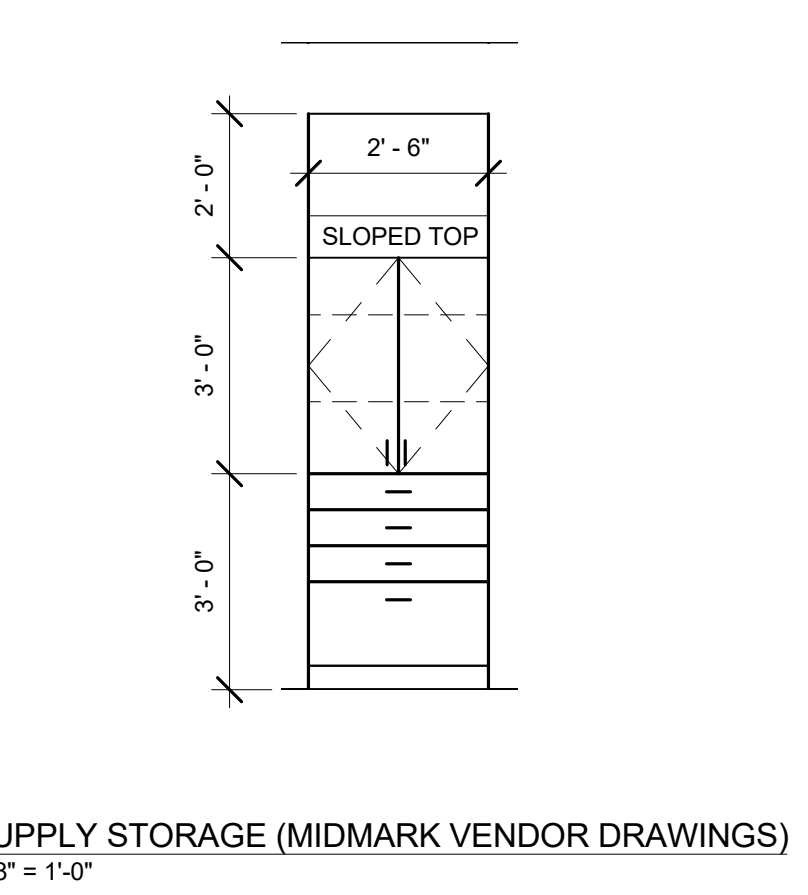
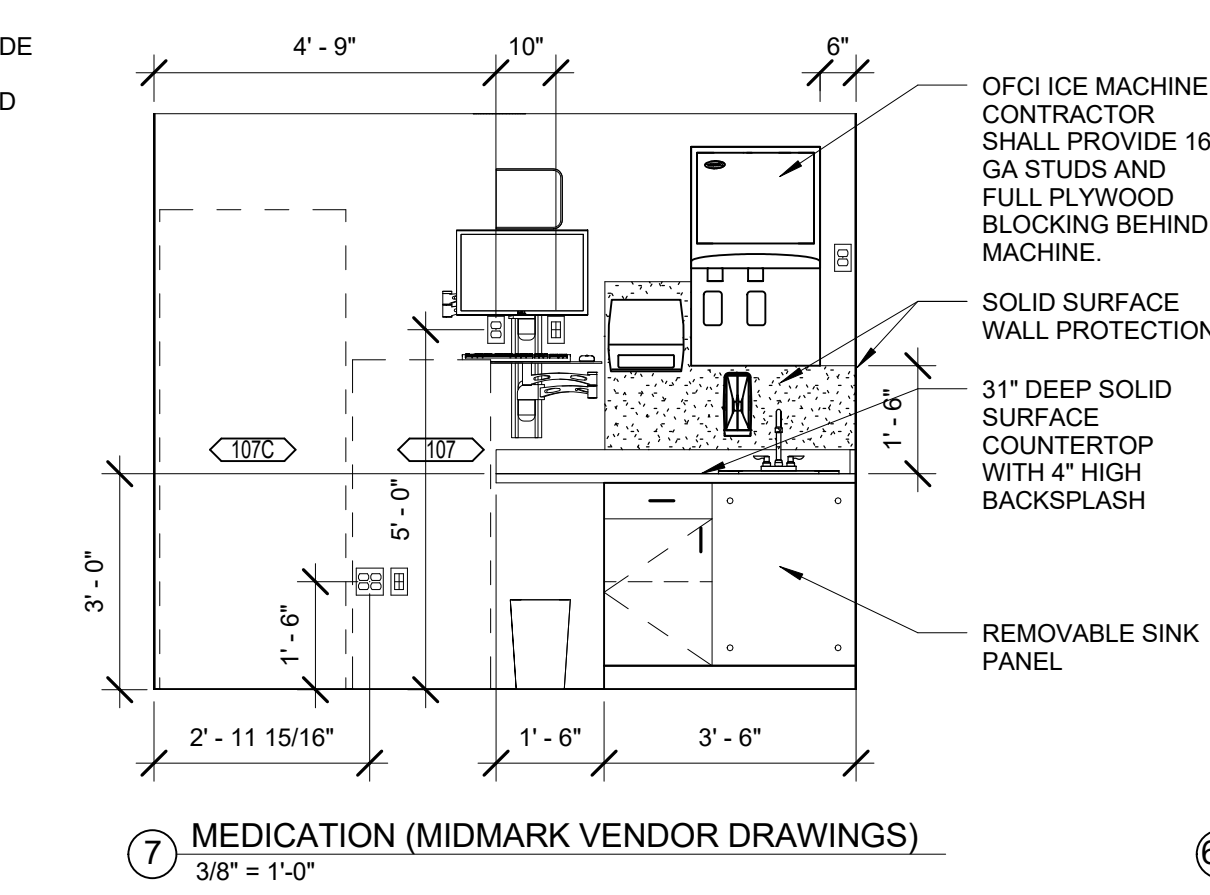
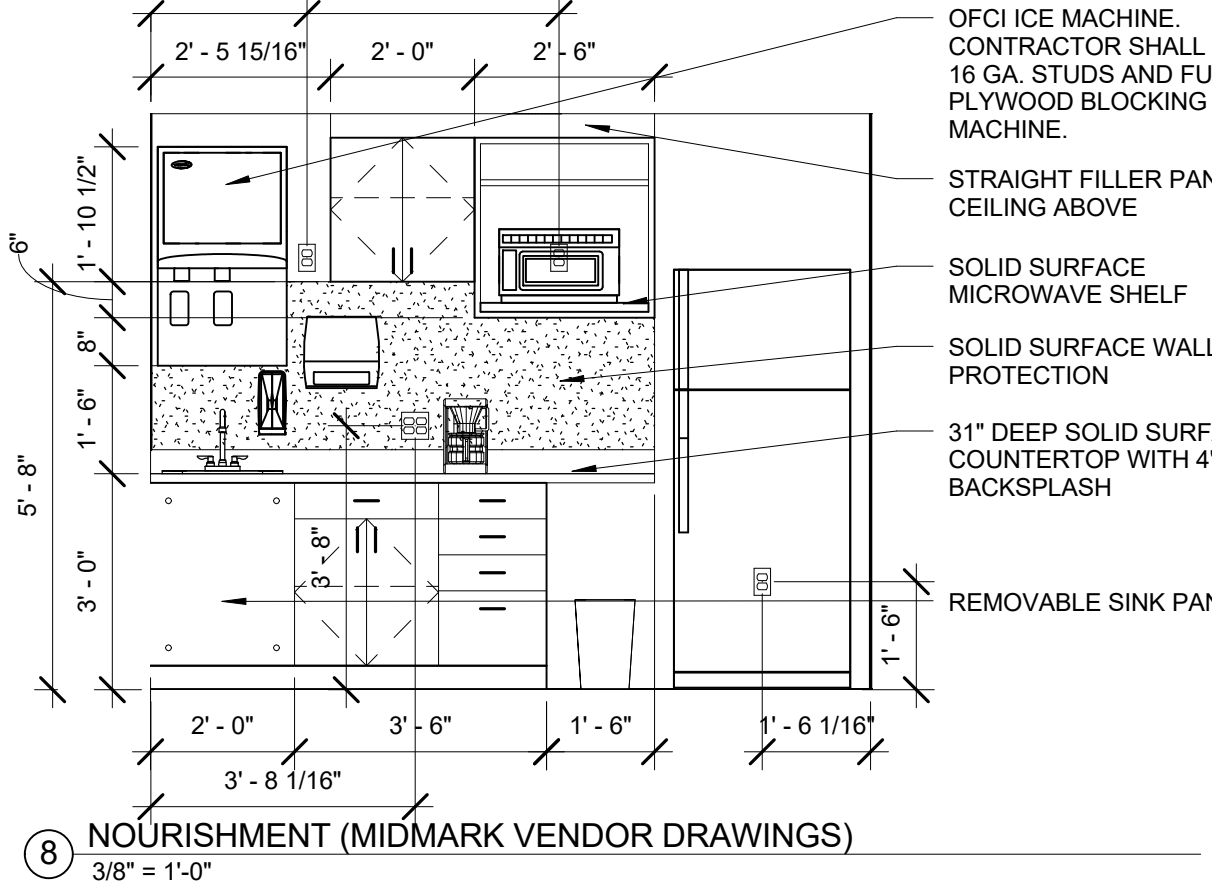
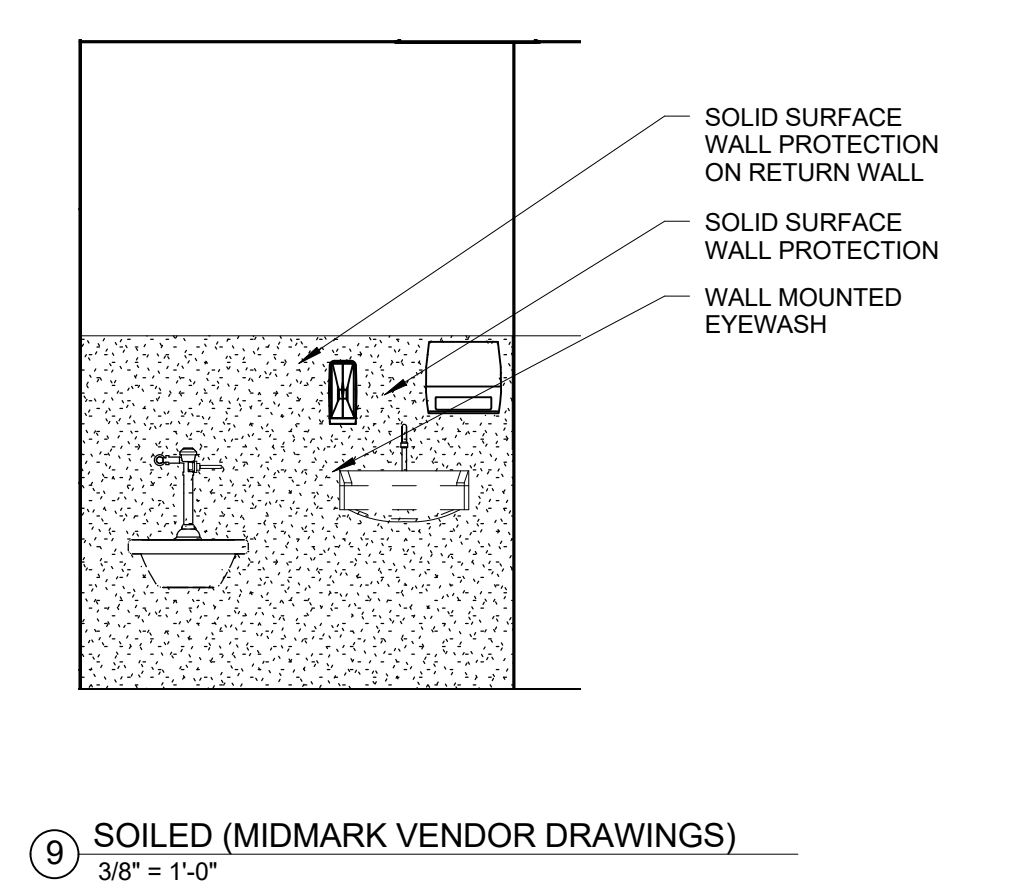
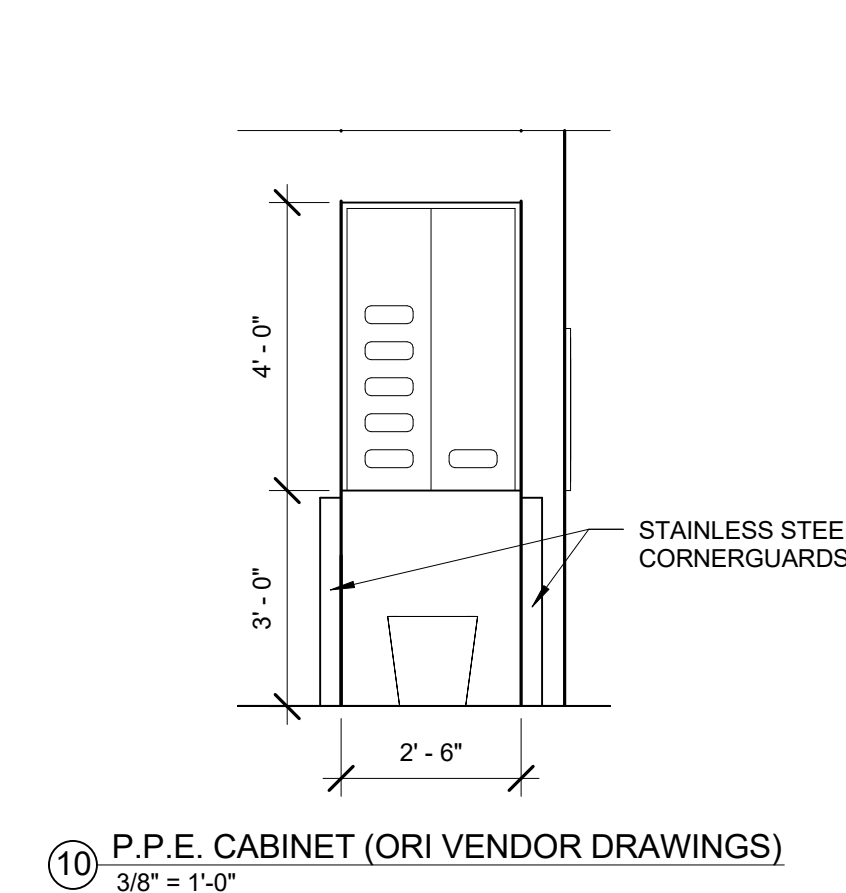
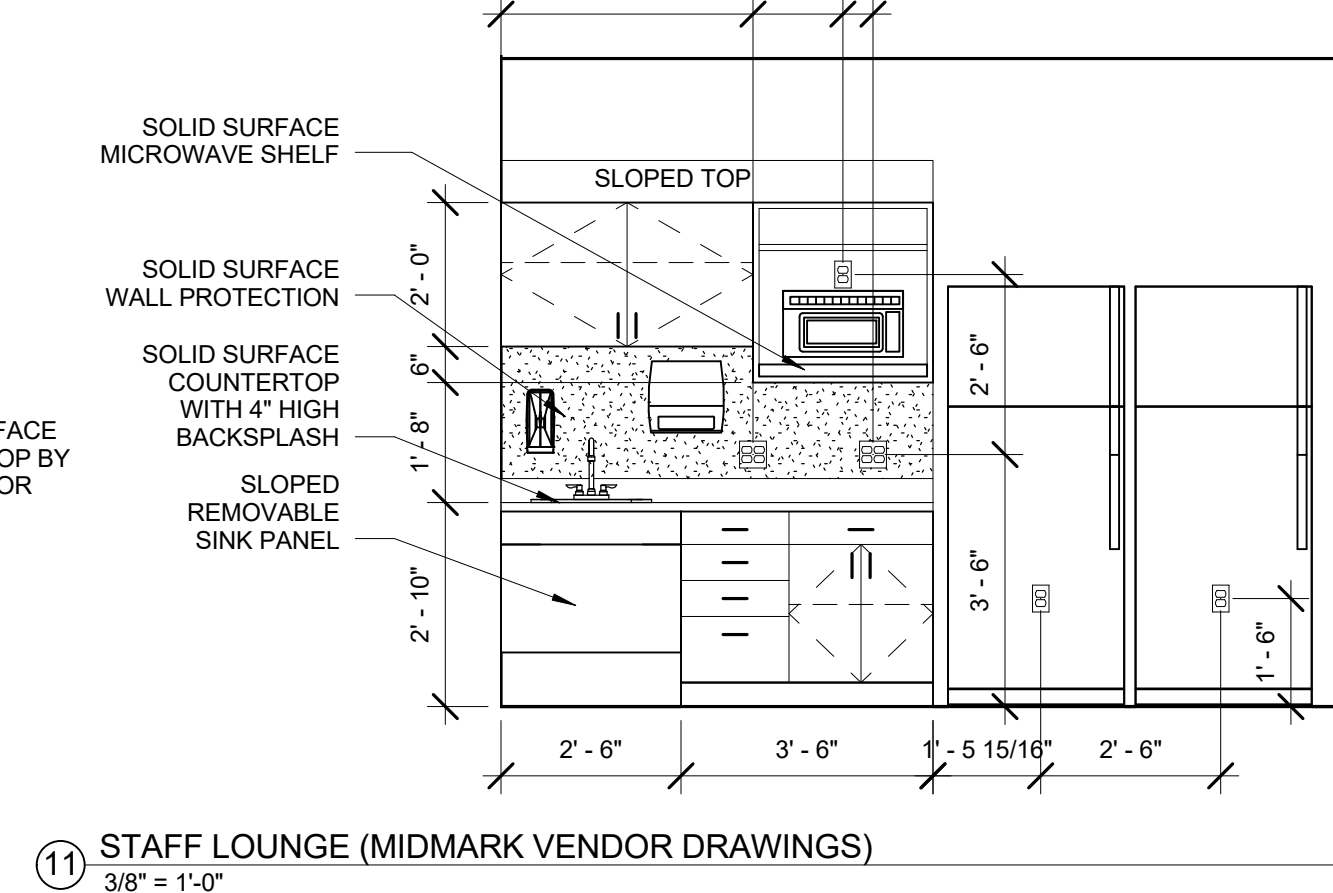
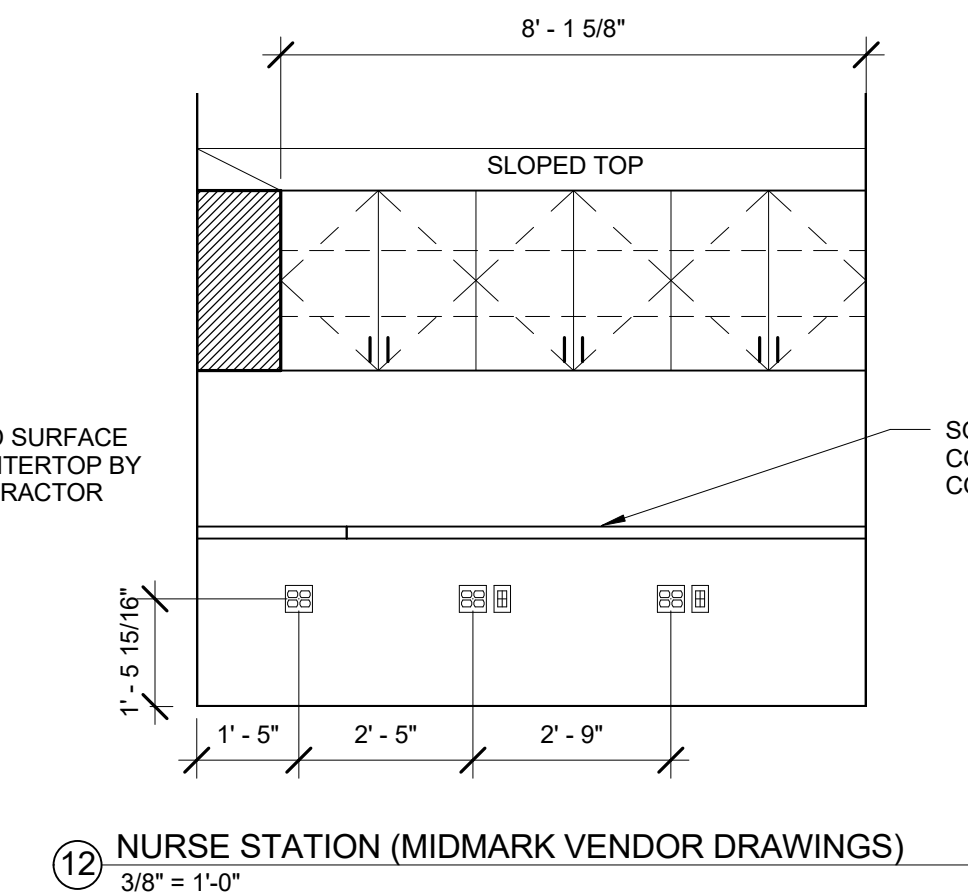
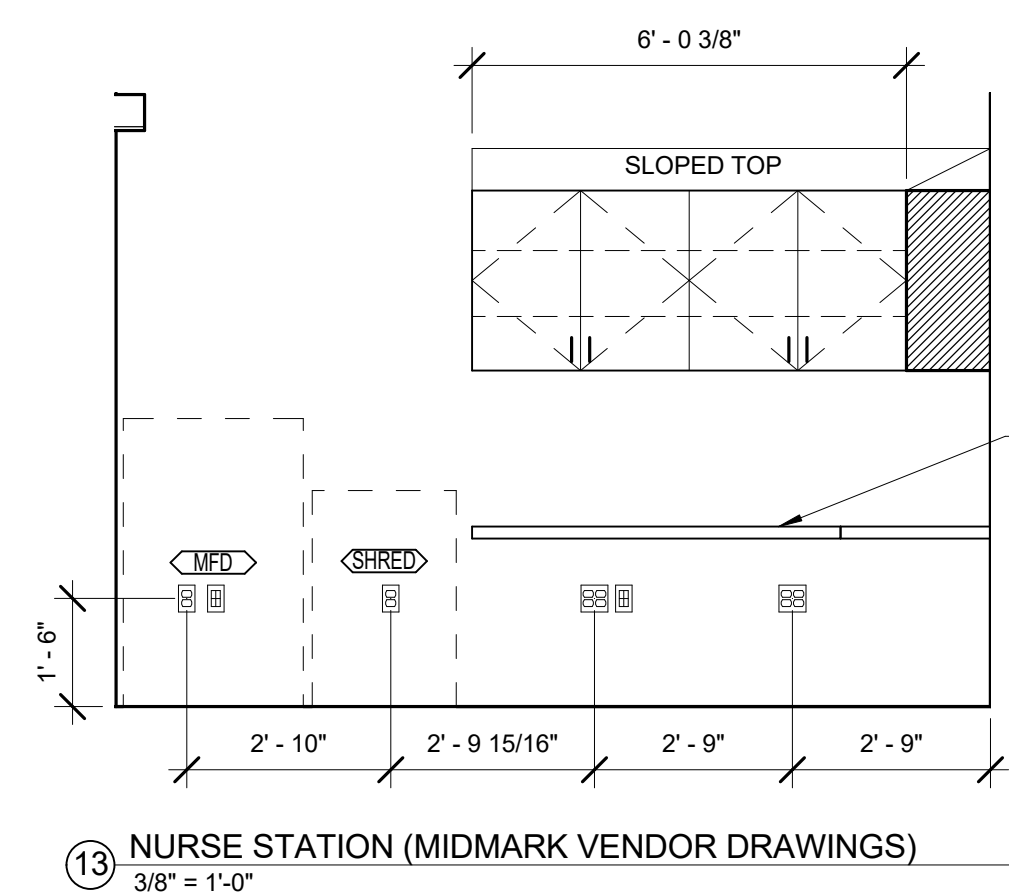
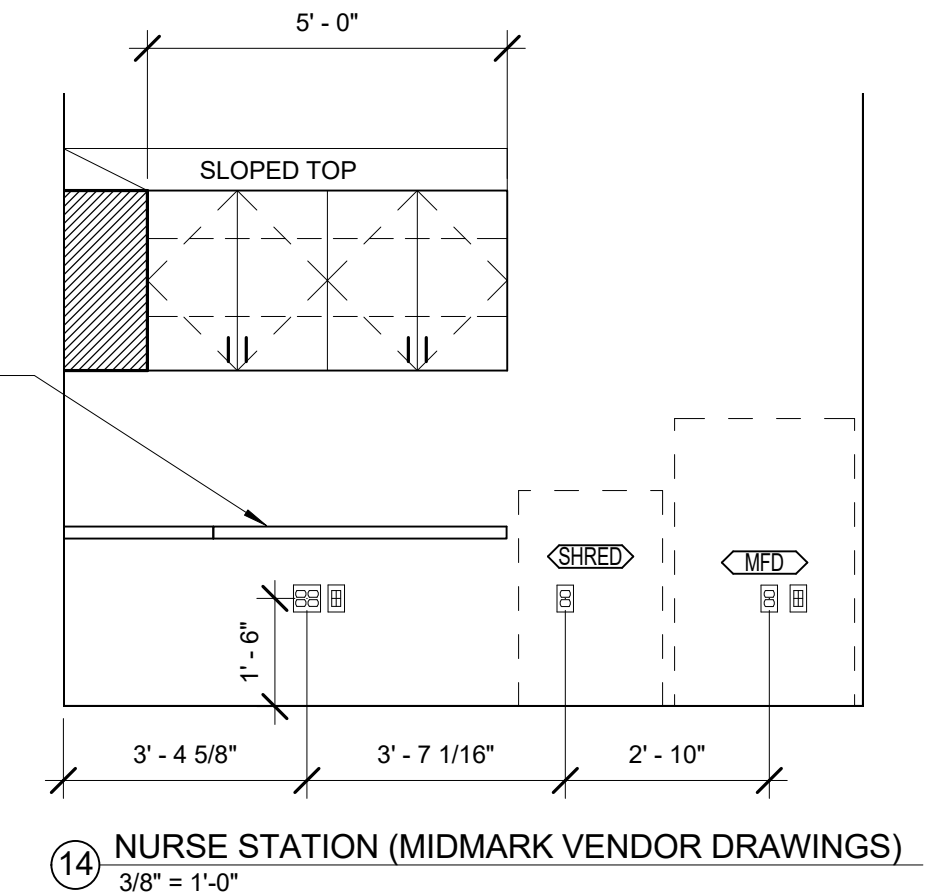
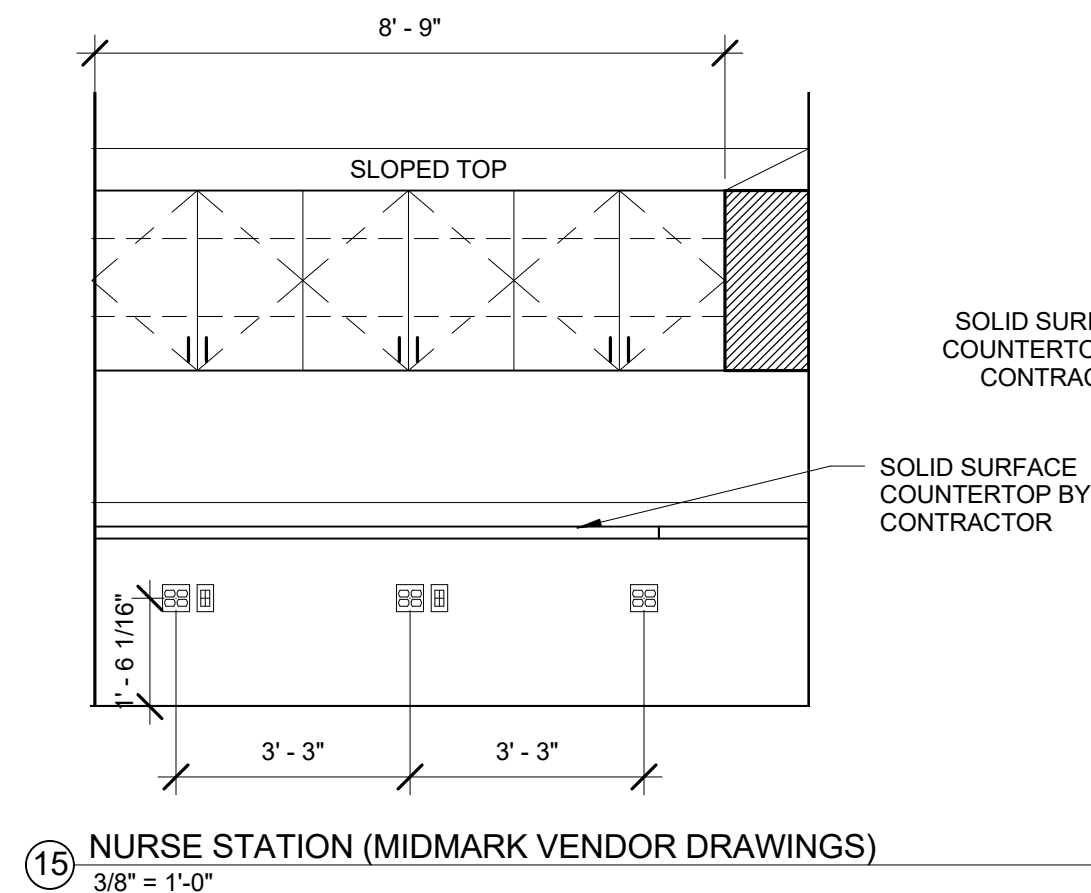
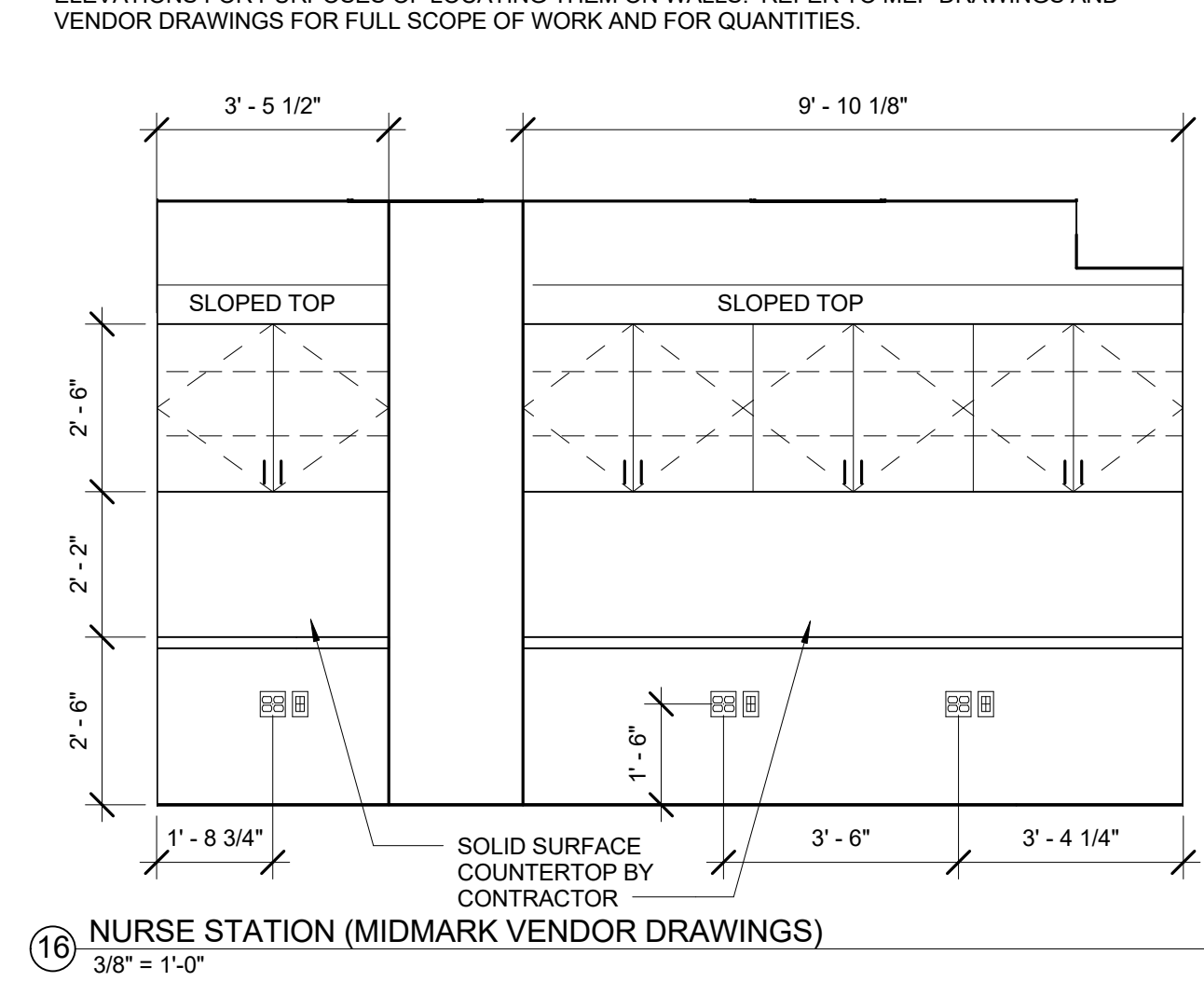
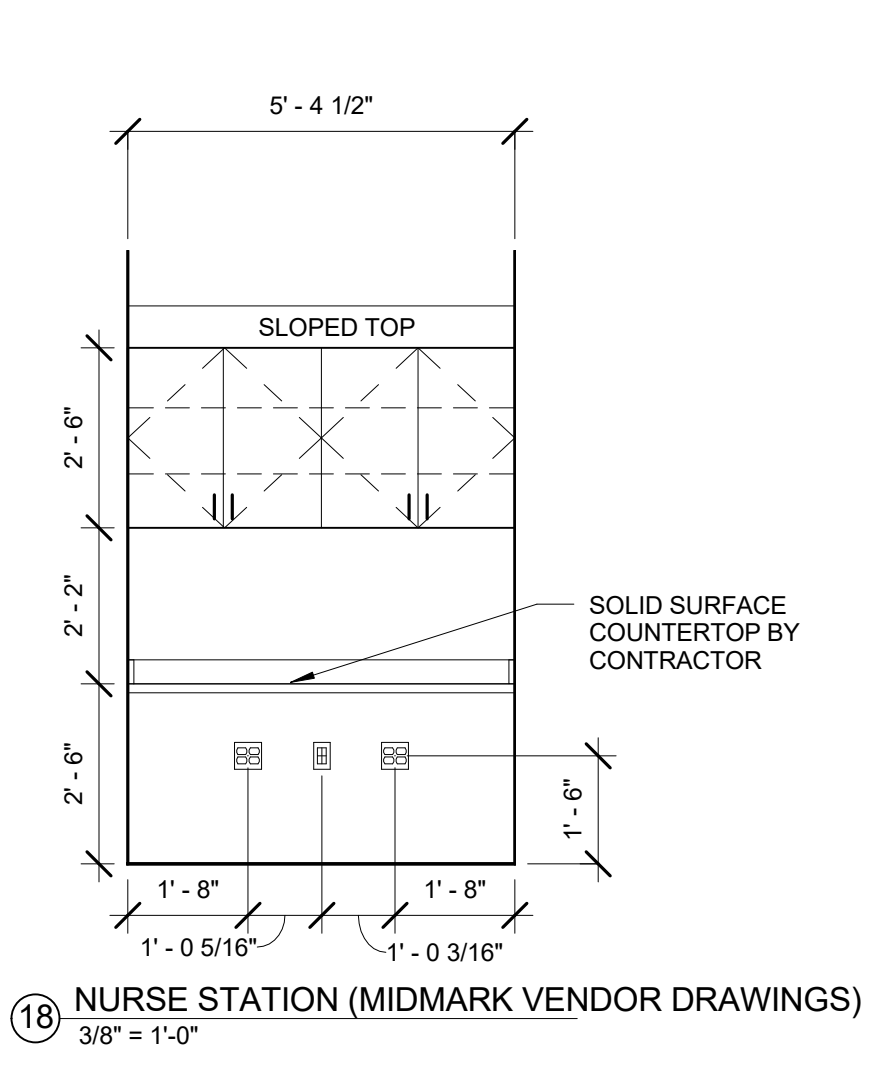
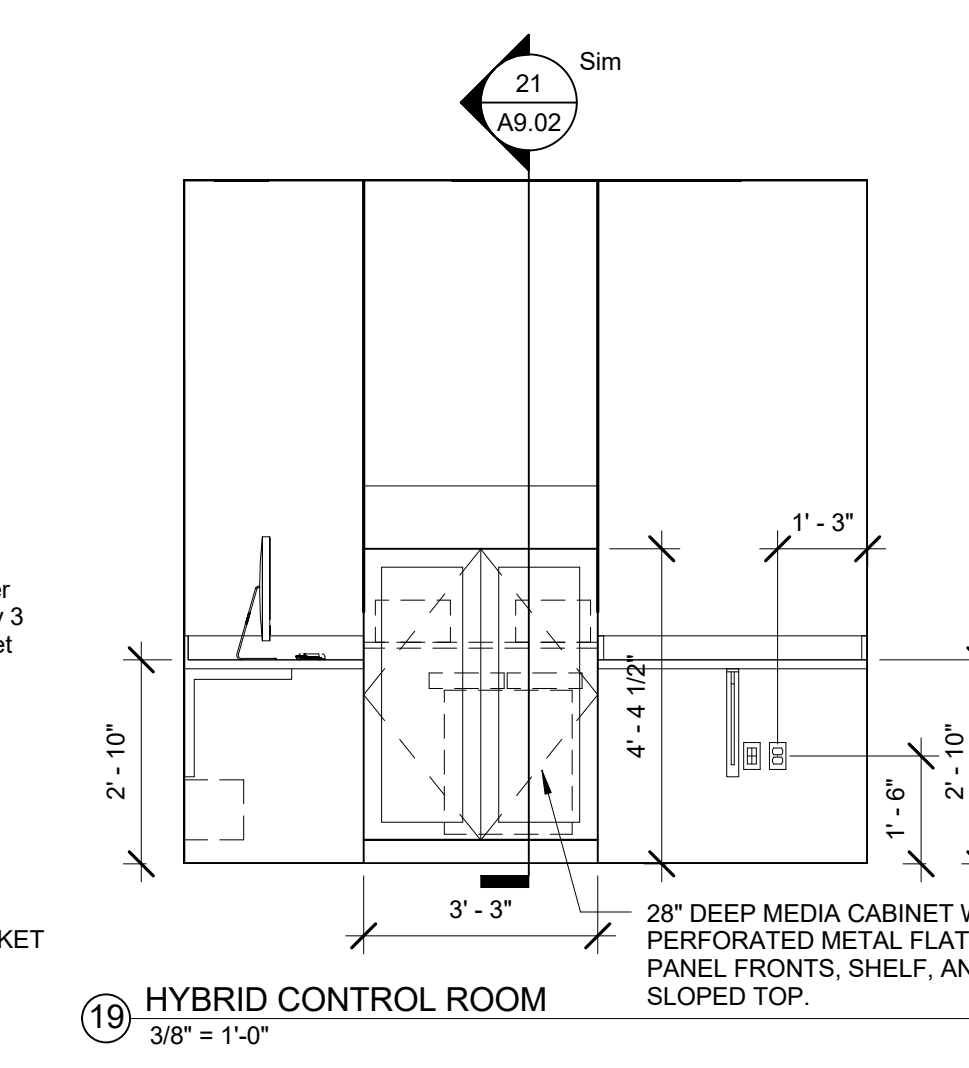
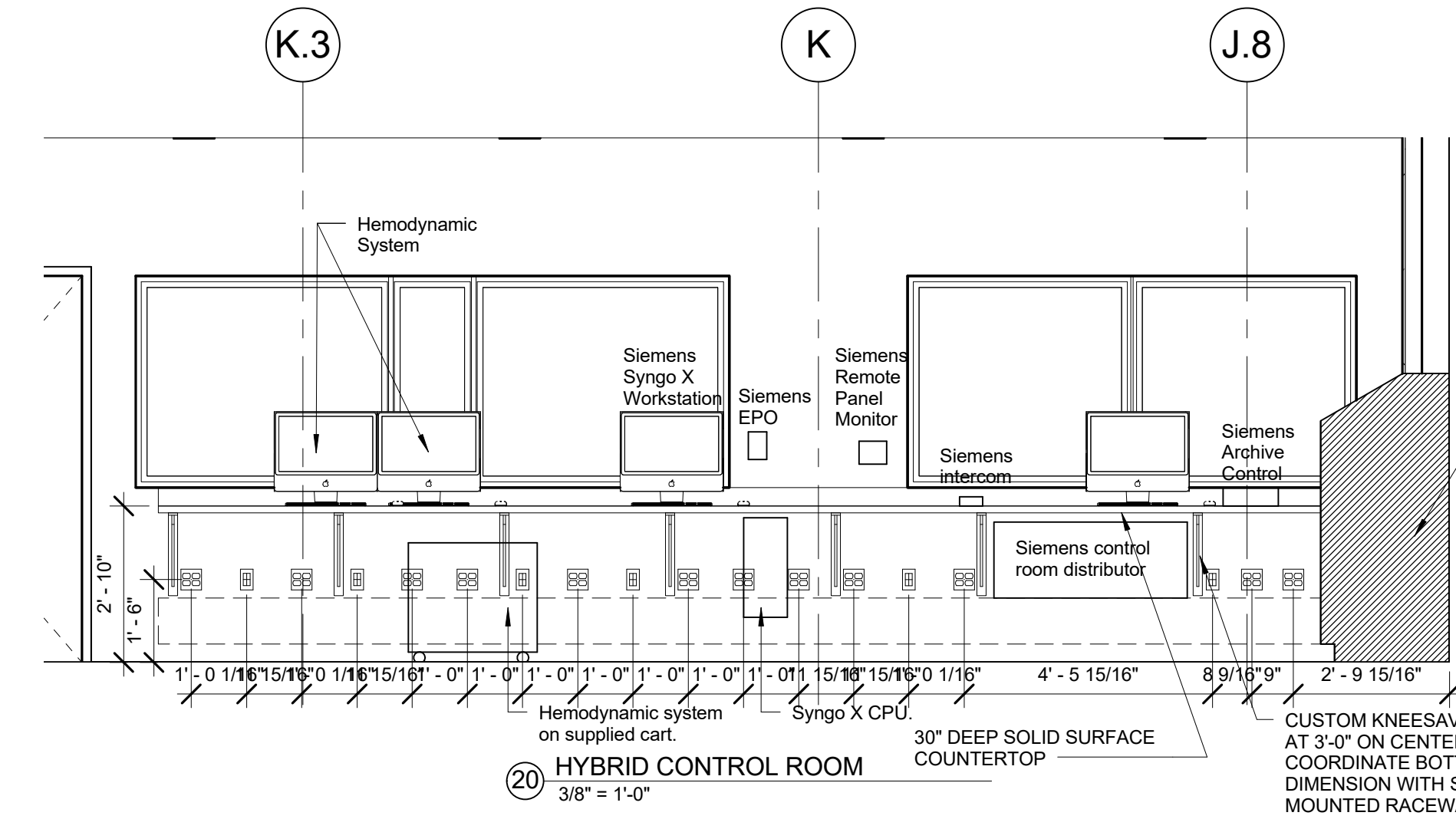
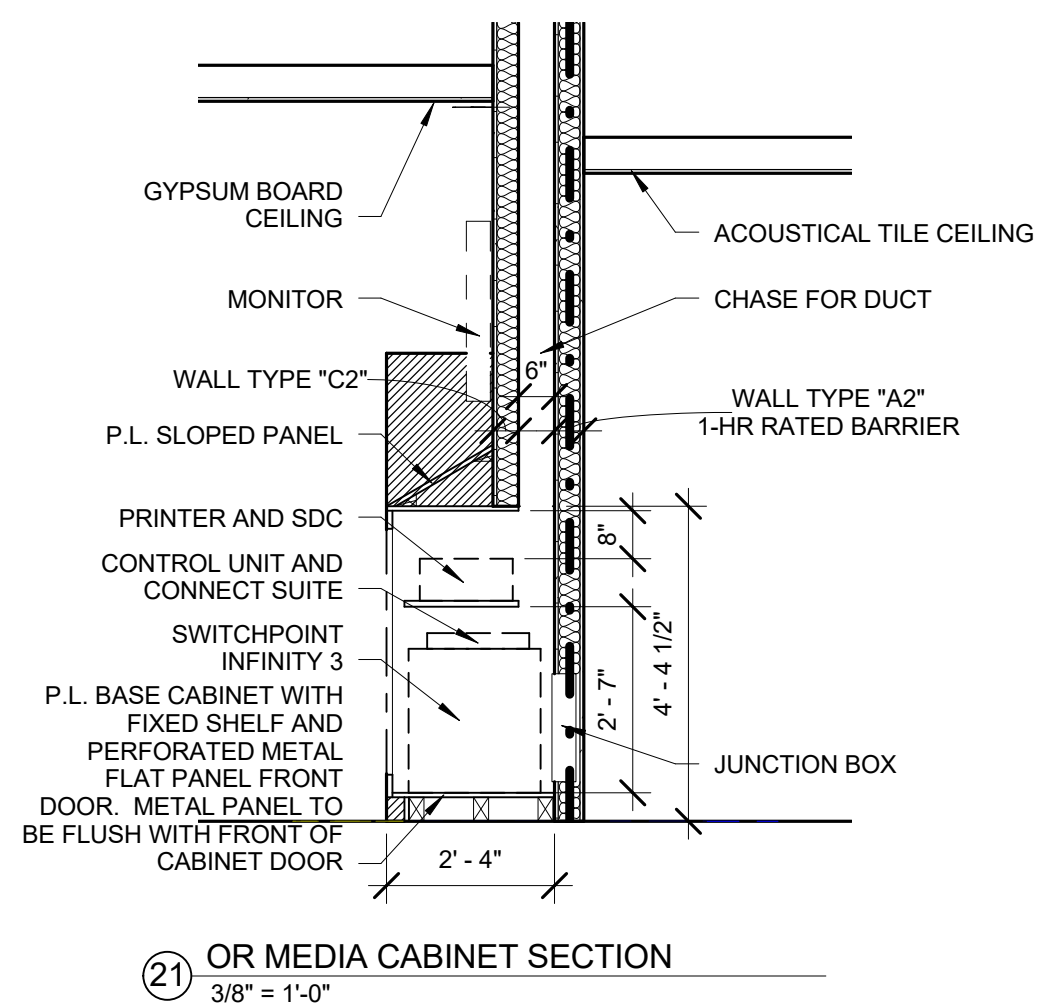
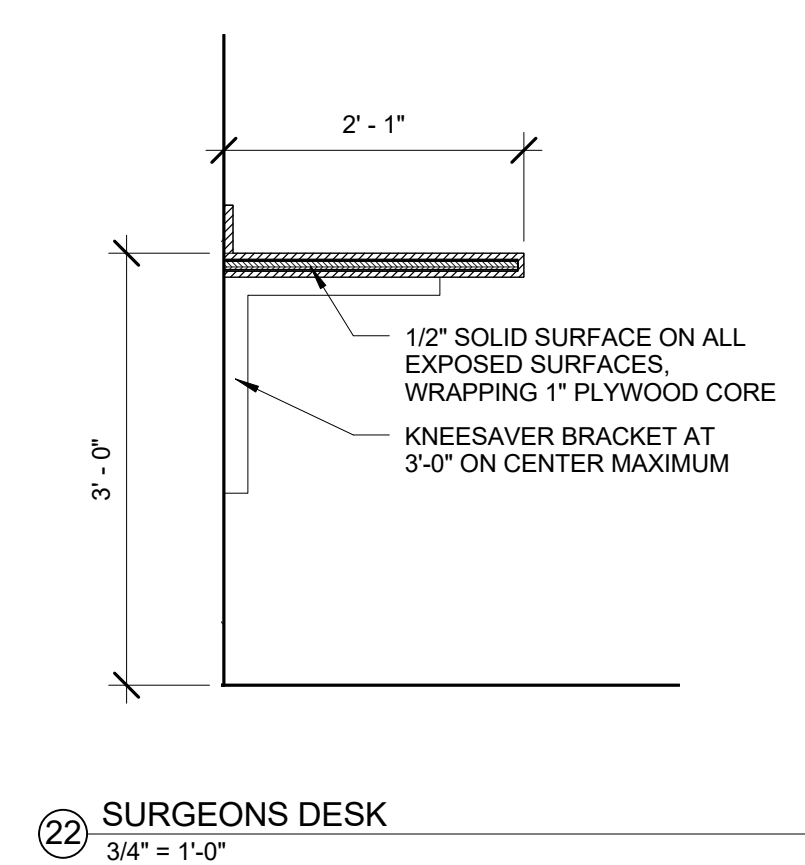
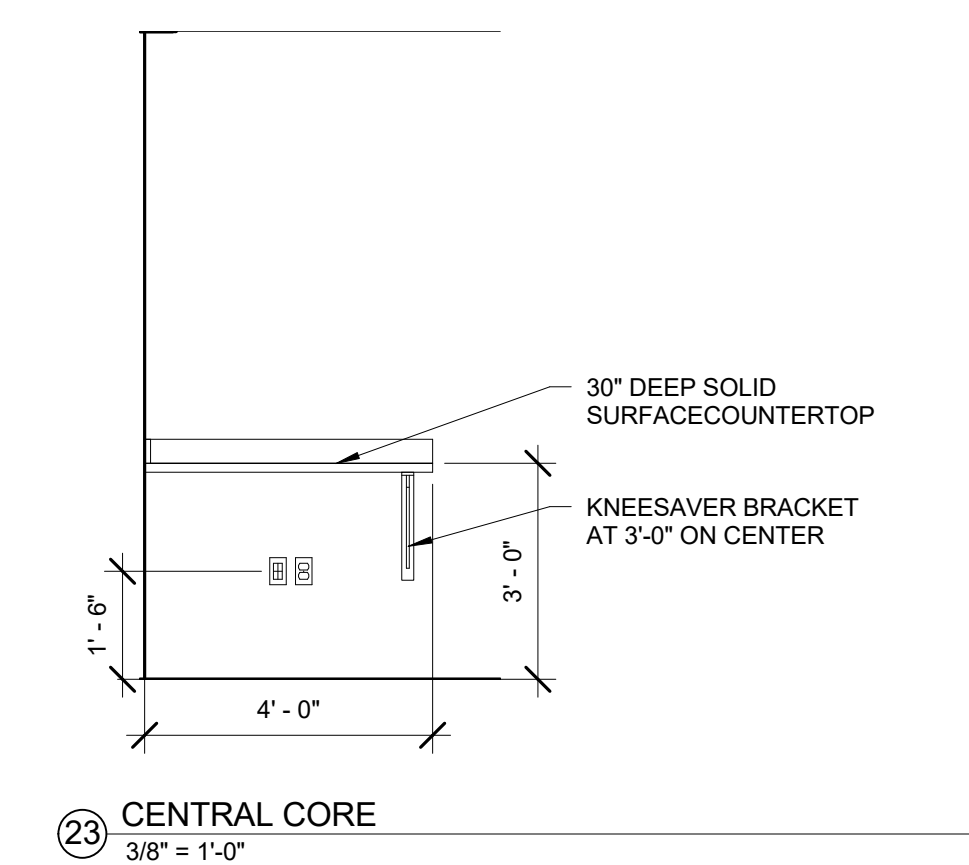
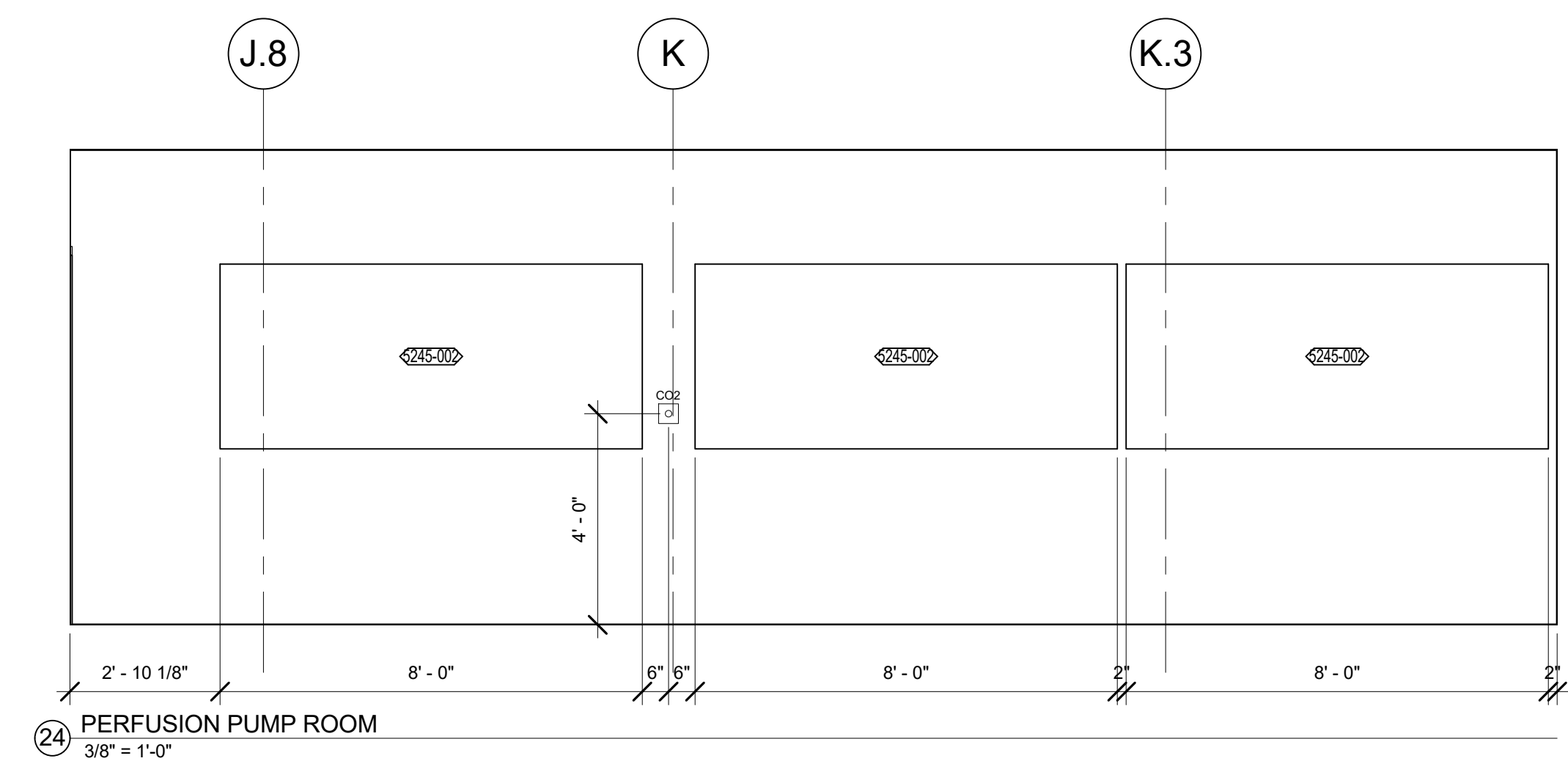
GENERAL INTERIOR ELEVATION NOTES

- REFER TO EQUIPMENT PLANS AND CUTSHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE ALL WALL OUTLETS TO AVOID CONFLICT WITH CASEWORK.
- ALL DIMENSIONS ARE TO FACE OF FINISHED MATERIAL.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTING CABINERY.
- PROVIDE FILLER PANELS AT ALL LOCATIONS WHERE CABINERY ABUTS A WALL.
- ALL CASEWORK SHALL BE FINISHED IN PLASTIC LAMINATE UNLESS NOTED OTHERWISE.
- PROVIDE ADJUSTABLE SHELVING WITHIN ALL WALL AND BASE CABINERY AS SHOWN BY DASHED LINE.
- ALL BASE CABINETS SHALL BE 2'-0" DEEP UNLESS NOTED OTHERWISE.
- ALL FULL HEIGHT CABINETS SHALL BE 2'-0" DEEP UNLESS NOTED OTHERWISE.
- PROVIDE A 4" HIGH INTEGRAL BACKSPLASH ON ALL COUNTERTOPS WITH RECESSED SINKS. INSTALL SIDE SPLASHES WHERE THESE COUNTERTOPS ABUT A WALL.
- INSTALL WOOD BLOCKING TO STUDS TO SUPPORT ALL WALL-MOUNTED CABINERY AND EQUIPMENT AS REQUIRED.
- PROVIDE 12" CLEAR INTERIOR DIMENSION ON ALL UPPER WALL CABINETS UNLESS NOTED OTHERWISE.
- REFER TO WALL PROTECTION "WP" SERIES DRAWINGS FOR ITEMS DESIGNATED WITH "WP-X" AND "CG-X".
- MECHANICAL, ELECTRICAL, HVAC, AND VENDOR-SUPPLIED DEVICES ARE SHOWN ON THESE ELEVATIONS FOR PURPOSES OF LOCATING THEM ON WALLS. REFER TO MEP DRAWINGS AND VENDOR DRAWINGS FOR FULL SCOPE OF WORK AND FOR QUANTITIES.

20 AUGUST 2018
As indicated
ERG
23801

Date:
Scale:
Drawn by:
Project #:
Revisions:

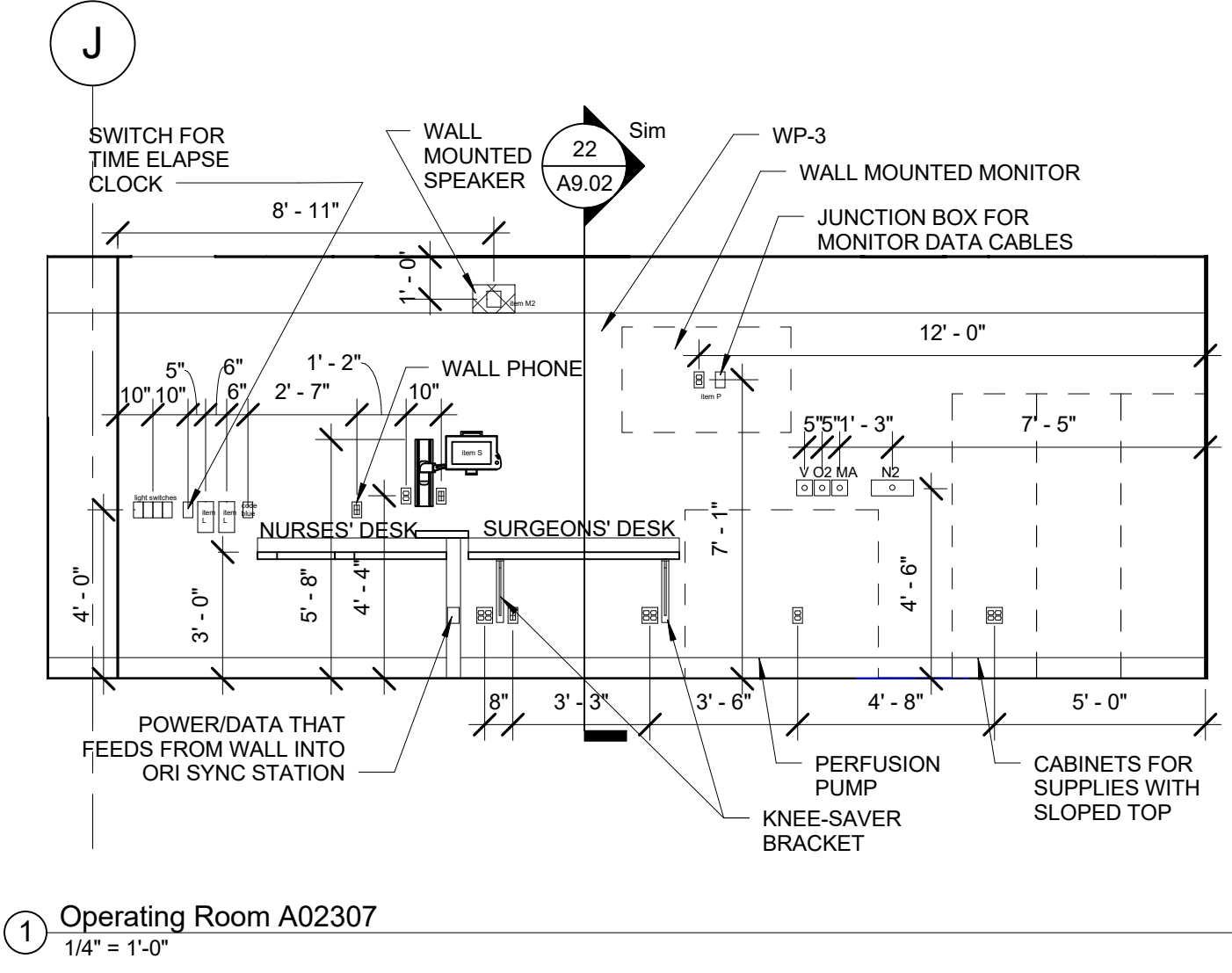
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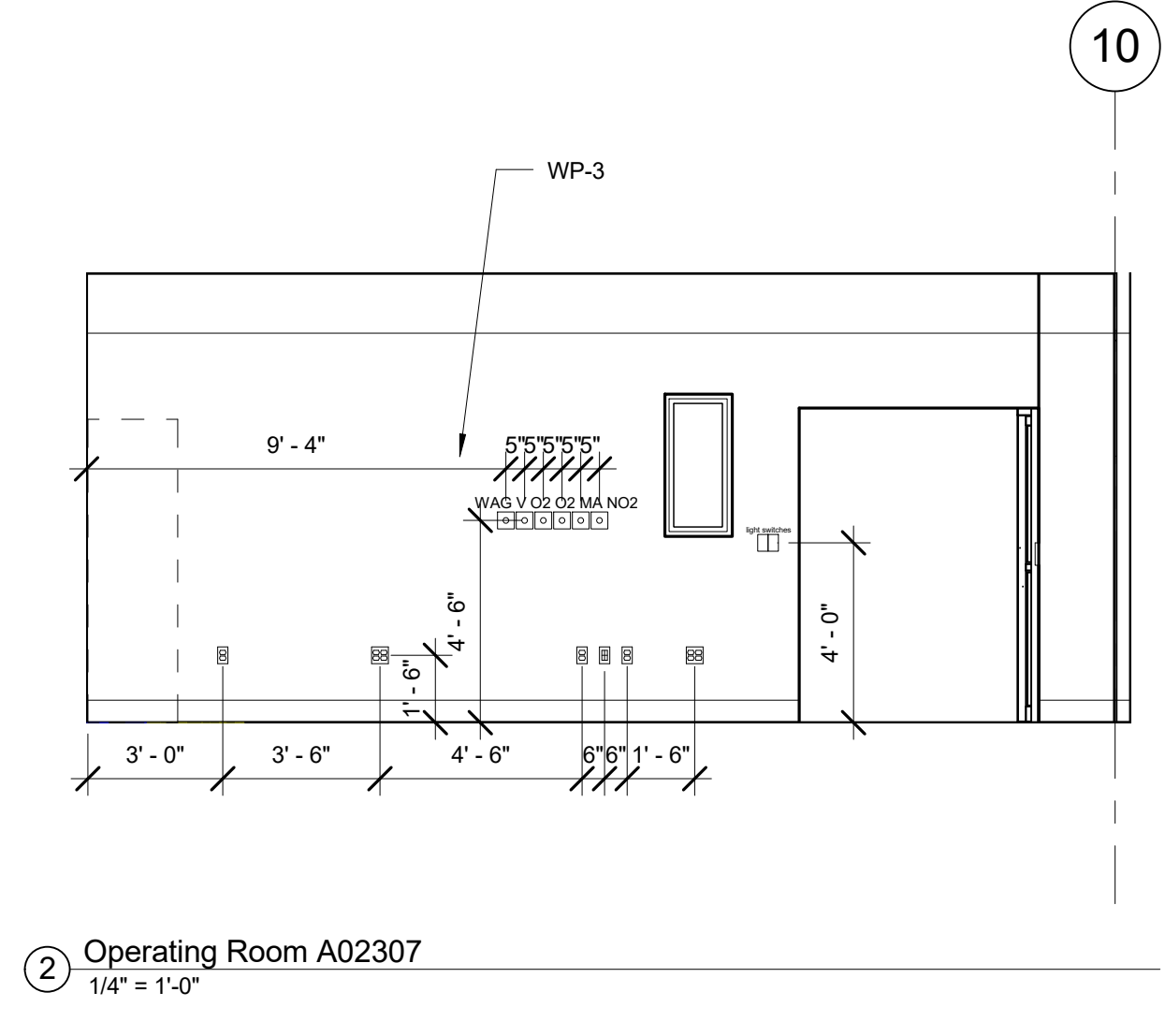
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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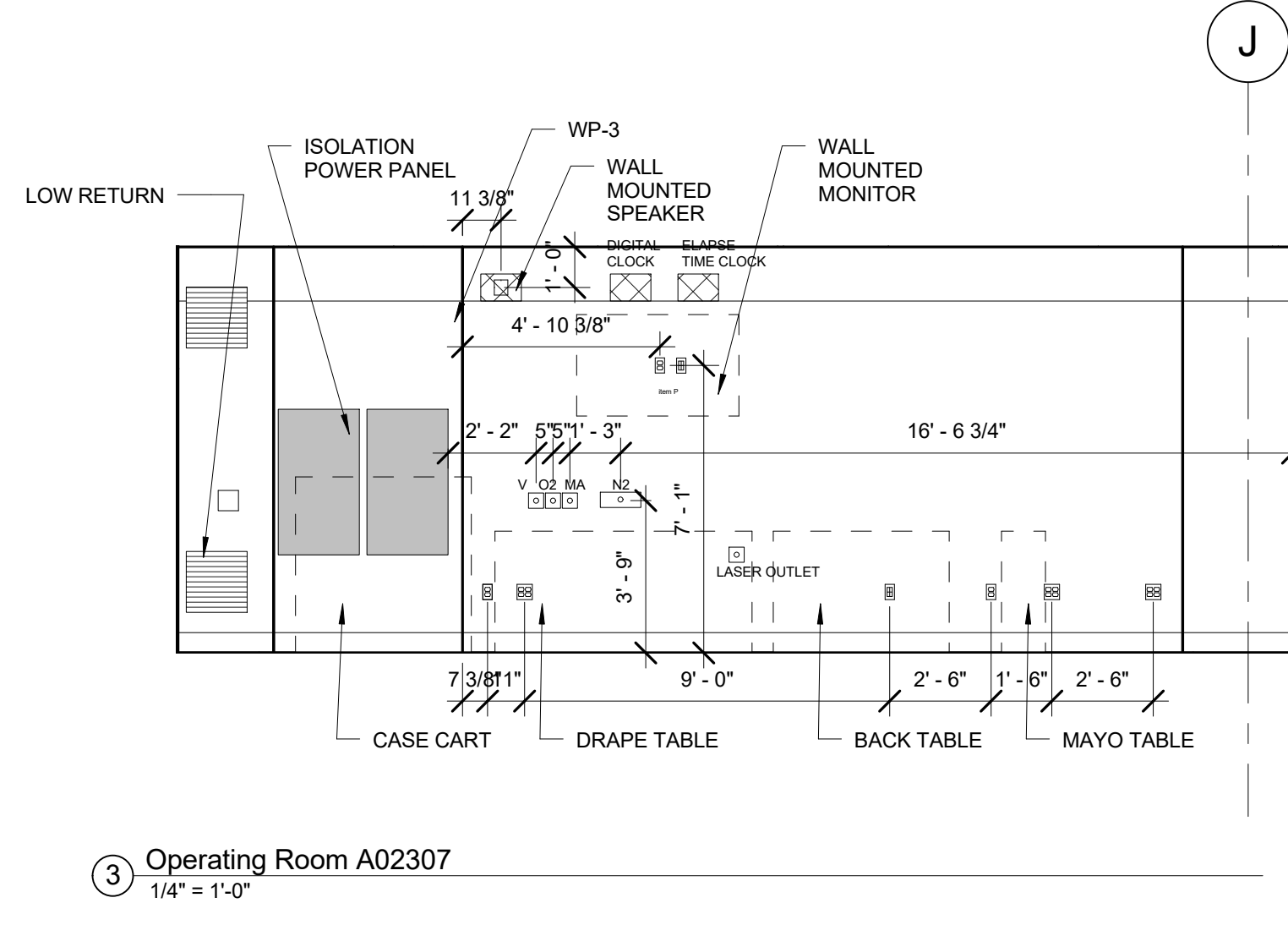
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A9.02



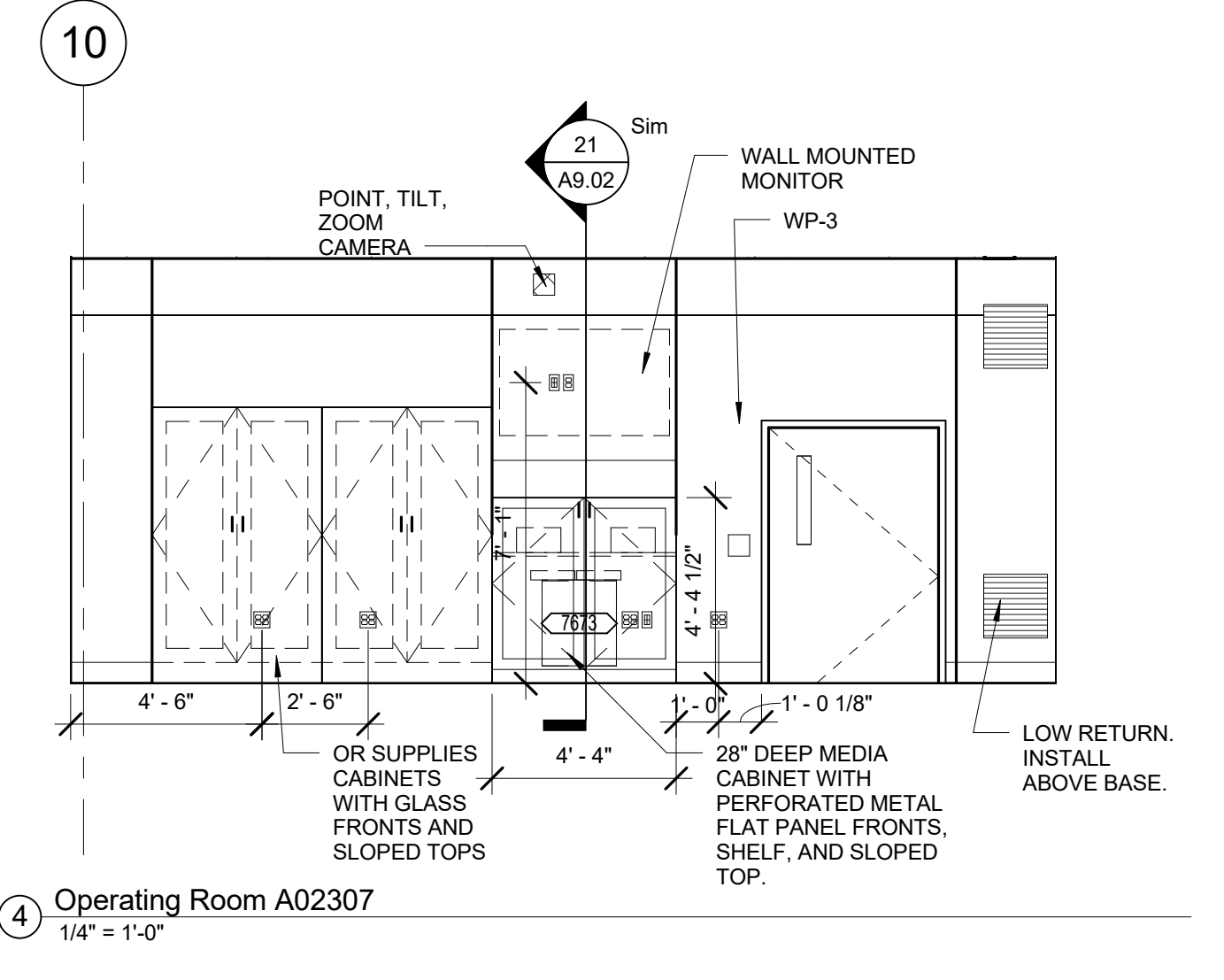
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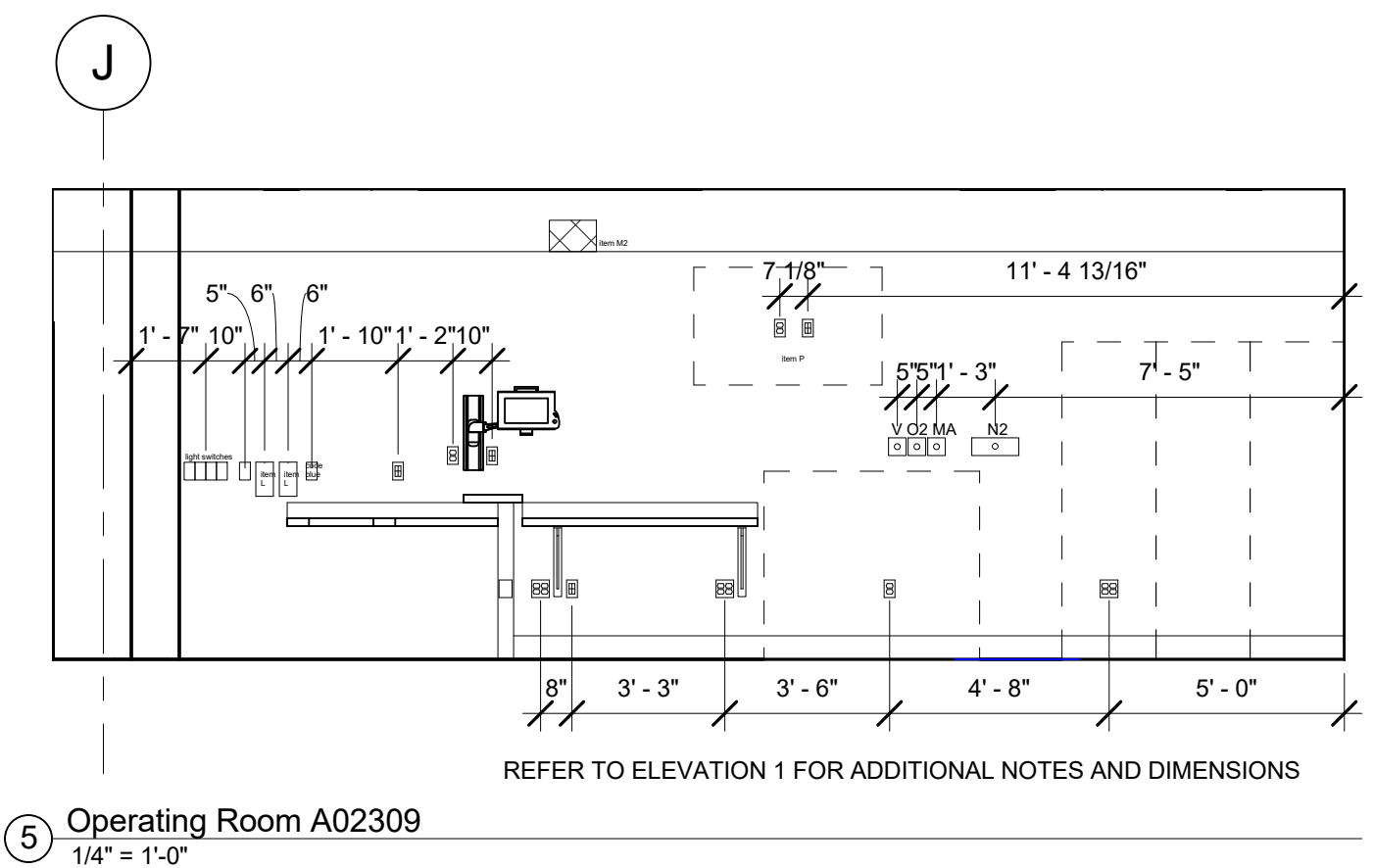
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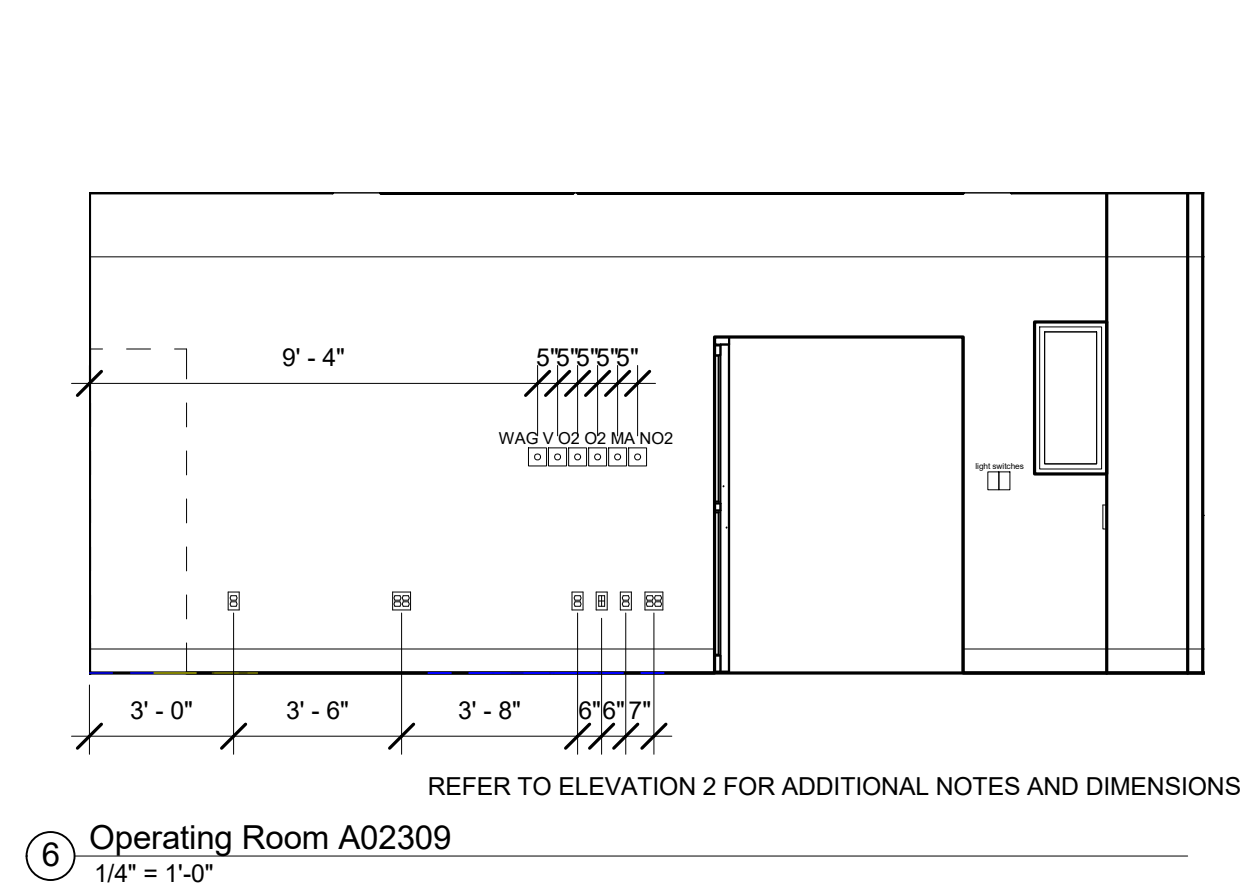
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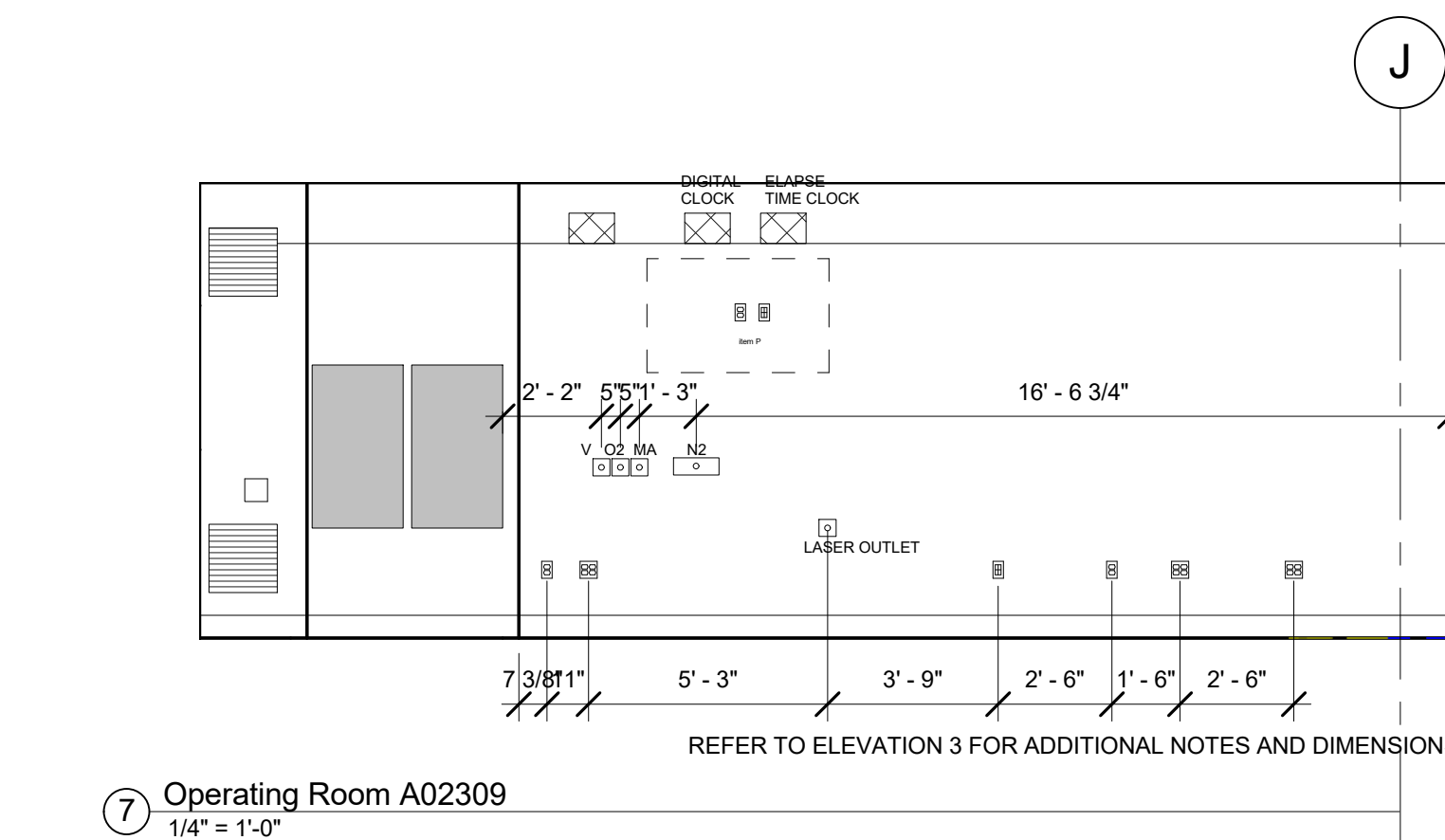
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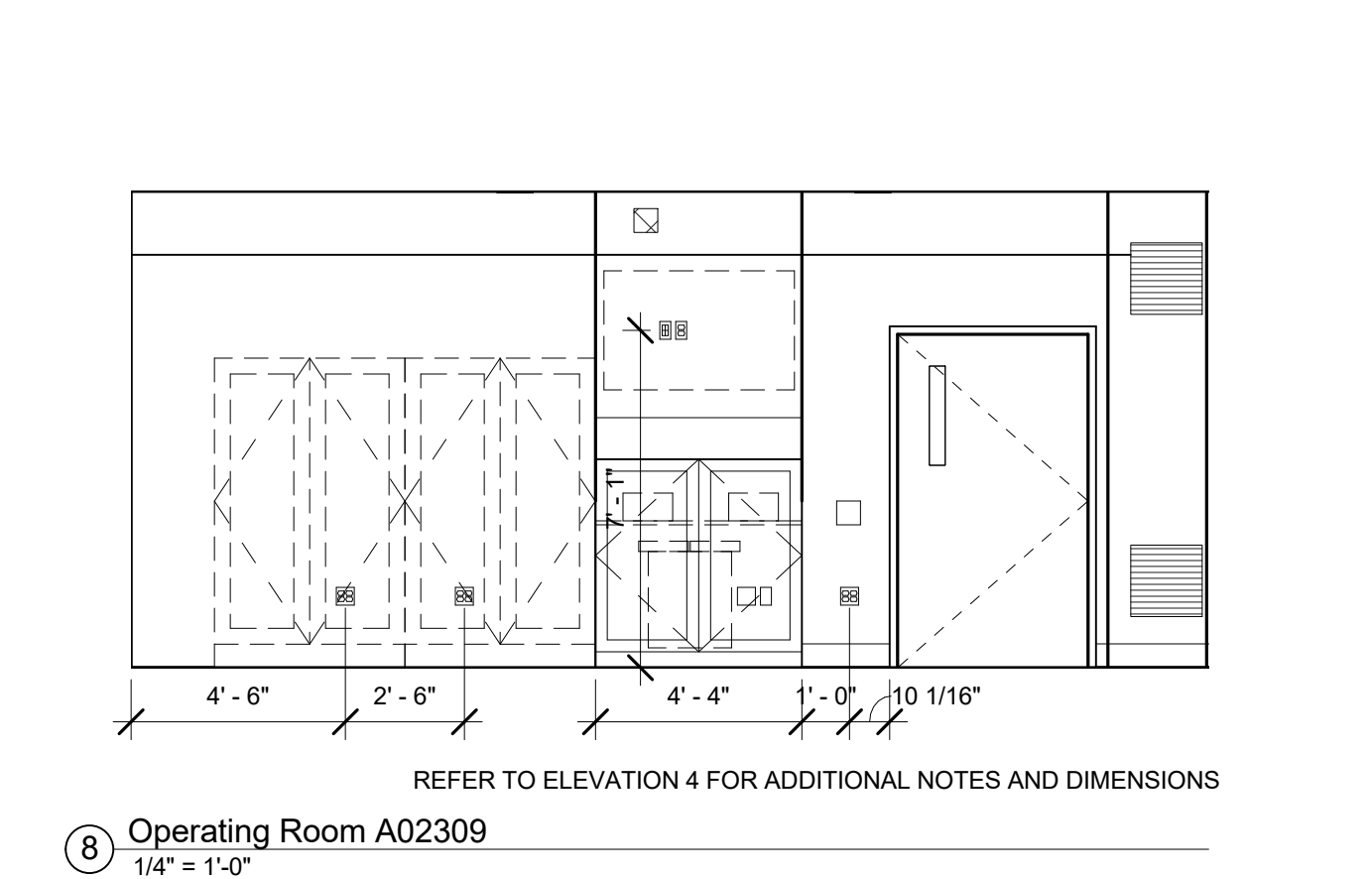
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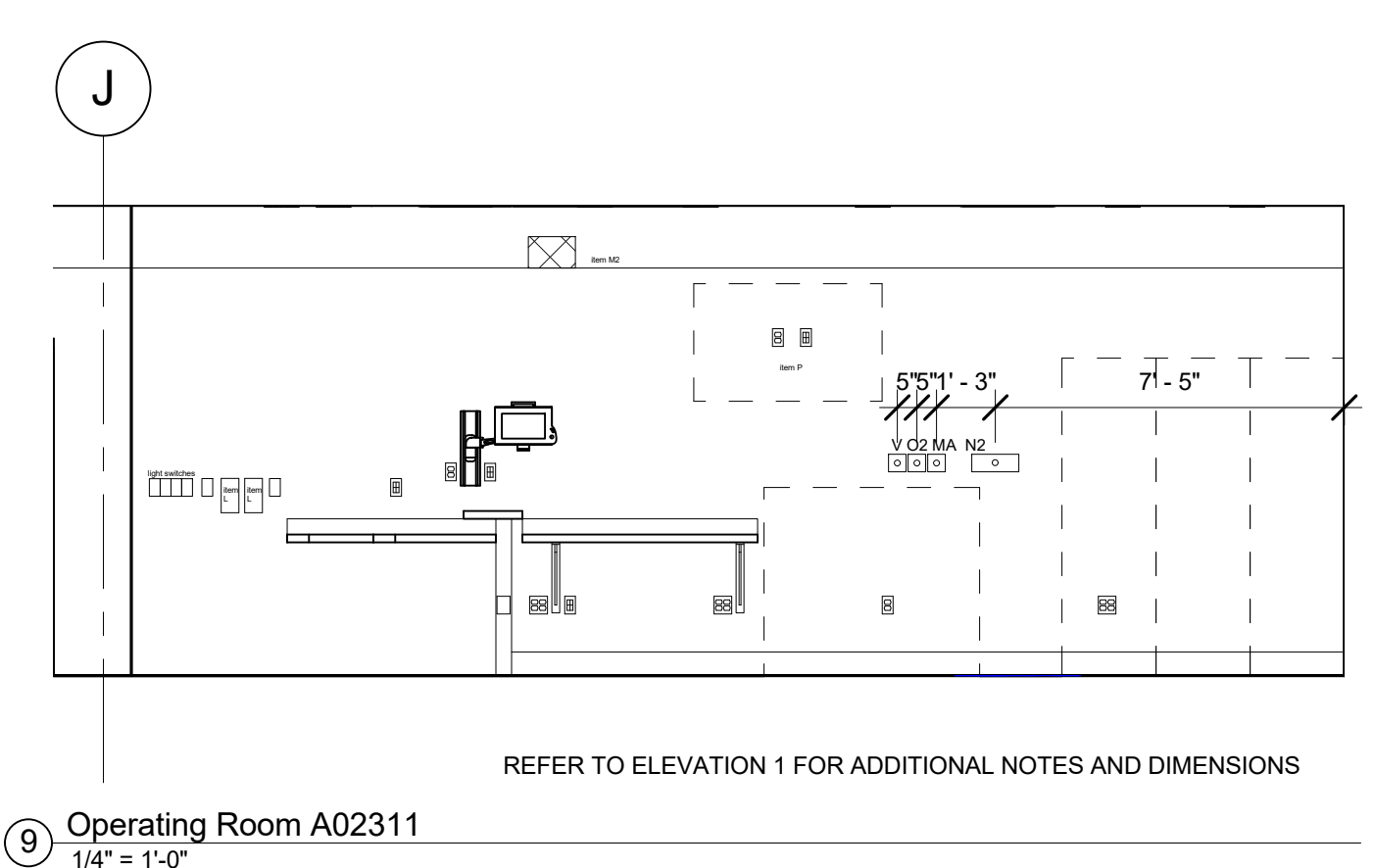
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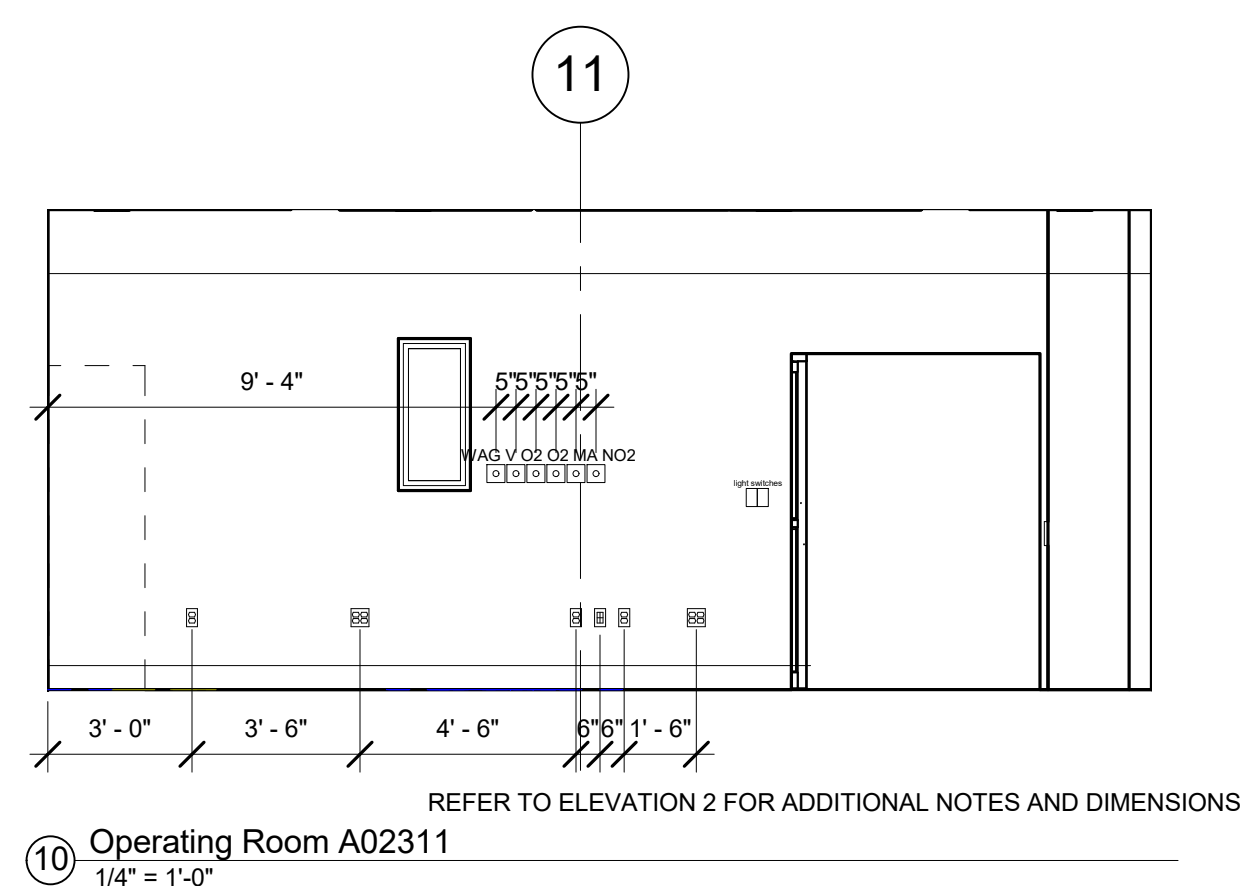
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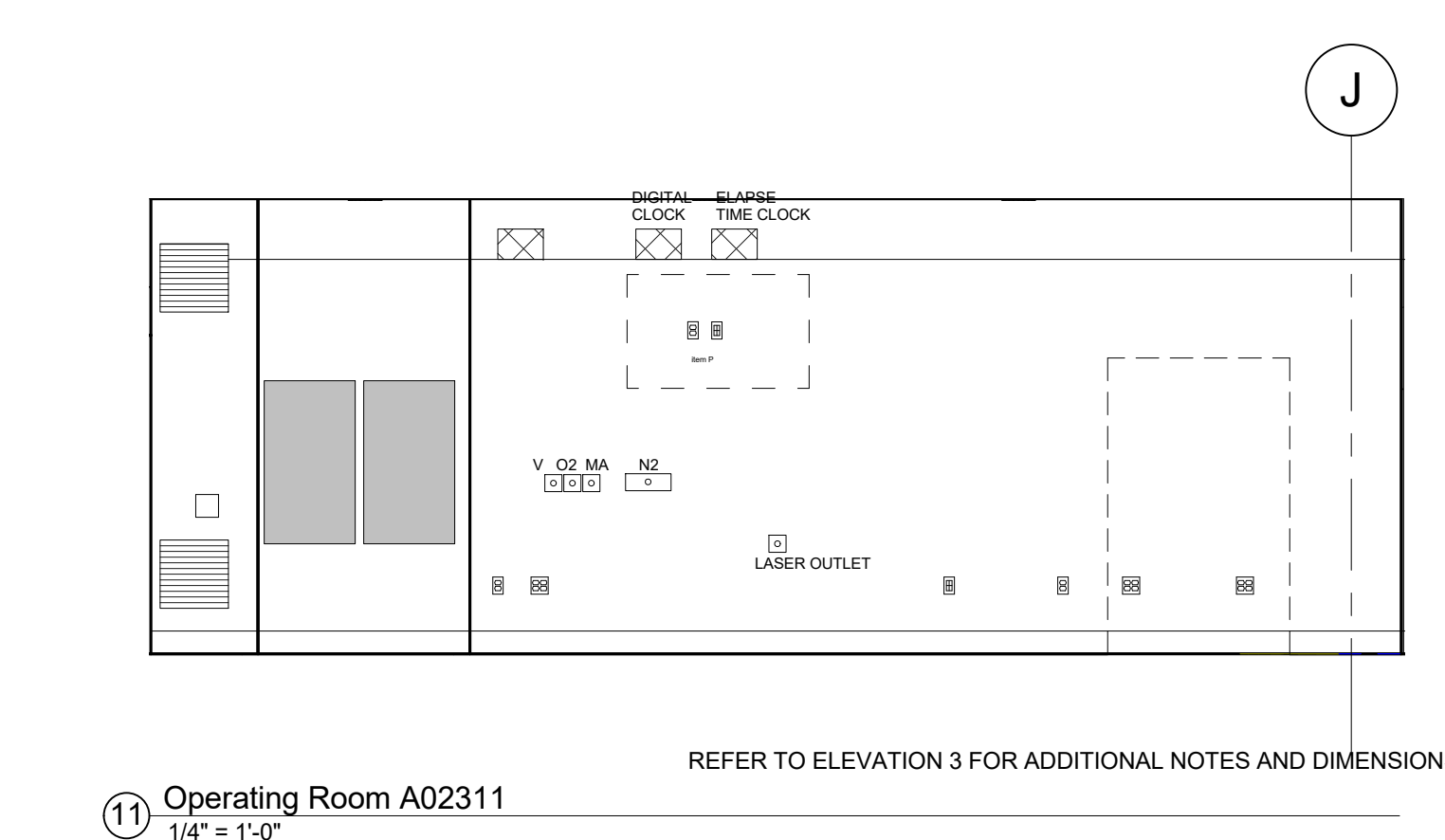
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1/4" = 1'-0"



