

HCA - LEE’S SUMMIT MEDICAL CENTER LAB & PHARMACY RENOVATION

2100 SE BLUE PKWY
LEE’S SUMMIT, MO 64063

DGL PROJECT NO	6406.24.0001	DATE:
HCA PROJECT NO.	0972400009	05/23/2025

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HCA CONSTRUCTION MANAGER: ERIC SJODIN

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CITY AND STATE - 1ST REVIEW



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STORAGE SYSTEMS UNLIMITED (STORAGE)
LANCE MCCORMICK, LMCCORMICK@STORAGESYSTEMSUL.COM
MILLERKNOLL (MODULAR FURNITURE)
DONNA DOSS, DONNA_DOSS@MILLERKNOLL.COM

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FRANKLIN, TN 37067
PROJECT EXECUTIVE: JEREMY BRANSON 913.393.6552

SHEET INDEX WORKING

		X = ISSUED SHEET	1ST CITY SUBMITTAL - 06/23/2005
		R = REVISED SHEET	
		F = FOR REFERENCE ONLY	
		D = DELETED SHEET	
SHEET NUMBER	SHEET NAME		

GENERAL INFORMATION

GI000	COVER SHEET	X
GI001	SHEET INDEX	X
GI101	PROJECT INFORMATION, AREA MAPS, SYMBOLS	X

ARCHITECTURAL SITE

AS001	ARCHITECTURAL SITE PLAN	X
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ARCHITECTURAL LIFESAFETY

AC101	LIFE SAFETY FLOOR PLAN – LEVEL 1 - SECTOR B	X
AC501	PARTITION TYPES & DETAILS	X
ACS21	TYPICAL MOUNTING HEIGHTS	X

ARCHITECTURAL DEMOLITION

AD101	DEMOLITION PLAN - LEVE 1 - SECTOR B - LAB & PHARMACY	X
AD171	DEMOLITION RCP - LEVEL 1 - SECTOR B - LAB & PHARMACY	X

ARCHITECTURAL

AE2118	DIMENSION FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY	X
AE1318	ANNOTATION FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY	X
AE1818	REFLECTED CEILING PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY	X
AE402	INTERIOR ELEVATIONS AND VIEWS - LEVEL 1 - PHARMACY	X
AE403	INTERIOR ELEVATIONS AND VIEWS - LEVEL 1 - PHARMACY	X
AE404	INTERIOR ELEVATIONS AND VIEWS - LEVEL 1 - LAB	X
AE405	INTERIOR ELEVATIONS AND VIEWS - LEVEL 1 - LAB	X
AE601	DOOR SCHEDULES & DETAILS	X
AE651	WINDOW SCHEDULES & DETAILS	X
AE701	INTERIOR DETAILS	X
AE720	CEILING DETAILS	X

INTERIORS

AF001	GENERAL FINISH SPECIFICATIONS AND NOTES	X
AF101	FINISH FLOOR PLAN - LEVEL 1	X
AF102	WALL PROTECTION PLAN - LEVEL 1	X
AF103	FLOOR PATTERN PLAN - LEVEL 1	X
AF104	FURNITURE PLAN - LEVEL 1	X
AF105	SIGNAGE PLAN - LEVEL 1	X
AF106	SIGNAGE KEY	X
AF107	SIGNAGE KEY	X

PLUMBING

P00-00	GENERAL INFORMATION - PLUMBING	X
P002-00	UNDERFLOOR DEMOLITION PLAN - PLUMBING	X
P002-01	DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB,PHARMACY & EVS - PLUMBING	X
P02-00	UNDERFLOOR PLAN - PLUMBING	X
P02-01	FLOOR PLAN - LEVEL 1 - SECTOR B - LAB,PHARMACY & EVS - PLUMBING	X
P07-01	DETAILS - PLUMBING	X
P08-01	SCHEDULED - PLUMBING	X

MECHANICAL

M00-00	GENERAL INFORMATION - MECHANICAL	X
M01-01	CONTROL - MECHANICAL	X
M01-02	CONTROLS - MECHANICAL	X
M02-01	DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB,PHARMACY - HVAC	X
M03-01	DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB,PHARMACY - HVAC PIPING	X
M03-01	FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY - HVAC	X
M03-01	FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY & EVS - HVAC PIPING	X
M06-01	RISER DIAGRAM - MECHANICAL	X
M06-02	LEVEL 1 - SECTOR B - LAB & PHARMACY ZONING PLAN	X
M07-01	DETAILS - MECHANICAL	X
M07-02	DETAILS - MECHANICAL	X
M07-03	DETAILS - MECHANICAL	X
M08-01	SCHEDULES - MECHANICAL	X
MEPD02-03	ATTACHED MOB ROF DEMOLITION PLAN	X
MEPD02-03	ATTACHED MOB ROF PLAN - MEP	X

ELECTRICAL

E00-00	GENERAL INFORMATION - ELECTRICAL	X
E002-01	DEMOLITION PLAN - LEVEL1 - SECTOR B - LAB,PHARMACY & EVS - ELECTRICAL	X
E02-01	FLOOR PLAN - LEVEL1 - SECTOR B - LAB,PHARMACY & EVS - POWER	X
E03-01	FLOOR PLAN - LEVEL1 - SECTOR B - LAB,PHARMACY & EVS - LIGHTING	X
E04-01	FLOOR PLAN - LEVEL1 - SECTOR B - LAB,PHARMACY & EVS - SPECIAL SYSTEMS	X
E05-01	ENLARGED PLAN - ELECTRICAL	X
E06-01	ONE LINE DIAGRAM - ELECTRICAL	X
E07-01	DETAILS - ELECTRICAL	X
E08-01	SCHEDULES - ELECTRICAL	X

TECHNOLOGIES

T00-00	GENERAL INFORMATION - TECHNOLOGY	X
T002-01	DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - COMMUNICATIONS	X
T02-01	FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - COMMUNICATIONS	X
T03-01	FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - LOW VOLTAGE	X
T04-01	FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - SECURITY	X
T07-01	DETAILS - TECHNOLOGY	X
T07-02	DETAILS - TECHNOLOGY	X
T07-03	DETAILS - TECHNOLOGY	X
T08-01	SCHEDULES - TECHNOLOGY	X

VENDOR(MILLER KNOLL)LAB

HM.P01.LAB	P01-LAB	F
HM.P01.UTIL	P01-UTIL	F
E01-LAB	E01-LAB	F
E02-LAB	E02-LAB	F
HM.D09	ACUTE CARE AND LAB CO-STRUC	F
HM.D10	SUPPORT PANELS	F

VENDOR(MILLER KNOLL)PHARMACY

HM.P02-UTIL	P02-UTIL	F
HM.P02.RX	P02-RX	F
E03-RX	E03-RX	F
HM. D09	ACUTE CARE AND LAB CO-STRUC	F
HM. D10	SUPPORT PANELS	F

VENDOR(STORAGE SYSTEMS)

SS-1	STORAGE SYSTEMS LAYOUT	F
SS-2	EQUIPMENT ELEVATIONS	F

VENDOR(PNEUMATIC TUBE SYSTEM)

PTS-000	COVER SHEET	F
PTS-001	DETAILS	F
PTS-002	DETAILS	F



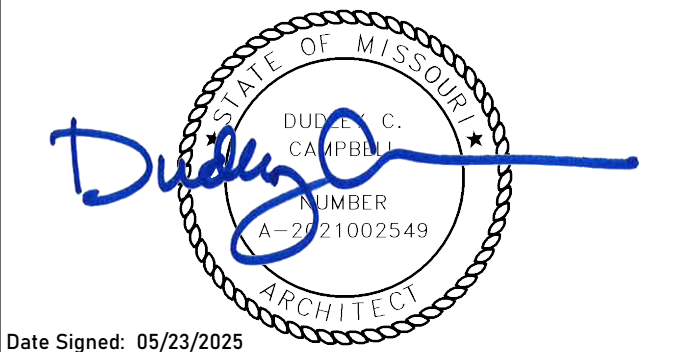
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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS
AGENCY

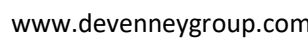
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REV #	DESCRIPTION	DATE

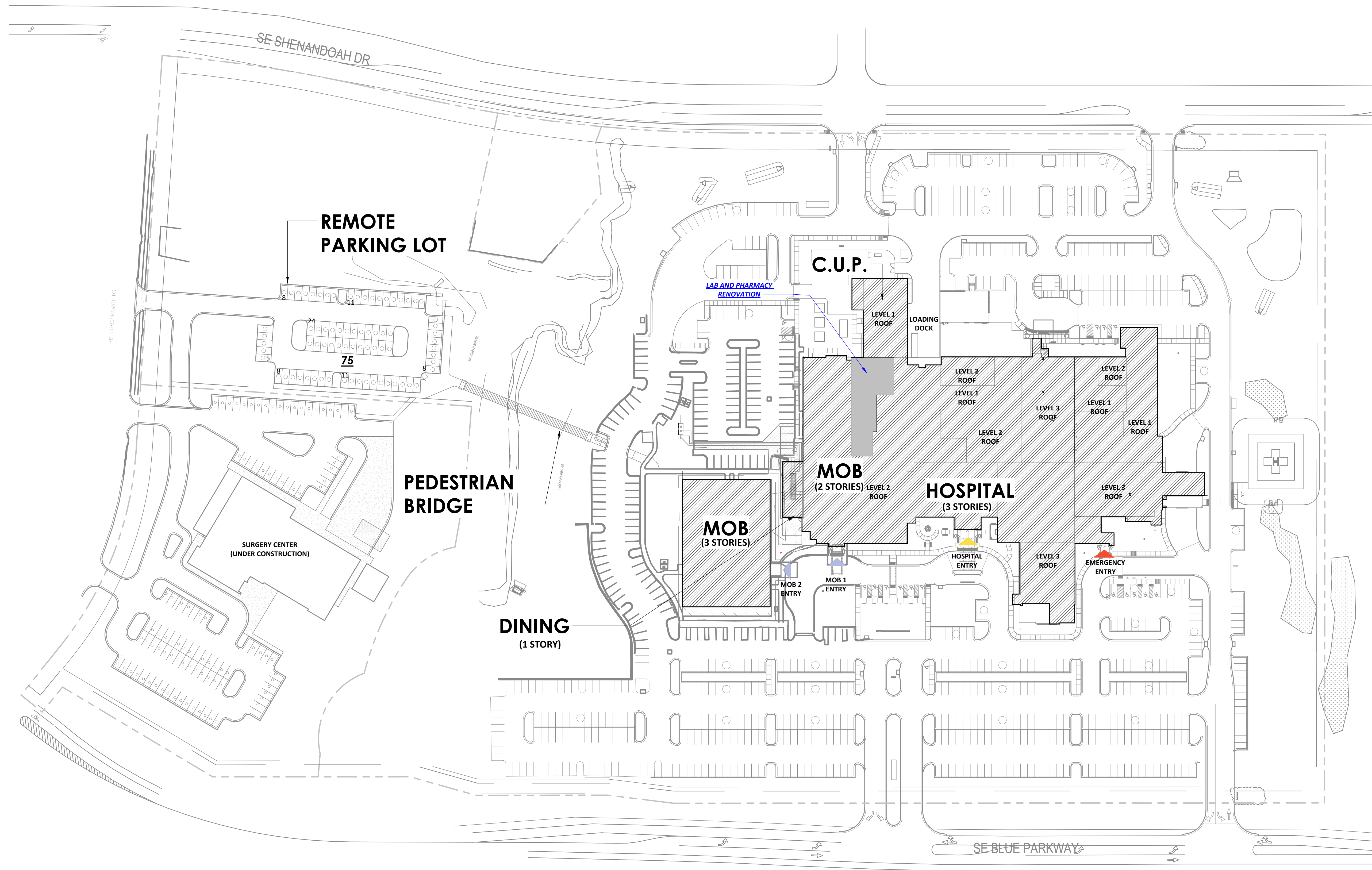
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SCALE:	
DRAWN:	PL, JV
REVIEWED:	
JOB NUMBER:	6406.24

SHEET INDEX

GI001

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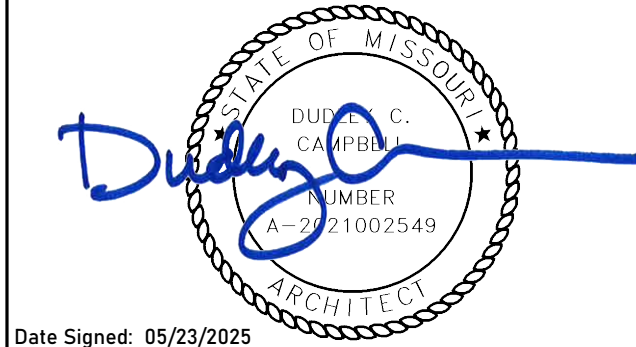
SITE PLAN LEGEND	
	PROPERTY LINE
	EXISTING
	RENOVATION

NO CHANGE IN OCCUPANTS, THEREFORE
NO CHANGE IN PARKING CALC



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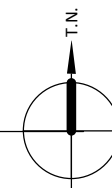
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AGENCY

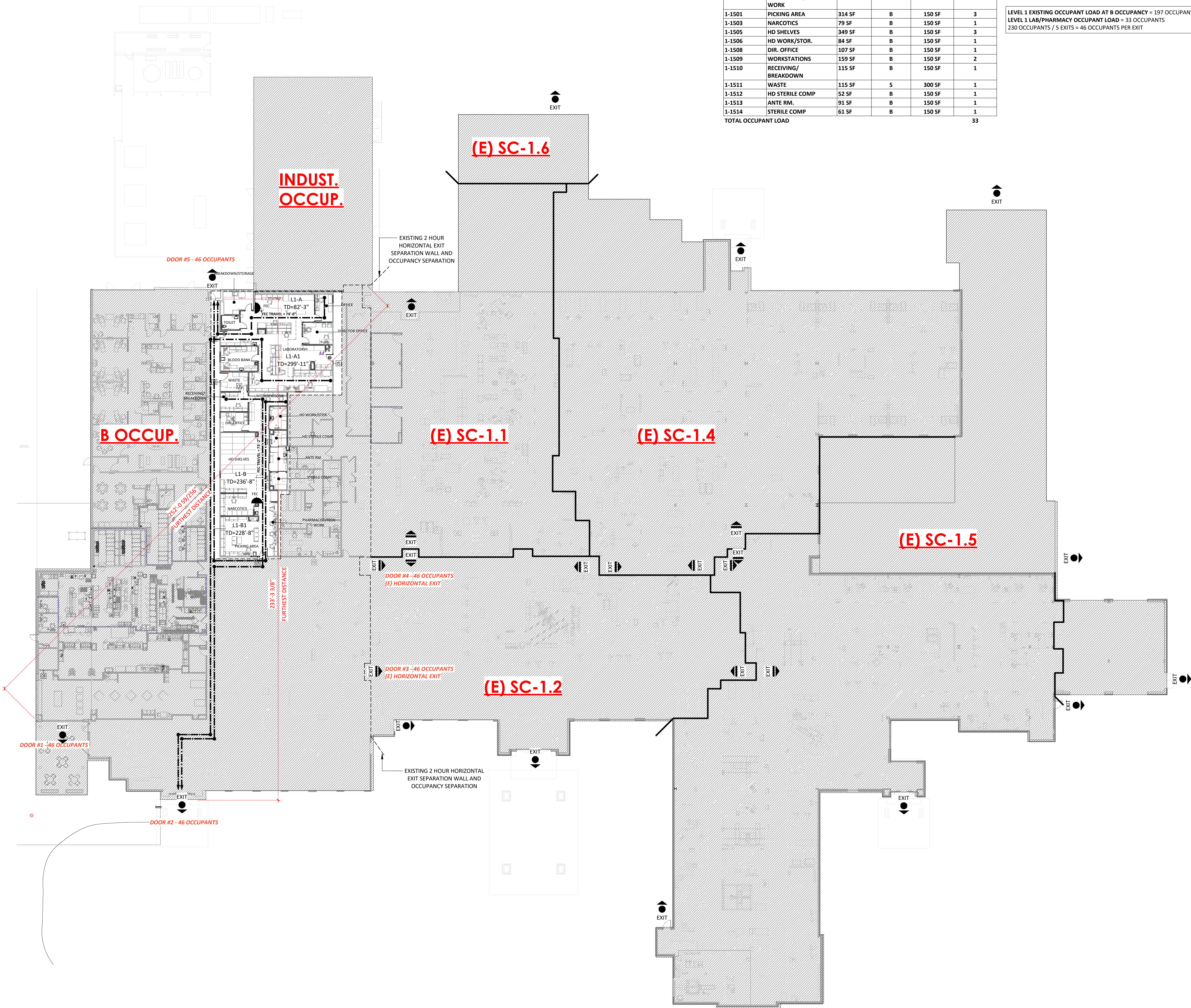
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REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: As indicated
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

ARCHITECTURAL SITE PLAN

AS001





ROOM OCCUPANCY - LEVEL 1					
NUMBER	NAME	AREA	OCC ID	LOAD FACTOR	OCC LOAD
1-1401	BLOOD BANK	196 SF	B	150 SF	2
1-1402	LABORATORY	1,476 SF	B	150 SF	10
1-1403	DIRECTOR OFFICE	138 SF	B	150 SF	1
1-1404	OFFICE	103 SF	B	150 SF	1
1-1405	BREAKDOWN/STORAGE	145 SF	B	150 SF	1
1-1406	TOILET	55 SF	B	150 SF	1
1-1500	PHARMACIST/TECH WORK	98 SF	B	150 SF	1
1-1501	PICKING AREA	314 SF	B	150 SF	3
1-1503	NARCOPTICS	79 SF	B	150 SF	1
1-1505	HD SHELVES	349 SF	B	150 SF	3
1-1506	HD WORK/STOR.	84 SF	B	150 SF	1
1-1508	DIR. OFFICE	107 SF	B	150 SF	1
1-1509	WORKSTATIONS	159 SF	B	150 SF	2
1-1510	RECEIVING/ BREAKDOWN	115 SF	B	150 SF	1
1-1511	WASTE	115 SF	S	300 SF	1
1-1512	HD STERILE COMP	52 SF	B	150 SF	1
1-1513	ANTE RM.	91 SF	B	150 SF	1
1-1514	STERILE COMP	61 SF	B	150 SF	1
TOTAL OCCUPANT LOAD					33

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT			
FUNCTION OF SPACE	ID	LOAD FACTOR	COMMENT
ACCESSORY STORAGE AREAS	S	300 SF	GROSS
ASSEMBLY TWO FIXED SEATS - CHAIRS ONLY	AC	7 SF	NET
ASSEMBLY TWO FIXED SEATS - TABLES & CHAIRS (WAITING)	AT	15 SF	NET
BUSINESS AREA (OFFICE)	B	150 SF	GROSS
INSTITUTIONAL - INPATIENT TREATMENT AREA	II	240 SF	GROSS
INSTITUTIONAL - OUTPATIENT AREA	IO	100 SF	GROSS
INSTITUTIONAL - SLEEPING AREA	IS	120 SF	GROSS

LEVEL 1 EXISTING OCCUPANT LOAD AT B OCCUPANCY = 197 OCCUPANTS
LEVEL 1 LAB/PHARMACY OCCUPANT LOAD = 33 OCCUPANTS
230 OCCUPANTS / 5 EXITS = 46 OCCUPANTS PER EXIT

LIFE SAFETY LEGEND

EXIT

EXIT ACCESS DOORWAY

HORIZONTAL EXIT/SMOKE COMPARTMENT EXIT

TRAVEL DISTANCE

INDICATES SMOKE COMPARTMENT SEPARATIONS (NEW PARTITIONS TO BE CONSTRUCTED PER THE PARTITION TYPES & DETAILS SHEETS)

FIRE EXTINGUISHER CABINET. PROVIDE FIRE EXTINGUISHERS THROUGHOUT THE PROJECT SO THAT OCCUPANTS ARE WITHIN A 75'-0" TRAVEL DISTANCE. REFER TO IFC TABLE 906.3(1)

SURFACE MOUNTED FIRE EXTINGUISHER

ILLUMINATED EXIT SIGN

MEANS OF EGRESS GENERAL NOTES

THE FOLLOWING MINIMUM CLEAR WIDTHS OF EGRESS COMPONENTS SHALL BE MET OR EXCEEDED.