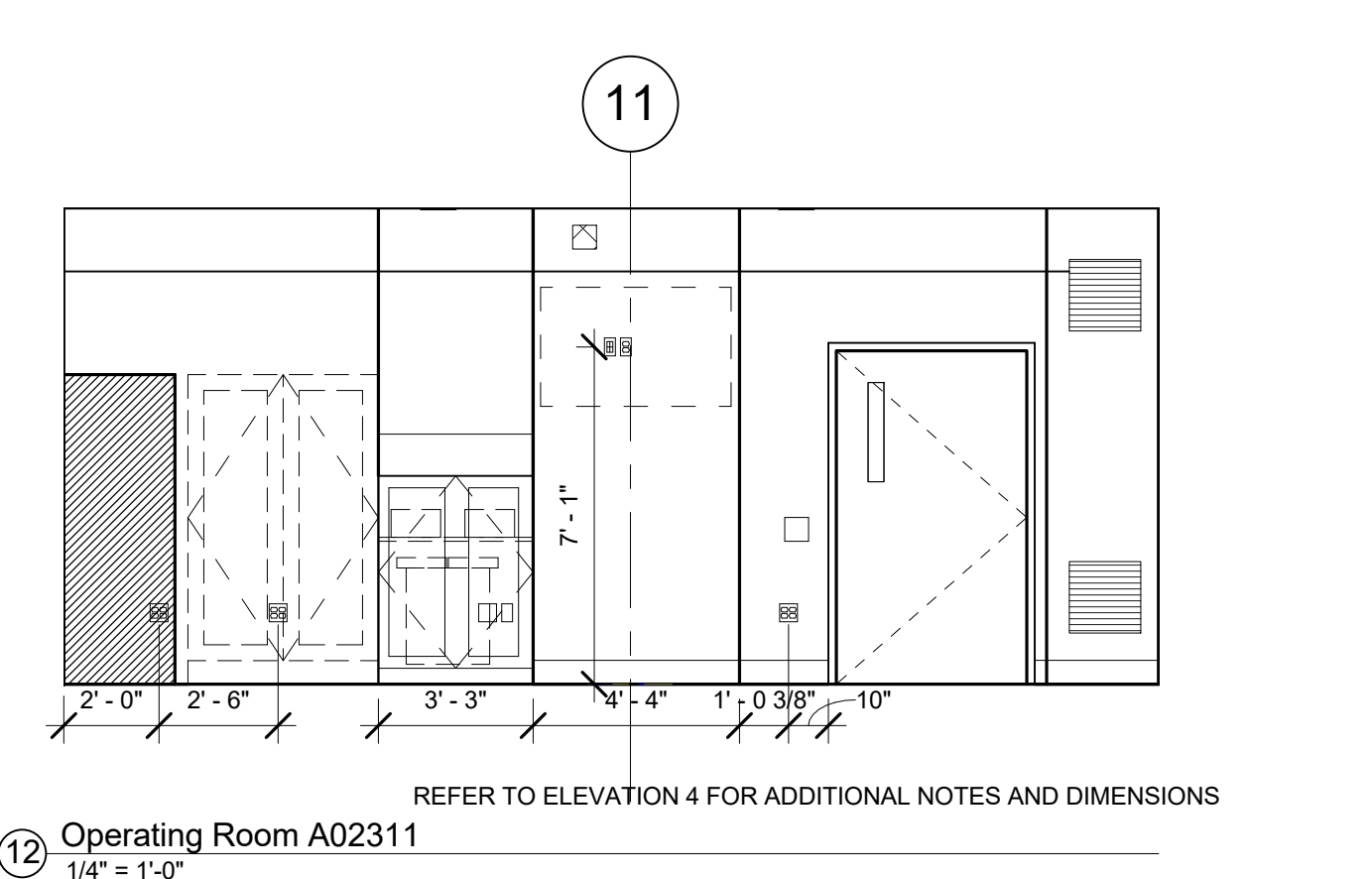
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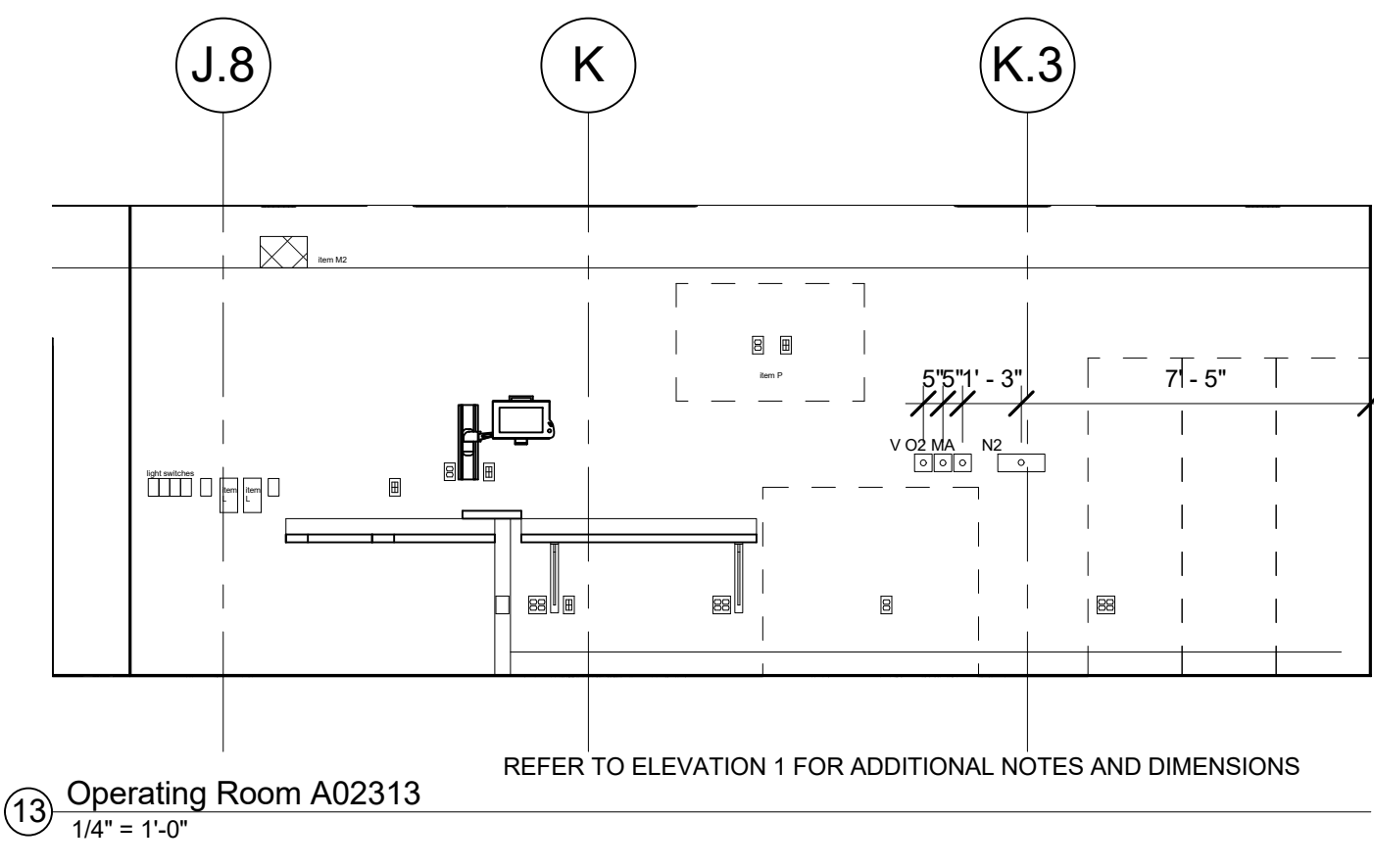
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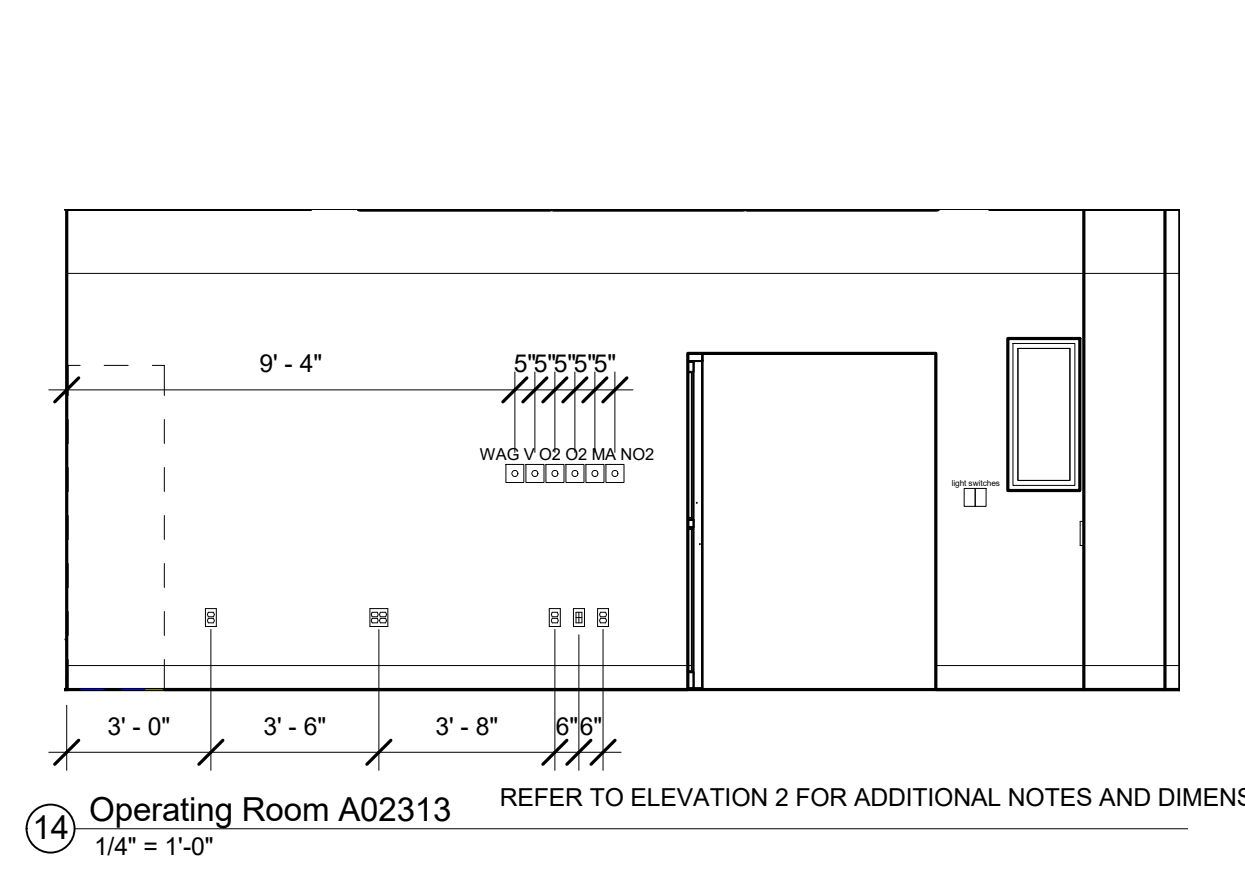
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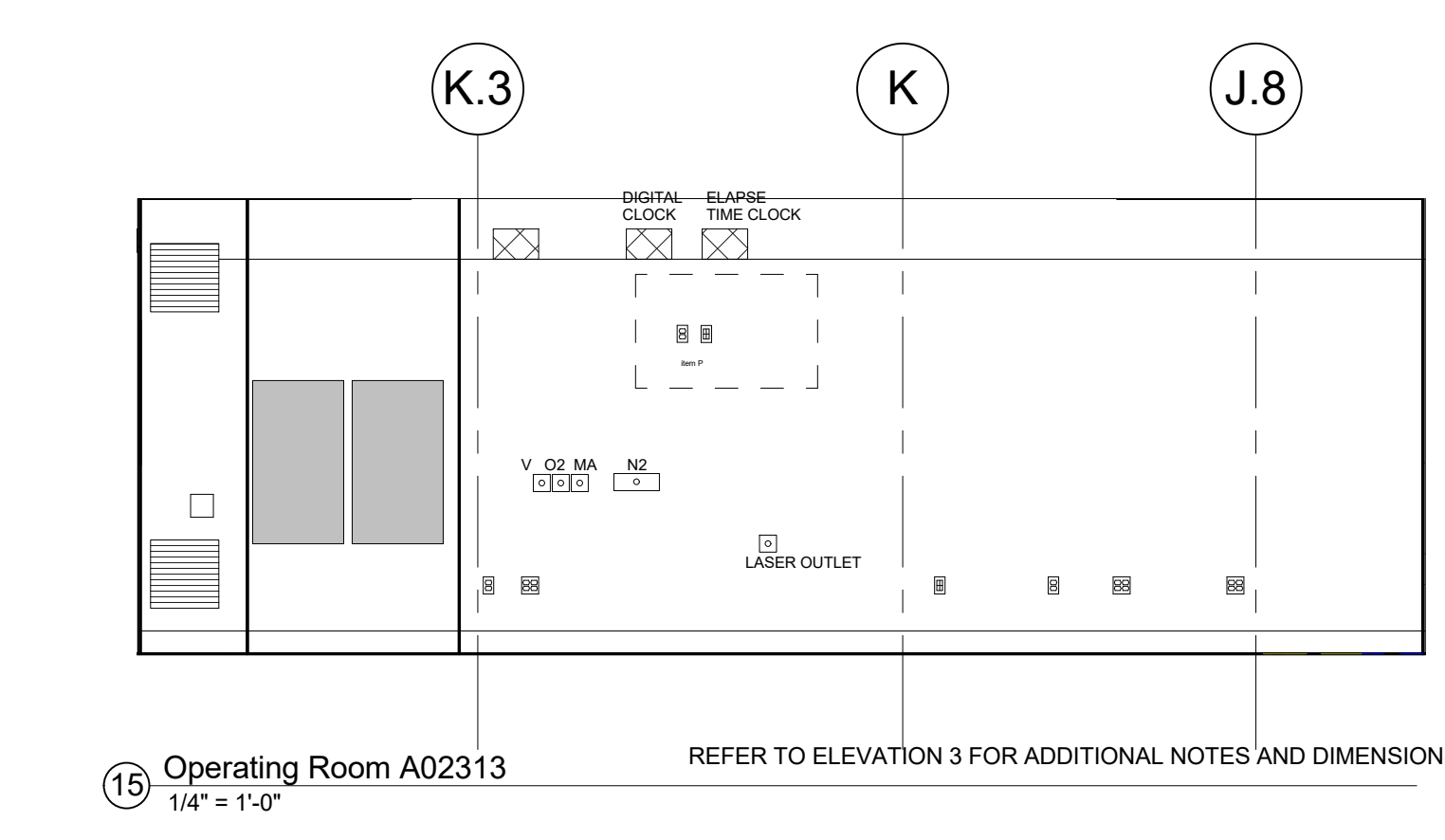
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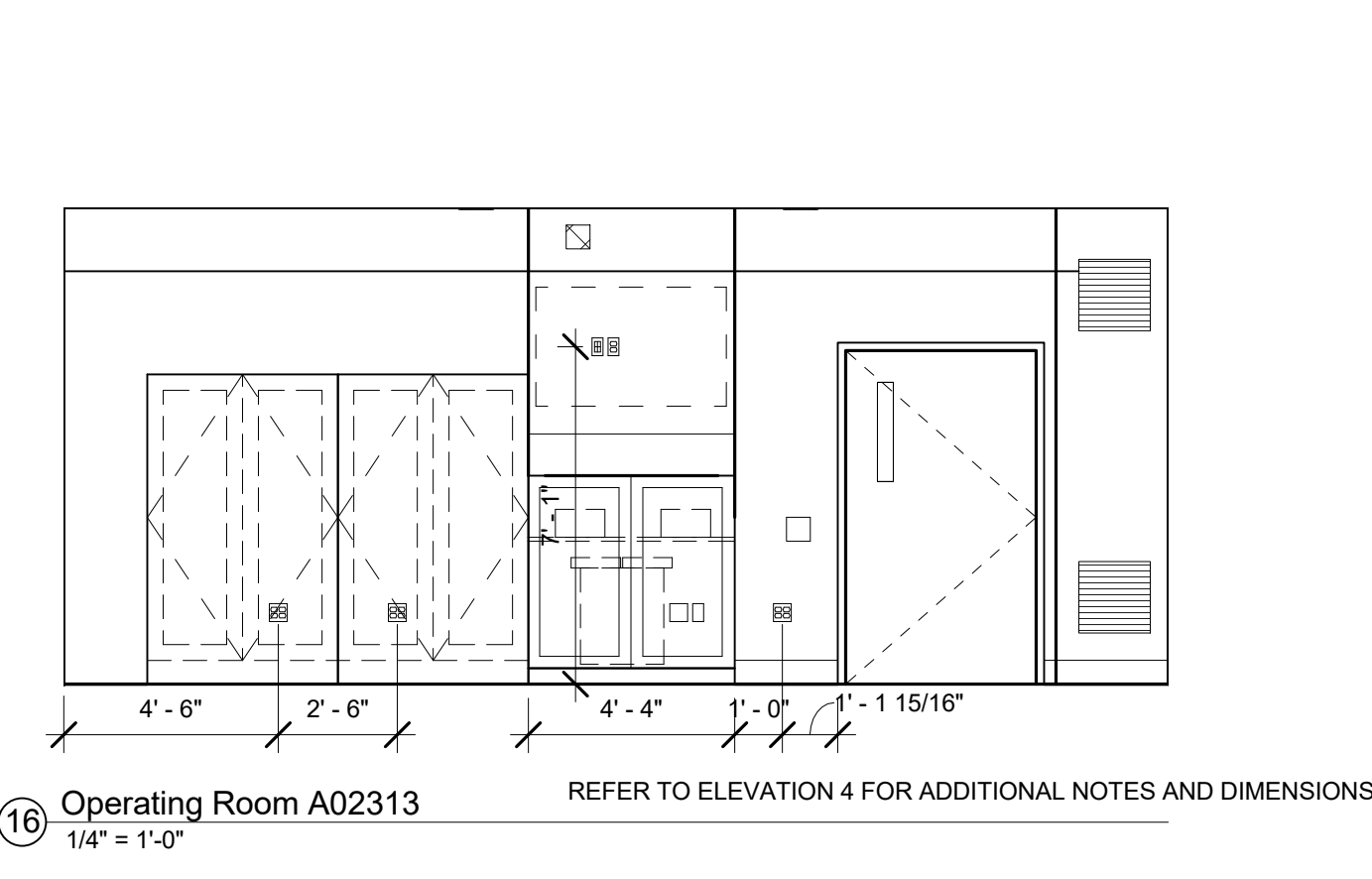
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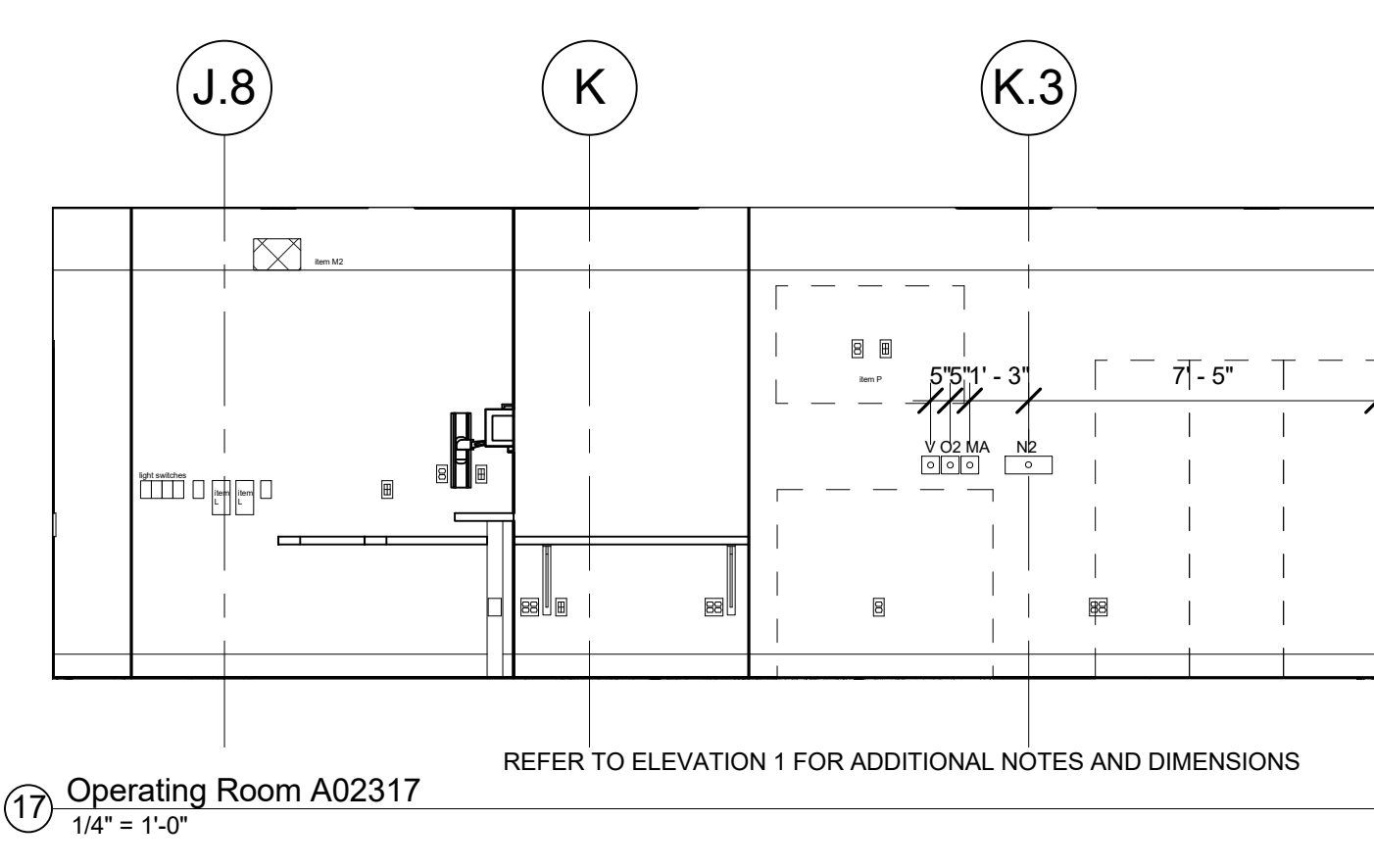
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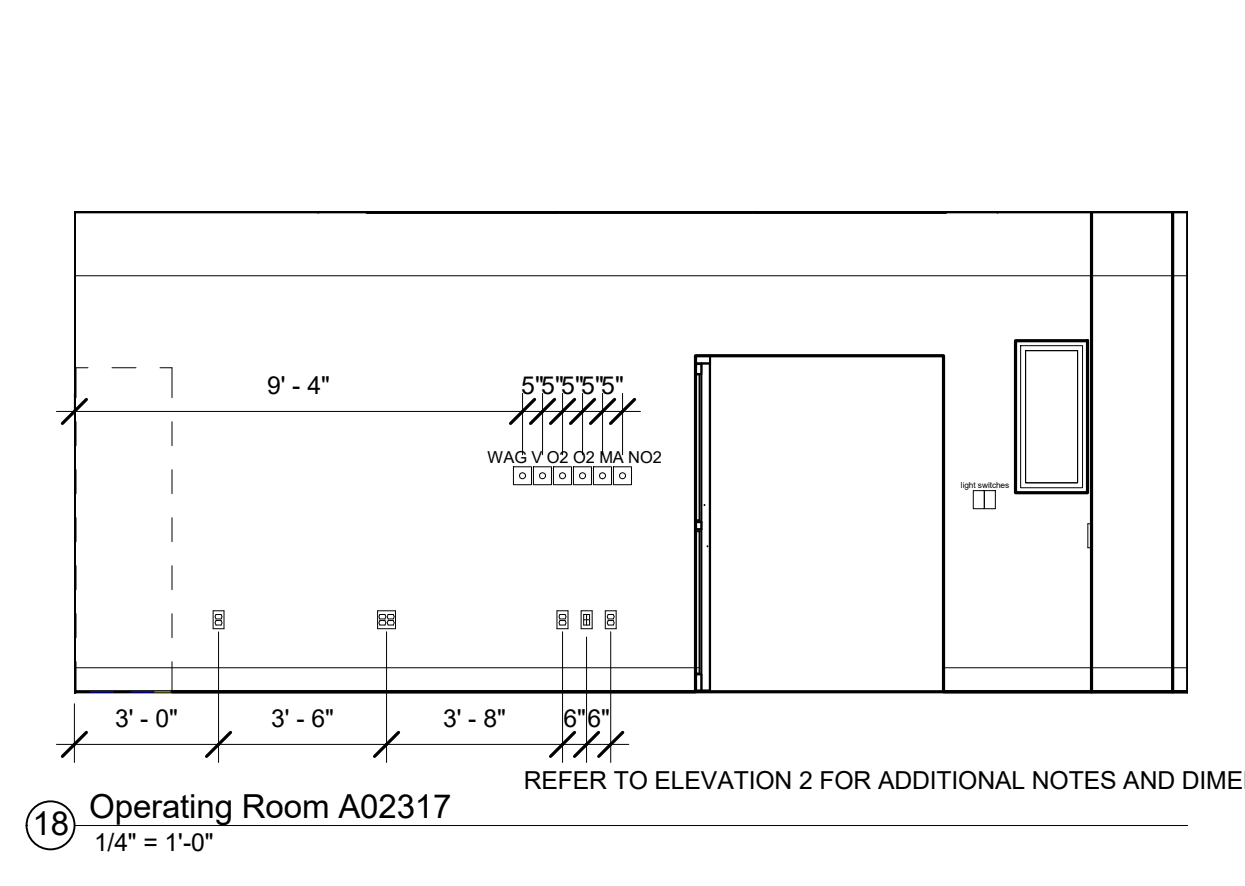
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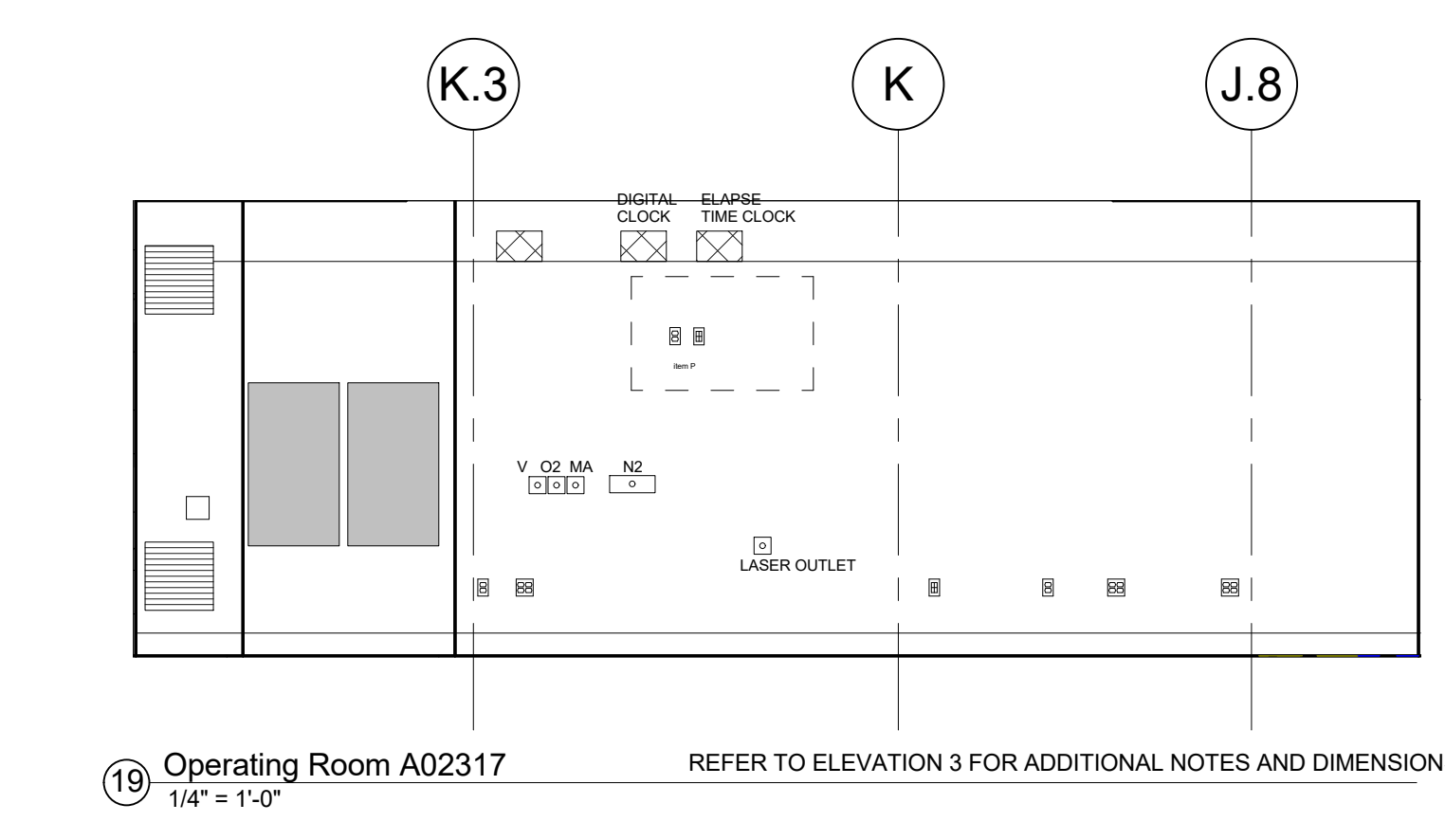
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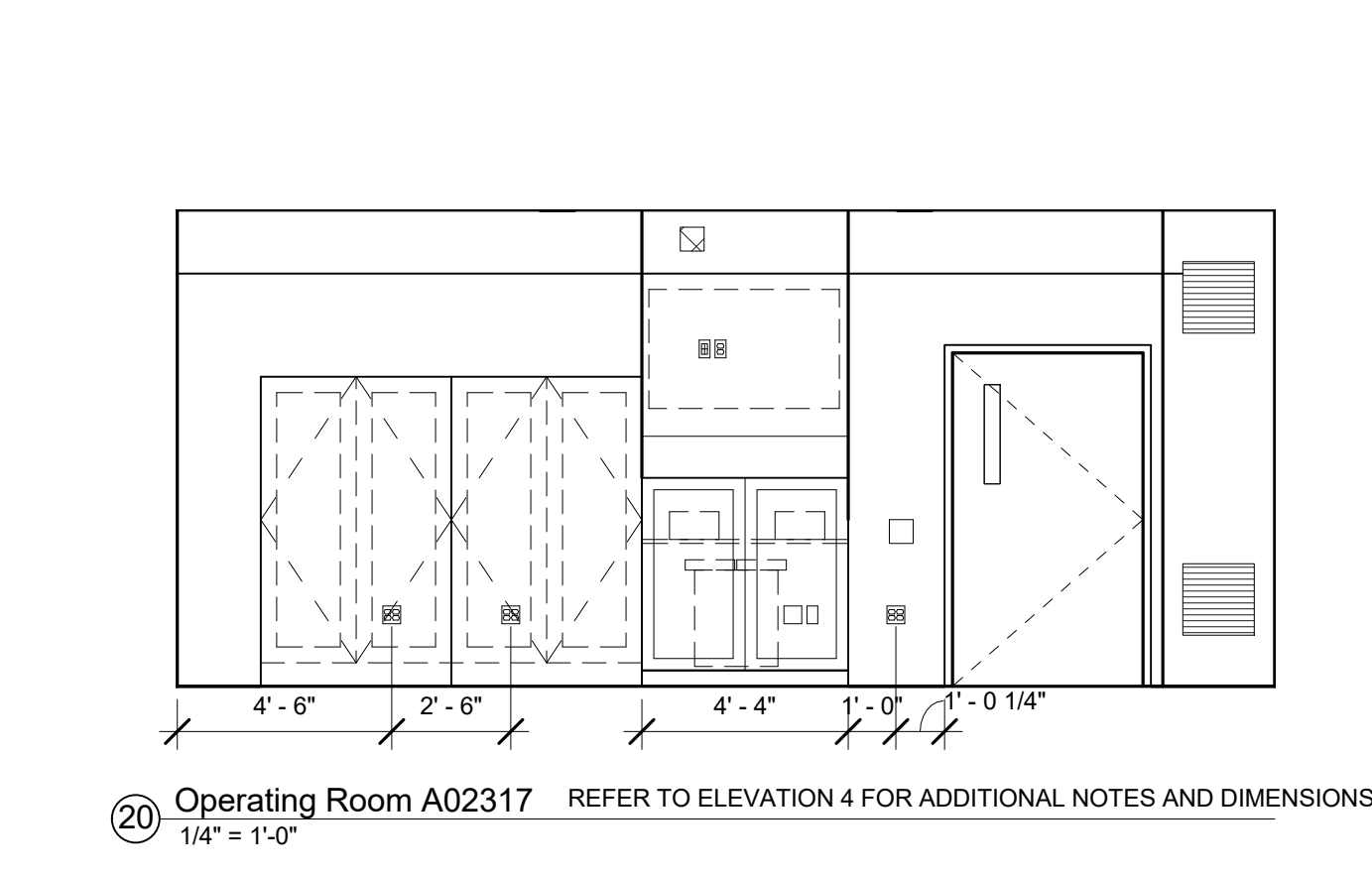
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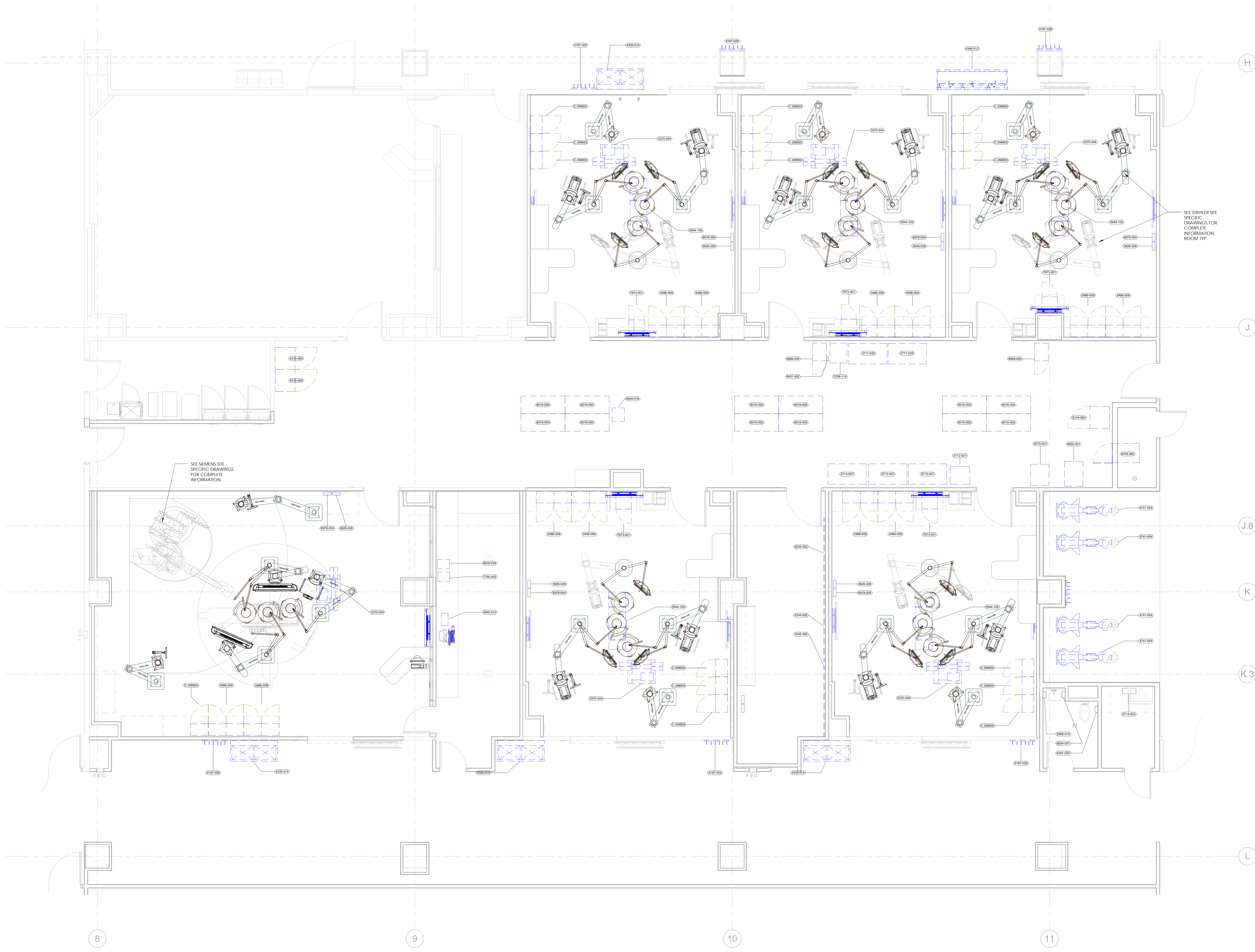
18 Operating Room A02317
1/4" = 1'-0"



19 Operating Room A02317
1/4" = 1'-0"



20 Operating Room A02317
1/4" = 1'-0"



1 SECOND FLOOR EQUIPMENT PLAN - AREA B
1/4" = 1'-0"

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

SECOND FLOOR PLAN - AREA B

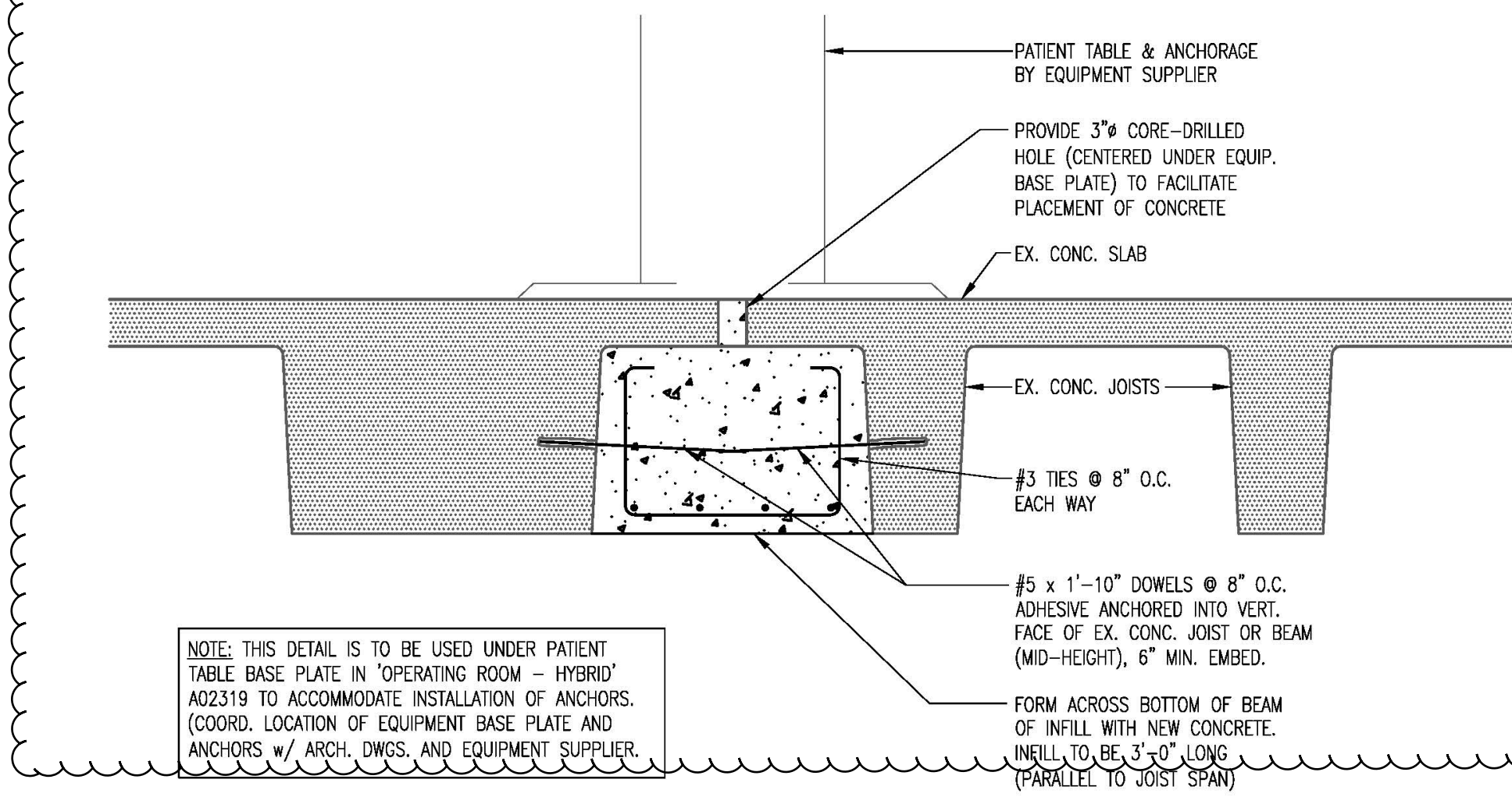


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PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER: 0150382-10000
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
PHASE 2 - DESIGN DEVELOPMENT REVIEW SUBMITTAL

DATE: 25 MARCH 2016
SCALE: As indicated
DRAWN BY: DV
PROJECT #: 0150382-10000
REVISIONS:

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2 INFILL BETWEEN EX. CONC. JOISTS UNDER EQUIP. BASE PLATE
SCALE: 3/4" = 1'-0"

EXISTING CONSTRUCTION

- The Contractor shall field verify the dimensions, elevations, etc. necessary for the proper construction and alignment of the new portions of the work to the existing work. The Contractor shall make all necessary measurements for fabrication and erection of the structural members. Any discrepancy shall be brought to the attention of the Structural Engineer of Record (SER).
- Before proceeding with any work within the existing facility, the Contractor shall familiarize himself with existing structural and other conditions. Any shoring shown or noted on the Plans is a partial and schematic representation of that required. It shall be the Contractor's responsibility to provide all necessary bracing, shoring, and other safeguards to maintain all parts of the work in a safe condition during the progress of demolition and construction, and to protect from damage those portions of the existing work which are to remain. Shoring shall remain in place until the structural work is complete, has been inspected by the Testing Agency, and is certified to be in substantial compliance with the Contract Documents.
- When required by the Specifications or by Plan Note, the Contractor shall submit for the SER's review, a "Proposed Shoring Plan", including, but not limited to: plans, sections, details, notes, description of proposed sequence of work, and calculations prepared by, or under the supervision of, a Specialty Structural Engineer (SSE). The SSE shall be registered in the State where the project is located.
- Welding to and within an existing facility presents potential hazards including:
 - Fire Hazard—Due to the existing construction and building contents.
 - Structural Liquefaction—Due to welding across the full section of the structural members.
 Recommendations to prevent these hazards include:
 - Fire Hazard—Protect existing combustibles prior to welding. Keep a separate watchman and several fire extinguishers on hand.
 - Structural Liquefaction—weld in small increments. Allow welds to harden before continuing to the next increment.
 - Do not leave the site until satisfied that no fire hazard exists.
 - Preference should be given to the use of beam clamps, mechanical fasteners, or bolted connections in lieu of welding within existing facilities, whenever possible. Do not field-drill existing structural members without the written permission of the SER.

COORDINATION WITH OTHER TRADES

- The Contractor shall coordinate and check all dimensions relating to Architectural finishes, mechanical equipment and openings, elevator shafts and overruns, etc. and notify the Architect/Engineer of any discrepancies before proceeding with any work in the area under question.
- The Structural Drawings shall be used in conjunction with the Drawings of all other disciplines and the Specifications. The Contractor shall verify the requirements of other trades as to sleeves, chases, hangers, inserts, anchors, holes, and other items to be placed or set in the Structural Work.
- There shall be no vertical or horizontal sleeves set, or holes cut or drilled in any beam or column unless it is shown on the Structural Drawings or approved in writing by the SER.
- The Mechanical Contractor shall verify that mechanical units supported by steel framing are capable of spanning the distance between the supporting members indicated on the Structural Drawings. The Mechanical Contractor shall supply additional support framing as required.
- If the Drawings and Specifications are in conflict, the most stringent restrictions and requirements shall govern.

SEISMIC DESIGN CRITERIA

- The following Seismic Loads were taken from the existing drawings (based on the Kentucky Building Code, 2007):

Site Class	B
Risk Category (BC Table 1604.5)	IV
Seismic Importance Factor, I _e	1.50
Design Spectral Response Acceleration, S _{ds}	0.152g
Design Spectral Response Acceleration, S _{d1}	0.059g
Seismic Design Category, SDC	A
Response Modification Factor, R	3
Design Base Shear, V	

 Tower: 1995 kips
 Lobby: 25 kips
 Bridge: 25 kips
 Equipment Lateral Force
 Ordinary Reinforced Conc.
 Moment Frame & Shear
 Walls, Ordinary Steel
 Moment Frames, and
 Ordinary Steel
 Concentrically Braced Frames.

GENERAL NOTES

- The Contractor shall be responsible for complying with all safety precautions and regulations during the work. The SER will not advise on, nor issue direction as to safety precautions and programs.
- The Structural Drawings herein represent the finished structure. The Contractor shall provide all temporary guying and bracing required to erect and hold the structure in proper alignment until all Structure Work and connections have been completed. The investigation, design, safety, adequacy and inspection of the bracing, shoring, temporary supports, etc. is the sole responsibility of the Contractor.
- The SER shall not be responsible for the methods, techniques, and sequences of procedures to perform the Work. The supervision of the Work is the sole responsibility of the Contractor.
- The Drawings indicate general and typical details of construction. Where conditions are not specifically shown, similar details of construction shall be used, subject to approval of the SER.
- All structural systems which are to be composed of components to be field erected shall be supervised by the Supplier during manufacturing, delivery, handling, storage, and erection in accordance with the Supplier's instructions and requirements.
- Loading applied to the structure during the process of construction shall not exceed the safe load-carrying capacity of the structural members. Do not apply any construction loads until structural framing is properly connected together and until all permanent bracing is in place.
- All ASTM and other referenced standards and codes are for the latest editions of these publications, unless noted otherwise.
- Shop Drawings and other items shall be submitted to the SER for review prior to fabrication. All shop drawings shall be reviewed by the Contractor before submittal. The SER's review is to be for conformance with the design concept and general compliance with the relevant Contract Documents. The SER's review does not relieve the Contractor of the sole responsibility to review, check, and coordinate the Shop Drawings prior to submission. The Contractor remains solely responsible for errors and omissions associated with the preparation of Shop Drawings as they pertain to member sizes, details, dimensions, etc.
- Submit Shop Drawings in the form of blue/line prints (min. 2 sets/ max. 5 sets) unless the use of electronic submittals has been addressed in the Specifications or approved by the SER in writing. In no case shall reproductions of the Contract Documents be used as Shop Drawings. As a minimum, submit the following items for review:
 - Structural Steel Shop Drawings.
- Resubmitted Shop Drawings: Resubmitted shop drawings are reviewed only for responses to comments made in the previous submittal.
- When calculations are included in the submittal for components of Work designed and certified by a Specialty Structural Engineer (SSE), the review by the Structural Engineer of Record (SER) shall be for conformance with the relevant Contract Documents. The SER's review does not relieve the SSE from responsibility for the design of their system(s) and the coordination with the elements of the structure under the certification of the SER, or other SSE's. The SER's review does not constitute a warrant of the accuracy or completeness of the SSE's design.
- Contractors shall visit the site prior to bid to ascertain conditions which may adversely affect the Work or cost thereof.
- No structural member may be cut, notched, or otherwise reduced in strength without written direction from the SER.
- When modifications are proposed to structural elements under the design and certification of a SSE, written authorization by the SSE must be obtained and submitted to the SER for review prior to performing the proposed modifications.

STRUCTURAL STEEL NOTES

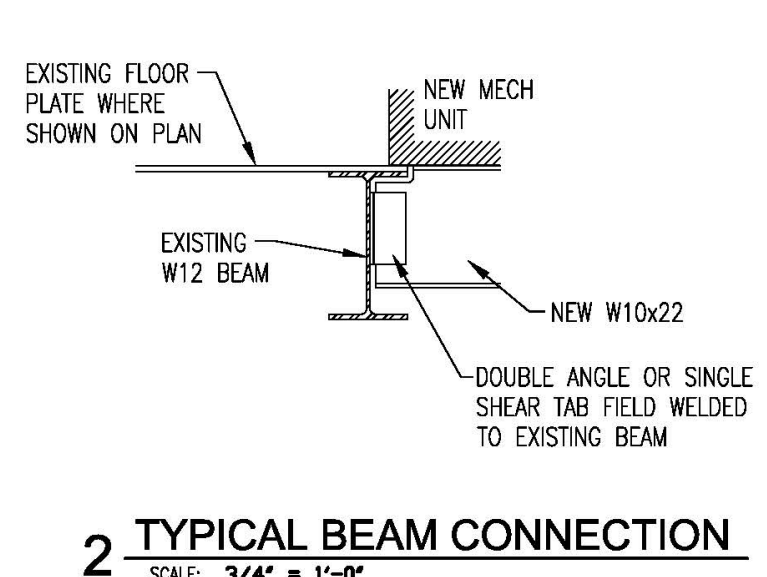
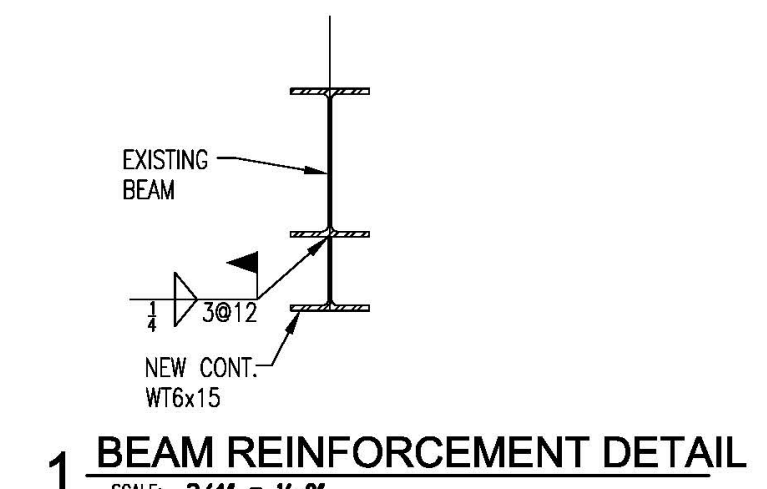
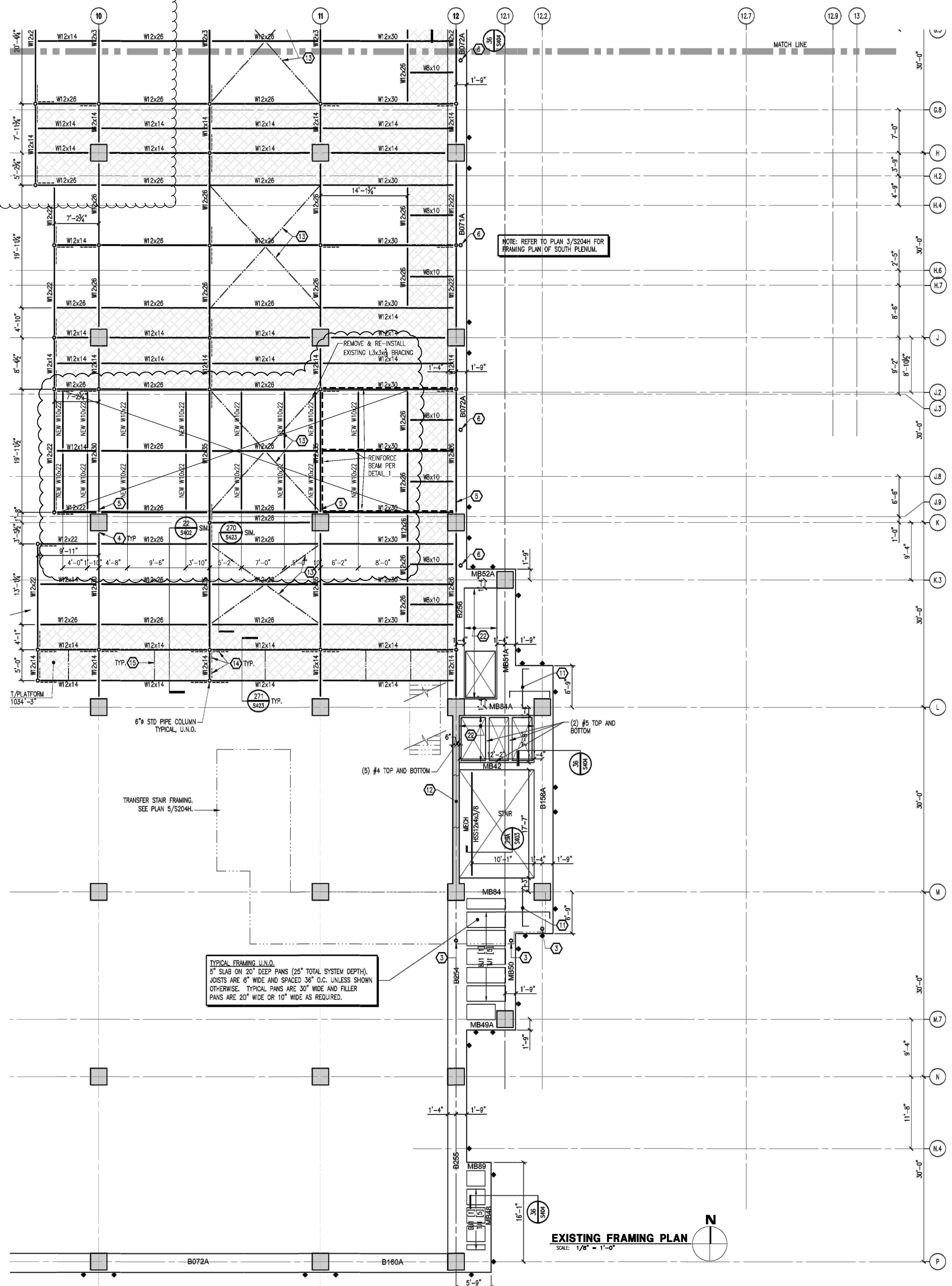
- Structural steel construction shall conform to the American Institute of Steel Construction "Specification for Structural Steel Buildings".
- All structural wide flange members shall be ASTM A992, Fy=50 ksi.
- All plates, channels, bars, angles, and rods shall be ASTM A36, unless noted.
- Details for design, fabrication and erection of all structural steel shall be in accordance with the latest AISC Standards, unless otherwise noted or specified.
- Provide temporary erection guying and bracing as required.
- Fabricate simple span beams not specifically noted to receive camber so that after erection, any minor camber due to rolling or shop assembly be upward.
- Steel shall be provided with Fabricator's standard lead—and chromate-free, nonaqueous, rust-inhibiting primer.
- The Erector shall align between parallel beams with differential mill and induced cambers for level unit bearing.

STEEL CONNECTION NOTES

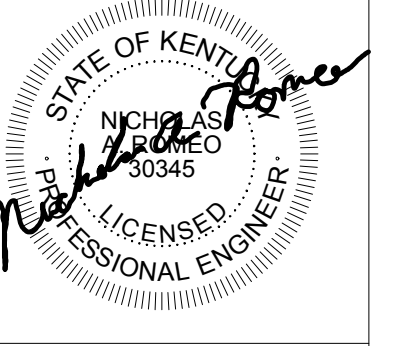
- Typical beam-to-beam and beam-to-column connections shall be bearing type using A325 bolts, unless noted otherwise.
- Shop connections unless otherwise shown, may be either bolted or welded. All field connections shall be bolted unless otherwise shown on the Structural Drawings.
- Connections shall be designed by the Steel Fabricator to support the reactions shown on the framing plan(s). Simple span connections without reactions listed on the Structural Drawings shall be designed by the Steel Fabricator in accordance with Table 3-6 of the AISC "Manual of Steel Construction, 14th Edition". For non-composite beams, design connections for 50% of the tabulated ASD value.
- All beam-to-beam connections shall be double angle, unless shown or noted otherwise.
- Typical bearing-type beam-to-beam, and beam-to-column field-bolted connections may be lightened to the snug-tight condition, unless otherwise shown or noted.
- All welding shall be in conformance with AWS D1.1, using E70XX electrodes, unless shown or noted otherwise. Welding, both shop and field, shall be performed by welders certified for the weld types and positions involved according to the current edition of AWS D1.1. Perform all AESS welds with care to provide a clean, uniform appearance.
- Backup bars required for welded connections shall be continuous.
- Holes in steel shall be drilled or punched. All slotted holes shall be provided with smooth edges. Burning of holes in structural steel shall not be allowed without approval of the SER.
- The minimum thickness of all connection material shall be 3/8", unless noted.
- A qualified independent Testing Agency shall be retained to perform inspection and testing of structural steel field weldments as follows:

WELD INSPECTION SCHEDULE						
WELD TYPE	VT	MT	UT	PT	RT	COMMENTS
FILLET (SINGLE PASS)	25%	-	-	-	-	ROOT PASS AND FINISHED WELD
FILLET (MULTIPLE PASS)	50%	25%	-	-	-	
FLARE BEVEL/FLARE V	25%	-	-	-	-	
GROOVE (PARTIAL PENETRATION)	100%	-	100%	-	-	REFERENCE NOTE "E" BELOW
GROOVE (FULL PENETRATION)	100%	-	100%	-	-	ALL FULL PENETRATION WELDS

- Test procedures:
 - VT = Visual Test (Inspection)
 - MT = Magnetic Particle Test: ASTM E109, cracks or incomplete fusion or penetration not acceptable.
 - UT = Ultrasonic Test: ASTM E164.
 - PT = Penetrant Test: ASTM E165.
 - RT = Radiographic Test, ASTM E94 and ASTM E142, min. quality level 2-21.
- Acceptance standards in AWS D1.1 shall be followed for each test procedure.
- Test procedures may be substituted to meet feasibility requirements of test based upon weld geometry or other factors with the approval of the SER.
- Samples shall occur at random locations; additional tests may be required at locations noted on the Drawings.
- Groove welds include square, bevel, V, U, and J grooves including single and double pass types.
- Partial penetration square groove welds at end seal plates of tubular members do not require inspection.
- Weld Procedure Specifications (WPS) shall be produced and maintained in accordance with AWS D1.1. The independent Testing Agency shall have access to all WPS's during the course of testing and inspection.
- For highly-restrained welded joints, especially in thick plates and/or heavy structural shapes, detail the welds so that shrinkage occurs as much as possible in the direction of the steel was rolled. Refer to the AISC Manual for preferred welded-joint arrangements that reduce the possibility for lamellar tearing. Members scheduled to receive highly-restrained connections shall be tested by the independent Testing Agency by Ultrasonic Testing prior to commencing welding.
- In addition to inspection requirements for fillet welds in Table above, 100% of field welding of diagonal bracing members to gusset plates shall be visually inspected (VI).

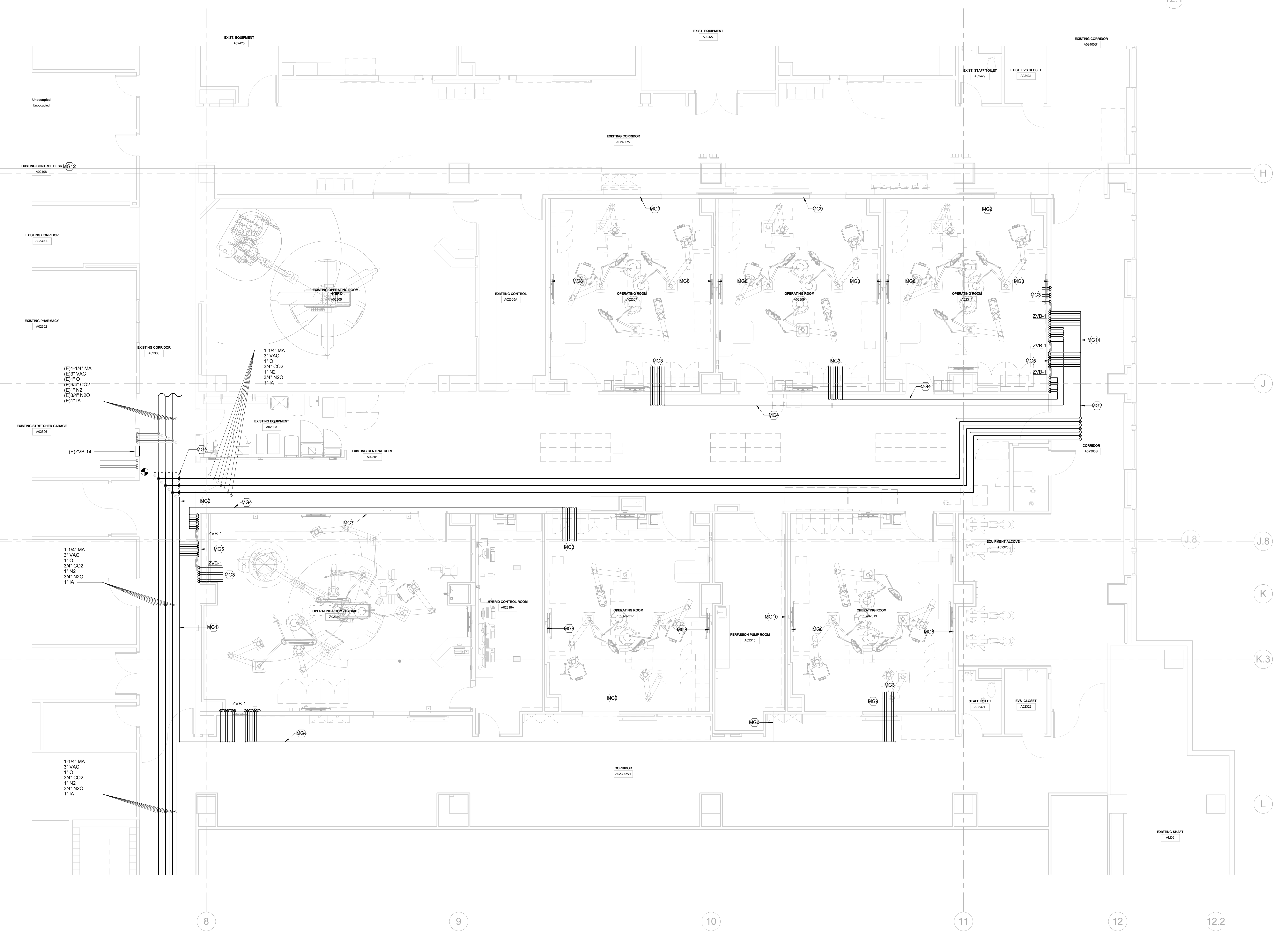


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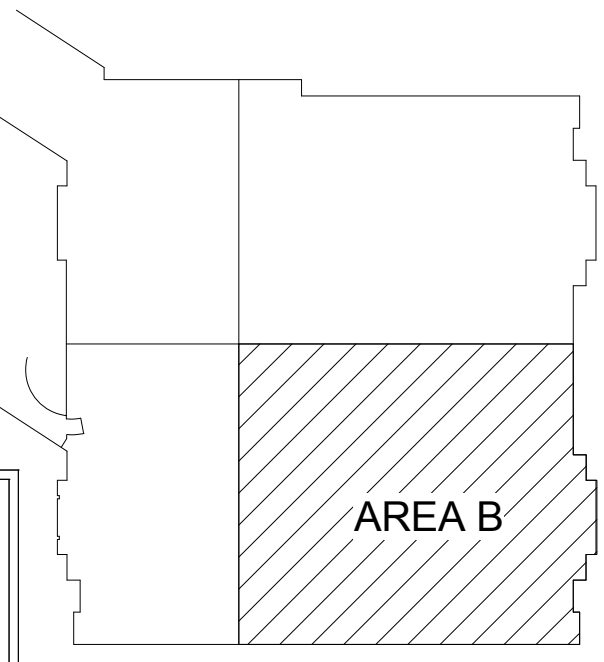
Revision Schedule

TAGGED NOTES	
MG1	INSTALL MED GAS PRESSURE ALARM SENSOR AT EACH MEDICAL GAS BRANCH LINE UP STREAM OF THE FIRST MED GAS ZONE VALVE BOX. MEDICAL GAS ALARM PANEL SHALL BE INSTALLED AT THE EXISTING CONTROL DESK A02408. COORDINATE WITH OWNER LOCATION OF THIS DEVICE. REFER TO NOTE MG12 FOR LOCATION OF CONTROL DESK.
MG2	1-1/4" MEDICAL AIR, 3" VACUUM, 1" OXYGEN, 3/4" CARBON DIOXIDE, 3/4" NITROGEN, 3/4" NITROGEN OXIDE AND 1" INSTRUMENT AIR IN A STACKED.
MG3	CONTRACTOR TO COORDINATE FINAL MEDICAL GAS AND VACUUM CONNECTIONS TO BOOMS.
MG4	3/4" MEDICAL AIR, 1" VACUUM, 3/4" OXYGEN, 3/4" CARBON DIOXIDE, 3/4" NITROGEN, 3/4" NITROGEN OXIDE AND 3/4" INSTRUMENT AIR STACKED.
MG5	1" MEDICAL AIR, 1-1/2" VACUUM, 1" OXYGEN, 3/4" CARBON DIOXIDE, 1" NITROGEN, 3/4" NITROGEN OXIDE AND 1" INSTRUMENT AIR DOWN BETWEEN TWO ZONE VALVE BOXES. GASES THEN SPLIT TO EACH ZONE VALVE BOX.
MG6	1/2" CARBON DIOXIDE PIPING TO PERFUSION PUMP ROOM'S WALL OUTLET.
MG7	PROVIDE (1) 1/2" MEDICAL AIR WALL OUTLET, (2) 1/2" OXYGEN WALL OUTLETS, (2) 3/4" VACUUM WALL OUTLETS, (1) 1/2" CARBON DIOXIDE WALL OUTLET, (1) 1/2" NITROGEN WALL OUTLET AND (1) 3/4" WASTE GAS WALL OUTLET. REFER TO ARCHITECTURAL PLAN FOR OUTLET WALL LOCATION.
MG8	PROVIDE (1) 1/2" MEDICAL AIR WALL OUTLET, (1) 1/2" OXYGEN WALL OUTLET, (1) 3/4" VACUUM WALL OUTLET AND (1) 1/2" NITROGEN WALL OUTLET. REFER TO ARCHITECTURAL PLAN FOR OUTLET WALL LOCATION.
MG9	PROVIDE (1) 1/2" MEDICAL AIR WALL OUTLET, (2) 1/2" OXYGEN WALL OUTLETS, (1) 3/4" VACUUM WALL OUTLET, (1) 1/2" NITROGEN OXIDE WALL OUTLET AND (1) 3/4" WASTE GAS WALL OUTLET. REFER TO ARCHITECTURAL PLAN FOR OUTLET WALL LOCATION.
MG10	PROVIDE (1) 1/2" CARBON DIOXIDE WALL OUTLET. REFER TO ARCHITECTURAL PLAN FOR OUTLET WALL LOCATION.
MG11	1/2" MEDICAL AIR, 1" VACUUM, 1/2" OXYGEN, 1/2" CARBON DIOXIDE, 1/2" NITROGEN, 1/2" NITROGEN OXIDE AND 3/4" INSTRUMENT AIR STACKED.
MG12	LOCATION OF EXISTING CONTROL DESK.



1 SECOND FLOOR - MEDICAL GAS - AREA B - NEW WORK
3/16" = 1'-0"

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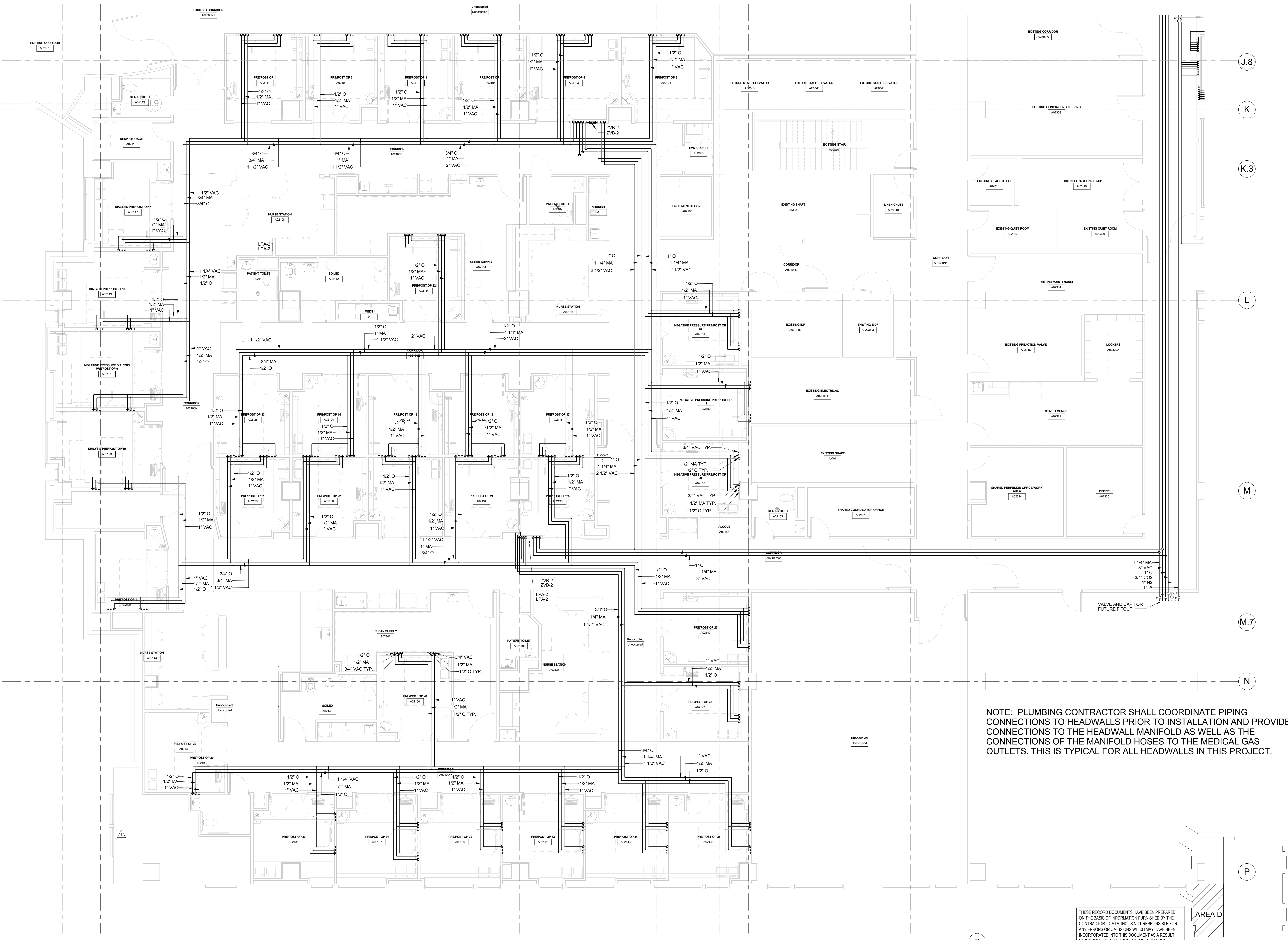


PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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SECOND FLOOR - AREA B - MED GAS - NEW WORK
MG1.21B

2.8 3 4 5 5.7 5.9 6 6.3 6.7



NOTE: PLUMBING CONTRACTOR SHALL COORDINATE PIPING CONNECTIONS TO HEADWALLS PRIOR TO INSTALLATION AND PROVIDE CONNECTIONS TO THE HEADWALL MANIFOLD AS WELL AS THE CONNECTIONS OF THE MANIFOLD HOSES TO THE MEDICAL GAS OUTLETS. THIS IS TYPICAL FOR ALL HEADWALLS IN THIS PROJECT.

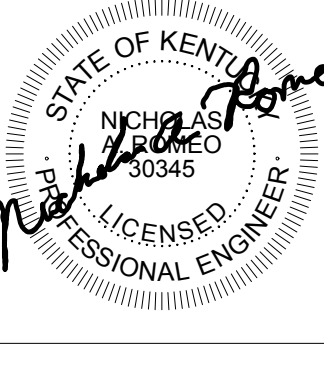
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KEYPLAN

411116
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SAS
23801

Date:
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Revisions:

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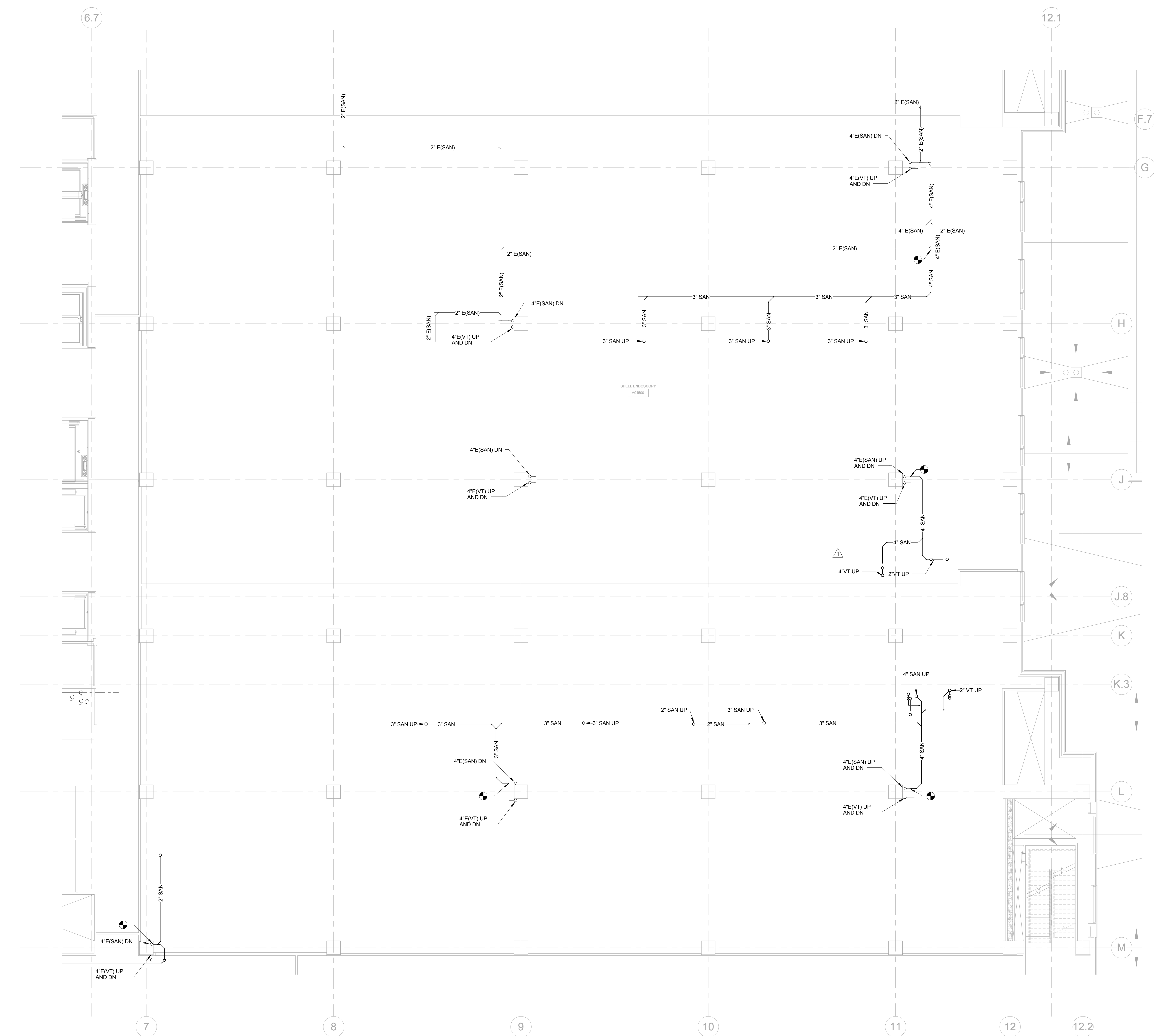
Revision Schedule	
1	16.09.2017

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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Architectural Firm
3131 East New York Street, Lexington, KY 40504
703.257.1111 | 607.473.2000 (fax)
www.artekna.com

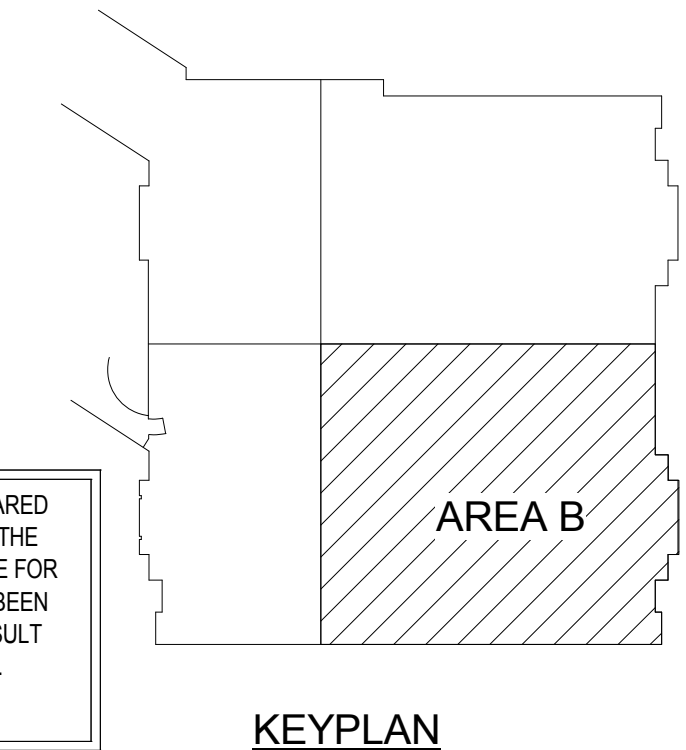
SECOND FLOOR - AREA D - MED GAS - NEW WORK
MG1.21D

1 SECOND FLOOR - MEDICAL GAS - AREA D - NEW WORK
3/16" = 1'-0"



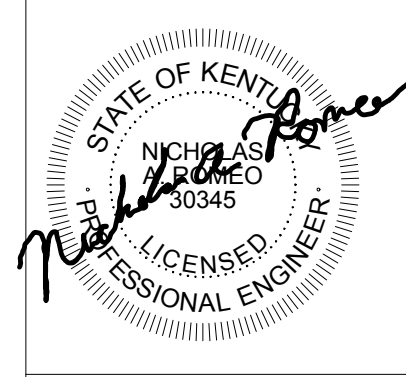
1 FIRST FLOOR - PLUMBING - AREA B - NEW WORK
1/8" = 1'-0"

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411116
1/8" = 1'-0"
NAR
2381

Date:
Scale:
Drawn by:
Project #:
Revisions:



Revision Schedule	
1	16/01/2017

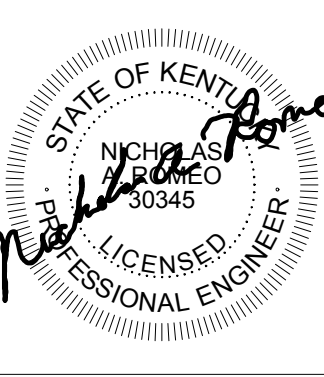
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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FIRST FLOOR - AREA B - PLUMBING - NEW WORK
P1.11B

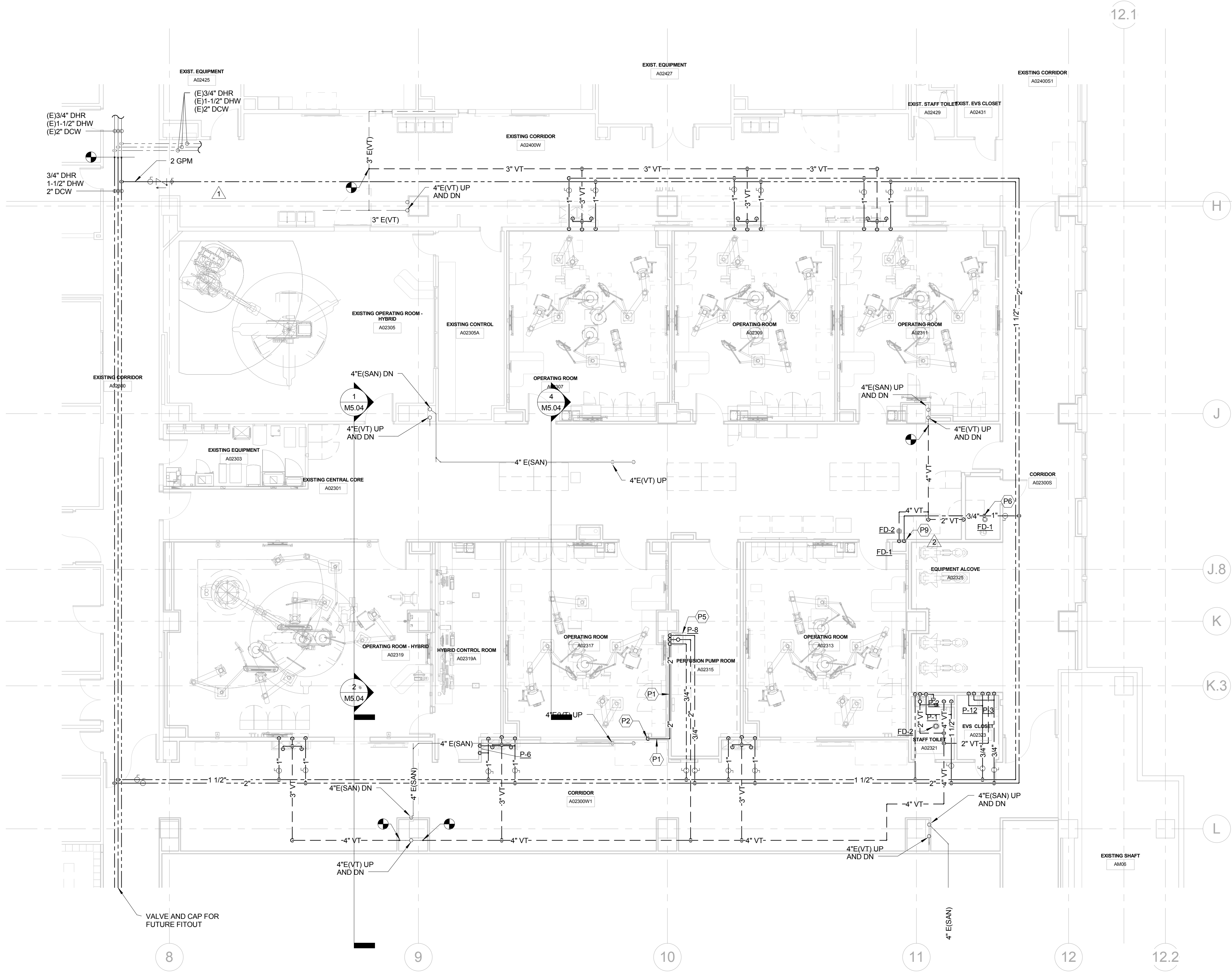
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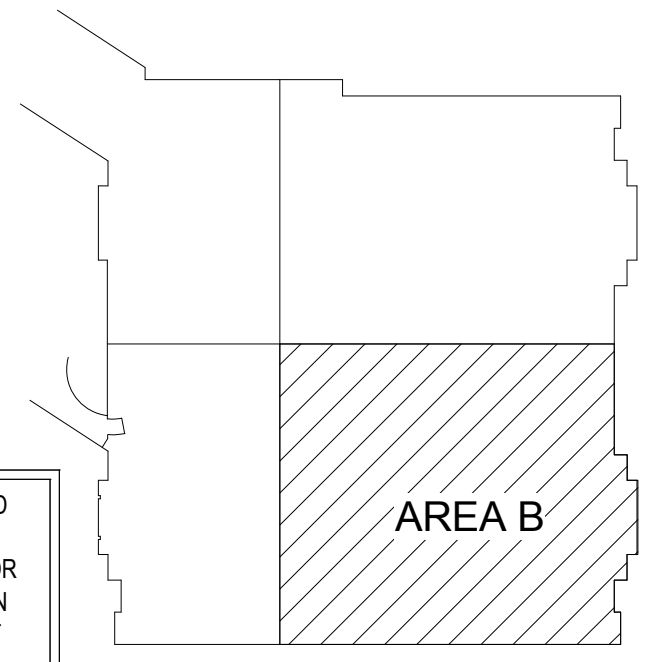
Revision	By	Date
1	AW	06/29/2017
2	AW	06/29/2017

TAGGED NOTES	
P1	WASTE PIPING IS RUN INSIDE WALL TO AVOID STRUCTURE BELOW. COORDINATE WITH ELECTRICAL AND MECHANICAL TRADES PRIOR TO INSTALLING PIPING TO COORDINATE THE LOCATION OF PIPING WITH OTHER WALL MOUNTED DEVICES.
P2	WASTE PIPING DROP DOWN TO BELOW SLAB CLEAR OF STRUCTURE BELOW.
P5	PROVIDE PENTAIR WATER FILTER RATED FOR 40 - 165 DEG. AND 30 - 125 PSI IN BOTH HOT AND COLD WATER SUPPLIES IN CASEWORK UNDER SINK.
P6	1" CW DOWN TO STERILIZER. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER AS REQUIRED. ROUTE AIR GAP DRAIN TO FLOOR DRAIN.
P9	PROVIDE WALL BOX WITH 1/2" CW SUPPLY WITH SHUT OFF TO ICEMAKER. PROVIDE BACKFLOW PREVENTER AS REQUIRED.



1 SECOND FLOOR - PLUMBING - AREA B - NEW WORK
1/8" = 1'-0"

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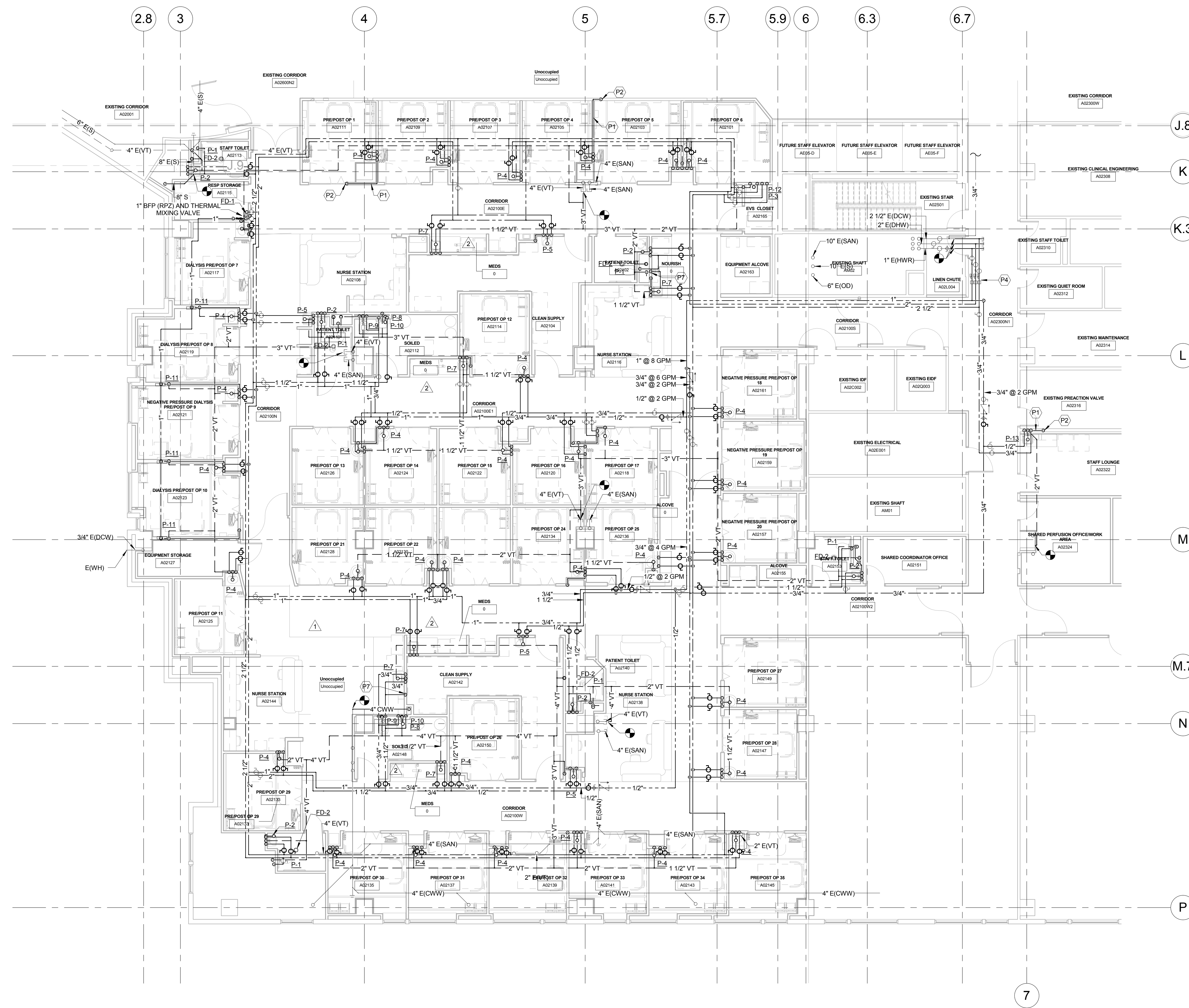


KEYPLAN

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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SECOND FLOOR - AREA B - PLUMBING - NEW WORK
P1.21B

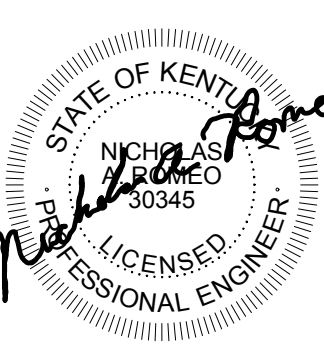


1 SECOND FLOOR - PLUMBING - AREA D - NEW WORK
1/8" = 1'-0"

TAGGED NOTES	
P1	WASTE PIPING IS RUN INSIDE WALL TO AVOID STRUCTURE BELOW. COORDINATE WITH ELECTRICAL AND MECHANICAL TRADES PRIOR TO INSTALLING PIPING TO COORDINATE THE LOCATION OF PIPING WITH OTHER WALL MOUNTED DEVICES.
P2	WASTE PIPING DROP DOWN TO BELOW SLAB CLEAR OF STRUCTURE BELOW.
P4	PROVIDE THERMOMETER AND PRESSURE SENSOR ON DOMESTIC HOT AND DOMESTIC HOT WATER RETURN. COORDINATE WITH CONTROLS CONTRACTOR FOR PRESSURE SENSOR REQUIREMENTS AND INSTALLATION.
P7	1 1/2" CW SUPPLY TO ICEMAKER. PROVIDE BACKFLOW PREVENTER AS REQUIRED.

411016
1/8" = 1'-0"
NAR
2/2018

DATE: 07/24/2018
SCALE: AS SHOWN
PROJECT #: 2402.7
REVISIONS:



Revision Schedule	
NO. 1	06/29/2017
NO. 2	06/29/2017
NO. 3	06/29/2017

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

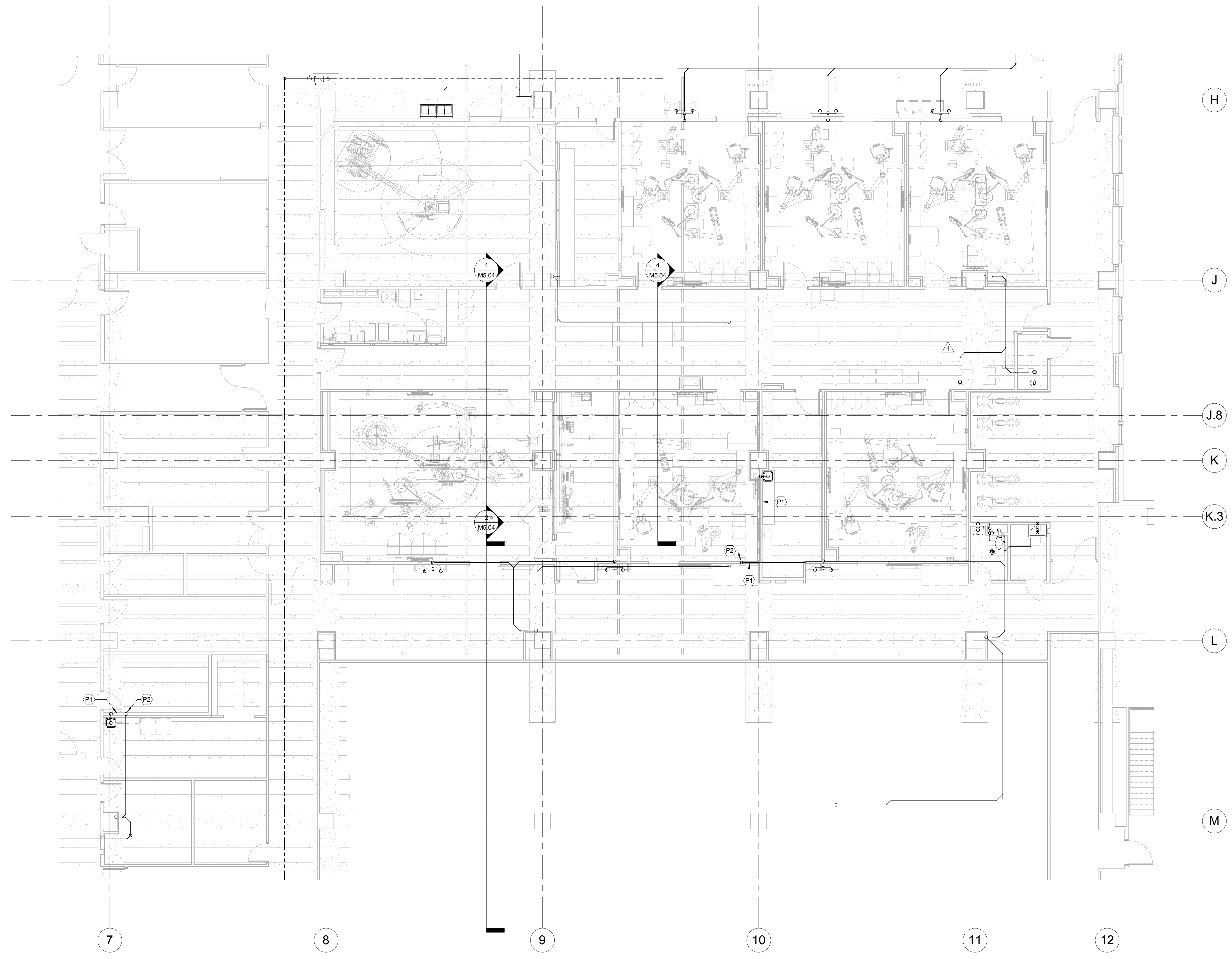
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SECOND FLOOR - AREA D - PLUMBING - NEW WORK
P1.21D

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RECORD DOCUMENTS DATE: 07/24/2018

GENERAL NOTES:
 1. THIS DRAWING IS FOR COORDINATING STRUCTURE WITH PIPES THAT PENETRATE THE FLOOR.
 THE EXISTING FLOOR FRAMING IS A CONCRETE PAN CONSTRUCTION.
 2. PIPES SHALL NOT PENETRATE STRUCTURAL CONCRETE BEAMS OR JOISTS.

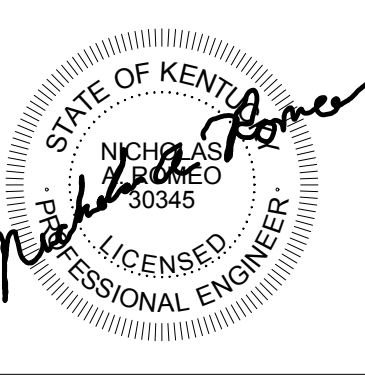
TAGGED NOTES	
P1	WASTE PIPING IS RUN INSIDE WALL TO AVOID STRUCTURE BELOW. COORDINATE WITH ELECTRICAL AND MECHANICAL TRADES PRIOR TO INSTALLING PIPING TO COORDINATE THE LOCATION OF PIPING WITH OTHER WALL MOUNTED DEVICES.
P2	WASTE PIPING DROP DOWN TO BELOW SLAB CLEAR OF STRUCTURE BELOW.



1 SECOND FLOOR - PLUMBING STRUCTURAL COORDINATION - AREA B - NEW WORK
 1/8" = 1'-0"

411118
 1/8" = 1'-0"
 SWS
 2/8/01

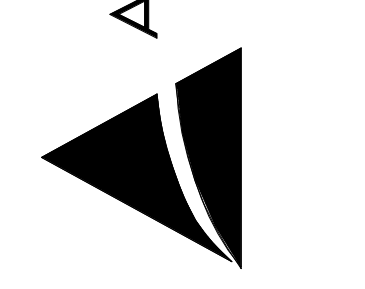
Date:
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 Drawn by:
 Project #:
 Revisions:



Revision Schedule	
1	1/20/20
2	1/20/20

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

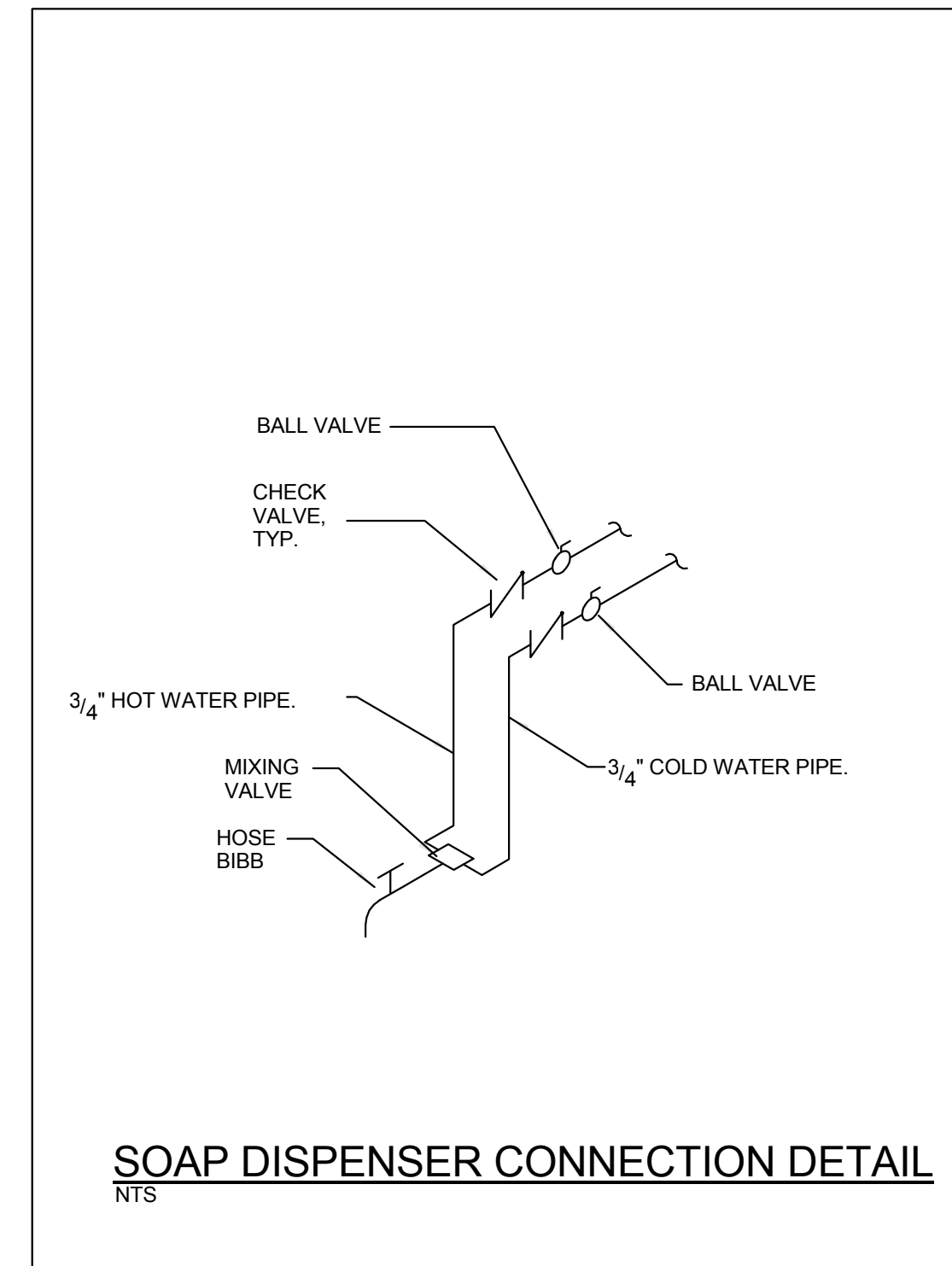
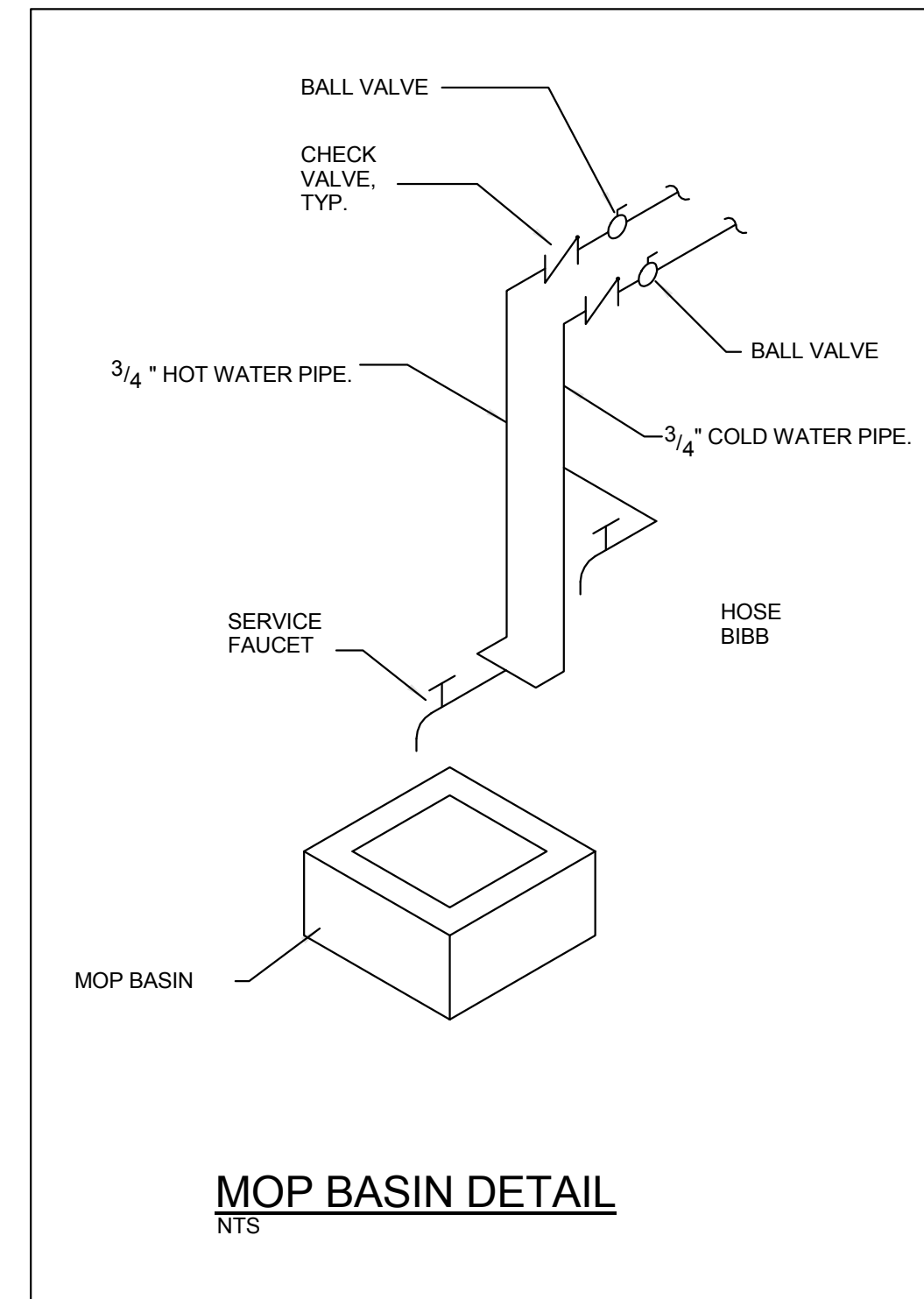
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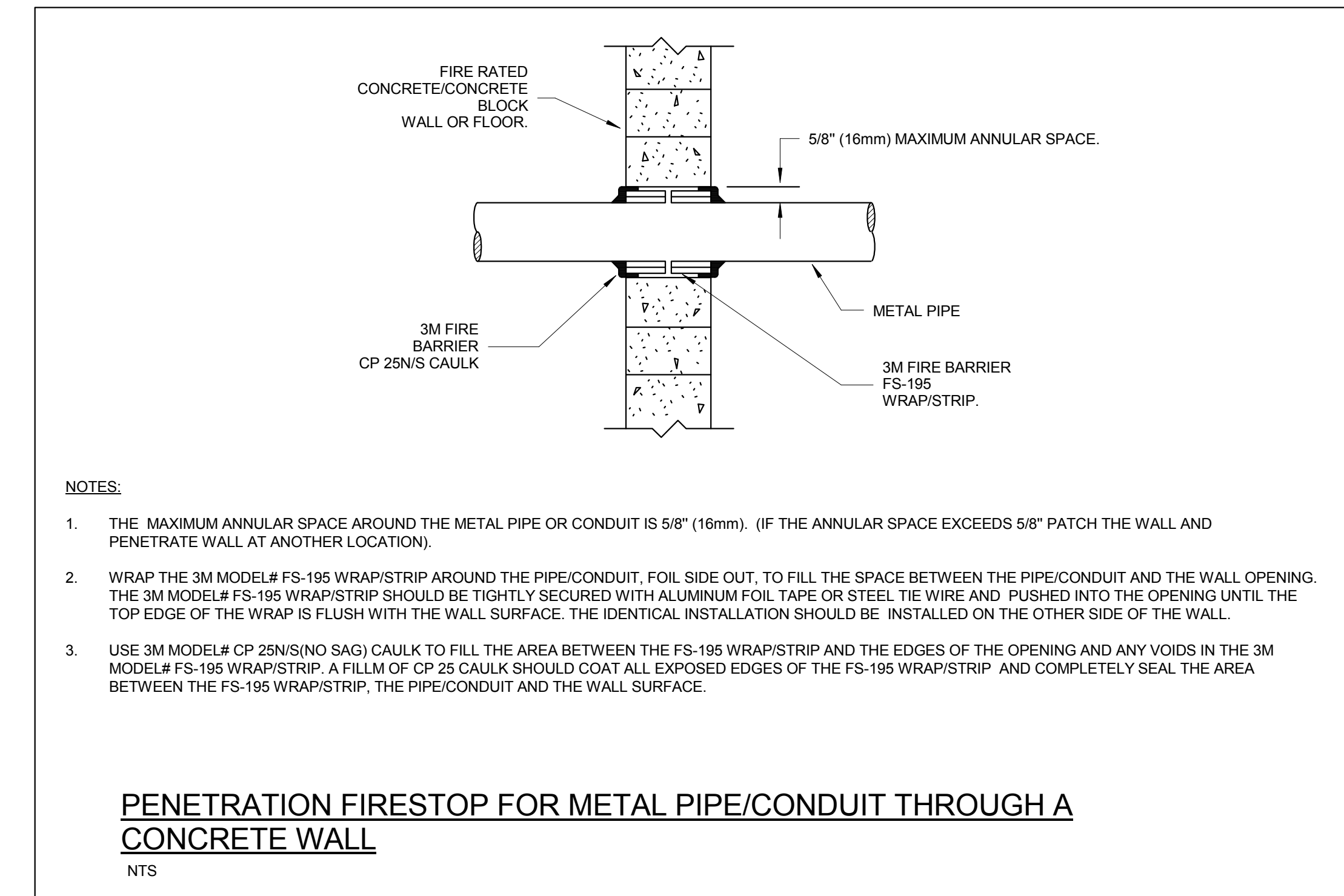
**PLUMBING
 STRUCTURAL
 COORDINATION
 - AREA B**

P2.1B

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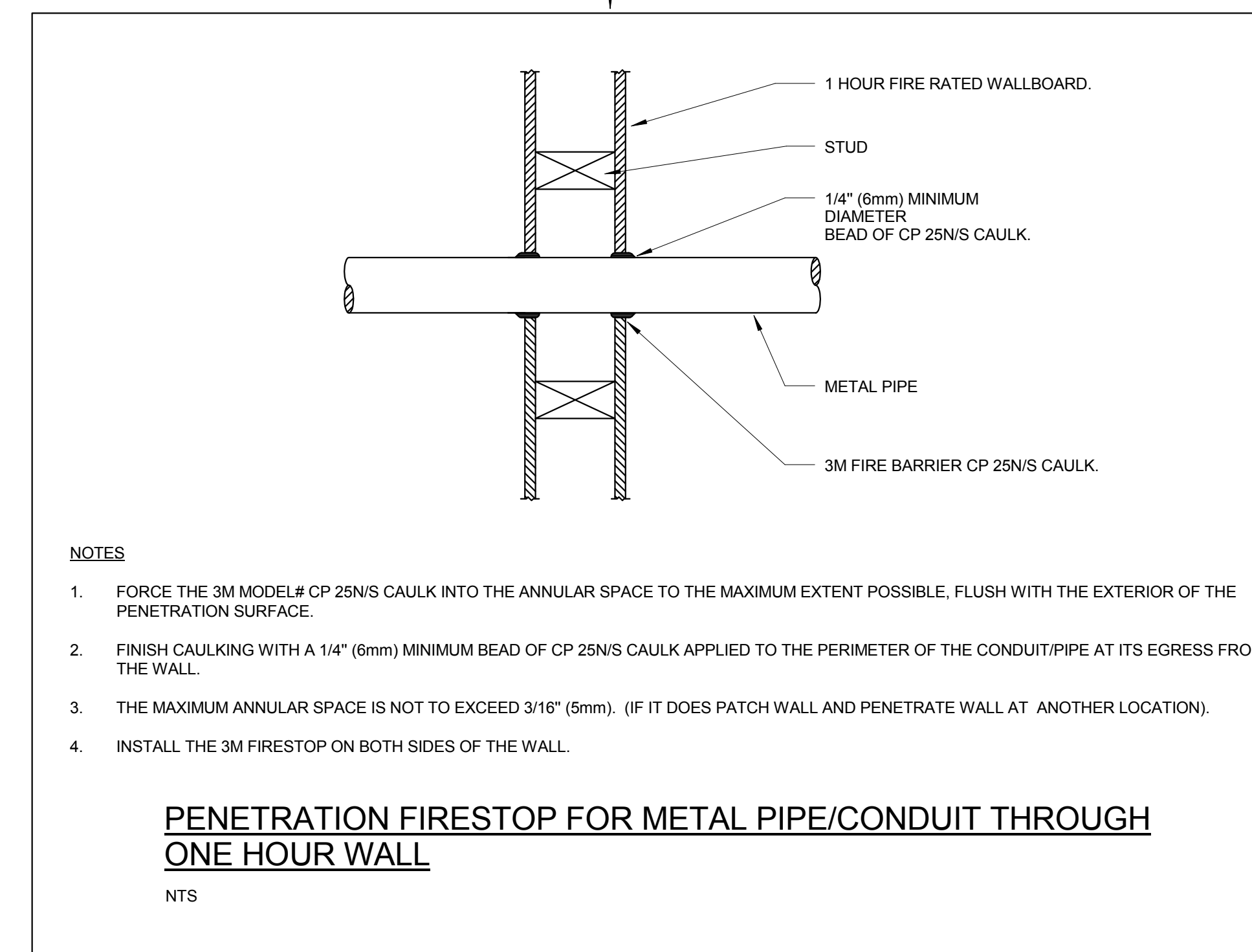


ACCEPTABLE MANUFACTURERS FOR PLUMBING FIXTURES, TRIM, AND EQUIPMENT			
WATER CLOSETS, LAVATORIES, URINALS AMERICAN STANDARD, KOHLER, CRANE, ZURN	MOP SINKS AND SERVICE SINKS FIAT PRODUCTS, AMERICAN STANDARD, ELJER, KOHLER, FLORESTONE, STERN-WILLIAMS	WASH FOUNTAINS BRADLEY, ACORN, WILLOUGHBY, INTERSAN	TRAP PRIMERS PPP, SIOUX CHIEF, ZURN
FAUCETS AND TRIM AMERICAN STANDARD, KOHLER, CHICAGO, DELTA, T&S BRASS COMMERCIAL, ZURN, JUST, SPEAKMAN, MOEN COMMERCIAL	FIXTURE CARRIERS ZURN, WADE, JOSAM, WATTS	EMERGENCY FIXTURES - EYEWASH, SHOWERS GUARDIAN, BRADLEY, SPEAKMAN	WATER HEATERS LOCHINVAR, AO SMITH, BRADFORD WHITE, STATE, PVI
FLUSH VALVES AMERICAN STANDARD, SLOAN, ZURN, DELANEY	STAINLESS STEEL SINKS ELKAY, JUST, MOEN, STERLING	P-TRAP INSULATION KIT (TRAP WRAP) TRUEBRO, BROCAR, PLUMBEREX	TEMPERING VALVES LEONARD, LAWLER, BRADLEY, SYMMONS
FIXTURE SEATS BEMIS, CHURCH, OLSONITE	SHOWER STALLS CLARION, UNIVERSAL-RUNDLE, AQUA-BATH, AQUA-GLASS, AQUARIUS	FLOOR DRAINS ZURN, WADE, JOSAM	EXPANSION TANKS AMTROL, WATTS, BELL & GOSSETT
ELECTRIC WATER COOLERS ELKAY, HALSEY TAILOR, HAWS, OASIS	WASHER BOX GUY GRAY, WOLVERINE, OATEY	WALL HYDRANTS AND HOSE BIBBS ZURN, WOODFORD, WATTS	SHOWER VALVES LEONARD, LAWLER, BRADLEY, POWERS

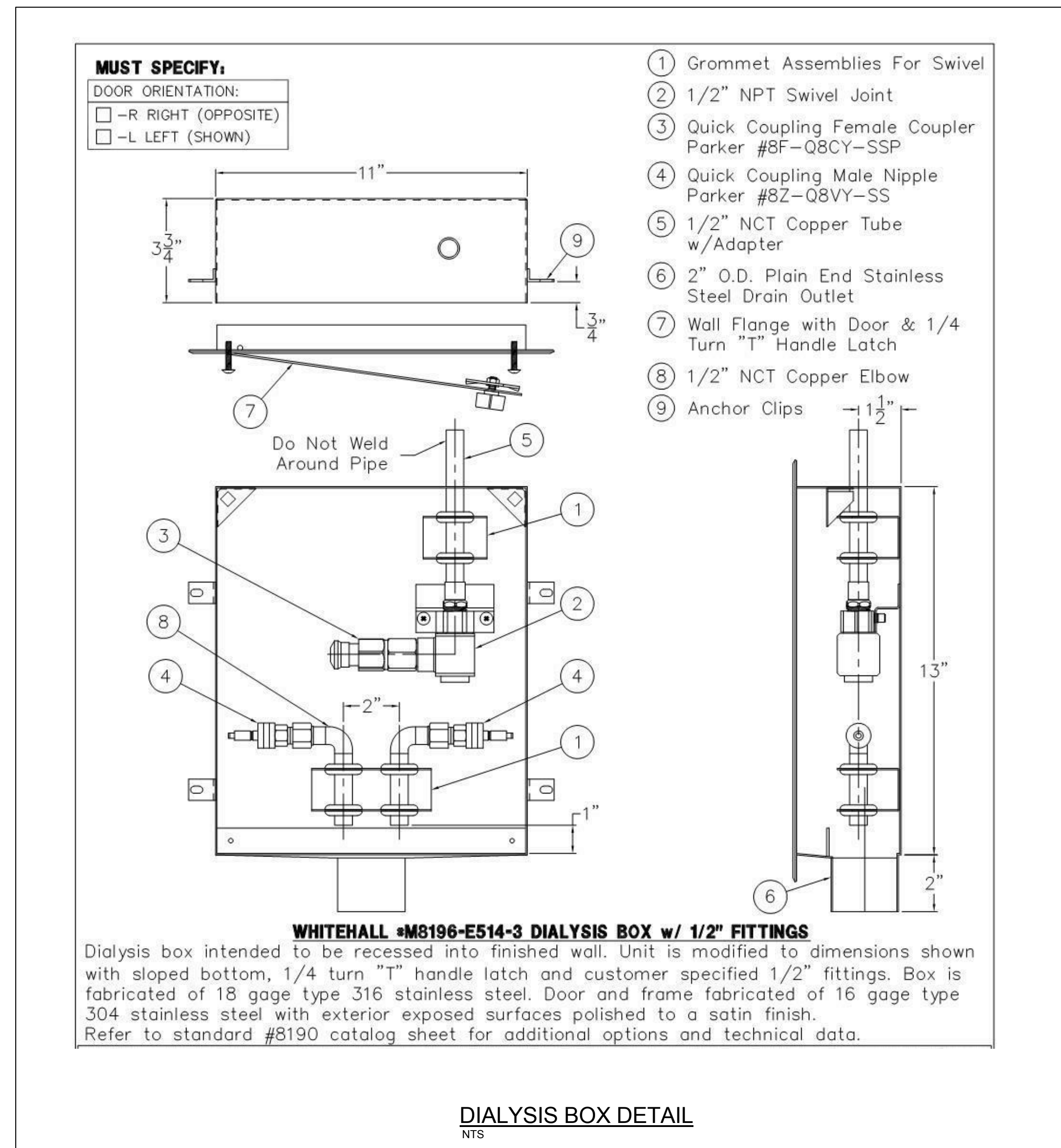


- NOTES:**
- THE MAXIMUM ANNULAR SPACE AROUND THE METAL PIPE OR CONDUIT IS 5/8" (16mm). (IF THE ANNULAR SPACE EXCEEDS 5/8" PATCH THE WALL AND PENETRATE WALL AT ANOTHER LOCATION).
 - WRAP THE 3M MODEL# FS-195 WRAP/STRIP AROUND THE PIPE/CONDUIT, FOIL SIDE OUT, TO FILL THE SPACE BETWEEN THE PIPE/CONDUIT AND THE WALL OPENING. THE 3M MODEL# FS-195 WRAP/STRIP SHOULD BE TIGHTLY SECURED WITH ALUMINUM FOIL TAPE OR STEEL TIE WIRE AND PUSHED INTO THE OPENING UNTIL THE TOP EDGE OF THE WRAP IS FLUSH WITH THE WALL SURFACE. THE IDENTICAL INSTALLATION SHOULD BE INSTALLED ON THE OTHER SIDE OF THE WALL.
 - USE 3M MODEL# CP 25NS(SINO SAG) CAULK TO FILL THE AREA BETWEEN THE FS-195 WRAP/STRIP AND THE EDGES OF THE OPENING AND ANY VOIDS IN THE 3M MODEL# FS-195 WRAP/STRIP. A FILM OF CP 25 CAULK SHOULD COAT ALL EXPOSED EDGES OF THE FS-195 WRAP/STRIP AND COMPLETELY SEAL THE AREA BETWEEN THE FS-195 WRAP/STRIP, THE PIPE/CONDUIT AND THE WALL SURFACE.

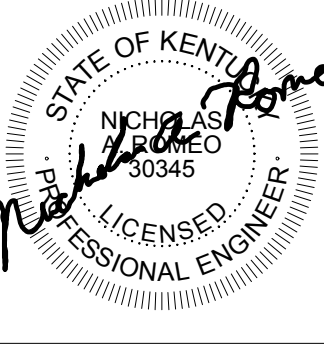
- FIRE STOPPING NOTES:**
- FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRESTOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS. ALL FLOORS CORRIDOR WALLS, STAIR WALLS, MECHANICAL ROOM WALLS, STORAGE ROOM WALLS AND OTHER HAZARDOUS ROOM WALLS ARE ONE HOUR RATED.
 - A FOUR-HOUR TRAINING SESSION SHALL BE CONDUCTED BY MANUFACTURER OF THE FIRESTOPPING MATERIAL. THIS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE MATERIAL. CONTACT HOSPITAL ENGINEER AND CMTA TO ADVISE OF DATE AND TIME OF THIS MEETING.
 - ALL PENETRATIONS WILL BE REVIEWED BY THE HOSPITAL ENGINEER OR CMTA. PRIOR TO INSPECTION, ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.



- NOTES:**
- FORCE THE 3M MODEL# CP 25NS CAULK INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE, FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
 - FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25NS CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
 - THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm). (IF IT DOES PATCH WALL AND PENETRATE WALL AT ANOTHER LOCATION).
 - INSTALL THE 3M FIRESTOP ON BOTH SIDES OF THE WALL.

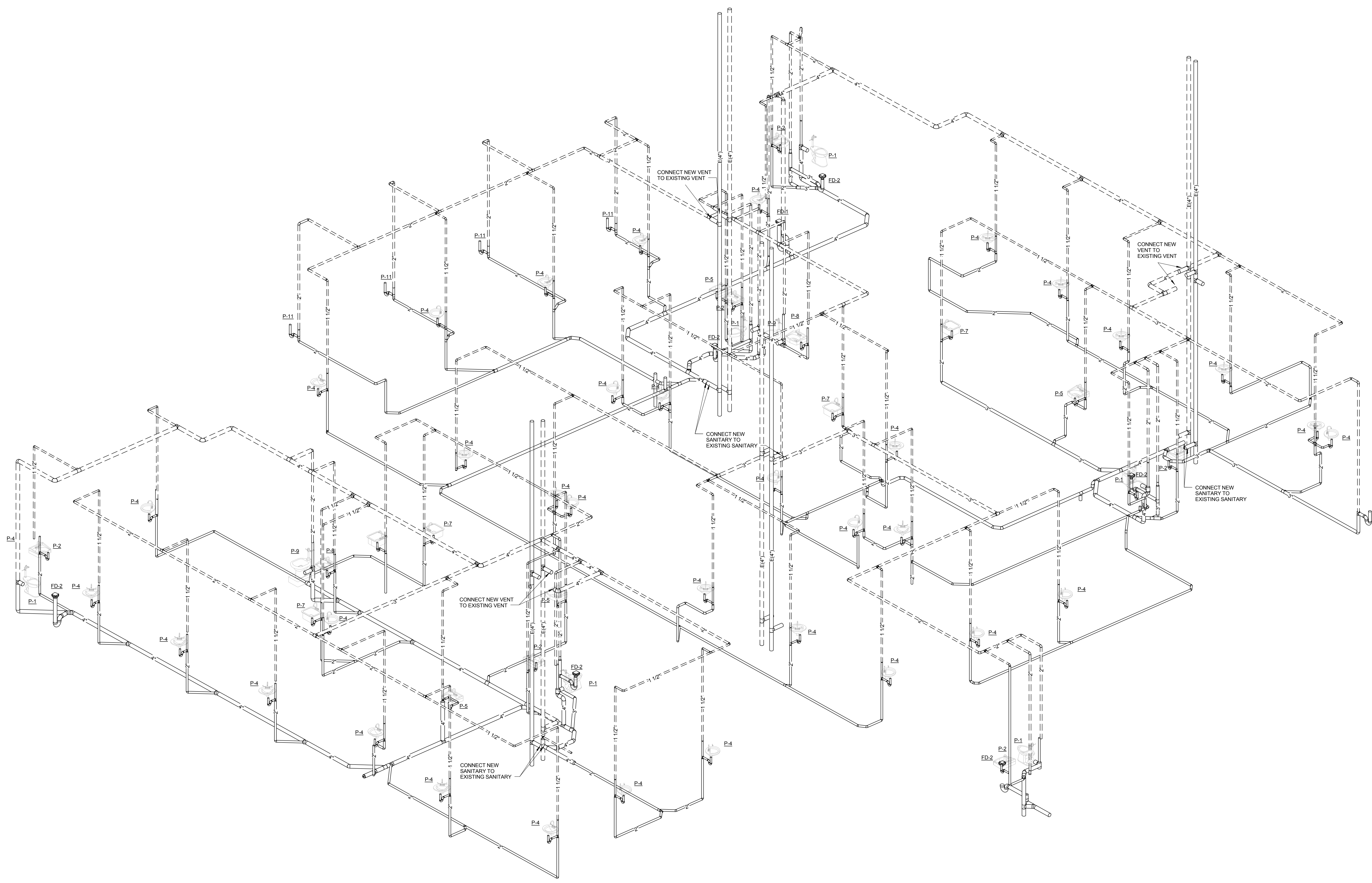


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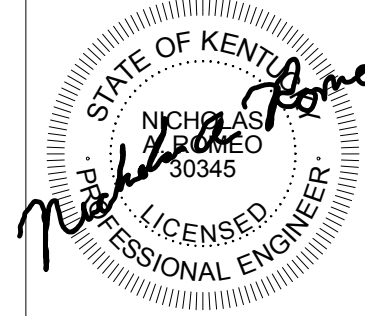
1 AREA "D" SANITARY ISOMETRIC

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411116
 5/4/5
 2/28/1

Date:
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 Drawn by:
 Project #:
 Revisions:

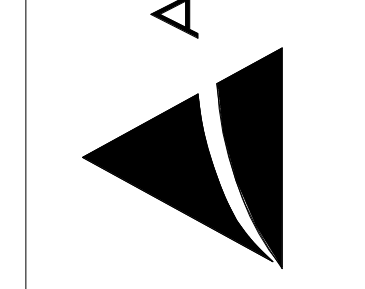
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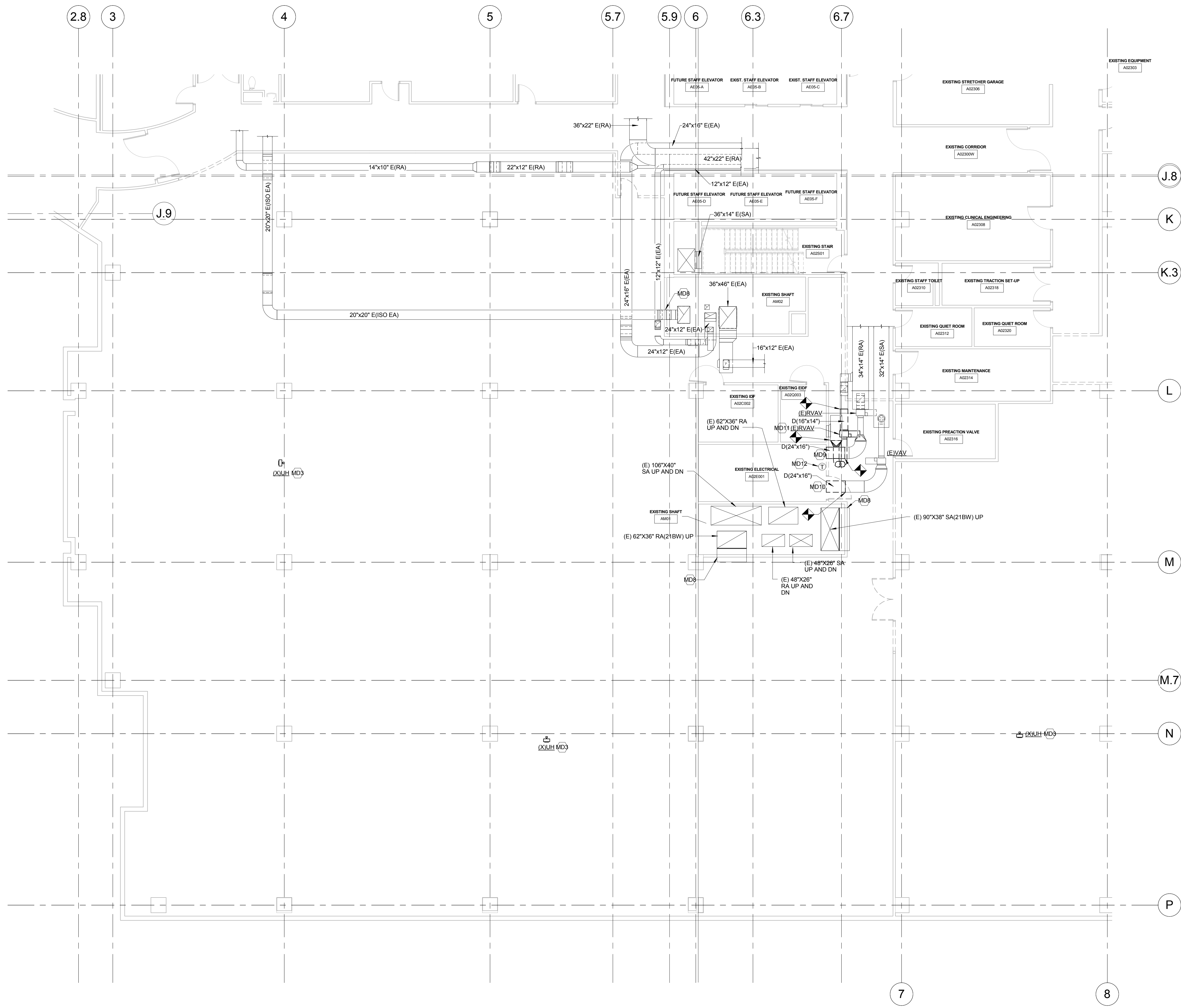
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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 816.333.7000 Fax: 816.333.7001
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PLUMBING RISERS

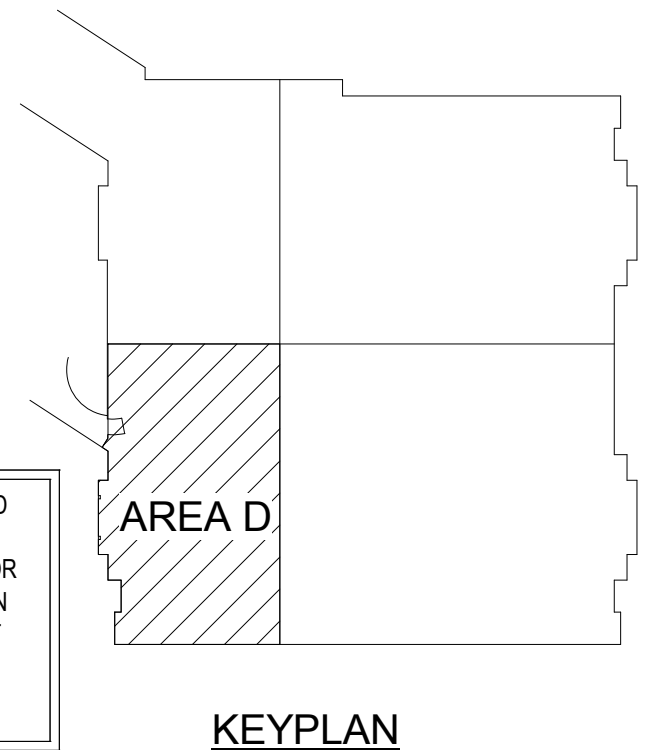
P5.01



TAGGED NOTES	
MD2	DEMOLISH AND REMOVE RETURN DUCTWORK BACK TO POINTS INDICATED, INCLUDING ASSOCIATED RETURN VAV BOX, CONTROLS, HANGERS, SUPPORTS, RETURN GRILLE AND ALL OTHER APPURTENANCES.
MD3	DEMOLISH AND REMOVE PROPELLER UNIT HEATER, INCLUDING ALL HANGERS AND SUPPORTS, CONTROLS AND ALL OTHER APPURTENANCES. UNIT HEATER AND ASSOCIATED CONTROLS SHALL BE TURNED OVER TO OWNER.
MD8	DEMOLISH AND REMOVE DUCT SMOKE DETECTOR AND INTERNAL GUTS OF SMOKE/FIRE DAMPER, COMPLETELY COVER DUCT STUB WITH 2-HR FIRE RATED WRAP.
MD9	REMOVE AND CLEAN RETURN GRILLE. DEMOLISH RETURN DUCTWORK BACK TO POINTS INDICATED, INCLUDING HANGERS AND ALL OTHER APPURTENANCES. PREPARE TO INSTALL RETURN GRILLE IN NEW LOCATION. REFER TO NEW WORK PLAN.
MD10	REMOVE AND CLEAN SUPPLY DIFFUSER. DEMOLISH SUPPLY DUCTWORK BACK TO POINTS INDICATED, INCLUDING HANGERS AND ALL OTHER APPURTENANCES. PREPARE TO INSTALL RETURN GRILLE IN NEW LOCATION. REFER TO NEW WORK PLAN.
MD11	DISCONNECT AND RELOCATE RETURN AIR VAV AIR TERMINAL. REFER TO NEW WORK PLAN FOR NEW LOCATION. DEMOLISH RETURN AIR DUCTWORK TO POINTS INDICATED, INCLUDING HANGERS AND ALL OTHER APPURTENANCES.
MD12	REMOVE AND RELOCATE SPACE TEMPERATURE SENSOR. REFER TO NEW WORK FOR NEW LOCATION.

1 SECOND FLOOR - MECHANICAL - DUCTWORK - AREA D - DEMO
1/8" = 1'-0"

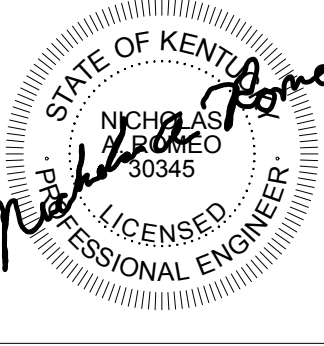
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RECORD DOCUMENTS DATE: 07/24/2018



411018
1/8" = 1'-0"
NAR
23801

Date:
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Revisions:

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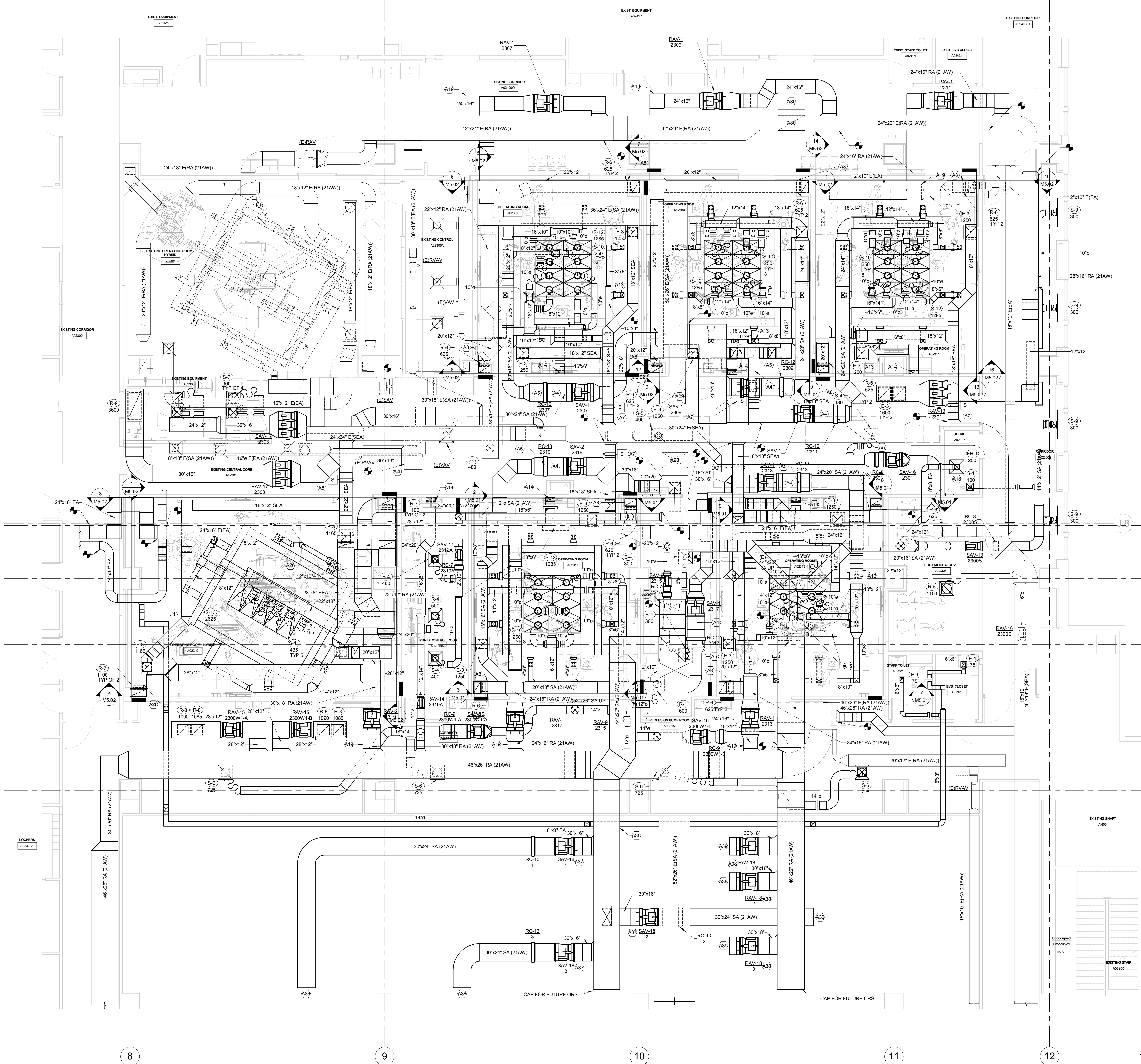


Revision Schedule

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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The Art and Science of Innovation
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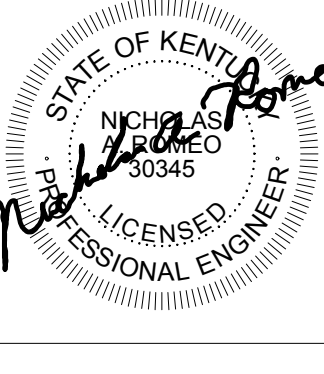
SECOND FLOOR PLAN - AREA D - DUCTWORK - DEMOLITION M1.21D



TAGGED NOTES	
A4	INSTALL STACKED SOUND ATTENUATORS DIRECTLY DOWNSTREAM OF SUPPLY AIR VALVE.
A5	INSTALL HEATING HOT WATER COIL DIRECTLY DOWNSTREAM OF SOUND ATTENUATORS. INSTALL COIL DUCT ACCESS DOORS ON BOTH SIDES OF HEATING COIL.
A6	INSTALL 22x22 SMOKE DAMPER IN SMOKE EXHAUST DUCTWORK.
A7	INSTALL 18x18 SMOKE DAMPER IN SMOKE EXHAUST DUCTWORK.
A8	INSTALL (2) 14x14 RETURN GRILLES ON WALL SERVING OR (1) SHALL BE INSTALLED AT 12" ABOVE FINISHED FLOOR AND (1) SHALL BE INSTALLED 12" BELOW CEILING. EACH GRILLE SHALL HAVE AN INTEGRAL OPPOSED BLADE VOLUME DAMPER AND SHALL BE BALANCED TO 625 CFM EACH. 20x12 RETURN AIR DUCT DOWN RETURN CHASE. TRANSITION TO 10x10 AFTER TOP RETURN GRILLE.
A13	8"x6" SUPPLY AIR DROP DOWN TO AIR CURTAINS 12"x6" CONNECTION. TYPICAL OF 8.
A14	16"x6" FLANGELESS RETURN DUCTWORK DOWN TO TOP OF AVY CABINET. BALANCE. BRANCH TO 400 CFM.
A15	EXISTING 46"x26" RETURN AIR DUCTWORK UP.
A18	STERILIZER EXHAUST HOOD. REFER TO DETAIL ON DRAWING M7.03. BALANCE TO 200 CFM. BRANCH DUCT WORK SHALL BE ALUMINUM BACK TO MAIN.
A19	MC SHALL INSTALL EC-FURNISHED DUCT SMOKE DETECTOR. REFER TO ELECTRICAL DRAWING E1.28.B FOR QUANTITIES.
A26	12"x8" SUPPLY AIR DROP DOWN TO AIR CURTAINS 12"x6" CONNECTION. TYPICAL OF 8.
A28	INSTALL (2) 18x18 RETURN GRILLES ON WALL SERVING OR (1) SHALL BE INSTALLED AT 12" ABOVE FINISHED FLOOR AND (1) SHALL BE INSTALLED 12" BELOW CEILING. EACH GRILLE SHALL HAVE AN INTEGRAL OPPOSED BLADE VOLUME DAMPER AND SHALL BE BALANCED TO 1100 CFM EACH. 28x12 RETURN AIR DUCT DOWN RETURN CHASE. TRANSITION TO 10x10 AFTER TOP RETURN GRILLE.
A29	EXISTING 44"x26" SUPPLY AIR UP.
A30	EXISTING 46"x26" RETURN AIR UP.
A35	INSTALL SUPPLY DUCT STATIC PRESSURE SENSOR AT THIS LOCATION.
A36	COVER SUPPLY DUCT OPENING WITH BIRDSCREEN ON A REMOVABLE FRAME.
A37	SUPPLY AIR VALVE WILL BE RELOCATED DURING FUTURE OR FITOUT. UNDER THIS PROJECT IT SHALL DISCHARGE AIR INTO SHELL SPACE.
A38	RETURN AIR VALVE WILL BE RELOCATED DURING FUTURE OR FITOUT. UNDER THIS PROJECT IT SHALL RETURN AIR FROM SHELL SPACE.
A39	COVER 30"x18" RETURN DUCT OPENING WITH BIRDSCREEN ON A REMOVABLE FRAME. COVER WITH MEDIA FILTER.

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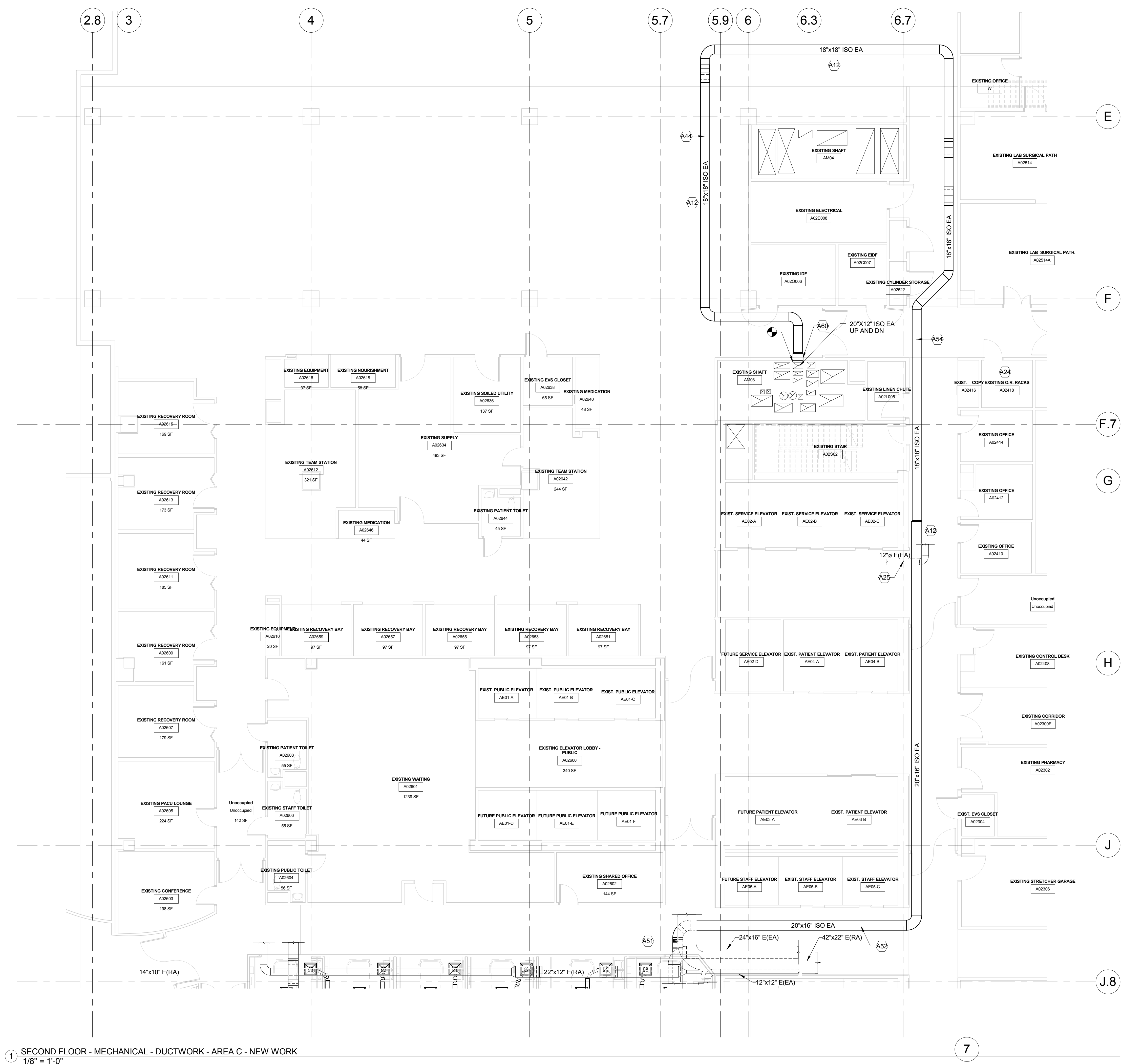
PAVILION A - SURGERY PHASE 1-3A
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UNIVERSITY OF KENTUCKY
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SECOND FLOOR PLAN - AREA B - DUCTWORK - NEW WORK
M1.22B

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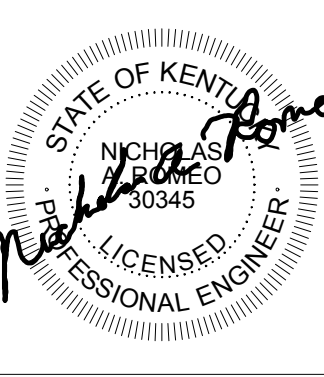


1 SECOND FLOOR - MECHANICAL - DUCTWORK - AREA C - NEW WORK
1/8" = 1'-0"

TAGGED NOTES	
A12	MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REINSTALL CEILING TILES, LIGHT FIXTURES, SPEAKERS, WIRELESS ACCESS POINTS AND GRID IN ORDER TO COMPLETE WORK. REPLACE ANY DAMAGED OR STAINED CEILING TILE WITH LIKE.
A24	REPROGRAM EXISTING PAIRED SUPPLY AND RETURN VAV BOXES (AT-2418 & RT2418) TO HAVE A 100 CFM POSITIVE PRESSURE OFFSET. ROOM SHALL ALWAYS HAVE 100 CFM MORE SUPPLY AIR THAN RETURN AIR.
A25	RELOCATE AND RAISE EXISTING 12" ROUND DUCT.
A44	DUCT TIGHT TO STRUCTURE ABOVE.
A51	MODIFY HANGER FOR CABLE TRAY FOR 20"X 16" ISO EXHAUST DUCT ROUTING.
A52	20"X16" ISO EXHAUST DUCT ABOVE 10' ROUND SUPPLY AIR DUCT. RESUPPORT 10" ROUND SUPPLY AIR DUCT AT THREE LOCATIONS.
A54	RELOCATE (1) CONTROL CONDUIT AND (1) ELECTRICAL POWER CONDUIT THAT SERVES FROM PANEL ZCLPC1 CIRCUITS 19 & 21.
A60	PROVIDE AND INSTALL 1-1/2 HOUR FIRE DAMPER AT SHAFT WALL.

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1/8" = 1'-0"
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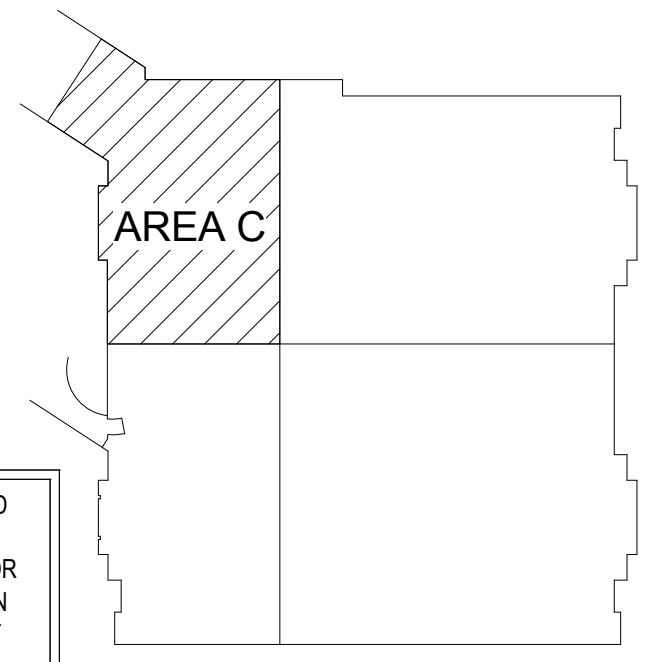
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Revision Schedule

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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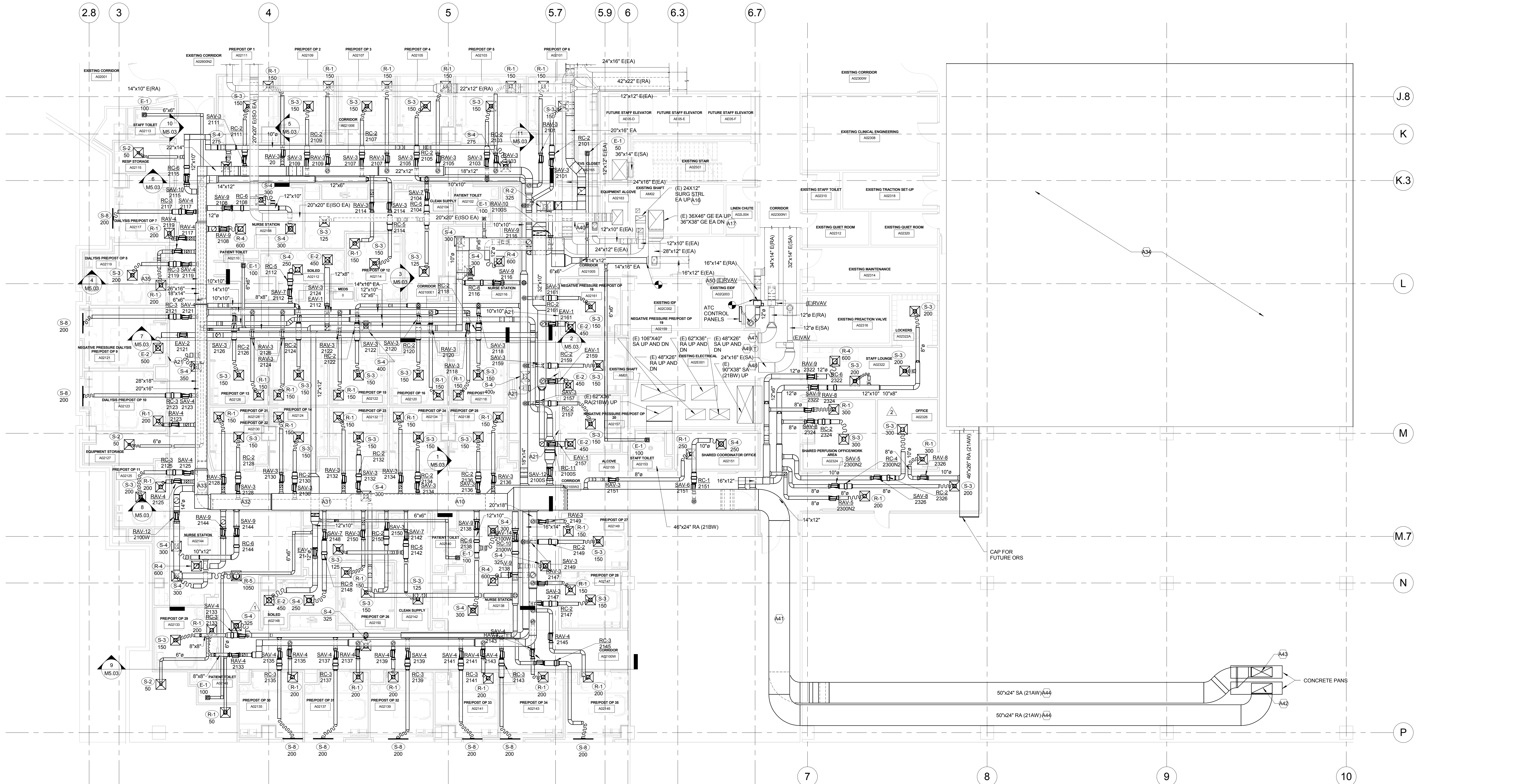
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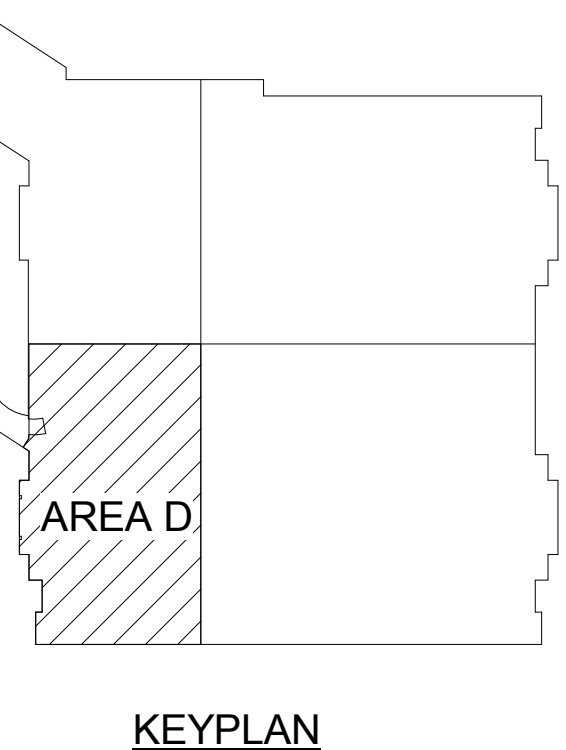
SECOND FLOOR PLAN - AREA C - DUCTWORK - NEW WORK M1.22C

TAGGED NOTES	
A4	INSTALL STACKED SOUND ATTENUATORS DIRECTLY DOWNSTREAM OF SUPPLY AIR VALVE.
A6	INSTALL 22x22 SMOKE DAMPER IN SMOKE EXHAUST DUCTWORK.
A7	INSTALL 18x18 SMOKE DAMPER IN SMOKE EXHAUST DUCTWORK.
A10	32"x24" RA (21BW) ABOVE, 28"x24" SA (21BW) BELOW
A16	RECORD PRE-CONSTRUCTION AIRFLOW ON SURGICAL STERILIZER EXHAUST FAN (EF-SS-01). RE-BALANCE EXISTING EXHAUST FAN TO PRE-CONSTRUCTION AIRFLOW PLUS 200 CFM. REPLACE DRIVE PACKAGE ACCORDINGLY.
A17	RECORD PRE-CONSTRUCTION AIRFLOW ON GENERAL EXHAUST FAN (EF-GE-01). RE-BALANCE EXISTING EXHAUST FAN TO PRE-CONSTRUCTION AIRFLOW PLUS 1,700 CFM. REPLACE DRIVE PACKAGE ACCORDINGLY.
A21	PROVIDE AND INSTALL ROOM PRESSURE MONITOR AT THIS LOCATION. PRESSURE MONITOR SHALL MEASURE PRESSURE ACROSS NEGATIVE PRESSURE ROOM AND ADJACENT CORRIDOR.
A31	32"x24" RA (21BW) ABOVE, 22"x20" SA (21BW) BELOW
A32	32"x22" RA (21BW) ABOVE, 22"x20" SA (21BW) BELOW
A33	28"x22" RA (21BW) ABOVE, 22"x20" SA (21BW) BELOW
A34	REFER TO DRAWING M1.22B FOR NEW WORK IN THIS AREA.
A35	INSTALL SUPPLY DUCT STATIC PRESSURE SENSOR AT THIS LOCATION.
A40	INSTALL 1-1/2 HR FIRE DAMPER AT THIS LOCATION. WRAP EXHAUST DUCT WITH 2 HR RATED FIRE WRAP FROM FIRE DAMPER TO SHAFT WALL.
A41	50"x24" RA ABOVE, 50"x24 SA BELOW
A42	50x24" RA UP CENTERED AND BETWEEN CONCRETE SUPPORT JOIST. PROVIDE AND INSTALL 1-1/2" HOUR FIRE DAMPER AT 3RD FLOOR MECHANICAL ROOM'S FLOOR. REFER TO DETAIL.
A43	50x24" SA UP CENTERED AND BETWEEN CONCRETE SUPPORT JOIST. PROVIDE AND INSTALL 1-1/2" HOUR FIRE DAMPER AT 3RD FLOOR MECHANICAL ROOM'S FLOOR. REFER TO DETAIL.
A44	DUCT TIGHT TO STRUCTURE ABOVE.
A47	RELOCATE EXISTING RETURN GRILLE TO NEW WALL. RECONNECT RETURN DUCT TO RETURN GRILLE. RE-BALANCE TO 1,560 CFM.
A48	RELOCATE EXISTING SUPPLY DIFFUSER TO NEW WALL. RECONNECT SUPPLY DUCT TO SUPPLY DIFFUSER. RE-BALANCE TO 1,560 CFM.
A49	RELOCATE TEMPERATURE SENSOR TO NEW WALL. EXTEND CONTROL WIRING TO NEW LOCATION.
A50	RELOCATE RETURN VAV AIR TERMINAL. EXTEND ALL POWER AND CONTROL WIRING TO NEW LOCATION. RECONNECT INTO EIDF A02Q003 RETURN PLENUM AND EXISTING 16X14 RETURN DUCT. RE-BALANCE RETURN VAV AIR TERMINAL TO 940 CFM.



1 SECOND FLOOR - MECHANICAL - DUCTWORK - AREA D - NEW WORK
1/8" = 1'-0"

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1/8" = 1'-0"
Author
2/20/18

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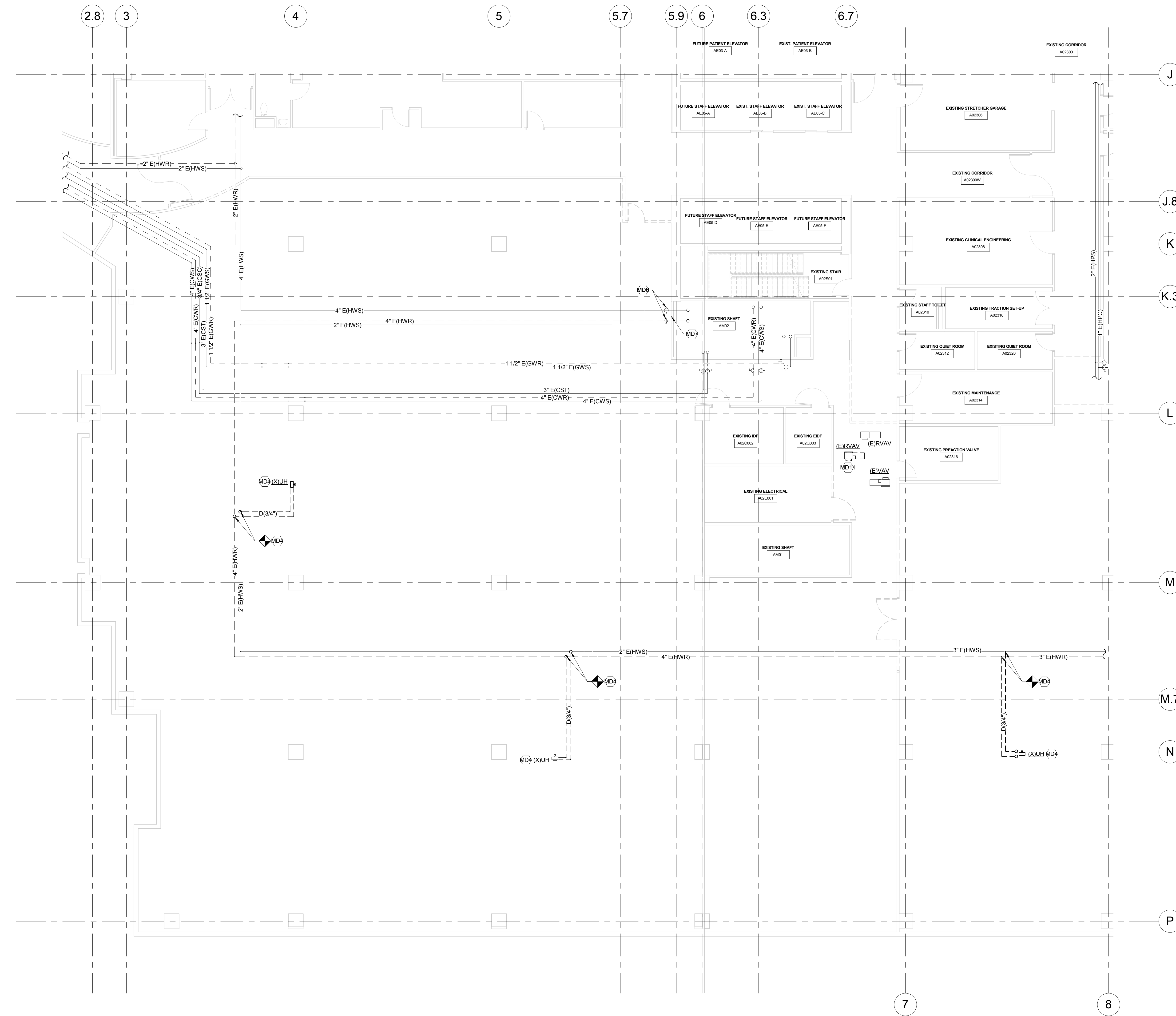
Revision Schedule

NO. 1	DATE	DESCRIPTION
1	06/29/2017	ISSUED FOR PERMITS
2	07/20/2018	ISSUED FOR CONSTRUCTION

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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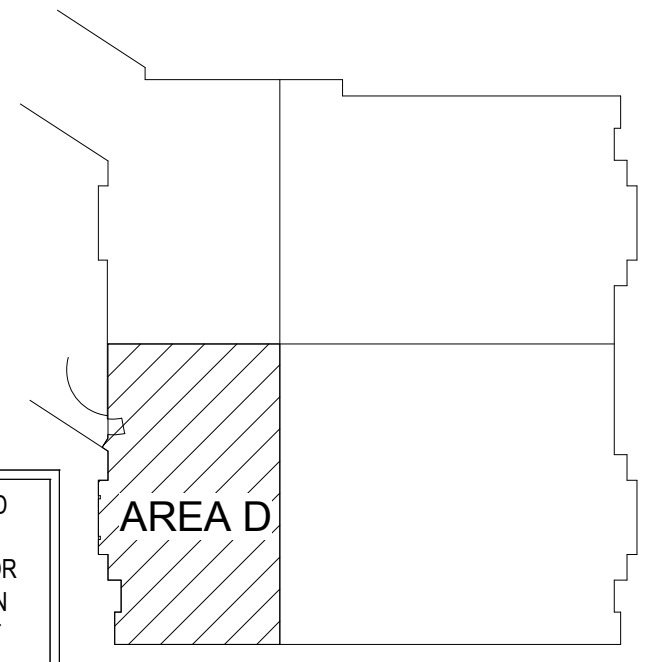
SECOND FLOOR PLAN - AREA D - DUCTWORK - NEW WORK
M1.22D



TAGGED NOTES	
MD4	DEMOLISH AND REMOVE PROPELLER UNIT HEATER, INCLUDING ALL ASSOCIATED HOT WATER PIPING TO POINTS INDICATED. PIPING SPECIALTIES, HANGERS AND SUPPORTS, CONTROLS AND ALL OTHER APPURTENANCES.
MD6	ABANDON HEATING HOT WATER'S ISOLATION AND BALANCING VALVES. BOTH VALVES SHALL BE SET TO FULL OPEN AFTER NEW ISOLATION AND BALANCING VALVES ARE INSTALLED. REFER TO NEW WORK PLAN.
MD7	RELOCATE HEATING HOT WATER DIFFERENTIAL PRESSURE SENSOR OUT FROM BEHIND THE EXISTING CABLE TRAY. PROVIDE ADEQUATE SERVICE CLEARANCE TO SENSOR.
MD11	DISCONNECT AND RELOCATE RETURN AIR VAV AIR TERMINAL. REFER TO NEW WORK PLAN FOR NEW LOCATION. DEMOLISH RETURN AIR DUCTWORK TO POINTS INDICATED, INCLUDING HANGERS AND ALL OTHER APPURTENANCES.

1 SECOND FLOOR - HYDRONICS - DEMOLITION - AREA D
1/8" = 1'-0"

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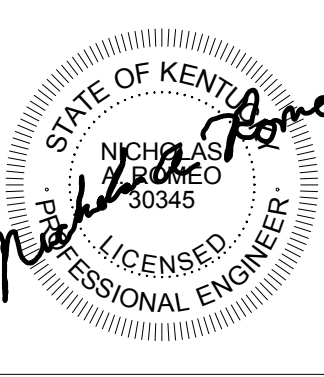


KEYPLAN

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1/8" = 1'-0"
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2/20/11

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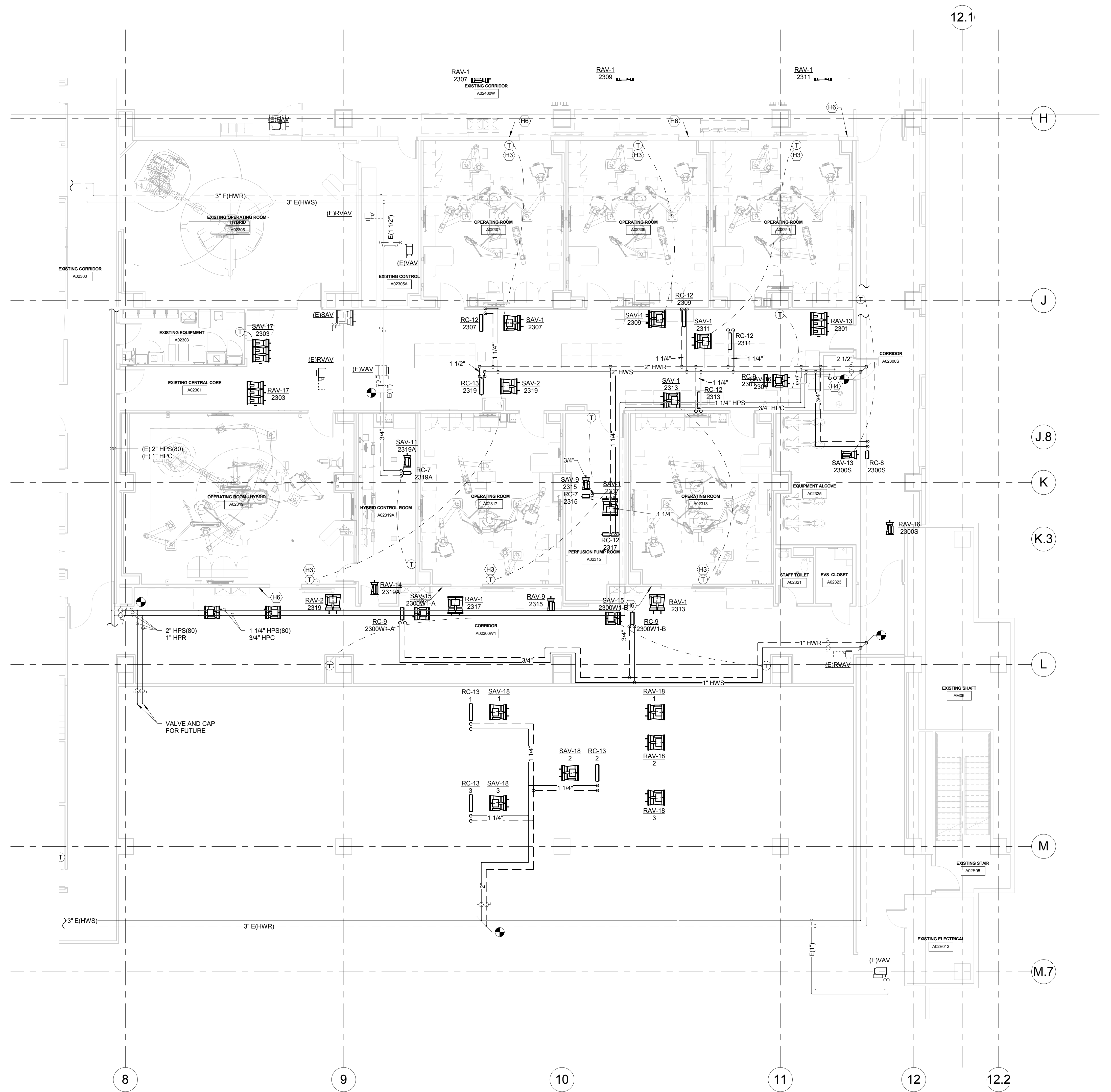
Revision Schedule

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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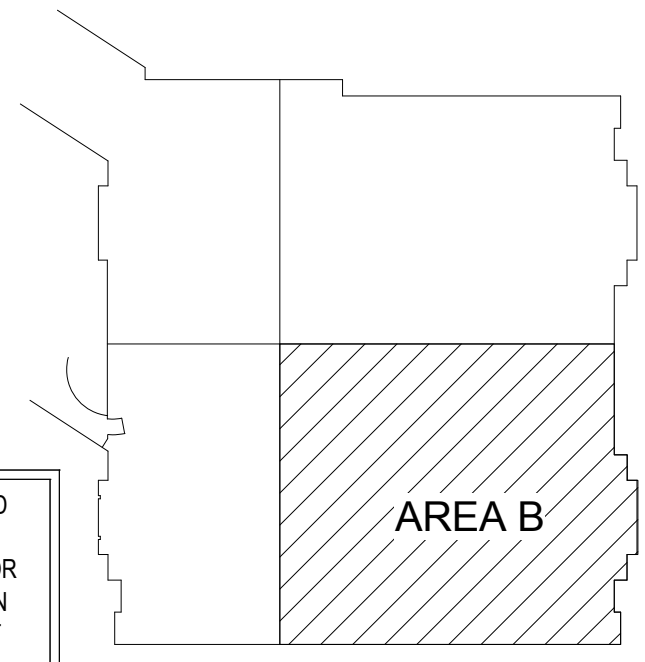
SECOND FLOOR PLAN - AREA D - PIPING - DEMOLITION M1.23D

TAGGED NOTES	
H3	PROVIDE AND INSTALL PHOENIX CONTROLS VIEW TOUCH SCREEN AT THIS LOCATION. TOUCH SCREEN SHALL DISPLAY ROOM TEMPERATURE SETPOINT, ROOM TEMPERATURE, ROOM HUMIDITY %, AIR CHANGES PER HOUR, ROOM PRESSURE RELATION TO CORRIDOR, AIRFLOW OFFSET AND OCCUPANCY MODE.
H4	HIGH PRESSURE STEAM AND HIGH PRESSURE CONDENSATE PIPING DOWN TO STERILIZER.
H6	PROVIDE AND INSTALL ROOM PRESSURE MONITOR AT THIS LOCATION. PRESSURE MONITOR SHALL MEASURE PRESSURE ACROSS OPERATING ROOM AND ADJACENT CORRIDOR.