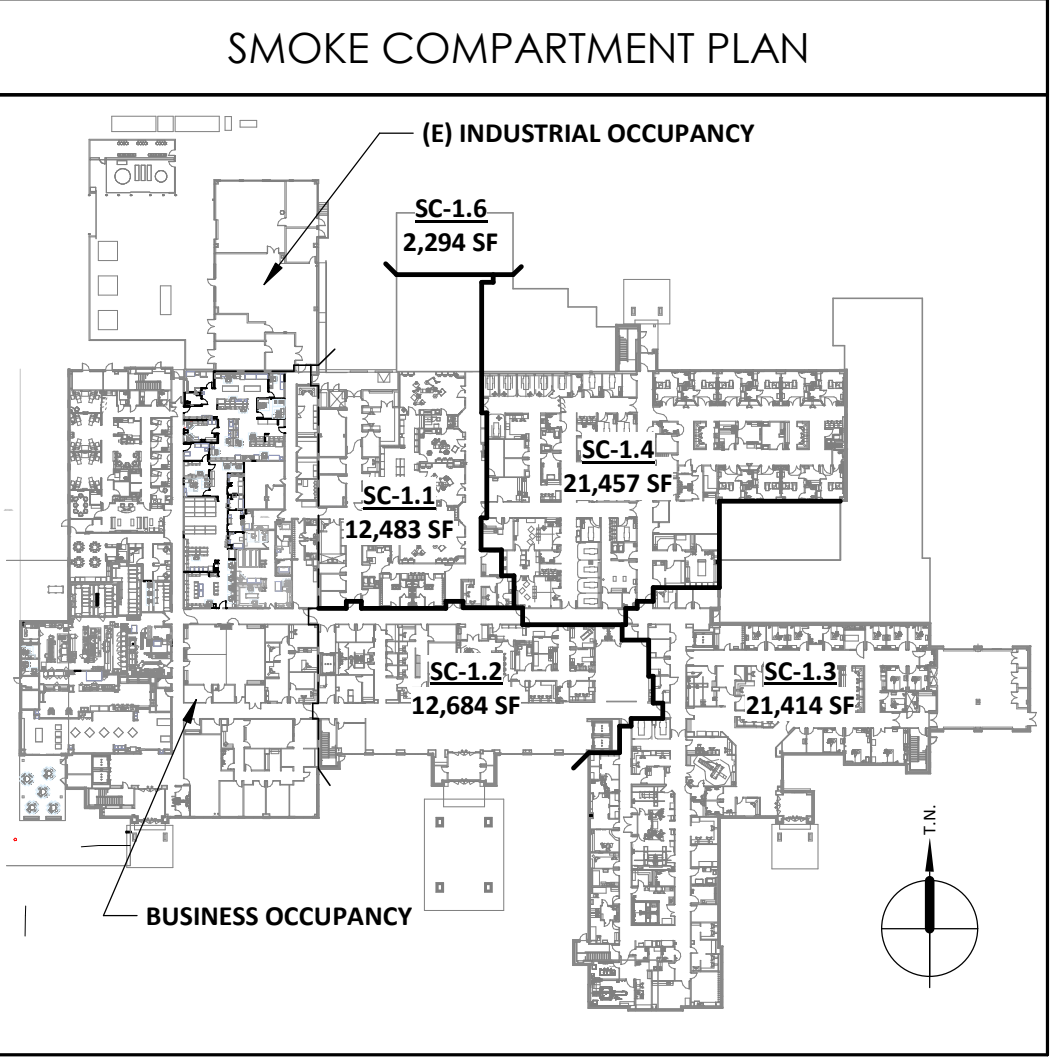
COMPONENT	MINIMUM CLEAR WIDTH
DOORS:	
MEANS OF EGRESS	32 INCHES
MEANS OF EGRESS IN 1-2 OCCUPANCY USED FOR MOVEMENT OF BEDS	41 1/2 INCHES
STAIRWAYS:	
GENERAL	44 INCHES
AIISLES:	36 INCHES
CORRIDORS, RAMPS, AND EXIT PASSAGEWAYS:	
50 OCCUPANTS OR GREATER	44 INCHES
LESS THAN 50 OCCUPANTS	36 INCHES
WHERE REQUIRED FOR BED MOVEMENT	96 INCHES
OUTPATIENT GURNEY TRAFFIC	72 INCHES

PARTITION LEGEND

EXISTING	NEW	
		NON-RATED PARTITION
		2-HOUR FIRE BARRIER
		1-HOUR FIRE BARRIER
		1-HOUR SMOKE BARRIER
		SMOKE PARTITION
		1-HOUR FIRE PARTITION
		LIMITS OF CONSTRUCTION (SHADE INDICATES AREA OUTSIDE OF SCOPE)

EXIT ACCESS TRAVEL DISTANCE - LEVEL 1	
PER IBC 1017.2 THE MAX LENGTH OF EXIT ACCESS TRAVEL SHALL NOT EXCEED 300FT (B FULLY SPRINKLERED)	
PATH NAME	DISTANCE
LEVEL 1	
L1-A	82'-3"
L1-A1	299'-11"
L1-B	236'-8"
L1-B1	228'-8"

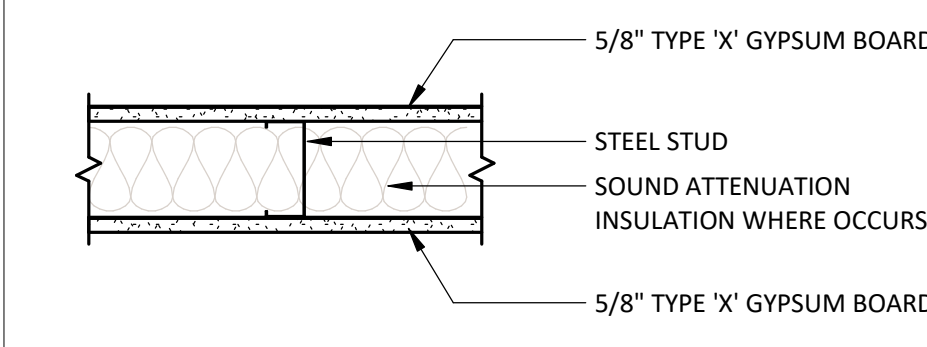
EXIT DOOR SCHEDULE				
MINIMUM EGRESS WIDTH REQUIRED IS THE GREATER WIDTH CALCULATED PER IBC SECTION 1005.3 AND 1010.1.1. AND MINIMUM EGRESS WIDTH PROVIDED ASSUMES LEAF THICKNESS OF 2", INCLUDING HINGES				
DOOR #	EXIT DESCRIPTION	OCC. LOAD	WIDTH REQUIRED	WIDTH PROVIDED
LEVEL 1				
(E) DOOR #2	@MOB ENT.	46	32"	140 1/2"
(E) DOOR #5	@ REAR	46	32"	34"



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SUMMARY OF REQUIRED FIRE PROTECTION ASSEMBLIES							
CATEGORY	FUNCTION	DESCRIPTION	REQUIRED RATING	TYPE OF PROTECTION	BASIS OF DESIGN PRODUCT	LISTED DETAIL	NOTES
FLOOR & ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS	2TH FLOOR DECK	COMPOSITE FLUTED STEEL & CONCRETE FLOOR DECK	2-HOUR	MATERIAL ASSEMBLY EQUIVALENCY / INHERENT RATING	N/A	UL DESIGN D982	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION
	ROOF DECK	LIGHTWEIGHT INSULATION CONCRETE OVER FLUTED STEEL ROOF DECKING	1-HOUR	GYPSUM BASED SPRAY-APPLIED FIRE RESISTIVE MATERIAL	VARIES - SEE UL DETAIL	UL DESIGN P921	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION
	RATED DECK PENETRATIONS FOR MECHANICAL, PLUMBING, OR ELECTRICAL ITEMS	VARIOUS PENETRATIONS THROUGH RATED DECKING AS REQUIRED	1-HOUR	FIRE RESISTIVE JOINT MATERIAL / ASSEMBLY	VARIES	UL DESIGN C-AJ-1044 UL DESIGN C-AJ-1429 UL DESIGN C-AJ-5119 UL DESIGN C-AJ-4056 UL DESIGN C-AJ-5156 UL DESIGN C-AJ-5001 UL DESIGN C-AJ-5183 UL DESIGN C-AJ-6041 UL DESIGN C-AJ-5210 UL DESIGN C-AJ-7076 UL DESIGN C-AJ-7081	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION

A

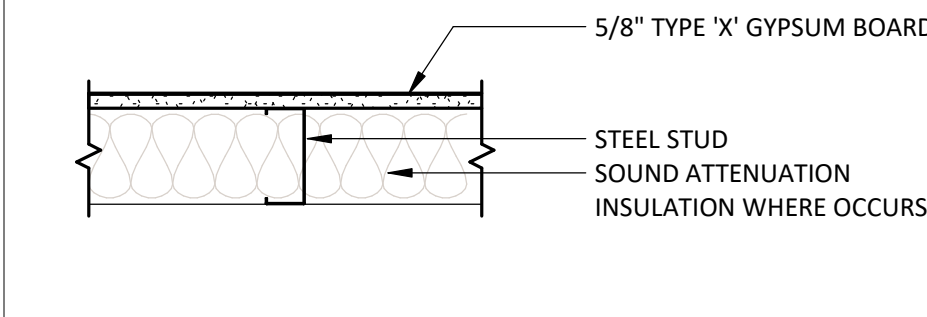


PARTITION TYPE	STUD WIDTH
A1	1 1/2"
A2	2 1/2"
A3	3 5/8"
A4	4"
A6	6"
A8	8"

MODIFIERS:

1. PARTIAL HEIGHT SEE PLAN FOR TOP OF PARTITION ELEVATION

F



PARTITION TYPE	STUD WIDTH
F1	1 1/2"
F2	2 1/2"
F3	3 5/8"
F4	4"
F6	6"
F8	8"

MODIFIERS:

1. PARTIAL HEIGHT SEE PLAN FOR TOP OF PARTITION ELEVATION

2. GYPSUM BOARD 6" ABOVE CEILING

3. EXTEND TO DECK TO MAINTAIN STC RATING

PARTITIONS GENERAL NOTES

- ALL PARTITIONS TO EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.
- BRACE PARTITION TO STRUCTURE ABOVE.
- PROVIDE MOISTURE RESISTANT GYPSUM BOARD (OR CEMENT BOARD) AT WALL TILE LOCATIONS IN LIEU OF STANDARD GYPSUM BOARD.
- PROVIDE STEEL STUD SILL AND HEADER AT ALL INTERIOR PARTITION PENETRATIONS FOR CONDUIT AND CABLE TRAYS AS REQUIRED.
- PROVIDE FIRE BATTS AND FIRE SAFING AND SEALANT ASSEMBLIES AT ALL PENETRATIONS THROUGH RATED PARTITIONS AS REQUIRED.
- FOR STC RATINGS SEE STC PLANS. PROVIDE CONTINUOUS ACOUSTICAL SEALANT AT THE BOTTOM TRACK AND AT TOP TRACK WHERE PARTITION EXTENDS TO DECK.
- STUD DEPTHS, HEIGHTS AND LIMITS TO BE ENGINEERED BY THE STUD DESIGN ENGINEER.

PARTITIONS LEGEND

A4

#

INDICATES PARTITION TYPE

INDICATES MODIFIER

Devenney GROUP

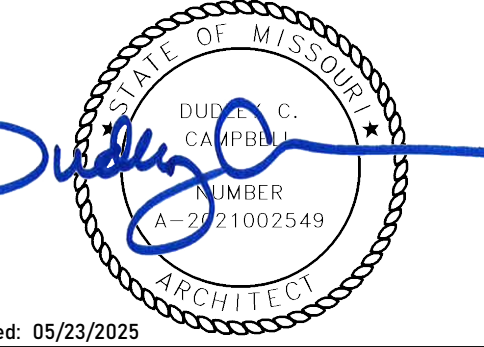
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MISSOURI DHSS

FACILITY NUMBER:
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AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025

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

DRAWN: PL, JV

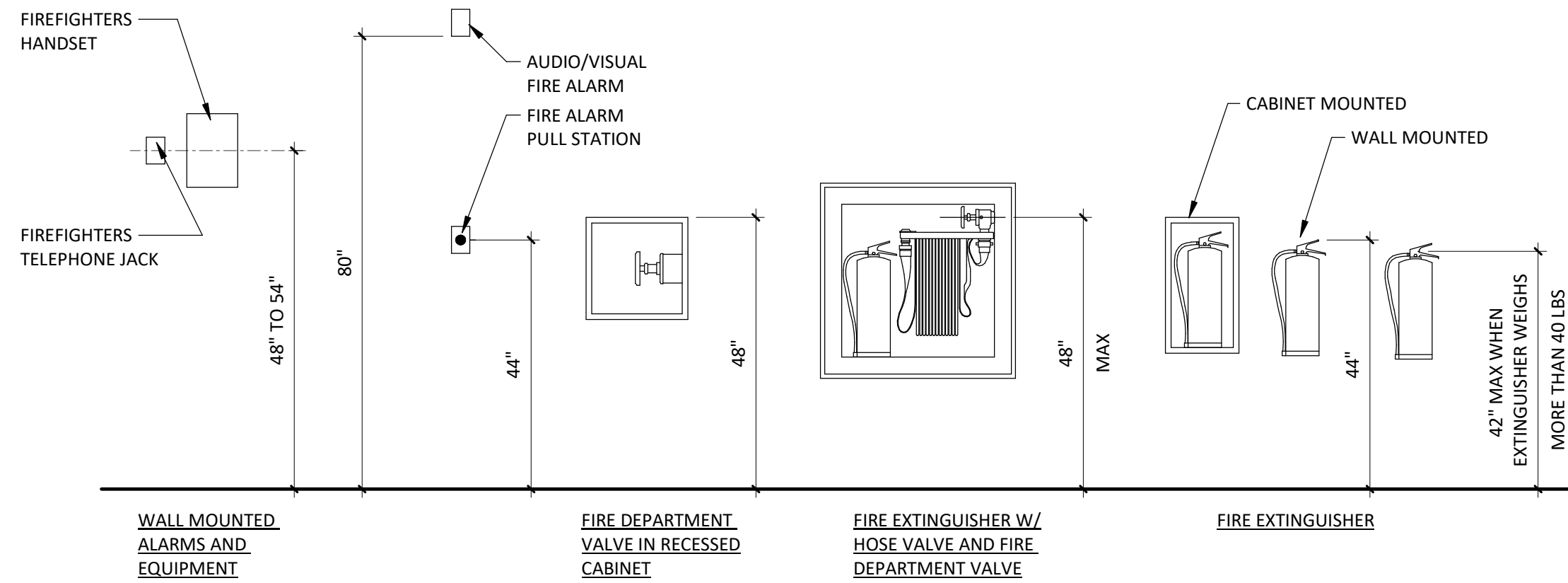
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JOB NUMBER: 6406.24

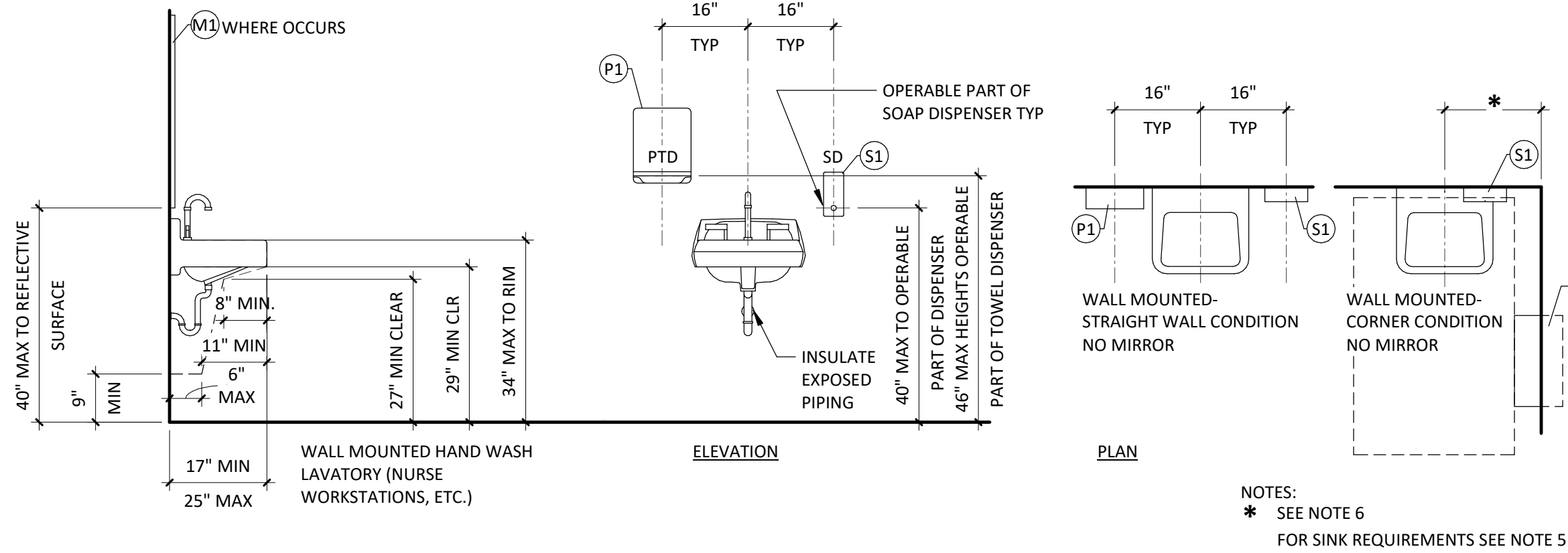
PARTITION TYPES & DETAILS

AC501

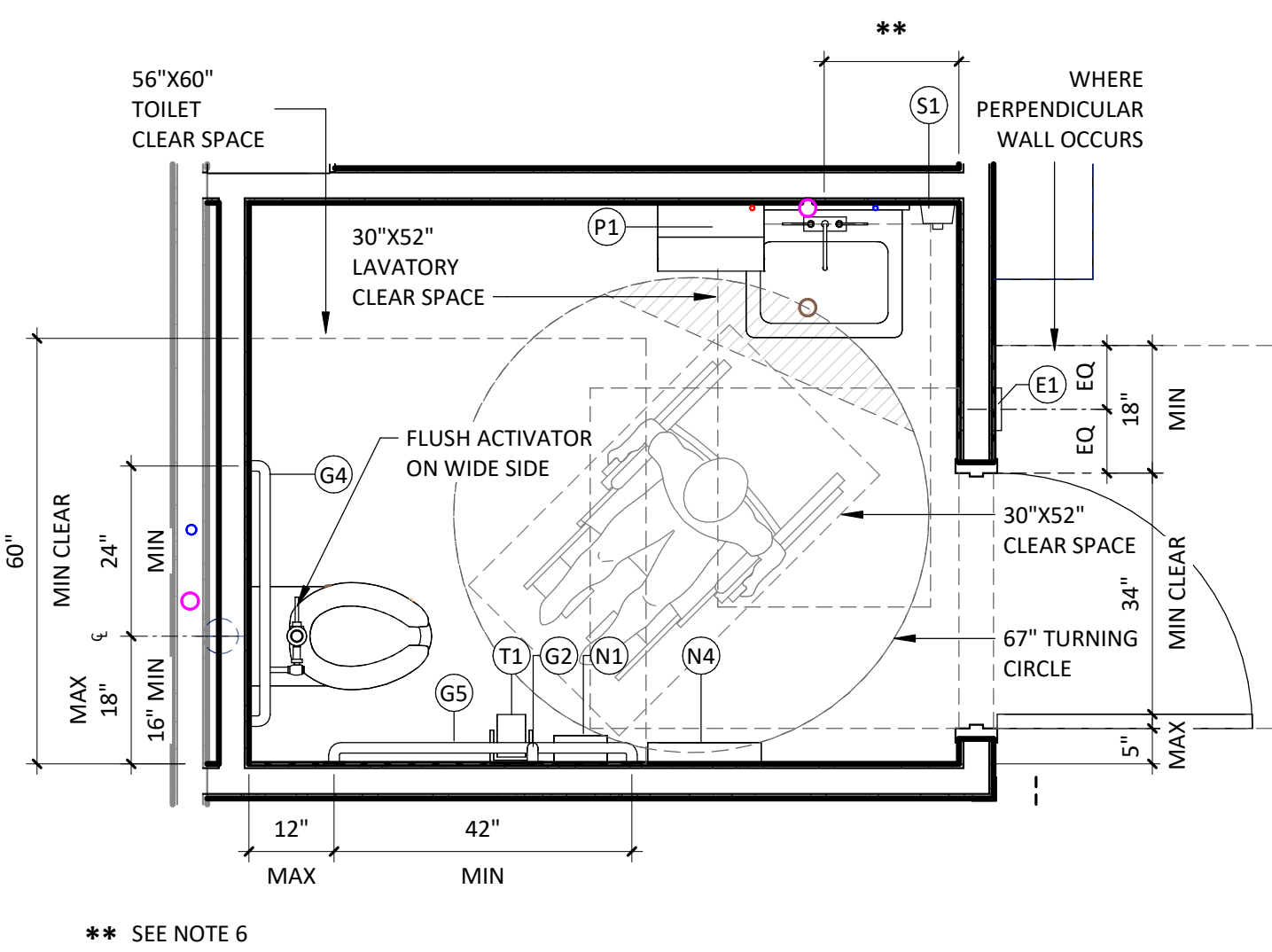
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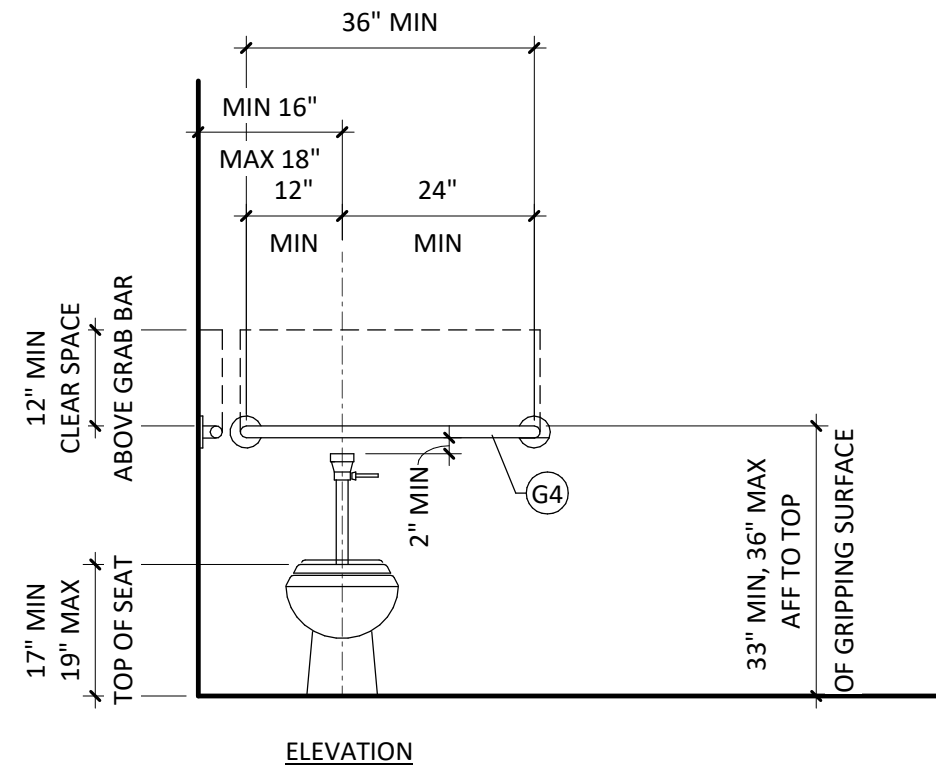
6 TYPICAL FIRE EQUIPMENT
1/2" = 1'-0"



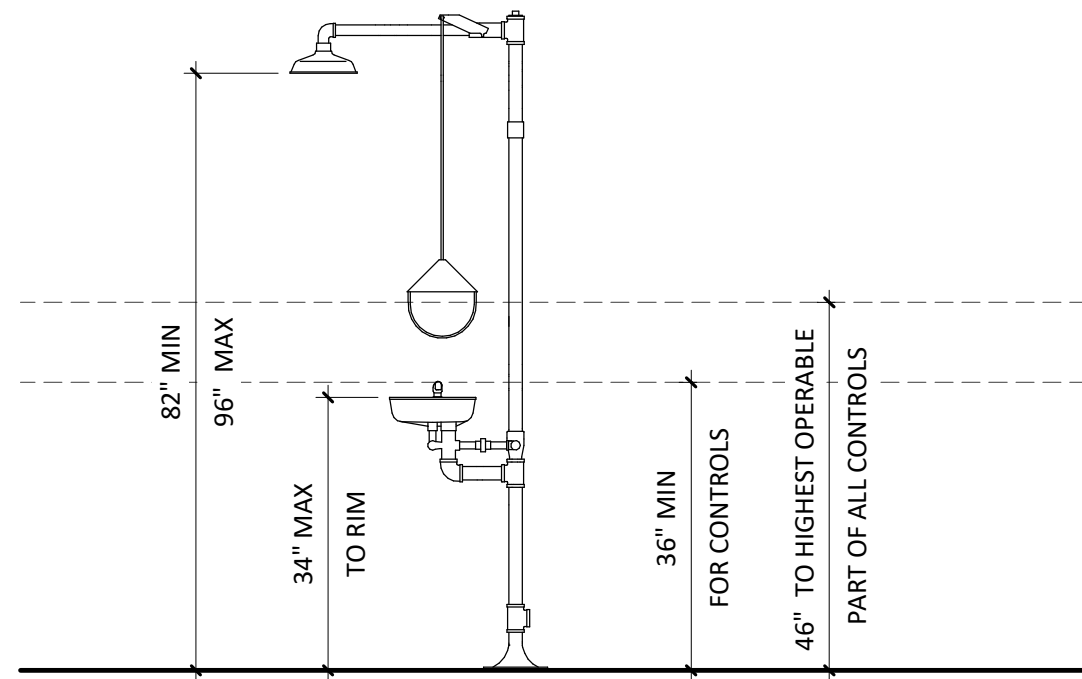
4 TYPICAL WALL MOUNTED LAVATORY
1/2" = 1'-0"