1 SECOND FLOOR - HYDRONICS - NEW WORK - AREA B
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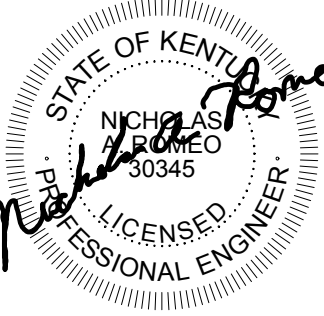


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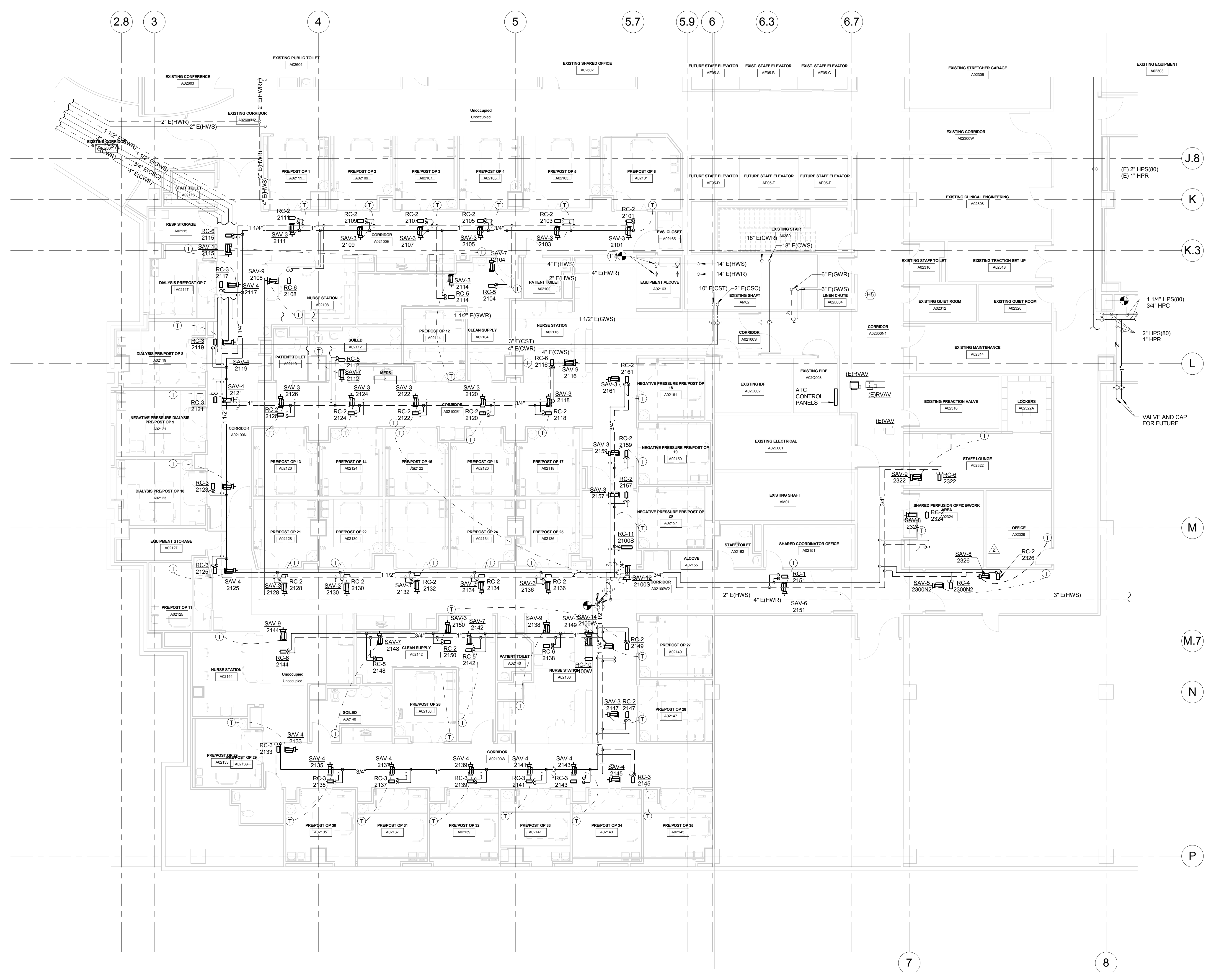


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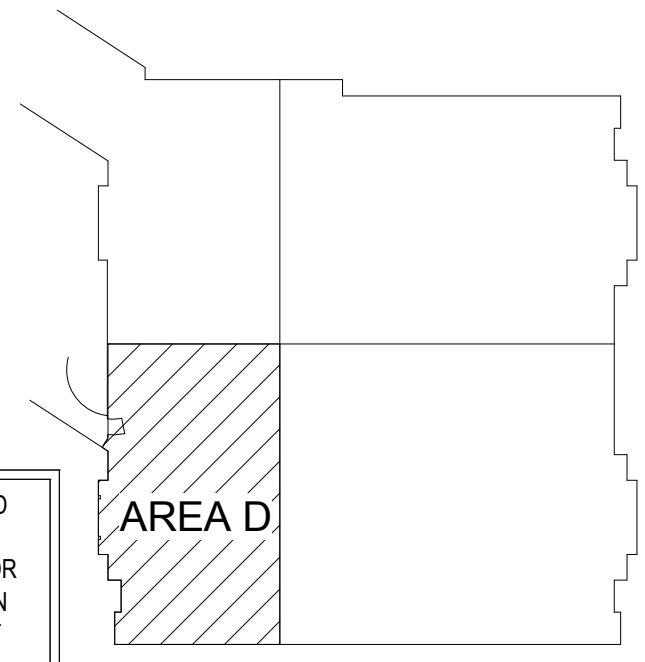
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SECOND FLOOR PLAN - AREA B - PIPING - NEW WORK M1.24B



TAGGED NOTES	
H5	MC SHALL PROVIDE AND INSTALL PRESSURE GAGES AND TEMPERATURE SENSORS IN PC PROVIDED TAPS IN THE DOMESTIC HOT WATER AND DOMESTIC HOT WATER RECIRCULATION MAIN AT THIS LOCATION. REFER TO PLUMBING DRAWINGS FOR LOCATION OF PIPE TAPS.
H18	PROVIDE AND INSTALL FULL LINE SIZE HEATING HOT WATER'S ISOLATION AND BALANCING VALVES. PROVIDE ADEQUATE SERVICE ACCESS TO THESE VALVES.

1 SECOND FLOOR - HYDRONICS - NEW WORK - AREA D
1/8" = 1'-0"

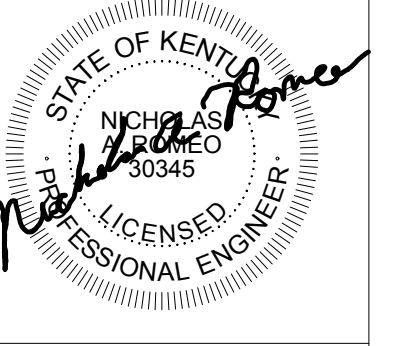


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1/8" = 1'-0"
Author
2/20/18

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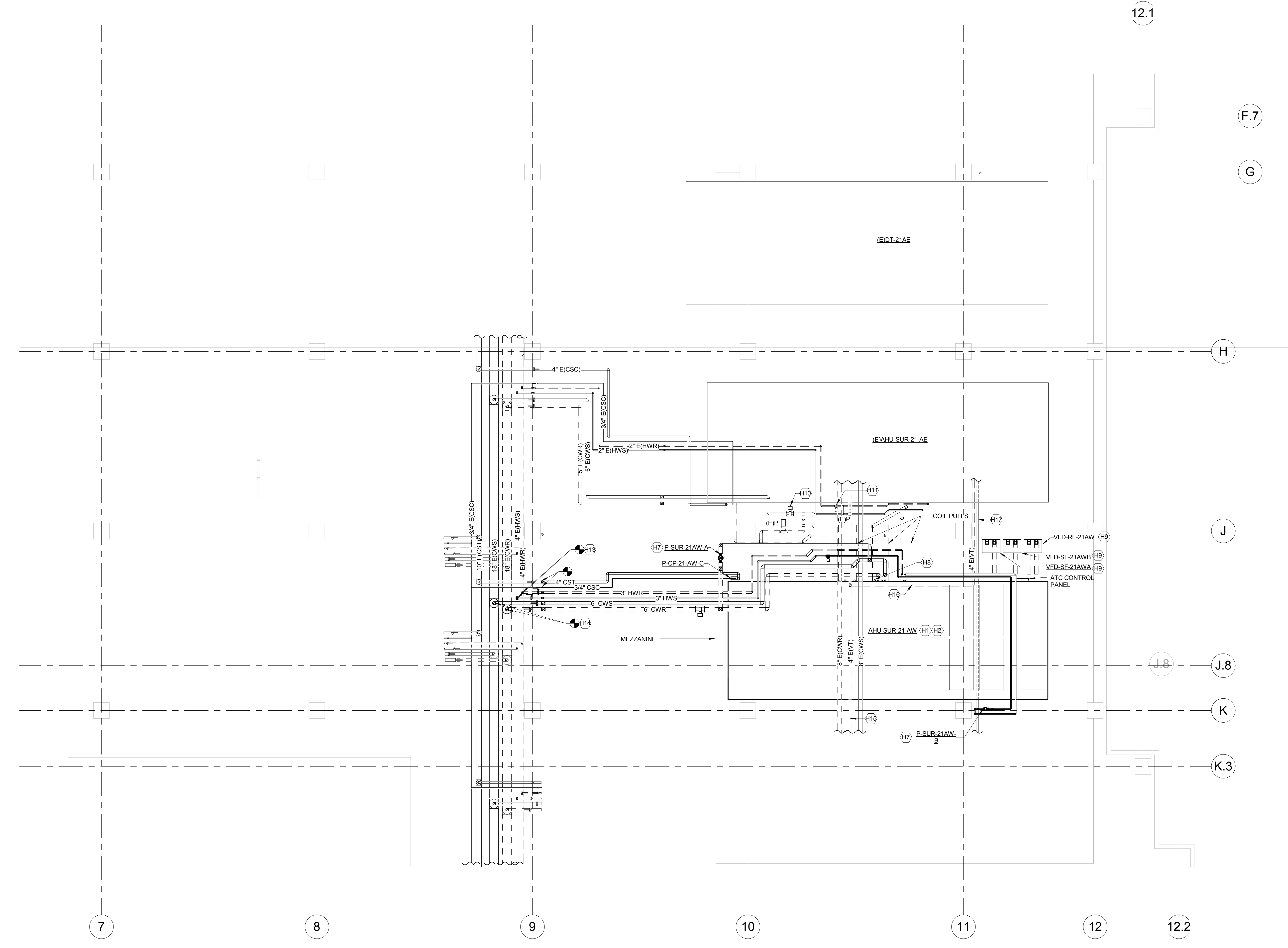


Revision Schedule	
NO. #	DATE
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SECOND FLOOR PLAN - AREA D - PIPING - NEW WORK M1.24D



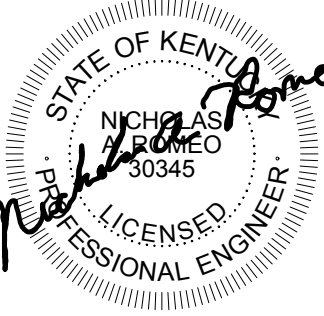
1 THIRD FLOOR - PIPING - AREA B - NEW WORK
1/8" = 1'-0"

TAGGED NOTES	
H1	AIR HANDLING UNIT SHALL BE INSTALLED ON EXISTING MEZZANINE.
H2	OWNER FURNISHED, CONTRACTOR INSTALLED.
H7	PUMP MOUNTED 2 FEET ABOVE MEZZANINE FLOOR. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES.
H8	2 INCH CONDENSATE PIPING TO NEAREST FLOOR DRAIN.
H9	FLOOR MOUNT VFD.
H10	REPLACE EXISTING AHU-SUR-21AE AIR HANDLING UNITS CHILLED WATER CONTROL VALVE WITH A 1/3, 2/3 CAPACITY VALVING ARRANGEMENT. EXISTING CHILLED WATER COIL MAX FLOW RATE IS 432 GPM.
H11	REPLACE EXISTING AHU-SUR-21AE AIR HANDLING UNITS HOT WATER CONTROL VALVE WITH A 1/3, 2/3 CAPACITY VALVING ARRANGEMENT. EXISTING HOT WATER COIL MAX FLOW RATE IS 45 GPM.
H13	UPSIZED EXISTING 2" HOT WATER SUPPLY AND RETURN CONNECTION PIPING TO 3".
H14	UPSIZED EXISTING 5" CHILLED WATER SUPPLY AND RETURN CONNECTION PIPING TO 6".
H15	RAISE 4" SANITARY VENT LINE TO ALLOW INSTALLATION OF AHU-SUR-21BW.
H16	REROUTE 4" SANITARY VENT BRANCH LINE FROM OVER AHU-SUR-21BW.
H17	REROUTE 6" PNEUMATIC TUBE PIPING TO AVOID CONFLICT WITH OUTSIDE AIR AND RELIEF AIR DUCTWORK TO AHU-SUR-21BW.

4/11/18
1/8" = 1'-0"
Author
2/28/18

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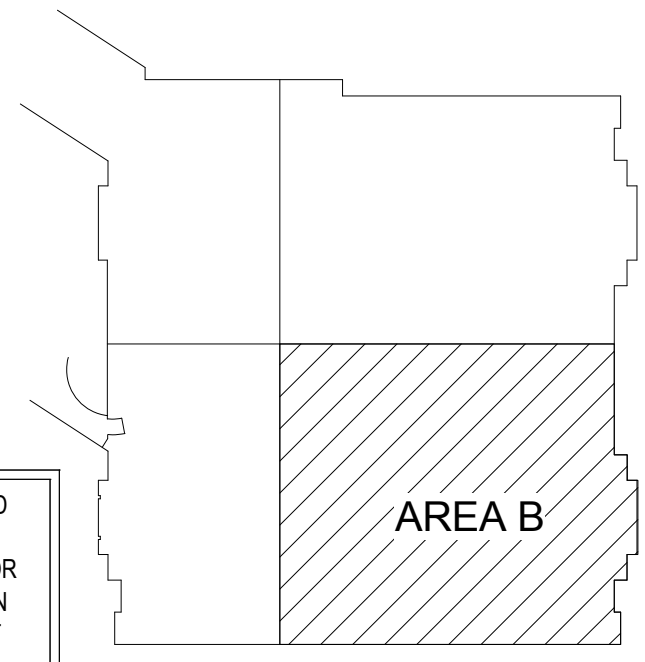


Revision Schedule

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PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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RECORD DRAWINGS

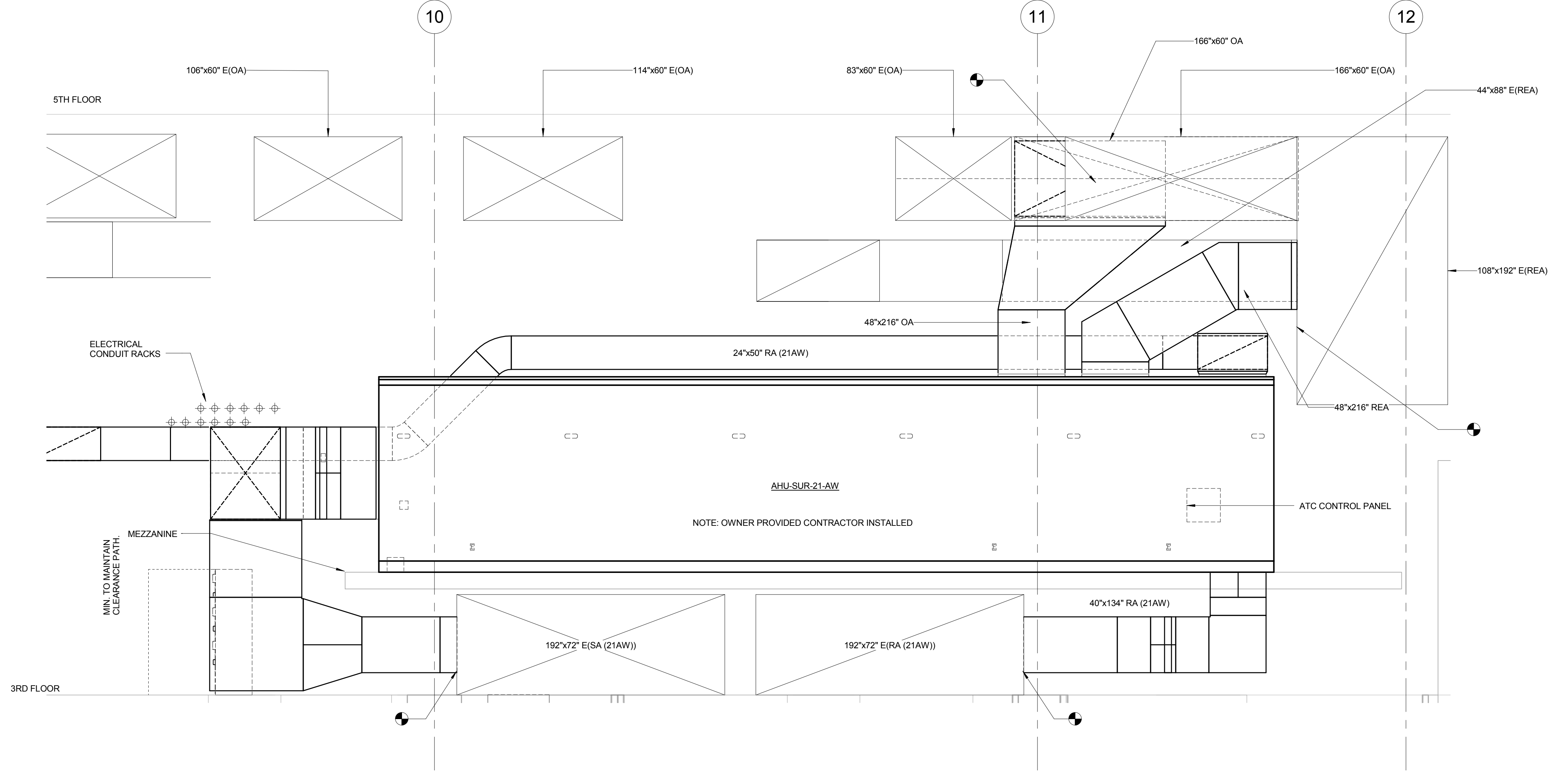
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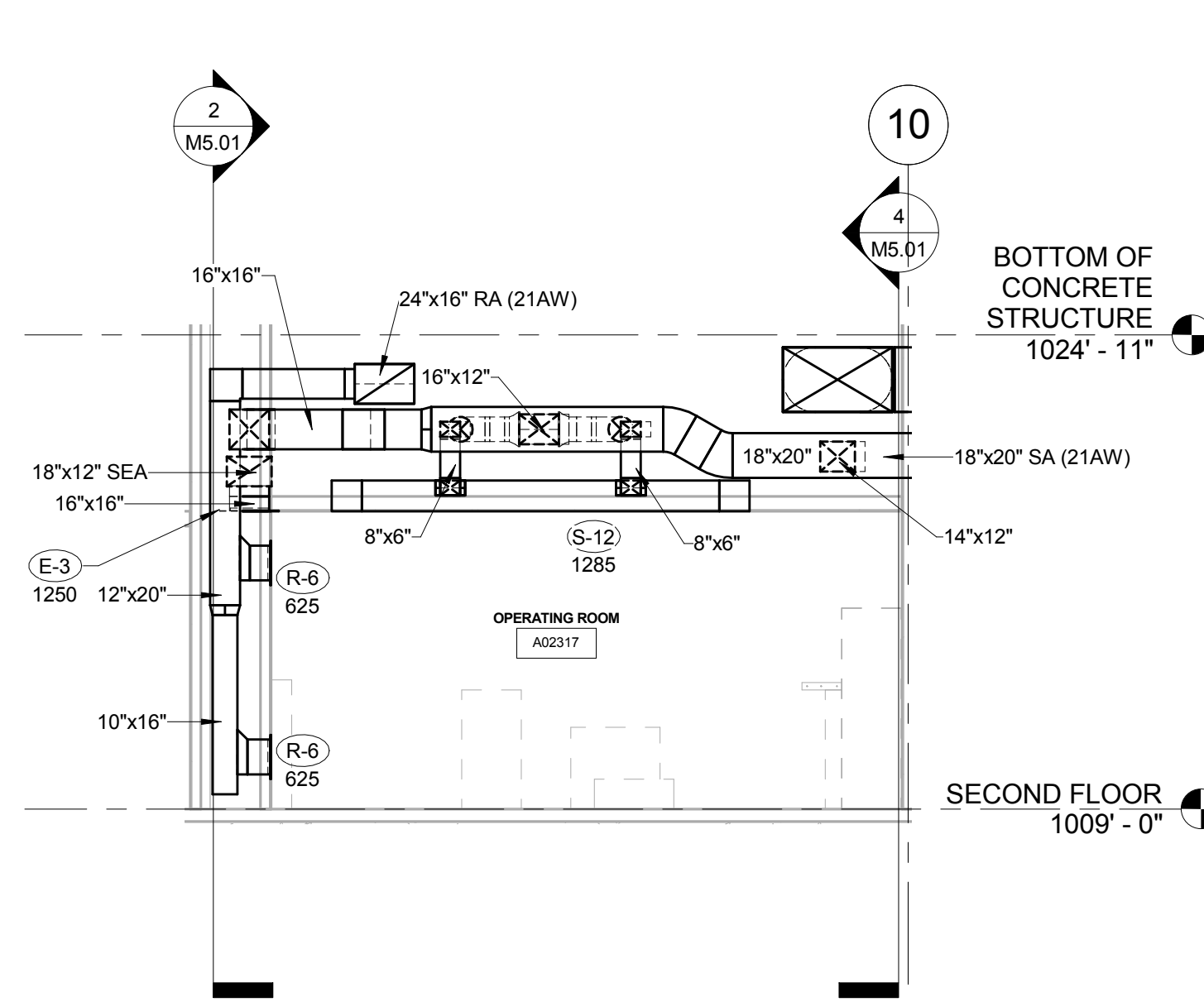


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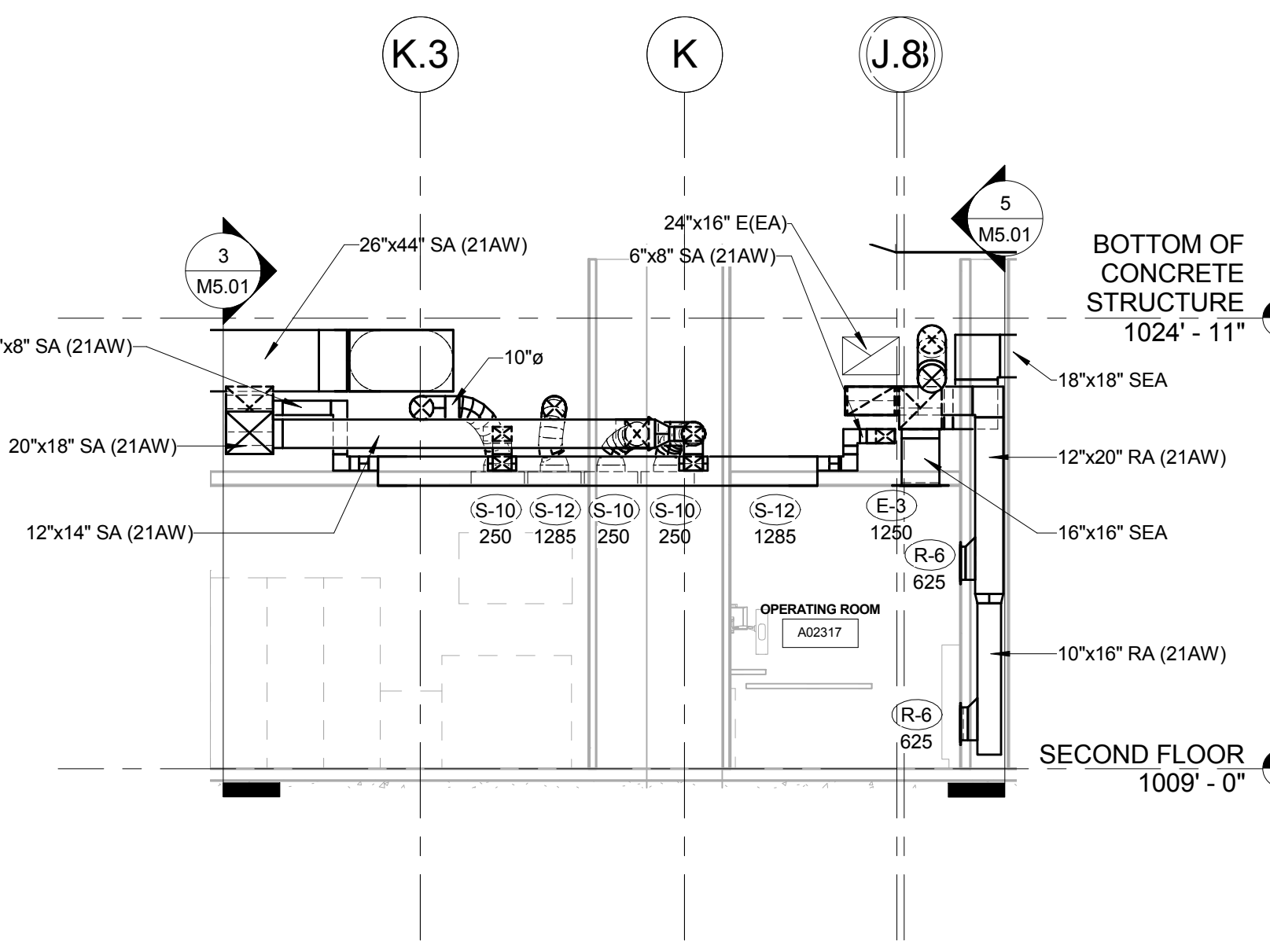
THIRD FLOOR
PLAN - PIPING
- AREA B -
NEW WORK
M1.32B



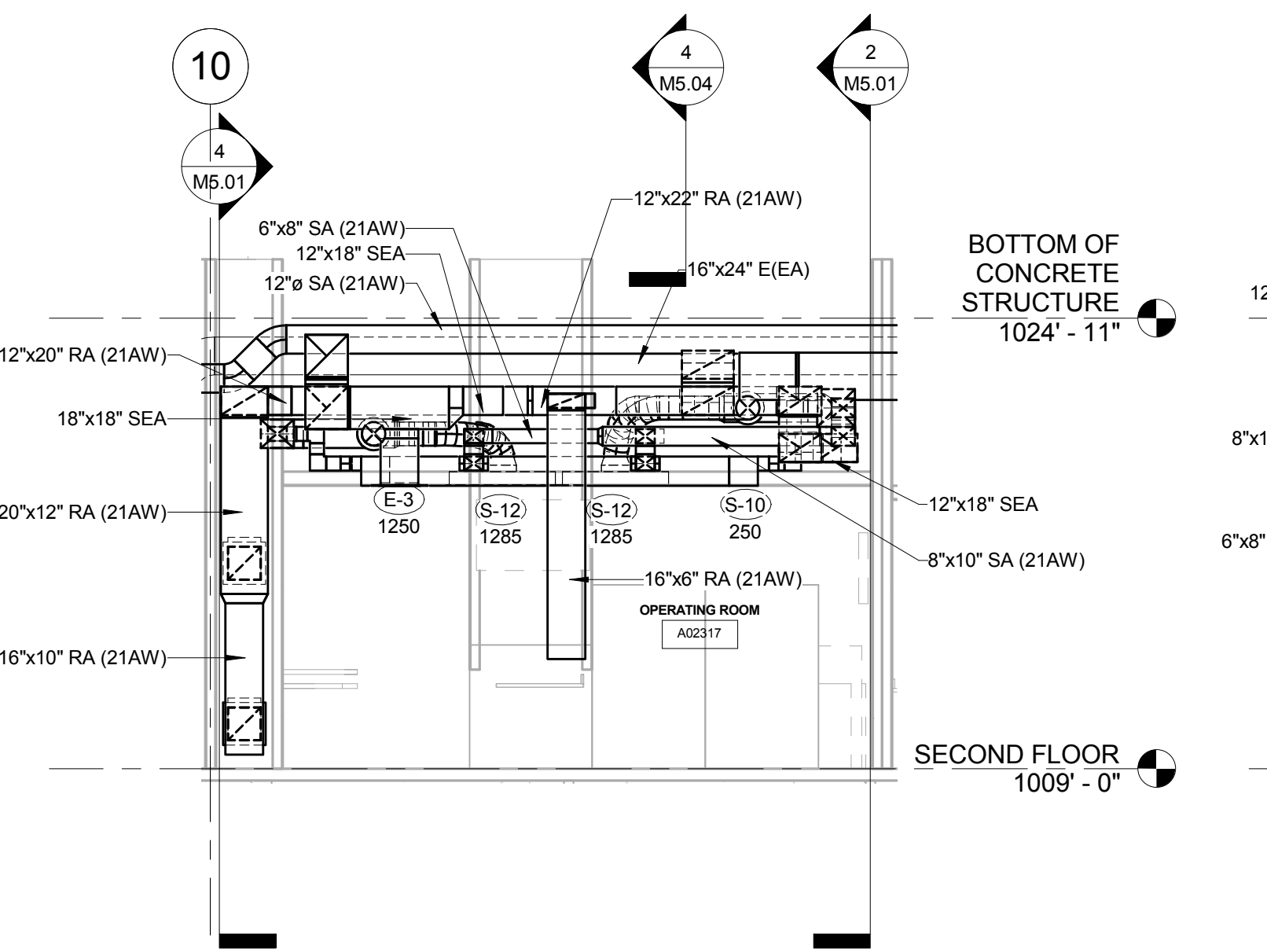
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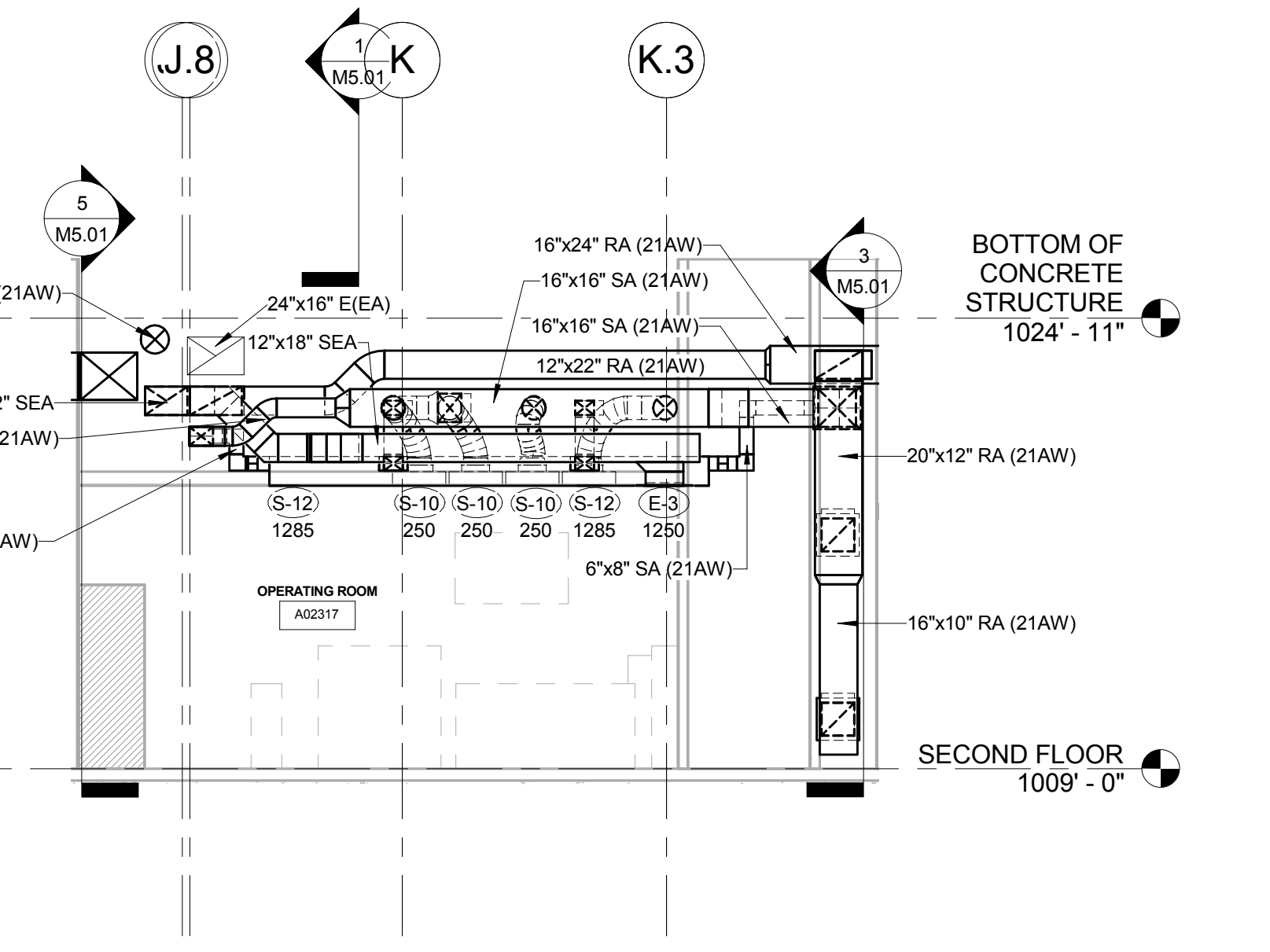
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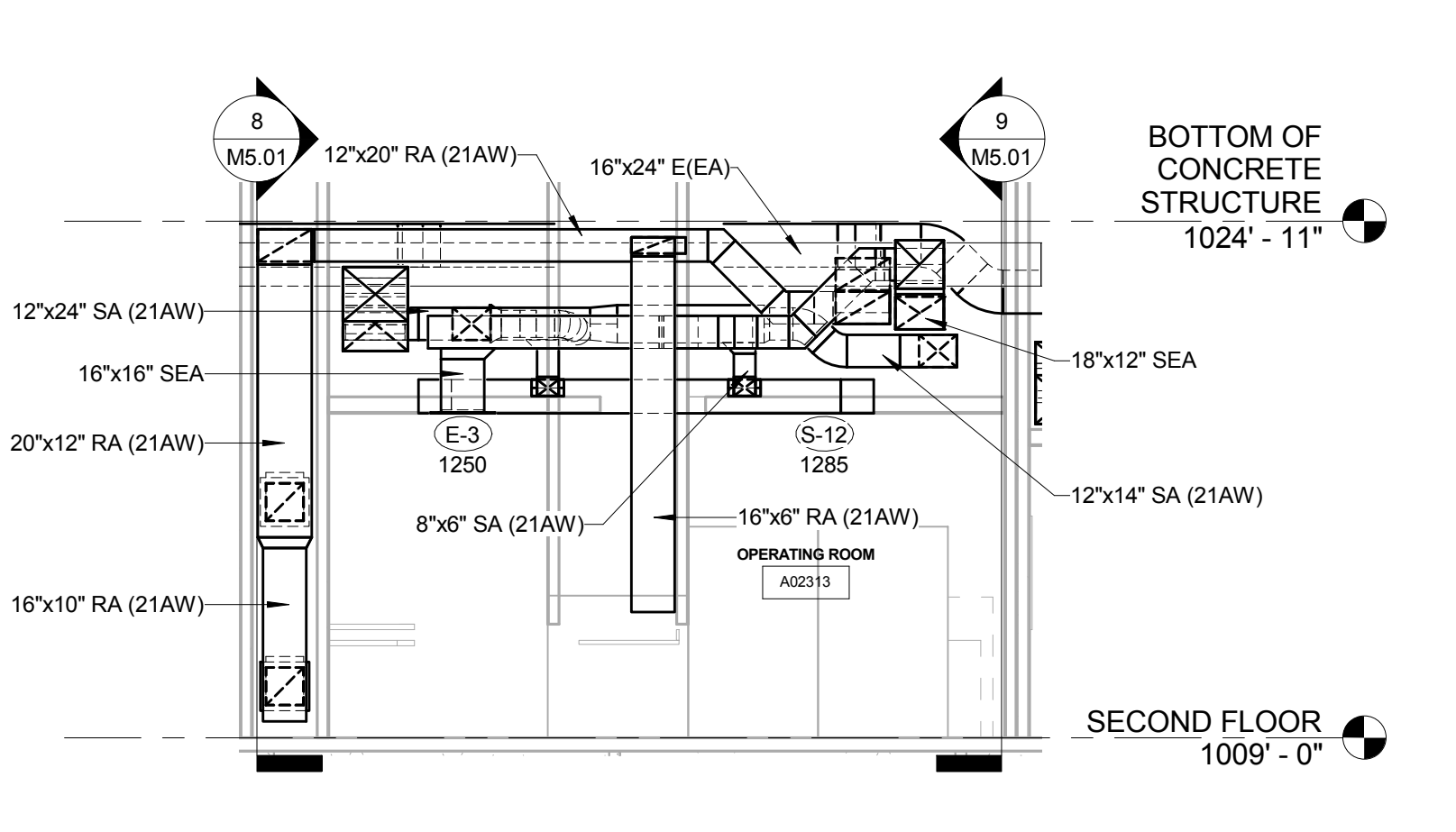
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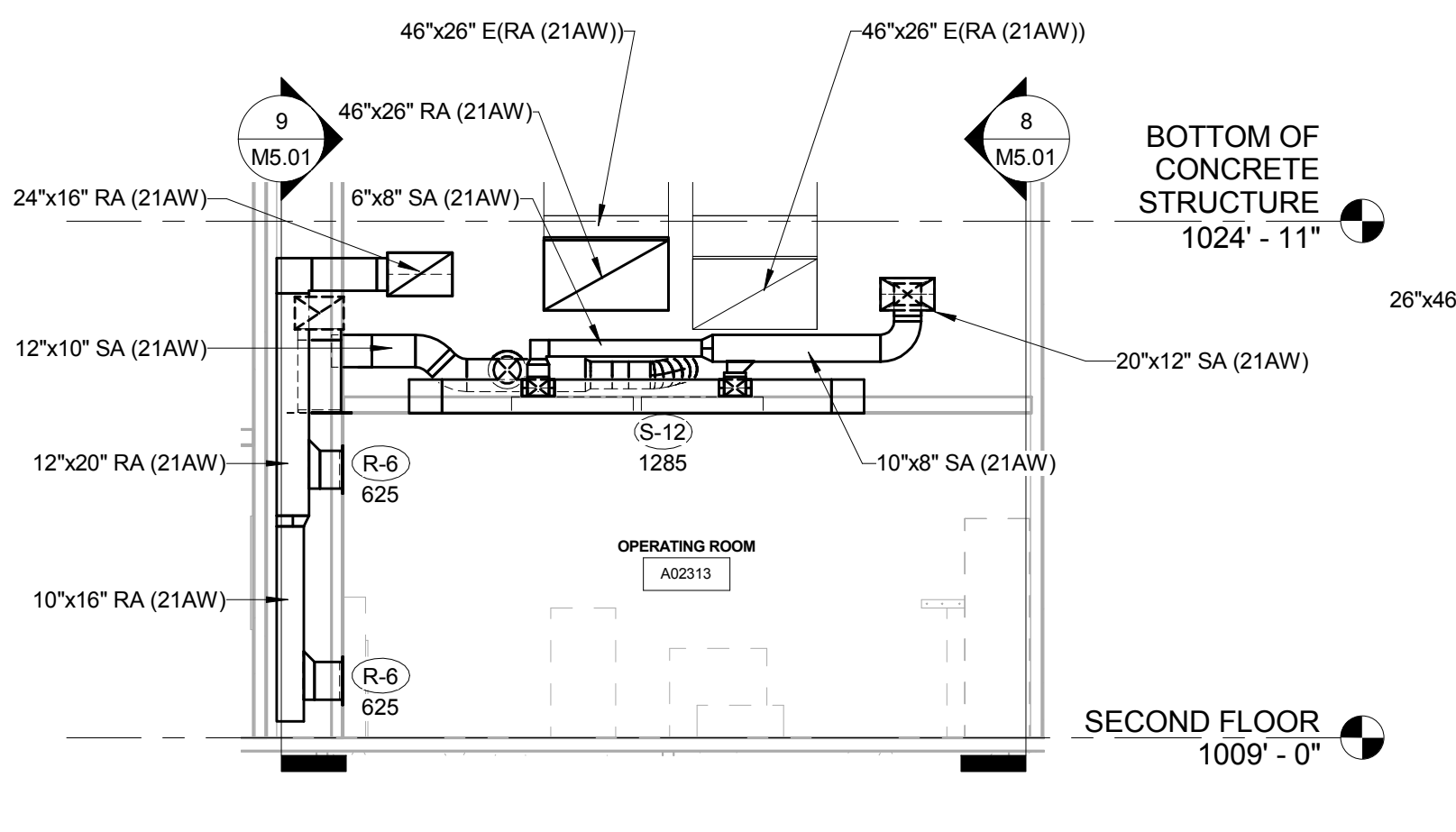
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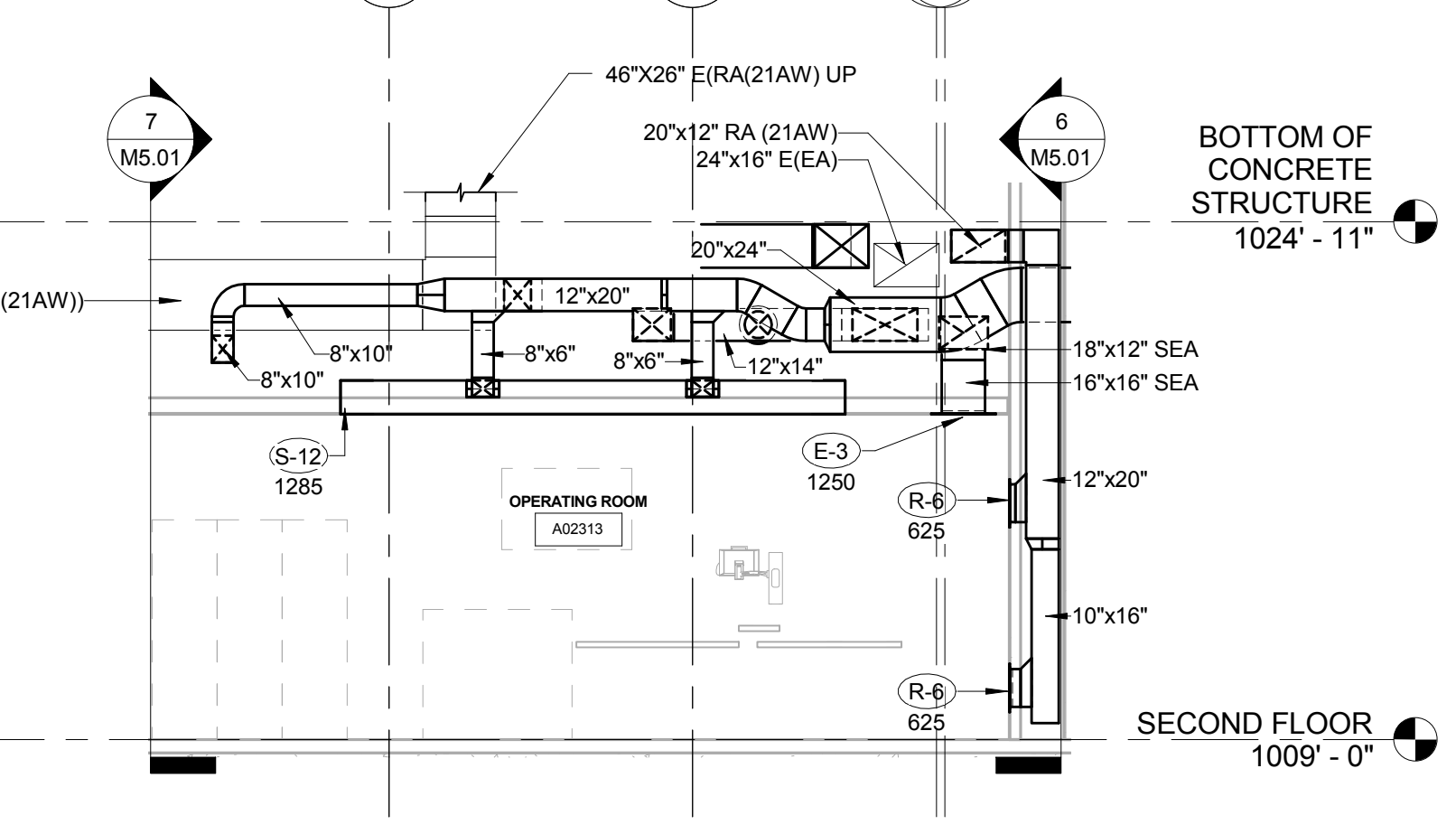
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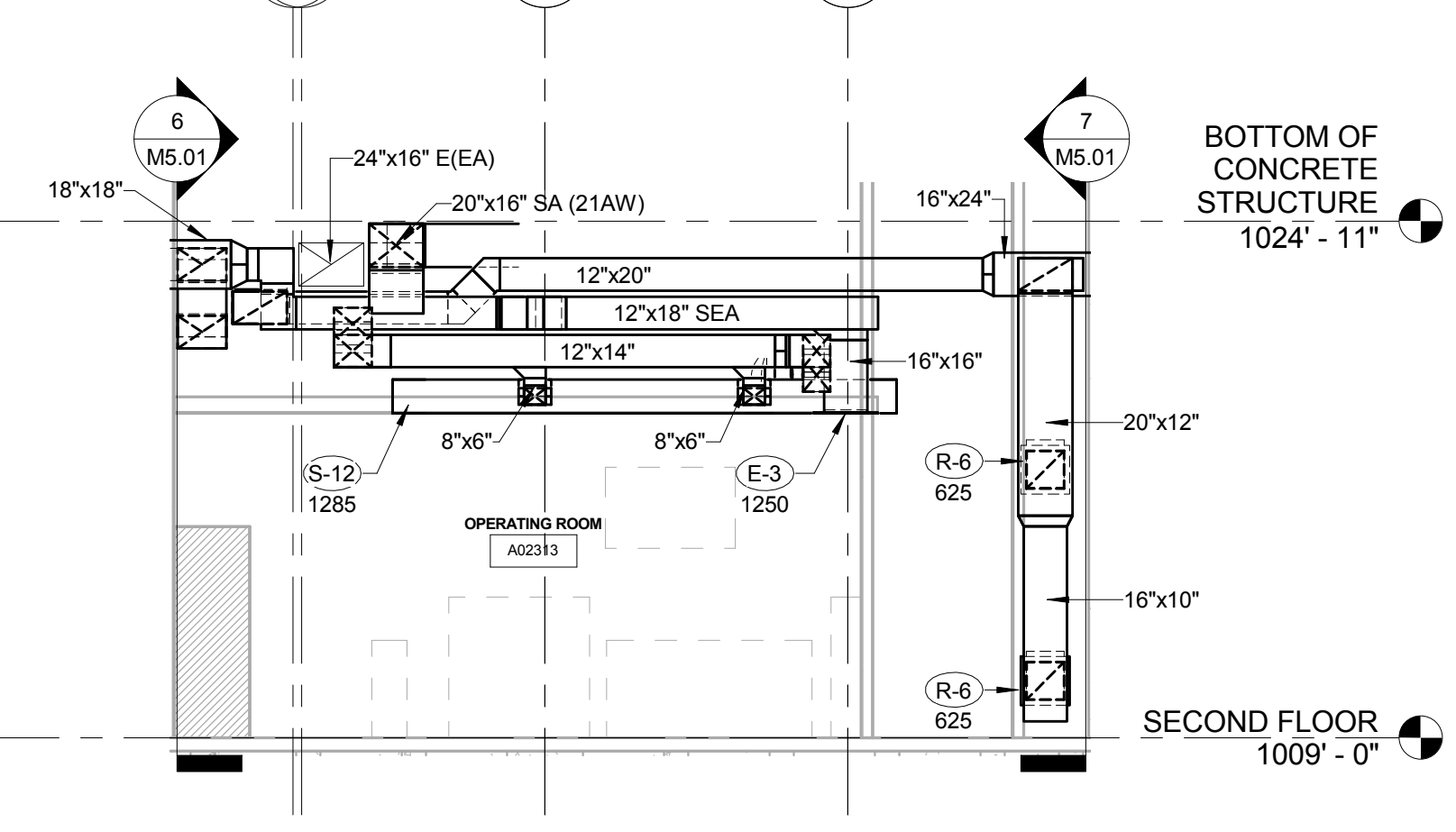
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3/16" = 1'-0"



7 OPERATING ROOM A02313 SECTION VIEW 2
3/16" = 1'-0"



8 OPERATING ROOM A02313 SECTION VIEW 3
3/16" = 1'-0"



9 OPERATING ROOM A02313 SECTION VIEW 4
3/16" = 1'-0"

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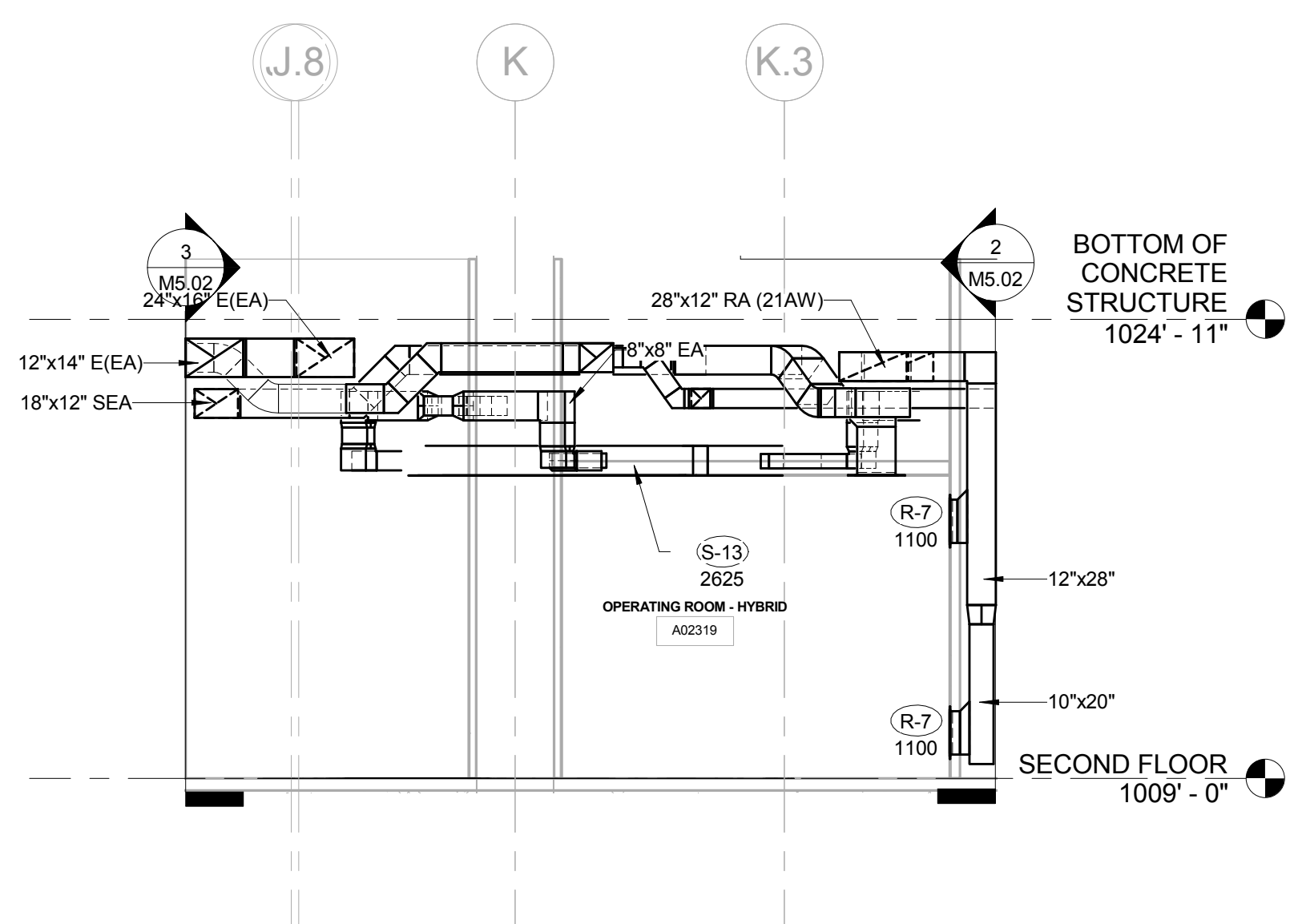
Revision Schedule

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PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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RECORD DRAWINGS

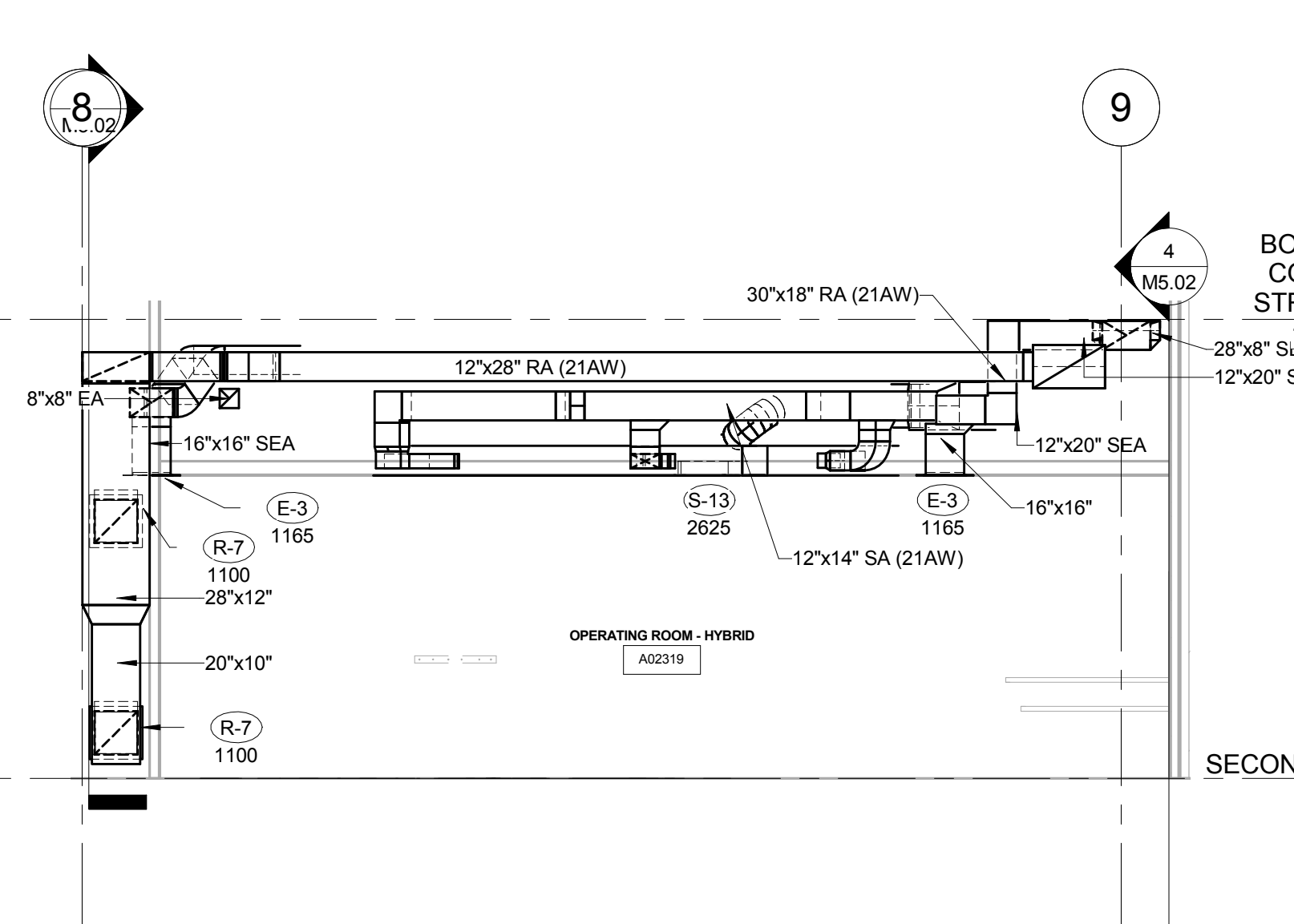
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MECHANICAL SECTIONS

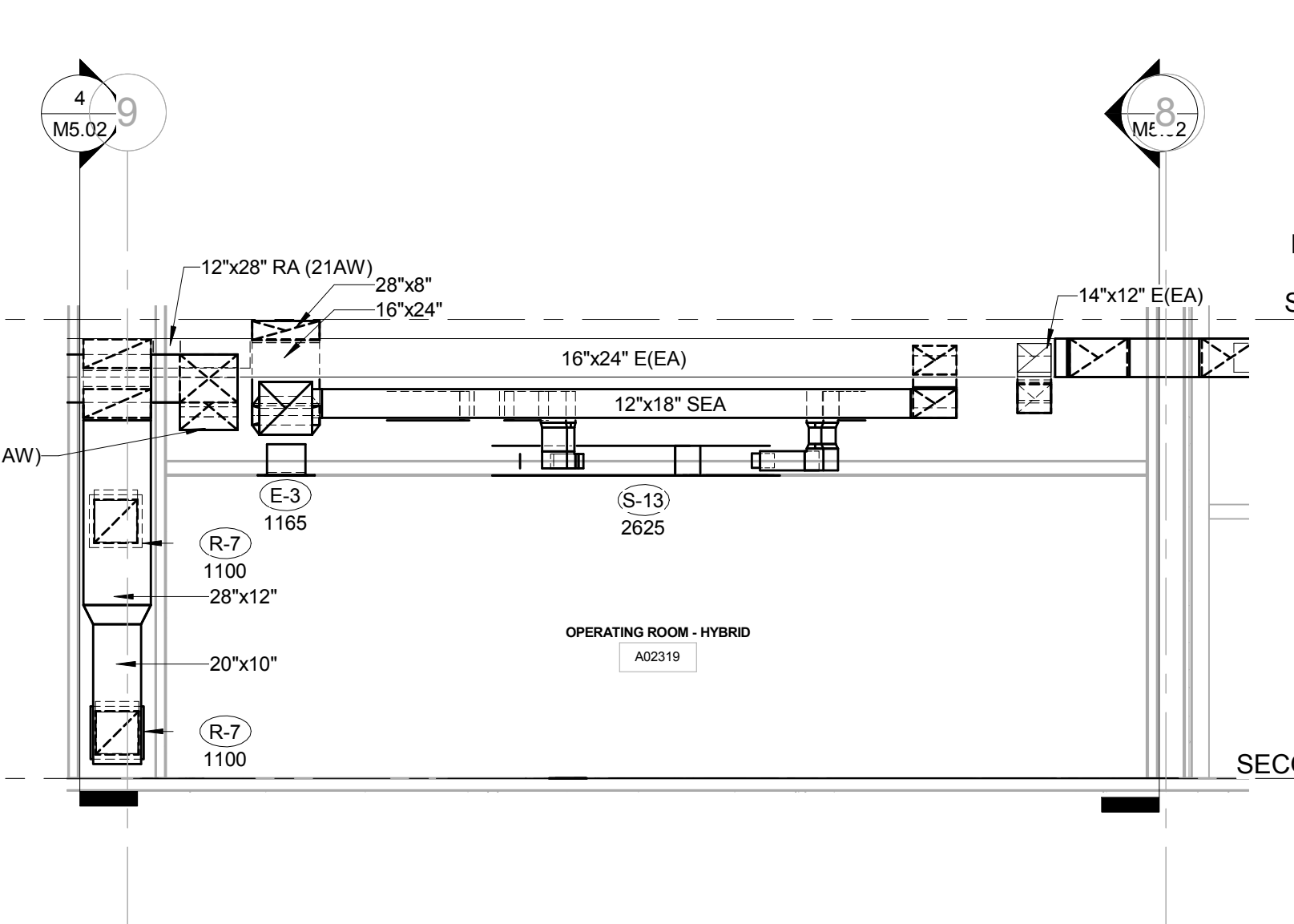
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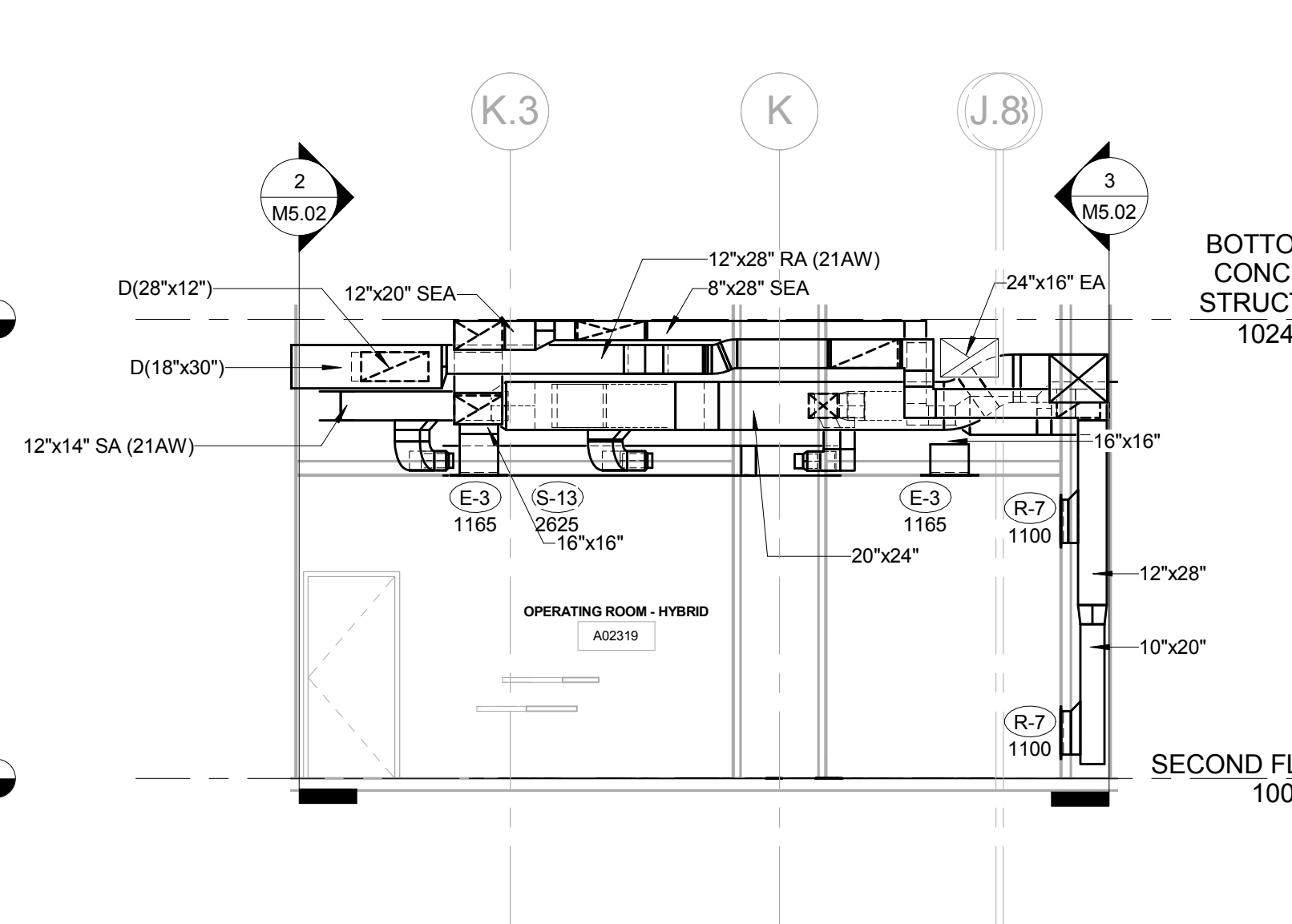
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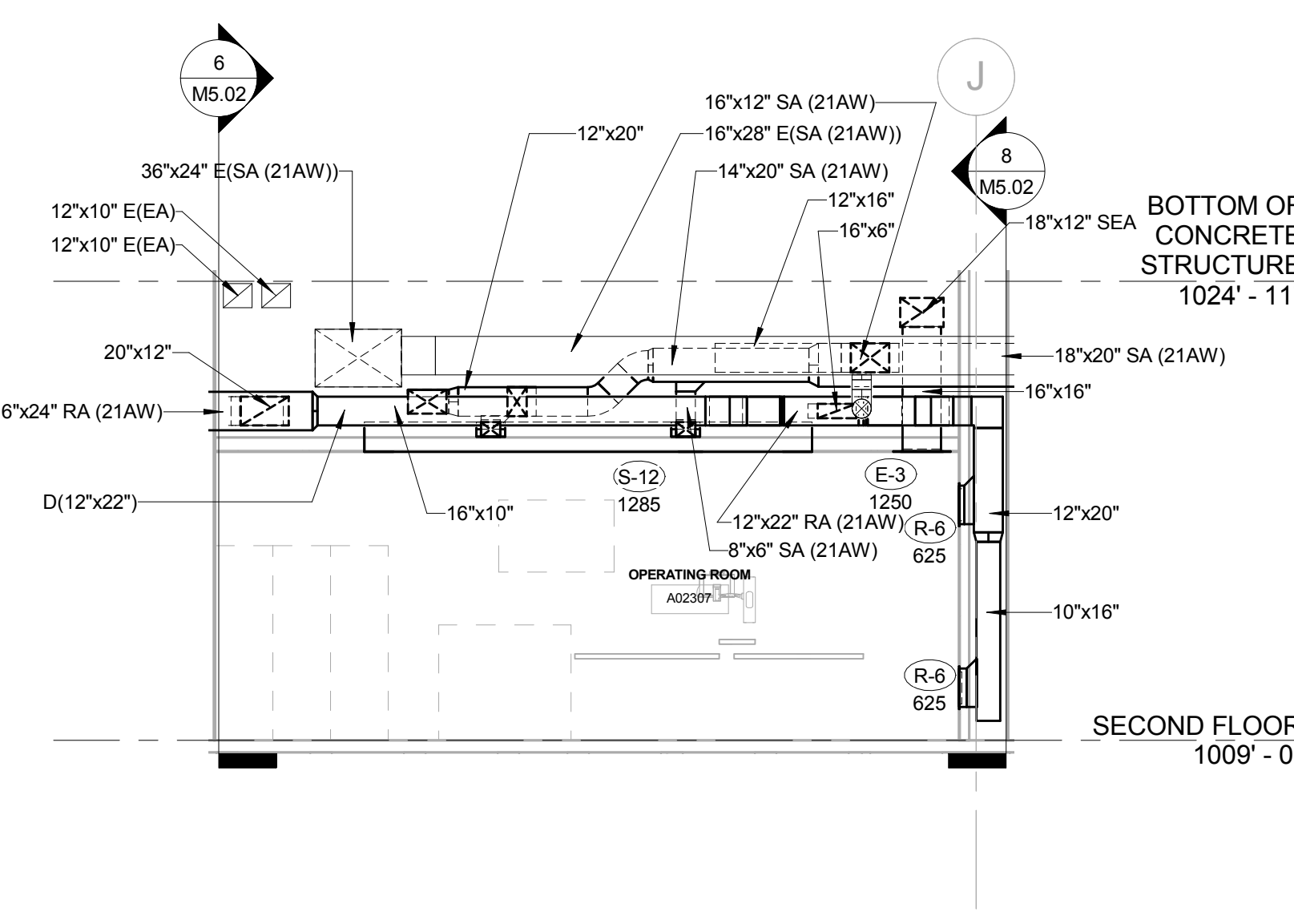
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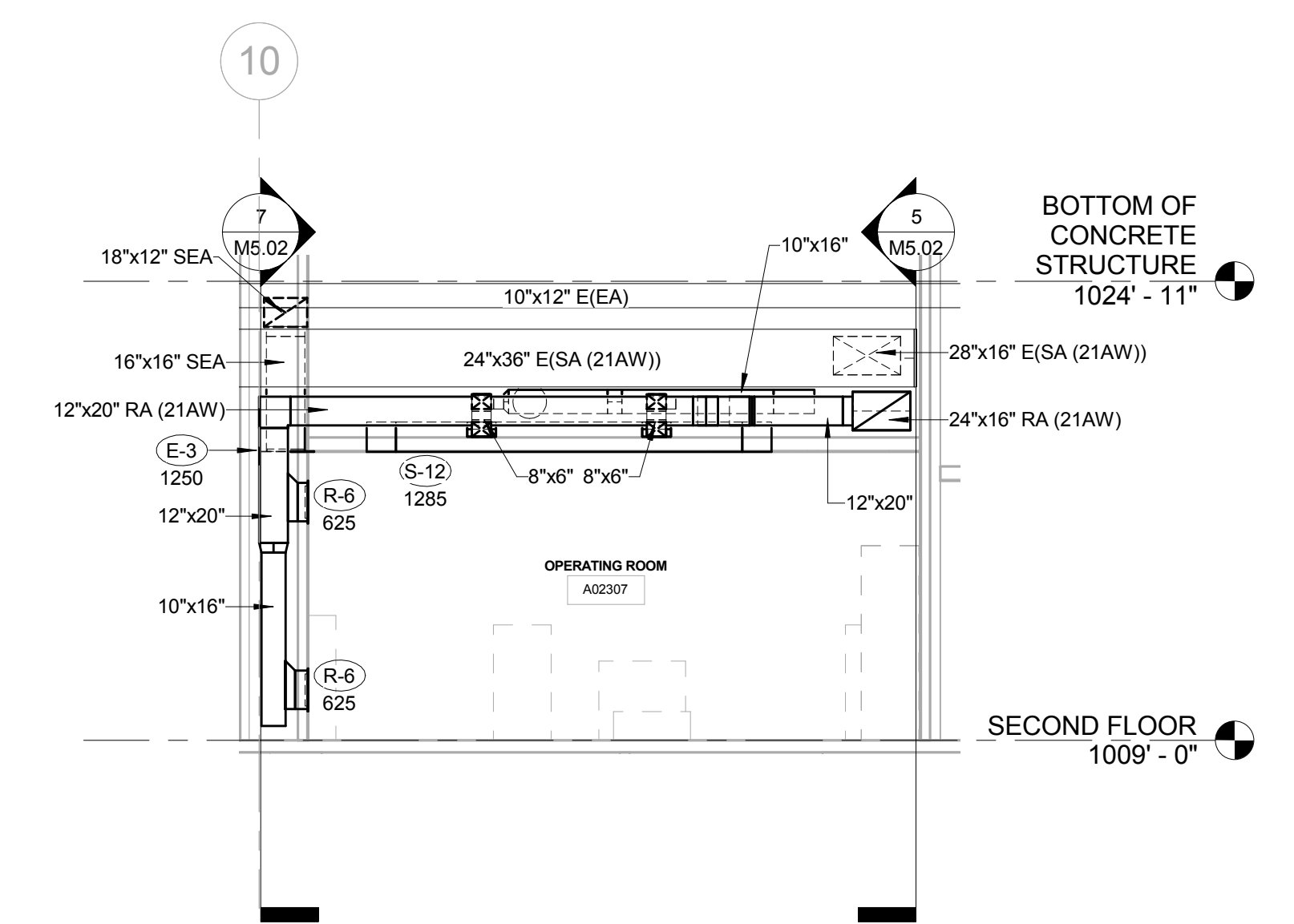
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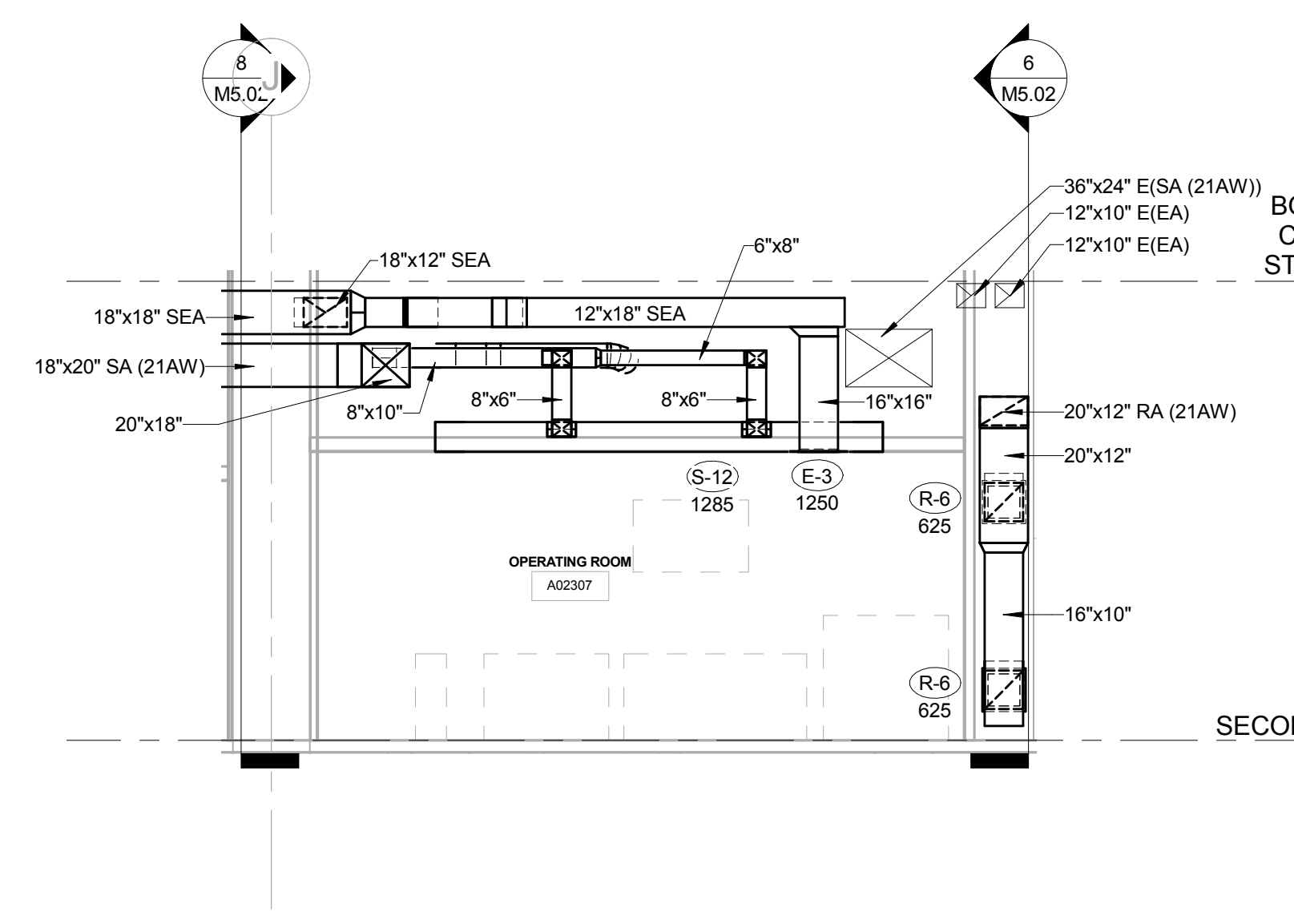
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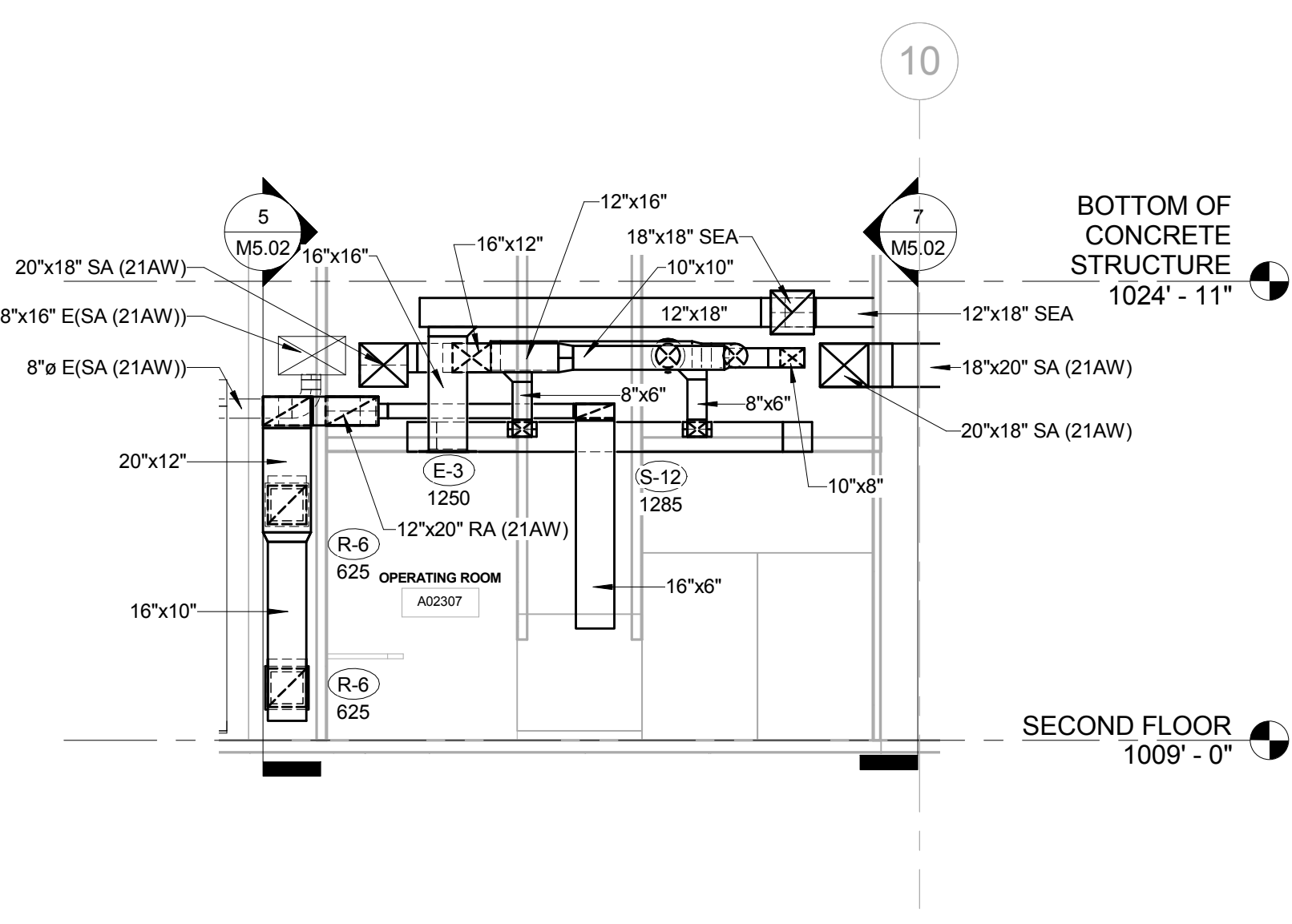
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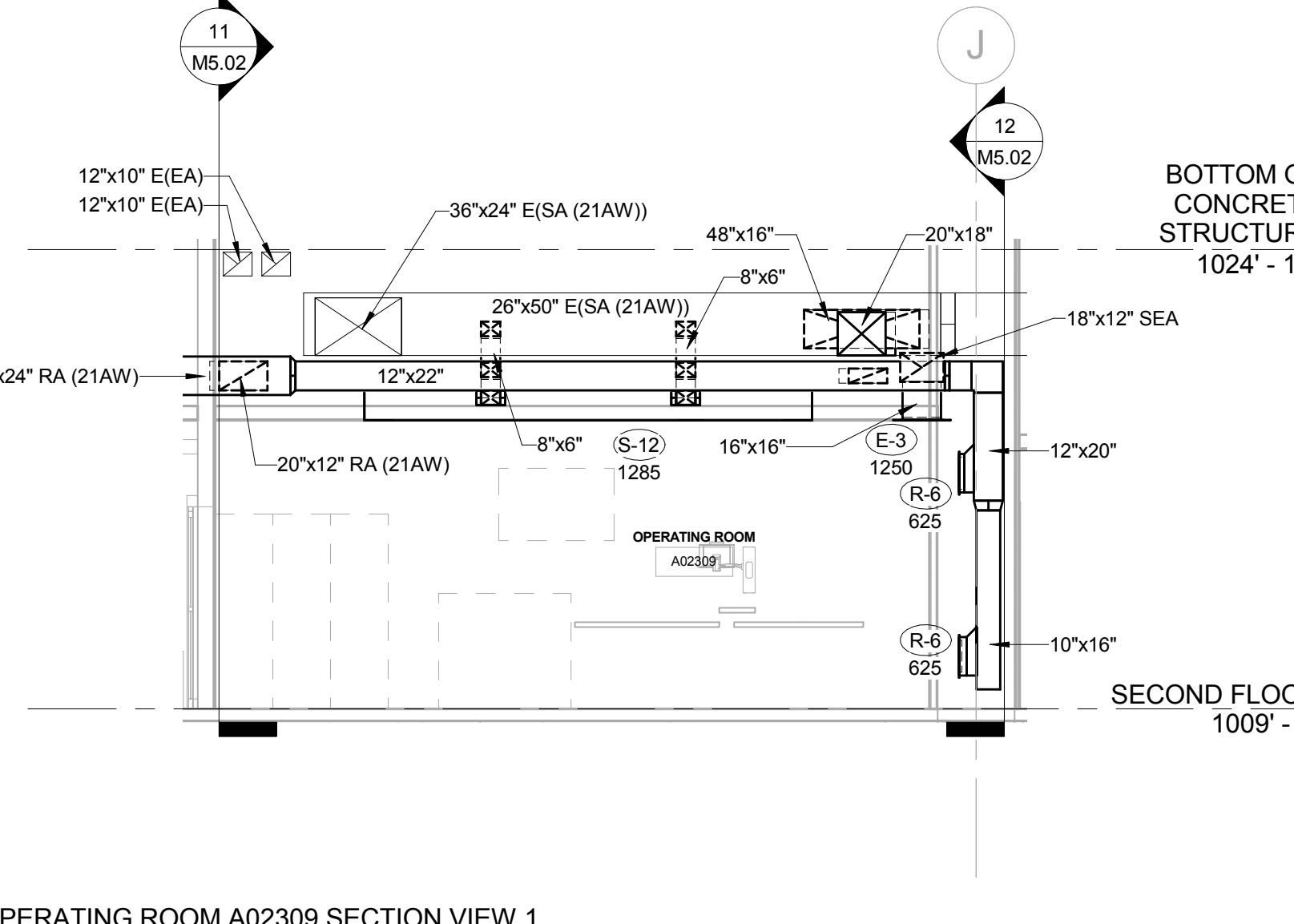
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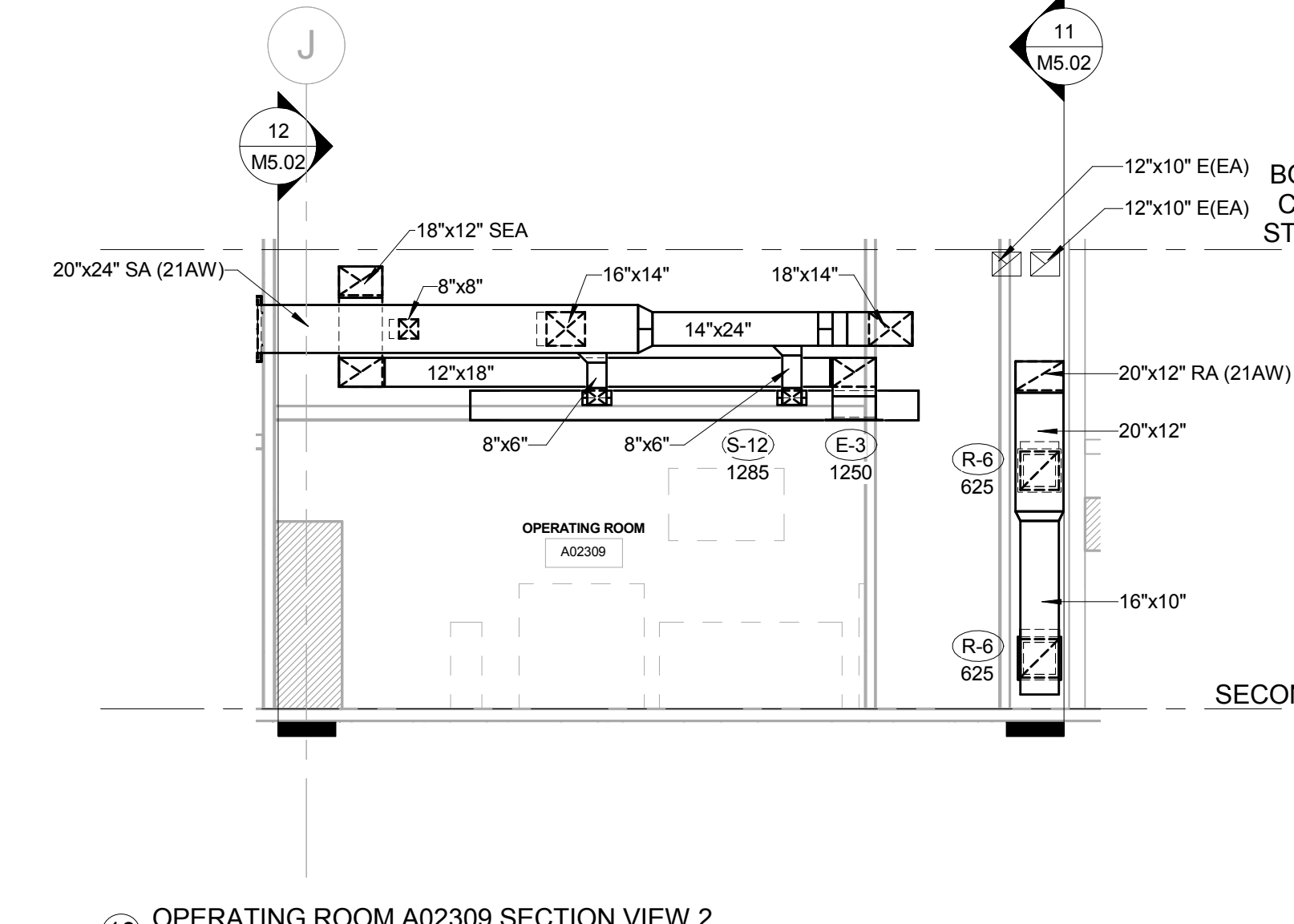
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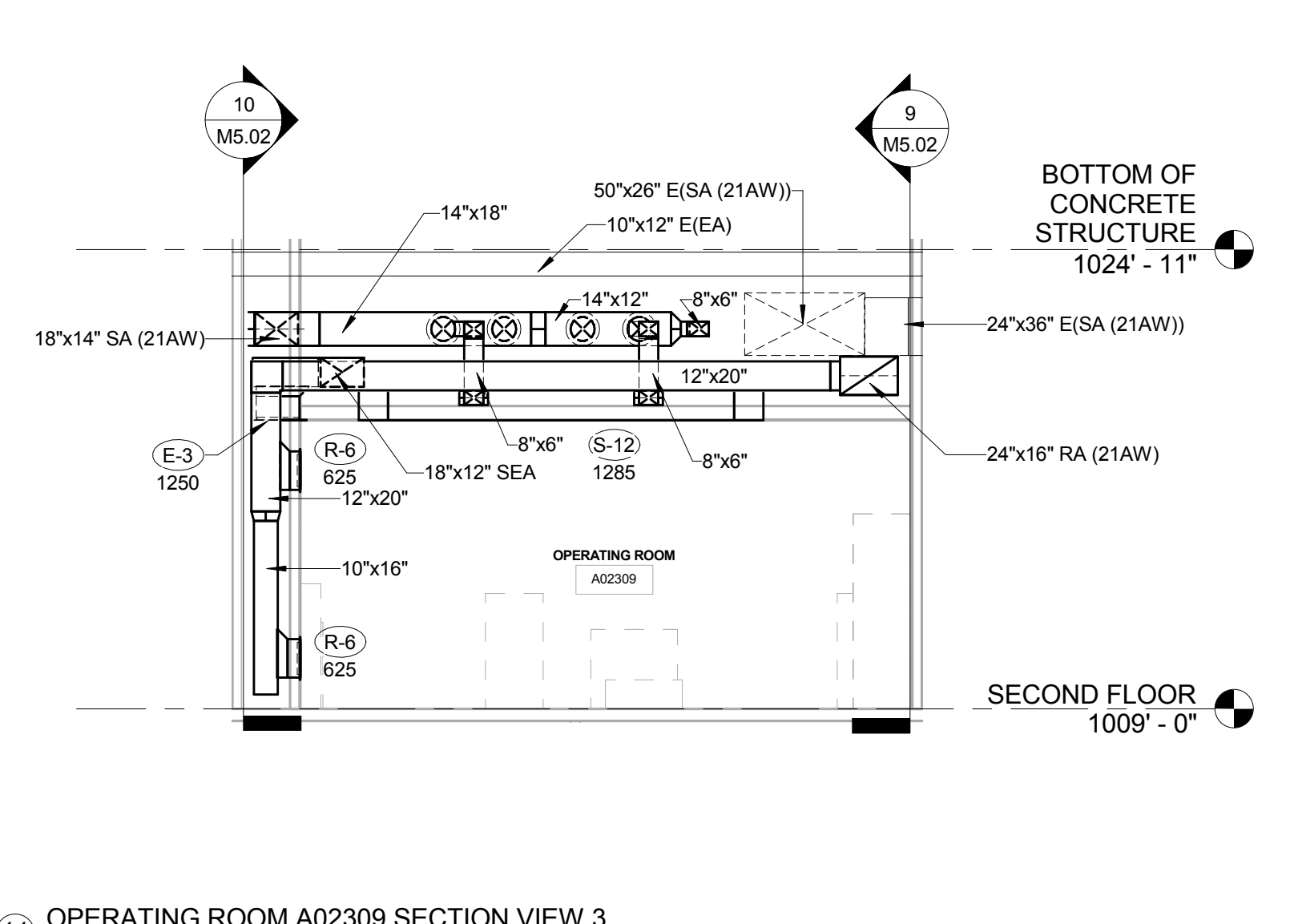
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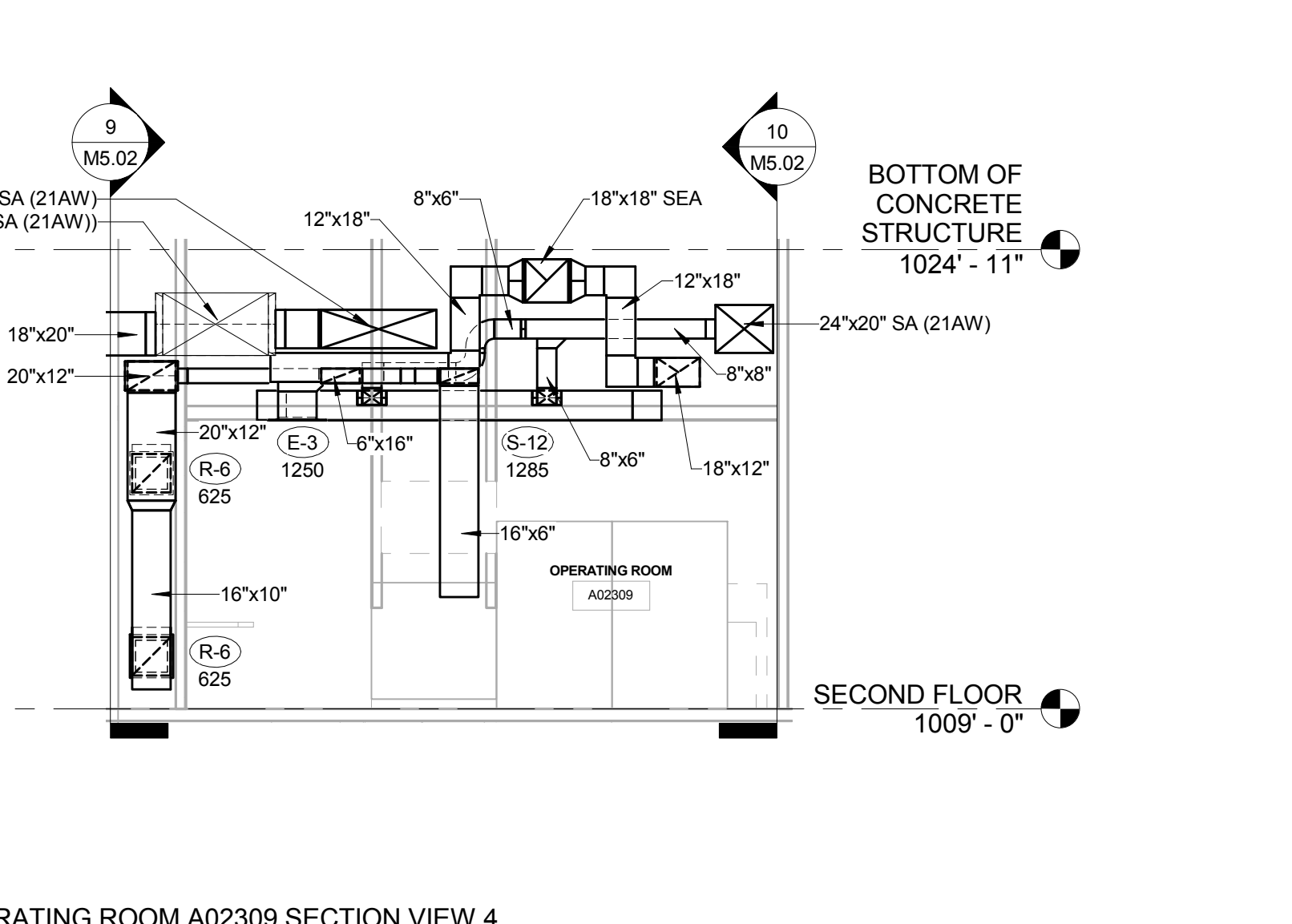
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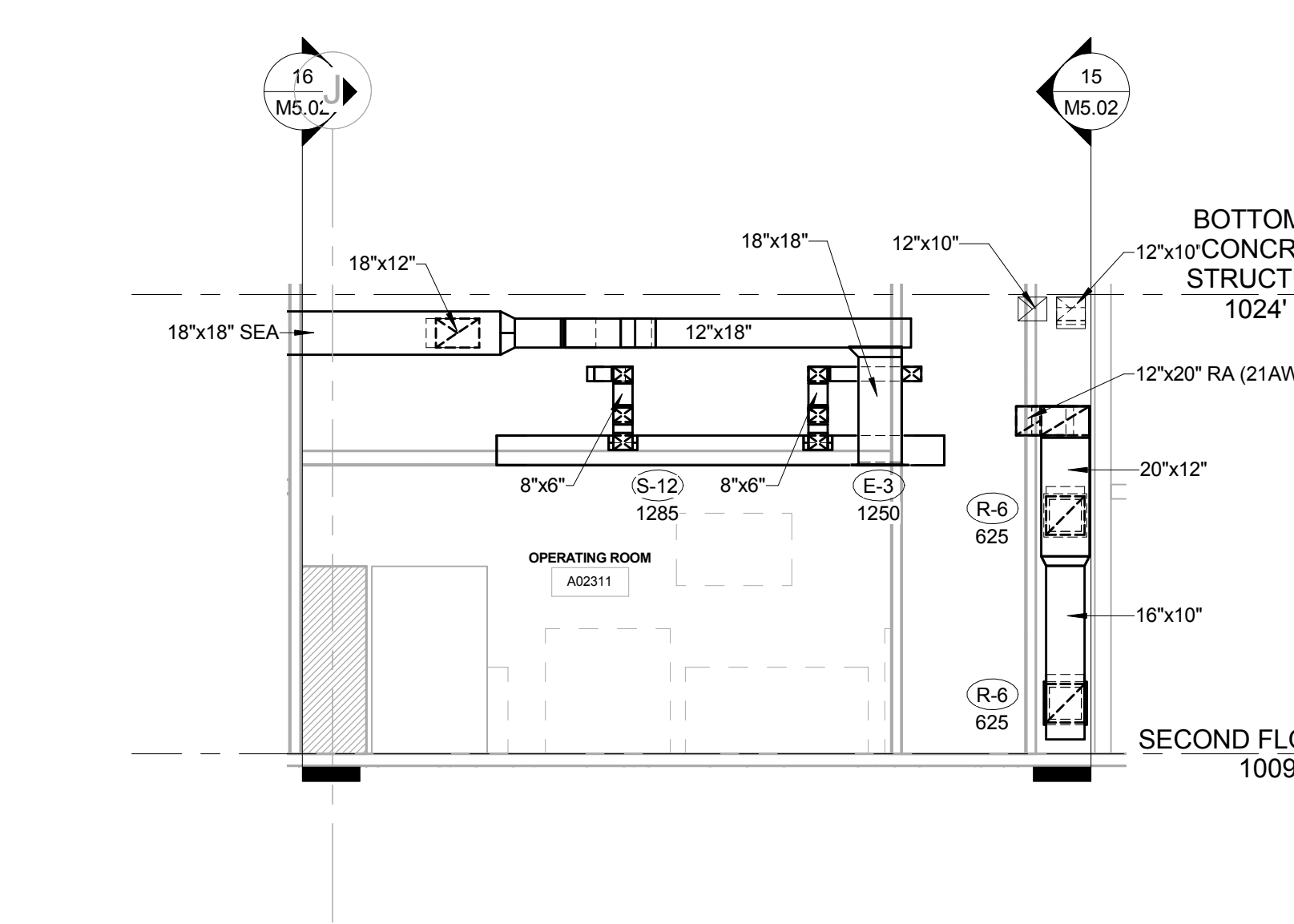
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3/16" = 1'-0"



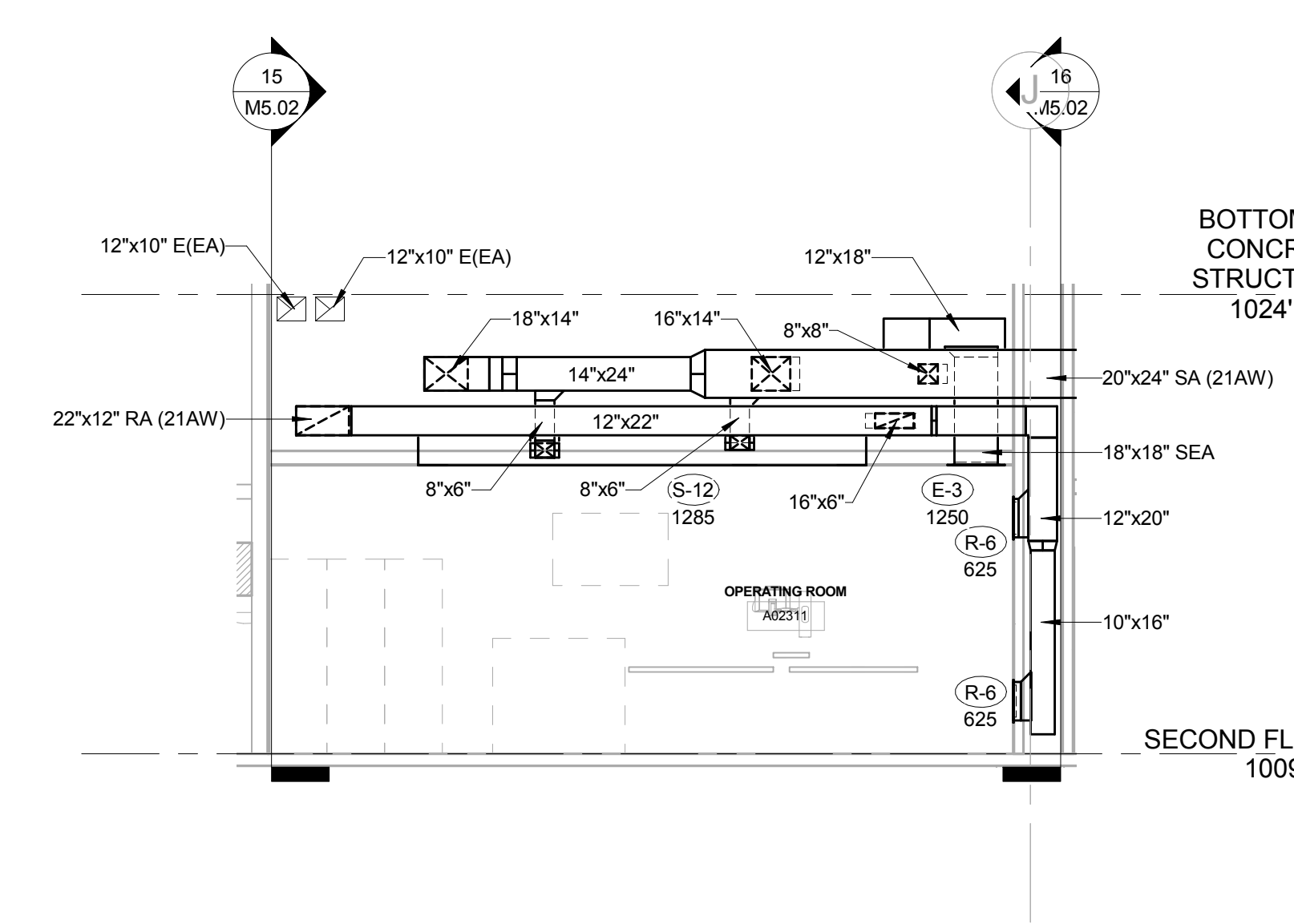
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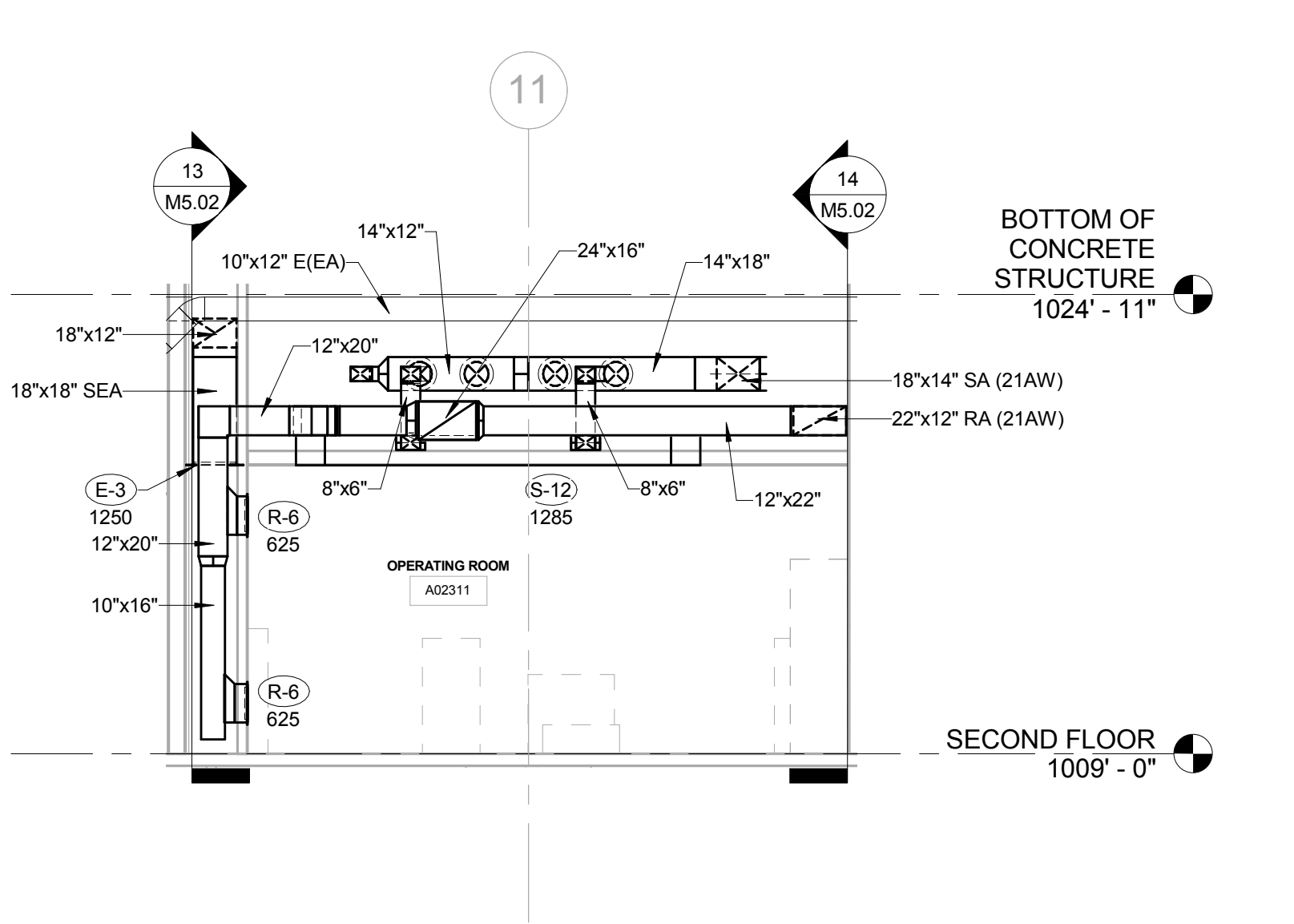
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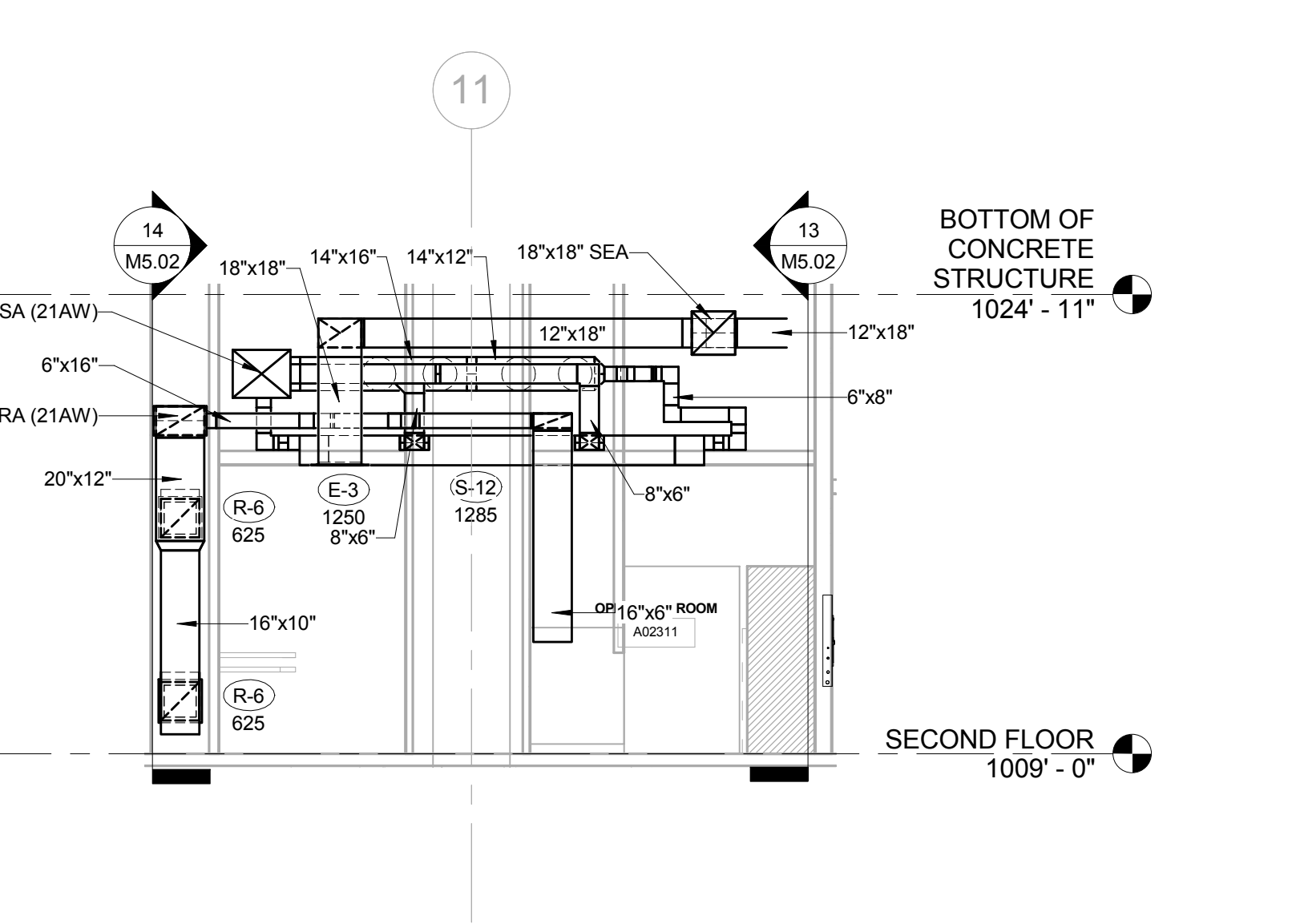
13 OPERATING ROOM A02311 SECTION VIEW 1
3/16" = 1'-0"



14 OPERATING ROOM A02311 SECTION VIEW 2
3/16" = 1'-0"



15 OPERATING ROOM A02311 SECTION VIEW 3
3/16" = 1'-0"



16 OPERATING ROOM A02311 SECTION VIEW 4
3/16" = 1'-0"

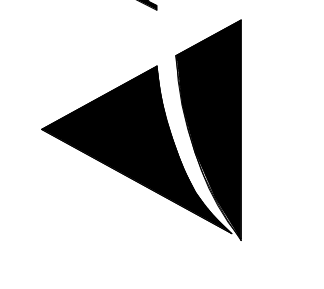
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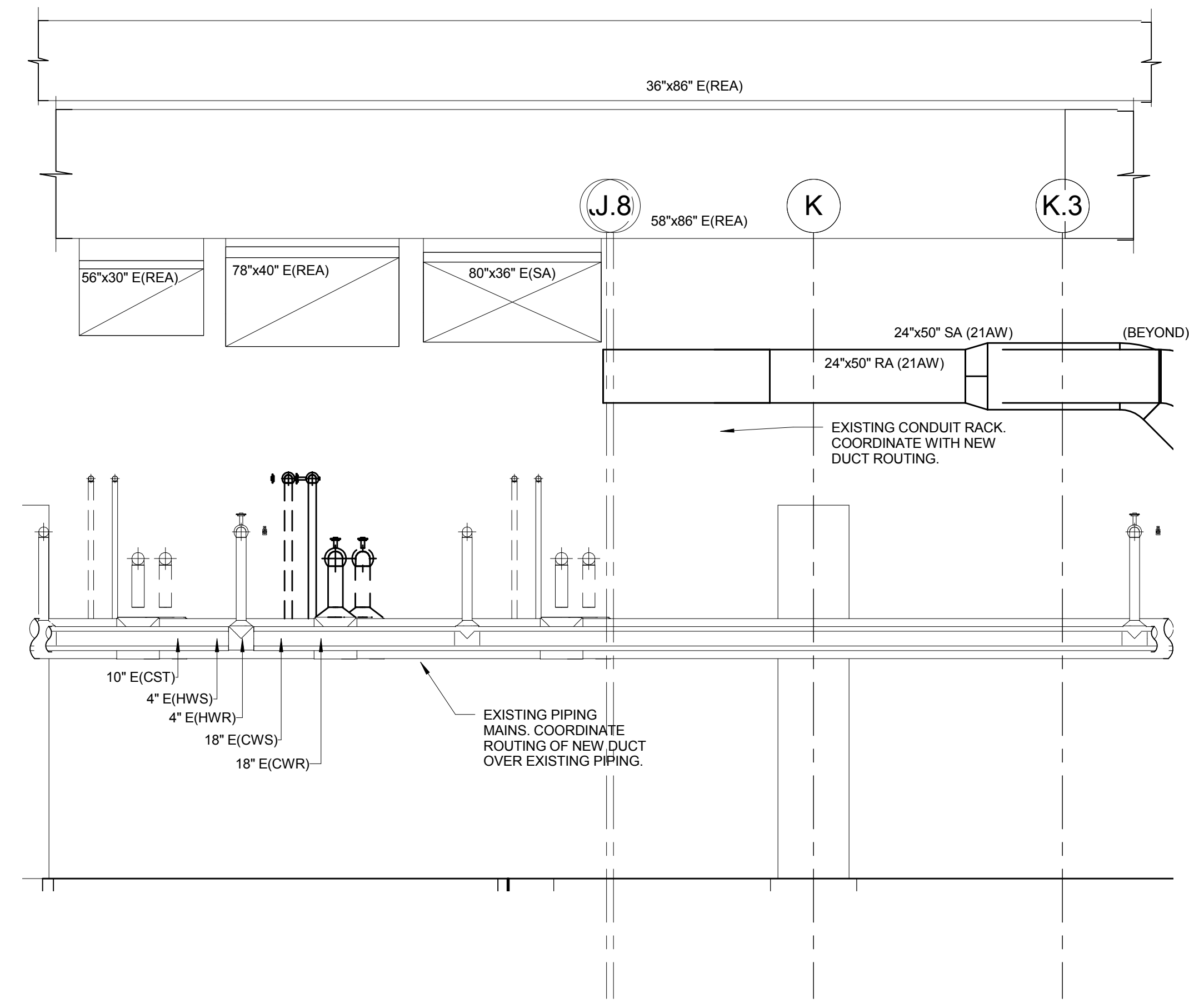
PAVILION A - SURGERY PHASE 1-3A
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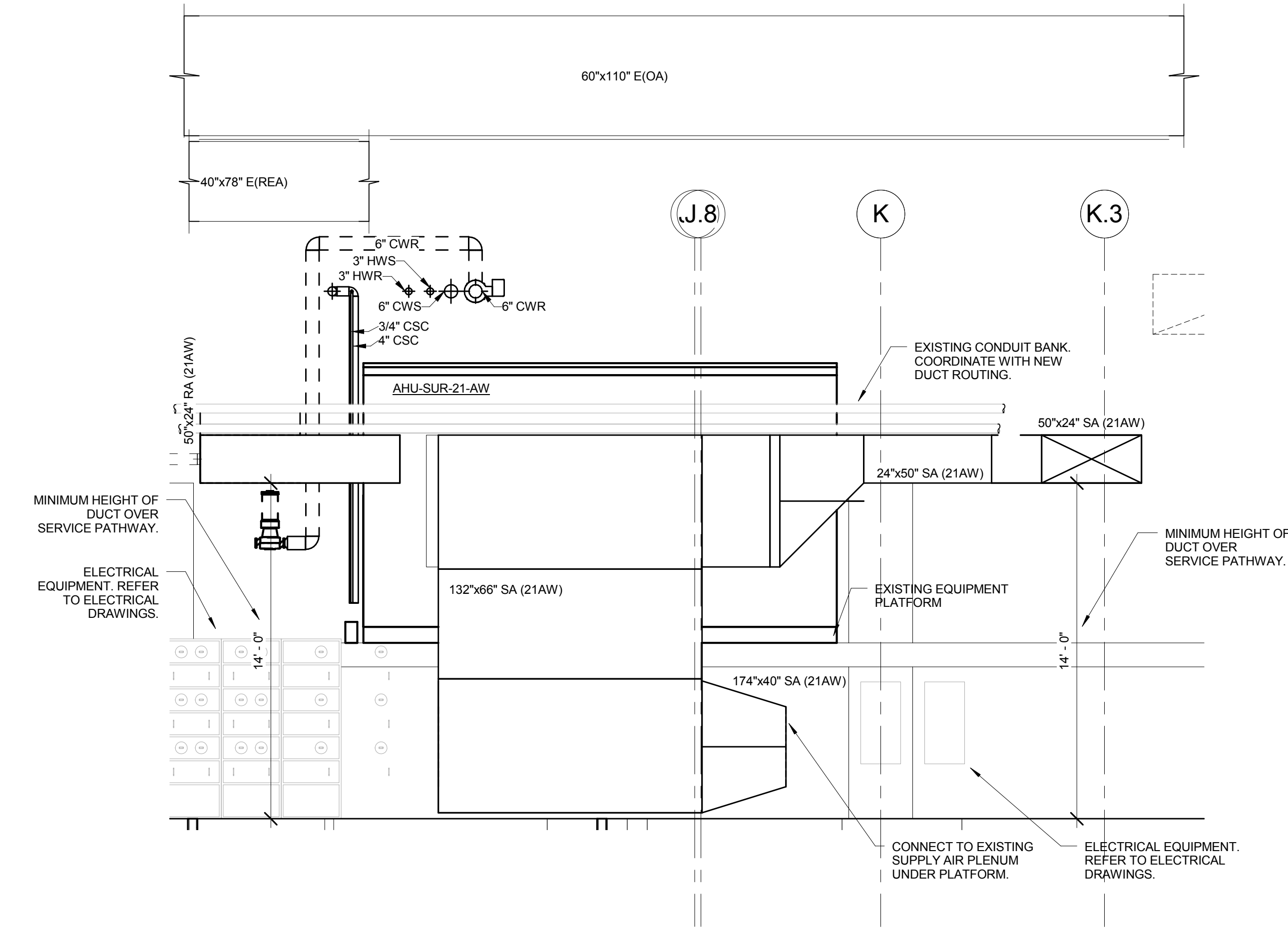


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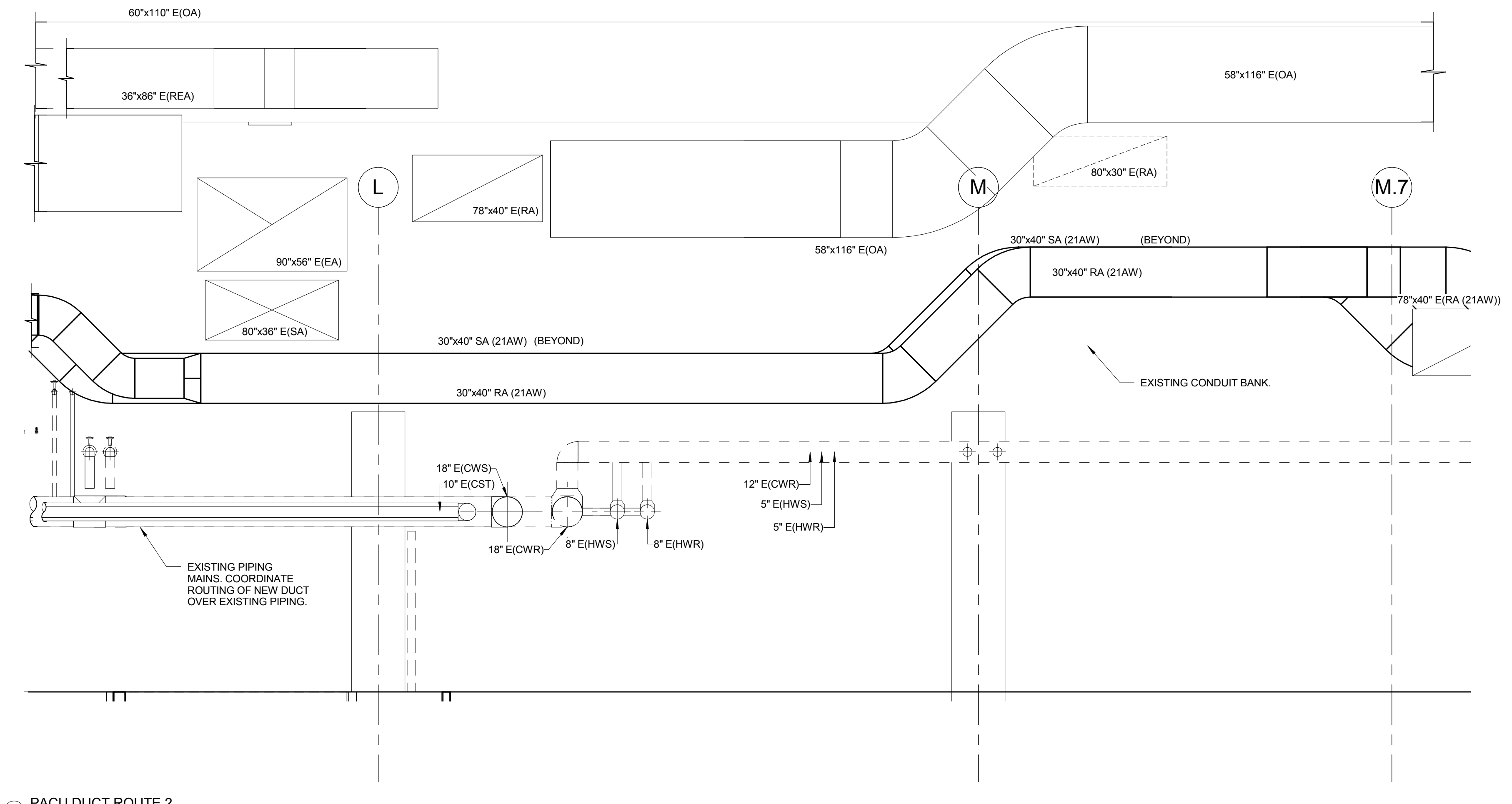
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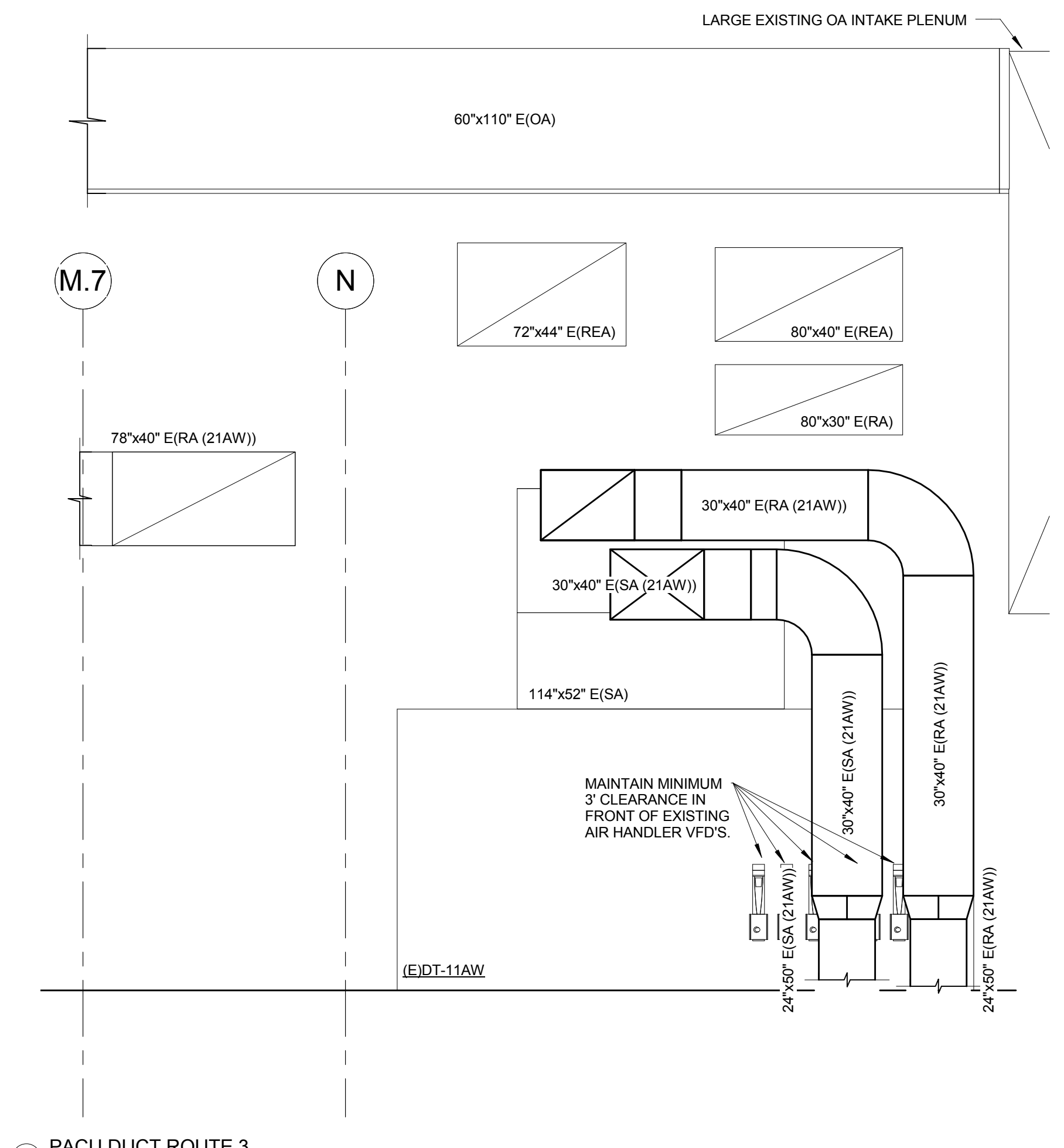
① PACU DUCT ROUTE 1
1/4" = 1'-0"



④ PACU DUCT ROUTE 4
1/4" = 1'-0"



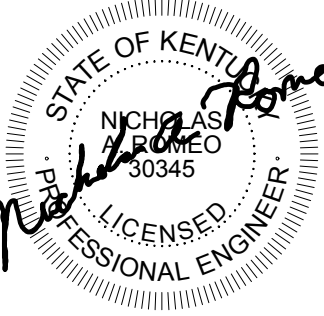
② PACU DUCT ROUTE 2
1/4" = 1'-0"



③ PACU DUCT ROUTE 3
1/4" = 1'-0"

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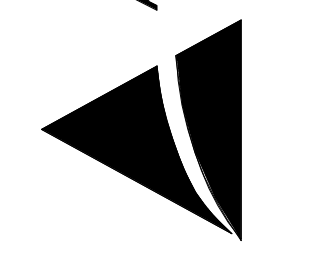
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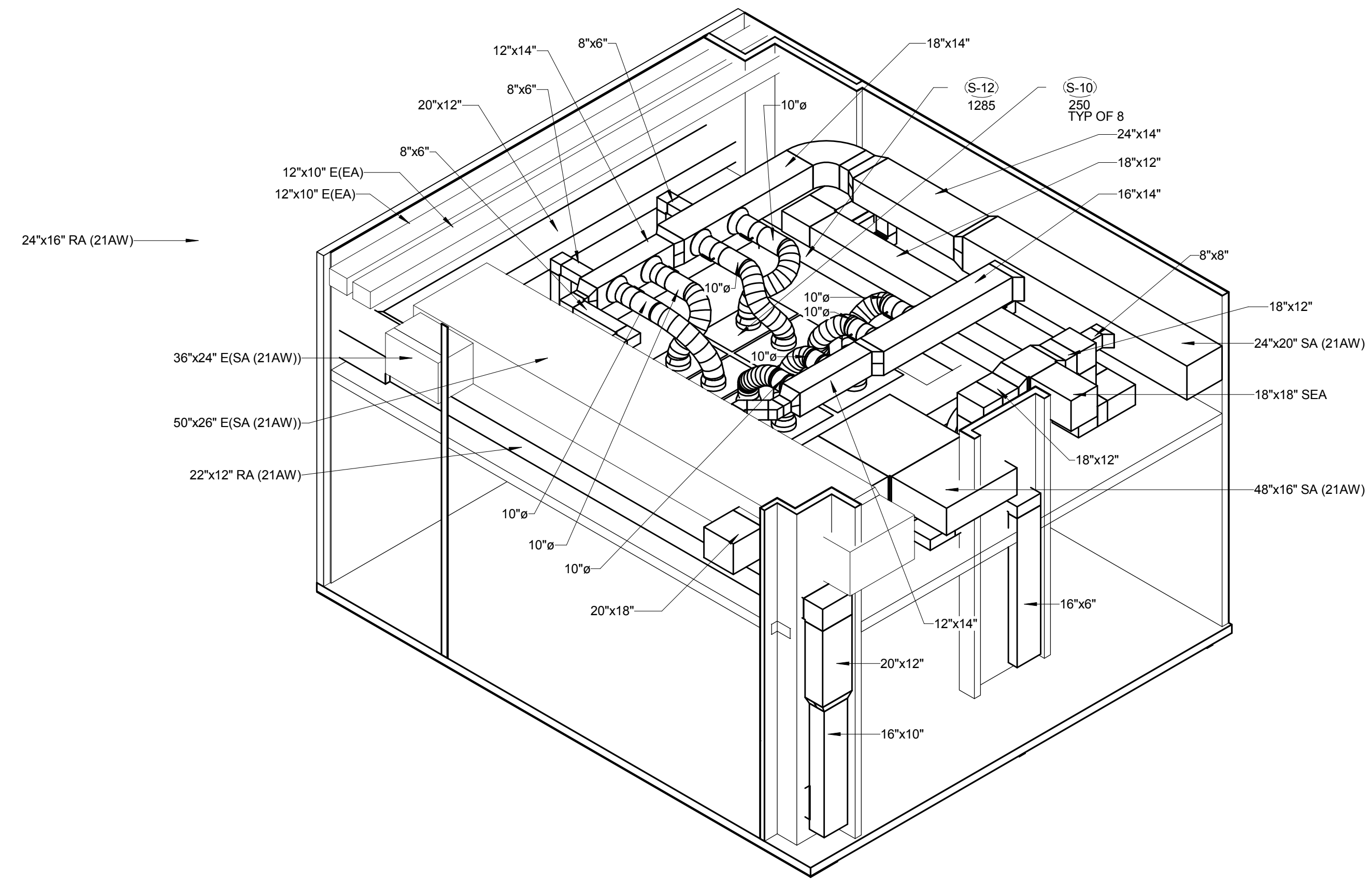
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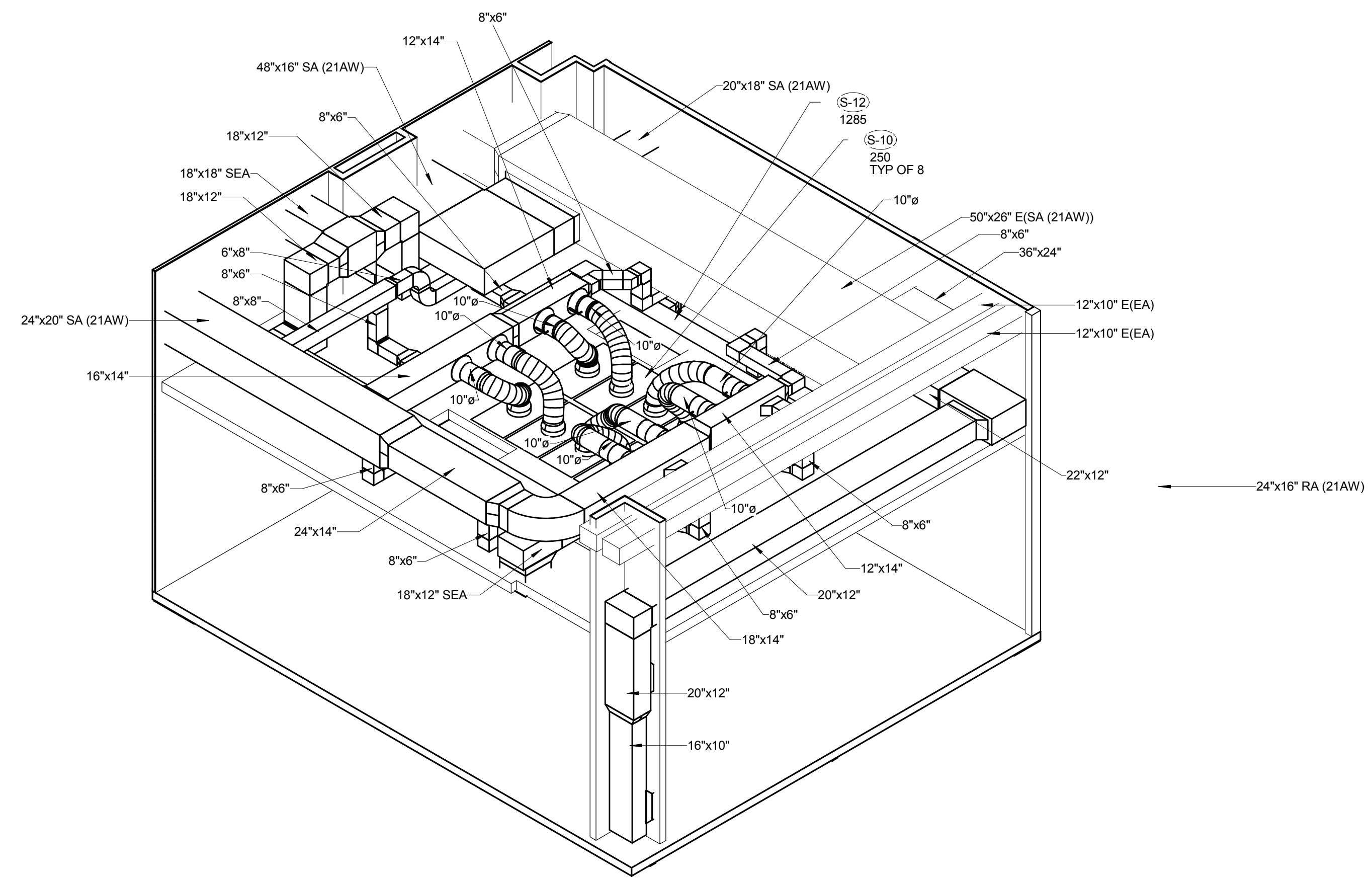


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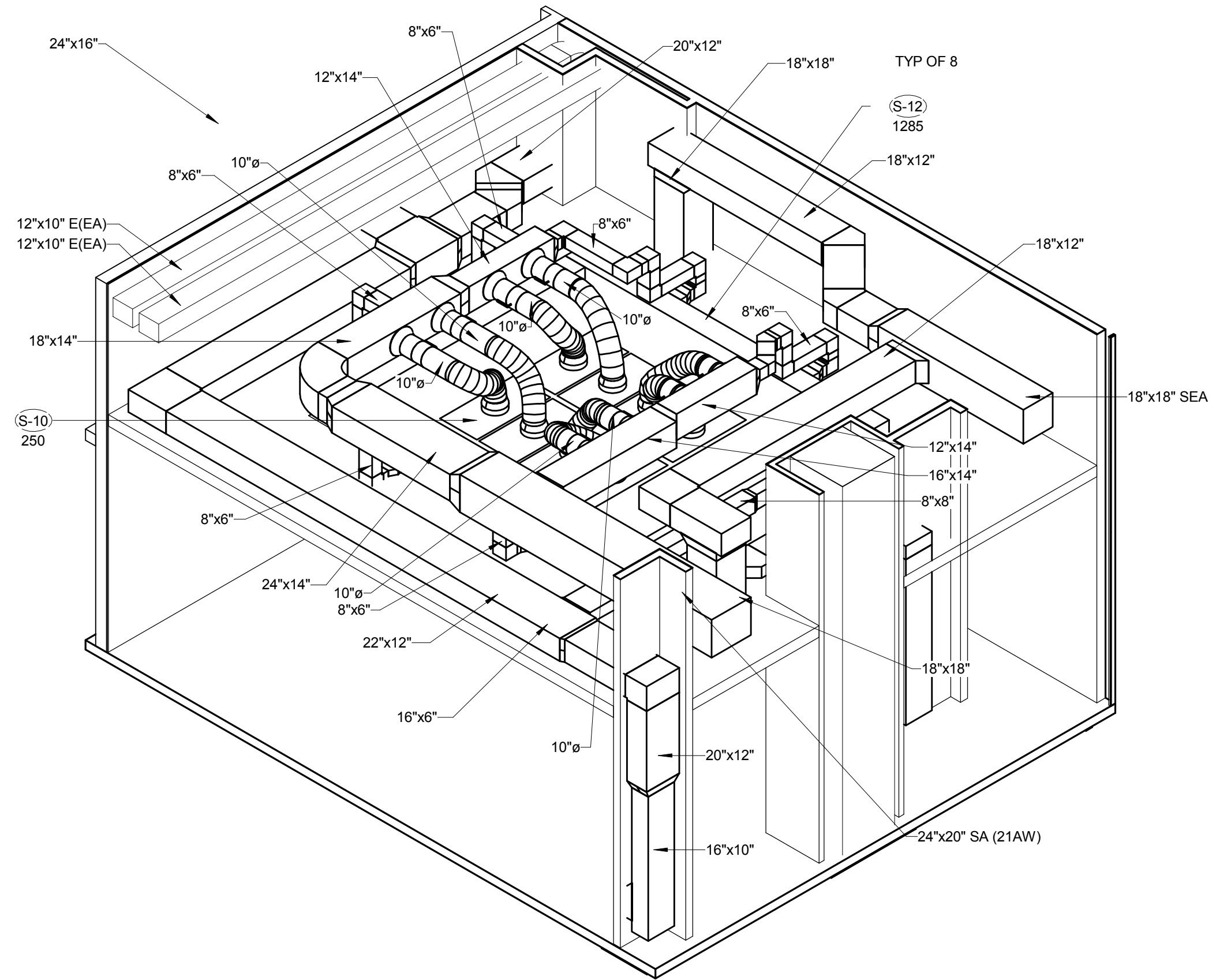
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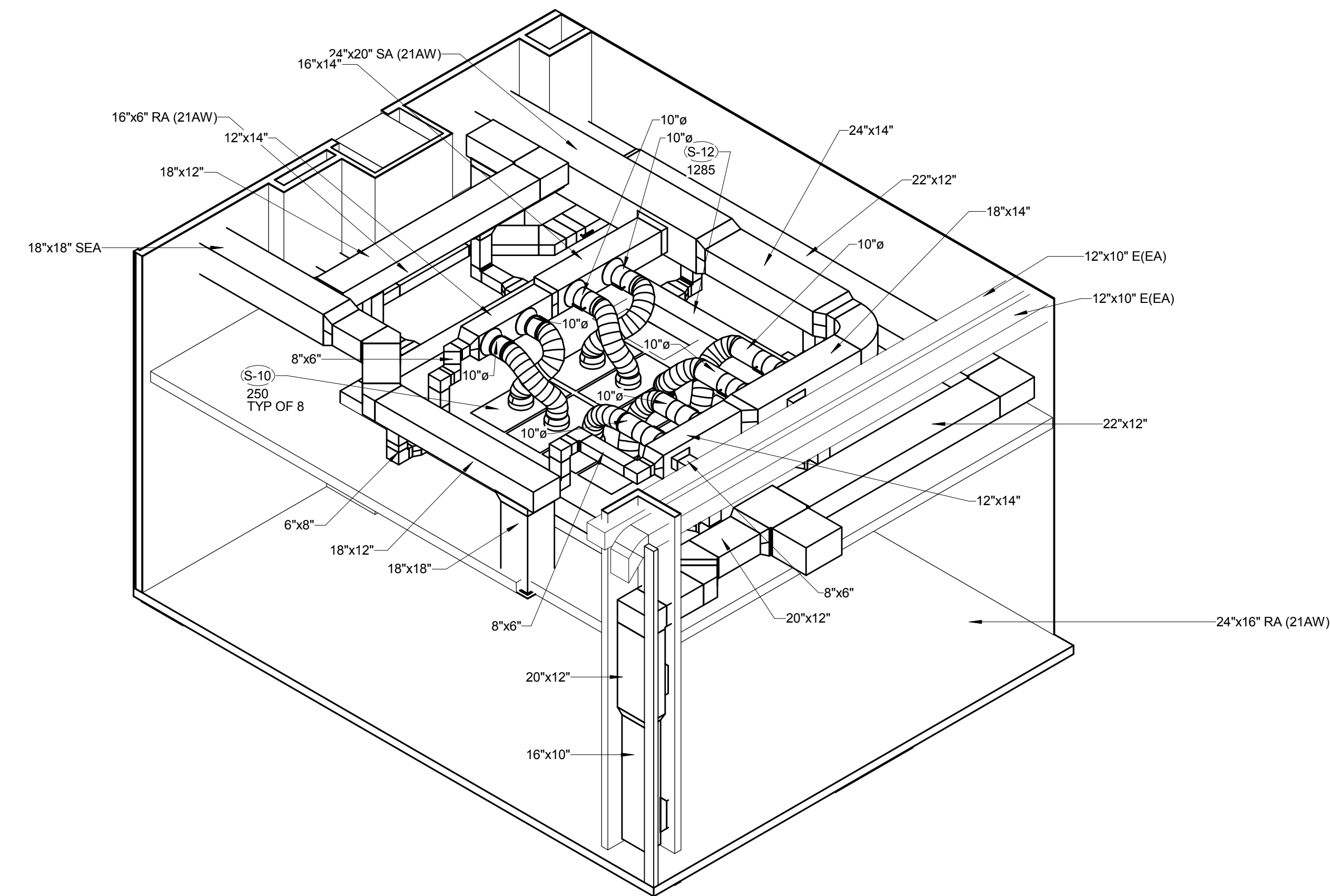
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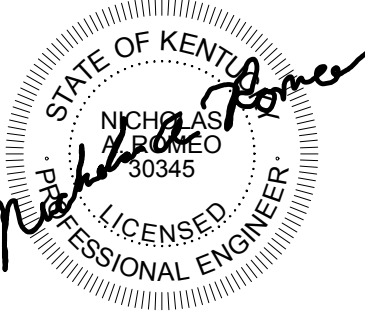


3 OPERATING ROOM A02311 ISOMETRIC VIEW 1



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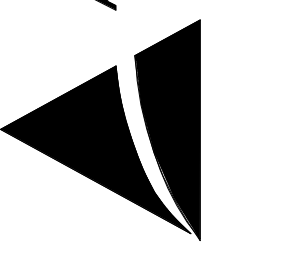
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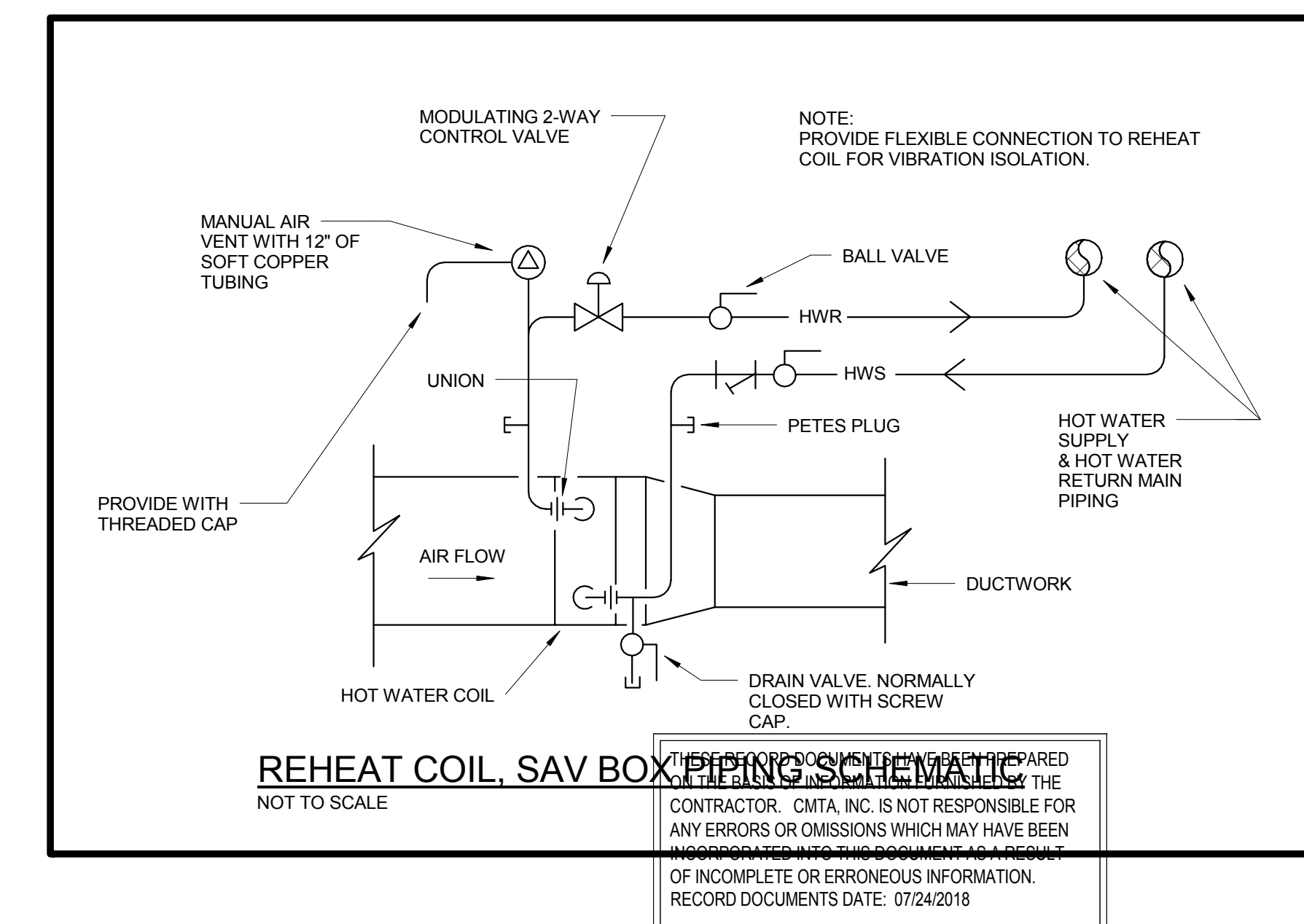
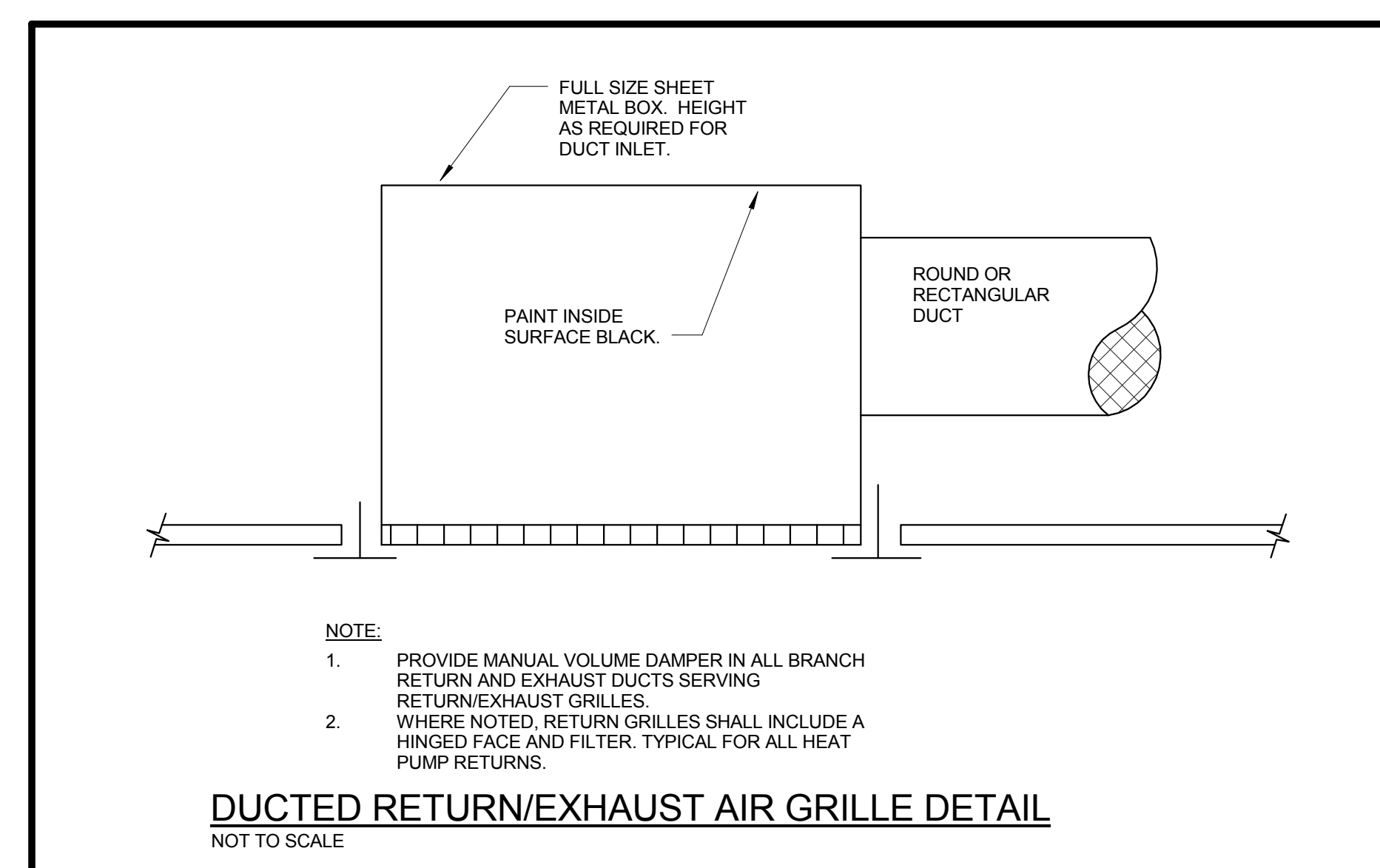
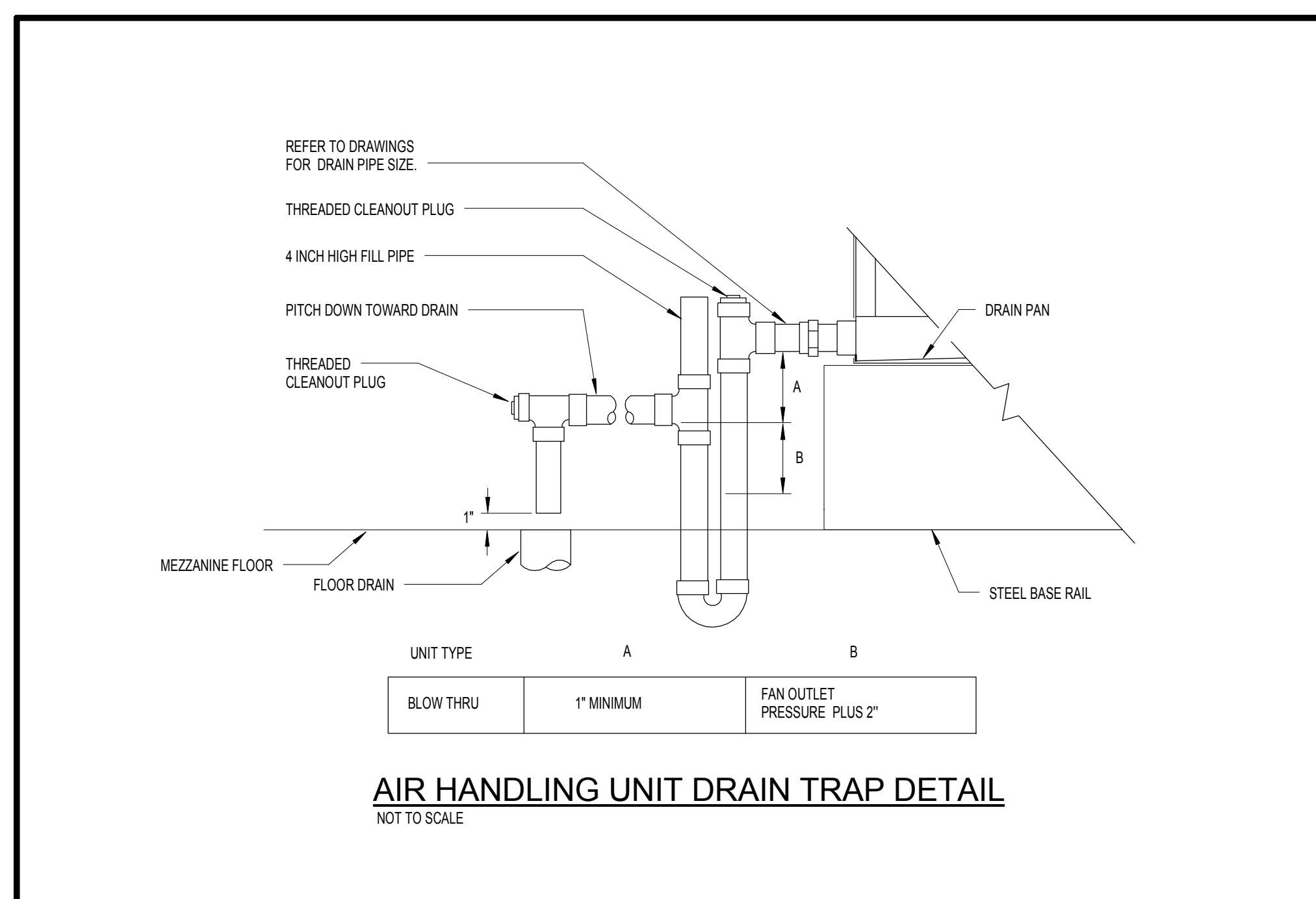
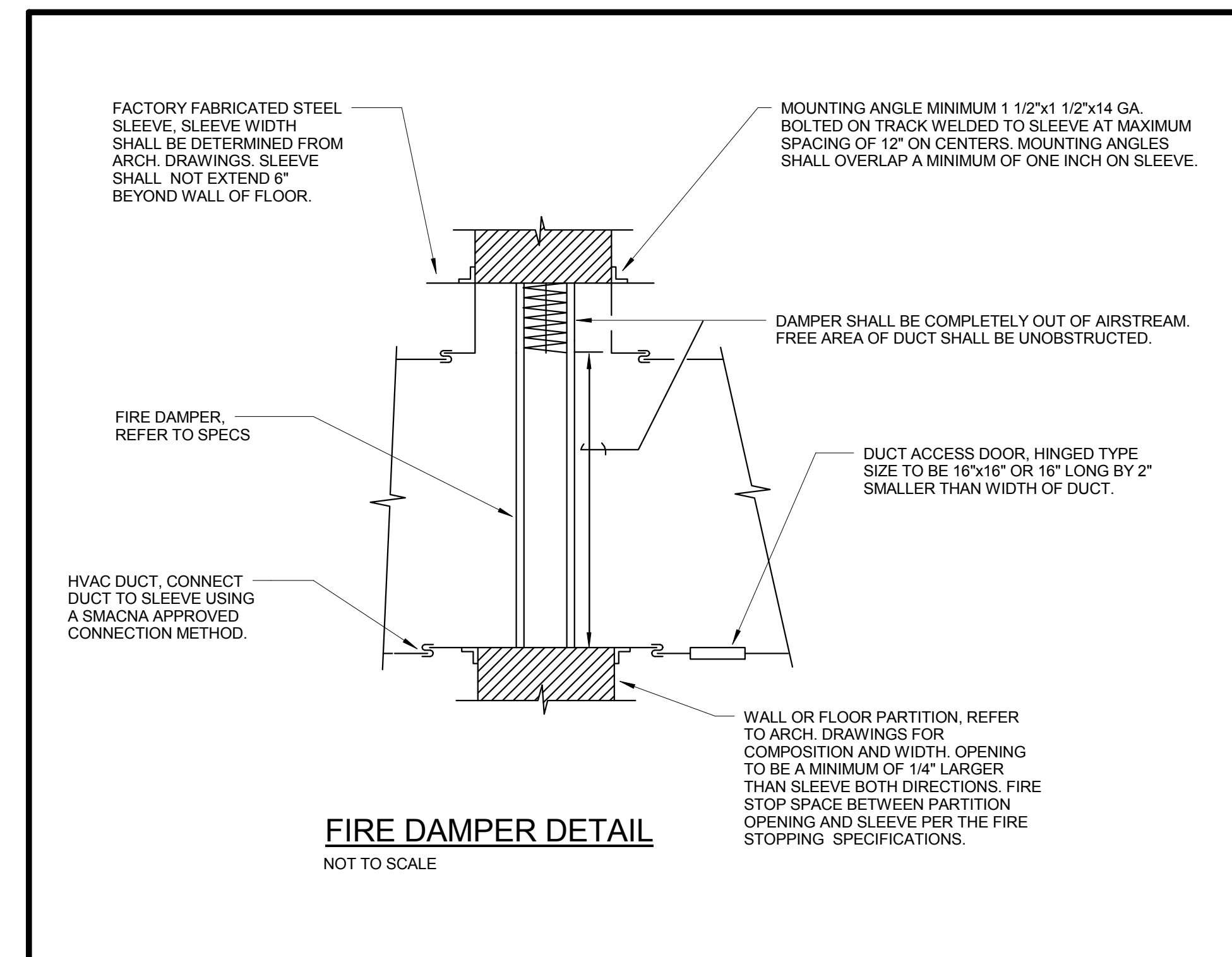
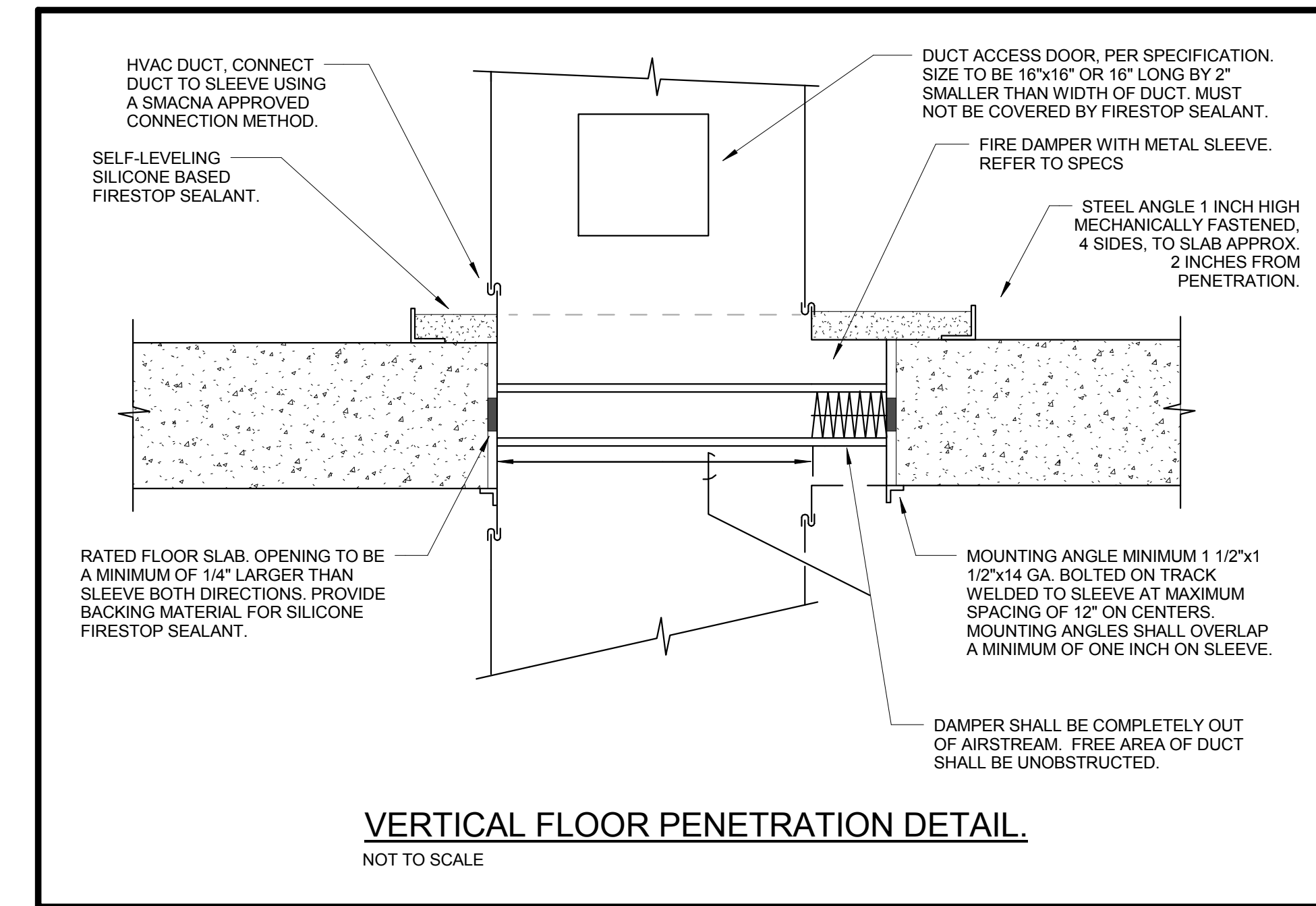
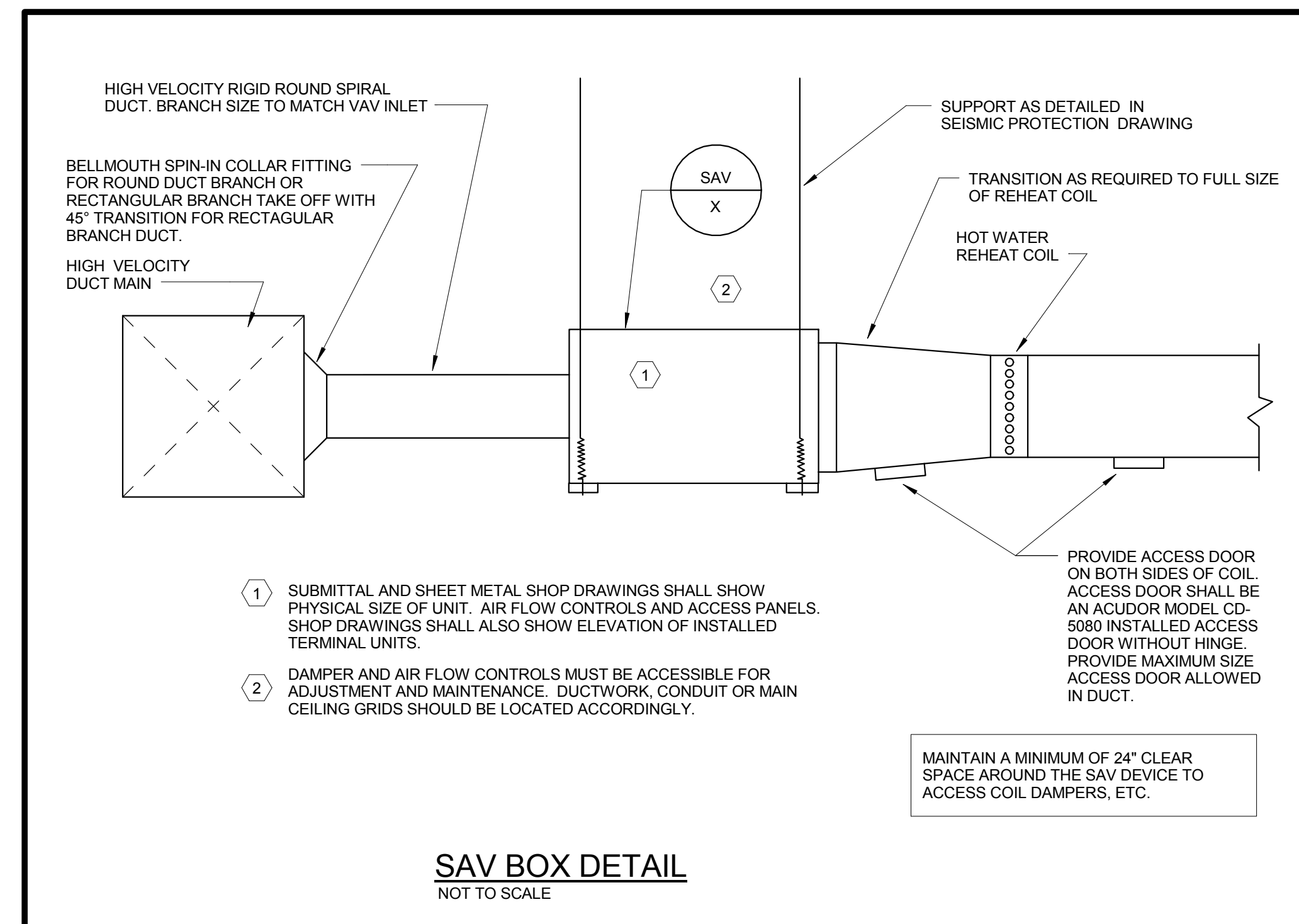
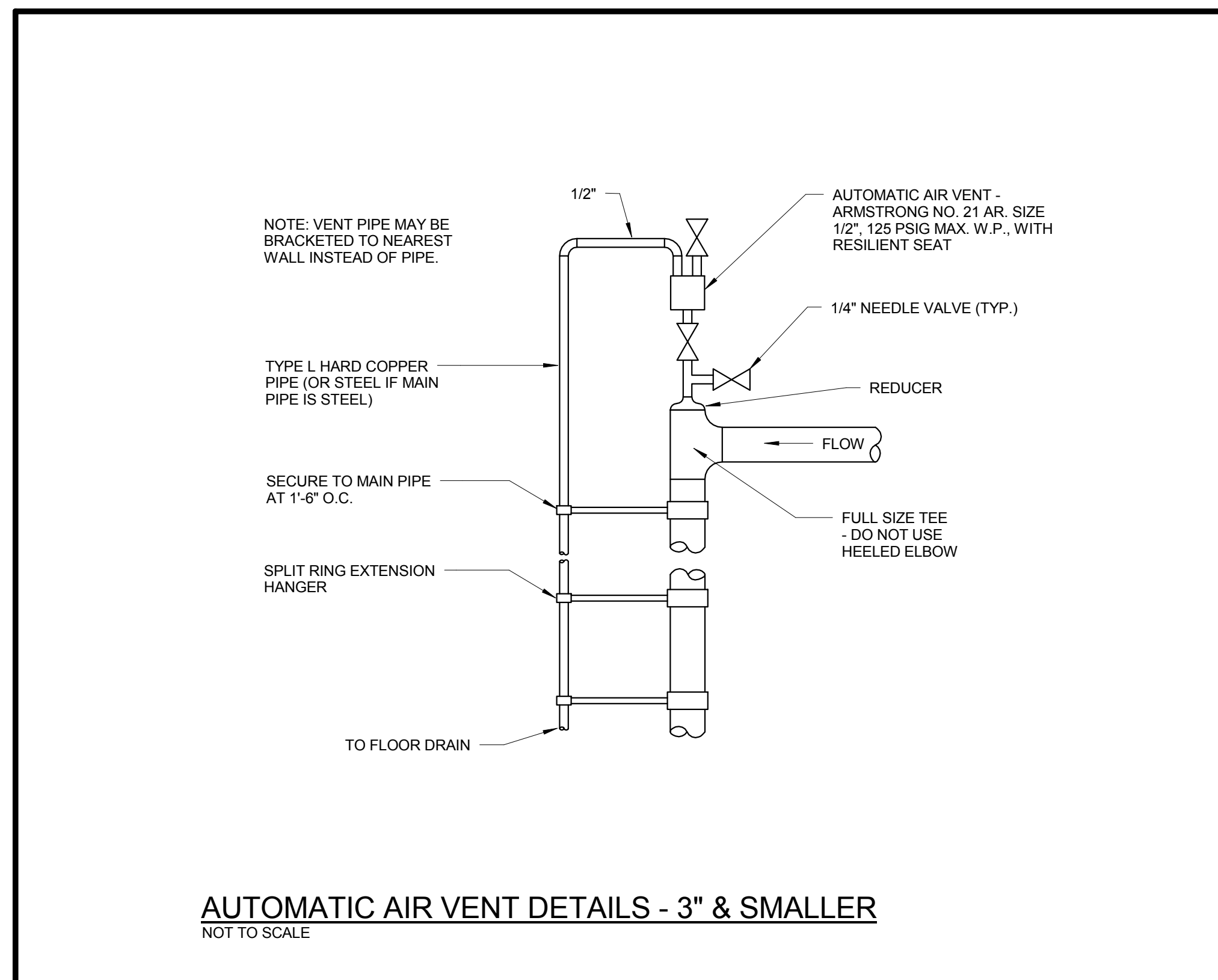
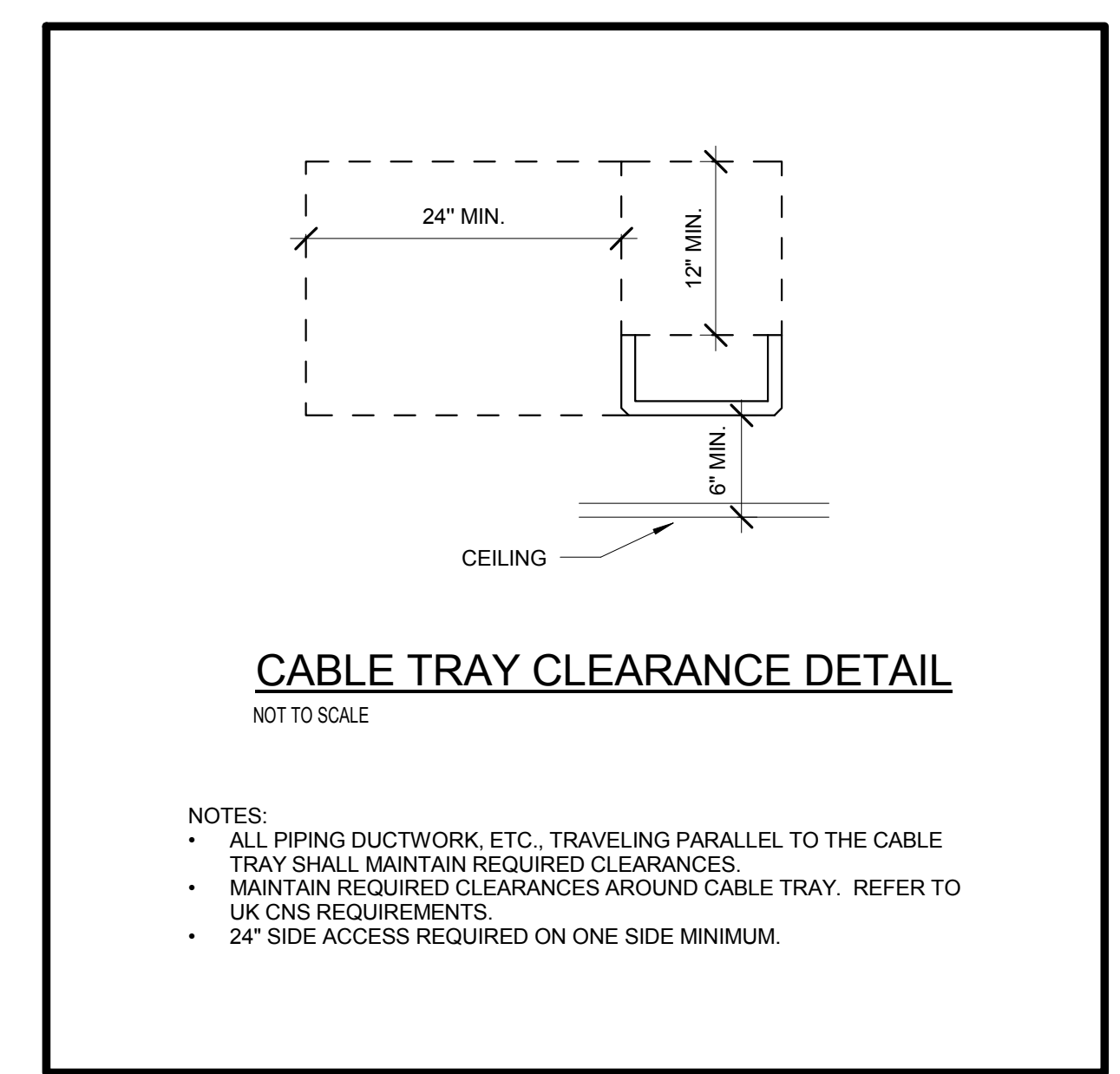
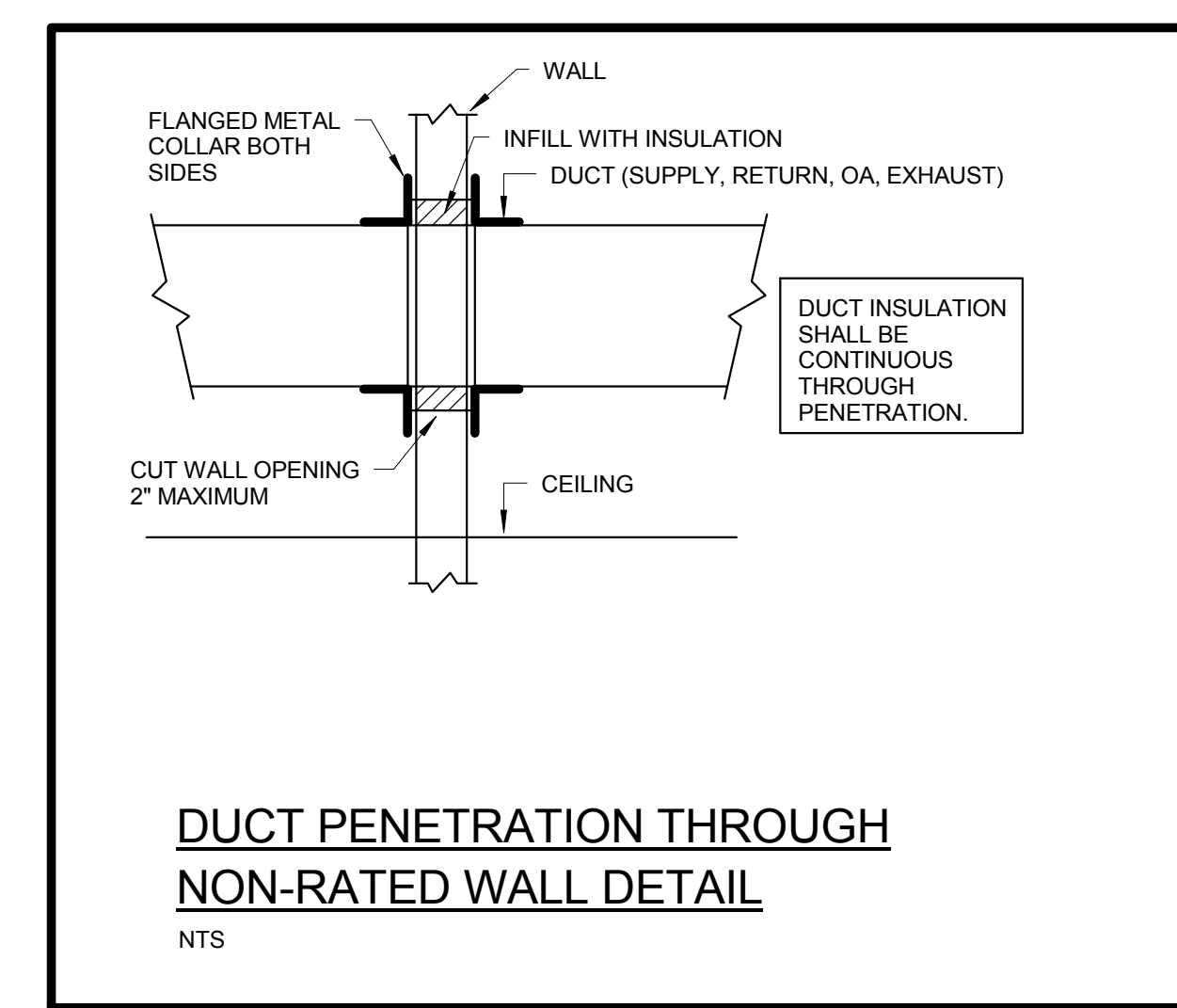
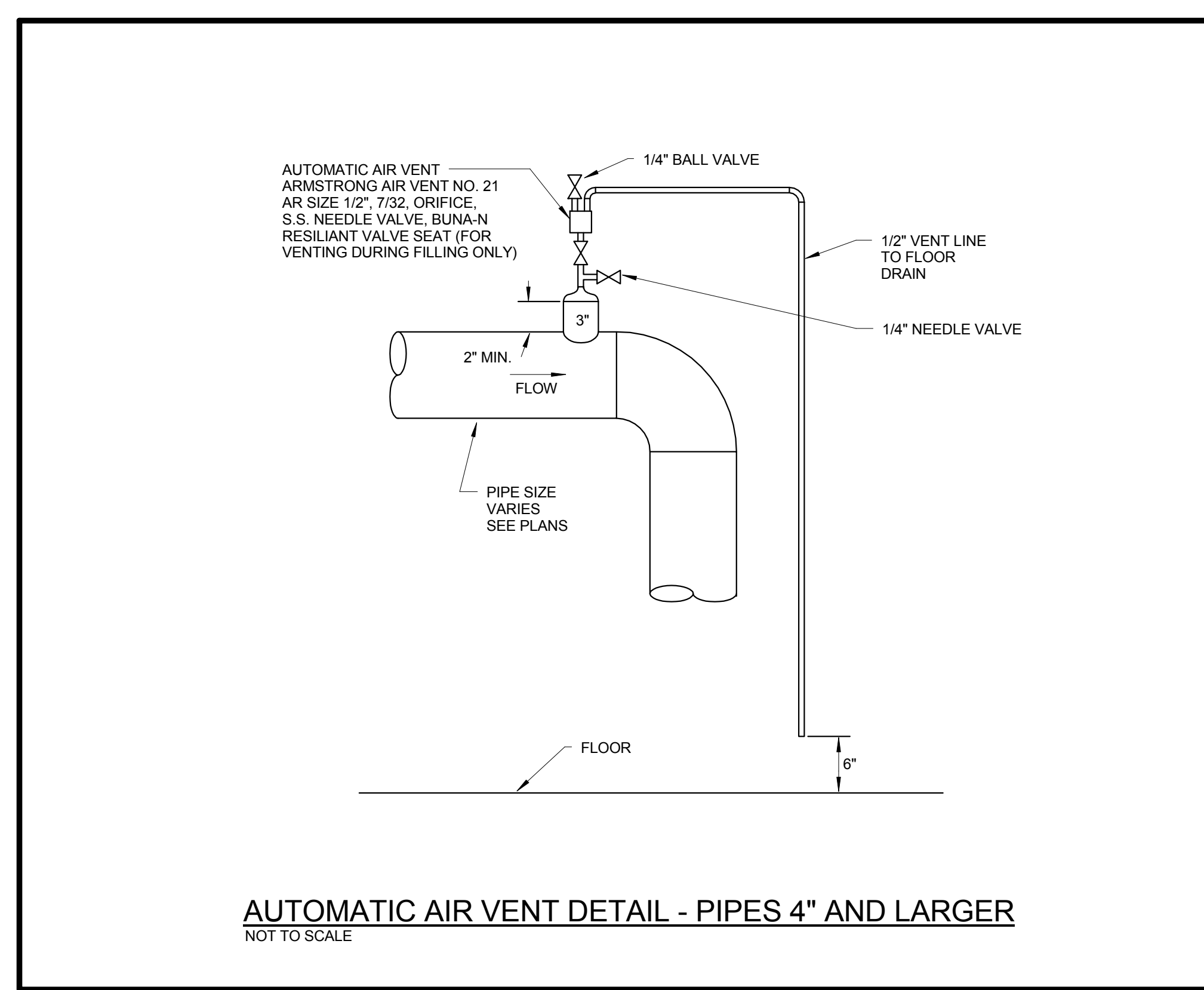
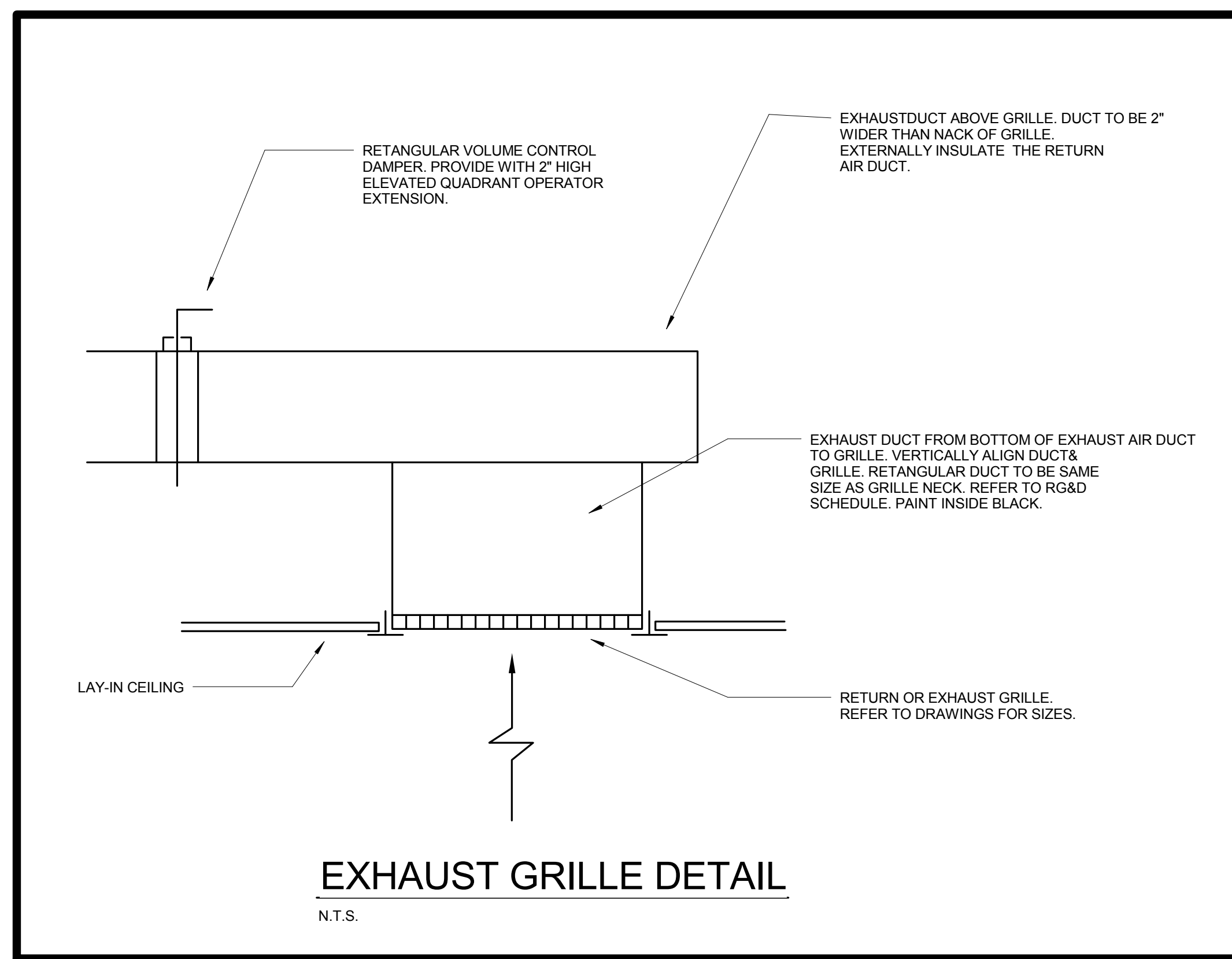
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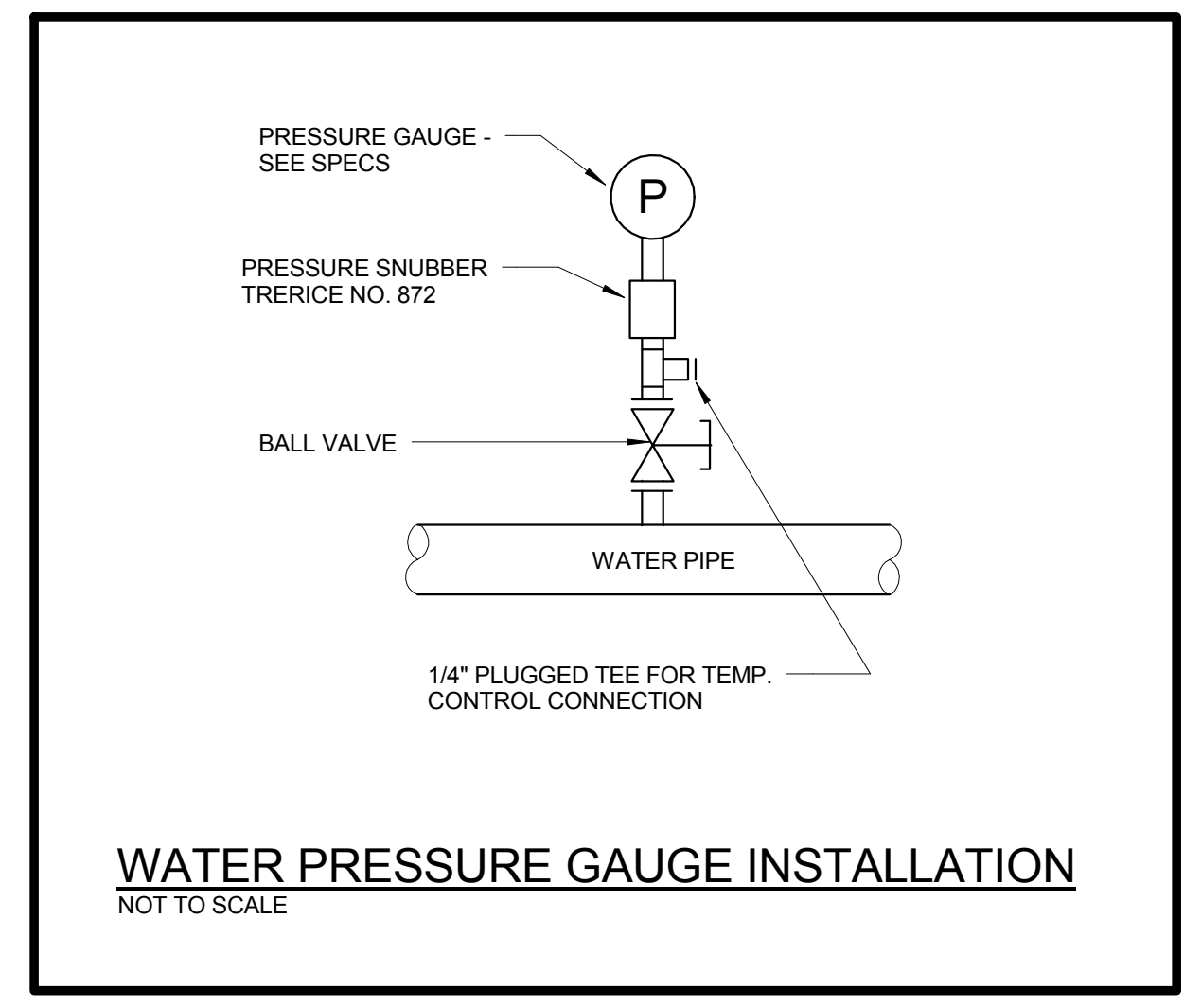
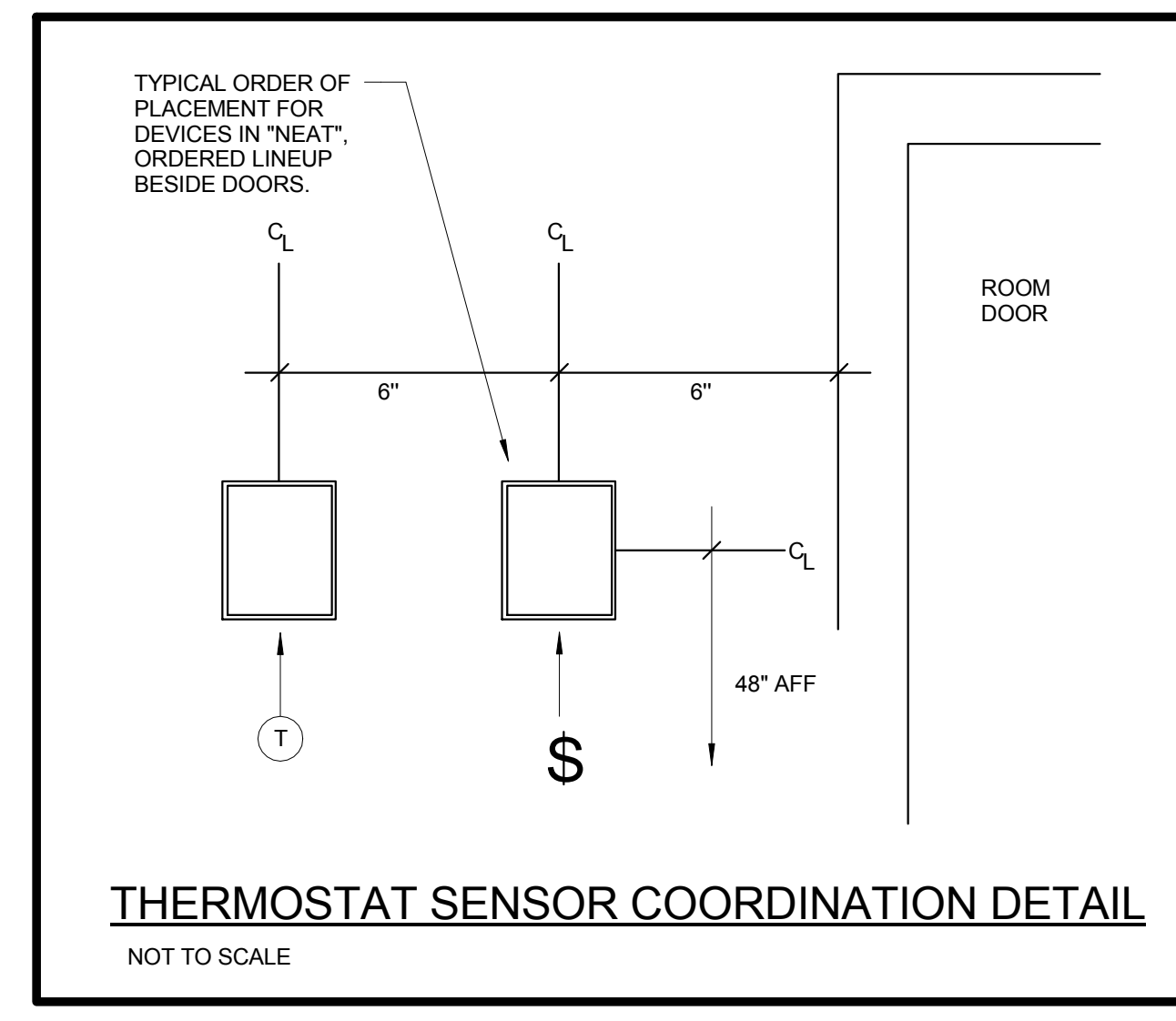
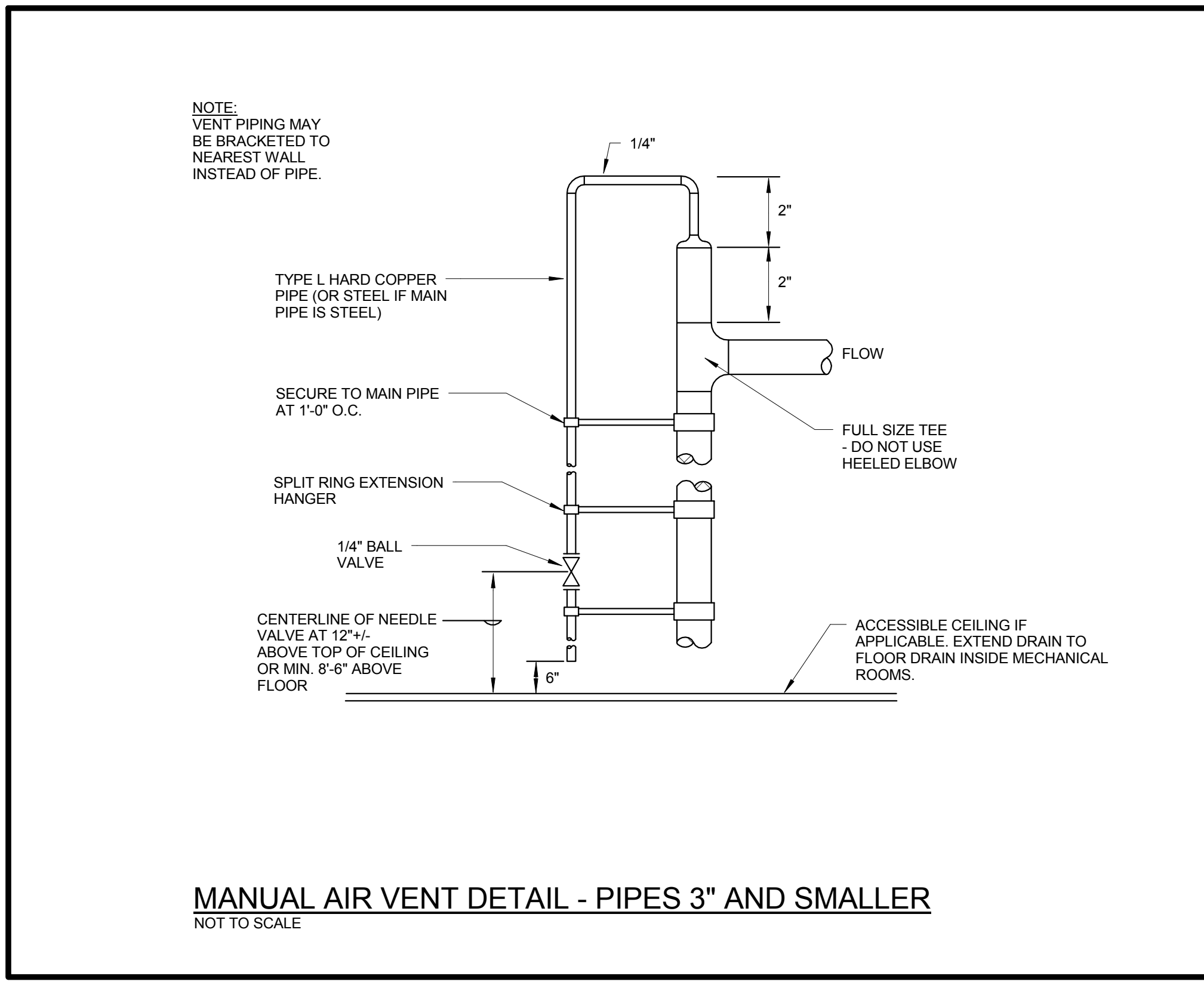
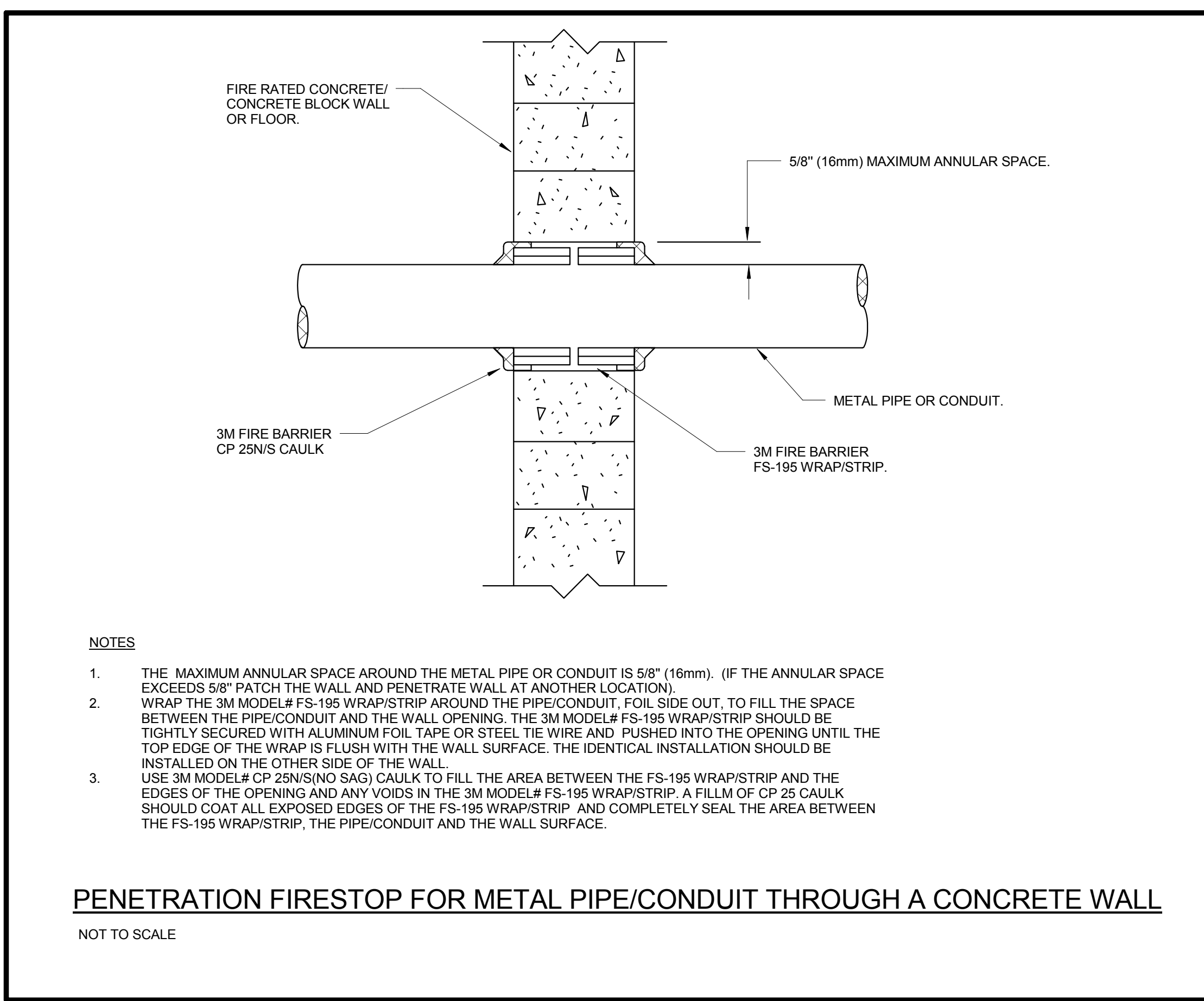
**MECHANICAL
ISOMETRIC
VIEWS**