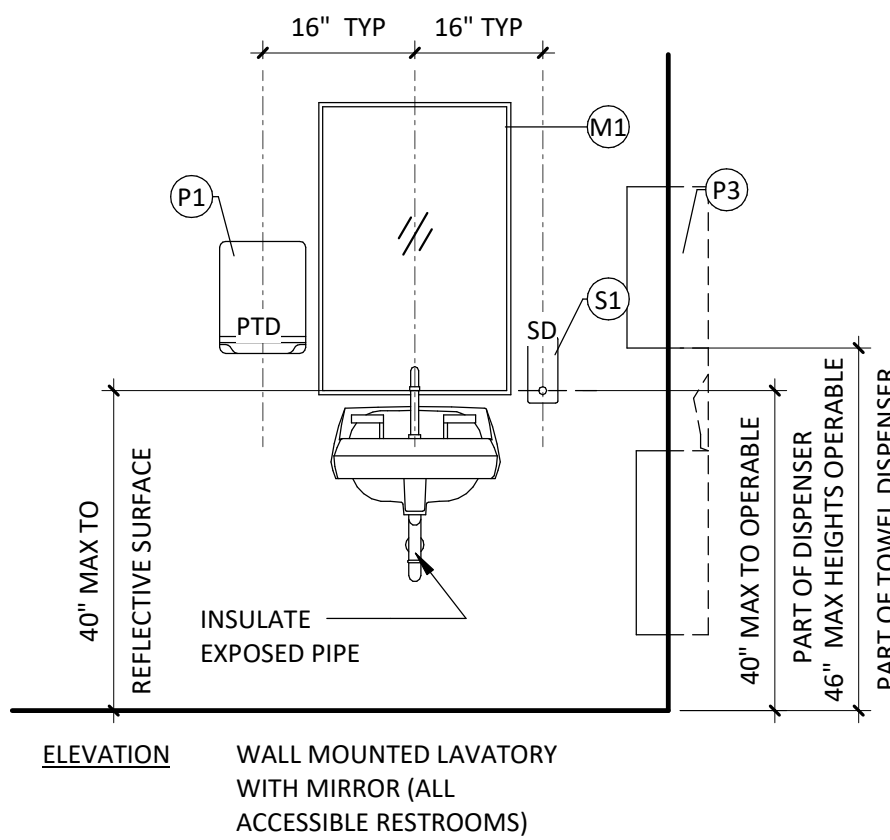
8 OUT-SWING ACCESSIBLE TOILET ROOM
1/2" = 1'-0"



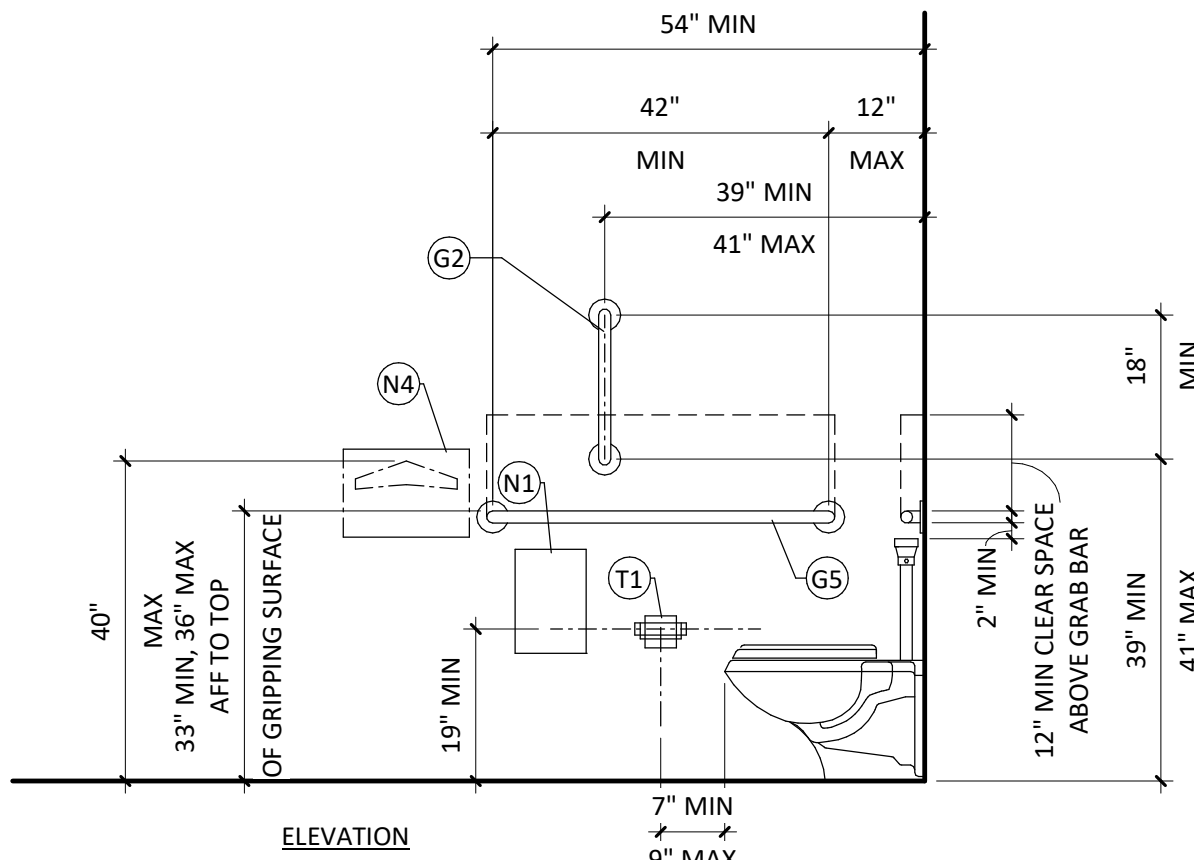
2 TYPICAL WATER CLOSET ACCESSORIES ELEVATIONS
1/2" = 1'-0"



7 EMERGENCY SHOWER WITH EYEWASH
1/2" = 1'-0"



5 TYPICAL LOCKER WITH BASE
1/2" = 1'-0"



3 TYPICAL MIRRORS
1/2" = 1'-0"

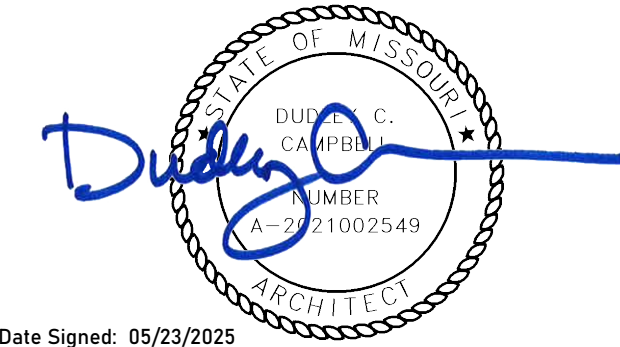
TYPICAL MOUNTING GENERAL NOTES

- IT IS THE INTENT OF THE DESIGN THAT ALL ITEMS SHOWN MOUNTED AT TYPICAL HEIGHTS BE ACCESSIBLE TO PERSONS WITH DISABILITIES. ITEMS INDICATED AS NON-ACCESSIBLE ARE INTENDED FOR AUTHORIZED STAFF & SHALL BE COORDINATED W/ CLINICAL FUNCTION PER OWNER'S REQUIREMENTS.
- THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE TYPICAL MOUNTING HEIGHTS AND - WHERE APPLICABLE - TYPICAL MINIMUM OR MAXIMUM CLEARANCES AND/OR TYPICAL MOUNTING CONFIGURATIONS WHICH MAY OCCUR AS PART OF THE WORK OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND SCHEDULES TO DETERMINE WHICH ITEMS AND CONFIGURATIONS APPLY TO THE WORK OF THIS PROJECT.
- TYPICAL DIMENSIONS SHOWN ON THIS SHEET TAKE PRECEDENCE OVER TYPICAL DIMENSIONS SHOWN ON THE ELECTRICAL OR MECHANICAL DRAWINGS FOR THE MOUNTING OF ITEMS INSTALLED BY THE ELECTRICAL OR MECHANICAL TRADES. WHERE DISCREPANCIES OCCUR ARCHITECT SHALL BE NOTIFIED IN WRITING.
- MOUNTING HEIGHTS, DIMENSIONS, CLEARANCES, AND ACCESS REQUIREMENTS FOR TOILET ACCESSORIES SHOWN ON THIS SHEET ARE GENERIC. SPECIFIC MANUFACTURERS AND MODELS AS INDICATED IN THE PROJECT MANUAL MOUNTING HEIGHTS, DIMENSIONS, CLEARANCES, AND ACCESS REQUIREMENTS OF THE SIMILAR ACCESSORIES MAY VARY FROM THOSE SHOWN HERE. WHEN SIMILAR ACCESSORIES ARE UTILIZED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED TO ACHIEVE THE SAME AESTHETIC, FUNCTIONAL, AND ACCESSIBLE DESIGN INTENT ILLUSTRATED BY THE CONFIGURATION SHOWN ON THE DRAWINGS.
- HANDWASH STATION/LAVATORY WITH GOOSENECK FAUCET SHALL HAVE A LAVATORY BASIN AREA NOT LESS THAN 144 SQ. INCHES WITH A MINIMUM 9" WIDTH OR LENGTH. THE WATER DISCHARGE POINT OF THE GOOSENECK FAUCET SHALL BE A MINIMUM 10" ABOVE THE BOTTOM OF THE LAVATORY BASIN. PER FGI GUIDELINES LAVATORIES & HAND WASHING SINKS SHALL BE SECURELY ANCHORED TO WITHSTAND AN APPLIED VERTICAL LOAD NOT LESS THAN 250 POUNDS ON THE FIXTURE & MILLWORK FRONT.
- 18" MIN WHEN USING (P1) (WASTE RECEPTACLE SHALL NOT ENCR OACH ON FIXTURE CLEAR SPACE OR TURNING RADIUS. COORDINATE SIZE WITH OWNER) 20" MIN WHEN USING A (P3) COMBINATION UNIT.

ACCESSORY LEGEND

- (T1) SURFACE MOUNTED OR RECESSED TOILET PAPER DISPENSER
- (S1) SOAP DISPENSER (ADULT)
- (P1) SURFACE MOUNTED OR RECESSED PAPER TOWEL DISPENSER (BOBRICK B-262/B-359)
- (N4) TOILET SEAT COVER DISPENSER
- (N1) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL AT FEMALE AND UNISEX TOILET ONLY
- (M1) 24"WX36"H SURFACE MOUNTED MIRROR
- (M8) 18"WX24"H SURFACE MOUNTED MIRROR
- (H1) SURFACE MOUNTED COAT HOOK
- (G1) 12" LENGTH GRAB BAR
- (G2) 18" LENGTH GRAB BAR
- (G3) 24" LENGTH GRAB BAR
- (G4) 36" LENGTH GRAB BAR
- (G5) 42" LENGTH GRAB BAR
- (E1) TACTILE ROOM SIGN - WHERE OCCURS

Consultant:



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LAB & PHARMACY RENOVATION

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LEE'S SUMMIT, MO 64063

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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

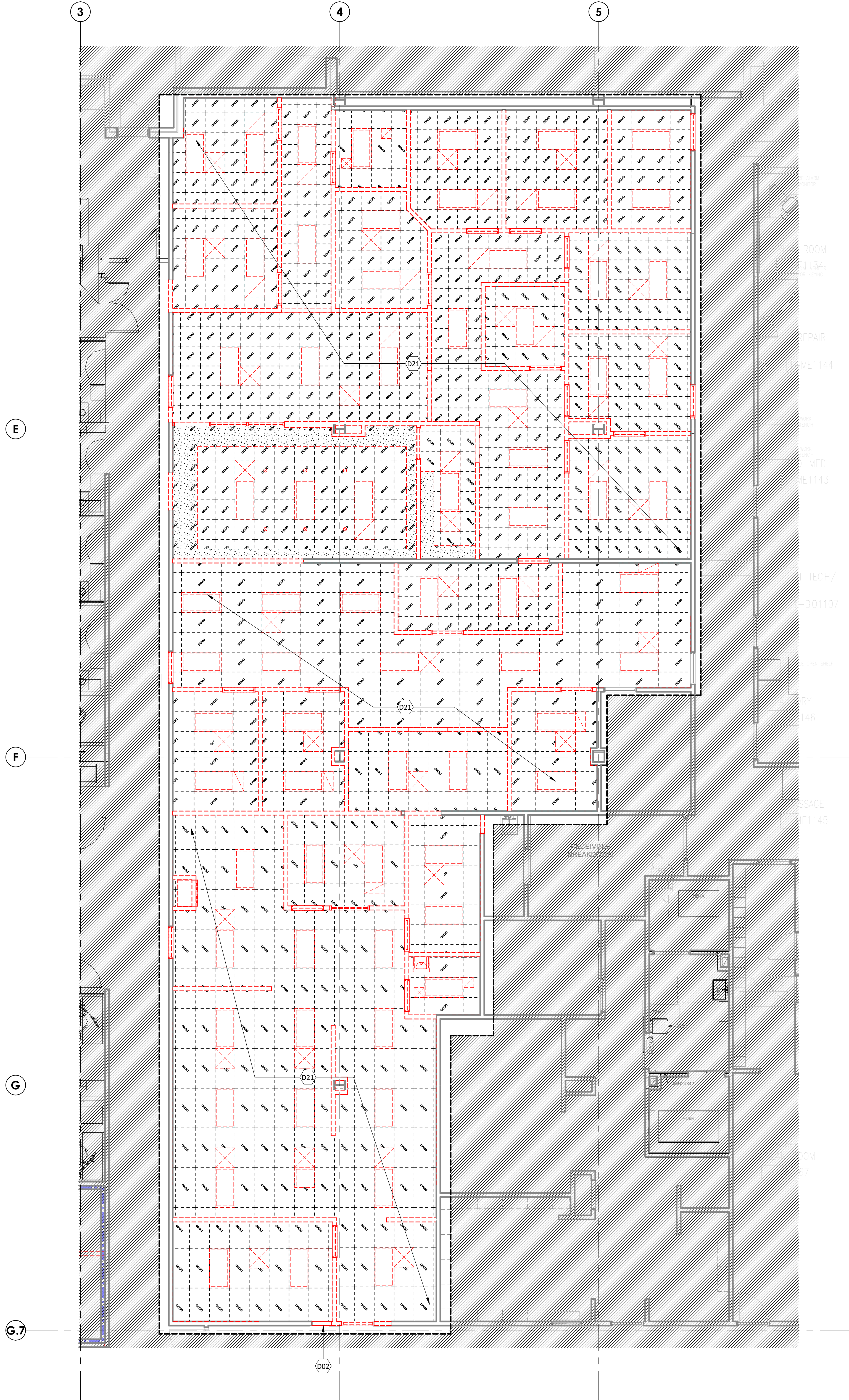
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SCALE: 1/2" = 1'-0"
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

TYPICAL MOUNTING HEIGHTS

1

DEMOLITION RCP - LEVEL 1 - SECTOR B - LAB AND PHARMACY

3/16" = 1'-0"



DEMOLITION GENERAL NOTES

1. DELIVER SALVAGED ITEMS TO THE OWNER AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THIS MAY INCLUDE BUT IS NOT LIMITED TO CASEWORK, FURNITURE, DOORS, DOOR HARDWARE, DISPENSERS, MARKERBOARDS, MEDICAL EQUIPMENT, MEDICAL GAS ITEMS, PLUMBING FIXTURES, LIGHT FIXTURES, AND MECHANICAL EQUIPMENT. ALL OTHER ITEMS SHALL BE DISPOSED OF BY CONTRACTOR.
2. PATCH AND REPAIR FLOOR, WALL, AND CEILING PENETRATIONS WHERE ITEMS HAVE BEEN REMOVED TO MATCH EXISTING FINISH. SEAL RATED ASSEMBLIES WITH APPROVED U.L. RATED MATERIALS.
3. PROTECT ADJACENT ITEMS THAT ARE TO REMAIN INCLUDING, BUT NOT LIMITED TO, FINISHES, CASEWORK, FURNITURE, DOORS, PLUMBING FIXTURES, CEILING ASSEMBLIES, AND MECHANICAL EQUIPMENT.
4. PROTECT STRUCTURAL COLUMNS, BEAMS, AND FRAMING. MAINTAIN SPRAYED ON FIREPROOFING RATING AT STRUCTURAL MEMBERS. DAMAGE TO FIREPROOFING SHALL BE PATCHED AND/OR REPLACED TO BRING TO ORIGINAL AND/OR REQUIRED PROTECTION RATING.
5. REMOVE EXISTING FLOOR FINISHES AND PREPARE EXISTING SLAB FOR NEW FINISH INSTALLATION, U.N.O.

REFLECTED CEILING LEGEND

EXISTING	DEMO	
		2 X 2 ACOUSTICAL CEILING GRID SYSTEM
		2 X 4 ACOUSTICAL CEILING GRID SYSTEM
		GYPSUM BOARD
		RECESSED FLUORESCENT / LED FIXTURE
		SURFACE MOUNT FLUORESCENT / LED FIXTURE
		LINEAR PENDENT STRIP LIGHT
		LINEAR PENDENT LIGHT
		PENDENT LIGHT
		RECESSED DOWNLIGHT
		EMERGENCY EXIT SIGN
		SPEAKER
		SMOKE DETECTOR
		SPRINKLER
		UNDER CABINET LIGHT
		LINEAR WALL LIGHT
		WALL SCONCE
		ACCESS PANEL (DIMENSIONED ON PLAN)
		RETURN AIR GRILLE
		EXHAUST GRILLE
		CURTAIN TRACK

PARTITION LEGEND

EXISTING	NEW	
		NON-RATED PARTITION
		2-HOUR FIRE BARRIER
		1-HOUR FIRE BARRIER
		1-HOUR SMOKE BARRIER
		SMOKE PARTITION
		1-HOUR FIRE PARTITION
		LIMITS OF CONSTRUCTION (SHADE INDICATES AREA OUTSIDE OF SCOPE)

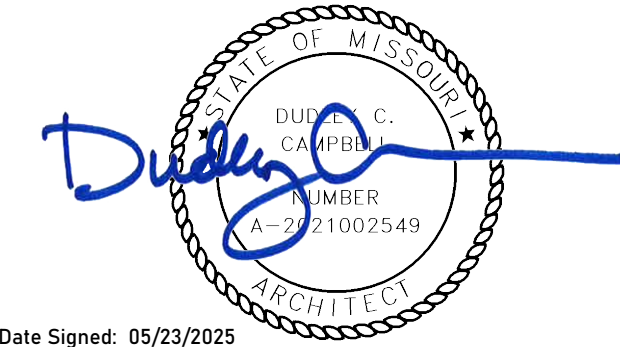
KEYNOTE LEGEND

KEY	NOTE
D02	RELOCATE THE EXISTING SLIDING VERTICAL WINDOW.
D21	REMOVE ALL LIGHT FIXTURES, DIFFUSERS AND OTHER CEILING MOUNTED COMPONENTS.



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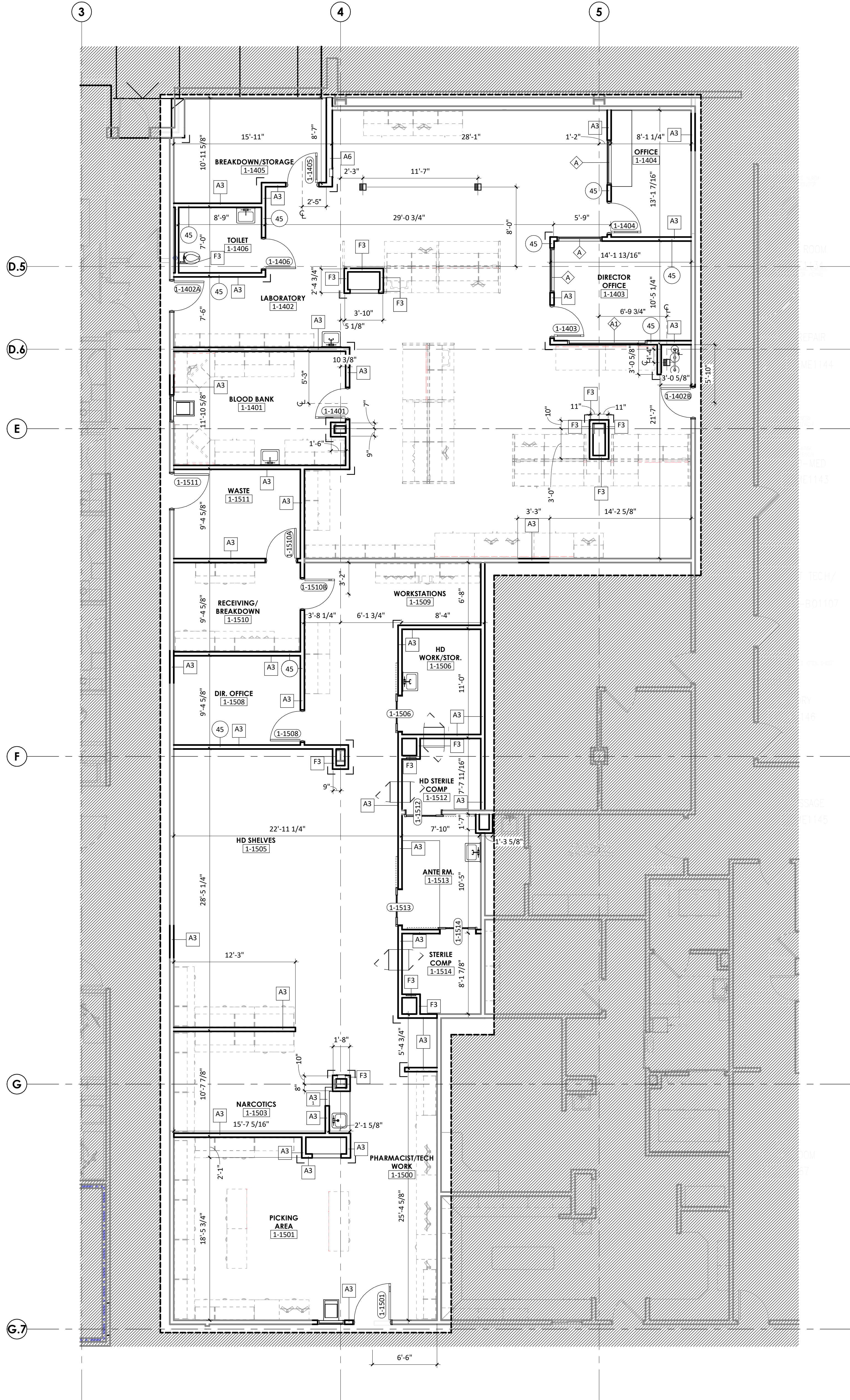
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DRAWN: PL, JV
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DEMOLITION RCP - LEVEL 1 - SECTOR B - LAB & PHARMACY

AD171

1 DIMENSION PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY

3/16" = 1'-0"



DIMENSION PLANS GENERAL NOTES

1. THE WORD "CLEAR" INDICATES CRITICAL DIMENSIONS FOR ACCESSIBLE EQUIPMENT OR FUNCTIONAL CLEARANCES FROM FACE OF FINISH TO FACE OF FINISH.
2. DIMENSIONS MEASURE FROM THE EXPOSED SURFACE OF EXISTING WALLS, PARTITIONS, COLUMNS, ETC.; NEW PARTITIONS ARE DIMENSIONED TO THE FACE OF THE FRAMING, MEASURE AND VERIFY DIMENSIONS IN FIELD.
3. ALL INFORMATION GRAYED-OUT INDICATES EXISTING OR SCOPE PROVIDED BY OTHERS.
4. WHERE NEW PARTITIONS ABUT EXISTING PARTITIONS, BUILD NEW PARTITION TIGHT TO FACE OF EXISTING PARTITION U.N.O.

PARTITION LEGEND

EXISTING	NEW	NON-RATED PARTITION
		2-HOUR FIRE BARRIER
		1-HOUR FIRE BARRIER
		1-HOUR SMOKE BARRIER
		SMOKE PARTITION
		1-HOUR FIRE PARTITION
		LIMITS OF CONSTRUCTION (SHADE INDICATES AREA OUTSIDE OF SCOPE)

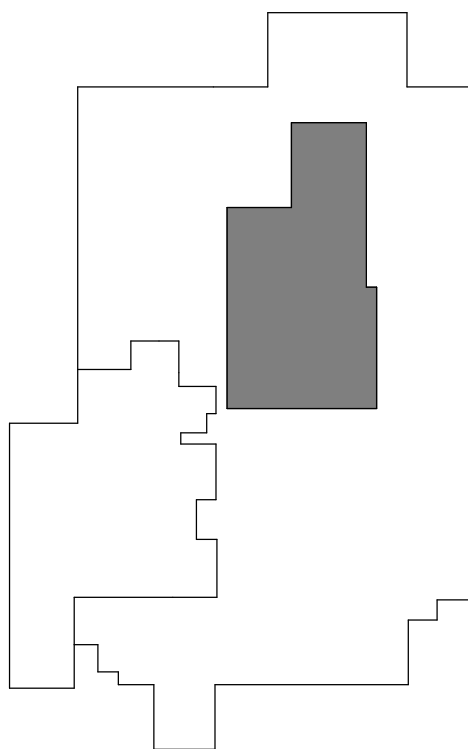
STC PARTITION RATINGS

DESIGN CRITERIA FOR MIN. SOUND ISOLATION PERFORMANCE BETWEEN ENCLOSED ROOMS	
TOILET ROOM	45
OFFICE	45
PUBLIC SPACE INCLUDES CORRIDORS (EXCEPT PATIENT ROOM ACCESS CORRIDORS), LOBBIES, DINING ROOMS, RECREATION ROOMS AND SIMILAR SPACE.	
1. REFER TO SPECIFICATIONS FOR GYP BD REQUIREMENTS AT STC >40 CONDITIONS	
2. THE STC VALUES STATED ASSUME THE NEED FOR NORMAL SPEECH PRIVACY AS PER 2022 CBC TABLE 1224.4.19	
3. PUBLIC SPACE INCLUDES CORRIDORS (EXCEPT PATIENT ROOM ACCESS CORRIDORS), LOBBIES, DINING ROOMS, RECREATION ROOMS AND SIMILAR SPACE.	
4. SERVICE AREAS FOR THE PURPOSES OF THIS TABLE INCLUDE KITCHENS, ELEVATORS, ELEVATOR MACHINE ROOMS, LAUNDRIES, GARAGES, MAINTENANCE ROOMS, BOILER AND MECHANICAL EQUIPMENT LOCATED ON THE SAME FLOOR OR ABOVE PATIENT ROOMS, OFFICES, NURSE STATIONS AND SIMILAR OCCUPIED SPACE SHALL BE EFFECTIVELY ISOLATED FROM THE FLOOR.	
5. RENOVATION PROJECTS OF EXISTING SPACES WHERE THE EXISTING FUNCTION IS NOT CHANGED, ARE NOT REQUIRED TO COMPLY WITH THE REQUIREMENTS OF TABLE 1224.4.19.	
6. STC 45 RATING AT OFFICE PROVIDED FOR CONVENIENCE, NOT CODE REQUIRED.	
7. IN PARTITIONS WITH AND STC RATING OF 44 OR GREATER PROVIDE ACOUSTICAL PUTTY PADS AT ELECTRICAL ROUGH-IN BOXES THAT ARE BACK-TO-BACK CONFIGURATON OR WHERE ELECTRICAL BOX SEPARATION DISTANCES IS LESS THAN 24"	
8. PENETRATIONS THROUGH FULL HEIGHT STC PARTITIONS SHOULD BE CENTERED IN OPENING AND SEALED AIRTIGHT.	
9. CALBE TRAY PENETRATIONS IN STC PARTITIONS SHOULD BE PACKED TIGHTLY WITH HEAVY DENSITY PUTTY.	

KEYNOTE LEGEND

KEY	NOTE
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KEY PLAN

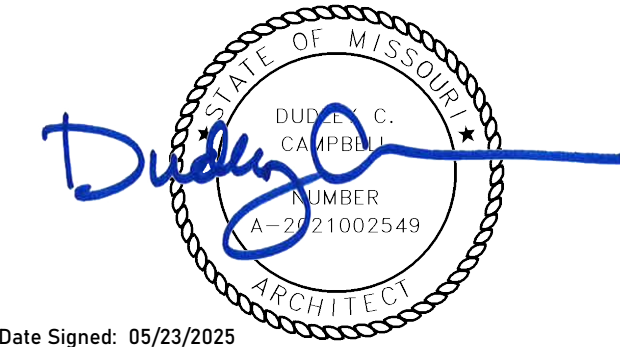


LEVEL 1 - KEYPLAN

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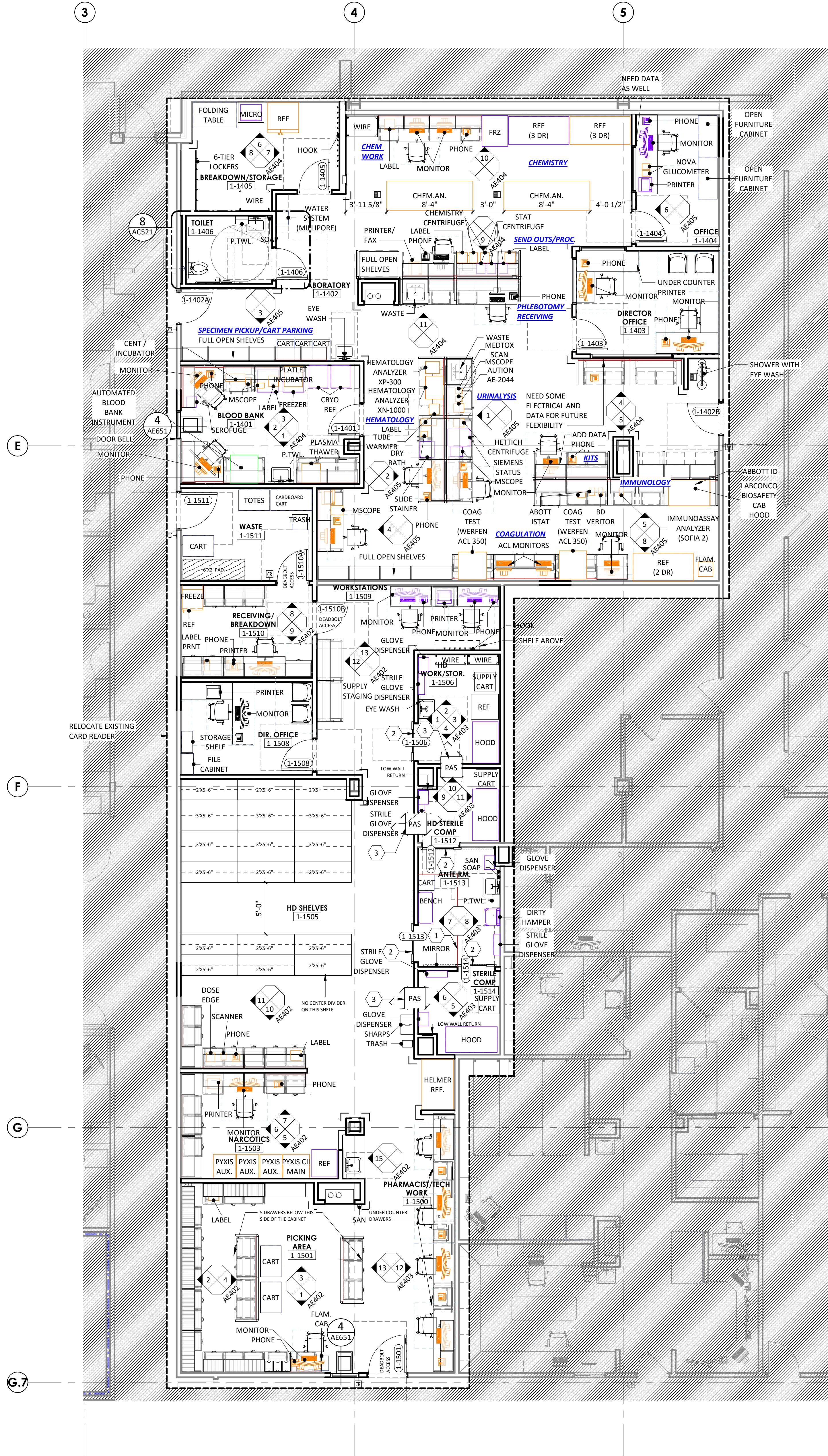
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DATE: 05/23/2025
SCALE: As indicated
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

DIMENSION FLOOR PLAN -
LEVEL 1 - SECTOR B - LAB &
PHARMACY

AE121B



ANNOTATION PLAN GENERAL NOTES

1. THE WORD "CLEAR" INDICATES CRITICAL DIMENSIONS FOR ACCESSIBLE EQUIPMENT OR FUNCTIONAL CLEARANCES FROM FACE OF FINISH TO FACE OF FINISH.

2. DIMENSIONS MEASURE FROM THE EXPOSED SURFACE OF EXISTING WALLS, PARTITIONS, COLUMNS, ETC.; NEW PARTITIONS ARE DIMENSIONED TO THE FACE OF THE FRAMING, MEASURE AND VERIFY DIMENSIONS IN FIELD.

3. ALL INFORMATION GRAYED-OUT INDICATES EXISTING.

PARTITION LEGEND

EXISTING

NEW

NON-RATED PARTITION

2-HOUR FIRE BARRIER

1-HOUR FIRE BARRIER

1-HOUR SMOKE BARRIER

SMOKE PARTITION

1-HOUR FIRE PARTITION

LIMITS OF CONSTRUCTION (SHADE INDICATES AREA OUTSIDE OF SCOPE)

EXISTING / RELOCATED

NEW EQUIPMENT

FUTURE EQUIPMENT

KEYNOTE LEGEND

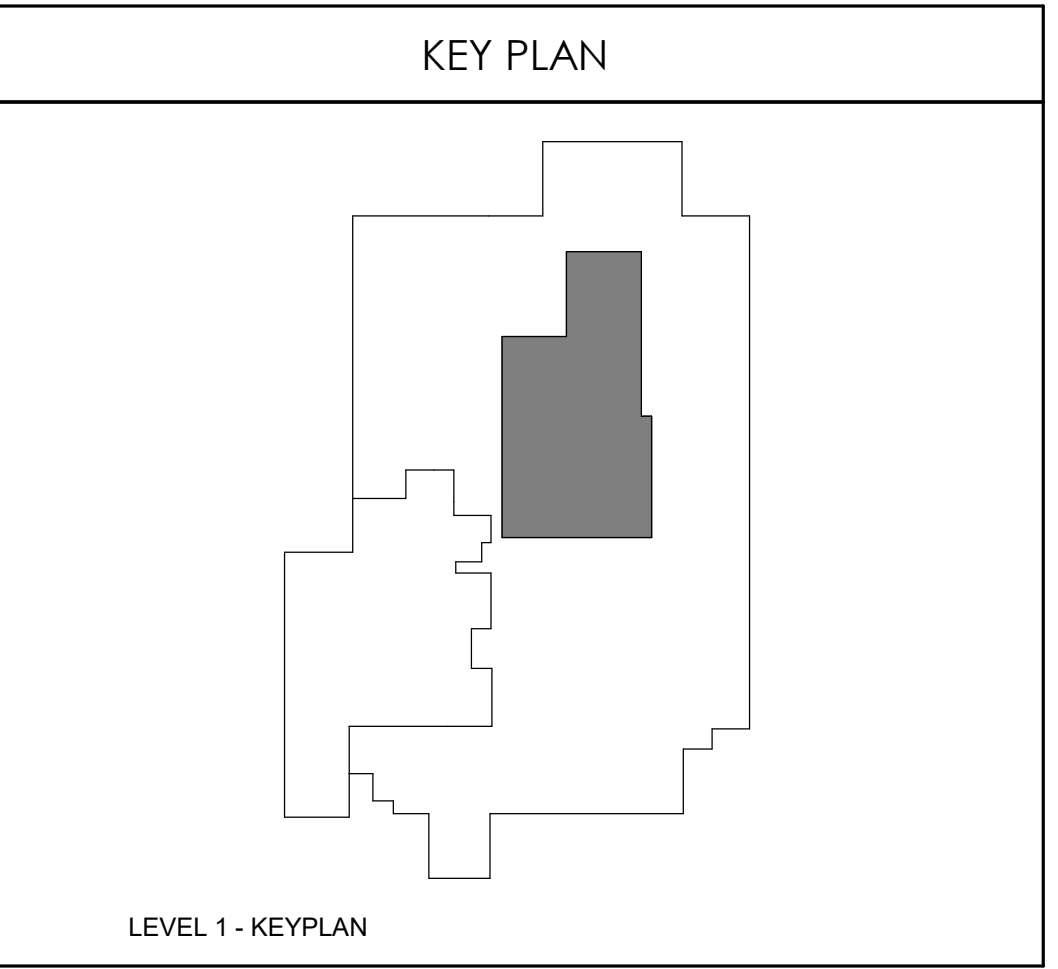
KEY

NOTE

1. EDGE OF FLOOR COVERING DESIGNATING CLEAR DEMARCATION AREA.

2. ASSA ABLOY 51500 SA-PP SURFACE APPLIED, P-PANEL NARROW STILE SINGLE SLIDE DOOR SYSTEM. REMOVE OVERHEAD MOTION SENSOR DOOR ACTUATOR AND REPLACE WITH WALL MOUNTED WAVE PLATE ON BOTH INTERIOR AND EXTERIOR SIDE OF DOOR.

3. PASS - THROUGH BY CLEAN AIR PRODUCTS (CAP18WFB) 24X24X24 FULLY WELDED) - INSTALL PER MANUFACTURERS WRITTEN SPECIFICATIONS.



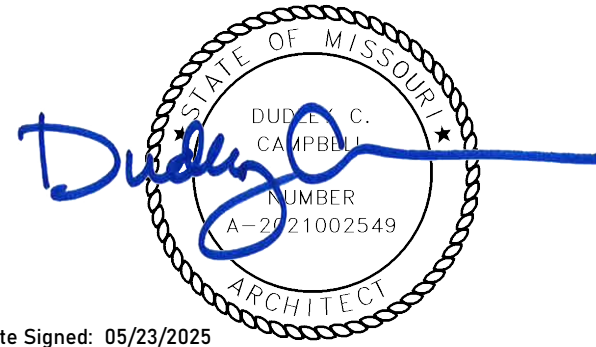
1 ANNOTATION FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY

3/16" = 1'-0"

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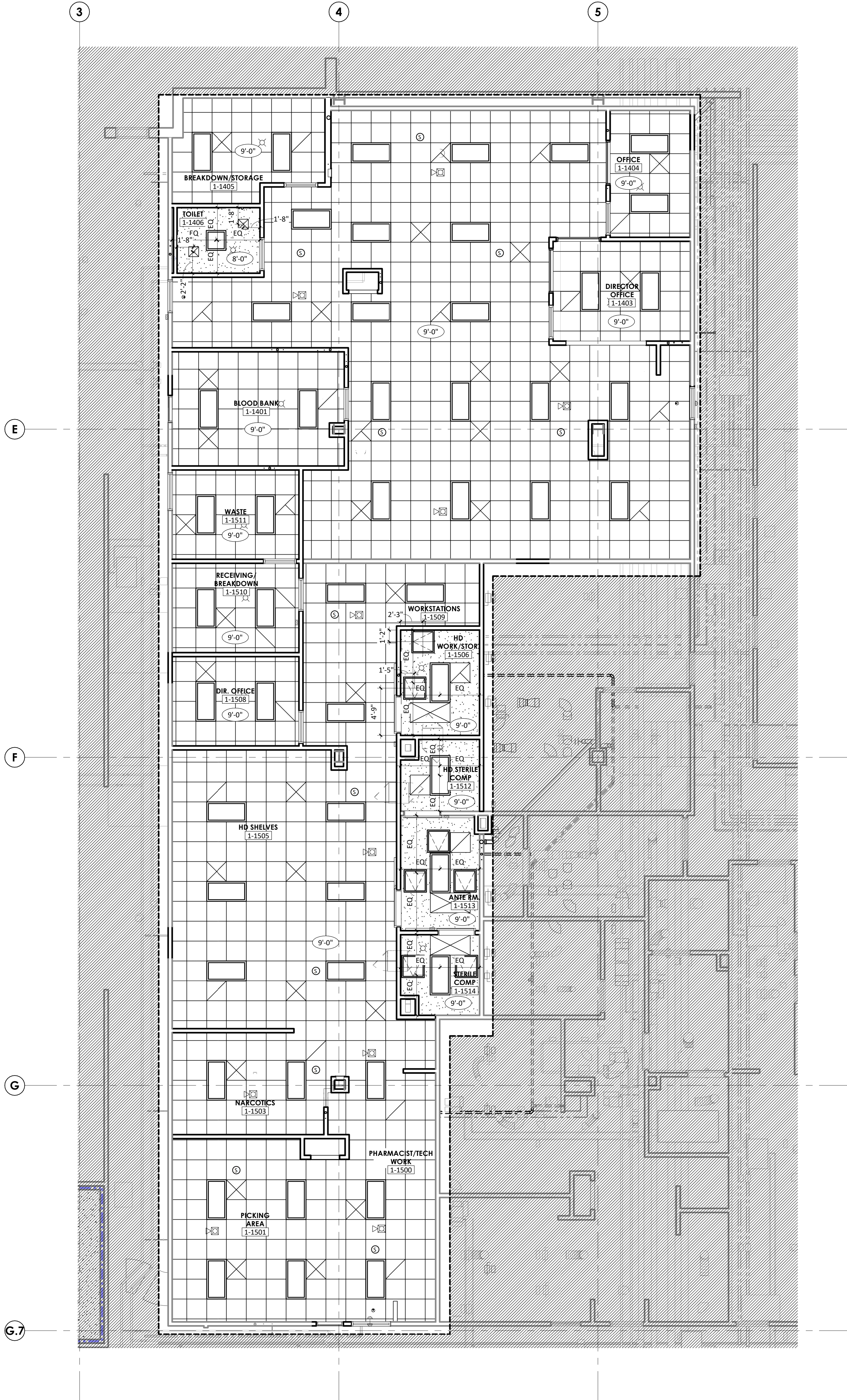
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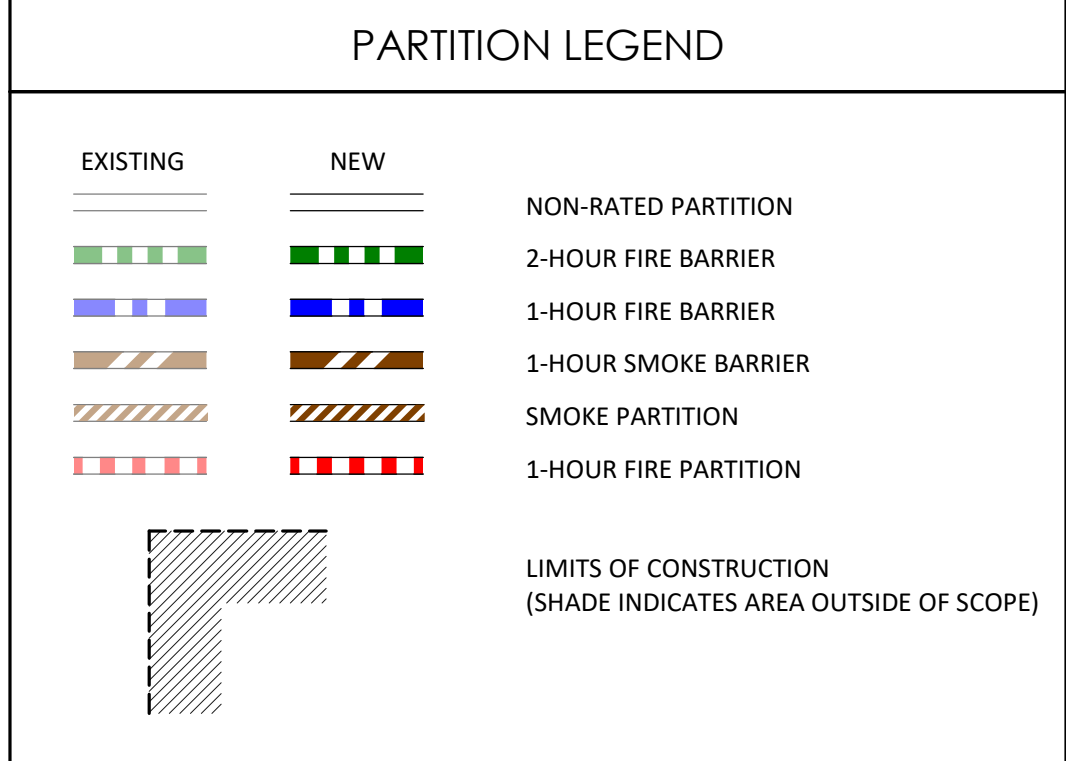
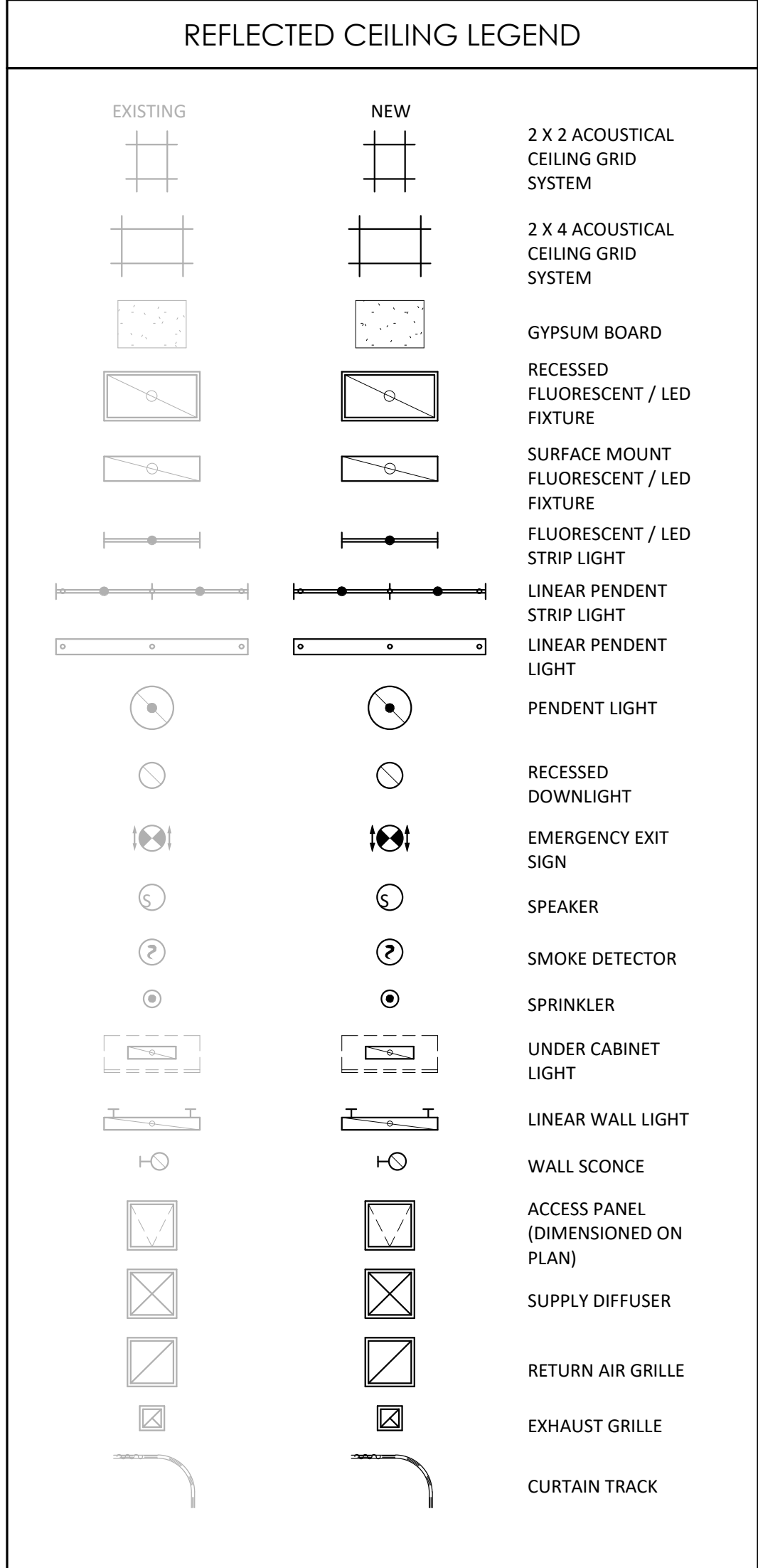
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ANNOTATION FLOOR PLAN -
LEVEL 1 - SECTOR B - LAB &
PHARMACY