M6.03

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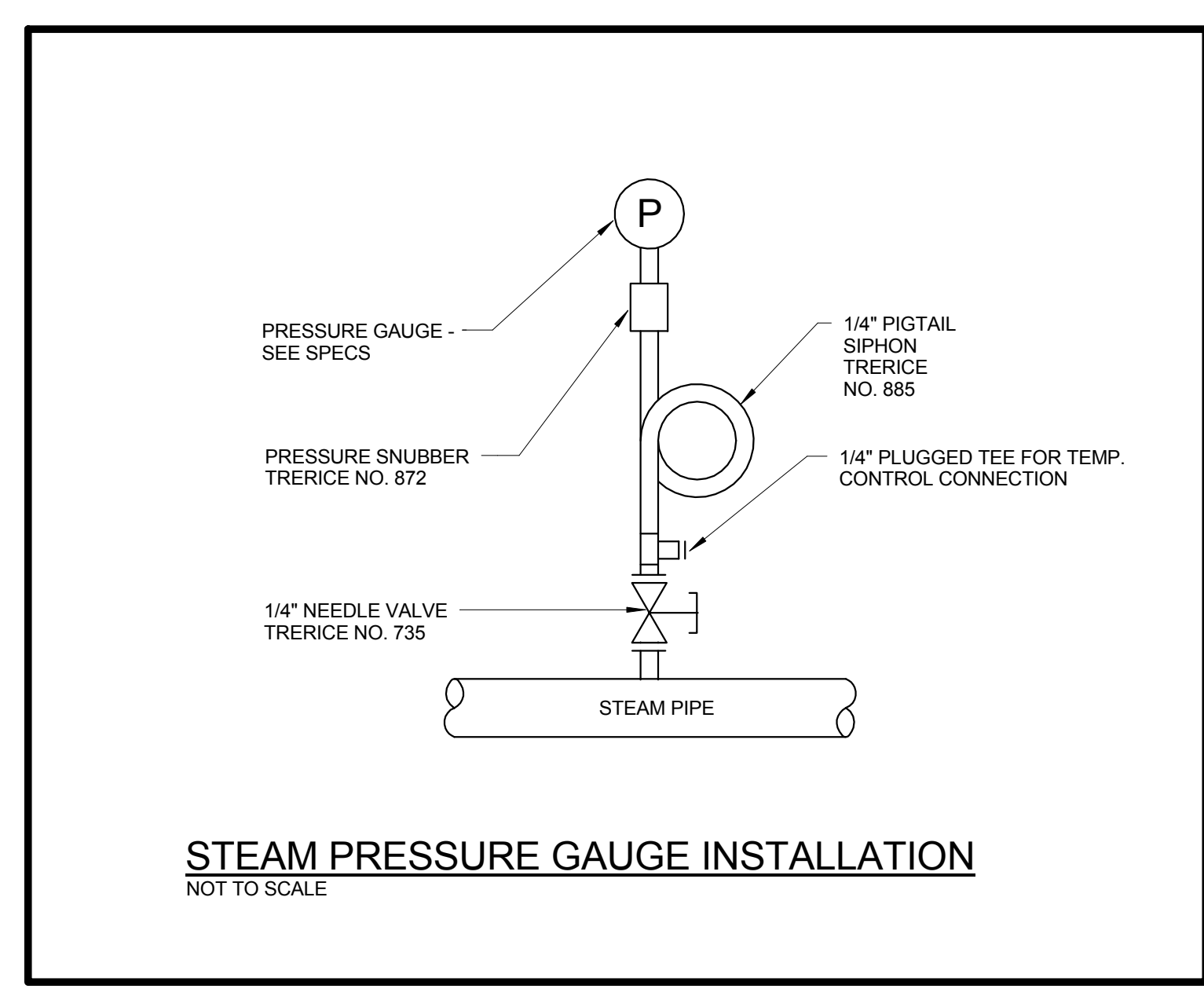
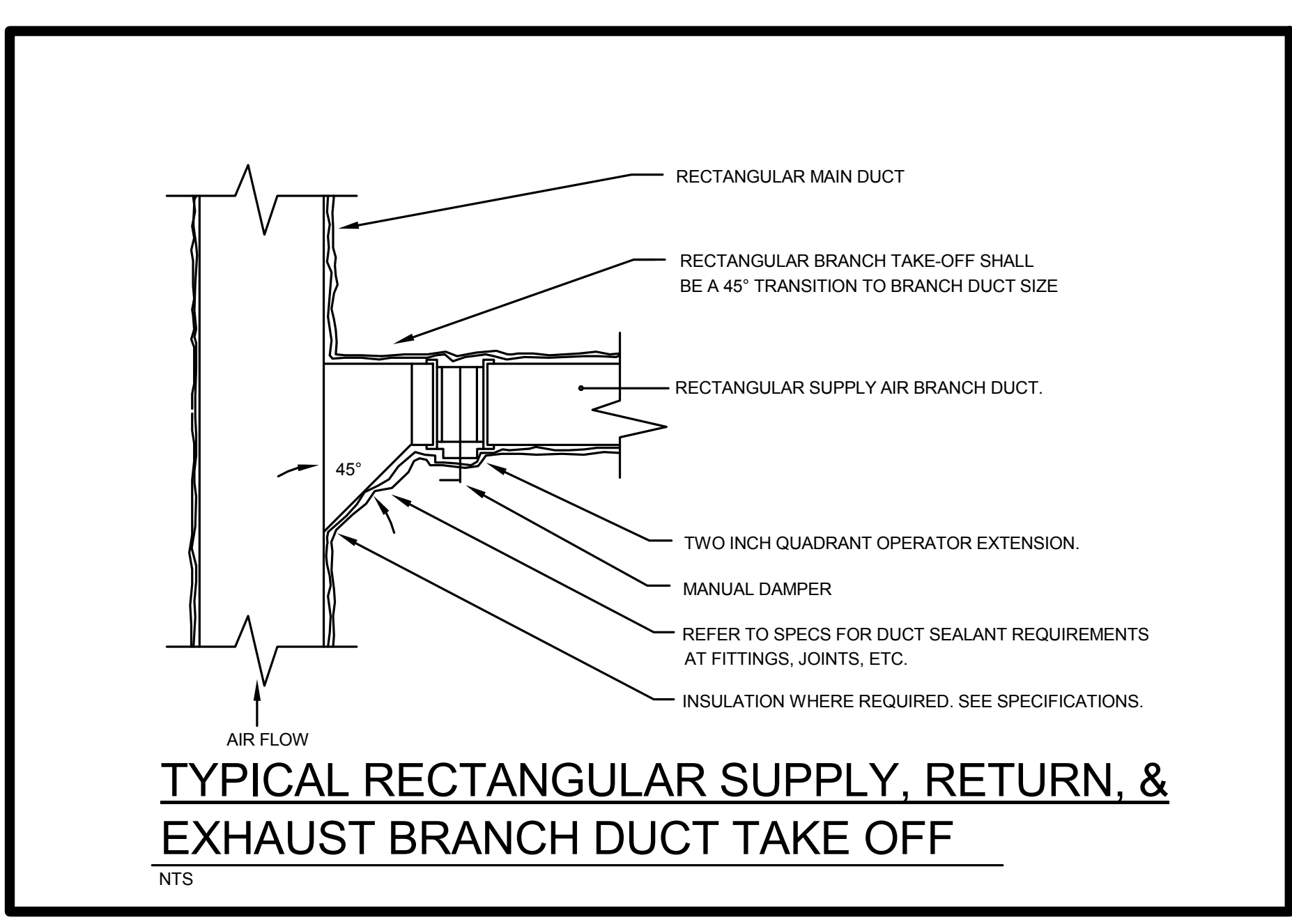
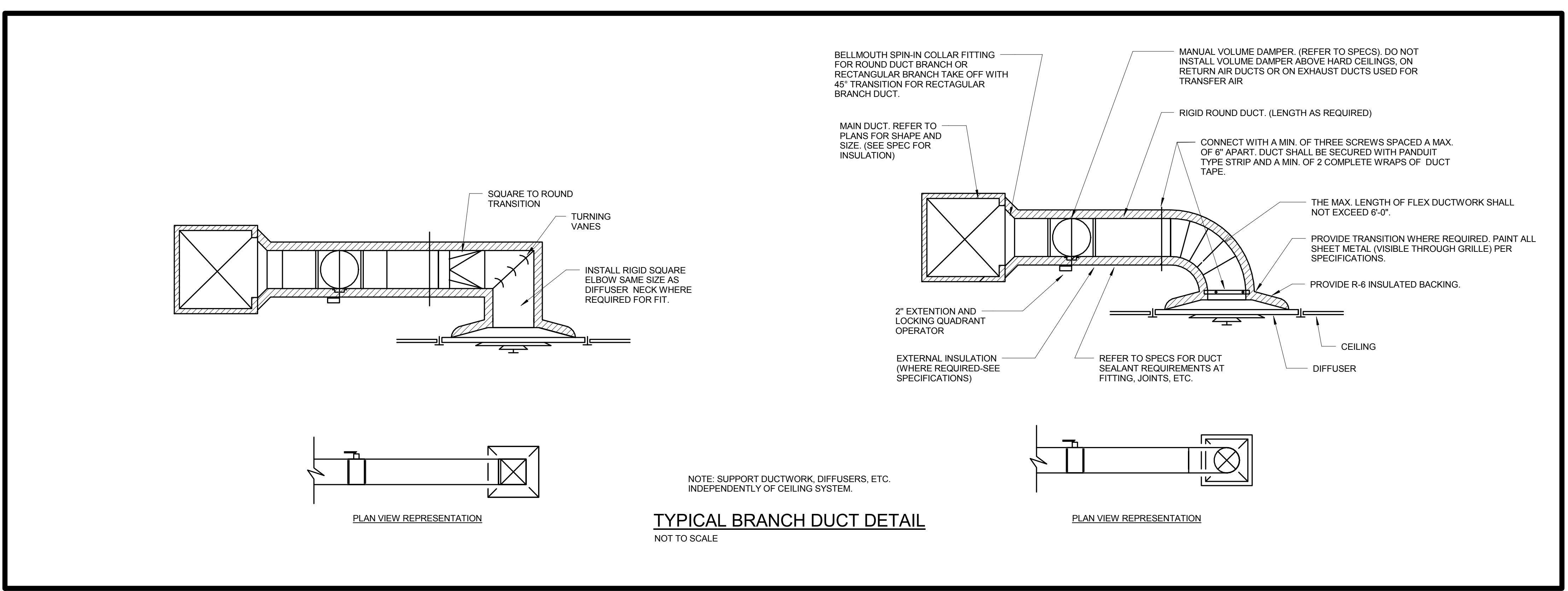
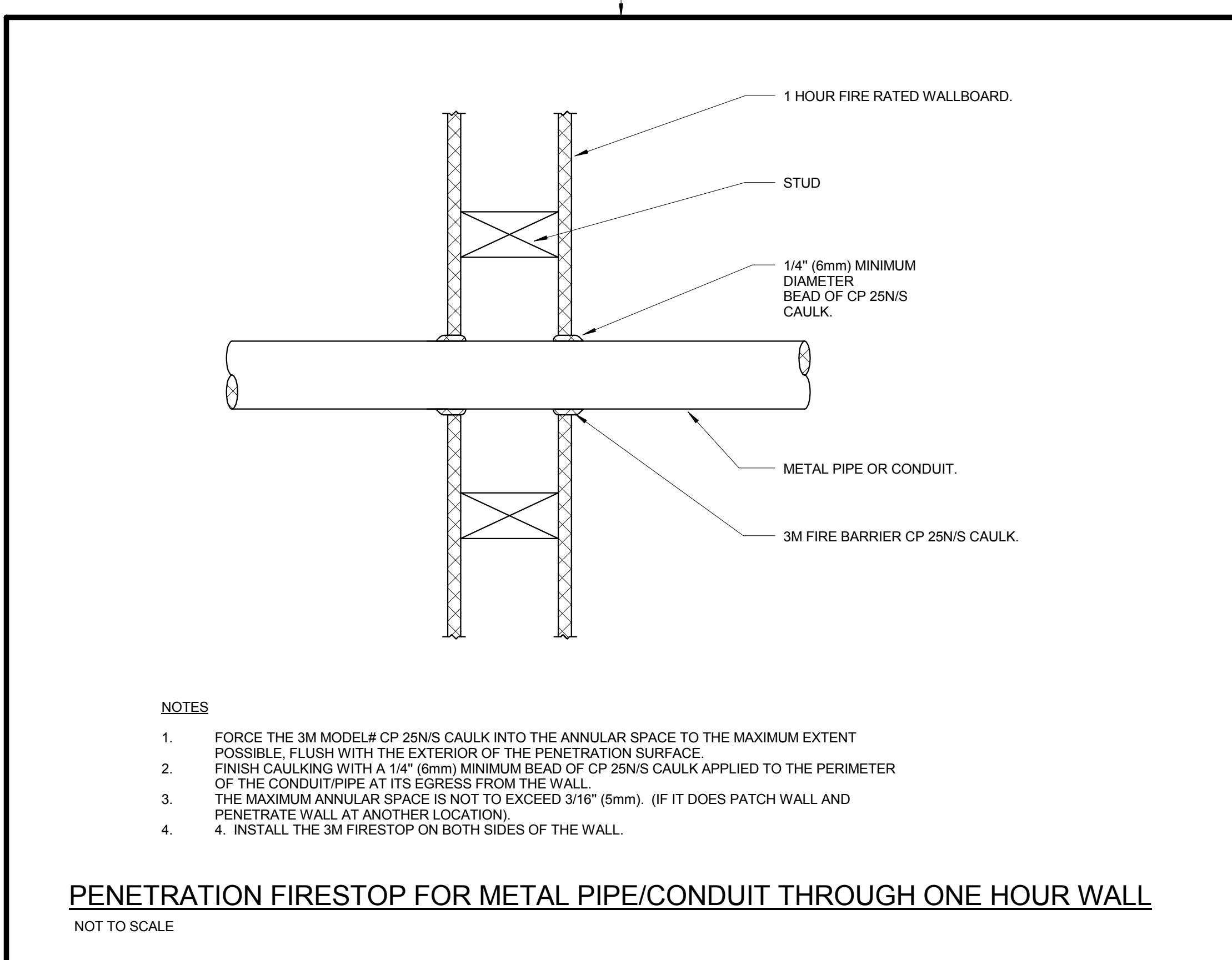


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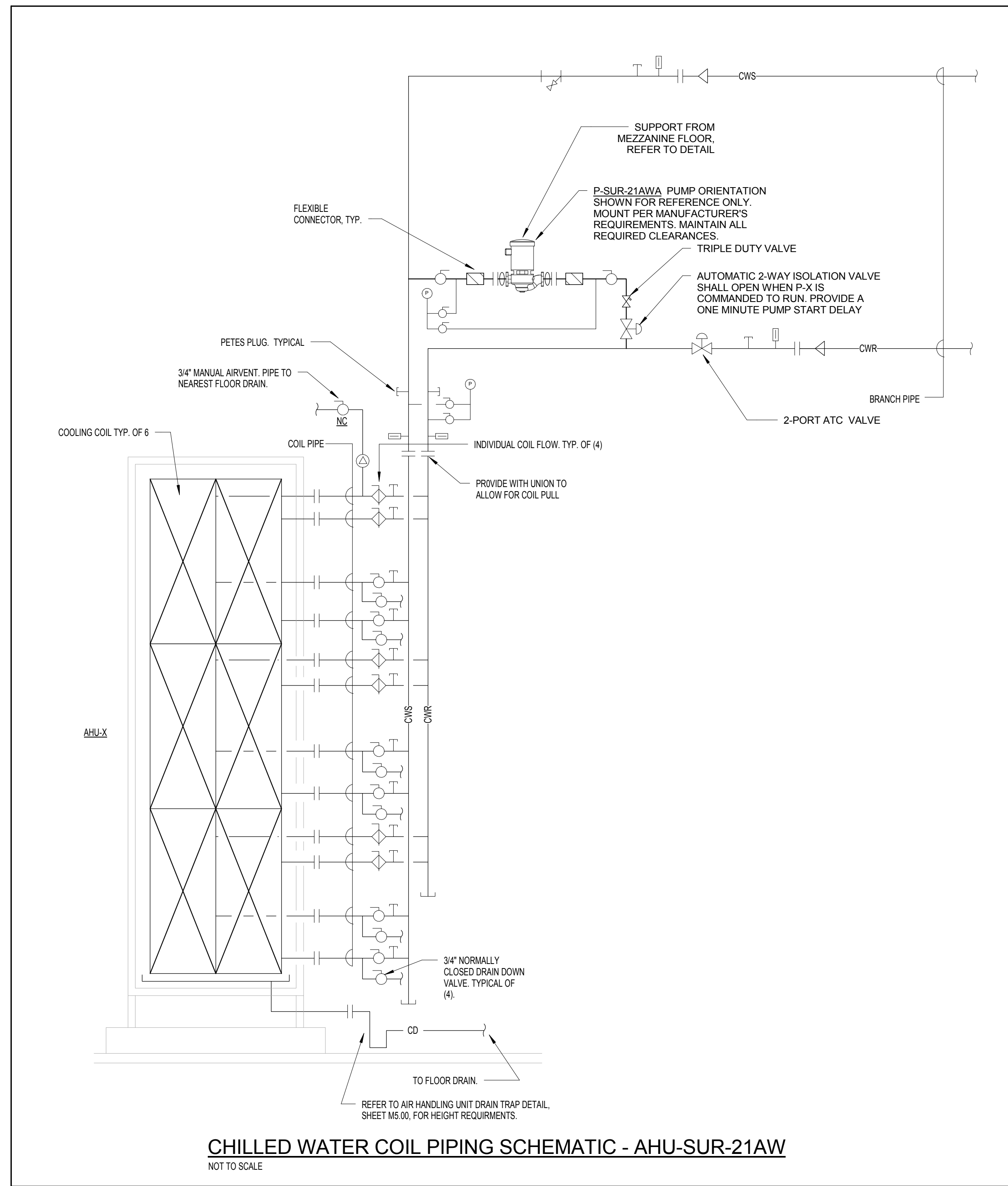


FIRE STOPPING NOTES:

1. FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRE STOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS.
2. A FOUR HOUR TRAINING SESSION SHALL BE CONDUCTED BY MANUFACTURER OF THE FIRE STOPPING MATERIAL. THIS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE MATERIAL. CONTACT ENGINEER TO ADVISE OF THE DATE AND TIME OF THIS MEETING.
3. ALL PENETRATIONS WILL BE REVIEWED BY THE ENGINEER PRIOR TO INSPECTION ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

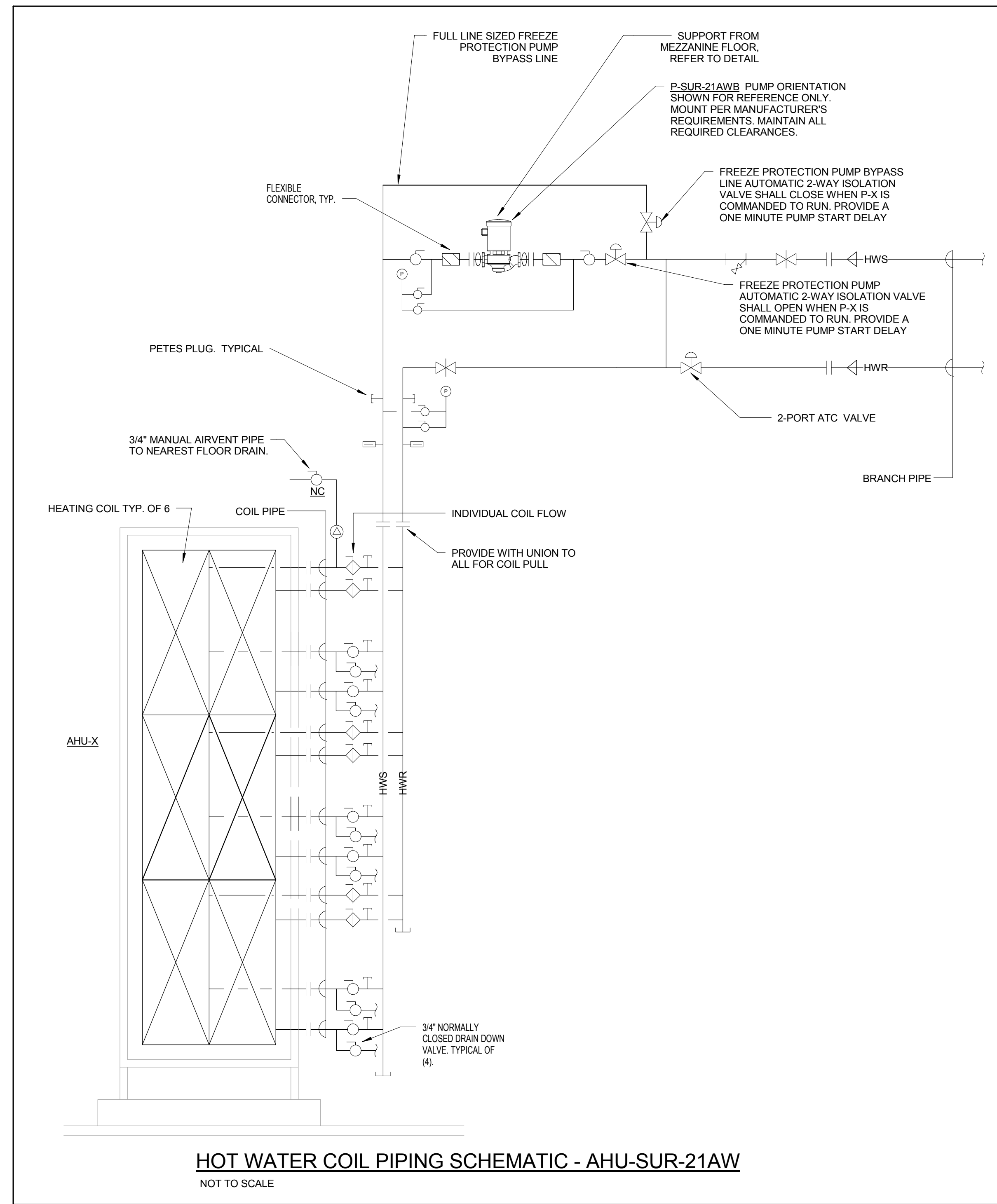


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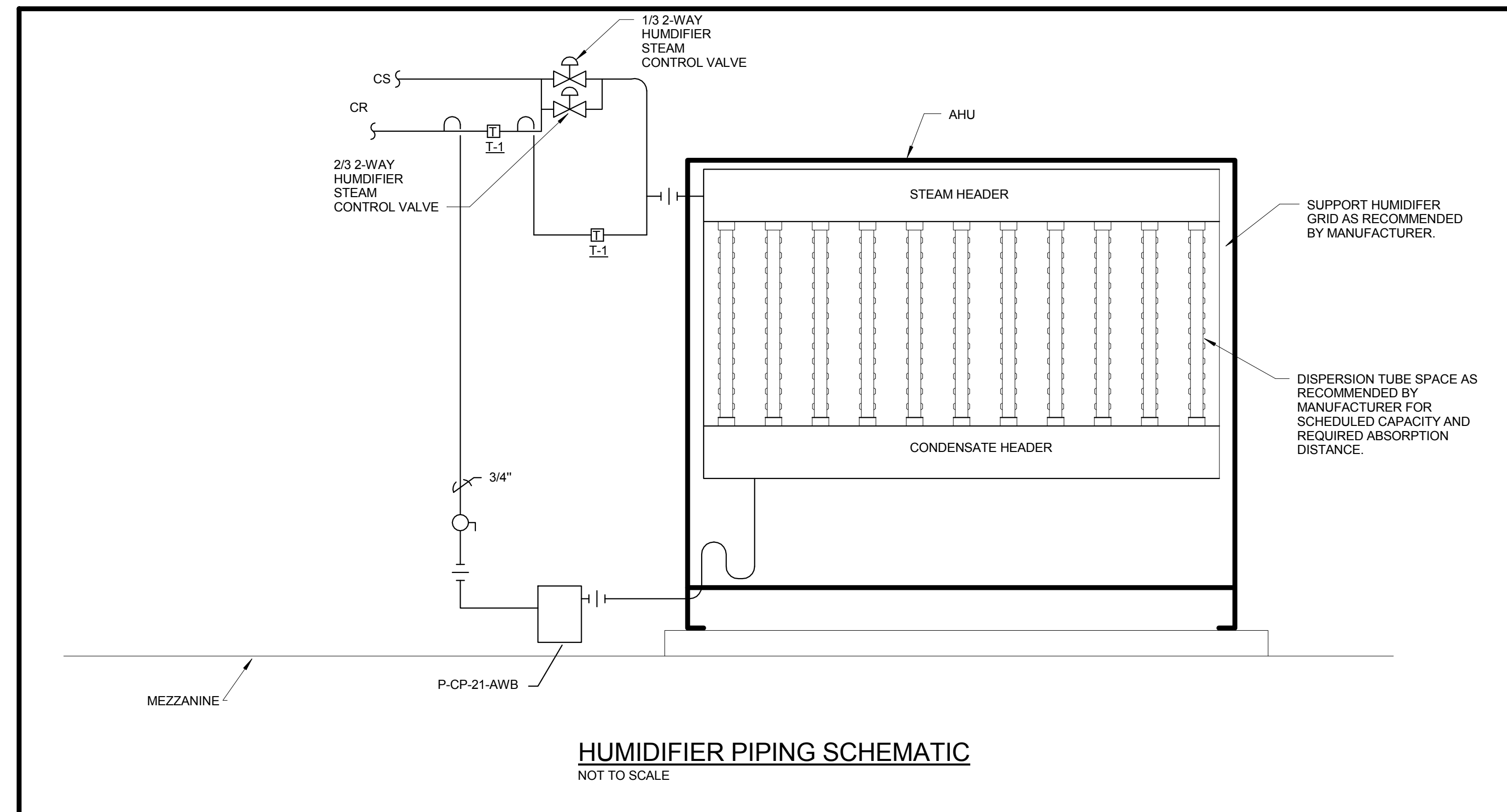
CHILLED WATER COIL PIPING SCHEMATIC - AHU-SUR-21AW

NOT TO SCALE



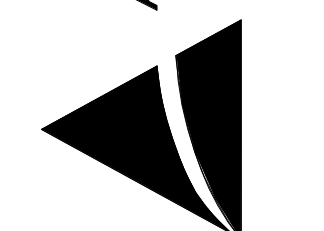
HOT WATER COIL PIPING SCHEMATIC - AHU-SUR-21AW

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HUMIDIFIER PIPING SCHEMATIC

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OWNER PROVIDED AIR HANDLING UNIT SCHEDULE																																							
MARK	MODEL	SERVICE	LOCATION	NOM. SIZE LXWXH (IN.)	WEIGHT (LBS)	SUPPLY AIR FAN					RETURN AIR FAN					CHILLED WATER COIL					HOT WATER COIL					REMARKS													
						CFM	MIN. OA CFM	# OF FANS - RPM	FAN TYPE	T.S.P./E.S.P. (IN WG)	MOTOR HP (PER FAN)	VOLT.	PH.	VFD	CFM	FAN TYPE	# OF FANS - RPM	T.S.P./E.S.P. (IN WG)	VOLT.	PH.	MOTOR HP (PER FAN)	VFD	TOTAL COOLING CAP. (MMB)H	SENSIBLE COOLING CAP. (MMB)H	EAT (DBWB) (F)		LAT (DBWB) (F)	EWT/LWT (F)	MAX FACE VELOCITY (FPM)	WATER FLOW RATE (GPM)	MAX. WATER PRESSURE DROP (FT)	TOTAL HEATING CAP. (MMB)H	EAT (F)	LAT (F)	EWT/LWT (F)	MAX. FACE VELOCITY (FPM)	WATER FLOW RATE (GPM)	MAX. WATER PRESSURE DROP (FT)	
AHU-SUR-21-AW	CUSTOM	2ND FLOOR AREA B ORS AND AREA D PACU	3RD FLOOR MECHANICAL ROMEZZANINE	681"L X 237"W X 145"H	94,100	95,000	33,250	15 - 3,701	PLENUM PLUG	11.84.5	20	480 V	3	Yes	95,000	PLENUM PLUG	12 - 1,767	4.0/3.4	480 V	3	7.5	Yes	4,910.3	3,088.2	79.9/67.0	50.2/50.0	42/57.6	531	626.6	17	2,029.8	37.8	57.6	180/126	550	75.1	10		ALL

- REMARKS:
1. AHU SHALL BE OWNER PROVIDED. CONTRACTOR INSTALLED. SCHEDULED INFORMATION PROVIDED IS FOR REFERENCE ONLY.
2. CONTRACTOR TO PROVIDE AND INSTALL DUTY/REDUNDANT VFD FOR BOTH SUPPLY AND RETURN FAN ARRAYS.
3. TAB CONTRACTOR SHALL BALANCE UNITS OUTSIDE AIR TO 15,000 CFM. SCHEDULED OUTSIDE AIRFLOW IS FOR FUTURE OR FITOUTS.

VARIABLE FREQUENCY DRIVE SCHEDULE										
MARK	MANUFACTURER	SERVICE	MOTOR HP	MOTOR VOLTAGE	MOTOR PHASE	DISCONNECT	MANUAL BYPASS	REDUNDANT DRIVE	REMARKS	
VFD-IF-ISO-5	ABB	PACU ISOLATION ROOM EXHAUST	5	480 V	3	Yes	Yes	No	-	
VFD-RF-21AW	ABB	AHU-SUR-21AW RETURN FAN ARRAY	90	480 V	3	Yes	No	Yes	-	
VFD-SF-21AWA	ABB	AHU-SUR-21AW SUPPLY FAN ARRAY	200	480 V	3	Yes	No	Yes	-	
VFD-SF-21AWB	ABB	AHU-SUR-21AW SUPPLY FAN ARRAY	150	480 V	3	Yes	No	Yes	-	

SUPPLY AIR VALVE BOX SCHEDULE									
MARK	MANUFACTURER	MODEL	BOX TYPE	INLET SIZE	INLET STATIC PRESS. ("WG)	VOLUME DAMPER			REMARKS
						MAX. CFM OCCUP. COOLING	MAX. CFM HEATING	MIN. CFM OCCUP. COOLING	
SAV-1	PHOENIX CONTROLS	HSVA	(2) DUAL 14" VALVES	30"x30"	1.0	3,300	2,600	4,400	1.2
SAV-2	PHOENIX CONTROLS	HSVA	(2) DUAL 14" VALVES	30"x30"	1.0	4,800	4,400	4,400	1.2
SAV-3	PHOENIX CONTROLS	HSVA	8" VALVE	8" DIA.	1.0	150	150	150	2
SAV-4	PHOENIX CONTROLS	HSVA	8" VALVE	8" DIA.	1.0	200	175	175	2
SAV-5	PHOENIX CONTROLS	HSVA	8" VALVE	8" DIA.	1.0	200	200	200	2
SAV-6	PHOENIX CONTROLS	HSVA	8" VALVE	8" DIA.	1.0	250	125	75	2
SAV-7	PHOENIX CONTROLS	HSVA	8" VALVE	8" DIA.	1.0	250	250	250	2
SAV-8	PHOENIX CONTROLS	HSVA	8" VALVE	8" DIA.	1.0	300	150	75	2
SAV-9	PHOENIX CONTROLS	HSVA	12" VALVE	12" DIA.	1.0	600	300	150	2
SAV-10	PHOENIX CONTROLS	HSVA	12" VALVE	12" DIA.	1.0	600	325	325	2
SAV-11	PHOENIX CONTROLS	HSVA	12" VALVE	12" DIA.	1.0	800	400	200	2
SAV-12	PHOENIX CONTROLS	HSVA	14" VALVE	14" DIA.	1.0	1,200	1,200	1,200	2
SAV-13	PHOENIX CONTROLS	HSVA	14" VALVE	14" DIA.	1.0	1,300	650	325	2
SAV-14	PHOENIX CONTROLS	HSVA	14" VALVE	14" DIA.	1.0	1,300	750	750	2
SAV-15	PHOENIX CONTROLS	HSVA	DUAL 12" VALVE	24"x12"	1.0	1,450	725	400	2
SAV-16	PHOENIX CONTROLS	HSVA	DUAL 12" VALVE	24"x12"	1.0	1,450	725	600	2
SAV-17	PHOENIX CONTROLS	HSVA	TRIPLE 14" VALVE	45"x15"	1.0	3,600	-	0	2
SAV-18	PHOENIX CONTROLS	HSVA	(2) DUAL 14" VALVES	30"x30"	1.0	4,400	4,400	-	1.2

- REMARKS:
1. DUAL AIR VALVES SHALL BE ARRANGED IN A 2X2 AIR VALVE ARRAY.
2. MAINTAIN OFFSET ACROSS ALL SUPPLY AIRFLOWS BETWEEN SUPPLY AND EXHAUST/RETURN AIR VALVES. OFFSET SHALL BE THE MAXIMUM SUPPLY AIRFLOW MINUS THE MAXIMUM EXHAUST/RETURN AIRFLOW.

RETURN AIR VALVE BOX SCHEDULE									
MARK	MANUFACTURER	MODEL	BOX TYPE	INLET/OUTLET SIZE	VOLUME CONTROL DAMPER		REMARKS		
					MAX. CFM	MIN. CFM			
EAV-1	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	450	450			
EAV-2	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	500	500	2		
RAV-1	PHOENIX CONTROLS	HEVA	(2) DUAL 14" VALVES	30"x30"	2,900	2,200	1.2		
RAV-2	PHOENIX CONTROLS	HEVA	(2) DUAL 14" VALVES	30"x30"	4,400	4,000	1.2		
RAV-3	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	150	150	2		
RAV-4	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	200	175	2		
RAV-5	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	200	200	2		
RAV-6	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	300	75	2		
RAV-7	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	300	75	2		
RAV-8	PHOENIX CONTROLS	HEVA	8" VALVE	8" DIA.	300	75	2		
RAV-9	PHOENIX CONTROLS	HEVA	12" VALVE	12" DIA.	600	150	2		
RAV-10	PHOENIX CONTROLS	HEVA	10" DIA.	10" DIA.	325	0	2		
RAV-11	PHOENIX CONTROLS	HEVA	12" VALVE	12" DIA.	1,050	250	2		
RAV-12	PHOENIX CONTROLS	HEVA	12" VALVE	12" DIA.	1,050	250	2		
RAV-13	PHOENIX CONTROLS	HEVA	TRIPLE 14" VALVE	45"x15"	3,200	2,350	2		
RAV-14	PHOENIX CONTROLS	HEVA	12" VALVE	12" DIA.	900	300	2		
RAV-15	PHOENIX CONTROLS	HEVA	DUAL 12" VALVE	24"x12"	2,175	1,125	2		
RAV-16	PHOENIX CONTROLS	HEVA	12" DIA.	12" DIA.	1,100	125	2		
RAV-17	PHOENIX CONTROLS	HEVA	TRIPLE 14" VALVE	45"x15"	3,600	0	2		
RAV-18	PHOENIX CONTROLS	HEVA	(2) DUAL 14" VALVES	30"x30"	4,400	4,400	1.2		

- REMARKS:
1. DUAL AIR VALVES SHALL BE ARRANGED IN A 2X2 AIR VALVE ARRAY.
2. MAINTAIN OFFSET ACROSS ALL SUPPLY AIRFLOWS BETWEEN SUPPLY AND EXHAUST/RETURN AIR VALVES. OFFSET SHALL BE THE MAXIMUM SUPPLY AIRFLOW MINUS THE MAXIMUM EXHAUST/RETURN AIRFLOW.

AIR VALVE HOT WATER REHEAT COIL SCHEDULE											
MARK	COIL SIZE (WxH)	NO. OF ROWS	CFM	AIR PD("WC)	EAT/LAT	GPM	WATER PD (FT HEAD)	EWT/LWT	CAPACITY(MB)H	RUNOUT PIPE SIZE	REMARKS
RC-1	12"x10"	2	125	0.25	55/90	0.5	10.0	180/160	4.8	3/4"	
RC-2	12"x10"	2	150	0.25	55/90	0.6	10.0	180/160	5.7	3/4"	
RC-3	12"x10"	2	175	0.25	55/90	0.7	10.0	180/160	6.7	3/4"	
RC-4	12"x10"	2	200	0.25	55/90	0.8	10.0	180/160	7.6	3/4"	
RC-5	12"x10"	2	250	0.25	55/90	1.0	10.0	180/160	9.5	3/4"	
RC-6	12"x10"	2	300	0.25	55/90	1.1	10.0	180/160	11.4	3/4"	
RC-7	14"x12"	2	400	0.25	55/90	1.5	10.0	180/160	15.1	3/4"	
RC-8	14"x12"	2	650	0.25	55/90	2.4	10.0	180/160	24.6	3/4"	
RC-9	14"x12"	2	725	0.25	55/90	2.7	10.0	180/160	27.4	3/4"	
RC-10	14"x12"	2	750	0.25	55/90	2.8	10.0	180/160	28.4	3/4"	
RC-11	24"x12"	2	1,200	0.25	55/90	4.6	10.0	180/160	45.4	1"	
RC-12	30"x24"	2	2,600	0.07	55/75	5.9	1.1	180/160	57.3	1"	
RC-13	30"x24"	2	4,400	0.36	55/75	10.0	4.1	180/160	96.9	1 1/4"	

REGISTERS, GRILLES, AND DIFFUSERS												
MARK	MANUFACTURER	MODEL	TYPE	GRILLE SIZE	PANEL SIZE	INLET DUCT SIZE	BRANCH DUCT SIZE	CFM	P.D.	NOISE CRITERIA	THROW PATTERN	REMARKS
E-1	TITUS	350FL	ALUMINUM EXHAUST GRILLE	6"X6"	24"x24"	-	6"X6"	0-100	.05	25	-	
E-2	TITUS	PAR-AA	ALUMINUM PERFORATED EXHAUST GRILLE	24"x24"	24"x24"	-	12" DIA.	401-600	.05	25	-	
E-3	TITUS	PAR-AA	ALUMINUM PERFORATED EXHAUST GRILLE	24"x24"	24"x24"	-	18"X18"	1,000-1,250	.05	25	-	
R-1	TITUS	PAR-AA	ALUMINUM PERFORATED RETURN GRILLE	24"x24"	24"x24"	-	8" DIA.	150-300	.05	25	-	
R-2	TITUS	PAR-AA	ALUMINUM PERFORATED RETURN GRILLE	22"x22"	24"x24"	-	10" DIA.	301-400	.05	25	-	
R-4	TITUS	PAR-AA	ALUMINUM PERFORATED RETURN GRILLE	24"x24"	22"x22"	-	12" DIA.	401-600	.05	25	-	
R-5	TITUS	PAR-AA	ALUMINUM PERFORATED RETURN GRILLE	24"x24"	24"x24"	-	18"X18"	800-1,100	.05	25	-	
R-6	TITUS	350FL	ALUMINUM RETURN GRILLE	14"x14"	16"x16"	-	14"x14"	401-700	.05	25	-	
R-7	TITUS	350FL	ALUMINUM RETURN GRILLE	18"x18"	18"x18"	-	18"X18"	1,000-1,250	.05	25	-	
R-8	TITUS	PAR-AA	ALUMINUM PERFORATED RETURN GRILLE	24"x24"	24"x24"	-	22"x22"	900-1,100	.05	25	-	
R-9	TITUS	PAR-AA	ALUMINUM PERFORATED RETURN GRILLE	48"x24"	48"x24"	-	48"x22"	3,000-3,600	.10	25	-	
S-1	TITUS	PCS-AA	ALUMINUM PERFORATED CEILING DIFFUSER	12"x12"	12"x12"	6" DIA.	6" DIA.	0-100	.05	25	4-WAY	4
S-2	TITUS	PCS-AA	ALUMINUM ADJUSTABLE SQUARE DIFFUSER	24"x24"	24"x24"	6" DIA.	6" DIA.	0-100	.05	25	4-WAY	4
S-3	TITUS	PCS-AA	ALUMINUM ADJUSTABLE SQUARE DIFFUSER	24"x24"	24"x24"	8" DIA.	8" DIA.	101-225	.05	25	4-WAY	4
S-4	TITUS	PCS-AA	ALUMINUM PERFORATED CEILING DIFFUSER	24"x24"	24"x24"	10" DIA.	10" DIA.	226-400	.05	25	4-WAY	4
S-5	TITUS	PCS-AA	ALUMINUM PERFORATED CEILING DIFFUSER	24"x24"	24"x24"	12" DIA.	12" DIA.	401-600	.05	25	4-WAY	4
S-6	TITUS	PCS-AA	ALUMINUM PERFORATED CEILING DIFFUSER	24"x24"	24"x24"	14" DIA.	14" DIA.	601-750	.05	25	4-WAY	4
S-7	TITUS	PCS-AA	ALUMINUM PERFORATED RETURN GRILLE	24"x24"	24"x24"	16" DIA.	16" DIA.	800-900	.10	27	4-WAY	4
S-8	TITUS	TBDI-80	INSULATED PLENUM SLOT DIFFUSER	48"x4"	48"x4"	10" OVAL	8" DIA.	101-200	.05	25	(2) 1" SLOTS	3
S-9	TITUS	TBDI-80	INSULATED PLENUM SLOT DIFFUSER	48"x6"	48"x6"	12" OVAL	10" DIA.	201-350	.05	25	(3) 1" SLOTS	3
S-10	TITUS	TLF-SS	STAINLESS STEEL LAMINAR FLOW DIFFUSER	48"x24"	48"x24"	12" DIA.	10" DIA.	201-300	.05	25	LAMINAR	
S-11	TITUS	TLF-SS	STAINLESS STEEL LAMINAR FLOW DIFFUSER	72"x24"	72"x24"	12" DIA.	10" DIA.	400-500	.05	25	LAMINAR	
S-12	TITUS	LINETEC-SS	STAINLESS STEEL AIR CURTAIN	(2) 186"x12", (2) 144"x12"	(2) 186"x12", (2) 144"x12"	(8) 8"x6"	(8) 12"x6"	1,264	.05	25	-	1
S-13	TITUS	LINETEC-SS	STAINLESS STEEL AIR CURTAIN	(4) 192"x12"	(4) 192"x12"	(8) 12"x10"	(8)12"x10"	2,640	.05	25	-	2

- REMARKS:
1. AIR CURTAIN SYSTEM SHALL CONSIST OF (2) 186"LX12"W & (2) 144"LX12"W PLENUM SECTIONS. EACH SECTION SHALL HAVE (2) 12"LX6"H SUPPLY AIR CONNECTIONS. PROVIDE INLET CONNECTION MOUNTED OPPOSED BLADE BALANCING DAMPERS AT EACH OF THE 8 INLETS TO THE AIR CURTAIN. BALANCE THE 186"L INLETS TO 170 CFM AND 144" SECTION INLETS TO 138 CFM.
2. AIR CURTAIN SYSTEM SHALL CONSIST OF (4) 192"LX12"W PLENUM SECTIONS. EACH SECTION SHALL HAVE (2) 12"LX6"H SUPPLY AIR CONNECTIONS. PROVIDE INLET CONNECTION MOUNTED OPPOSED BLADE BALANCING DAMPERS AT EACH OF THE 8 INLETS TO THE AIR CURTAIN. BALANCE EACH INLETS TO 330.
3. LINEAR DIFFUSERS AT PERIMETER OF PATIENT ROOMS AND OTHER SPACES SHALL HAVE OUTSIDE SLOT DIRECTED AT AN ANGLE TOWARDS THE GLASS AND THE INSIDE SLOT DIRECTED HORIZONTALLY TOWARDS INTERIOR.
4. PROVIDE DIFFUSER WITH FACTORY INSTALLED R-6 MOLDED INSULATION BLANKET.

HYDRONIC PUMP SCHEDULE													
MARK	MANUFACTURER	MODEL	TYPE	SERVICE	GPM	HEAD (FT)	HP	MIN. EFFICIENCY(%)	RPM	VOLTAGE	PHASE	STARTER	REMARKS
P-SUR-21AW-A	BELL & GOSSETT	e-80SC	INLINE	CHILLED WATER COIL FREEZE PROTECTION	621	25	7.5	78.2	1750	480 V	3	COMBO - ATC	-
P-SUR-21AW-B	BELL & GOSSETT	e-90	INLINE	HOT WATER COIL FREEZE PROTECTION	75	25	1	70.7	1750	480 V	3	COMBO - ATC	-
P-CP-21-AW-C	HARTELL	ASX-115	CONDENSATE	HUMIDIFIER STEAM CONDENSATE	7.7	24	0.1	-	3450	115 V	1	COMBO - ATC	1

- REMARKS:
1. PROVIDE LOW PROFILE VERTICAL TYPE PUMP WITH STAINLESS STEEL MOTOR SHAFT THERMALLY PROTECTED UL LISTED MOTOR WITH MINIMUM 13 PSI SHUTOFF CAPACITY AND INTEGRAL CHECK VALVE.

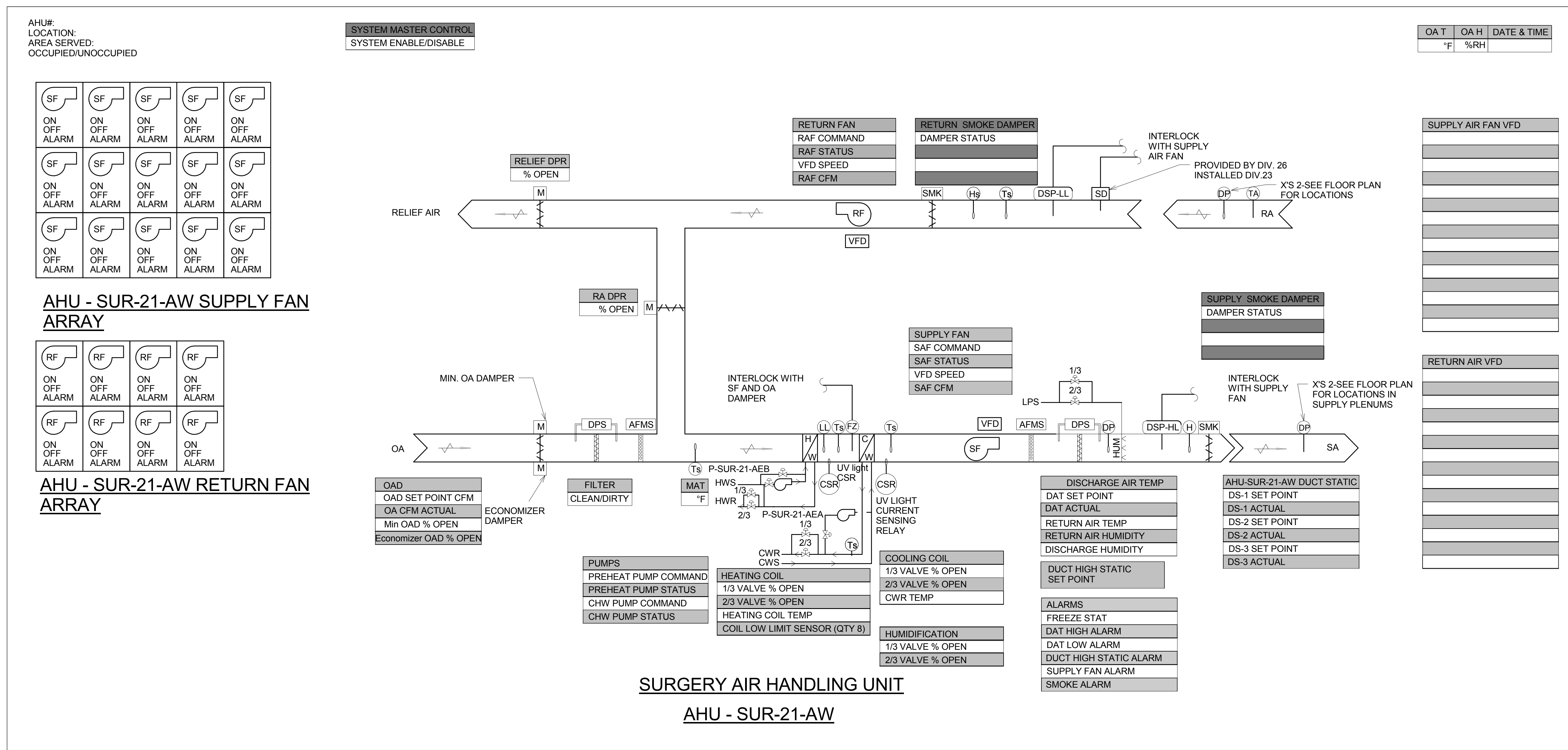
VENTILATION FAN SCHEDULE															
MARK	MANUFACTURER	MODEL	SERVICE	TYPE	CFM	E.S.P. ("WG)	RPM	HP	VOLTAGE	PHASE	DRIVE	STARTER	DISCONNECT	WEIGHT	REMARKS
EF-ISO-05	TWIN CITY	TSL-150	ISOLATION ROOM EXHAUST	ROOF MOUNTED TUBULAR INLINE CENTRIFUGAL FAN	3,000	4.0"	2672	5	460 V	3	BELT	VFD	YES	483	1, 2, 3, 4, 5

- REMARKS:
1. PROVIDE WITH ROOF CURB ADAPTER. FIELD VERIFY DIMENSION OF EXISTING ROOF CURB.
2. COORDINATE WITH CONTROLS CONTRACTOR TO PROVIDE ALL OPTIONS REQUIRED TO ACCOMMODATE MOUNTING OF VFD.
3. PROVIDE WITH CLASS FAN.
4. PROVIDE WITH FACTORY MOUNTED DISCONNECT.
5. PROVIDE WITH MOTOR WEATHER COVER, CURB CAP AND VENTURI DISCHARGE CAP.

STEAM TRAP SCHEDULE							
MARK	MANUFACTURER	MODEL	SERVICE	TYPE	CAPACITY (LB/HR)	CONNECTION SIZE	REMARKS
T-1	SPIRAX SARCO	TD52	125# DRIP TRAP	THERMODYNAMIC	318	1/2"	1

- REMARKS:
1. PROVIDE 20 MESH STRAINER UPSTREAM AND FULL PORT ISOLATING VALVES UPSTREAM

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Point Description	Object Name	DI	DO	AI	AO	Override
System Master Control	SYS-MAS		X			X
Min Outside Air Damper	MOA-DPR				X	X
Outside Air Flow Setpoint	OAF-SP				X	X
Outside Air Flow	OA-F			X		
Pre-Filter Status	FILTER-S	X				
Economizer Damper	MA-DPR			X	X	X
Mixed Air Temp	MAT			X		
Supply Fan Command	SF-C		X			X
Supply Fan #1 Status	SF1-S	X				X
Supply Fan #2 Status	SF2-S	X				X
Supply Fan #3 Status	SF3-S	X				X
Supply Fan #4 Status	SF4-S	X				X
Supply Fan #5 Status	SF5-S	X				X
Supply Fan #6 Status	SF6-S	X				X
Supply Fan #7 Status	SF7-S	X				X
Supply Fan #8 Status	SF8-S	X				X
Supply Fan #9 Status	SF9-S	X				X
Supply Fan #10 Status	SF10-S	X				X
Supply Fan #11 Status	SF11-S	X				X
Supply Fan #12 Status	SF12-S	X				X
Supply Fan #13 Status	SF13-S	X				X
Supply Fan #14 Status	SF14-S	X				X
Supply Fan #15 Status	SF15-S	X				X
Supply Air Fan CFM	DA-F			X		X
Supply Air Fan Speed	SF-SPD				X	X
Supply Air Fan VFD Alarm	SFVFD-AL		X			
Supply Air Smoke Detector Alarm	SA-SD	X				
Supply Air Smoke Damper Status	SA-SMD	X				
1/3 Heating Valve	PHT-VLV-1			X	X	
2/3 Heating Valve	PHT-VLV-2			X	X	
Preheat Temp	PHT-T		X			
Low Limit Heating Coil #1	LL-T-1		X			
Low Limit Heating Coil #2	LL-T-2		X			
Low Limit Heating Coil #3	LL-T-3		X			
Low Limit Heating Coil #4	LL-T-4		X			
Low Limit Heating Coil #5	LL-T-5		X			
Low Limit Heating Coil #6	LL-T-6		X			
Low Limit Heating Coil #7	LL-T-7		X			
Low Limit Heating Coil #8	LL-T-8		X			
1/3 Cooling Valve	CLG-VLV-1			X	X	
2/3 Cooling Valve	CLG-VLV-2			X	X	
Chilled Water Return Temp	CHWR-T		X			
Humidity Actual Return Air	ZN1-H		X			
Discharge Air Temp Actual	DA-T		X			
Discharge Air Temp Setpoint	DAT-SP			X	X	
Freeze Stat Alarm	FZ-A		X			
Discharge Air Temp Alarm	DAT-A	X				
Duct High Static Alarm	HS-A	X				
Supply Fan Alarm	SF-A	X				
Return Air Smoke Detector Alarm	RA-SD	X				
Return Air Smoke Damper Status	RA-SMD	X				
Discharge #1 Static Setpoint	DAS-SP1			X	X	
Discharge #1 Static Actual	DA-S1		X			
Discharge #2 Static Setpoint	DAS-SP2			X	X	
Discharge #2 Static Actual	DA-S2		X			
Zone Average Temperature	ZN-T		X			
Return Fan Command	RF-C		X			X
Return Fan #1 Status	RF1-S	X				X
Return Fan #2 Status	RF2-S	X				X
Return Fan #3 Status	RF3-S	X				X
Return Fan #4 Status	RF4-S	X				X
Return Fan #5 Status	RF5-S	X				X
Return Fan #6 Status	RF6-S	X				X
Return Fan #7 Status	RF7-S	X				X
Return Fan #8 Status	RF8-S	X				X
Return Air Fan CFM	RF-F			X	X	
Return Air Fan Speed	RF-SPD				X	X
Return Air Fan VFD Alarm	RFVFD-AL	X				
Return Air Temperature	RA-T			X		
Relief Air Damper	EA-DPR				X	
Discharge Differential Pressure	DA-P			X		
Preheat Pump Command	PHP-C		X			X
Preheat Pump Status	PHP-S	X				
CHW Pump Status	CHP-S	X				
CHW Pump Command	CHP-C		X			X
AW Discharge Pressure	SA-AW-DAP			X		
SA Duct Static Pressure #1	SA-STATIC1		X			
SA Duct Static Pressure #2	SA-STATIC2		X			
SA Plenum Static Pressure #1	SA-PLENUM1		X			
SA Plenum Static Pressure #2	SA-PLENUM2		X			
AW Suction Pressure	RA-AW-SAP		X			
RA Duct Static Pressure #1	RA-STATIC1		X			
RA Duct Static Pressure #2	RA-STATIC2		X			
RA Plenum Static Pressure #1	RA-PLENUM1		X			
RA Plenum Static Pressure #2	RA-PLENUM2		X			
Return Air DP #4	RA-DP4		X			
Avg. Supply Air DP	SA-P			X		
Bipolar Ionization Command	BP1-C		X			X
Bipolar Ionization Status	BP1-S	X				
1/3 Humidification Valve Position	HVP1-1/3				X	X
2/3 Humidification Valve Position	HVP1-2/3				X	X
1/3 Humidification Valve Position	HVP2-1/3				X	X
2/3 Humidification Valve Position	HVP2-2/3				X	X

- 1. Surgery Expansion Unit (AHU-SUR-21-AW) - Supply/Return Units**
 - 1.2. Outside Air Damper Control:** The unit shall be in occupied mode 24/7 and shall continuously run. The minimum outside air damper shall be open when the unit is running. In the event the unit is off, the minimum outside air damper shall be closed.
 - 1.3. Supply and Return Fan Control**
 - 1.3.1.** Supply and Return fan will be started and stopped from the local DDC Panel per the FMS schedule, this unit shall always be in occupied mode. When the start command is issued the outside air and relief air dampers will open. When the dampers are open to minimum outside and relief air positions an end switch will engage which will then allow the fan to start. If the end switch fails to engage the fan will not be allowed to start. If for this or any other reason the supply fan status does not match the commanded value an alarm will be generated. When the supply fan status indicates the fan has started, the control sequence will be enabled.
 - 1.3.2.** The air handling unit utilizes a fan array for the supply and return fan systems for distribution of air. The entire fan array shall be controlled from a single VFD with a redundant VFD as backup and has been sized utilizing a N+1 arrangement. Refer to the control drawings for the number of duct mounted static pressure sensors which shall control the supply and return fan arrays to maintain a duct static pressure setpoint of 1.75" (adj.) at all locations. The locations of the duct static pressure sensors are located on the drawings. Additionally, the existing duct static pressure sensor(s) for AHU-SUR-21AE shall be used in determining which worse case static pressure sensor shall be used to control supply fan speed.
 - 1.3.3.** The minimum OA volume shall be controlled via modulating minimum outside air dampers controlled by outside air flow stations. A control loop shall be field determined in conjunction with the Test and Balance Contractor. Point will be measured with the supply fan speed (Hz) at 50%, 60%, 70%, 80%, 90% and 100%. In conjunction with the Test and Balance Contractor, confirm minimum OA damper position is properly set during non-economizer operation. A current sensor shall be installed on each fan to determine in the fan array system status. Minimum outside Air CFM shall be constant when not operating in economizer mode. The minimum outside air volume shall have an enable/disable point to allow for a fixed % (adj.) to be entered from the DDC system. Supply and return airflow shall be read at each fan and added together. An alarm shall be sent to the FMS if a supply or return fan stops working.
 - 1.3.4.** AHU-SUR-21-AW and AHU-SUR-21-AE shall receive the same supply air differential pressure signal and shall ramp the supply fan VFD's together to maintain DP setpoint. Each unit shall have a minimum airflow and will prevent the unit from reducing airflow down below this setpoint. Minimum supply airflow setpoints shall be 25,200 CFM and 32,000 CFM for units AHU-SUR-21AE and AHU-SUR-21AW, respectively. When AHU-SUR-21AW reaches minimum supply airflow setpoint, AHU-SUR-21AE shall continue to reduce airflow, based on increasing duct static setpoint, until it reaches its minimum setpoint. On a decrease in duct static pressure the reverse shall occur. Duct mounted return static pressure sensors shall be installed in the return ductwork close to locations where supply duct static pressure sensors were installed. These shall control the return fan arrays to maintain a duct static pressure setpoint of 1.75" (adj.) at all locations. Additionally, the existing return duct static pressure sensor(s) for AHU-SUR-21AE shall be used in determining which worse case static pressure sensor shall be used to control supply fan speed.
- 1.4. Supply Air Temperature Controls - Cooling**
 - 1.4.1.** A duct mounted, discharge air temperature sensor shall control the unit's 1/3, 2/3 2-way chilled water valves (CLG-VLV-1, CLG-VLV-2) and 1/3, 2/3 hot water heating valves (PHT-VLV-1, PHT-VLV-2). The DDC shall monitor the chilled water return temperature. If the chilled water return temperature is below 54 F (adj.) than the DDC system shall receive an advisory.
 - 1.4.2.** When cooling is required, and the outdoor air temperature is above 65 degrees F (adj.), the 1/3 2-way chilled water control valve shall modulate as required to maintain 53 degrees F (adj.) discharge air temperature. Once the 1/3 valve is 100% open the 2/3 valve shall modulate to maintain discharge air temperature. The relief air damper shall be set to minimum position, and the return air damper shall modulate open. The minimum outside air damper shall be open. The OA economizer damper shall be closed.
 - 1.4.3.** When cooling is required, and the outdoor air temperature is below 65 degrees F (adj.), the OA economizer damper, relief air damper and the return air damper shall modulate as required to maintain 53 degrees F (adj.) discharge air temperature. The minimum OA damper shall be open. Normally under this condition, the chilled water 1/3 and 2/3 2-way control valves shall be closed; however, if further cooling is required, the 2-way chilled water control valve shall modulate as required. The chilled water coil control valve shall be locked out if the outside air temperature is below 48 F (adj.)
- 1.5. Supply Air Temperature Controls - Heating**
 - 1.5.1.** When heating is required to maintain the supply air temperature at 55 degrees F (adj.), then the 1/3 2-way hot water control valve shall modulate as required to maintain 55 degrees F (adj.) supply air temperature. Once the 1/3 valve is 100% open the 2/3 valve shall modulate to maintain discharge air temperature. The relief air damper shall be closed, the return air damper shall be open, and minimum outside air damper shall be open. The OA economizer damper shall be closed. The chilled water valve and the hot water valve shall not be permitted to modulate at the same time.
 - 1.6. Freeze Protection:**
 - 1.6.1.** The hot water coil control valve must remain under full control during any low limit freeze protection trip to prevent any over-heating of the air handling unit and proper restart of the unit.
 - 1.6.2.** If the heating coil plenum temperature falls below 35F (adj.) then the supply fan shall shut down, the outside air damper shall close, and the hot water control valve shall control preheat plenum to 55F (adj.).
 - 1.6.3.** The freeze protection wire shall be serpentine across the entire face of the coil every six inches on center. The freeze stat shall be a dual contact one hardwired to the supply fan and the other to the controller to maintain appropriate control. The hardwired freeze stat shall be a manual reset.
 - 1.6.4.** The chilled water coil is provided with a freeze protection pump. This pump shall be energized when outside air temperature is below 38 deg F. During the condition, the chilled water control valve shall be fully closed. After a minute delay, the pump shall be enabled. When the outside air temperature rises above 41 deg F, the reverse shall occur.
 - 1.6.5.** The hot water coil is provided with a freeze protection pump. This pump shall be energized when outside air temperature is below 38 deg F. During the condition, the freeze protection pump isolation valve shall be fully open and the freeze protection pump bypass line's isolation valve shall be closed. After a minute delay, the pump shall be enabled. When the outside air temperature rises above 41 deg F, the reverse shall occur and the unit shall operate under normal heating control.
 - 1.6.6.** There shall be a low limit temperature sensors that serpentine across every 18 inches of vertical height of the heating coil (Qty of 8). When any part of the serpentine sensing element, on any of the low limit heating coil sensors, detect air temperature 42 deg F (adj.) or lower, then the heating control valves shall modulate to increase air temperature across all low limit sensors. Once all sensors detect airflow across the entire coil of 45 deg F or higher, then the heating coil control valves shall resume normal operation.

- 1.7. Smoke Shutdown:**
 - 1.7.1.** Smoke detectors shall be located in the return air streams. If smoke is detected, the supply and return fans shall de-activate and an audio/visual alarm shall activate. Upon correction of the problem, the system shall be reset and unit shall return to normal operation. The smoke detectors shall provide a supervisory signal to the Fire Alarm System. This shall be reset automatically when smoke is no longer present.
- 1.8. Over Pressurization Control:**
 - 1.8.1.** A static pressure sensor shall be located at the AHU supply air outlet in the discharge plenum. If the pressure in the supply plenum exceeds 4.5" W.G. (adj.) the fan shall be shut down. Upon correction of the problem, the system shall be reset and unit shall return to normal operation. This shall be a manual reset.
- 1.10. Humidification Mode**
 - 1.10.1.** Humidification: Unit's Humidifier shall modulate control to maintain the average return relative humidity at 35% RH (adj.). The 1/3-2/3 valves shall stage to provide humidification as required. Humidifier shall not be allowed to exceed 95% RH discharge humidity.
- 1.11. Mixed Air Low Limit Sequence**
 - 1.11.1.** The DDC system shall monitor the mixed air temperature of the air handling unit. Whenever the mixed air temperature is below 45 (adj.), the return and outside air dampers shall modulate using a PID loop and the discharge air temperature sequence.

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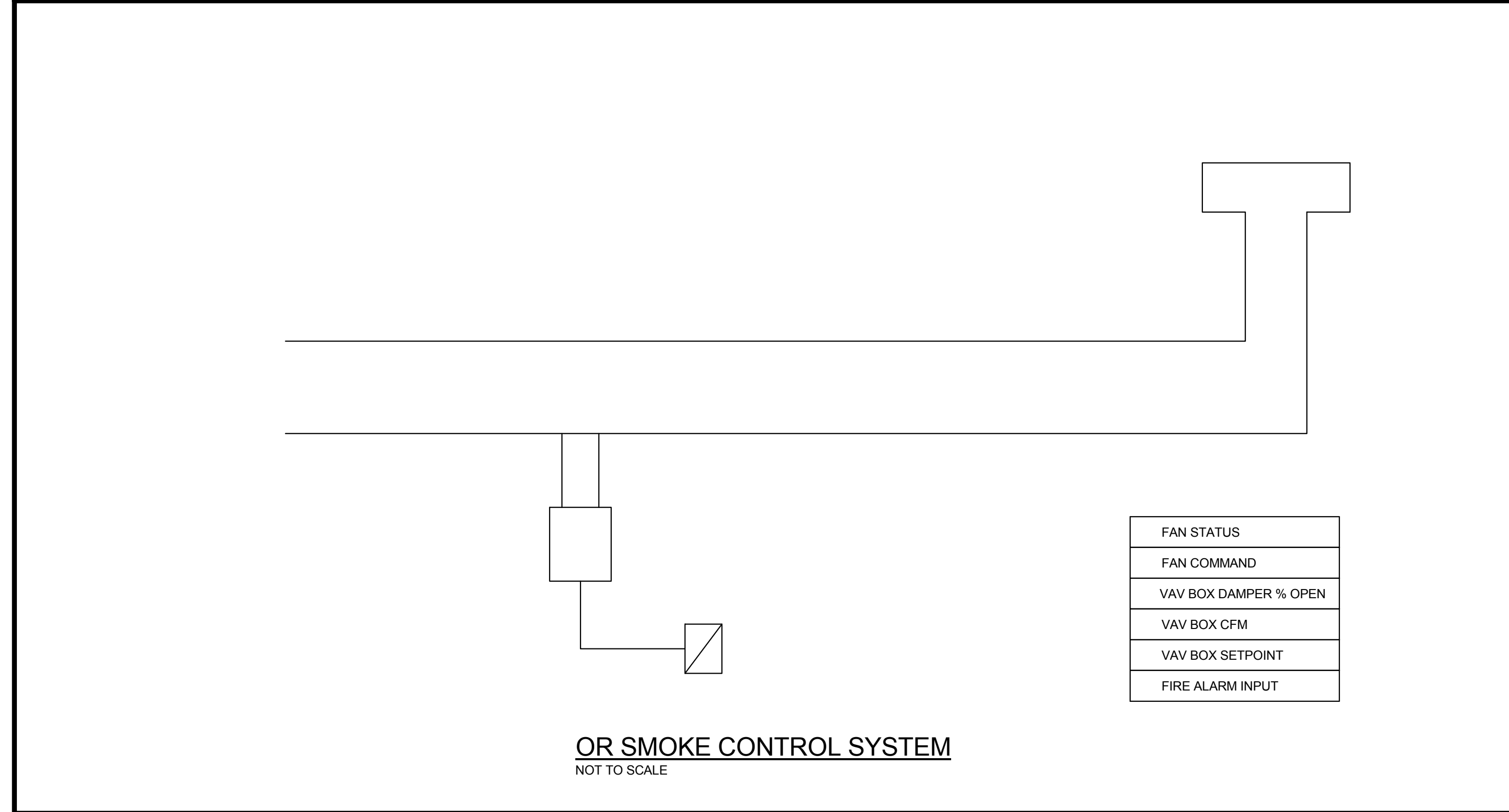
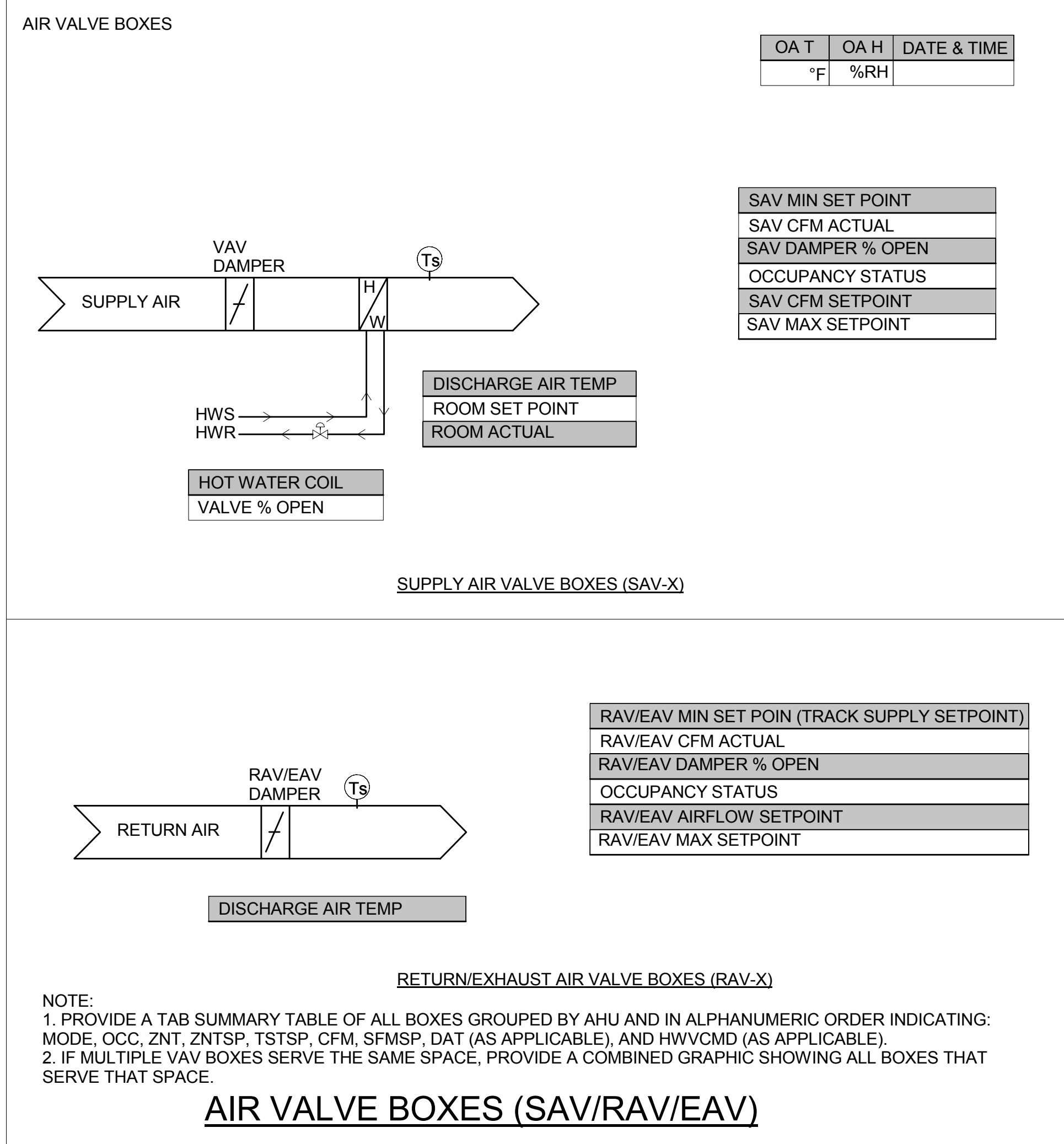
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 PROFESSIONAL ENGINEER
 No. 10345
 David J. P...