AE131B

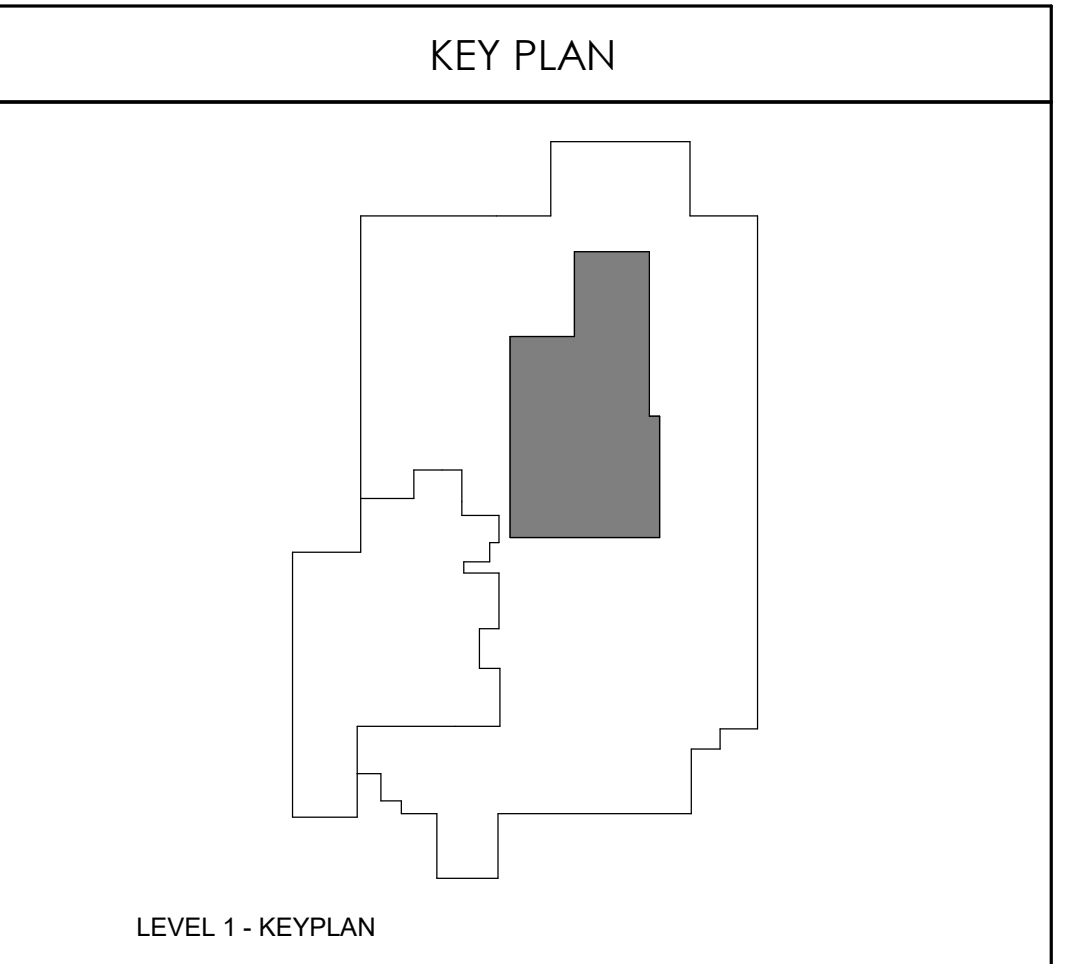


- ### REFLECTED CEILING GENERAL NOTES
1. CEILING HEIGHTS 9'-0" AFF UNLESS NOTED OTHERWISE. ALL SOFFIT HEIGHTS 8'-0" AFF UNLESS NOTED OTHERWISE.
 2. CENTER CEILING SYSTEMS IN ROOMS UNLESS NOTED OTHERWISE.
 3. CENTER SPRINKLER HEADS, SPEAKERS, RECESSED LIGHTS, AND SMOKE OR THERMAL DETECTORS IN CEILING TILE UNLESS NOTED OTHERWISE.
 4. EXTEND SOFFIT GYPSUM BOARD TO 6" ABOVE FINISHED CEILING.
 5. IF SPECIFIED HEIGHT OF FINISHED CEILING NEEDS TO BE LOWERED DUE TO CONDITIONS FOUND DURING CONSTRUCTION OR DEMOLITION, CONTACT ARCHITECT IMMEDIATELY.
 6. PROVIDE ACCESS PANELS AS NECESSARY FOR VALVES AND DAMPERS IN GYPSUM BOARD CEILINGS.
 7. ALL SOFFIT FACES SHALL RECIEVE SAME PAINT COLOR. SEE PLAN FOR COLOR ASSIGNMENTS



KEYNOTE LEGEND

KEY	NOTE



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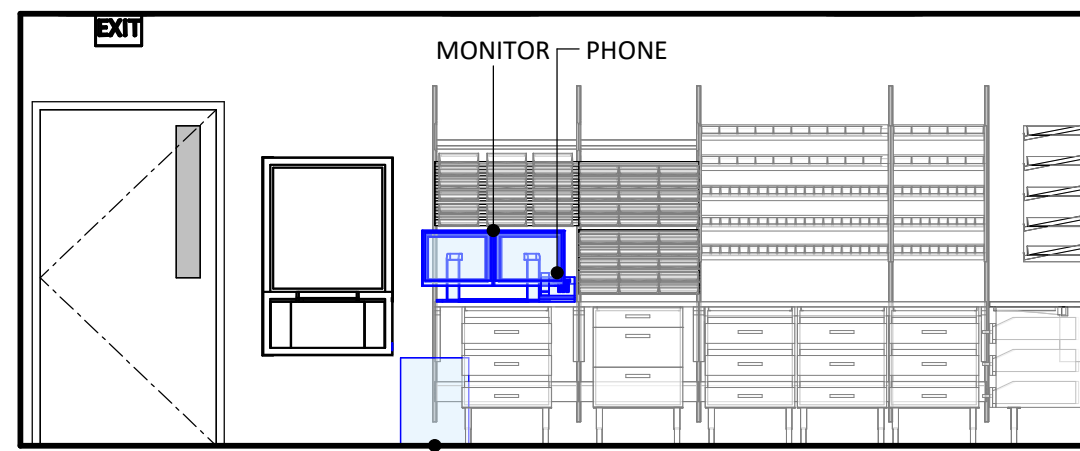
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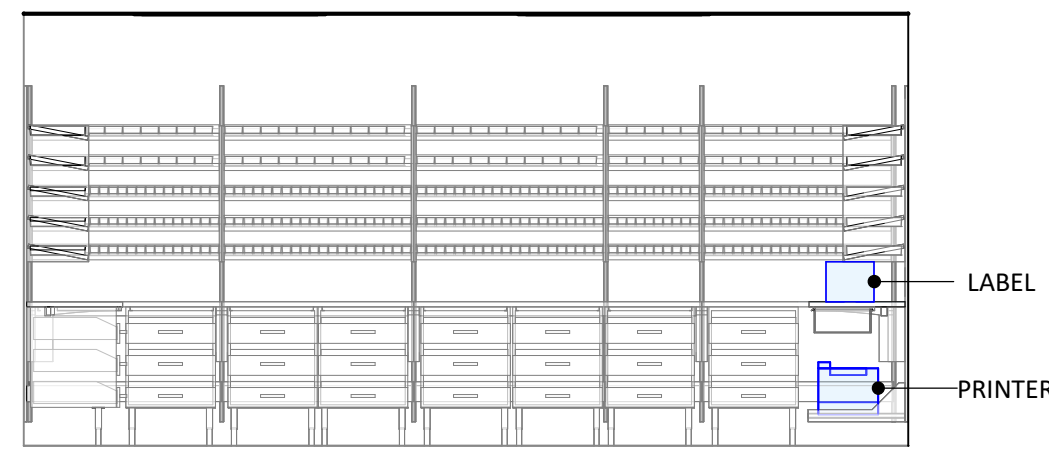
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SCALE: 3/16" = 1'-0"
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REFLECTED CEILING PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY

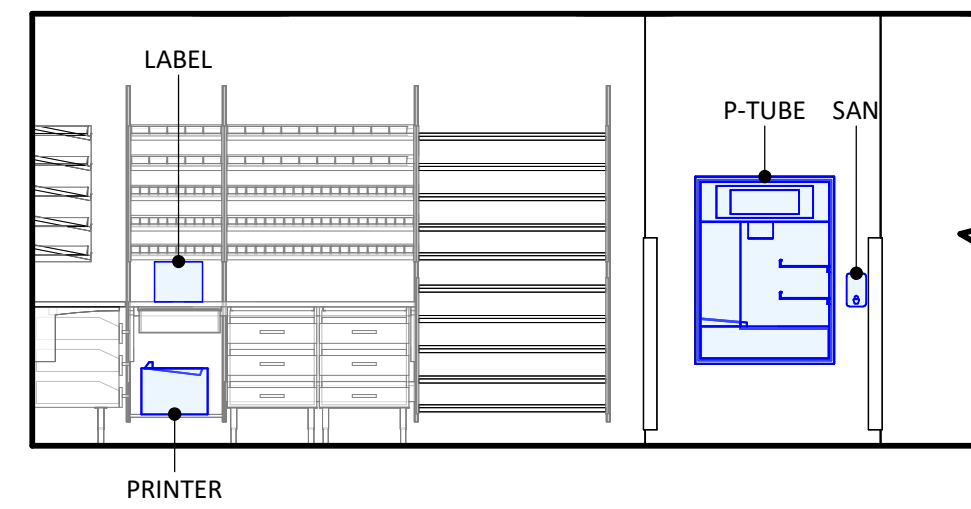
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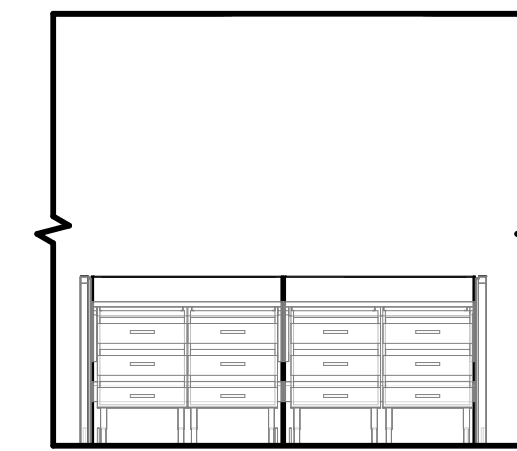
1 PICKING AREA - A
1/4" = 1'-0"



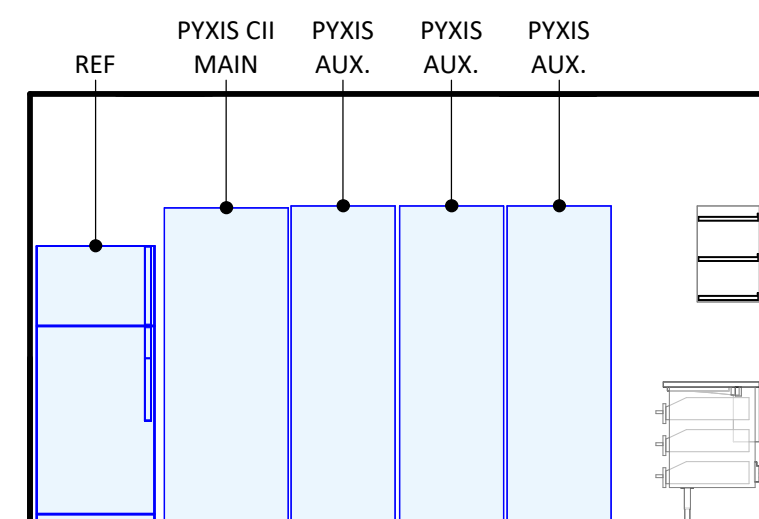
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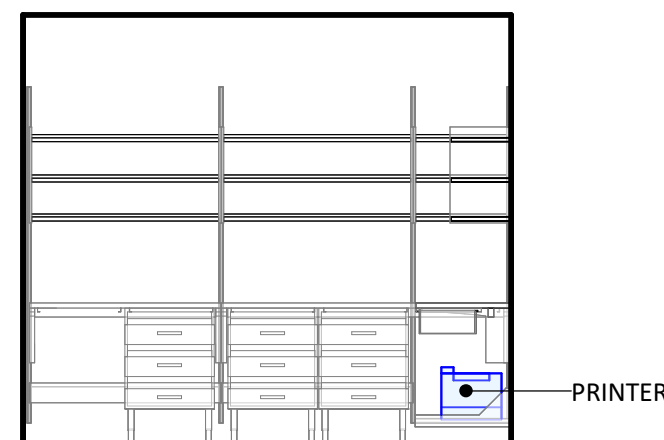
3 PICKING AREA - C
1/4" = 1'-0"



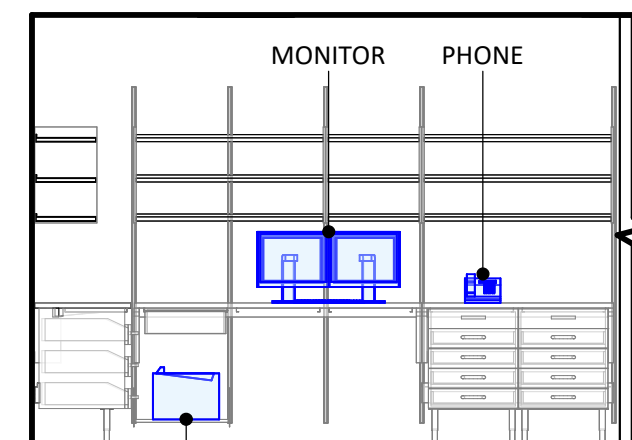
4 PICKING AREA - D
1/4" = 1'-0"



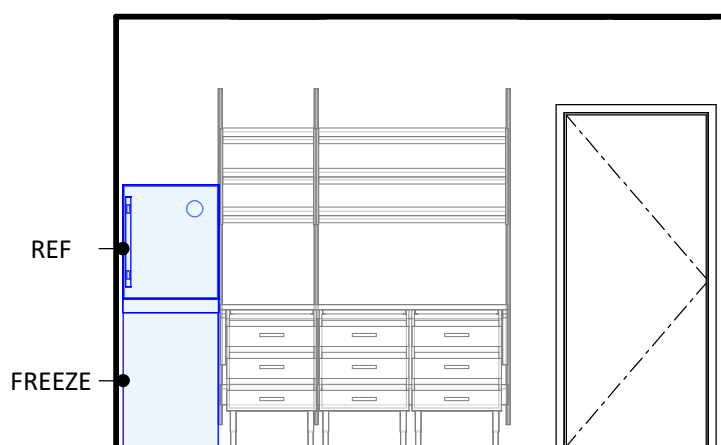
5 NARCOTICS - A
1/4" = 1'-0"



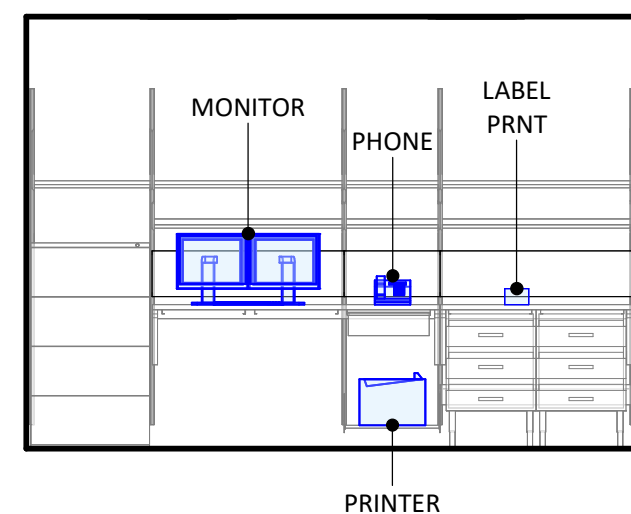
6 NARCOTICS - B
1/4" = 1'-0"



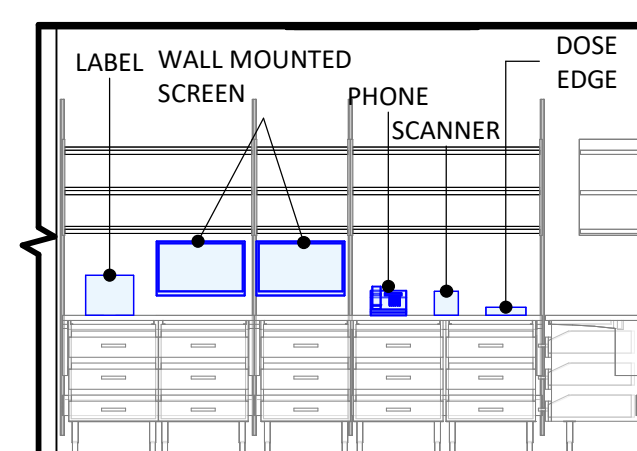
7 NARCOTICS - C
1/4" = 1'-0"



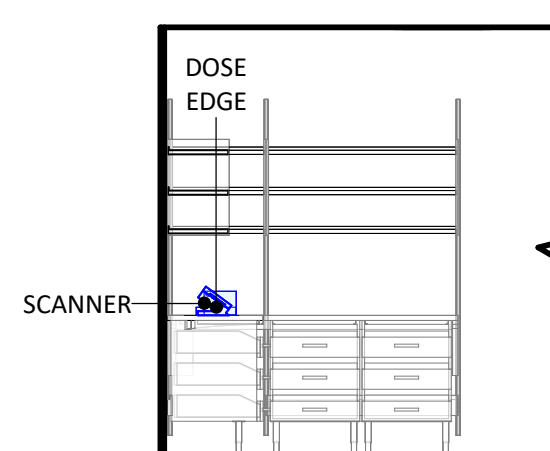
8 RECEIVING/BREAKDOWN A
1/4" = 1'-0"



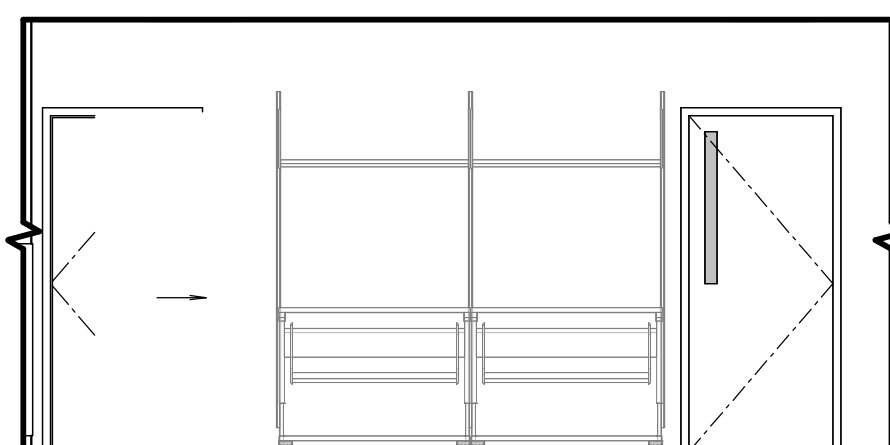
9 RECEIVING/BREAKDOWN B
1/4" = 1'-0"



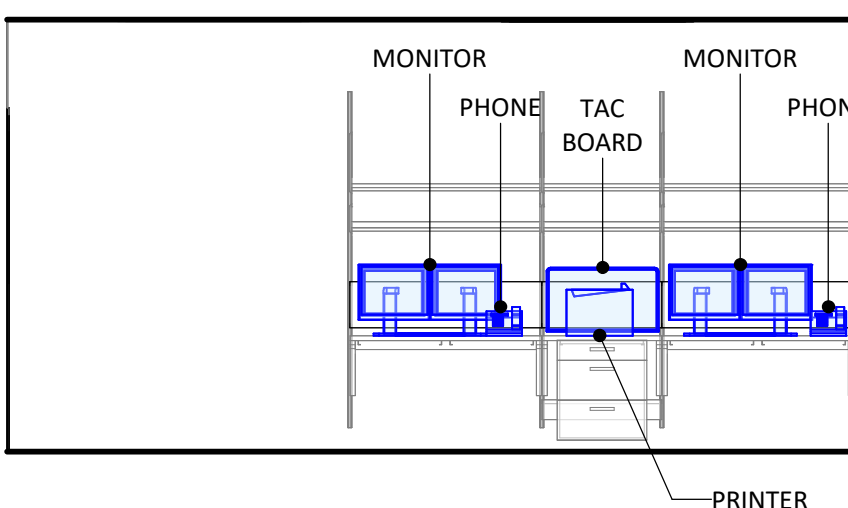
10 IVY PREP - A
1/4" = 1'-0"



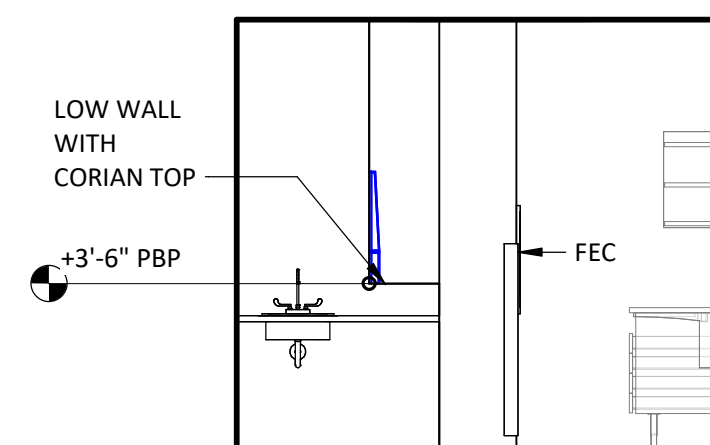
11 IVY PREP - B
1/4" = 1'-0"



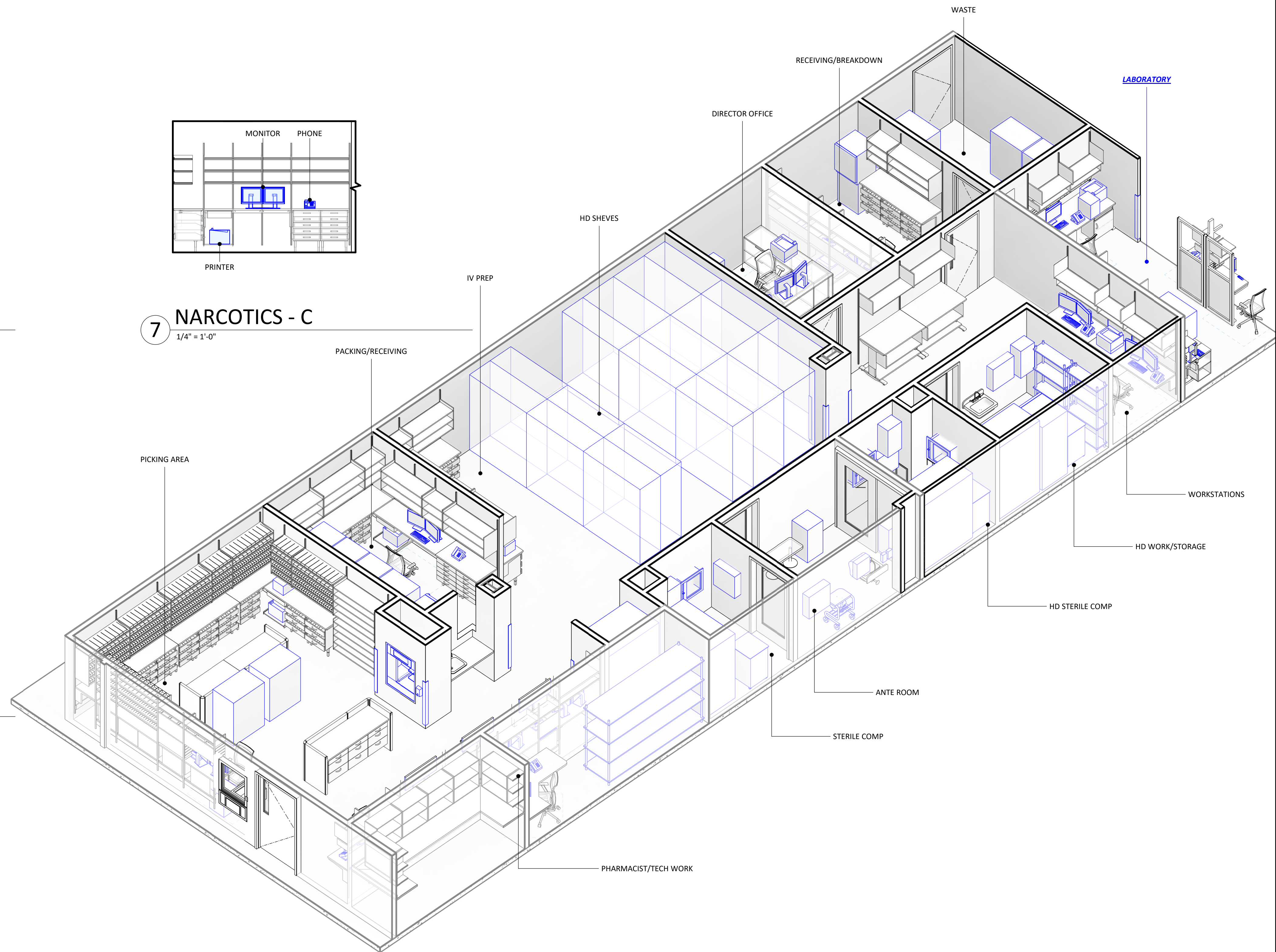
12 SUPPLY STAGING
1/4" = 1'-0"



13 WORKSTATIONS
1/4" = 1'-0"

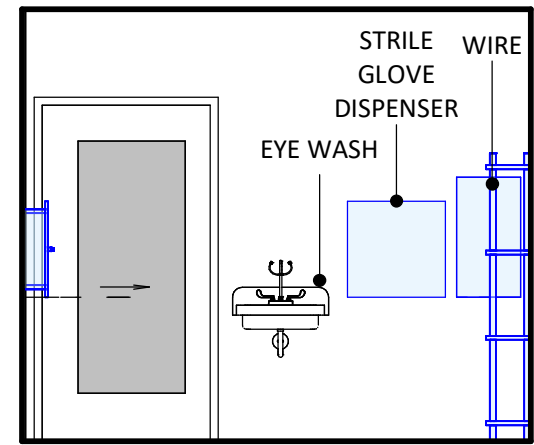


15 PHARMACY
1/4" = 1'-0"

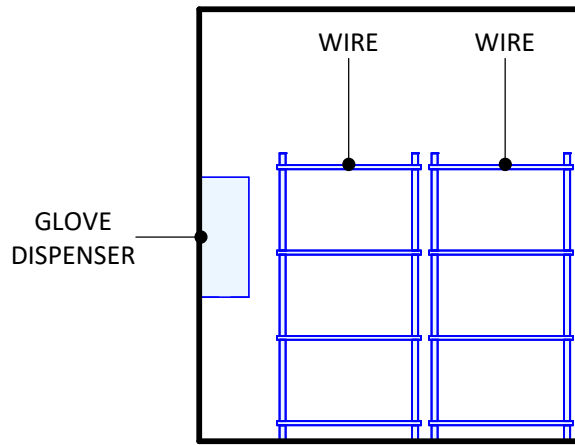


14 AXO - PHARMACY - B

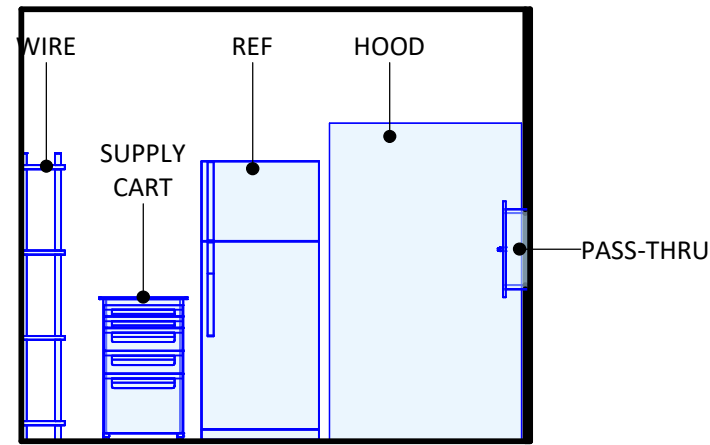
REVISIONS		
REV #	DESCRIPTION	DATE



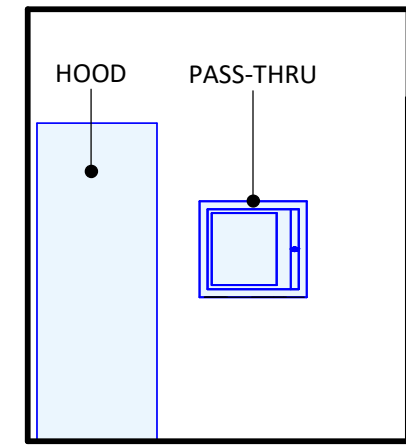
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1/4" = 1'-0"



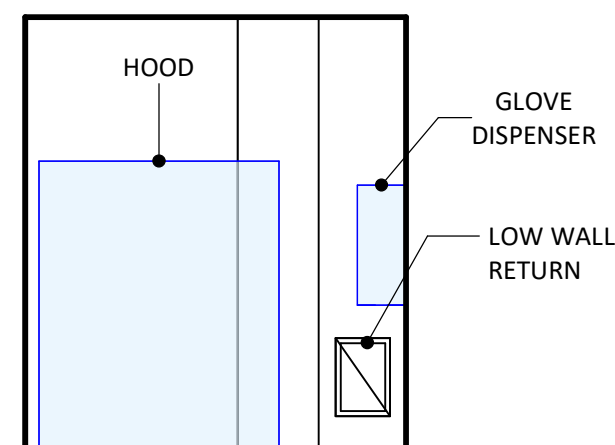
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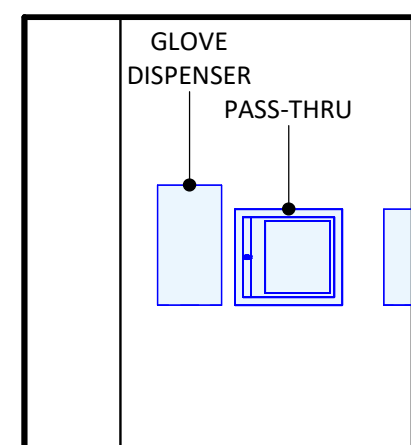
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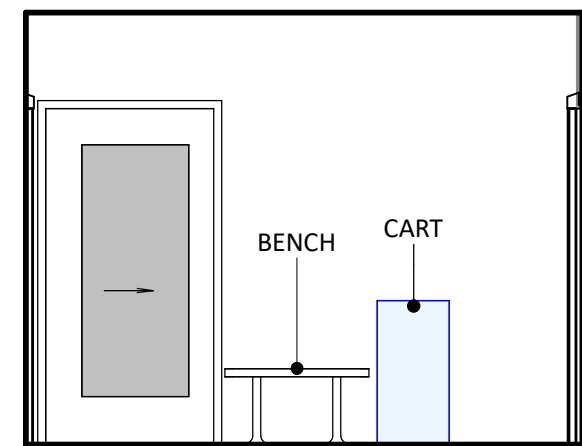
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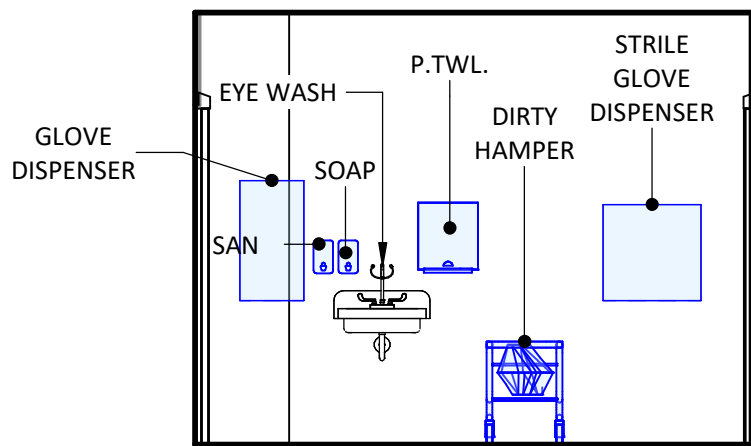
5 STERILE COMP - A
1/4" = 1'-0"



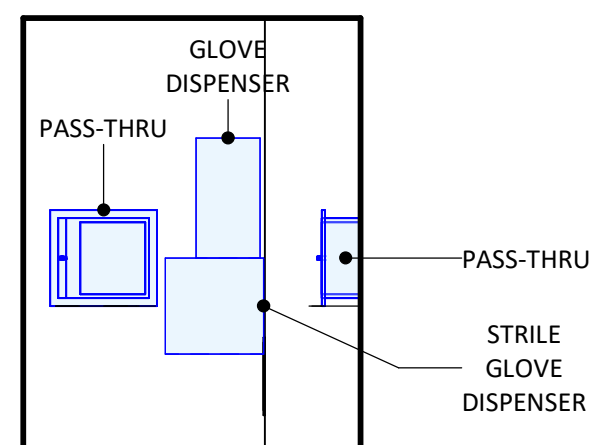
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1/4" = 1'-0"



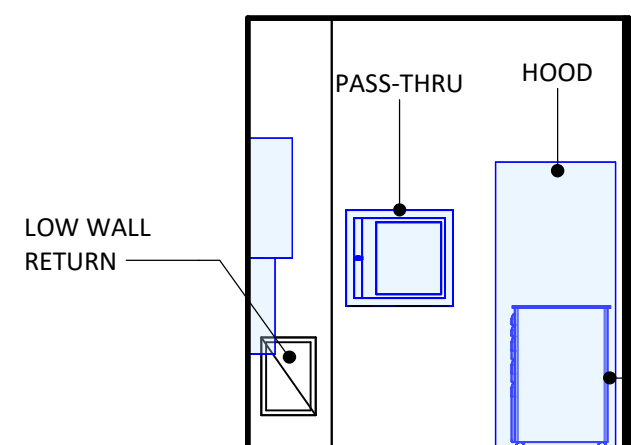
7 ANTE ROOM - A
1/4" = 1'-0"



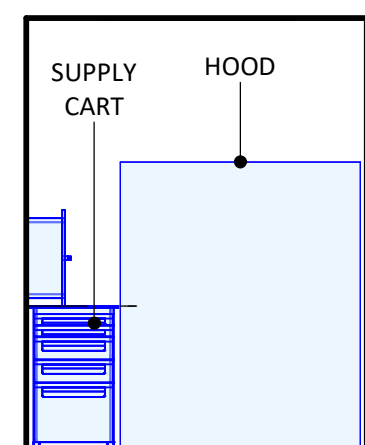
8 ANTE ROOM - B
1/4" = 1'-0"



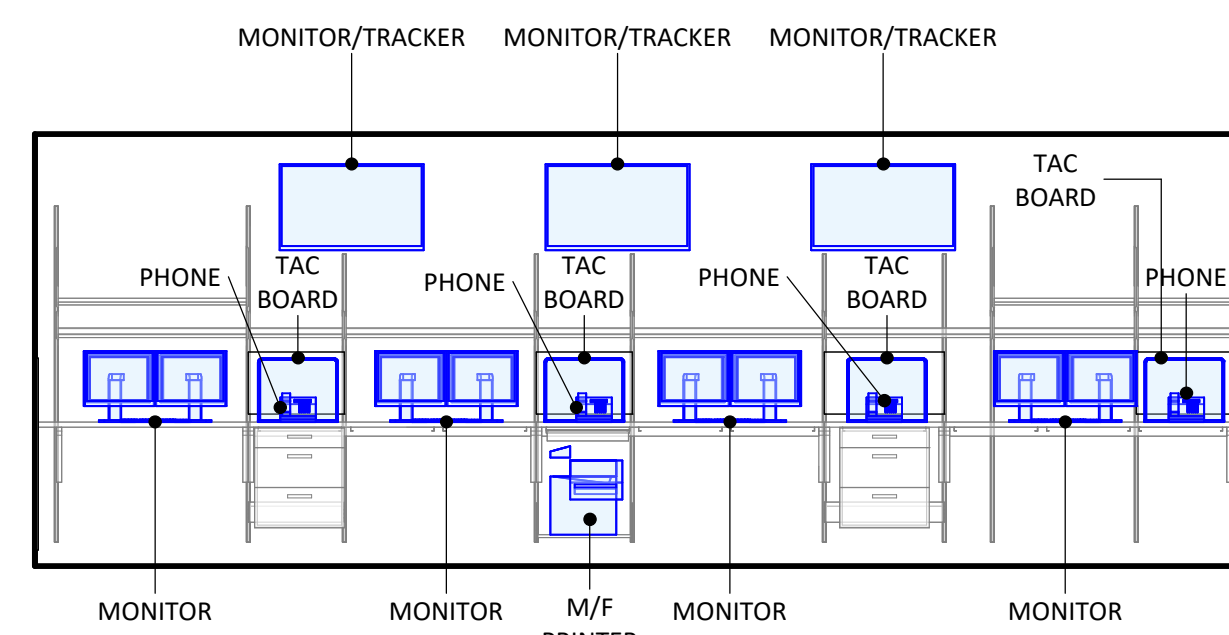
9 HD STERILE COMP - A
1/4" = 1'-0"



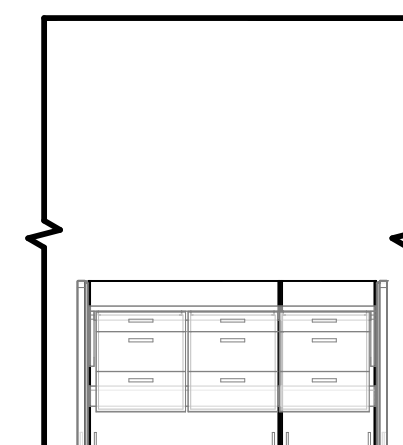
10 HD STERILE COMP - B
1/4" = 1'-0"



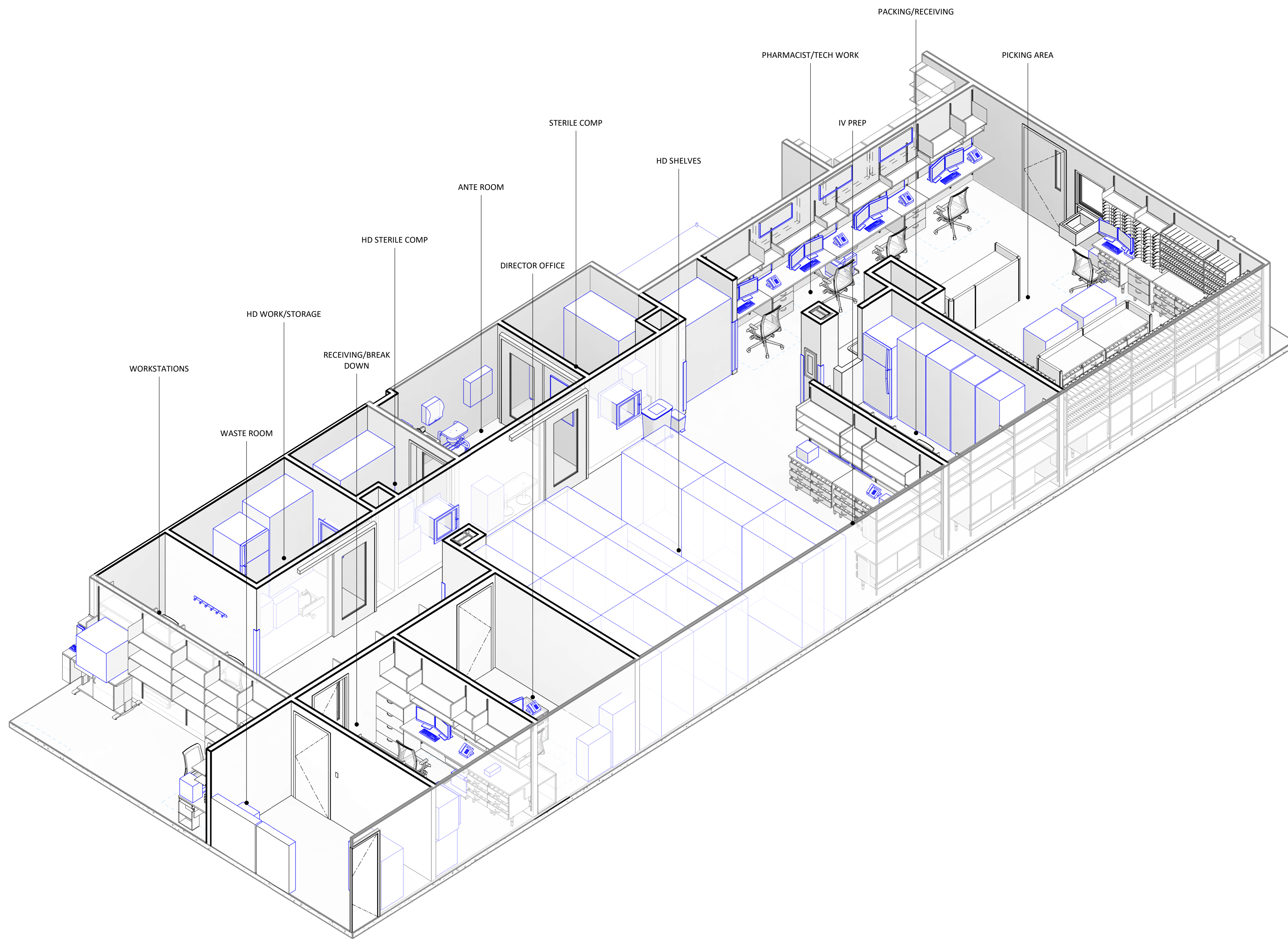
11 HD STERILE COMP - C
1/4" = 1'-0"



12 PHARMACIST/TECH WORK - A
1/4" = 1'-0"



13 PICKING AREA - E
1/4" = 1'-0"



14 AXO - PHARMACY - A

Consultant:

Date Signed: 05/23/2025

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT ACT, 17 U.S.C. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CEASATION OF CONSTRUCTION OR BUILDINGS BEING SIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

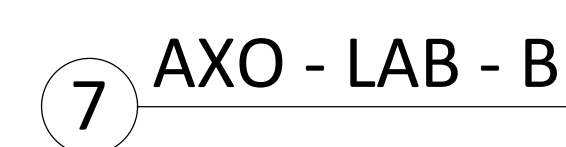
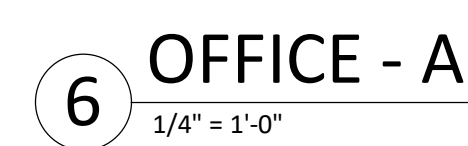
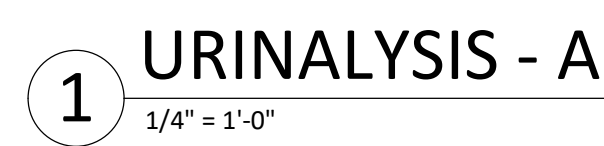
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: 1/4" = 1'-0"
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