Revision Schedule
 #1 11/13/2018
 #2 1/24/19

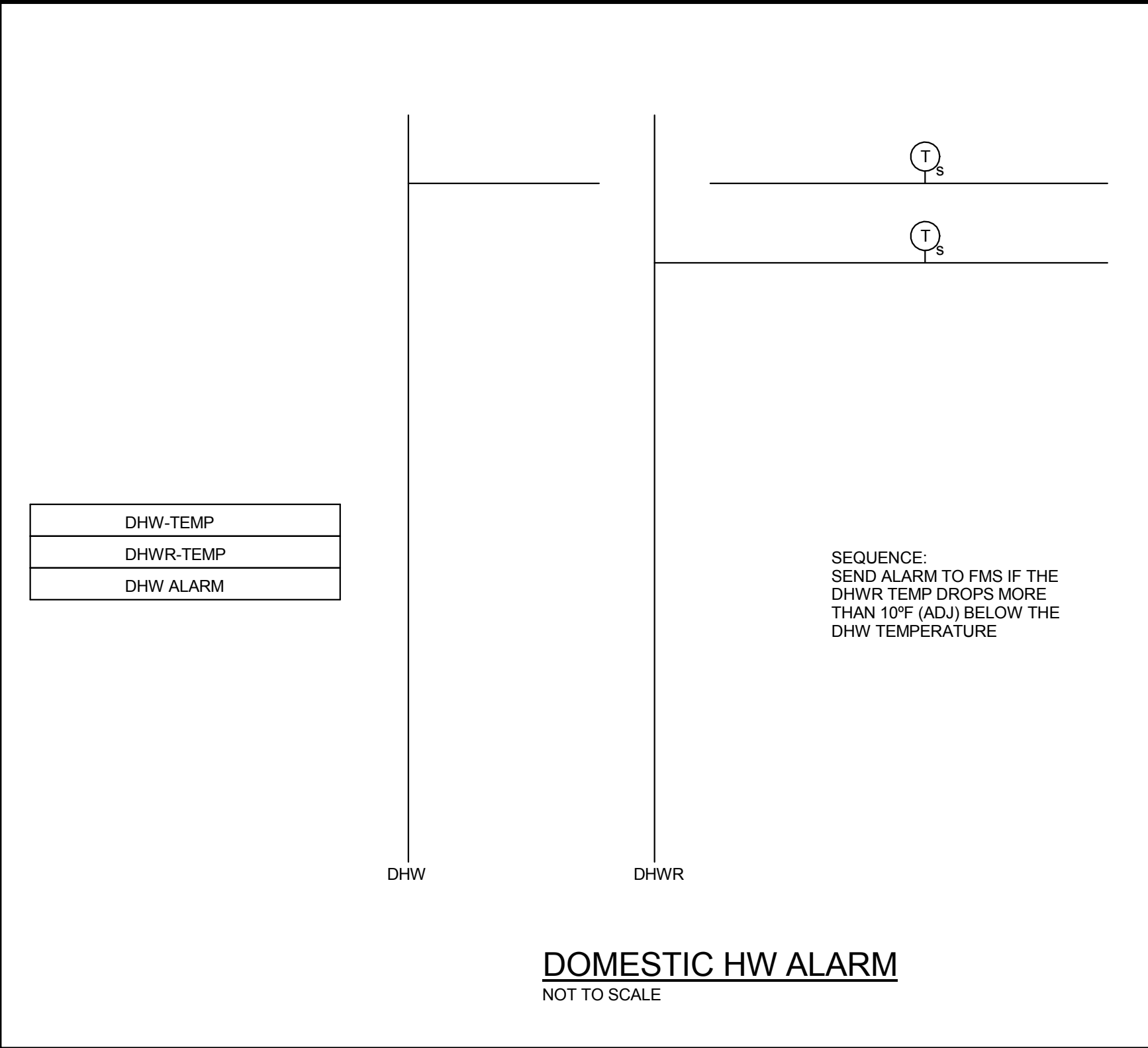
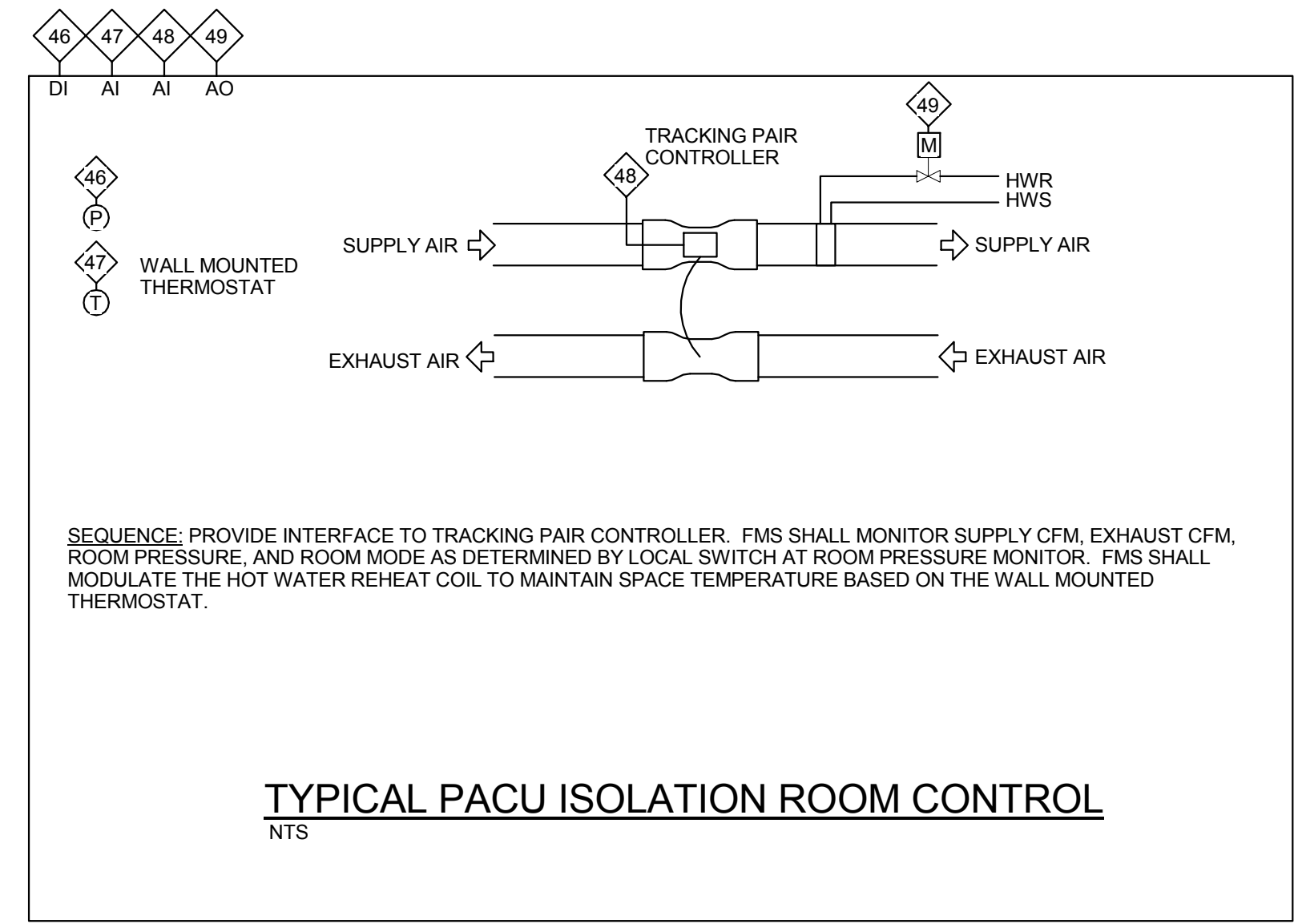
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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CONTROL DIAGRAMS
M10.01

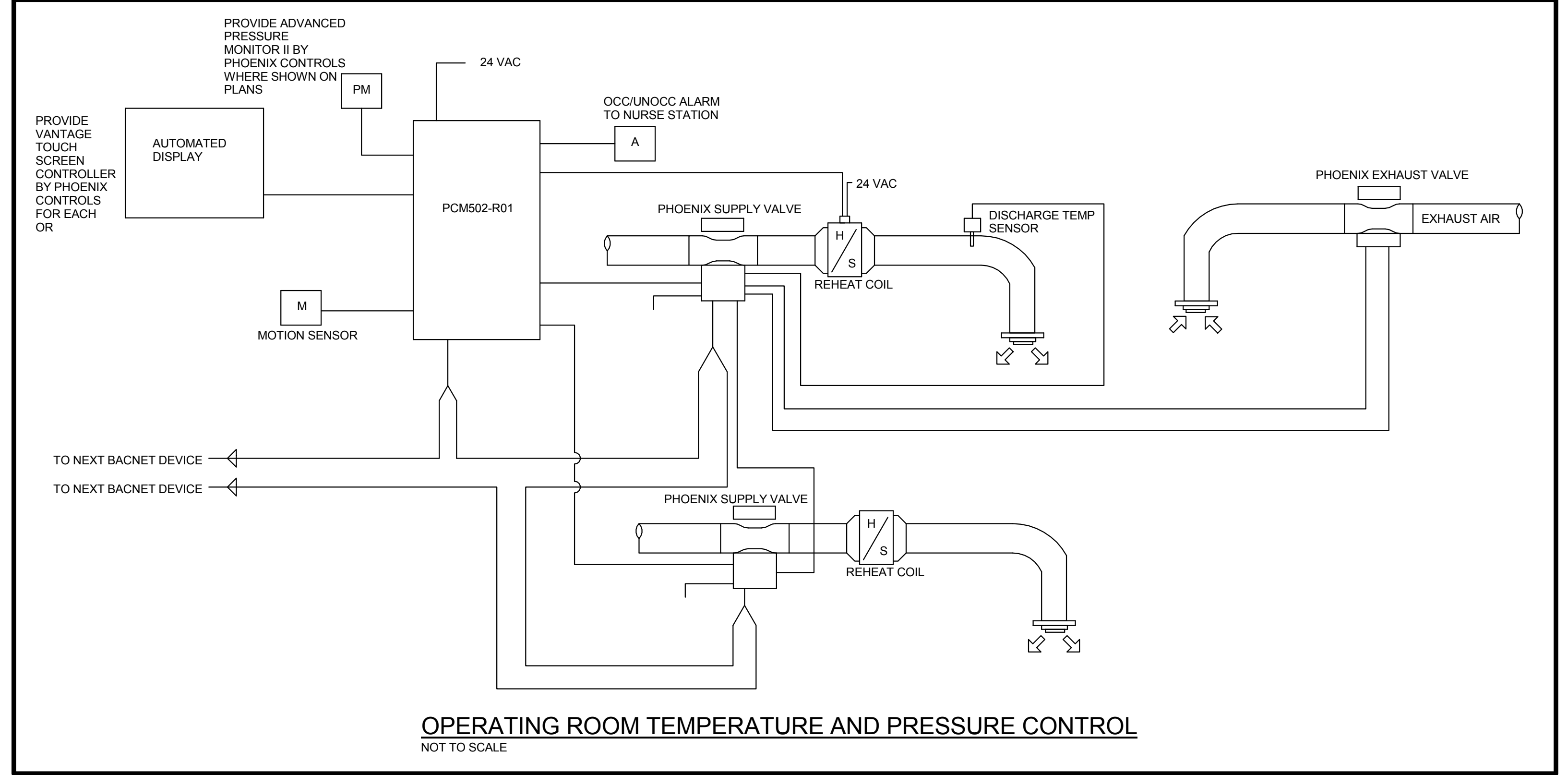


- OPERATING ROOM SMOKE CONTROL SYSTEM - CONTROL SEQUENCE**
- A. General:**
- System consists of the following equipment:
 - SEF-13-02 (Existing)
 - Electrical Contractor shall provide duct smoke detectors at the return air ductwork. The Electrical contractor shall wire the detectors into the Fire Alarm System.
 - A fire alarm control module shall be provided by the Electrical Contractor, within five feet of the temperature control panel. Control contractor shall wire from the fire alarm control module to the temperature control panel.
- B. System and Fan Operation**
- Upon smoke detector signal from Operating Room or Invasive Procedure Room:
 - The respective supply air terminal device shall be reset to the occupied minimum airflow setting as scheduled.
 - The respective return air terminal device shall close and the associated exhaust air damper shall be fully open.
 - The respective smoke exhaust fan serving the OR in smoke mode shall be energized and operated at 25%, 50%, 75%, and 100% speed to accommodate smoke exhaust for 1, 2, 3, and 4 rooms respectively.
 - Surgery AHU and return fan system shall continue to operate.
 - No more than four of the Operating Rooms and Invasive Procedure Rooms combined shall be in smoke control mode simultaneously.
 - When any exhaust fan is commanded to start via bypass contact switch or H-O-A switch or VFD, the following sequence shall occur:
 - In bypass mode, exhaust fan shall start and operate at full speed, or in hand mode exhaust fan shall start and operate at speed selected on VFD, and an alarm shall be annunciated at a Tridium workstation.
 - When a VFD H-O-A switch is in any position other than Auto or bypass switch is in bypass mode, an alarm shall be annunciated at a Tridium workstation.
- C. Power Failure Mode:**
- All components/equipment of operating room smoke control system are connected to essential power and shall be allowed to operate during essential power operation via the smoke control system.
 - Upon power failure as indicated by the automatic transfer switch, operating room smoke exhaust fans shall stop.
 - When essential power is established as indicated by automatic transfer switch, operating room smoke exhaust fans shall restart if called to start by fire alarm system. Refer to POWER FAILURE MODE SEQUENCE, Paragraph 3.2 for restart sequence.
 - Upon resumption of normal power as indicated by automatic transfer switch, operating room smoke exhaust fans shall continue to operate if activated by their normal control as indicated above with no interruption of power.
- D. Monitor and Alarm**
- Monitor, through BAS, the following points associated with the operating room smoke control system and generate the alarms indicated:
 - Exhaust fan status (DI)
 - Generate Level 2 alarm if exhaust fan status does not match commanded state.
 - OR smoke damper position - open and closed - each OR (DI)
 - Generate Level 2 alarm if damper is not proven open by open position end switch within 60 seconds (FA) of open command or not proven closed with closed position end switch within 60 seconds (FA) of closed command.
 - Exhaust fan H-O-A switch (DI)
 - Generate Level 1 alarm if switch is in any position other than auto.
 - Exhaust fan VFD Fault (DI)
 - Generate Level 2 alarm.

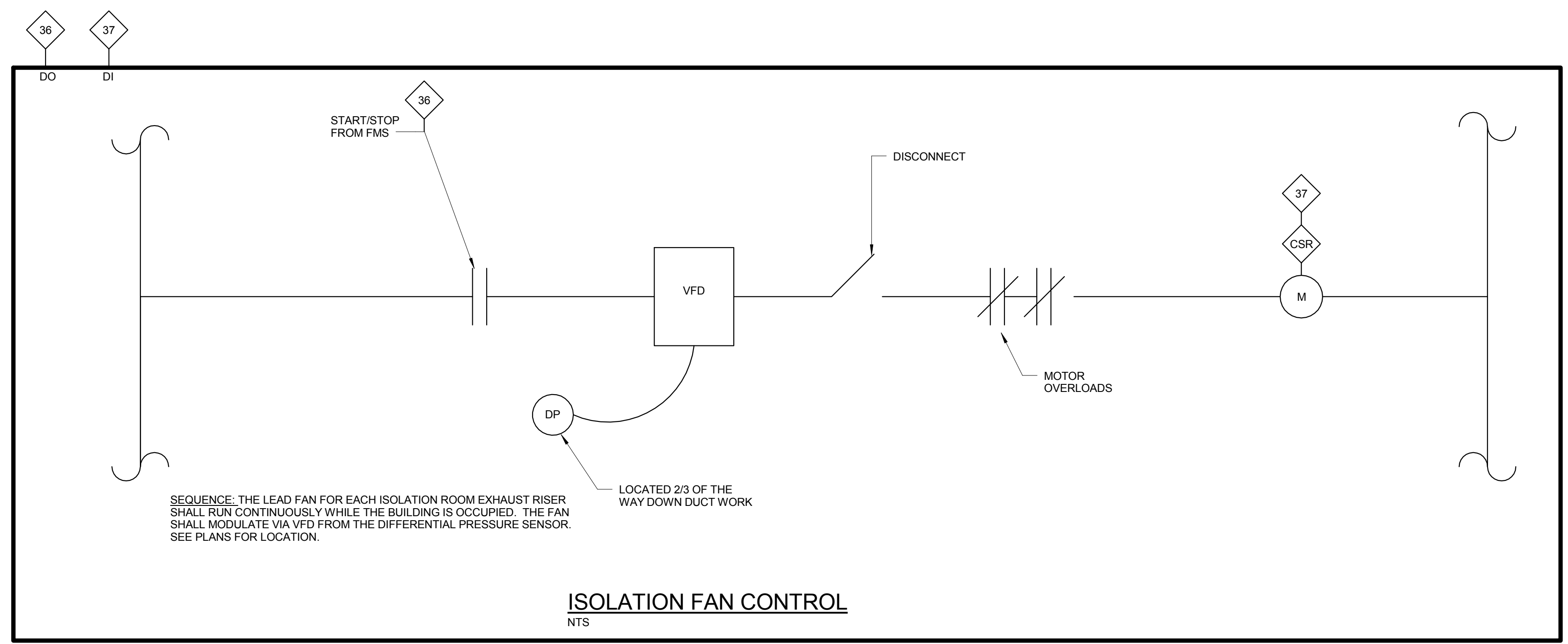


VAV Boxes / Air Valves

- Supply Air Valves**
 - Refer to drawings if room is controlled via a wall mounted temperature sensor or wall mounted thermostat.
 - UON, when cooling is required, the inlet damper shall modulate between the maximum and minimum air flow setpoints as required to maintain space temperature. When heating is required, the inlet damper shall modulate to the minimum position and the 2-way control valve shall be modulated as required to heat the space.
 - Primary air CFM, leaving air temperature, room temperature and room setpoint shall be monitored by the DDC control system. An air flow sensor shall be located on the inlet side of the VAV box and duct temperature sensor shall be located on the discharge side of the VAV box.
 - The VAV box shall be able to control to occupied and unoccupied mode. Coordinate temperatures of unoccupied and occupied with UK.
- Return Air Valves**
 - Return air CFM and entering air temperature, shall be monitored by the DDC control system. An air flow sensor shall be located on the inlet side of the VAV box and duct temperature sensor shall be located on the discharge side of the VAV box.



- SEQUENCE OF OPERATION-ROOM USING THERIS TX-VAV**
- The following describes the sequence of operation for an operating room with variable air volume venturi valves.
- Flow Control**
- Pressure independent control provides supply and exhaust valves while maintaining their flow set points to (+/-)5% accuracy.
 - A positive volumetric off set (room differential) is maintained between the operating room and adjoining spaces at all times.
- Climate Control**
- The supply air valve modulates from maximum to minimum settings to maintain space temperature. Upon a call for heating with the air valve at minimum position, the hot water control valve modulates to maintain space set point.
 - Humidity monitoring percent RH for procedure.
 - The control system monitors duct discharge temperature, zone temperature, hot water control valve, airflow rates, occupied/unoccupied status, and relative humidity (RH only at locations indicated).
 - Zone set points are capable of local or remote adjustments with the capability to lockout local adjustment.
- Occupancy**
- The system operates the air valves and heating control valve in an occupied or unoccupied mode according to the user defined schedule through input at the control system, and includes an override at the zone thermostat or as described below.
- Occupied mode - the supply and return air valves maintain the occupied air volume scheduled. Upon a call for heating, the hot water control valve modulates to maintain space set point.
 - Unoccupied mode - the system modulates the supply and return air valves from maximum to minimum positions and the heating valve maintains the setback temperature.



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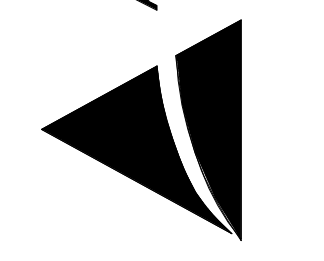
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Project #:
Revisions:

STATE OF KENTUCKY
Professional Engineer
No. 30345

Revision Schedule

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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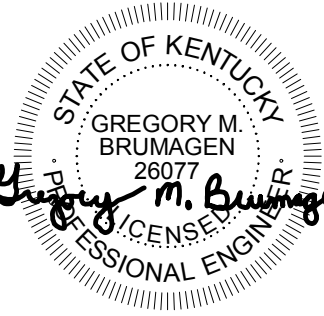


CONTROL DIAGRAMS

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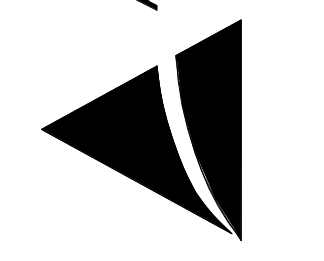
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Revision #	Date	Description
1	11/03/2018	Issue for Construction
2	11/03/2018	Issue for Construction

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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RECORD DRAWINGS

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ELECTRICAL LEGEND

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SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SWITCHES	LIGHT SWITCH: GENERAL PURPOSE			4'-0"	\$
	DIMMER SWITCH			4'-0"	\$ D
	THREE-WAY SWITCH			4'-0"	\$ 3
	FOUR-WAY SWITCH			4'-0"	\$ 4
	DUAL TECHNOLOGY, ULTRASONIC WALL MOUNTED TYPE OCCUPANCY SENSOR	LEVITON #OSSMT-Mdx		4'-0"	\$ OS
	DUAL TECHNOLOGY, ULTRASONIC CEILING MOUNTED TYPE OCCUPANCY SENSOR	LEVITON #OSC20-M		CEIL.	OS
	PIR WALL MOUNTED LONG RANGE AISLE-WAY TYPE OCCUPANCY SENSOR	LEVITON #OSWLR-M		WALL	OS -1
	EMERGENCY RELAY FOR LIGHTING CONTROLS - REFER TO DETAIL				ER
	2'-0" FLUORESCENT WALL MOUNT	SEE SCHEDULE		6'-6"	
	2'x2' FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	
2'x4' FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.		
1'x4' FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.		
DOWNLIGHT	SEE SCHEDULE		CEIL.		
INDUSTRIAL FIXTURE	SEE SCHEDULE		CEIL.		
EXIT LIGHT(CEILING, WALL MOUNT)	SEE SCHEDULE		AS NOTED		
INDICATES EMERGENCY EGRESS LIGHTING					
POWER OUTLETS	SIMPLEX			1'-6"	
	DUPLEX			1'-6"	
	DUPLEX (ABOVE COUNTERTOP)			8" ACT.	
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-6"	GFI
	QUADRUPLEX RECEPTACLE			1'-6"	
	JUNCTION BOX				
	208/1P RECEPTACLE, AS NOTED			AS NOTED	
	208/3P RECEPTACLE, AS NOTED			1'-6"	
	DUPLEX RECEPTACLE: COORDINATE MOUNTING LOCATION WITH TV/MONITOR LOCATION				TV
	DUPLEX FOR ELECTRIC WATER COOLER: INTEGRAL GFI TYPE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER.				EWC
MISC.	CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE: ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS. HASHMARKS INDICATE # OF CONDUCTORS				GROUND NEUTRAL
	DISCONNECT SWITCH			5'-0"	
	MAGNETIC COMBINATION STARTER			5'-0"	
	ENCLOSED FLUSH MTD. CIRCUIT BREAKER			5'-0"	
	WEATHERPROOF				WP
	TRENCH DUCT (SIZE AS NOTED)			AS SHOWN	
	PUSHBUTTON STATION			4'-0"	
	PANELBOARD, SURFACE OR FLUSH MOUNTED			6'-0" TO TOP	
	TRANSFORMER			AS NOTED	
	NON-REVERSING 1P MOTOR STARTER SWITCH	SQUARE-D" CLASS 2510		AS NOTED	SM
TAGGED NOTE					
REVISION NOTE					
JUNCTION BOX		AS NOTED	AS NOTED	J	
MEDICAL GAS LINE PRESSURE ALARM (REFER TO DETAIL)				LPA	
MEDICAL GAS MULTI-SIGNAL ALARM (REFER TO DETAIL)				MSA	
CABLE TRAY AS NOTED			AS SHOWN		
J-HOOK CABLE PATH					
FIRE ALARM	PULL STATION : DOUBLE ACTION			44" TO LEVER	F
	ELECTRONIC CHIME / ADA STROBE				F
	HORN UNIT ONLY				H
	STROBE UNIT ONLY				S
	STROBE UNIT ONLY LABELLED FOR PATIENT ROOMS				S P
	SPEAKER/STROBE			CEIL.	F
	PHOTO-ELECTRIC SMOKE DETECTOR			CEIL.	SD
	PHOTO-ELECTRIC SMOKE DETECTOR/HEAT DETECTOR FOR ELEVATOR CONTROL...			CEIL.	SD EL HD EL
	IONIZATION SMOKE DETECTOR			BELOW RAISED FLOOR	SD IO
	HEAT DETECTOR			CEIL.	HD
HEAT DETECTOR : 200" - RATE OF RISE			CEIL.	HD 200"	
CEILING SPEAKER WITH FIRE LABEL			CEIL.	VC	
DOOR HOLDER : WALL TYPE			7'-0"	DH	
DOOR HOLDER : CLOSURE TYPE				DH C	
DUCT SMOKE DETECTOR				DD	
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE			AS REQ'D	FS	
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE			AS REQ'D	TS	
PRESSURE SWITCH				PS	
H.V.A.C. SMOKE DAMPER CONNECTION			AS REQ'D	SM	
UNLESS OTHERWISE NOTED				UON	
OWNER FURNISHED CONTRACTOR INSTALLED				OfCI	
OWNER FURNISHED OWNER INSTALLED				OfOI	
CONTRACTOR FURNISHED CONTRACTOR INSTALLED				CfCI	
CONTRACTOR FURNISHED OWNER INSTALLED				CfOI	
INDICATES EMERGENCY POWER				E. EM	

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL	
NURSE CALL	BED INTERFACE (HILL-ROM SIDECOM)	HILL-ROM		1'-6"	BIU	
	DOME LIGHT - WALL MOUNTED			6" ABV DOOR	DL W	
	DOME LIGHT - CEILING MOUNTED			CEIL.	DL C	
	ZONE LIGHT : WALL MOUNTED			6" ABV DOOR	ZL W	
	ZONE LIGHT : CEILING MOUNTED			CEIL.	ZL C	
	EMERGENCY STATION - PULLCORD			4'-0"	PC	
	EMERGENCY STATION - PUSHBUTTON			4'-0"	PB	
	STAFF STATION			5'-0"	SS	
	DUTY STATION			5'-0"	DS	
	MASTER STATION			1'-6"	MS	
CODE BLUE STATION			4'-0"	CB		
ROOM CONTROL BOARD			4'-0"	RCB		
NURSE LOCATOR			4'-0"	NL		
PAGING	PAGING SPEAKER (CEILING) ASSEMBLY		V	CEIL.	S	
	SPEAKER BY SPEAKER (WALL) ASSEMBLY	1G-A			S	
SECURITY ACCESS CONTROL	AUDIO/VIDEO INTERCOM STATION: MASTER WITH SELECTIVE DOOR CONTROLS, POWER SUPPLIES & DOOR RELAY CONTACTS AS REQUIRED FOR OPERATION		1G	8" ACT	IM	
	AUDIO/VIDEO INTERCOM STATION: REMOTE WITH FLUSH-MTD S.S. ENCLOSURE		1G	4'-0"	IR	
	AUTOMATIC DOOR CONNECTION (MAY ALSO HAVE ELECTRIC STRIKE/MAG- LOCK/ELECTRIFIED PANIC CONNECTION - SEE ARCHITECTURAL HARDWARE SPECIFICATIONS)			CEIL.	AD	
	DOOR RELEASE WAVE-PLATE / INFRARED OPERATOR STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.			4'-0"	PP	
	DOOR RELEASE CARD READER STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.			4'-0"	CR	
	MOTION SENSOR DOOR CONTROL			CEIL.	MS	
	REMOTE DOOR RELEASE (SENSOR ABOVE DOOR)			ABOVE DOOR	RR	
	DOOR POSITION SWITCH				DP	
	SECURITY CCTV VIDEO SURVEILLANCE	CCTV CAMERA WITH FLUSH MOUNT KIT FOR LAY-IN CEILING. REFER TO SYSTEMS OUTLET CONFIGURATION CHART ON E0.02 FOR CABLING TO CAMERA (CONFIGURATION "SC")		1G	CEIL.	CC
	DATA / VOICE VIDEO	DATA OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS THAT TELECOMMUNICATIONS VENDOR WILL BE INSTALLING. IF NO NUMBER IS INDICATED, THERE SHALL BE ONLY ONE DATA JACK. REFER TO SYSTEMS OUTLET CHART ON E0.02 ALSO		1G	1'-6"	2D 3D
	VOICE OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS THAT TELECOMMUNICATIONS VENDOR WILL BE INSTALLING. IF NO NUMBER IS INDICATED, THERE SHALL BE ONLY ONE VOICE JACK. REFER TO SYSTEMS OUTLET CHART ON E0.02 ALSO		1G	1'-6"	2V 3V	
	COMBINATION OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS THAT TELECOMMUNICATIONS VENDOR WILL BE INSTALLING. IF NO NUMBER IS INDICATED, THERE SHALL BE ONLY ONE DATA AND ONE VOICE JACK. REFER TO SYSTEMS OUTLET CHART ON E0.02 ALSO		1G	1'-6"	2D/2V/2T	
	DATA/VOICE OUTLET IN FLOOR AS NOTED REFER TO SYSTEMS OUTLET CHART ON E0.02 ALSO			FLOOR	D V D T 2T 3T	
	TELEVISION/VIDEO SYSTEM OUTLET (AT WALL BRACKET - VERIFY EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION)				T 2T 3T	
	OUTLET : WALL MOUNTED			4'-0"	W	
	OUTLET (VOICE ONLY) : PAYPHONE TYPE		AS REQ'D.	AS REQ'D.	PAY	
	WIRELESS ACCESS POINT WITH PROVISIONS FOR (1) DATA OUTLET FOR ANTENNA AT ACCESSIBLE LOCATION ABOVE CEILING. PROVIDE DUPLEX RECEPTACLE AND CONNECT TO BRANCH CIRCUIT AS INDICATED ON FLOOR PLANS.				WAP	

BACKBOX SCHEDULE :

INDICATING NO.	SIZE REQUIRED
1G	4-11/16" SQUARE x 2-1/8"D TWO-GANG BACKBOX (STEEL CITY #72171) WITH SINGLE-GANG 3/4" RAISED EXTENSION RING. (STEEL CITY #72-C-14)
2G	4-11/16" SQUARE x 2-1/8"D TWO-GANG BACKBOX (STEEL CITY #72171) WITH TWO-GANG 3/4" RAISED EXTENSION RING. (STEEL CITY #72-C-16)
2G-A	6-13/16" x 4-1/2"H x 2-1/2"D TWO-GANG BACKBOX (STEEL CITY #H2BD) WITH TWO-GANG 3/4" RAISED EXTENSION RING AS REQUIRED.
3G	8-5/8" x 4-1/2" x 2-1/2"D THREE-GANG BOX (STEEL CITY #H3BD) WITH THREE-GANG 3/4" RAISED EXTENSION RING AS REQUIRED.
4G	10-17/16" x 4-1/2" x 2-1/2"D FOUR-GANG BACKBOX (STEEL CITY #H4BD) WITH FOUR-GANG 3/4" RAISED EXTENSION RING AS REQUIRED.
V	BACKBOX EXTENSION RING AND COVERPLATE PROVIDED BY VENDOR AND INSTALLED BY CONTRACTOR.

SYSTEMS EQUIPMENT TERMINAL POINT NOTE :

○ AT ALL SYSTEMS EQUIPMENT CABINET/TERMINAL BOARD LOCATIONS, [EQUIP] AS INDICATED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL PROVIDE SIZE AND NUMBER OF CONDUIT STUB-OUTS TO CABLE PATHS AS REQUIRED BY SYSTEM VENDORS. TERMINATE CONDUITS AT CABINET/SION BACKBOARDS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH APPROPRIATE VENDORS PRIOR TO CONSTRUCTION.

SYSTEMS OUTLET CONFIGURATION CHART

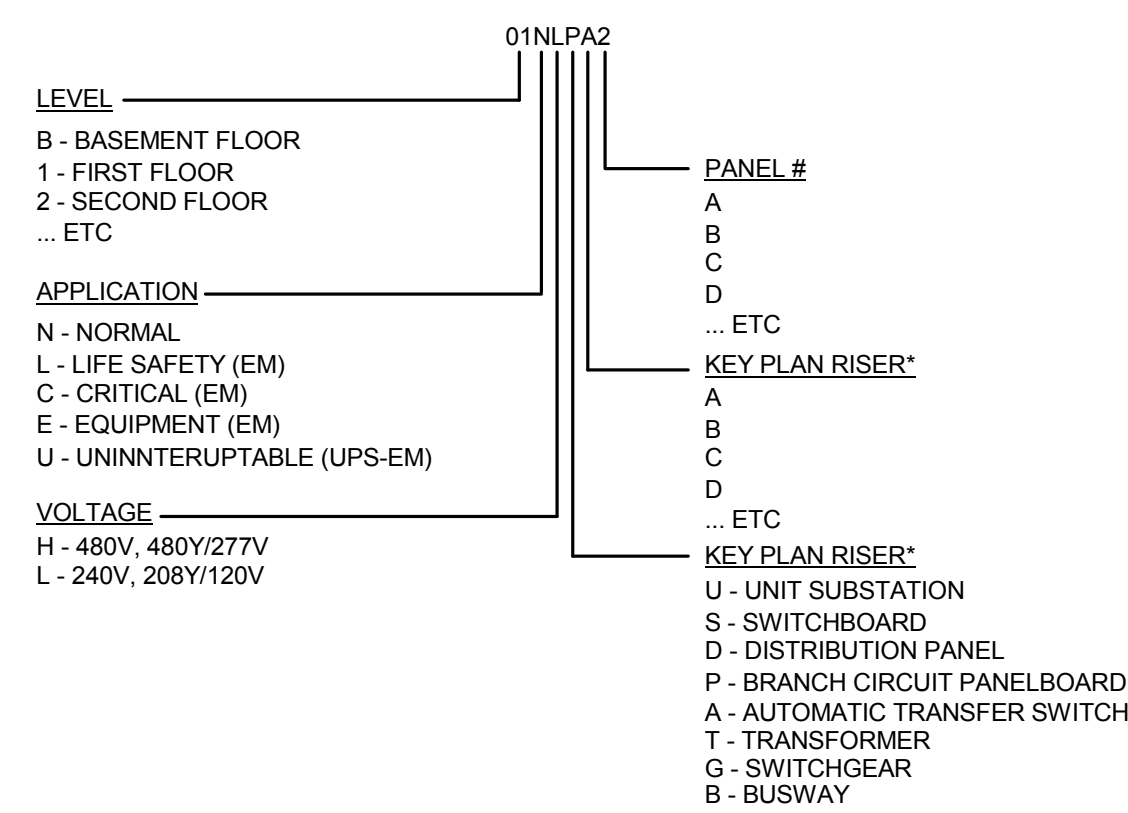
CONFIGURATION TYPE (X)	DESCRIPTION	# OF DATA JACKS	# OF COAX JACKS	DATA CABLE TYPE	CABLE COLOR	FACEPLATE	ICON COLOR	DEFAULT OUTLET MOUNTING HEIGHT	CONDUIT	CABLE SOURCE
W	WALL TELEPHONE	1		CAT 6 UTP	GREEN	SS 1-PORT	GREEN	48" AFF	(1) 1"	IDF ROOM
1	DATA OUTLET	1		CAT 6 UTP	GREEN	1 - GANG	GREEN	18" AFF	(1) 1"	IDF ROOM
2	DATA OUTLET	2		CAT 6 UTP	GREEN	1 - GANG	GREEN	18" AFF	(1) 1"	IDF ROOM
3	DATA OUTLET	3		CAT 6 UTP	GREEN	1 - GANG	GREEN	18" AFF	(1) 1"	IDF ROOM
4M	DATA OUTLET	4		CAT 6 UTP	GREEN	1 - GANG	GREEN	18" AFF	(1) 1"	IDF ROOM
9		3		2 DATA CAT 6 UTP 1 PM CAT6 UTP	GREEN YELLOW	1 - GANG	GREEN	60" AFF	(2) 1"	IDF ROOM
TV	TELEVISION	2	1	CAT 6 UTP	GREEN	1 - GANG	GREEN	80" AFF	(1) 1"	IDF ROOM
F	INFOTAINMENT TV	1	1	CAT 6A FU/TP	GREEN	1 - GANG	GREEN	84" AFF	(1) 1"	IDF ROOM
MM	MEDICAL MONITORING CAMERA	1		CAT 6 UTP	ORANGE	1 - GANG	ORANGE	100" AFF	(1) 1"	IDF ROOM
MMF	MEDICAL MONITORING CAMERA - FUTURE (ROUGH-IN ONLY)			N/A	N/A	1 - GANG BLANK	N/A	100" AFF	(1) 1"	IDF ROOM
SC	SECURITY CAMERA	1		CAT 6A UTP	GRAY	1 - GANG	GRAY	ABOVE CEIL.	(1) 1"	IDF ROOM
AC	ACCESS CONTROLLER	1		CAT 6 UTP	GRAY	1 - GANG	GRAY	ABOVE CEIL., ADJACENT TO DOOR CONTROLLER	(1) 1"	IDF ROOM
TC	TIME CLOCK	1		CAT 6A FU/TP	GREEN	1 - GANG	GREEN	48" AFF	(1) 1"	IDF ROOM
P	PROJECTOR	1		CAT 6A FU/TP	GREEN	1 - GANG	GREEN	FLUSH CEIL.	(1) 1"	IDF ROOM
C	COMMUNICATIONS ACCESS POINT	1		CAT 6A FU/TP	GREEN	1 - GANG	GREEN	ABOVE CEIL.	(1) 1"	IDF ROOM
T	TELEMETRY ACCESS POINT	1		CAT 6 UTP	YELLOW	1 - GANG	YELLOW	ABOVE CEIL.	(1) 1"	IDF ROOM
PM	PHYSIOLOGICAL MONITORING	1		CAT 6 UTP	YELLOW	1 - GANG	YELLOW	86" AFF	(1) 1"	IDF ROOM
CM	CENTRAL MONITORING	4		2 CAT 5E FU/TP 2 CAT 5E UTP	YELLOW YELLOW	1 - GANG	YELLOW YELLOW	18" AFF	(1) 1"	IDF ROOM
NC	NURSE CALL WAO	1		CAT 6 UTP	WHITE	1 - GANG	WHITE	ABOVE CEIL., ADJACENT TO DOOR CONTROLLER	(1) 1"	IDF ROOM
GW	BAS GATEWAY	2		CAT 6 UTP	BLUE	1 - GANG	BLUE	ABOVE CEIL.	(1) 1"	IDF ROOM
J	JOY STICK FOR GAMING	1		CAT 6 UTP	VIOLET	1 - GANG	VIOLET	18" AFF	(1) 1"	IN-ROOM TV OUTLET
E	ELEVATOR PHONE & MONITOR	2		CAT 6 UTP	GREEN	1 - GANG	GREEN	38" AFF	(1) 1"	IDF ROOM
M	TRACKING MONITOR	2		CAT 6A FU/TP	GREEN	1 - GANG	GREEN	COORDINATE WITH MOUNT INSTALLER	(1) 1"	IDF ROOM
PT	PNEUMATIC TUBE	1		CAT 6 UTP	BLACK	1 - GANG	BLACK	SEE DRAWINGS	(1) 1"	IDF ROOM
S	OVERHEAD PAGING SPEAKER	1		CAT 6A FU/TP	GREEN	1 - GANG	GREEN	ABOVE CEIL.	(1) 1"	IDF ROOM

*NOTE: PATCH CORDS AT IDF/IDF ROOMS ARE BY CNS. COORDINATE WORK WITH CNS.

ELECTRICAL IDENTIFICATION REQUIREMENTS

NOTES: THIS DIAGRAM REPRESENTS HOW EQUIPMENT IS LABELED ON THE DIVISION 26 ELECTRICAL DRAWINGS AND SPECIFICATIONS.

KEYPLAN RISER DESIGNATION ONLY APPLIES TO EQUIPMENT LOCATED IN OR BEING SERVED DIRECTLY FROM AN ELECTRICAL ROOM/CLOSER LOCATED IN ONE OF THE BUILDING AREAS AS IDENTIFIED BY THE KEY PLANS FOUND ON EACH SHEET.



GENERAL ELECTRICAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS)

- EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS DISCRETION.
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEERS.
- ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC., AT LEAST TEN DAYS PRIOR TO BID DATE TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC., AT LEAST TEN DAYS PRIOR TO THE BID DATE. (SEE ALSO NOTE 21)
- DEVIATION FROM SPECIFICATIONS OF PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE. (SEE ALSO NOTE 21)
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
- INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
- DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING, AS REQUIRED BY CODES. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
- THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
- ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEERS, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLETE ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH ARCHITECT.
- WHERE PENETRATING NEW/EXISTING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER/ARCHITECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, ETC.)
- COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2' X 2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2' X 4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION, AS INDICATED.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- CHECK ALL THREE PHASE MOTORS WITH 0 ROTATION METER, PRIOR TO PLACING IN SERVICE.
- PROVIDE DETAILED SHOP DRAWINGS TO ENGINEERS PRIOR TO PURCHASING AND INSTALLING ANY EQUIPMENT.
- DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC., FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC., FOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEMS, CONTACT THE ENGINEERS BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS, AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- WHERE FIRE RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE RATED, APPROVED GYPSUM BOARD ENCLOSURES ABOVE LIGHT FIXTURES, CEILING DEVICES, ETC., IN OR ON CEILING, TO MAINTAIN CEILING RATINGS.

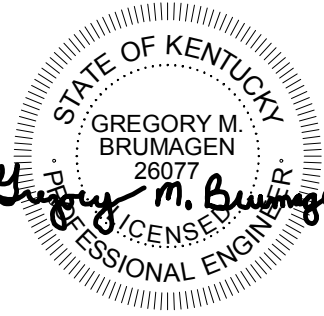
GENERAL ELECTRICAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS)

- COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC., WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY THE UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY, APPROVED AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT. UNLESS WAIVED BY THE ENGINEER IN WRITING.
- ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPICES CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR SHALL BE INSTALLED CONTINUOUS INSOFAR AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
- ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE. IN WRITING. SUPPORTING FROM CROSS BRACING OR ROOF DECK WILL NOT BE ALLOWED.
- WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT THE ENGINEER FOR DIRECTION PRIOR TO INSTALLING WORK.
- FLUSH OR PEDESTAL - TYPE FLOOR OUTLETS, AS INDICATED ON PLAN SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGH-IN ANY WORK.
- AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING SCHEDULES ON THESE DRAWINGS FOR THE SEQUENCING OF WORK. FULL EXTENT OF AREA INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
- WHERE EXIT LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTACTOR CONTROL, AN UNSWITCHED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORD WITH THE ARCHITECTS STANDARDS FOR SUCH WORK. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
- INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT. AT LEAST TWO WEEKS IN ADVANCE OF THE ANTICIPATED INTERRUPTION, A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED, TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUSTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT AND SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC., TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVERS OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- REFER TO ARCHITECTURAL DETAILS AS APPLICABLE FOR RECESSED SOFFIT FIXTURES. ADJUST FIXTURE LENGTHS BY FIELD MEASUREMENT OF SOFFIT, AS NECESSARY.
- WHERE OUTLETS ARE LOCATED APPROXIMATELY BACK-TO-BACK ON OPPOSITE SIDES OF A PARTY WALL, THE OUTLETS SHALL NOT BE INSTALLED IN THE SAME STUD SPACE, BUT SHALL BE SEPARATED BY A MINIMUM OF ONE STUD.
- ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
- ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATION PRIOR TO INSTALLING ANY SUCH WORK.
- DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

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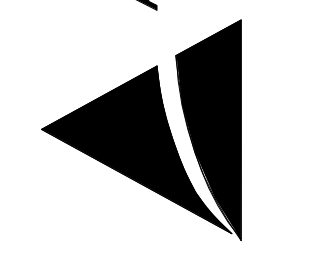


Revision Schedule

Revision #1	11/03/2018
Revision #2	10/09/2018

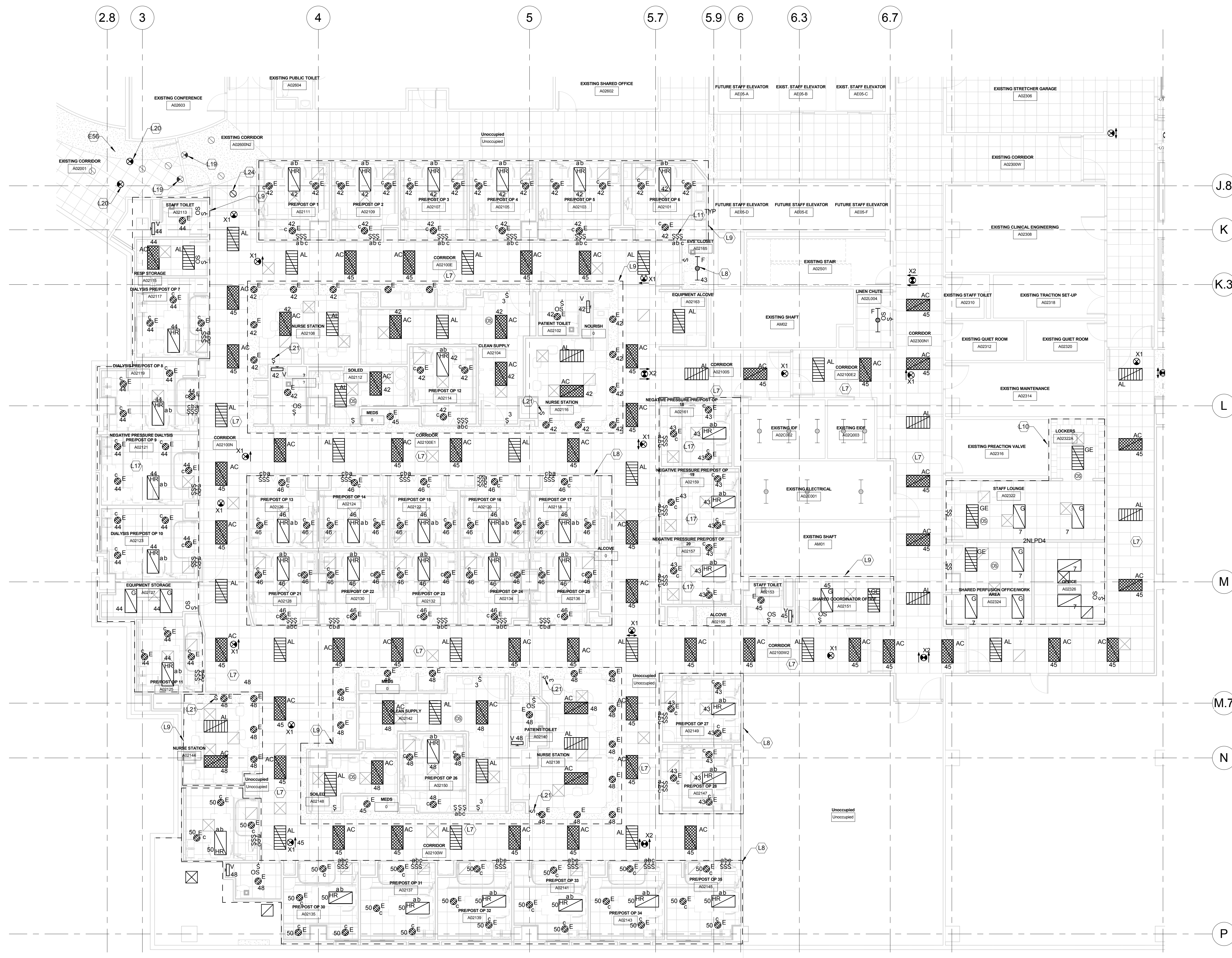
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

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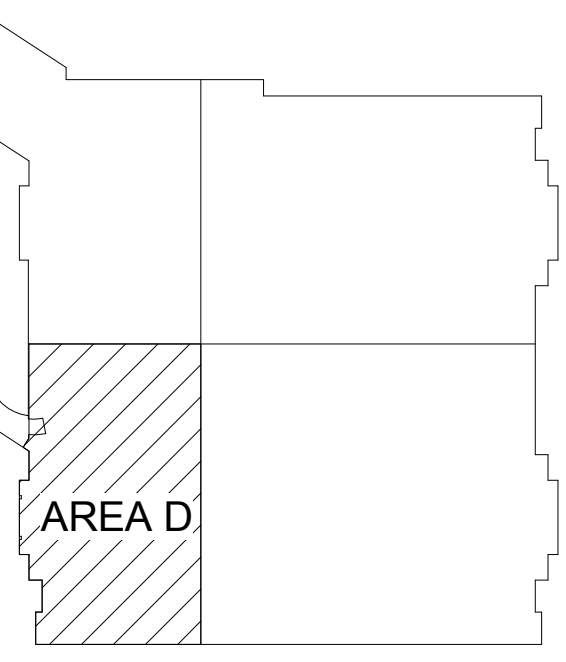
ELECTRICAL
GENERAL
NOTES

E0.02



1 PARTIAL SECOND FLOOR PLAN - LIGHTING - AREA D - NEW WORK
1/8" = 1'-0"

TAGGED NOTES	
E55	DEMOLISH POWER CIRCUIT TO EXISTING DOOR OPERATOR AND RELOCATE TO NEW DOOR LOCATION. REFER TO TAGGED NOTE E56 BELOW.
E56	RELOCATED DOOR OPERATOR. EXTEND EXISTING CIRCUIT FROM TAGGED NOTE E55 ABOVE.
L7	ALL LIGHTING IN THE CORRIDORS (AREA D) SHALL BE FED FROM PANEL 2CLPD4 AND 2LLPD1. CIRCUIT NUMBERS AS INDICATED ADJACENT TO THE FIXTURE FOR PANEL 2CLPD4. PANEL 2LLPD1 IS EXISTING. PROVIDE 20A/1P BREAKER TO FEED LIFE SAFETY FIXTURES IN CORRIDORS.
L8	LIGHTING IN THIS AREA SHALL BE FED FROM PANEL 2CLPD4. CIRCUIT NUMBERS AS INDICATED ADJACENT TO THE FIXTURE.
L9	LIGHTING IN THIS AREA SHALL BE FED FROM PANEL 2CLPD4 AND 2LLPD1. CIRCUIT NUMBERS AS INDICATED ADJACENT TO THE FIXTURE. PANEL 2LLPD1 IS EXISTING. PROVIDE 20A/1P BREAKER TO FEED LIFE SAFETY FIXTURES.
L10	LIGHTING IN THIS AREA SHALL BE FED FROM PANEL 2NLPD4 AND 2LLPD1. CIRCUIT NUMBERS AS INDICATED ADJACENT TO THE FIXTURE FOR PANEL 2NLPD4. PANEL 2LLPD1 IS EXISTING. PROVIDE 20A/1P CIRCUIT TO FEED LIFE SAFETY FIXTURES.
L11	SWITCHING FOR EXAMREADING FIXTURE "HR" ABOVE PATIENT BED: PROVIDE ONE (1) RED ROCKER SWITCH TO CONTROL READING FUNCTION. PROVIDE ONE (1) RED LOW VOLTAGE TOGGLE SWITCH TO CONTROL EXAM FUNCTION. PROVIDE ONE (1) SWITCH FOR AMBIENT LIGHT CONTROL. ALSO, INSTALL HILL-ROM PROVIDED CONTROL MODULE. COORDINATE CONTROL REQUIREMENTS WITH HILL-ROM. TYPICAL ALL PRE-POST OF ROOMS.
L17	NEGATIVE AIR PRESSURE ROOM. CAULK ALL PENETRATIONS AIR TIGHT AND PROVIDE DUCT SEAL FOR ALL CONDUIT AT FIRST OPENING INSIDE OR OUTSIDE OF ROOM.
L19	DEMOLISH EXISTING EXIT SIGN TO BE RELOCATED TO NEW DOOR LOCATION. EXTEND CIRCUIT TO NEW LOCATION. REFER TO TAGGED NOTE L20 FOR LOCATION.
L20	RELOCATED EXIT SIGN. REFER TO TAGGED NOTE L19.
L21	SWITCH SHALL CONTROL LIGHTING IN NURSES STATION.
L24	MATCH EXISTING CAN LIGHT IN CORRIDOR. TIE INTO CORRIDOR LIGHTING CIRCUIT.
S46	DEMOLISH EXISTING SMOKE DETECTOR FOR RELOCATION. EXTEND EXISTING CIRCUIT TO NEW LOCATION. REFER TO TAGGED NOTE S47 BELOW.
S47	RELOCATED SMOKE DETECTOR. REFER TO TAGGED NOTE S46 FOR ADDITIONAL INFORMATION.
S48	DEMOLISH EXISTING PUSH PLATE DEVICE FOR RELOCATION. DOOR SHALL OPERATE AS IT DOES IN THE CURRENT LOCATION. REFER TO TAGGED NOTE S49 BELOW.
S49	RELOCATED PUSH PLATE DEVICE. REFER TO TAGGED NOTE S48 ABOVE FOR ADDITIONAL INFORMATION.
S50	DEMOLISH EXISTING DOOR HOLD OPEN DEVICE FOR RELOCATION. DOOR SHALL OPERATE AS IT DOES IN THE CURRENT LOCATION. REFER TO TAGGED NOTE S51 BELOW.
S51	RELOCATED DOOR HOLD OPEN DEVICE. REFER TO TAGGED NOTE S50 ABOVE FOR ADDITIONAL INFORMATION.

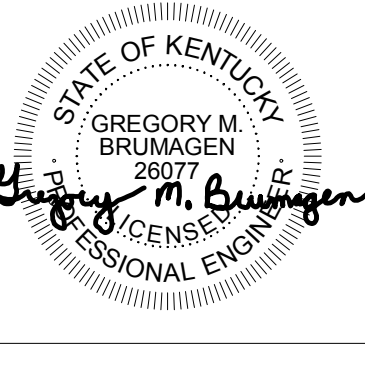


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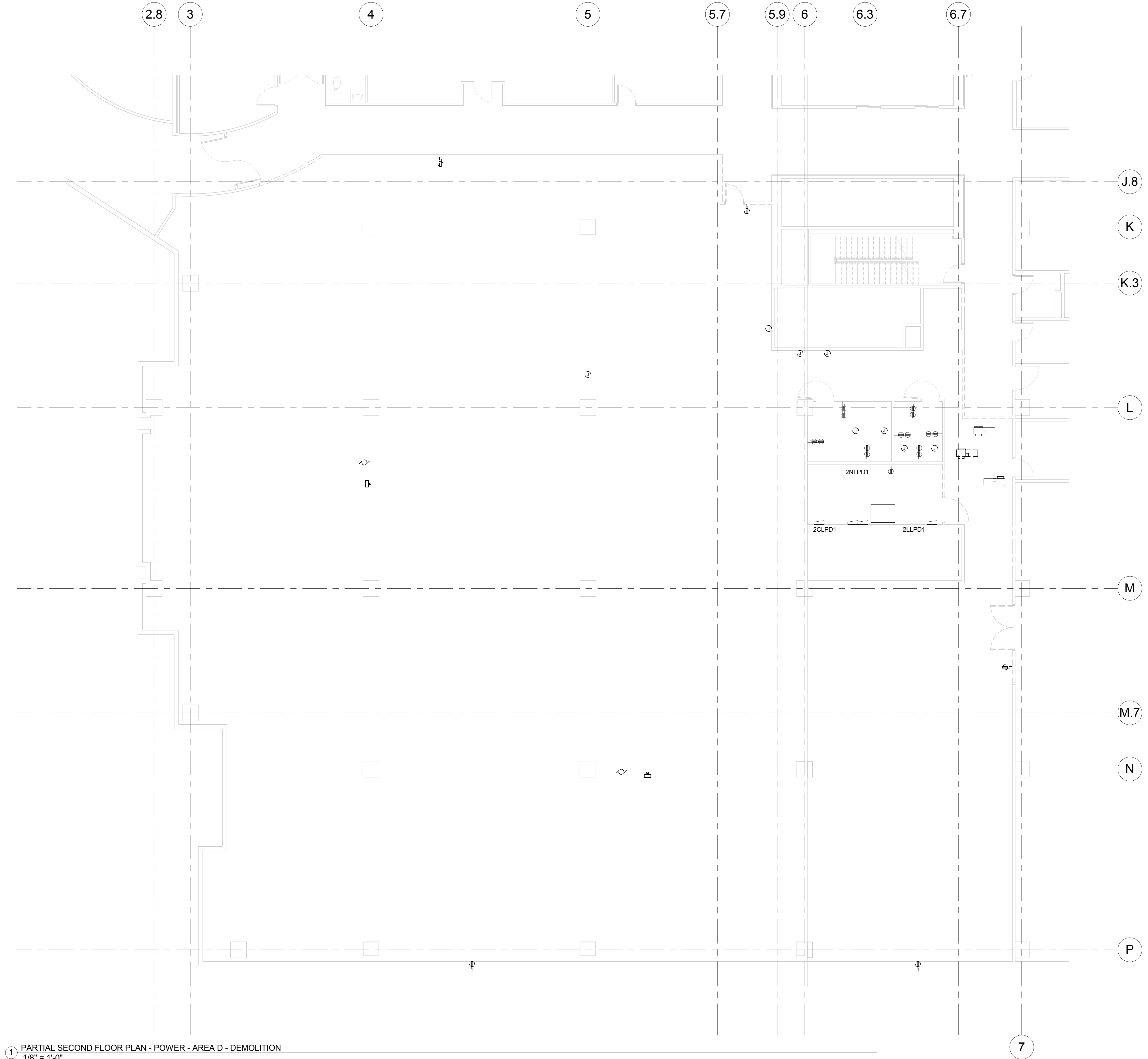


Revision Schedule	
Revision #	11/13/2018
Drawn by	18010017
Check by	18010017
Appr. by	18010017

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
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RECORD DRAWINGS

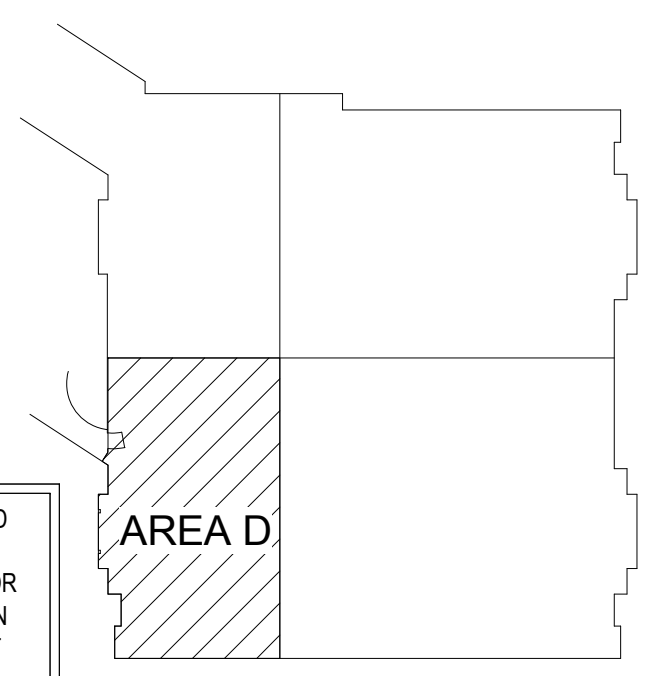
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SECOND FLOOR PLAN - LIGHTING - AREA D - NEW WORK
E1.22D



1 PARTIAL SECOND FLOOR PLAN - POWER - AREA D - DEMOLITION
1/8" = 1'-0"

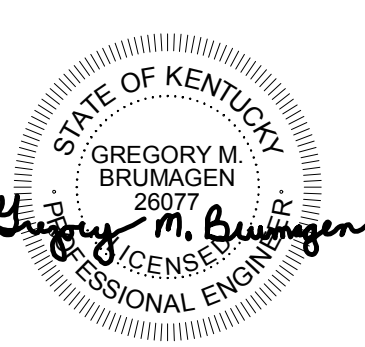
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Revision Schedule

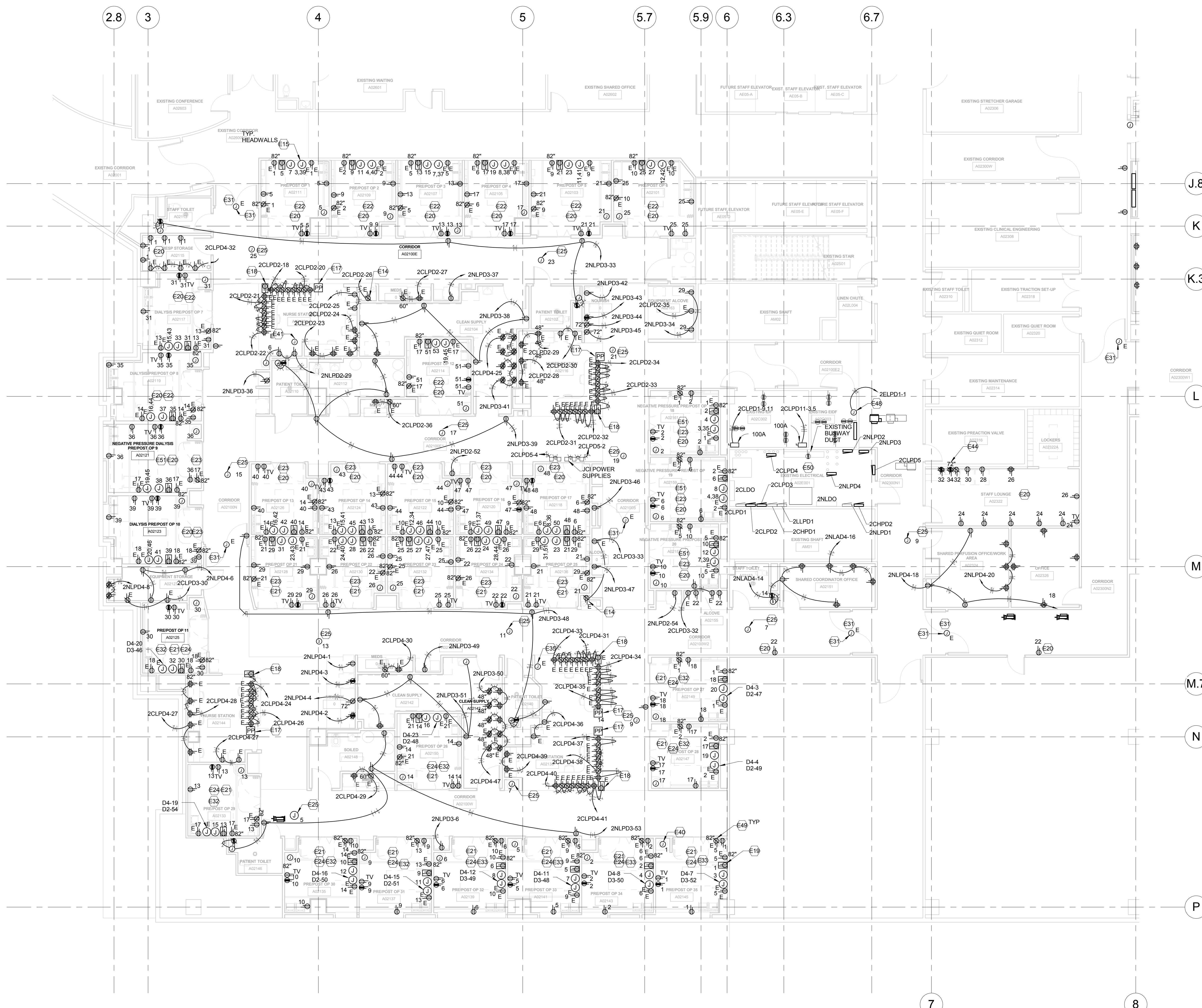
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SECOND FLOOR PLAN - POWER - AREA D - DEMOLITION
E1.23D

General notes:

1. ALL NEW ELECTRICAL PANELS, TOP FEED PANELS SHALL BE FED FROM THE TOP AND BOTTOM FEED PANELS SHALL BE FED FROM THE BOTTOM. FEEDER CABLES SHALL NOT BE INSTALLED IN THE SIDE GUTTER OF A PANEL.



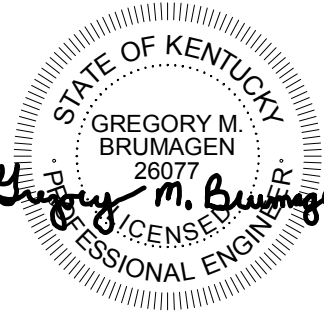
1 PARTIAL SECOND FLOOR PLAN - POWER - AREA D - NEW WORK
1/8" = 1'-0"

TAGGED NOTES	
E14	PROVIDE 120 VOLT CRITICAL ELECTRICAL CONNECTION TO PNEUMATIC TUBE STATION. COORDINATE RECEPTACLE LOCATION PRIOR TO ROUGH-IN.
E15	TYPICAL AT ALL HEADWALLS. PROVIDE NORMAL POWER AND CRITICAL EMERGENCY POWER CONNECTIONS TO HILL-ROM HEAD WALL SYSTEM. REFER TO HILL-ROM HEAD WALL INFORMATION FOR CONNECTION DETAILS AND RECEPTACLE LOCATIONS. DEVICES PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
E17	TYPICAL AT ALL NURSE STATIONS. ROUTE ELECTRICAL FEEDS FOR CIRCUITS AT NURSE DESKS FROM CEILING IN DIVIDED POWER POLE TO CHASE AT DESKS. REFER TO ARCHITECTURAL SHEETS FOR FABRICATED RACEWAY BETWEEN DESK LOCATIONS.
E18	COORDINATE CEILING MOUNTED RECEPTACLE AT NURSE STATION WITH CEILING HUNG MONITOR.
E19	COORDINATE RECEPTACLE MOUNTING LOCATION FOR PATIENT LIFT POWER PRIOR TO ROUGH-IN. REFER TO LIFT MANUFACTURER'S INSTRUCTIONS. PROVIDE 120 VOLT NORMAL POWER CIRCUIT. TYPICAL ALL PATIENT ROOMS.
E20	NUMBERS NEXT TO RECEPTACLE INDICATE CIRCUIT BREAKER/CIRCUIT DESIGNATION IN PANEL SCHEDULES. CIRCUIT ALL NORMAL RECEPTACLES IN THIS ROOM TO PANEL 2NLPD2. PROVIDE 2#12, 1#12 GROUND IN 3/4" BETWEEN RECEPTACLE AND PANEL. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
E21	NUMBERS NEXT TO RECEPTACLE INDICATE CIRCUIT BREAKER/CIRCUIT DESIGNATION IN PANEL SCHEDULES. CIRCUIT ALL EMERGENCY RECEPTACLES IN THIS ROOM TO PANEL 2NLPD2. PROVIDE 2#12, 1#12 GROUND IN 3/4" BETWEEN RECEPTACLE AND PANEL. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
E22	NUMBERS NEXT TO RECEPTACLE INDICATE CIRCUIT BREAKER/CIRCUIT DESIGNATION IN PANEL SCHEDULES. CIRCUIT ALL EMERGENCY RECEPTACLES IN THIS ROOM TO PANEL 2CLPD2. UNLESS NOTED OTHERWISE. PROVIDE 2#12, 1#12 GROUND IN 3/4" BETWEEN RECEPTACLE AND PANEL. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
E23	NUMBERS NEXT TO RECEPTACLE INDICATE CIRCUIT BREAKER/CIRCUIT DESIGNATION IN PANEL SCHEDULES. CIRCUIT ALL EMERGENCY RECEPTACLES IN THIS ROOM TO PANEL 2NLPD3. UNLESS NOTED OTHERWISE. PROVIDE 2#12, 1#12 GROUND IN 3/4" BETWEEN RECEPTACLE AND PANEL. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
E24	NUMBERS NEXT TO RECEPTACLE INDICATE CIRCUIT BREAKER/CIRCUIT DESIGNATION IN PANEL SCHEDULES. CIRCUIT ALL EMERGENCY RECEPTACLES IN THIS ROOM TO PANEL 2CLPD4. UNLESS NOTED OTHERWISE. PROVIDE 2#12, 1#12 GROUND IN 3/4" BETWEEN RECEPTACLE AND PANEL. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
E25	CONNECTION FOR USE BY MECHANICAL CONTRACTOR FOR PNEUMATIC VALVE CONTROL POWER. CIRCUIT TO PANEL 2CLPD5. CIRCUIT NUMBER AS INDICATED.
E31	PROVIDE 20A/1P BREAKER IN PANEL LLPD1. PROVIDE 2#12, 1#12 GROUND IN 3/4" CONDUIT BETWEEN DOOR HARDWARE POWER SUPPLIES.
E32	CIRCUIT ONE OF THE HEADBOARD EMERGENCY CIRCUITS FROM PANEL 2CLPD2 AS INDICATED BY NUMBER NEXT TO JUNCTION BOX.
E33	CIRCUIT ONE OF THE HEADBOARD EMERGENCY CIRCUITS FROM PANEL 2CLPD3 AS INDICATED BY NUMBER NEXT TO JUNCTION BOX.
E35	NUMBERS NEXT TO RECEPTACLE INDICATE CIRCUIT BREAKER/CIRCUIT DESIGNATION IN PANEL SCHEDULES. CIRCUIT ALL NORMAL RECEPTACLES IN THIS ROOM TO PANEL 2NLPD1. PROVIDE 2#12, 1#12 GROUND IN 3/4" BETWEEN RECEPTACLE AND PANEL. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
E40	CIRCUIT AUTOMATIC FAUCET CONNECTION TO NEAREST NORMAL POWER RECEPTACLE CIRCUIT AS NOTED IN EACH ROOM. COORDINATE CONNECTION WITH SENSOR INSTALLER.
E41	CONNECTION TO MED GAS ALARM PANEL. COORDINATE LOCATION WITH MED GAS INSTALLER PRIOR TO ROUGH-IN.
E44	COORDINATE RECEPTACLE WITH MICROWAVE LOCATION FOR ADDITIONAL INFORMATION.
E48	CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
E49	COORDINATE RECEPTACLE WITH MONITOR LOCATION PRIOR TO ROUGH-IN.
E50	PROVIDE #10 BONDING JUMPER TO PANELS 2NLPD2, 2NLPD3, 2CLPD2, 2CLPD3 AND 2CLPD4.
E51	NEGATIVE AIR PRESSURE ROOM. CAULK ALL PENETRATIONS AIR TIGHT AND PROVIDE DUCT SEAL FOR ALL CONDUIT AT FIRST OPENING INSIDE OR OUTSIDE OF ROOM.

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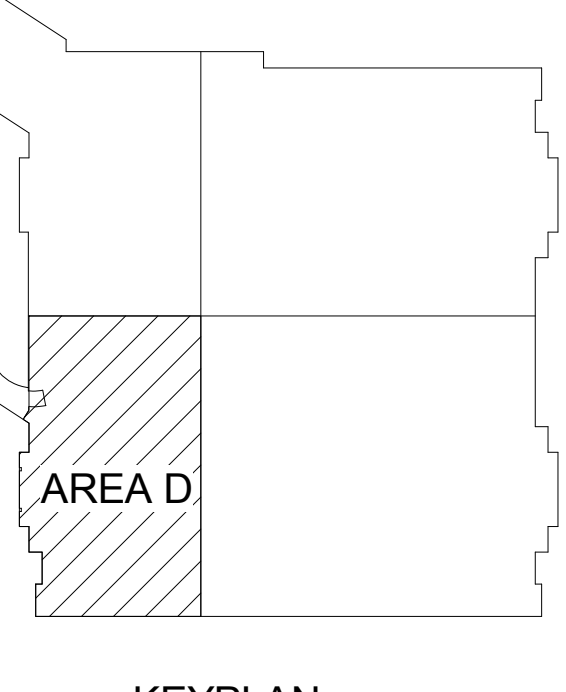
Revision Schedule	
1	11/13/2018
2	06/01/2017
3	06/01/2017
4	11/15/17
5	07/13/2018

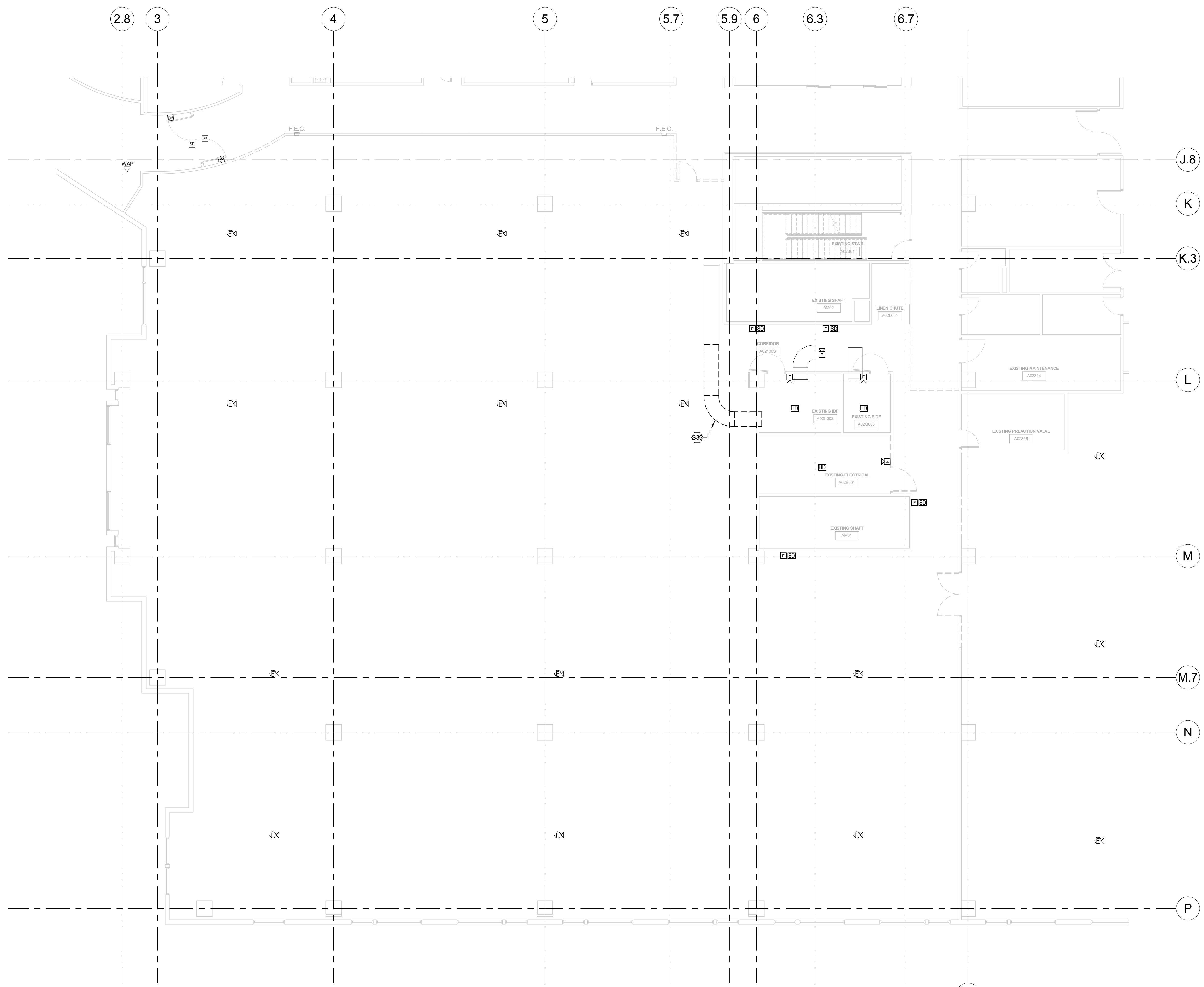
PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
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SECOND FLOOR PLAN - POWER - AREA D - NEW WORK E1.24D

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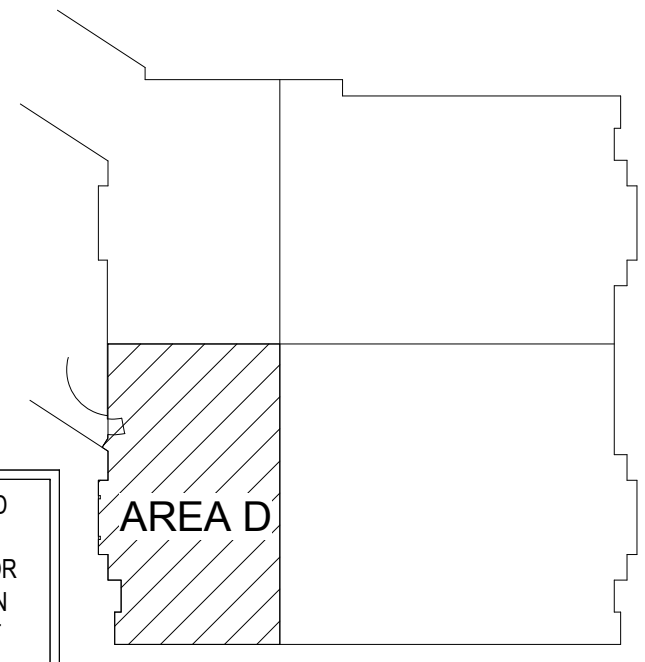




TAGGED NOTES	
S39	RE-ROUTE EXISTING LOW VOLTAGE CABLING IN DEMOLISHED TRAY. COORDINATE WORK WITH UK CNS.

1 PARTIAL SECOND FLOOR PLAN - SYSTEMS - AREA D - DEMOLITION
1/8" = 1'-0"

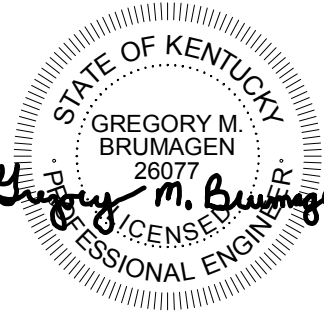
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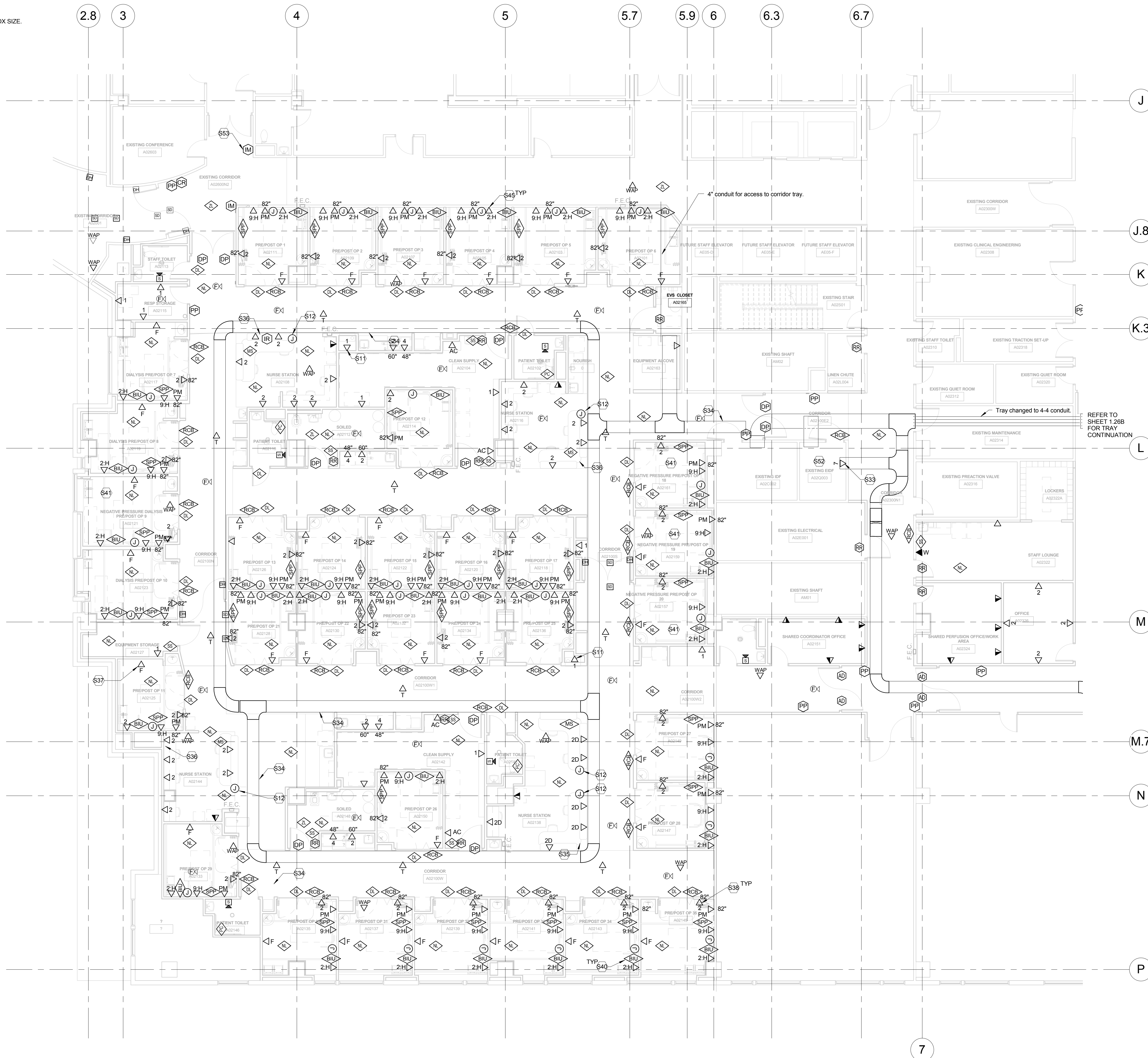
Revision Schedule	
1	Issued 11/03/2018

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UNIVERSITY OF KENTUCKY
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SECOND FLOOR PLAN - SYSTEMS - AREA D - DEMOLITION
E1.25D

GENERAL NOTES:
 1. REFER TO HILL-ROOM DRAWINGS AND CONTRACTOR SPECIFICATIONS FOR ADDITIONAL INFORMATION ON THE NURSE CALL AND HEADWALL SYSTEMS AS WELL AS BED MULTIFUNCTION LIGHT, CABLING, LABELS AND BACK BOX SIZE.
 2. REFER TO THE PHILLIPS DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATION OF REQUIREMENTS.

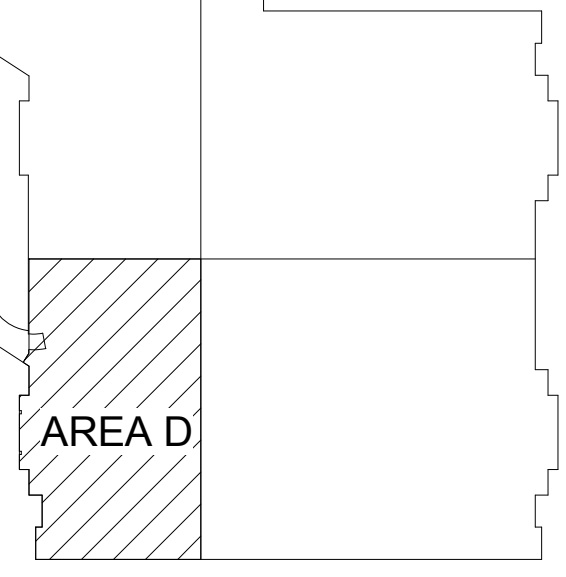


TAGGED NOTES	
S11	MOUNT DATA OUTLET IN PNEUMATIC TUBE RECESSED STATION ENCLOSURE AT TOP RIGHT OF BACK OF ENCLOSURE. ROUTE CONDUIT THROUGH KNOCKOUT OF ENCLOSURE. ENLARGE AS NECESSARY TO ACCOMMODATE A 1" CONDUIT. COORDINATE WITH TUBE STATION INSTALLER PRIOR TO ROUGH-IN.
S12	COORDINATE JUNCTION BOX WITH POWER POLE LOCATIONS. TYPICAL ALL NURSE STATIONS. ALL DATA CABLING TO NURSE STATION SHALL ROUTE THROUGH POWER POLE.
S33	INSTALL 7 DATA DROPS TO THE MECHANICAL CONTROL PANEL.
S34	INSTALL NEW 30" WIDE 5" DEEP LADDER TYPE CABLE TRAY. INSTALL MINIMUM OF 6" ABOVE CEILING REFER TO DETAIL ON SHEET E7.01
S35	PHILLIPS MAIN CONTROL PANEL. PROVIDE THREE (3) CAT 6 CABLES BACK TO THE EIDF CLOSET A020003.
S36	PHILLIPS MONITOR. PROVIDE THREE (3) CAT 6 CABLES BACK TO THE EIDF CLOSET A020003.
S37	INSTALL 3/4" CONDUIT FROM TV LOCATION TO HEADWALL FOR CONNECTION TO THE FILLLOW SPEAKER CONTROLS.
S38	COORDINATE OUTLET WITH MONITOR LOCATION PRIOR TO ROUGH-IN.
S40	COORDINATE WITH BED LOCATION PRIOR TO ROUGH-IN.
S41	NEGATIVE AIR PRESSURE ROOM. CAULK ALL PENETRATIONS AIR TIGHT AND PROVIDE DUCT SEAL FOR ALL CONDUIT AT FIRST OPENING INSIDE OR OUTSIDE OF ROOM.
S45	OUTLETS NOTED WITH AN "F" ARE TO BE INSTALLED IN THE HILL-ROOM HEADWALL SYSTEM. COORDINATE INSTALLATION WITH HILL-ROOM DOCUMENTS PRIOR TO ROUGH-IN.
S52	INSTALL FOUR (4) PATCH CABLES FROM THE EIDF TO THE IDF FOR THE PHILLIPS MONITORING SYSTEM. COORDINATE WITH PHILLIPS INSTALLER.
S53	INSTALL AIPHONE TO THE LEFT OF THE EXISTING PUSH PLATE AND KEY SWITCH ON THIS WALL. AIPHONE TO TIE INTO THE NEW AIPHONE INTERCOM SYSTEM THAT IS BEING INSTALLED INTO NURSE STATION A02108. PHONE SHALL ALSO TIE INTO EXISTING PACU NURSE STATION. EXISTING PACU NURSE STATION SHALL BE THE PRIMARY CALL IN LOCATION WITH THE NEW PACU A02108 BEING THE SECONDARY CALL LOCATION.