INTERIOR ELEVATIONS AND VIEWS - LEVEL 1 - PHARMACY

AE403

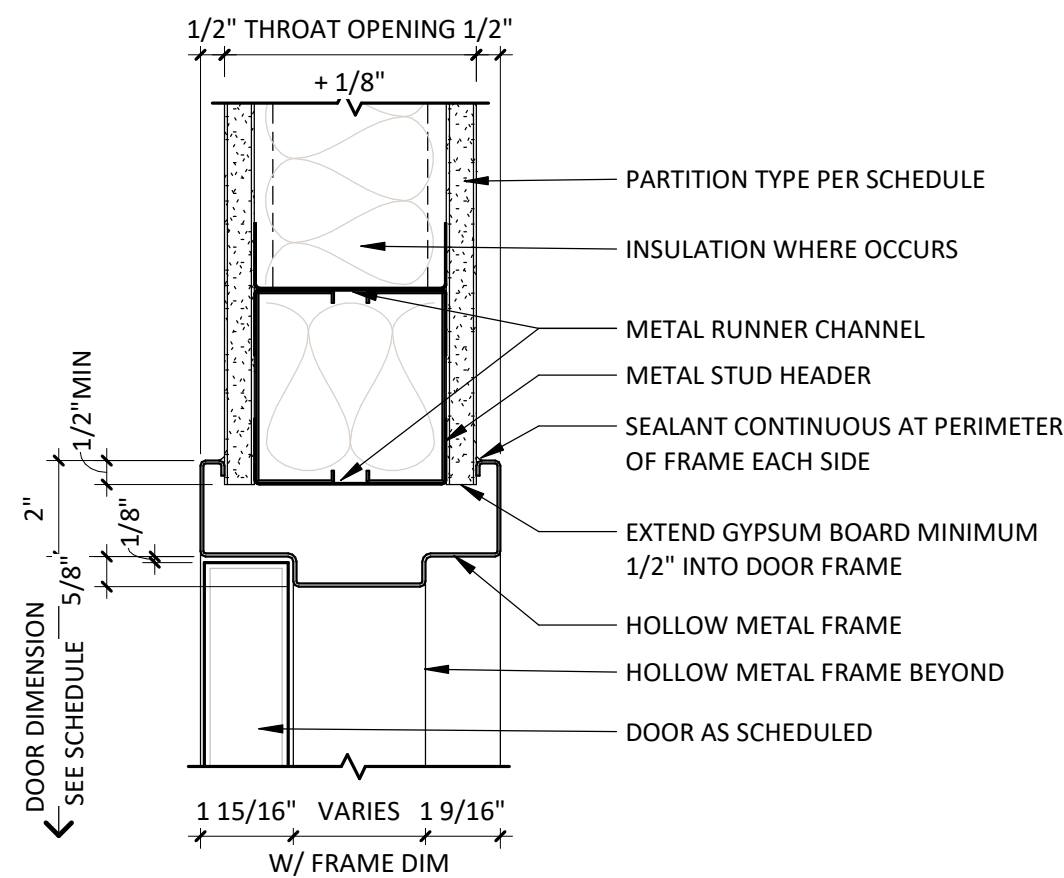
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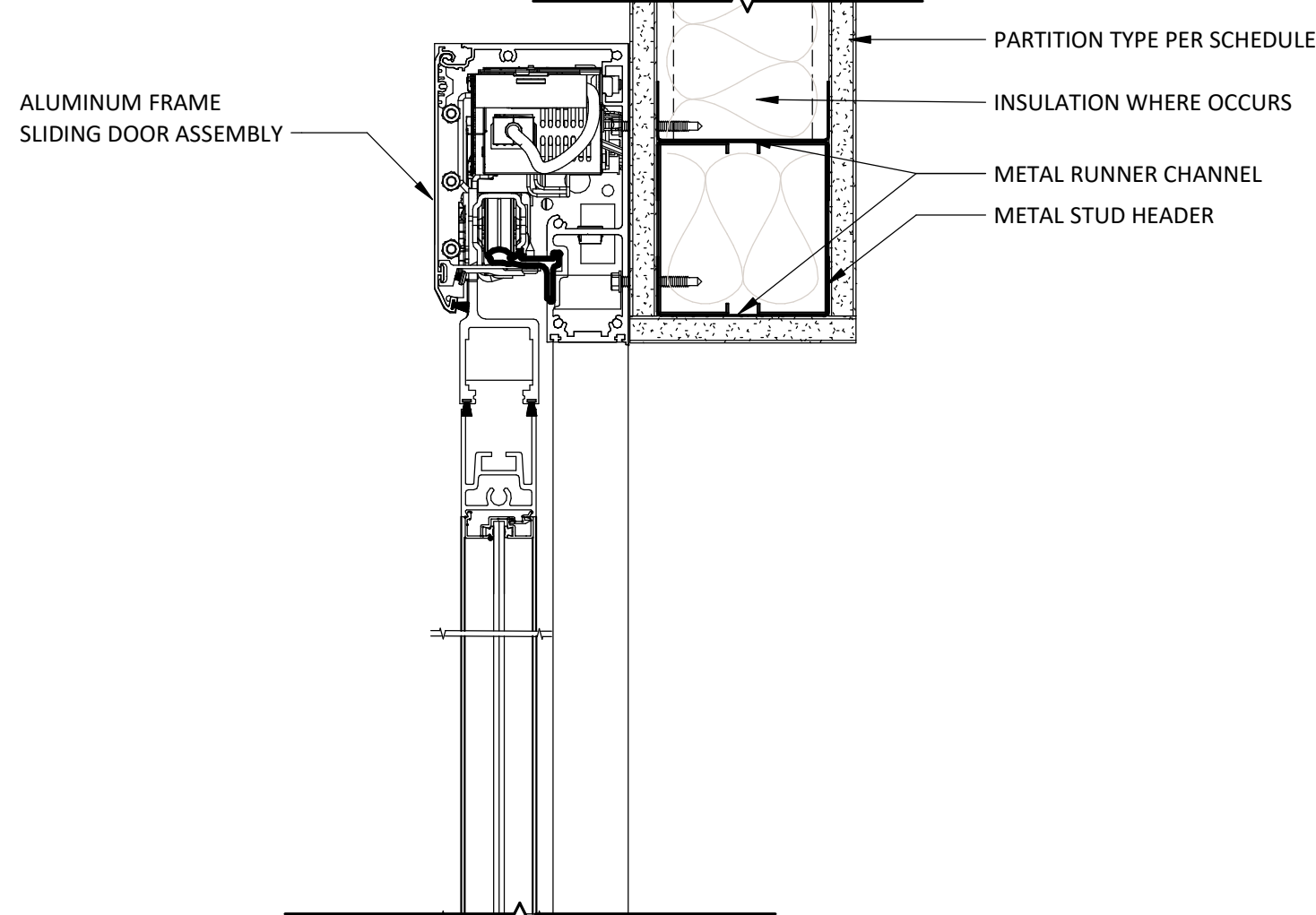
DOOR SCHEDULE					
DOOR MATERIAL		DOOR GLAZING	FRAME MATERIAL	FRAME GLAZING	REMARKS
WD - SOLID CORE WOOD	T - TEMPERED	HM - HOLLOW METAL	T - TEMPERED	1 - CARD READER	
W... - PLASTIC LAMINATE WOOD	L - LAMINATED	AL - ALUMINUM	L - LAMINATED		
W... - IMPACT RESISTANT WOOD	FR - FIRE RESISTIVE	STL - STEEL	FR - FIRE RESISTIVE		
HM - HOLLOW METAL	FP - FIRE PROTECTIVE	EX - EXISTING	FP - FIRE PROTECTIVE		
AL - ALUMINUM	SP - SPANDREL		SP - SPANDREL		
STL - STEEL	IGU - INSULATED GLASS UNIT		IGU - INSULATED GLASS UNIT		
EX - EXISTING	B - BALLISTIC		B - BALLISTIC		

DOOR SCHEDULE													
ID	WIDTH	HEIGHT	DOOR PANEL			FRAME		DETAILS			RATING	HARDWARE	REMARKS
			MATERIAL	ELEV.	GLAZING	MATERIAL	ELEV.	HEAD	JAMB	SILL	FIRE		

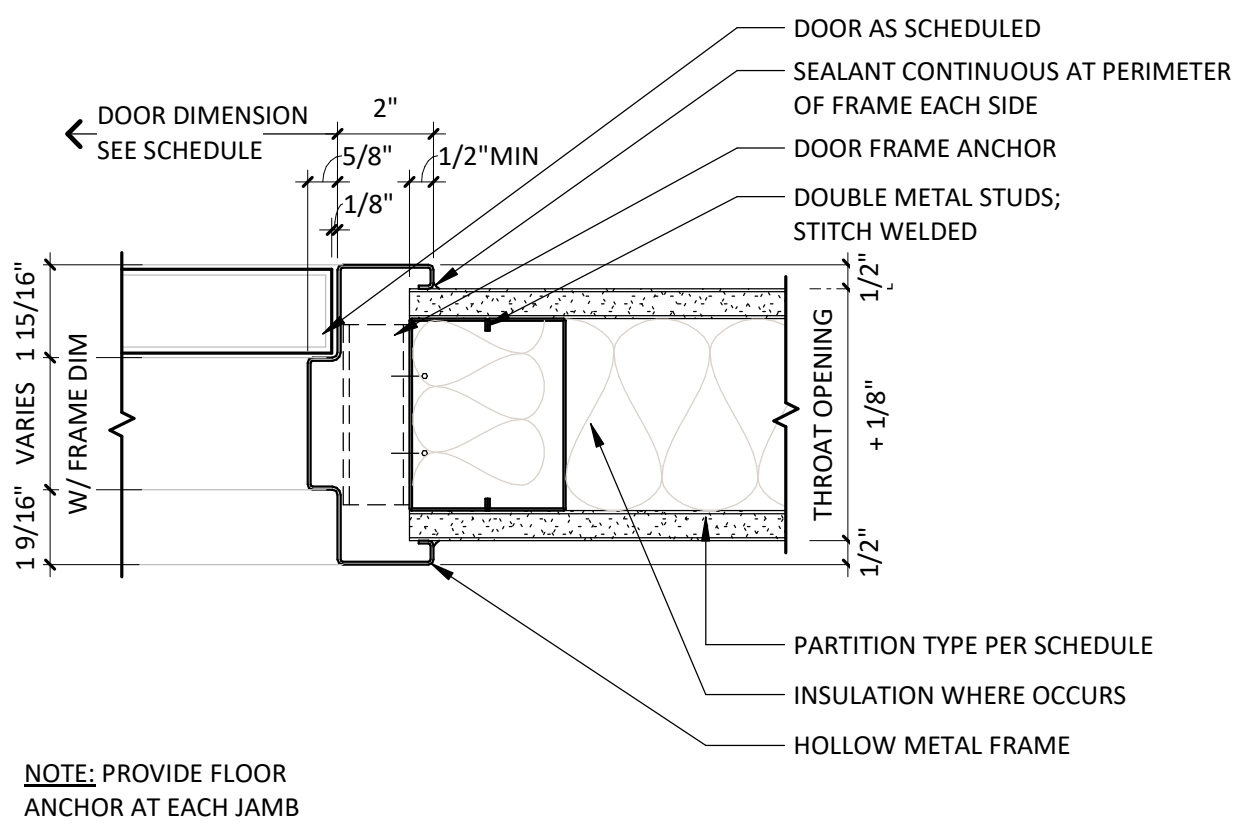
LEVEL 1													
1-1401	3'-0"	7'-0"	WDPL/GL	D		T	HM	1	1/AE601	2/AE601	3/AE601	004B	
1-1402A	3'-0"	7'-0"	WDPL	A			HM	1	1/AE601	2/AE601	3/AE601	009B	1
1-1402B	3'-0"	7'-0"	WDPL	A			HM	1	1/AE601	2/AE601	3/AE601	009A	1
1-1403	3'-0"	7'-0"	WDPL/GL	D	T		HM	1	1/AE601	2/AE601	3/AE601	003A	
1-1404	3'-0"	7'-0"	WDPL/GL	D	T		HM	1	1/AE601	2/AE601	3/AE601	003A	
1-1405	3'-0"	7'-0"	WDPL/GL	D	T		HM	1	1/AE601	2/AE601	3/AE601	008A	
1-1406	3'-0"	7'-0"	WDPL	A			HM	1	1/AE601	2/AE601	3/AE601	005B	
1-1501	3'-8"	7'-0"	WDPL/GL	C	T		HM	1	1/AE601	2/AE601	3/AE601	009G	1
1-1506	3'-6"	7'-0"	AL/GL	E		T	AL	4	4/AE601	5/AE601	6/AE601	110C	
1-1508	3'-0"	7'-0"	WDPL	A			HM	1	1/AE601	2/AE601	3/AE601	003A	
1-1510A	3'-0"	7'-0"	WDPL	A			HM	1	1/AE601	2/AE601	3/AE601	009G	1
1-1510B	3'-0"	7'-0"	WDPL	B		T	HM	1	1/AE601	2/AE601	3/AE601	009G	
1-1511	3'-6"	7'-0"	WDPL	A			HM	1	1/AE601	2/AE601	3/AE601	009B	1
1-1512	3'-6"	7'-0"	AL/GL	E		T	AL	4	4/AE601	5/AE601	6/AE601	110C	
1-1513	3'-6"	7'-0"	AL/GL	E		T	AL	4	4/AE601	5/AE601	6/AE601	110C	
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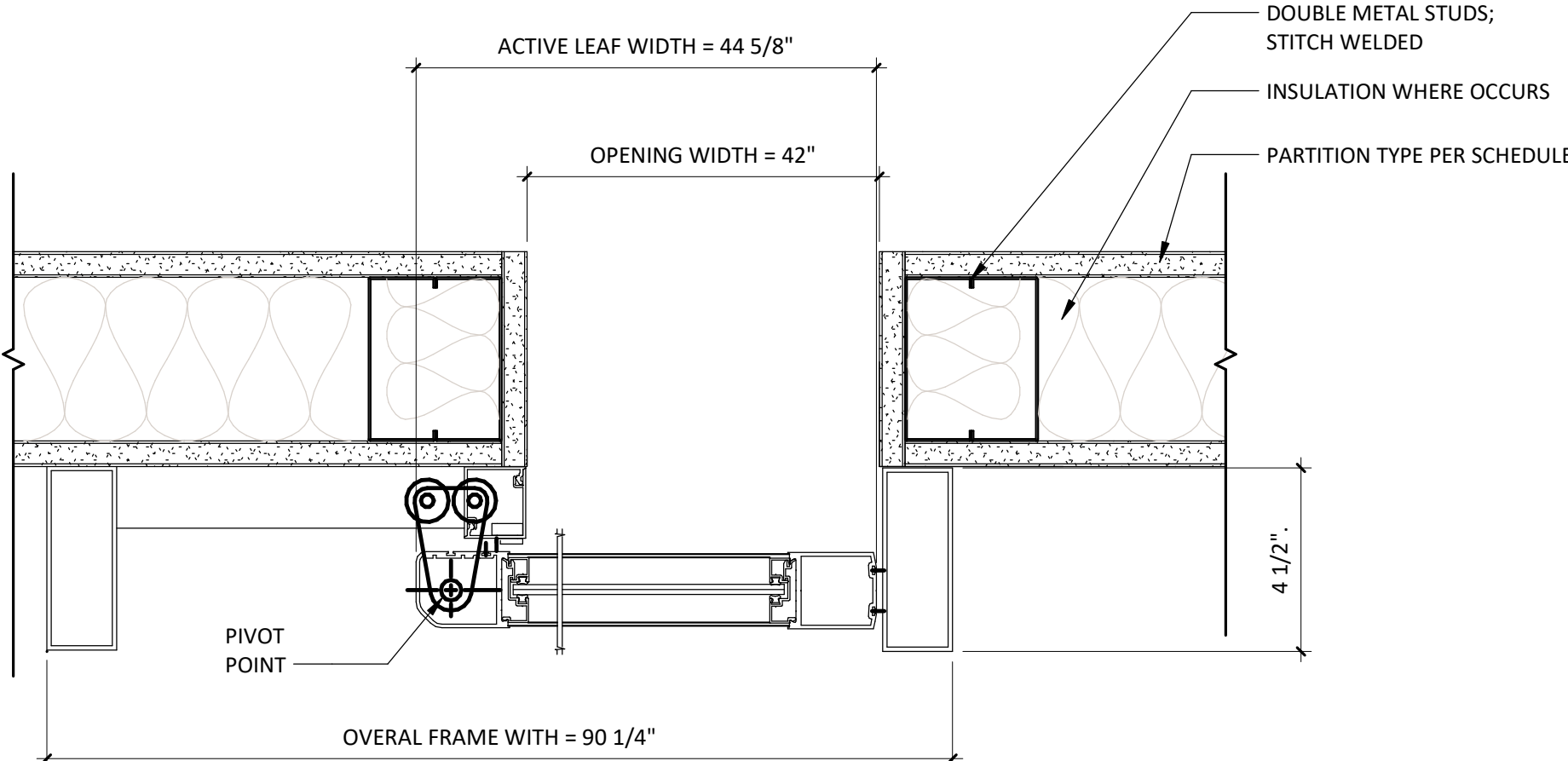
1 HEAD AT HOLLOW METAL FRAME
3" = 1'-0"



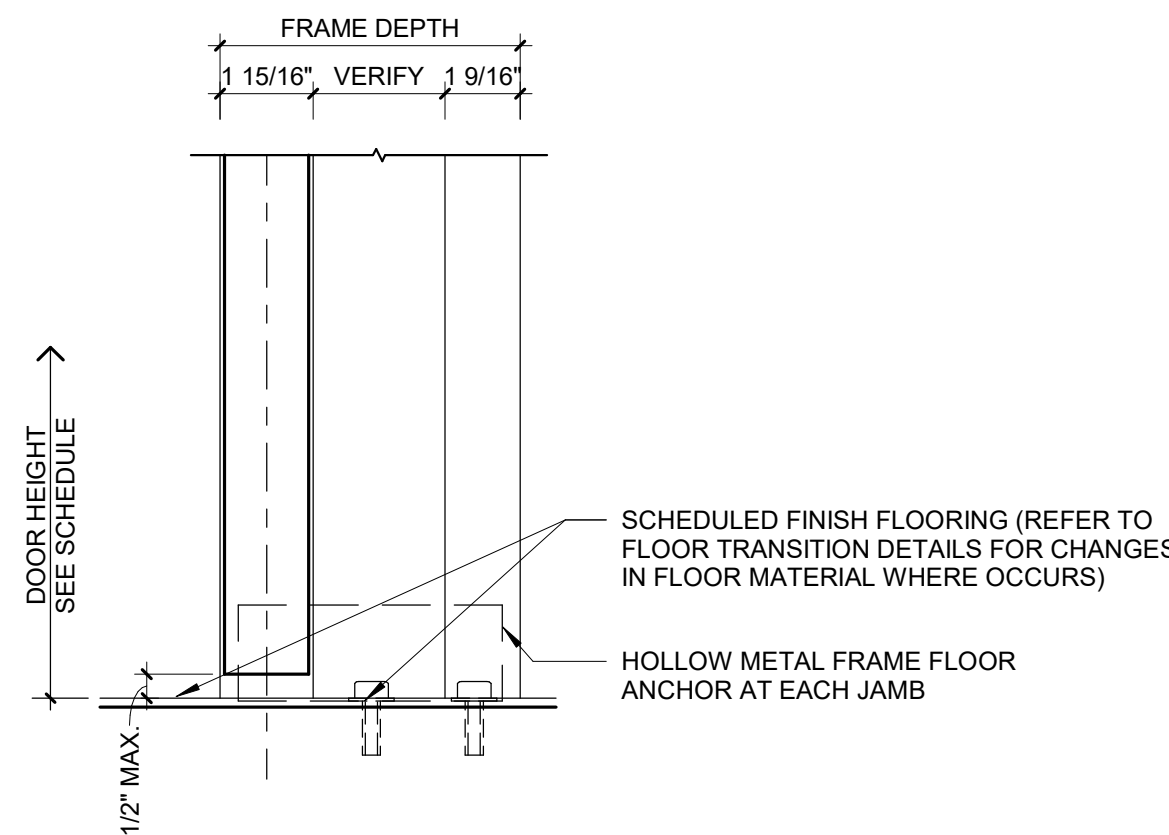
2 HEAD AT AUTO-SLIDING DOOR
3" = 1'-0"



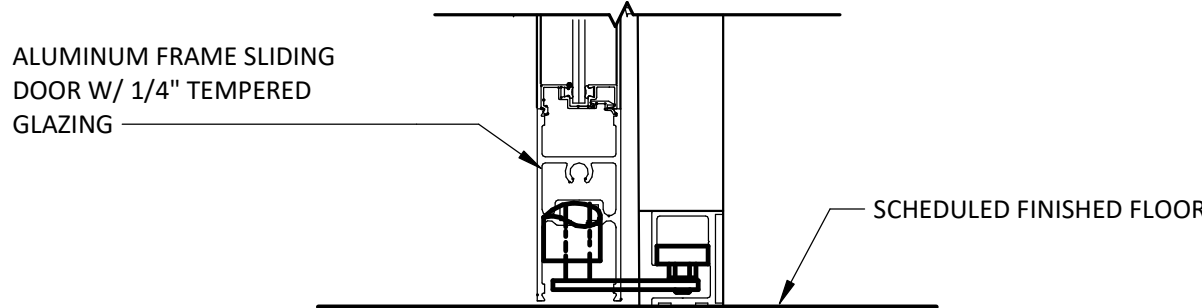
3 JAMB AT HOLLOW METAL FRAME
3" = 1'-0"



4 JAMB AT AUTO-SLIDING DOOR
3" = 1'-0"



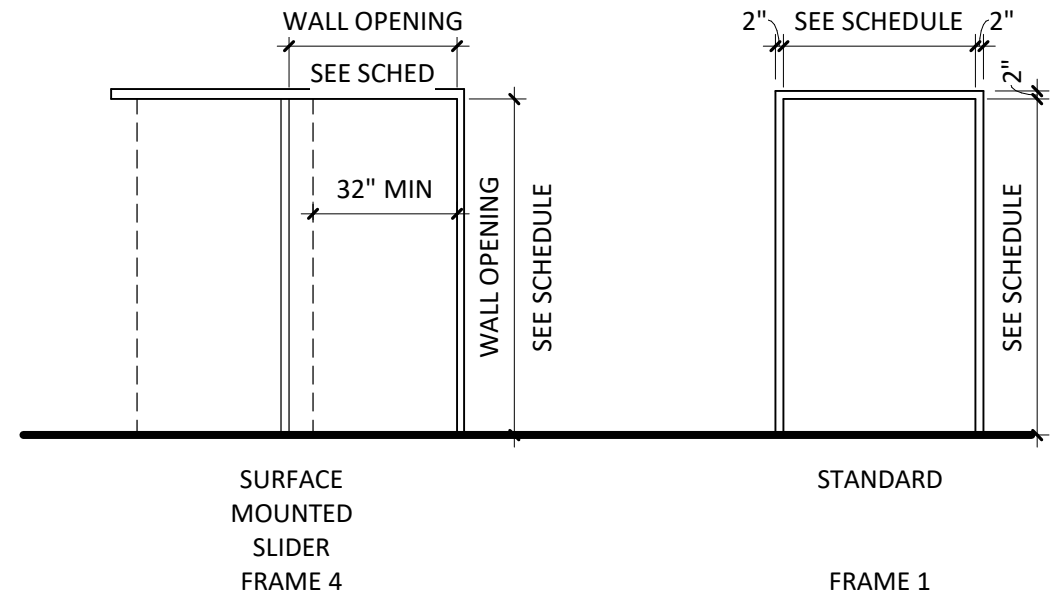
5 SILL AT HOLLOW METAL DOOR
3" = 1'-0"



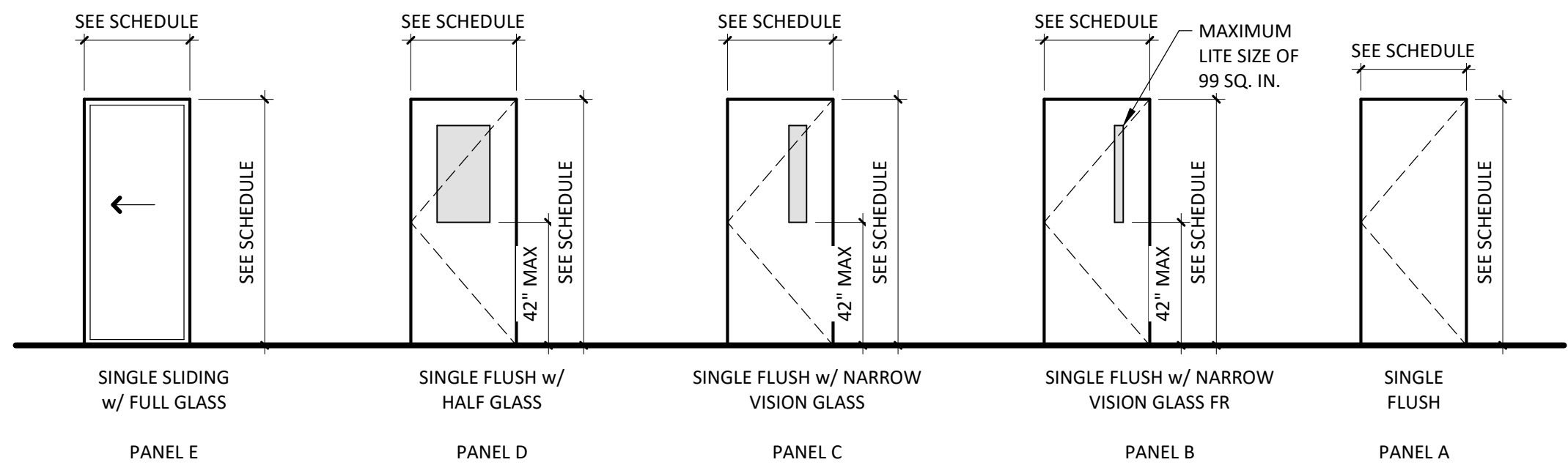
6 SILL AT AUTO SLIDING DOOR
3" = 1'-0"