REFER TO SHEET E1.26B FOR TRAY CONTINUATION

1 PARTIAL SECOND FLOOR PLAN - SYSTEMS - AREA D - NEW WORK
 1/8" = 1'-0"

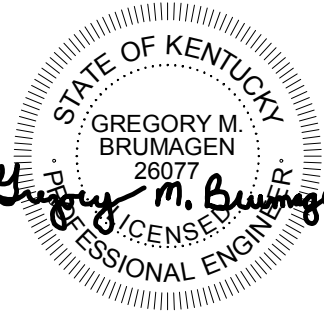
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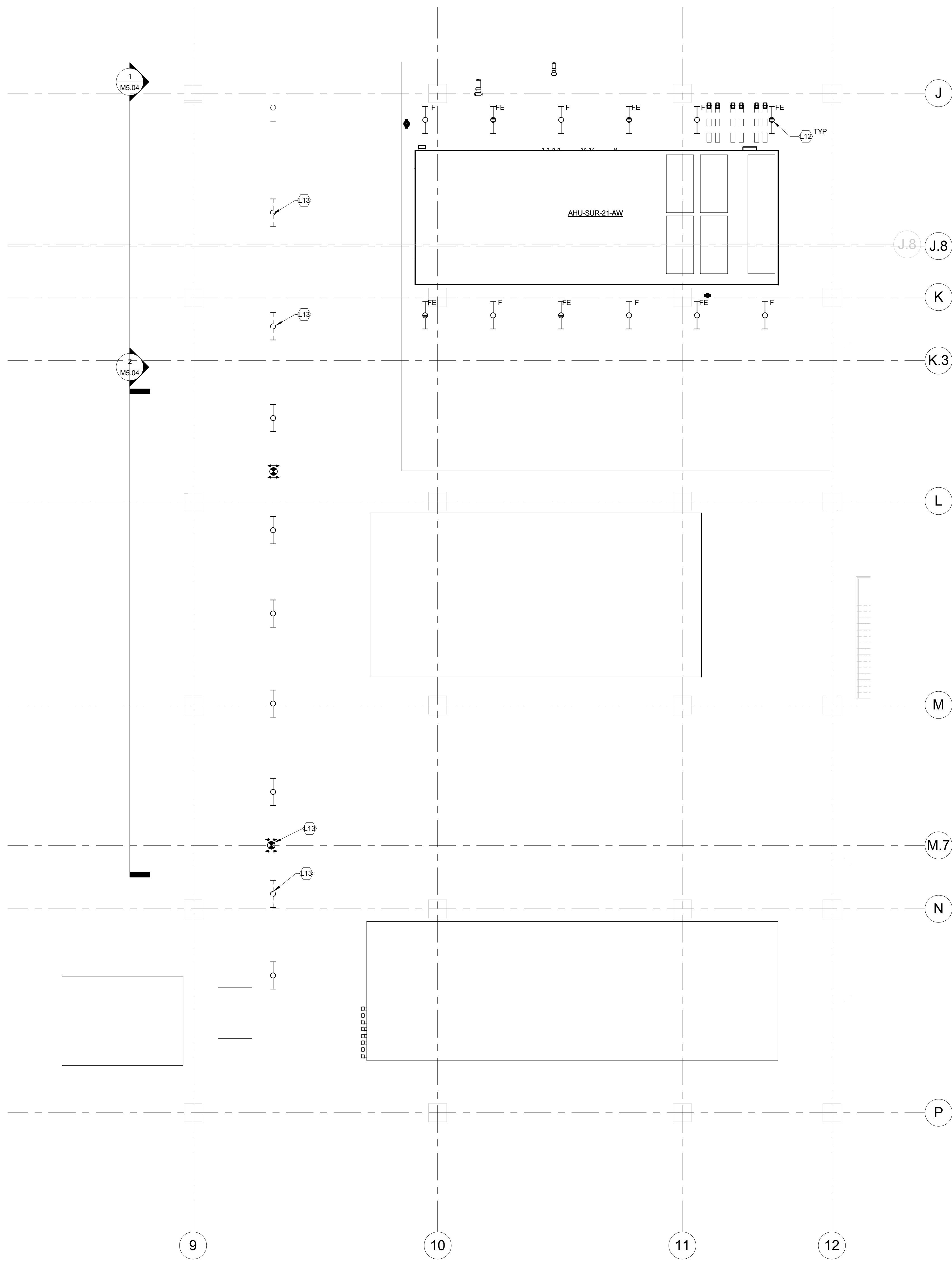


Revision Schedule	
1	11/3/2016
2	11/3/2016
3	06/29/2017
4	11/29/2017
5	08/11
6	08/11
7	11/17

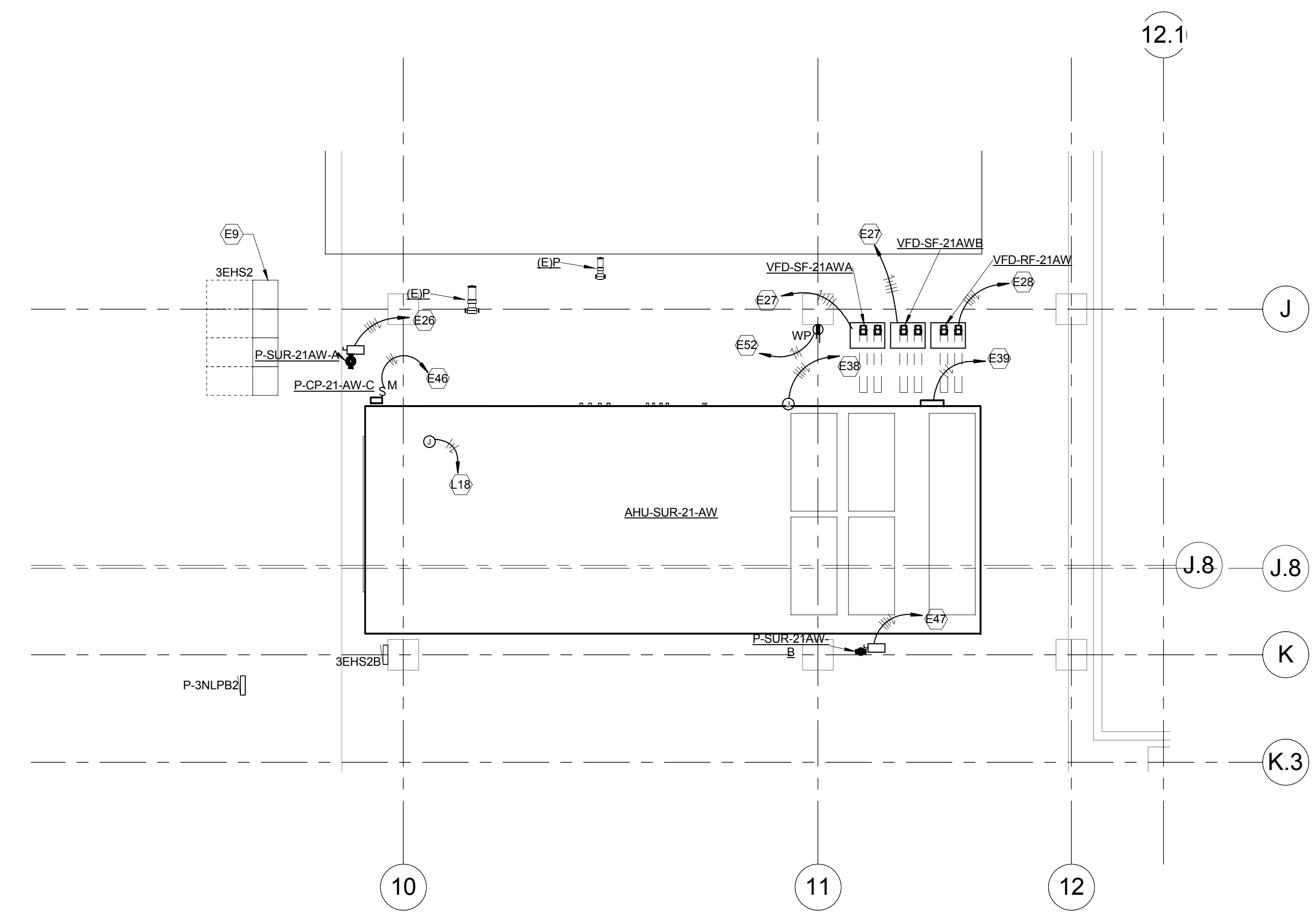
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SECOND FLOOR PLAN - SYSTEMS - AREA D - NEW WORK
E1.26D

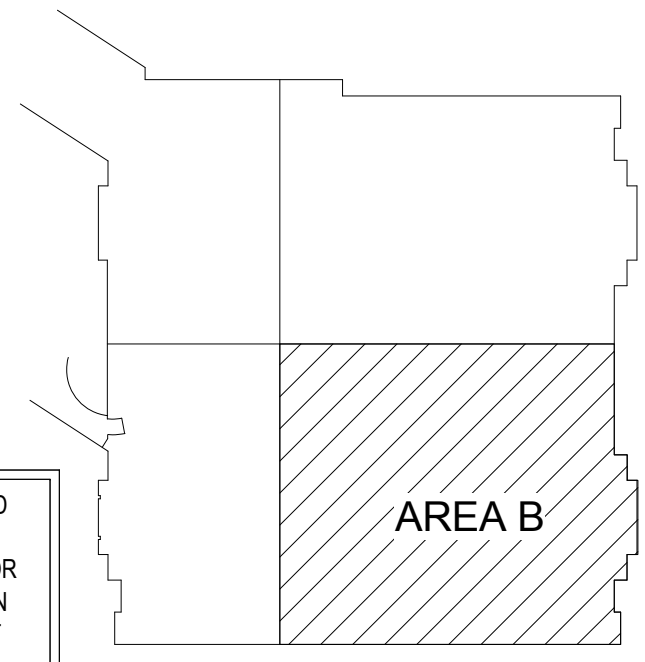


2 PARTIAL THIRD FLOOR PLAN - LIGHTING NEW WORK
1/8" = 1'-0"



1 PARTIAL THIRD FLOOR PLAN - POWER - NEW WORK
1/8" = 1'-0"

TAGGED NOTES	
E9	EXISTING GE SWITCHGEAR, 480/277V, 3PH, 4W, FEED NEW AHU AND PUMPS FROM THIS SWITCHGEAR.
E26	FEEDER FOR CHILLED WATER FREEZE PROTECTION PUMP P-SUR-21AW-A, CIRCUIT TO PANEL 3EHS2 WITH 4#12, #12 GROUND IN 3/4" CONDUIT AND 20A/3P BREAKER.
E27	CONNECTIONS TO SUPPLY FANS, CIRCUIT TO PANEL 3EHS2, INSTALL A 225A/3P BREAKER AND FEED 21AWA WITH 4#10, #4 GROUND IN 2 1/2" CONDUIT, INSTALL A 225A/3P BREAKER AND FEED 21AWB WITH 4#10, #4G IN 2 1/2" CONDUIT.
E28	CONNECTION TO RETURN FAN, CIRCUIT TO PANEL 3EHS2B WITH 4#20, #6 GROUND IN 2" CONDUIT AND INSTALL A NEW 150A/3P BREAKER.
E38	DEDICATED CIRCUIT TO PURGINEX UV LIGHTING, REFER TO MANUFACTURERS INSTRUCTIONS PRIOR TO ROUGH IN, CIRCUIT TO BE A 50A, 208V, 3PHASE BREAKER INSTALLED IN PANEL 3NLPB2, FEEDER TO BE THREE (3) #8, #10G IN 1" CONDUIT.
E39	DEDICATED CIRCUIT TO TEMPERATURE CONTROL PANEL, 20A, 1P BREAKER FED FROM PANEL 3NLPB2, FEEDER TO BE (3) #12 IN 3/4" CONDUIT.
E46	HUMIDIFIER STEAM CONDENSATE, INSTALL NEW 20A/1P BREAKER IN PANEL 3NLPB2, FEEDER SHALL BE 3 #12 IN 3/4" CONDUIT.
E47	HOT WATER COIL FREEZE PROTECTION PUMP, CIRCUIT TO PANEL 3EHS2 WITH 4#12, #12 GROUND IN 3/4" CONDUIT AND 15A/3P BREAKER.
E52	PROVIDE 20A/1P BREAKER IN EXISTING PANELBOARD 3NLPB2 FOR 120V CIRCUIT TO NEW MAINTENANCE RECEPTACLE, EXTEND 2#12, #12 GROUND IN 3/4" CONDUIT FOR CIRCUIT.
L12	UTILIZE EXISTING EMERGENCY LIGHTING CIRCUIT TO FEED NEW EMERGENCY LIGHTING AROUND AHU, PROVIDE NEW 20A/1P BREAKER IN PANEL 3NLPB2 TO FEED NEW NORMAL LIGHTING AROUND AHU, CIRCUIT TO BE 3 #12 IN 3/4" CONDUIT.
L13	RELOCATE LIGHT FIXTURE AS NECESSARY FOR NEW DUCTWORK ROUTING, COORDINATE WITH NEW DUCTWORK INSTALLATION CONTRACTOR.
L18	PROVIDE 20A/1P BREAKER IN EXISTING PANELBOARD 3NLPB2 FOR 120V CIRCUIT TO MAINTENANCE LIGHTING IN AIR HANDLING UNIT, EXTEND 2#12, #12 GROUND IN 3/4" CONDUIT FOR CIRCUIT.



KEYPLAN

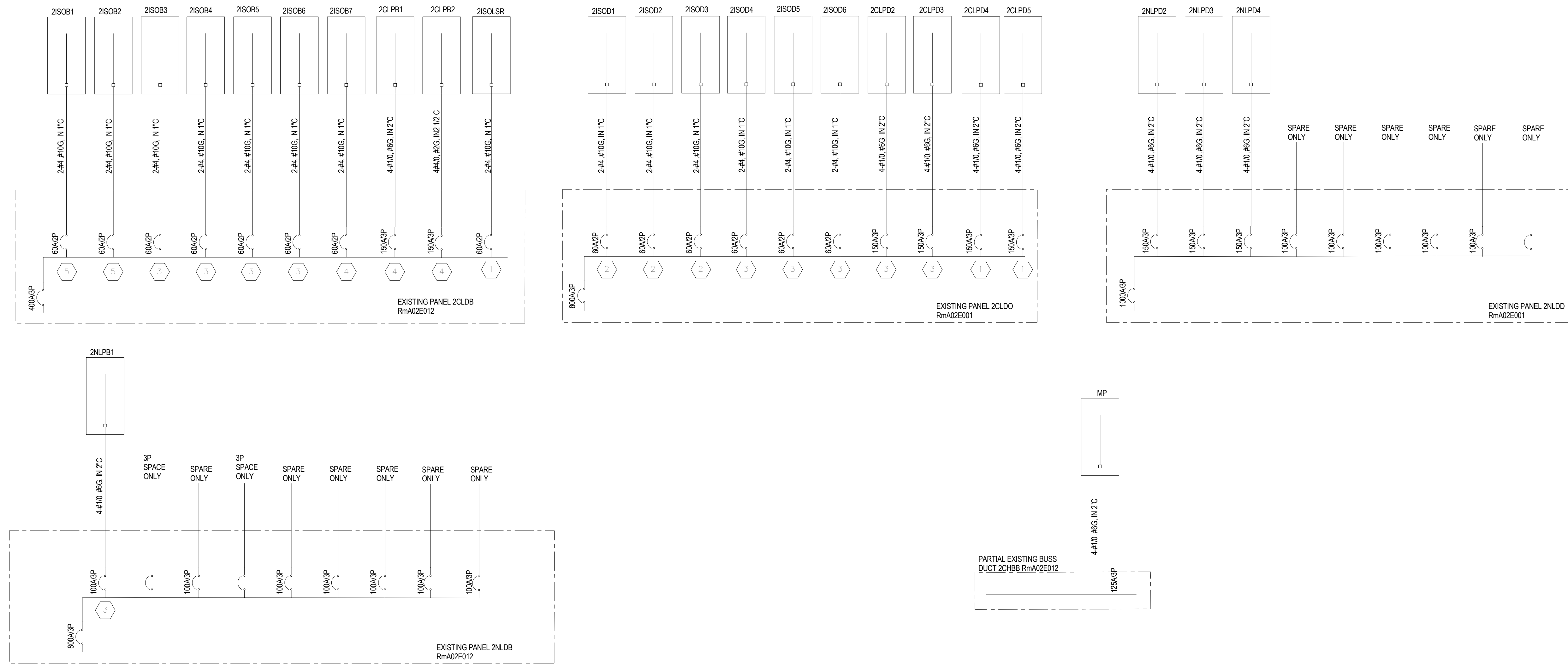
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GENERAL NOTES:

- FOR FLUSH MOUNTED PANELBOARDS, PROVIDE 3/4" CONDUIT STUBS TO ACCESSIBLE CEILING SPACE ABOVE PANEL FOR FUTURE CIRCUITS. PROVIDE SPARE CONDUIT STUB UPS FOR ALL KNOCKOUTS.
- PAINT ALL FLUSH MOUNTED PANELBOARDS TO MATCH WALL.
- PROVIDE TERMINAL ADAPTERS LUGS AS REQUIRED FOR TERMINATION OF INCREASED CONDUCTOR SIZES THAT EXCEED BREAKER LUG SIZING, AS NEEDED.
- CONDUIT/WIRE FEEDERS TO PANELBOARDS, SWITCHBOARDS, ETC., SHALL BE REMOVED IN THEIR ENTIRETY. IF FEEDERS BEING DEMOLISHED ARE ROUTED UNDERSLAB, THEN THE CONDUCTORS SHALL BE REMOVED AND CONDUIT SHALL BE ABANDONED (REMOVE CONDUITS TO 4" BELOW SLAB AND PATCH FLOOR AS REQUIRED).
- PROVIDE FAULT CURRENT ANALYSIS AND COORDINATION STUDY FOR ELECTRICAL DISTRIBUTION SYSTEM.
- PROVIDE ARC FLASH STUDY AND PROVIDE PPE LABELING FOR ALL ELECTRICAL EQUIPMENT.
- PROVIDE EQUIPMENT WITH FAULT CURRENT RATINGS AS INDICATED. IF RATINGS ARE NOT SHOWN, REFER TO SPECIFICATIONS FOR RATINGS.
- ALL NEW ELECTRICAL PANELS: TOP FEED PANELS SHALL BE FED FROM THE TOP AND BOTTOM FEED PANELS SHALL BE FED FROM THE BOTTOM. FEEDER CABLES SHALL NOT BE INSTALLED IN THE SIDE GUTTER OF A PANEL.
- LASER PANEL 2ISQLSR SHALL HAVE INTERLOCKS SUCH THAT ONLY ONE LASER RECEPTACLE CIRCUIT SHALL BE ABLE TO OPERATE AT ONE TIME. REFER TO LASER RECEPTACLE DETAIL ON SHEET E7.01.

TAGGED NOTES:

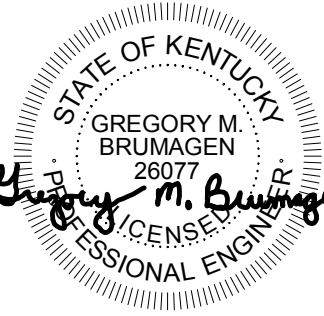
- DEMOLISH EXISTING 225A/3P BREAKER AND INSTALL NEW BREAKER AS NOTED.
- UTILIZE EXISTING 125A/3P SPARE BREAKER.
- INSTALL NEW BREAKER AS SHOWN IN EXISTING 3P SPACE.
- DEMOLISH EXISTING 250A/3P BREAKER AND INSTALL NEW BREAKER AS NOTED.
- DEMOLISH EXISTING 60A BREAKER AND INSTALL NEW BREAKER AS NOTED.



411018
1/8" = 1'-0"
CMB
23801

Date:
Scale:
Drawn by:
Project #:
Revisions:

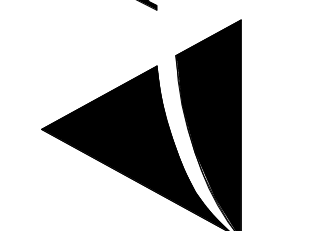
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Revision Schedule	
1	Issued 07/24/2018
2	Revised 07/24/2018

PAVILION A - SURGERY PHASE 1-3A
PROJECT NUMBER 2402.7
UNIVERSITY OF KENTUCKY
LEXINGTON, KY 40536
RECORD DRAWINGS

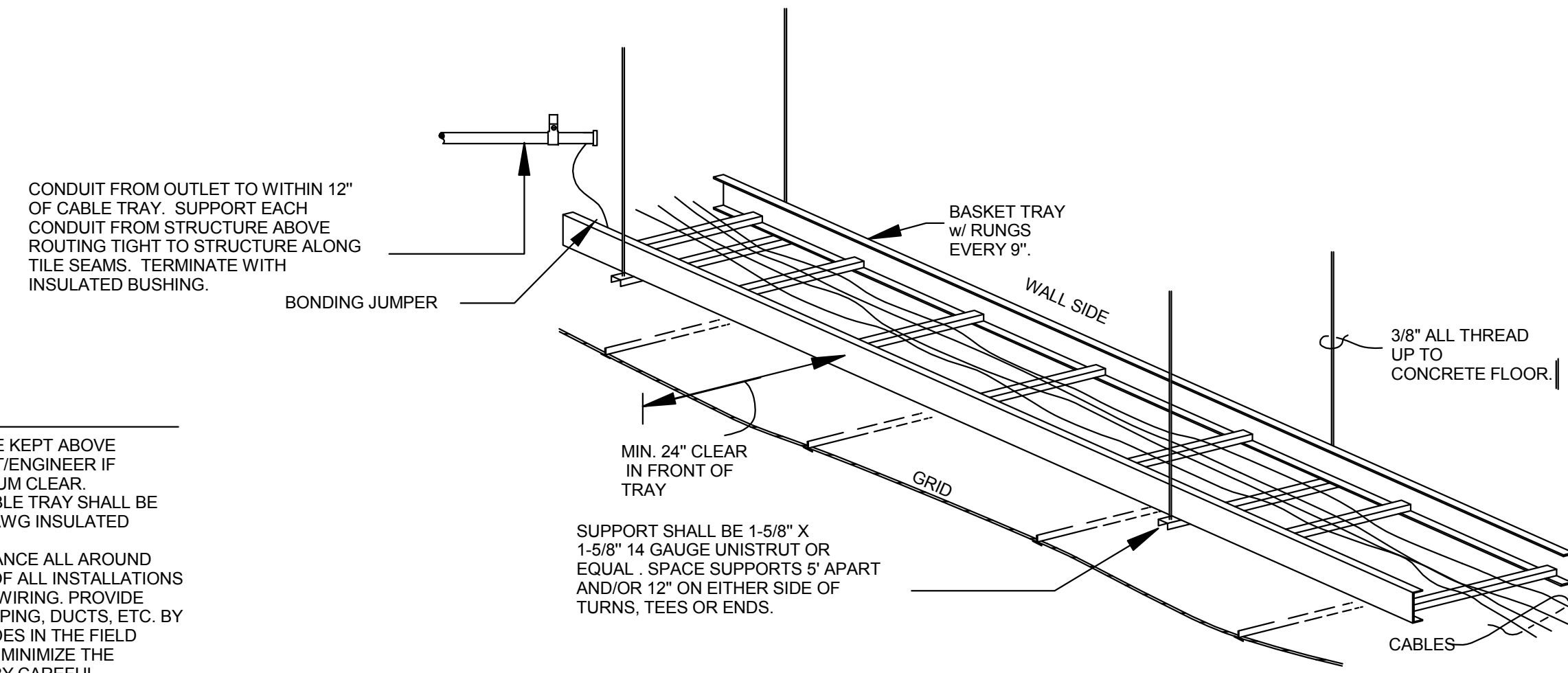
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ELECTRICAL RISER

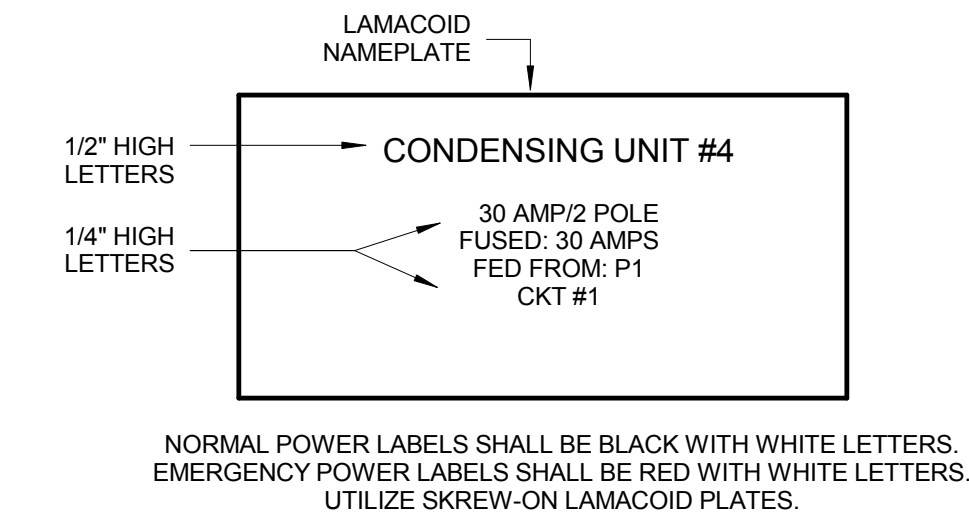
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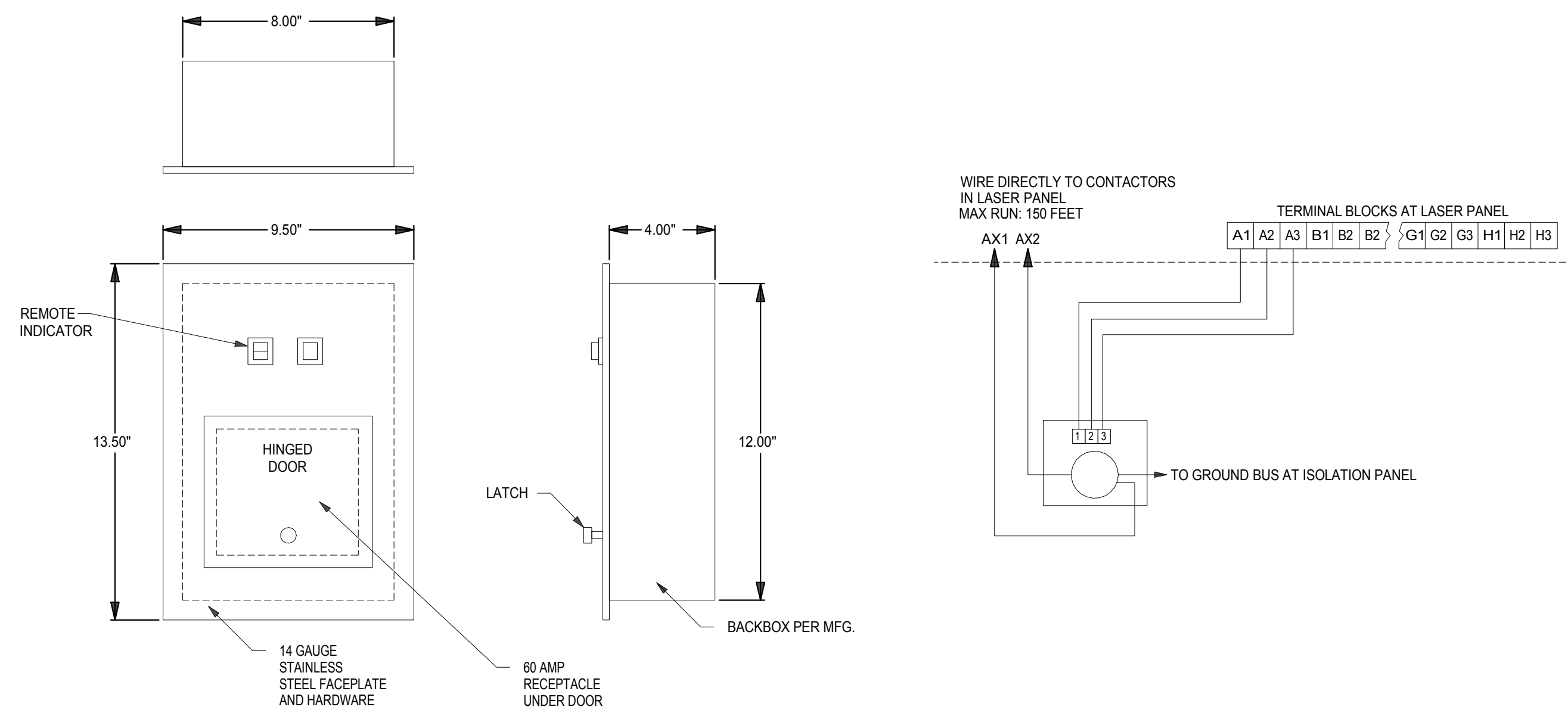
NOTES:

1. A MINIMUM OF 12" CLEAR SHALL BE KEPT ABOVE CABLE TRAY. NOTIFY ARCHITECT/ENGINEER IF CONFLICTS DO NOT ALLOW MINIMUM CLEAR.
2. ALL CONDUITS EXTENDING TO CABLE TRAY SHALL BE BONDED TO CABLE TRAY WITH #6AWG INSULATED GROUND CONDUCTOR.
3. MAINTAIN AT LEAST 24" OF CLEARANCE ALL AROUND CABLE TROUGH AT COMPLETION OF ALL INSTALLATIONS TO ALLOW FULL ACCESS TO PULL WIRING. PROVIDE ANY NEEDED OFFSETS AROUND PIPING, DUCTS, ETC. BY COORDINATING WITH OTHER TRADES IN THE FIELD PRIOR TO BEGINNING ROUGH-INS. MINIMIZE THE NUMBER OF OFFSETS REQUIRED BY CAREFUL COORDINATION.



① E DISCONNECT & STARTER NAMEPLATE DETAIL
12" = 1'-0"

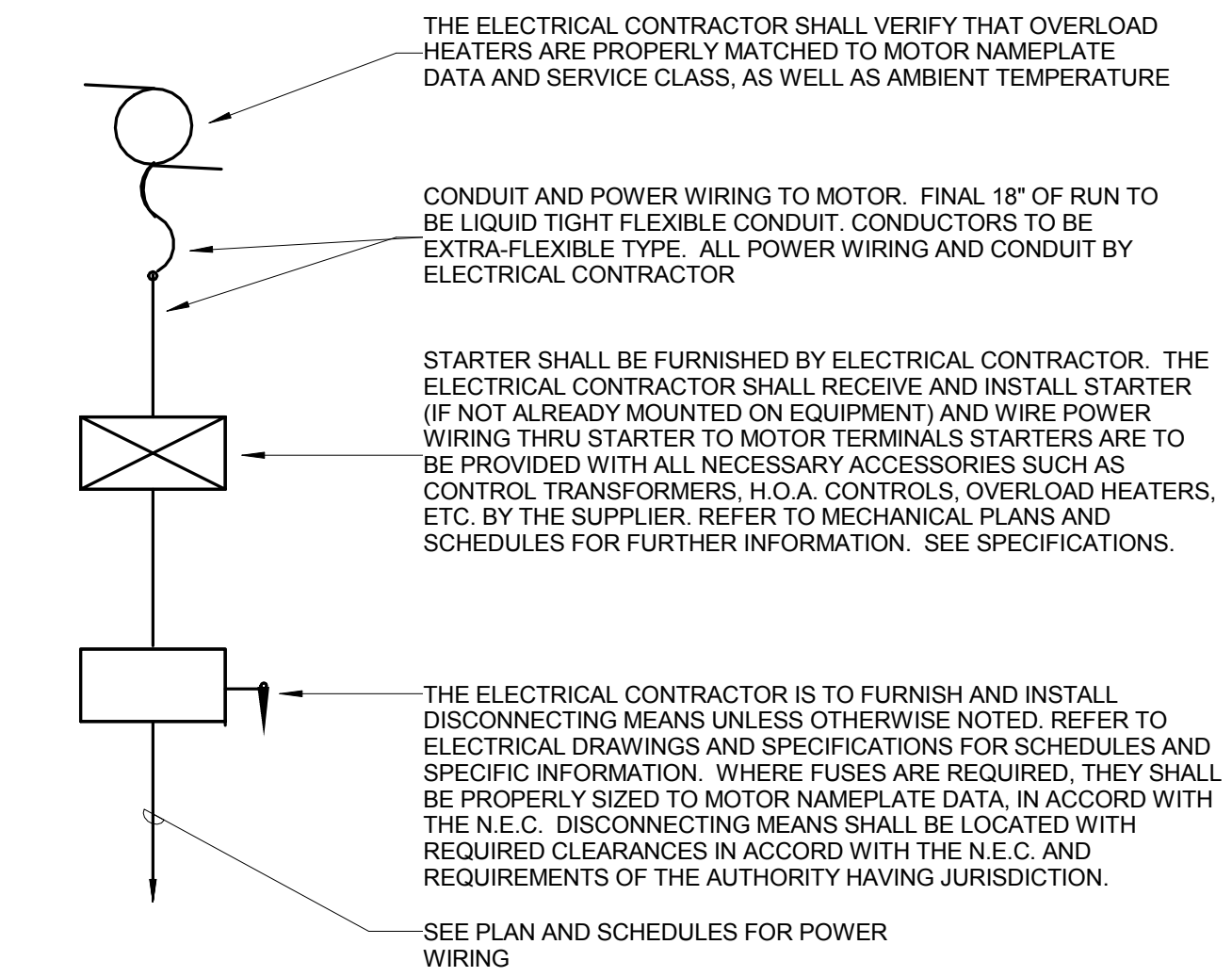
③ CABLE TRAY INSTALLATION DETAIL
NOT TO SCALE



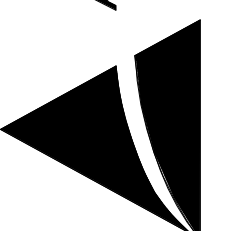
NOTES:

- UL LISTED
- MOBILE EQUIPMENT (LASER) RECEPTACLE HUBBELL #N16494 POWER LOCK, 60A
- (3) #18 GAUGE CONTROL AND INDICATOR LIGHT WIRES TO LASER PANEL TERMINAL BLOCKS.
- (2) #2 GAUGE POWER WIRES DIRECTLY TO CONTACTOR.
- (1) #10 GAUGE GROUND WIRE TO GROUND BUS.
- MAX RUN: 150 FEET

④ Laser Module Detail
NOT TO SCALE



② E DETAIL OF TYPICAL MOTOR/STARTER INSTALLATION
12" = 1'-0"



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DRAWING SHEET INDEX				
SHEET NUMBER	SHEET DESCRIPTION	REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
FA0.0	COVER SHEET			
FA0.1	DRAWING SHEET INDEX, GENERAL NOTES			
FA1.2.1	FIRE ALARM PLAN - PARTIAL 2ND FLOOR - AREA "B"	1	CUSTOMER COMMENTS	08/08/17
FA1.2.2	FIRE ALARM PLAN - PARTIAL 2ND FLOOR - AREA "D"	1	CUSTOMER COMMENTS	08/08/17
FA2.1	FIRE ALARM RISER DIAGRAM			
FA3.1	REMOTE POWER SUPPLY & EQUIPMENT CABINET WIRING DIAGRAM			
FA4.1	DEVICE WIRING DETAILS			
FA5.1	CALCULATIONS			

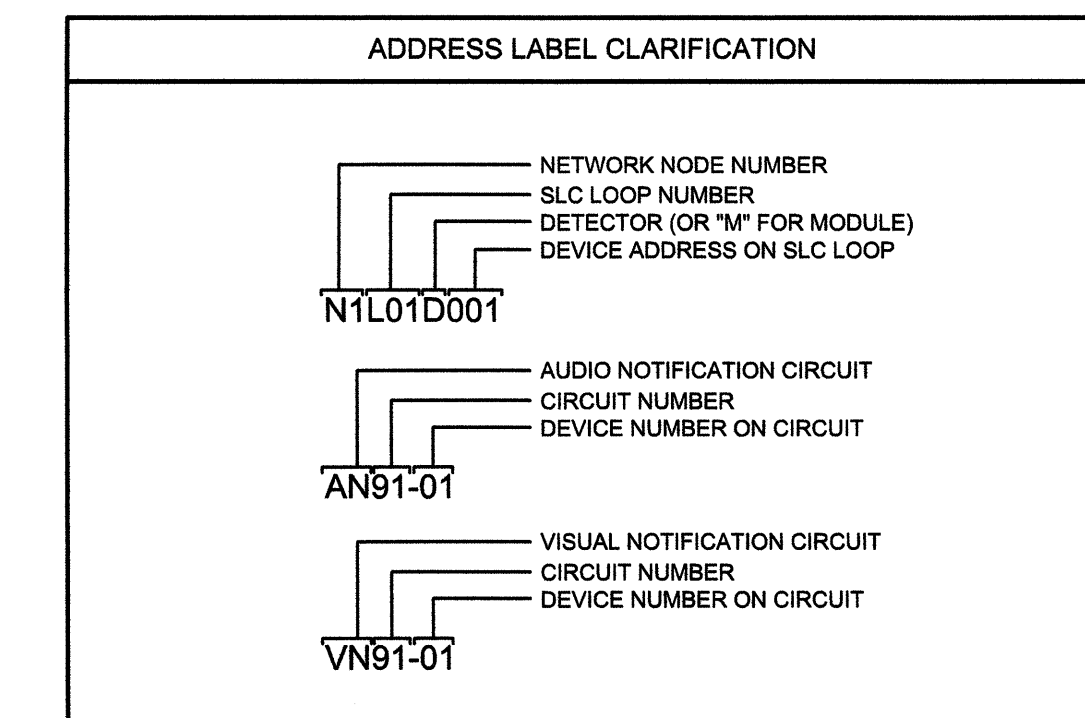
GENERAL NOTES:	
1.	ALL FIRE ALARM WIRING MUST BE IN STRICT COMPLIANCE WITH APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE (ARTICLE 760) AND ALL APPLICABLE NFPA STANDARDS.
2.	INSTALLATION MUST COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL LAWS, REGULATIONS, CODES, AND SPECIFICATIONS.
3.	ALL INSTALLATION MUST BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
4.	TO AVOID CONTAMINATION AND DUST ACCUMULATION IN THE SMOKE DETECTORS, IT IS RECOMMENDED THAT THE SMOKE DETECTORS NOT BE INSTALLED UNTIL AFTER CONSTRUCTION IS COMPLETED AND THE SUBJECT AREA HAS BEEN CLEANED. THE SUPPLIER IS NOT RESPONSIBLE FOR DUST ACCUMULATION IN SMOKE DETECTORS AND WILL NOT WARRANTY DEVICES THAT HAVE NOT BEEN PROPERLY MAINTAINED. WHEN DETECTORS ARE INSTALLED, PROTECTIVE COVERS SHALL BE INSTALLED OVER EACH DETECTOR AND REMOVED BY AUTHORIZED SERVICE PERSONNEL.
5.	AS INSTRUCTED IN NFPA 70, PROVIDE A SYSTEM GROUND FOR EARTH DETECTION AND LIGHTNING PROTECTION OF THE DEVICES.
6.	ALL FIRE ALARM SYSTEM WIRING SHALL BE CLEAR FROM SHORTS, OPENS AND GROUNDS.
7.	WHERE CONDUCTORS ARE RUN IN CONDUIT, USE ONLY APPROVED CABLE WITHIN RACEWAYS, PIPES, OR CONDUITS. ALL SHIELDED WIRE MUST BE CONTINUOUS THROUGHOUT CIRCUIT. ALL SHIELDS SHALL BE ISOLATED FROM GROUND. ALL SHIELDS SHALL TERMINATE AT THE FIRE ALARM CONTROL UNIT (FACU) ONLY.
8.	CONDUIT AND JUNCTION BOX LOCATIONS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS MAY VARY DUE TO FIELD CONDITIONS. ACTUAL INSTALLATION LOCATIONS SHALL BE DETERMINED BY THE INSTALLING CONTRACTOR.
9.	DO NOT LOCATE SMOKE DETECTORS WITHIN 3 FEET OF SUPPLY AIR VENTS.
10.	WIRE RUNS ARE CRITICAL. ANY SIGNIFICANT INCREASE IN LENGTH OF WIRE MAY AFFECT CIRCUIT CONFIGURATIONS.
11.	NFPA 72 SECTION 12.3.7 (2013 EDITION) CLASS A AND CLASS X CIRCUITS USING PHYSICAL CONDUCTORS (e.g., METALLIC, OPTICAL FIBER) SHALL BE INSTALLED SUCH THAT THE OUTGOING AND RETURN CONDUCTORS, EXISTING FROM AND RETURNING TO THE CONTROL UNIT, RESPECTIVELY, ARE ROUTED SEPARATELY. THE OUTGOING AND RETURN (REDUNDANT) CIRCUIT CONDUCTORS SHALL BE PERMITTED IN THE SAME CABLE ASSEMBLY (i.e., MULTI-CONDUCTOR CABLE), ENCLOSURE, OR RACEWAY UNDER THE FOLLOWING CONDITIONS: A. FOR A DISTANCE NOT TO EXCEED 10 FEET (3.0m) WHERE THE OUTGOING AND RETURN CONDUCTORS ENTER OR EXIT THE INITIATING DEVICE, NOTIFICATION APPLIANCE, OR CONTROL UNIT ENCLOSURE. B. FOR SINGLE CONDUIT/RACEWAY DROPS TO INDIVIDUAL DEVICES OR APPLIANCES. C. FOR SINGLE CONDUIT/RACEWAY DROPS TO MULTIPLE DEVICES OR APPLIANCES INSTALLED WITHIN A SINGLE ROOM NOT TO EXCEED 1000 SQ. FEET (93m ²) IN AREA.
12.	PER NFPA 72 SECTION A.12.3.7 (2013 EDITION) THE RECOMMENDED MINIMUM SEPARATION BETWEEN OUTGOING AND RETURN CLASS A AND CLASS X CABLES IS 12" FOR VERTICAL INSTALLATION AND 48" FOR HORIZONTAL INSTALLATION.

WIRE LEGEND			
DESIGNATION	CIRCUIT TYPE	WIRE TYPE	CIRCUIT CLASS
A	SIGNALING LINE CIRCUIT (SLC LOOP)	2#14 TWISTED/UNSHIELDED - FPL	CLASS A
C	STROBE CIRCUIT	2#12 AWG - FPLP	CLASS A
D	24 VDC DOOR HOLDER POWER	2#14 AWG - THHN	
E	INITIATING DEVICE CIRCUIT	2#18 AWG - FPL	CLASS B
G	CONTROL CIRCUIT	2#14 AWG - THHN	
K	24 VDC POWER	2#16 AWG - THHN	
M	TELEPHONE RISER	2#14 TWISTED/SHIELDED - FPLR	CLASS A
P	DIGITAL AUDIO LOOP (DAL)	BELDEN 8320LJ (18 AWG) - FPLR	CLASS A
S	SYNCHRONIZATION CIRCUIT	2#16 AWG - THHN	CLASS A
T	REMOTE TEST STATION CONNECTIONS	4#18 AWG - THHN	
V	SPEAKER CIRCUIT	2#14 TWISTED/SHIELDED - FPL	CLASS A

FLOOR PLAN BILL OF MATERIALS				
QTY	SYMBOL	DEVICE	PART NUMBER	MANUFACTURER
1	AMP	AMPLIFIER CABINET	SEE PANEL BILL OF MATERIALS	HONEYWELL
12	DT	DUCT DETECTOR HOUSING/DETECTOR HEAD/SAMPLING TUBE	DNRVTC806DNRVDT (AS REQ'D.)	HONEYWELL
24	RES	END OF LINE RESISTOR	AS REQUIRED	HONEYWELL
AS REQ'D.	JB	JUNCTION BOX	BY OTHERS	BY OTHERS
12	DM	MONITOR MODULE-DUAL	TC899D1004	HONEYWELL
12	RM	MULTI-VOLTAGE RELAY	R-20E	SYSTEM SENSOR
12	RS	RELAY MODULE	TC810R1024	HONEYWELL
1	NAC-1	REMOTE POWER SUPPLY	SEE PANEL BILL OF MATERIALS	HONEYWELL
12	RTSK	REMOTE TEST STATION WITH KEY	RTS151KEY	SYSTEM SENSOR
41	SPK	SPEAKER/STROBE-CEILING MOUNT-HIGH 48 SPEAKER-WHITE	SPSCVW	SYSTEM SENSOR
6	SW	STROBE-WALL MOUNT-WHITE	SW	SYSTEM SENSOR
2	DTK	SURGE SUPPRESSOR-HIGH VOLTAGE	DTK-120SRD	DITEK

PANEL BILL OF MATERIALS			
QTY	DESCRIPTION	PART NUMBER	MANUFACTURER
2	BATTERY: 12V; 28AH (BULK PACK OF 2)	BAT-12280-BP (SEE BATTERY QUANTITY NOTE)	HONEYWELL
2	BATTERY: 12V; 7AH	BAT-1270	HONEYWELL
1	DIGITAL AMPLIFIER; 50W; 25V; 120VAC	DA42-5025	HONEYWELL
1	EQUIPMENT BACKBOX; 4 TIERS; RED	EQBB-D4R	HONEYWELL
1	EQUIPMENT DOOR; VENTED; 4 TIERS; RED	EQDR-D4R	HONEYWELL
1	LARGE BATTERY BOX FOR 55 AH BATTERIES-RED	XL5-LBBR	HONEYWELL
1	NAC MODULE - CLASS A	ZNAC-4	HONEYWELL
1	REMOTE POWER SUPPLY; 120 VAC; 8 AMP	HPF2458	HONEYWELL

NOTE ON BATTERY QUANTITIES:
QUANTITIES OF BATTERIES SHOWN ARE FOR INDIVIDUAL BATTERIES. BATTERIES WITH PART NUMBERS ENDING IN -BP ARE SOLD IN BULK PACKS ONLY. REFER TO DESCRIPTION COLUMN FOR NUMBER OF BATTERIES PER BULK PACK.



- SYSTEM NOTES
- TO 120 VAC DEDICATED BRANCH CIRCUIT
NOTE: CIRCUIT BREAKER REQUIRES A LOCK
 - TO HVAC CONTROL CIRCUIT FOR SHUTDOWN
 - TO ELEVATOR CONTROL CIRCUIT FOR PRIMARY FLOOR RECALL
 - TO ELEVATOR CONTROL CIRCUIT FOR ALTERNATE FLOOR RECALL
 - TO ELEVATOR CONTROL CIRCUIT TO FLASH ELEVATOR CAB FIRE HAT
 - TO ELEVATOR CONTROL CIRCUIT FOR ELEVATOR POWER SHUNT TRIP
 - TO MONITOR ELEVATOR POWER SHUNT TRIP CIRCUIT FOR SHUNT TRIP
 - FIELD VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE BEFORE INSTALLATION OF ROUGH-IN EQUIPMENT
 - TO CONTROL CIRCUIT FOR CARD ACCESS SYSTEM
 - TO EXISTING SLC CIRCUIT IN AREA (CLASS "A")

NO.	DATE	REVISION	BY

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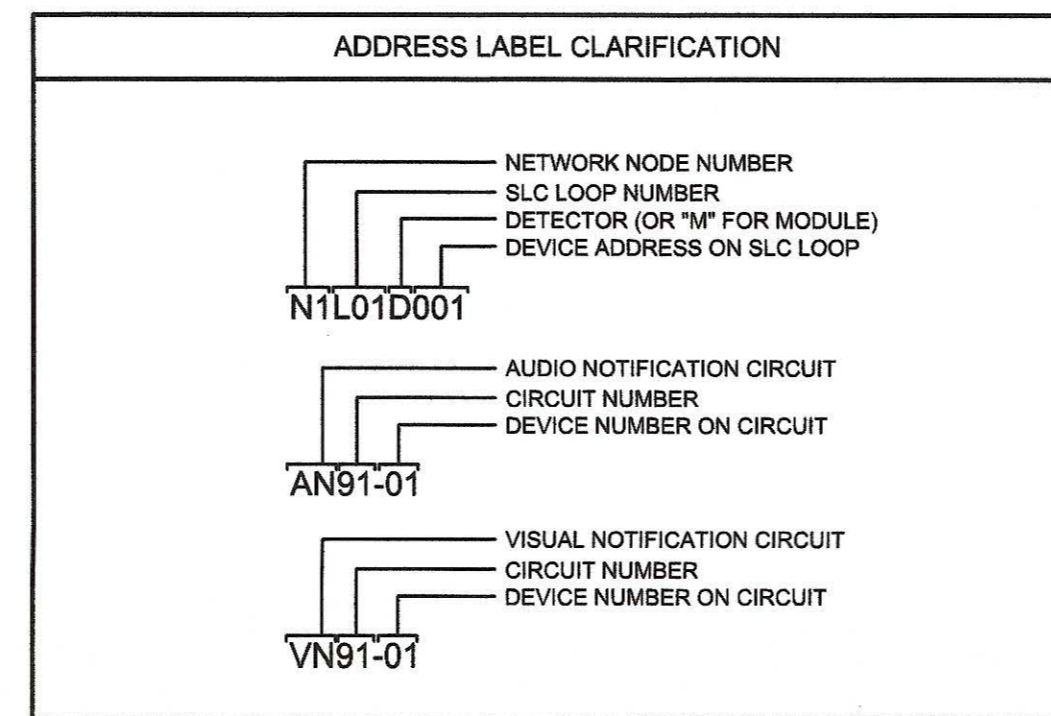
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LAYOUT BY: MJM
APPROVED BY: MJM
DATE: 04/07/17
SCALE: N.T.S.
PROJECT NO: 2170076

FIRE ALARM SYSTEM
DRAWING INDEX
GENERAL NOTES

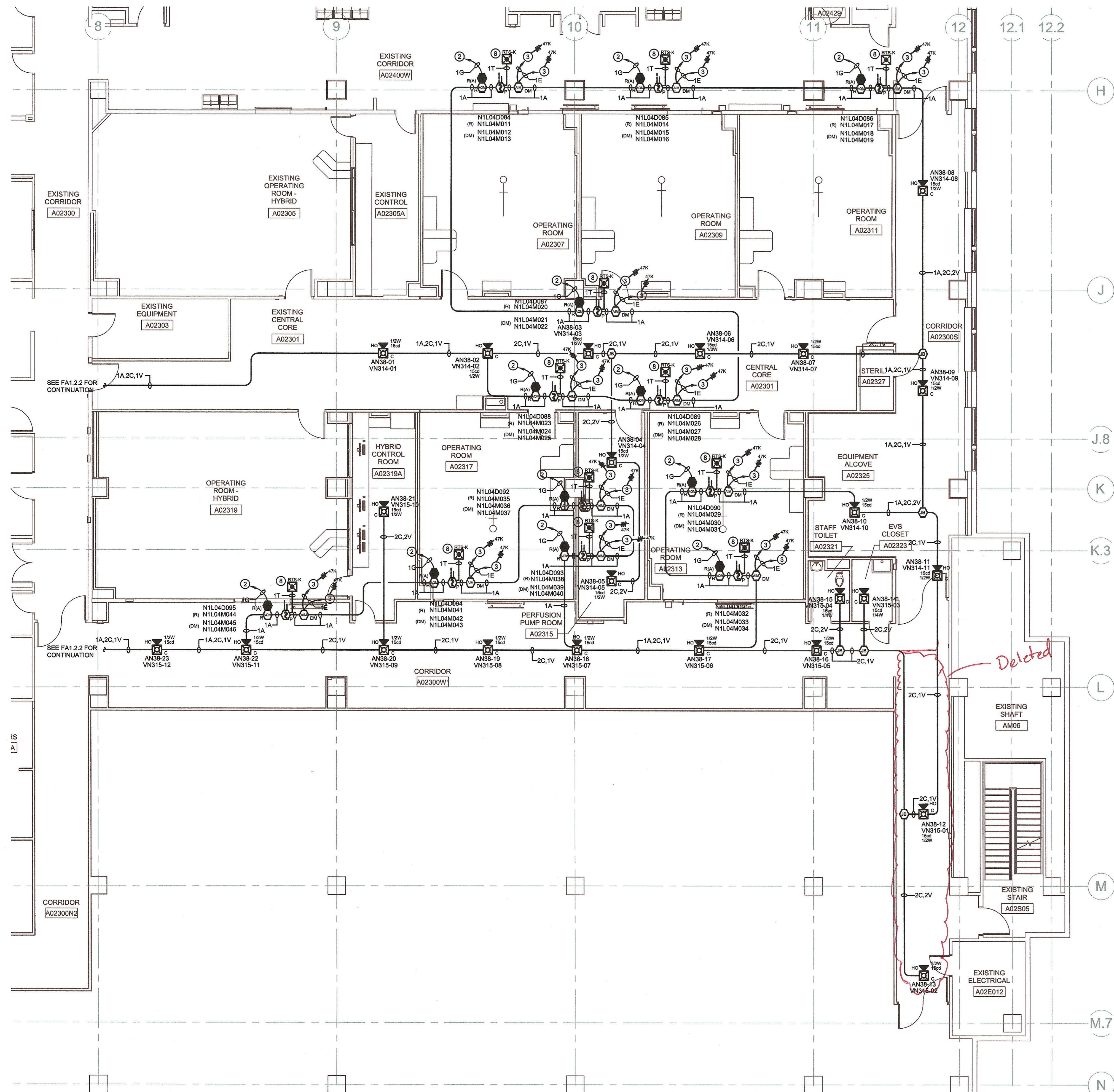
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WIRE LEGEND			
DESIGNATION	CIRCUIT TYPE	WIRE TYPE	CIRCUIT CLASS
A	SIGNALING LINE CIRCUIT (SLC LOOP)	2#14 TWISTED/UNSHIELDED - FPL	CLASS A
C	STROBE CIRCUIT	2#12 AWG - FPLP	CLASS A
D	24 VDC DOOR HOLDER POWER	2#14 AWG - THHN	
E	INITIATING DEVICE CIRCUIT	2#18 AWG - FPL	CLASS B
G	CONTROL CIRCUIT	2#14 AWG - THHN	
K	24 VDC POWER	2#18 AWG - THHN	
M	TELEPHONE RISER	2#14 TWISTED/SHIELDED - FPLR	CLASS A
P	DIGITAL AUDIO LOOP (DAL)	BELDEN 8320UJ (18 AWG) - FPLR	CLASS A
S	SYNCHRONIZATION CIRCUIT	2#18 AWG - THHN	CLASS A
T	REMOTE TEST STATION CONNECTIONS	4#18 AWG - THHN	
V	SPEAKER CIRCUIT	2#14 TWISTED/SHIELDED - FPL	CLASS A

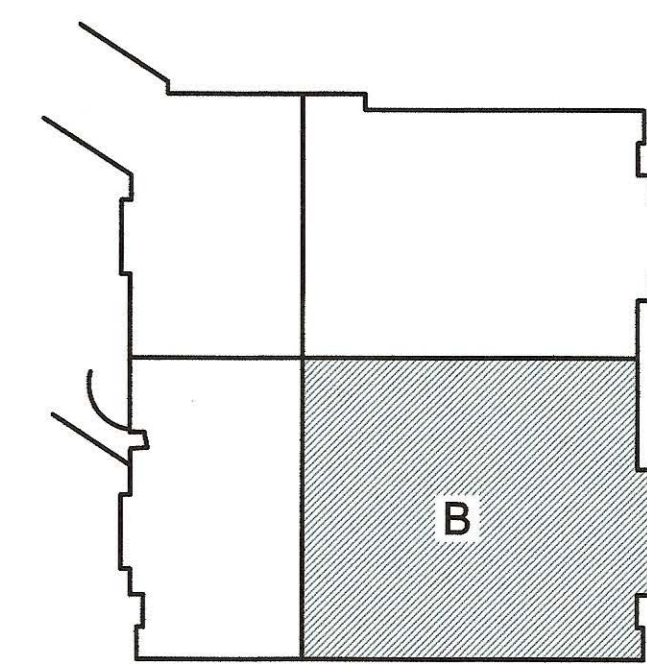
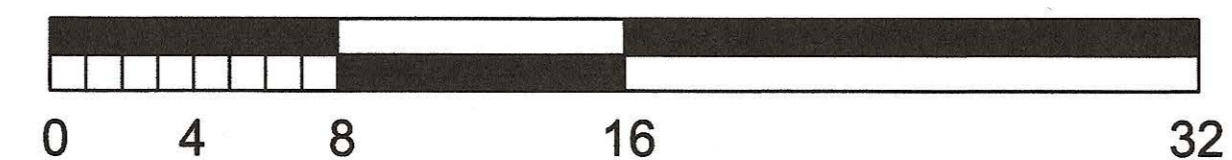
- SYSTEM NOTES**
- TO 120 VAC DEDICATED BRANCH CIRCUIT
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 - TO CONTROL CIRCUIT FOR CARD ACCESS SYSTEM
 - TO EXISTING SLC CIRCUIT IN AREA (CLASS 'A')



DEVICE LEGEND				
QTY	SYMBOL	DEVICE	PART NUMBER	MANUFACTURER
12		DUCT DETECTOR HOUSING/DETECTOR HEAD/SAMPLING TUBE	DNR7C806DNR/DST (AS REQ'D.)	HONEYWELL
24		END OF LINE RESISTOR	AS REQUIRED	HONEYWELL
AS REQ'D.		JUNCTION BOX	BY OTHERS	BY OTHERS
12		MONITOR MODULE-DUAL	TC809D1004	HONEYWELL
12		MULTI-VOLTAGE RELAY	R-20E	SYSTEM SENSOR
12		RELAY MODULE	TC810R1024	HONEYWELL
12		REMOTE TEST STATION WITH KEY	RTS151KEY	SYSTEM SENSOR
23		SPEAKER/STROBE-CEILING MOUNT-HIGH dB SPEAKER-WHITE	SPSCVW	SYSTEM SENSOR



FIRE ALARM PLAN - PARTIAL 2ND FLOOR - AREA "B"



KEY PLAN

BY	MJM
DATE	04/07/17
NO.	1

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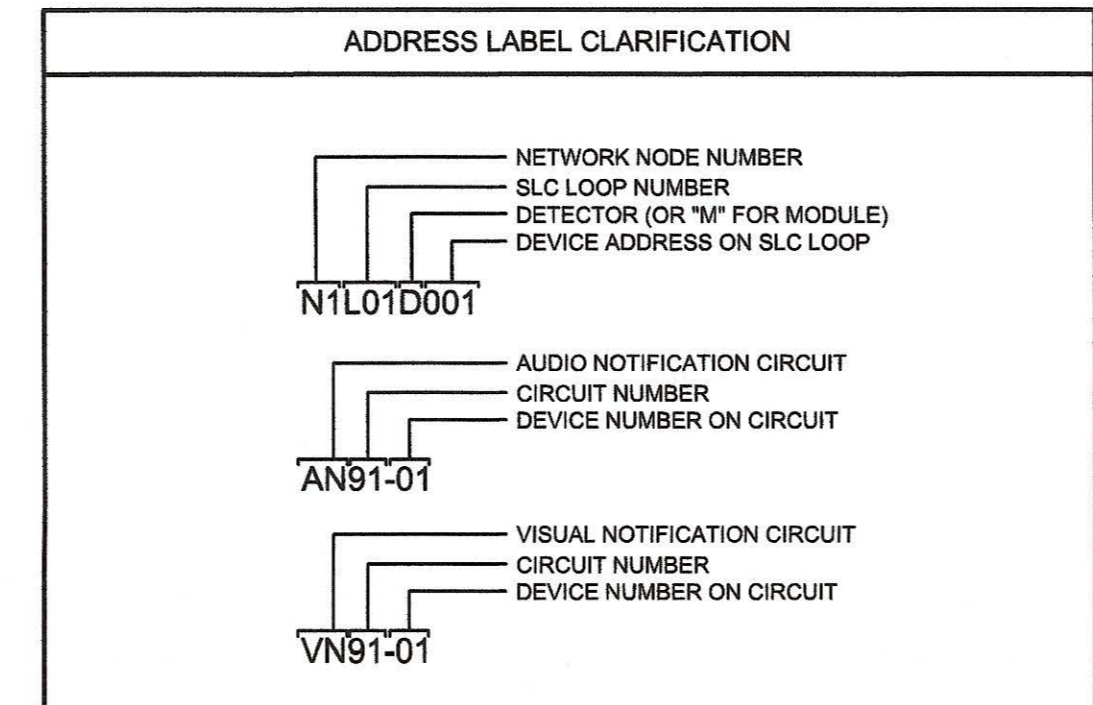
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LAYOUT BY:	MJM
APPROVED BY:	MJM
DATE:	04/07/17
SCALE:	1/8"=1'-0"
PROJECT NO.:	2170076

FIRE ALARM SYSTEM
 PARTIAL 2ND FLOOR
 AREA "B"

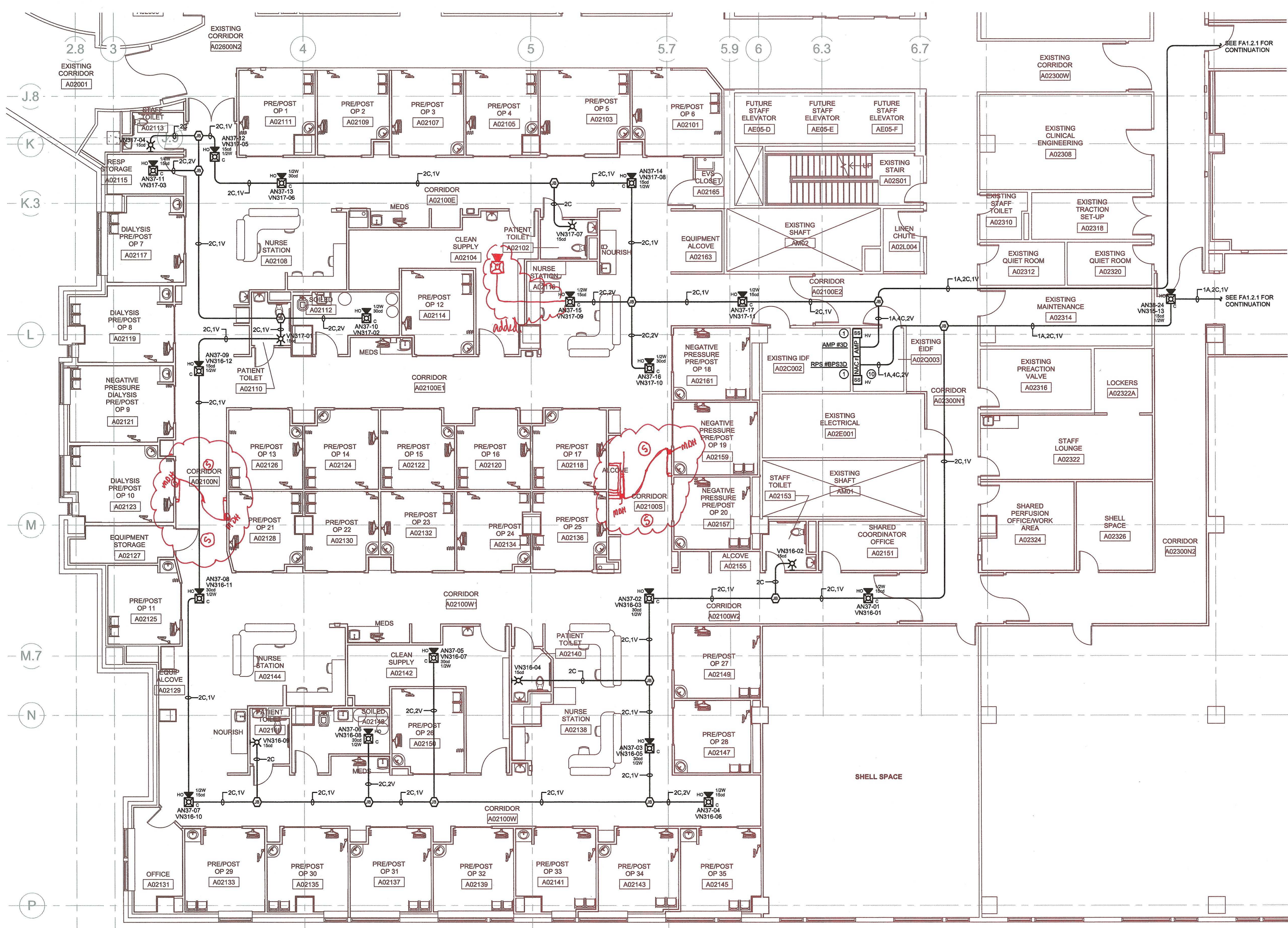
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WIRE LEGEND			
DESIGNATION	CIRCUIT TYPE	WIRE TYPE	CIRCUIT CLASS
A	SIGNALING LINE CIRCUIT (SLC LOOP)	2#14 TWISTED/UNSHIELDED - FPL	CLASS A
C	STROBE CIRCUIT	2#12 AWG - FPL	CLASS A
D	24 VDC DOOR HOLDER POWER	2#14 AWG - THHN	
E	INITIATING DEVICE CIRCUIT	2#18 AWG - FPL	CLASS B
G	CONTROL CIRCUIT	2#14 AWG - THHN	
K	24 VDC POWER	2#16 AWG - THHN	
M	TELEPHONE RISER	2#14 TWISTED/UNSHIELDED - FPLR	CLASS A
P	DIGITAL AUDIO LOOP (DAL)	RED/DM 500Ω (18 AWG) - FPLR	CLASS A
S	SYNCHRONIZATION CIRCUIT	2#16 AWG - THHN	CLASS A
T	REMOTE TEST STATION CONNECTIONS	4#18 AWG - THHN	
V	SPEAKER CIRCUIT	2#14 TWISTED/SHIELDED - FPL	CLASS A

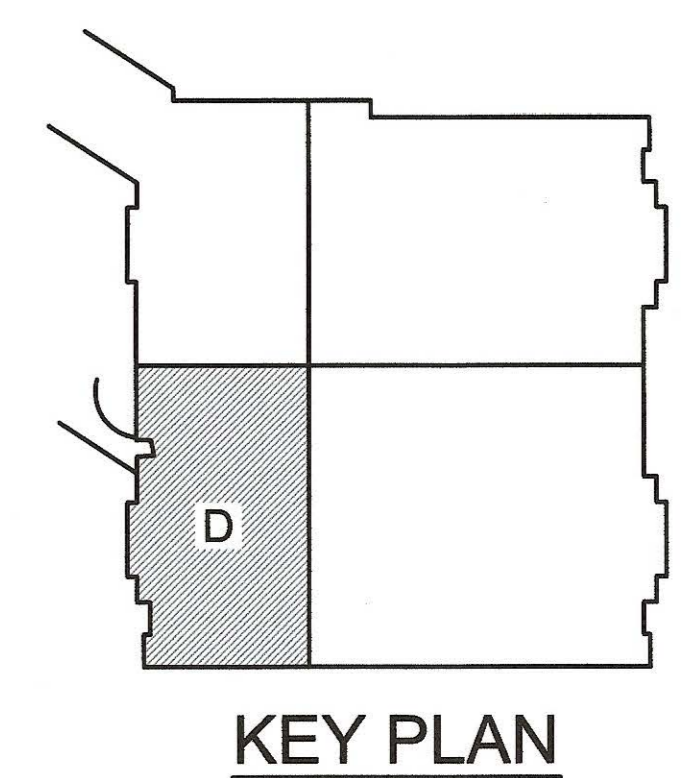
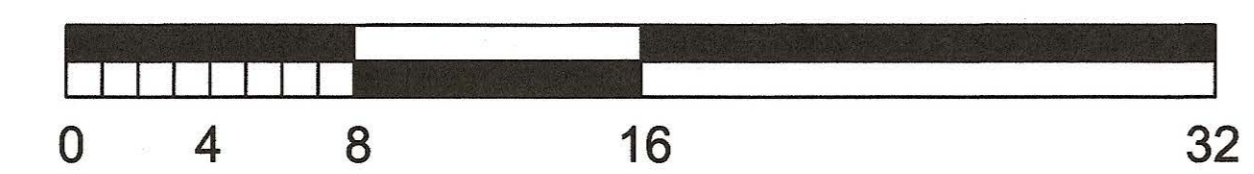
- SYSTEM NOTES**
- TO 120 VAC DEDICATED BRANCH CIRCUIT
NOTE: CIRCUIT BREAKER REQUIRES A LOAD
 - TO HVAC CONTROL CIRCUIT FOR SHUTDOWN
 - TO ELEVATOR CONTROL CIRCUIT FOR PRIMARY FLOOR RECALL
 - TO ELEVATOR CONTROL CIRCUIT FOR ALTERNATE FLOOR RECALL
 - TO ELEVATOR CONTROL CIRCUIT TO FLASH ELEVATOR CAB FIRE HAT
 - TO ELEVATOR CONTROL CIRCUIT FOR ELEVATOR POWER SHUNT TRIP
 - TO MONITOR ELEVATOR POWER SHUNT TRIP CIRCUIT FOR SHUNT TRIP
 - FIELD VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE BEFORE INSTALLATION OF ROUGH-IN EQUIPMENT
 - TO CONTROL CIRCUIT FOR CARD ACCESS SYSTEM
 - TO EXISTING SLC CIRCUIT IN AREA (CLASS "A")



DEVICE LEGEND				
QTY	SYMBOL	DEVICE	PART NUMBER	MANUFACTURER
1	[AMP]	AMPLIFIER CABINET	SEE WIRING DETAILS	HONEYWELL
AS REQ'D.	[JUN]	JUNCTION BOX	BY OTHERS	BY OTHERS
1	[RPS]	REMOTE POWER SUPPLY	SEE WIRING DETAILS	HONEYWELL
18	[SPEAKER]	SPEAKER/STROBE-CEILING MOUNT-HIGH 48 SPEAKER-WHITE	SPSCWV	SYSTEM SENSOR
6	[SW]	STROBE-WALL MOUNT-WHITE	SW	SYSTEM SENSOR
2	[SSV]	SURGE SUPPRESSOR-HIGH VOLTAGE	DTK-120SRD	DITEK



FIRE ALARM PLAN - PARTIAL 2ND FLOOR - AREA "D"



NO.	DATE	BY	REVISION

FSG Services

NOTE: THIS DRAWING IS BASED ON THE PROVIDED CONDITIONS AND IS NOT INTENDED TO BE A CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS AND MATERIALS IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING EQUIPMENT AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING WORK AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING WORK AND MATERIALS.

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PATIENT CARE FACILITY
Lexington, KY 40536

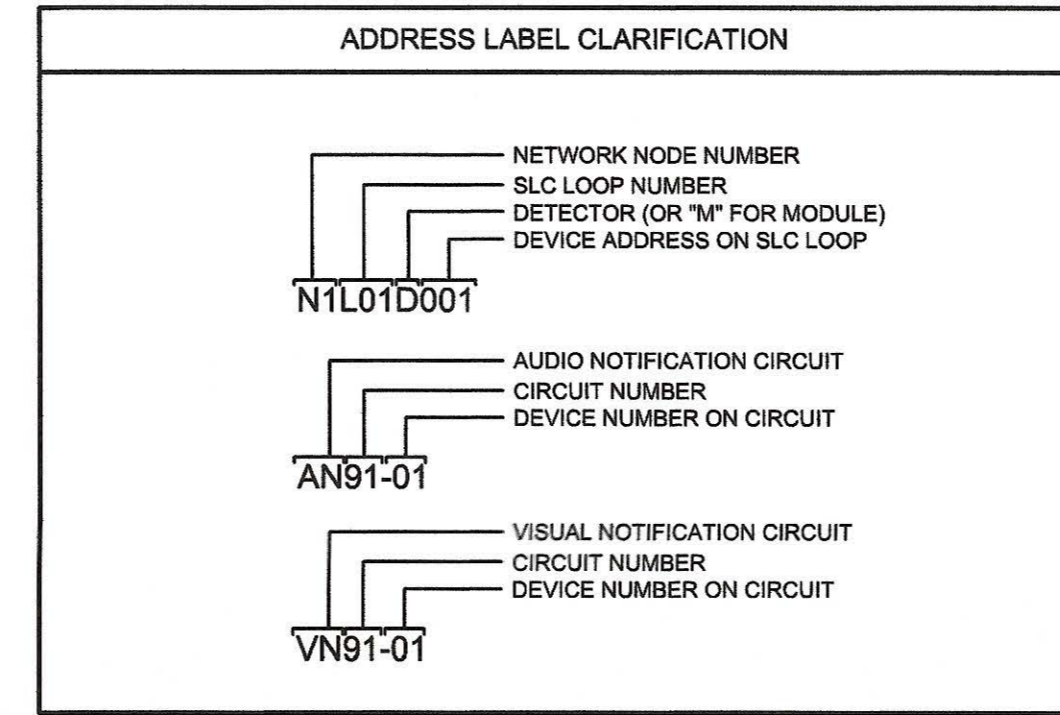
DRAWN BY:	JRB
LAYOUT BY:	MJM
APPROVED BY:	MJM
DATE:	04/07/17
SCALE:	1/8"=1'-0"
PROJECT NO.:	2170076

FIRE ALARM SYSTEM
PARTIAL 2ND FLOOR
AREA "D"

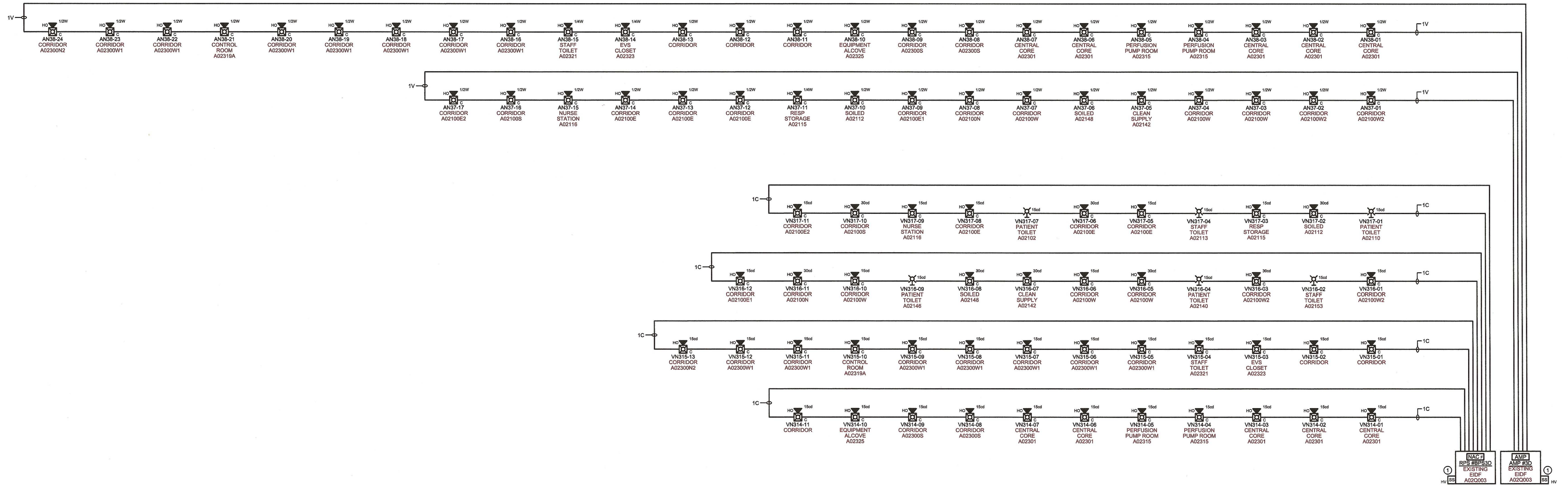
SHEET
FA1.2.2

WIRE LEGEND			
DESIGNATION	CIRCUIT TYPE	WIRE TYPE	CIRCUIT CLASS
A	SIGNALING LINE CIRCUIT (SLC LOOP)	2#14 TWISTED/UNSHIELDED - FPL	CLASS A
C	STROBE CIRCUIT	2#12 AWG - FPLR	CLASS A
D	24 VDC DOOR HOLDER POWER	2#14 AWG - THHN	
E	INITIATING DEVICE CIRCUIT	2#18 AWG - FPL	CLASS B
G	CONTROL CIRCUIT	2#14 AWG - THHN	
K	24 VDC POWER	2#16 AWG - THHN	
M	TELEPHONE RISER	2#14 TWISTED/SHIELDED - FPLR	CLASS A
P	DIGITAL AUDIO LOOP (DAL)	BELDEN 5320UJ (18 AWG) - FPLR	CLASS A
S	SYNCHRONIZATION CIRCUIT	2#18 AWG - THHN	CLASS A
T	REMOTE TEST STATION CONNECTIONS	4#18 AWG - THHN	
V	SPEAKER CIRCUIT	2#14 TWISTED/SHIELDED - FPL	CLASS A

SYSTEM NOTES	
①	TO 120 VAC DEDICATED BRANCH CIRCUIT NOTE: CIRCUIT BREAKER REQUIRES A LOCK
②	TO HVAC CONTROL CIRCUIT FOR SHUTDOWN
③	TO ELEVATOR CONTROL CIRCUIT FOR PRIMARY FLOOR RECALL
④	TO ELEVATOR CONTROL CIRCUIT FOR ALTERNATE FLOOR RECALL
⑤	TO ELEVATOR CONTROL CIRCUIT TO FLASH ELEVATOR CAB FIRE HAT
⑥	TO ELEVATOR CONTROL CIRCUIT FOR ELEVATOR POWER SHUNT TRIP
⑦	TO MONITOR ELEVATOR POWER SHUNT TRIP CIRCUIT FOR SHUNT TRIP
⑧	FIELD VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE BEFORE INSTALLATION OF ROUGH-IN EQUIPMENT
⑨	TO CONTROL CIRCUIT FOR CARD ACCESS SYSTEM
⑩	TO EXISTING SLC CIRCUIT IN AREA (CLASS "A")



RISER DEVICE LEGEND			
SYMBOL	DEVICE	PART NUMBER	MANUFACTURER
	AMPLIFIER CABINET	SEE WIRING DETAILS	HONEYWELL
	REMOTE POWER SUPPLY	SEE WIRING DETAILS	HONEYWELL
	SPEAKER/STROBE-CEILING MOUNT-HIGH 88 SPEAKER-WHITE	SPSCWV	SYSTEM SENSOR
	STROBE-WALL MOUNT-WHITE	SW	SYSTEM SENSOR
	SURGE SUPPRESSOR-HIGH VOLTAGE	DTK-1206RD	DITEK



NO.	DATE	REVISION	BY
1			
2			
3			
4			
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11			
12			

FSG Services

THIS DRAWING IS BASED ON THE PROJECT INFORMATION PROVIDED BY THE CLIENT. FSG SERVICES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. FSG SERVICES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

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PATIENT CARE FACILITY
Lexington, KY 40536

DRAWN BY: JRB
LAYOUT BY: MJM
APPROVED BY: MJM
DATE: 04/07/17
SCALE: N.T.S.
PROJECT NO: 2170076

FIRE ALARM SYSTEM
RISER
DIAGRAM

SHEET
FA2.1

RPS #BPS3D

Power supply: HPF2458		Total Amps used: 3.35	
Available Amps: 8		Spare capacity: 56%	
Power Supply Designation: BPS3D			
Class A (forward calculation results)		Class A (reverse calculation results)	
Circuit ID	Wire Lght (feet)	mAmps	Volts
VN314	970.0	754	A
VN315	885.0	858	A
VN316	960.0	832	A
VN317	885.0	810	A
3700.0		3.35	
Feet		Amps	

Power Supply Designation: BPS3D		Class A (reverse calculation results)	
Circuit ID	Wire Lght (feet)	mAmps	Volts
VN314	970.0	754	A
VN315	885.0	858	A
VN316	960.0	832	A
VN317	885.0	810	A
3700.0		3.35	
Feet		Amps	

Calculations are based on the following equation:
 $V = I \times (R \times (R \times I + 1000)) + 1000$
 V = Volts (starting voltage is 20.4)
 I = mAmps
 R = Wire resistance (per 1000 Ft)
 R1 = Length of wire in feet

VAC Branch Circuit Requirements		Designation: BPS3D	
Device Type	Number of Devices	Current Draw (AC amps)	Total Current per Device
HPF2458	1	X	3.200
Sum Column for AC Branch Current Required		3.200	

System Current Draw Calculations		Table 6.3	
Device Type	Column 1, Primary, Non-Fire Alarm Current (amps)	Column 2, Primary, Fire Alarm Current (amps)	Column 3, Secondary, Non-Fire Alarm Current (amps)
Main Circuit Board	1 X 0.091 = 0.091	1 X 0.145 = 0.145	1 X 0.085 = 0.085
BPS3D	Not Applicable	1 X 3.354 = 3.354	Not Applicable
Sum each column for total	Primary Non-Alarm 0.091	Primary Alarm 3.499	Secondary Non-Alarm 0.085

Total Secondary Power Requirements at 24VDC		Table 6.4	
Secondary Standby Load (total from Table 6.3 Calculation Column 3)	Required Standby Time (24 or 72 hours)	Totals	
0.066	24	Hours	1.560
Primary Alarm Load (total from Table 6.3 Calculation Column 2)		Totals	
3.499	0.250	Hours	0.875
Sum of Standby and Alarm Ampere Hours		2.435	
Derating factor (select derating factor: 1.2 UL or 2.5 UL)		1.2	
Battery Size, Total Ampere Hours Required		2.922	
Spare capacity required:		2.922	
(Note) 170mA Max with internal 7AH batteries, 500mA Max with external 18AH batteries			

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN314-01	190	66	19.833
VN314-02	40	66	19.724
VN314-03	35	66	19.638
VN314-04	45	66	19.538
VN314-05	40	66	19.428
VN314-06	70	66	19.343
VN314-07	40	66	19.287
VN314-08	70	66	19.206
VN314-09	55	66	19.156
VN314-10	50	66	19.125
VN314-11	45	66	19.113
VN314-12	290	66	19.113
870 Ft		0.754 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN314-11	290	66	19.833
VN314-10	45	66	19.710
VN314-09	50	66	19.592
VN314-08	55	66	19.477
VN314-07	70	66	19.349
VN314-06	40	66	19.287
VN314-05	70	66	19.195
VN314-04	40	66	19.153
VN314-03	45	66	19.118
VN314-02	35	66	19.100
VN314-01	40	66	19.089
VN314-12	190	66	19.089
870 Ft		0.754 A	

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN315-01	360	66	19.177
VN315-02	55	66	19.004
VN315-03	40	66	18.889
VN315-04	30	66	18.811
VN315-05	40	66	18.717
VN315-06	40	66	18.633
VN315-07	35	66	18.569
VN315-08	35	66	18.514
VN315-09	40	66	18.462
VN315-10	40	66	18.393
VN315-11	35	66	18.334
VN315-12	30	66	18.307
VN315-13	70	66	18.307
885 Ft		0.858 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN315-12	70	66	19.177
VN315-13	30	66	19.083
VN315-11	35	66	18.982
VN315-10	35	66	18.891
VN315-09	40	66	18.797
VN315-08	40	66	18.713
VN315-07	35	66	18.649
VN315-06	35	66	18.594
VN315-05	40	66	18.542
VN315-04	40	66	18.500
VN315-03	30	66	18.476
VN315-02	40	66	18.455
VN315-01	55	66	18.441
VN315-12	360	66	18.441
885 Ft		0.858 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN316-12	240	66	20.049
VN316-11	60	66	19.844
VN316-10	50	66	19.811
VN316-09	40	66	19.879
VN316-08	80	66	19.427
VN316-07	80	66	19.254
VN316-06	90	66	19.093
VN316-05	40	66	19.032
VN316-04	55	66	18.988
VN316-03	55	66	18.919
VN316-02	60	66	18.890
VN316-01	40	66	18.880
VN316-12	85	66	18.880
860 Ft		0.932 A	

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN317-01	335	66	19.325
VN317-02	40	66	19.208
VN317-03	75	66	19.015
VN317-04	40	66	18.922
VN317-05	35	66	18.850
VN317-06	40	66	18.778
VN317-07	75	66	18.672
VN317-08	35	66	18.632
VN317-09	50	66	18.587
VN317-10	45	66	18.559
VN317-11	60	66	18.543
VN317-12	55	66	18.543
885 Ft		0.81 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN317-11	55	66	19.325
VN317-10	60	66	19.149
VN317-09	45	66	19.033
VN317-08	50	66	18.937
VN317-07	35	66	18.845
VN317-06	75	66	18.711
VN317-05	40	66	18.654
VN317-04	35	66	18.614
VN317-03	40	66	18.578
VN317-02	75	66	18.531
VN317-01	40	66	18.520
VN317-12	335	66	18.520
885 Ft		0.81 A	

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN318-12	240	66	20.049
VN318-11	60	66	19.844
VN318-10	50	66	19.811
VN318-09	40	66	19.879
VN318-08	80	66	19.427
VN318-07	80	66	19.254
VN318-06	90	66	19.093
VN318-05	40	66	19.032
VN318-04	55	66	18.988
VN318-03	55	66	18.919
VN318-02	60	66	18.890
VN318-01	40	66	18.880
VN318-12	85	66	18.880
860 Ft		0.932 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN318-11	60	66	19.844
VN318-10	50	66	19.811
VN318-09	40	66	19.879
VN318-08	80	66	19.427
VN318-07	80	66	19.254
VN318-06	90	66	19.093
VN318-05	40	66	19.032
VN318-04	55	66	18.988
VN318-03	55	66	18.919
VN318-02	60	66	18.890
VN318-01	40	66	18.880
VN318-12	240	66	18.912
860 Ft		0.932 A	

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN319-12	240	66	20.049
VN319-11	60	66	19.844
VN319-10	50	66	19.811
VN319-09	40	66	19.879
VN319-08	80	66	19.427
VN319-07	80	66	19.254
VN319-06	90	66	19.093
VN319-05	40	66	19.032
VN319-04	55	66	18.988
VN319-03	55	66	18.919
VN319-02	60	66	18.890
VN319-01	40	66	18.880
VN319-12	85	66	18.880
860 Ft		0.932 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN319-11	60	66	19.844
VN319-10	50	66	19.811
VN319-09	40	66	19.879
VN319-08	80	66	19.427
VN319-07	80	66	19.254
VN319-06	90	66	19.093
VN319-05	40	66	19.032
VN319-04	55	66	18.988
VN319-03	55	66	18.919
VN319-02	60	66	18.890
VN319-01	40	66	18.880
VN319-12	240	66	18.912
860 Ft		0.932 A	

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN320-12	240	66	20.049
VN320-11	60	66	19.844
VN320-10	50	66	19.811
VN320-09	40	66	19.879
VN320-08	80	66	19.427
VN320-07	80	66	19.254
VN320-06	90	66	19.093
VN320-05	40	66	19.032
VN320-04	55	66	18.988
VN320-03	55	66	18.919
VN320-02	60	66	18.890
VN320-01	40	66	18.880
VN320-12	85	66	18.880
860 Ft		0.932 A	

Wiring Class: A (reverse)		Appliance	
Address	Length (ft)	mAmps	Volts
VN320-11	60	66	19.844
VN320-10	50	66	19.811
VN320-09	40	66	19.879
VN320-08	80	66	19.427
VN320-07	80	66	19.254
VN320-06	90	66	19.093
VN320-05	40	66	19.032
VN320-04	55	66	18.988
VN320-03	55	66	18.919
VN320-02	60	66	18.890
VN320-01	40	66	18.880
VN320-12	240	66	18.912
860 Ft		0.932 A	

Wiring Class: A (forward)		Appliance	
Address	Length (ft)	mAmps	Volts
VN321-12	240	66	20.049
VN321-11	60	66	19.844
VN321-10	50	66	19.811
VN321-09	40	66	19.879
VN321-08	80	66	19.427
VN321-07	80	66	19.254
VN321-06	90	66	19.093
VN321-05	40	66	19.032
VN321-04	55	66	18.988
VN321-03	55	66	18.919
VN321-02			