DOOR GENERAL NOTES

- THE PURPOSE OF THIS SHEET IS TO DESCRIBE AND ILLUSTRATE DOOR TYPES. NOT ALL DOOR TYPES SHOWN ARE NECESSARILY USED. SEE DOOR MARK SCHEDULE FOR DOOR TYPES USED.
- FIRE DOORS AND FRAMES SHALL HAVE AN APPROVED LABEL OR LISTING MARK INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE DONE.
- SMOKE BARRIER DOORS INSTALLED ACROSS THE CORRIDORS AND EXIT ACCESS DOORS LOCATED AT ZONE BOUNDARIES SHALL BE EQUIPPED WITH APPROVED VISION PANELS.
- ALL SMOKE BARRIER DOORS LOCATED ON THE FLOOR OR IN THE AFFECTED ZONE SHALL COMPLY WITH CURRENT APPLICABLE CODES AND SHALL BE AUTOMATIC CLOSING UPON ACTIVATION OF THE FIRE ALARM OR FIRE SPRINKLER SYSTEM.
- ALL DOORS IN SMOKE BARRIERS AND OPENING INTO RATED EXIT WAYS SHALL BEAR AN APPROVED LABEL DISPLAYING THE LETTER "S" PER CURRENT APPLICABLE CODES.
- FIRE ASSEMBLIES REQUIRED TO HAVE 1 1/2 HOURS, 1 HOUR OR 3/4 HOUR FIRE PROTECTION RATING SHALL BE EITHER AUTOMATIC OR SELF CLOSING FIRE ASSEMBLIES. AUTOMATIC CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTUATING DEVICES INSTALLED ON EACH SIDE OF THE WALL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
- GLASS:
 - INTERIOR DOORS:
 - NON-RATED DOORS SHALL HAVE 1/4" CLEAR TEMPERED GLASS.
 - ALL RATED DOORS - SEE SPECIFICATIONS.
 - LEAD LINED DOORS SHALL HAVE LEAD GLASS.
- GLAZING IN THE FOLLOWING LISTED AREAS SHALL BE DEEMED TO BE LOCATED IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT:
 - INGRESS AND EGRESS DOORS.
 - FIXED PANELS IN SWINGING DOORS.
 - ALL GLAZING WITHIN 18" OF THE FLOOR AND WITHIN 12" OF A DOOR SHALL BE TEMPERED.
- EACH LITE OF THE GLAZING SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF GLASS. WHEN APPROVED BY THE AGENCY, LABELS MAY BE OMITTED FROM OTHER THAN GLAZING MATERIALS, PROVIDED AN AFFIDAVIT IS FURNISHED BY THE GLAZING CONTRACTOR CERTIFYING THAT EACH LIGHT IS GLAZED IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. IDENTIFICATION OF GLAZING IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT SHALL BE ETCHED OR CERAMIC FIRED ON THE GLASS AND READABLE FROM THE INSIDE OF THE BUILDING AFTER INSTALLATION.
- EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- PANIC HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF CURRENT APPLICABLE CODES. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 30 INCHES NOR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL.
- DOOR ASSEMBLIES, APPROACHES AND FINISH HARDWARE SHALL BE IN COMPLIANCE WITH ACCESSIBILITY STANDARDS.
- THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:
 - EXTERIOR DOORS 5.0 POUNDS
 - INTERIOR DOORS 5.0 POUNDS
 - FIRE DOORS 15.0 POUNDS
- WATER CLOSET ROOMS SHALL BE SEPARATED FROM FOOD PREPARATION AND STORAGE AREAS WITH TIGHT FITTING DOORS.
- DOOR OPENING LOCATIONS:
 - IMMEDIATELY (5") ADJACENT TO A FLANKING WALL UNLESS NOTED OTHERWISE
 - AT THE CENTERLINE OF THE ROOM, UNLESS NOTED OTHERWISE
 - CENTERED ON A GRID DOOR OPENINGS IN OTHER LOCATIONS ARE LOCATED BY DIMENSIONS
- SEE SPECIFICATIONS FOR HARDWARE SCHEDULE
- ALL DOOR FRAMES ARE WELDED FRAMES, UNLESS NOTED OTHERWISE.
- FINISH FLOOR TRANSITIONS OCCUR AT CENTERLINE OF DOORS, UNLESS NOTED OTHERWISE
- ALL INTERIOR DOORS WITH FIRE RATINGS GREATER THAN 20 MINUTE SHALL HAVE A NON-COMBUSTIBLE SILL WITH AN UNDERCUT OF 3/8" MAXIMUM ABOVE THE SILL.
- WEIGHT OF LEAD-LINED DOORS, LEAD STRIPS IN DOOR FRAMES AND LEAD GLAZING WHERE OCCURS SHALL MATCH WEIGHT OF LEAD IN ADJACENT PARTITION, UNLESS NOTED OTHERWISE. LEAD LINING SHALL BE INSTALLED SUCH THAT SHIELDING IS CONTINUOUS IN INSTALLED DOORWAY.
- ALL EXTERIOR DOORS SHALL HAVE METAL THRESHOLDS. SEE HARDWARE SCHEDULE.
- WHERE DOOR HOLD-OPEN DEVICES OR DOOR STOPS OCCUR AT WALLS, PROVIDE BACKING PLATE PER BACKING PLATE SCHEDULE
- ALL SOLID CORE WOOD DOORS TO BE STAIN GRADE, UNLESS NOTED OTHERWISE (SEE DOOR SCHEDULE).
- DOORS WITH AUTO DOOR OPENINGS SHALL MEET REQUIREMENTS IN CURRENT APPLICABLE CODES.
- THRESHOLDS AT DOORWAYS AND TRANSITION STRIPS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.



FRAME ELEVATIONS

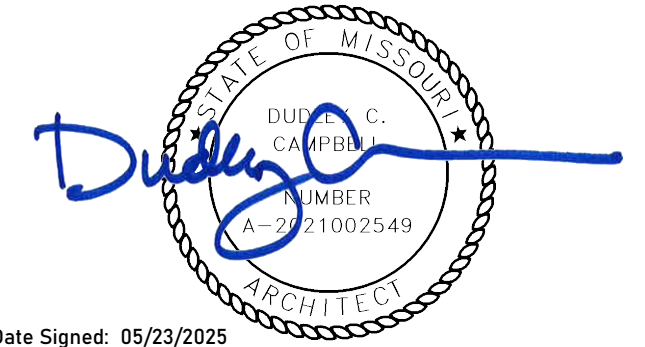


DOOR PANEL ELEVATIONS



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Consultant:



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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

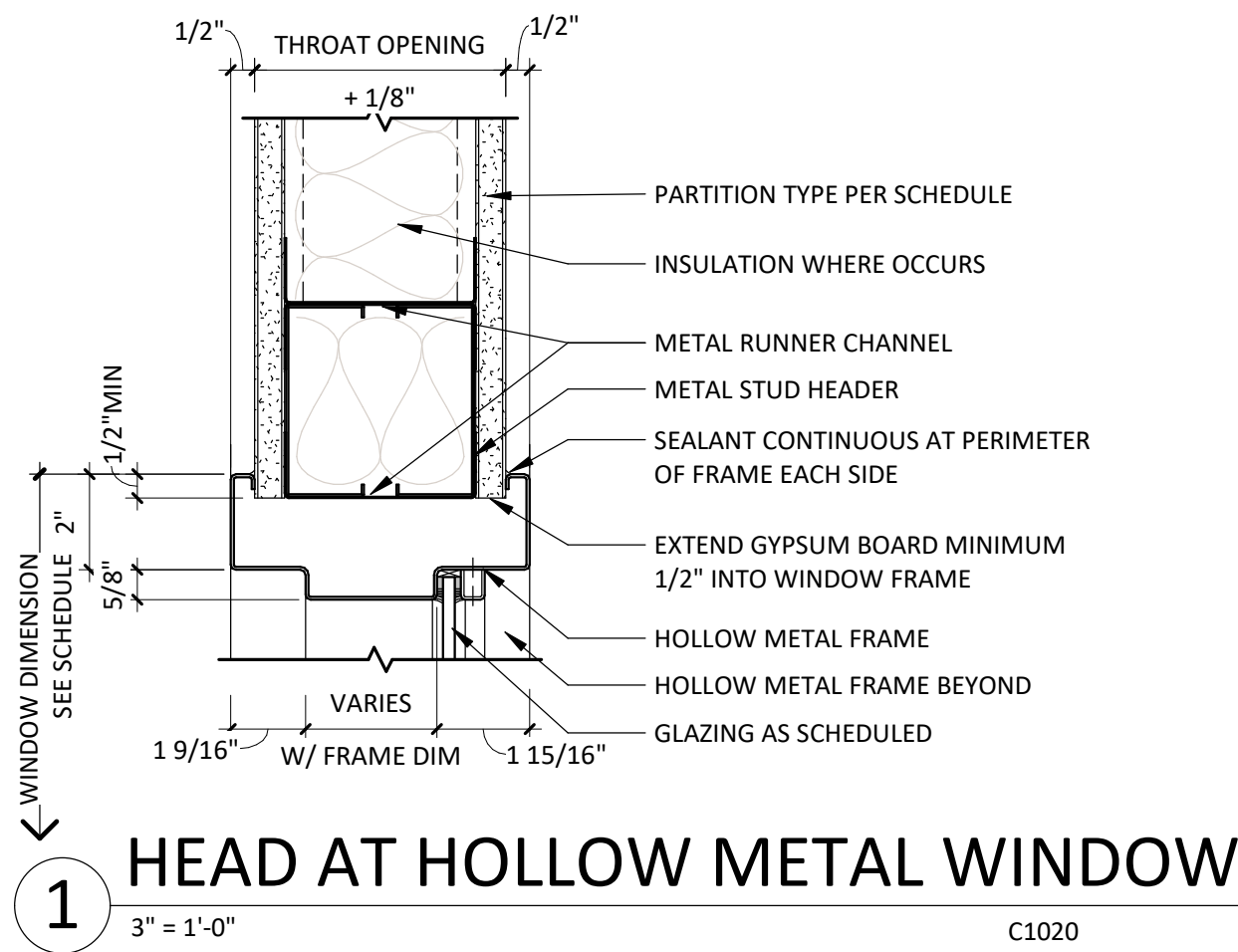
REVISIONS

REV #	DESCRIPTION	DATE
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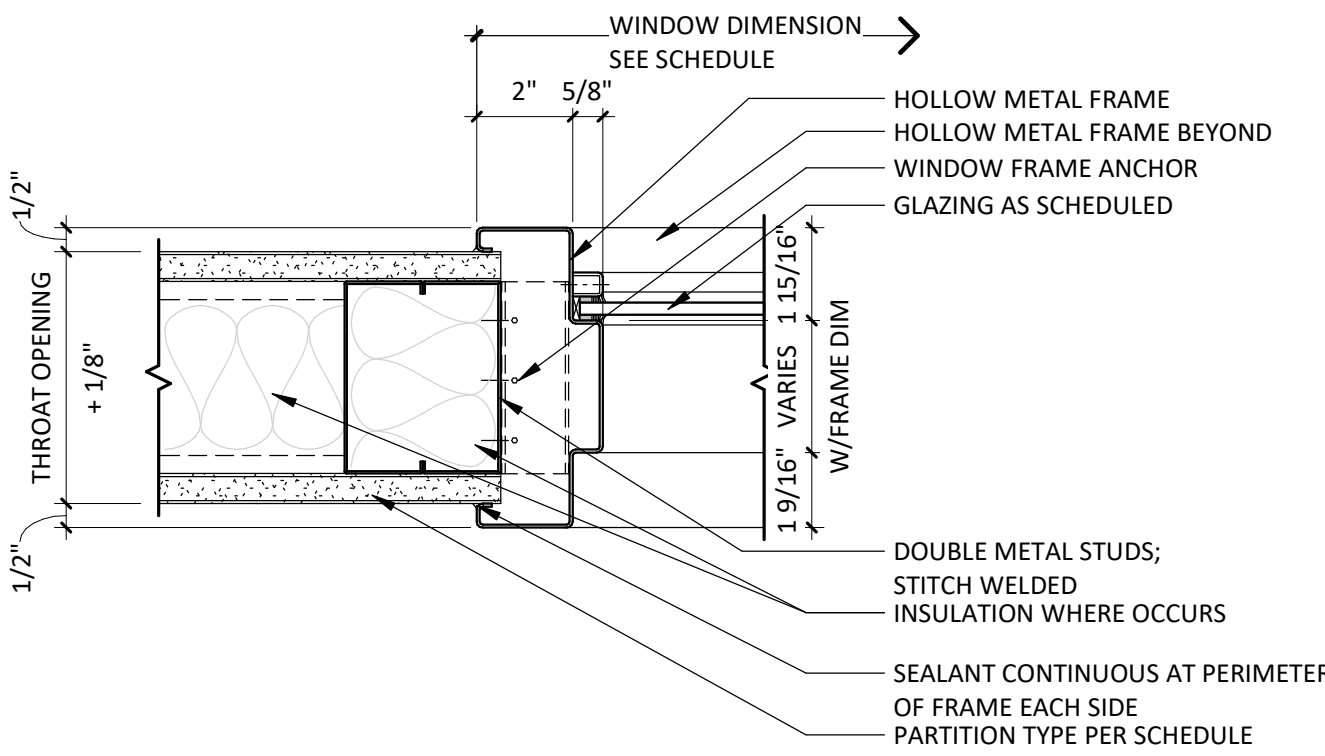
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SCALE: As indicated
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

DOOR SCHEDULES & DETAILS

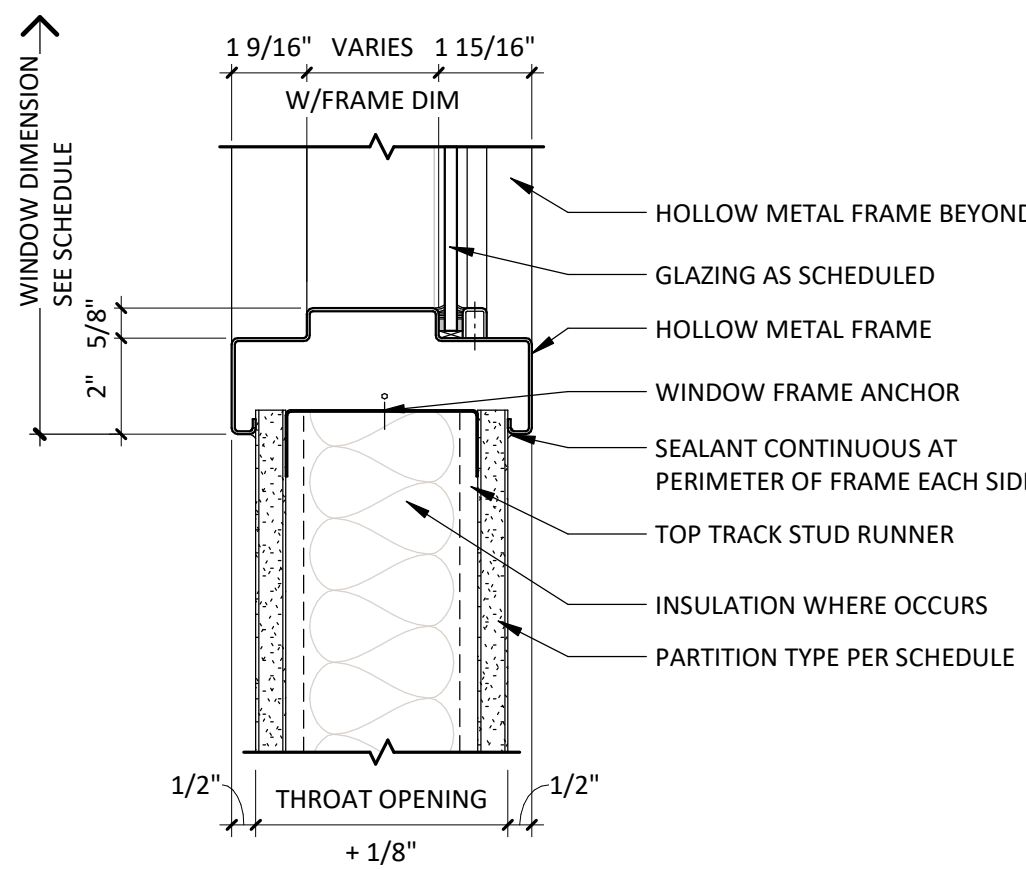
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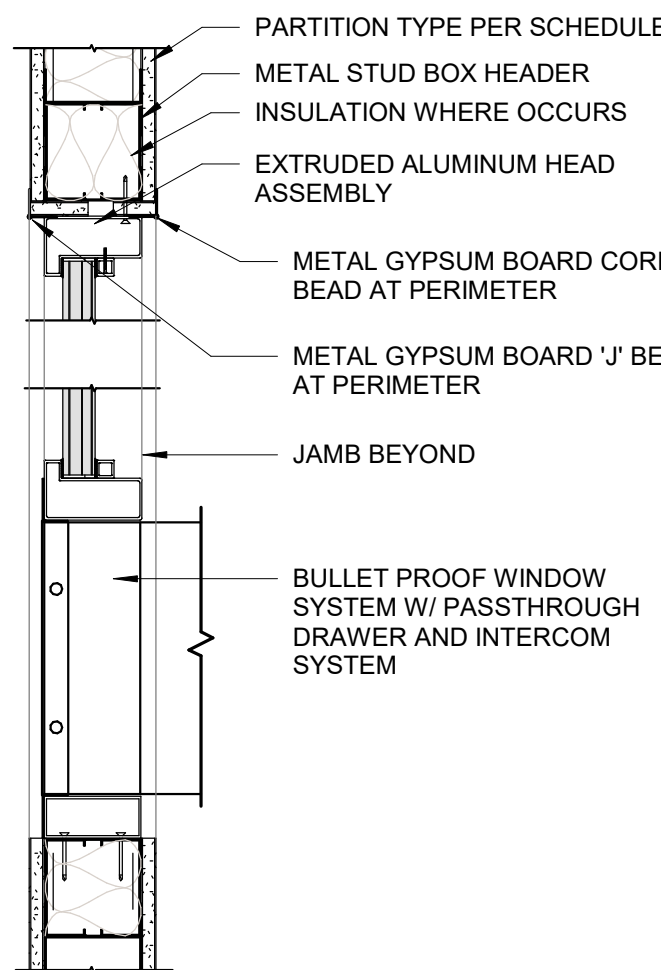
1 HEAD AT HOLLOW METAL WINDOW
3' = 1'-0"



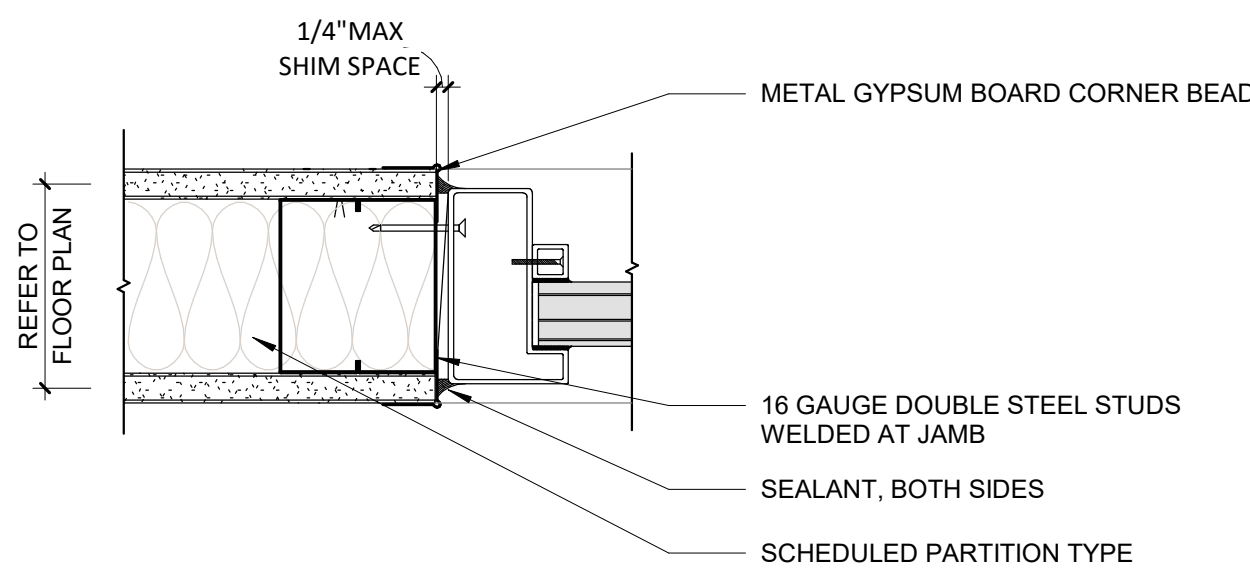
2 JAMB AT HOLLOW METAL WINDOW
3' = 1'-0"



3 SILL AT HOLLOW METAL WINDOW
3' = 1'-0"



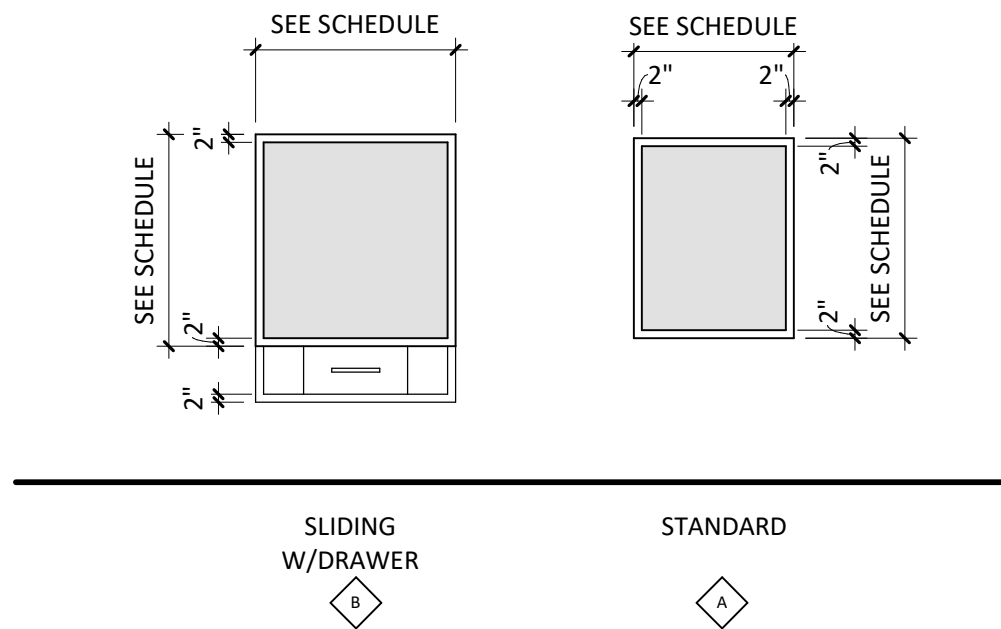
4 HEAD & SILL AT PASSTHROUGH WINDOW
1 1/2' = 1'-0"



5 JAMB AT PASSTHROUGH WINDOW
3' = 1'-0"

WINDOW SCHEDULE		
FRAME MATERIAL	GLAZING	REMARKS
HM - HOLLOW METAL AL - ALUMINUM STL - STEEL E - EXISTING	T - TEMPERED L - LAMINATED FR - FIRE RESISTIVE FP - FIRE PROTECTIVE SP - SPANDREL IGU - INSULATED GLASS UNIT B - BALLISTIC	1 - LEAD-LINED

Window Schedule									
ID	WIDTH	HEIGHT	MATERIAL		DETAILS			RATINGS	
			GLAZING	FRAME	HEAD	JAMB	SILL	FIRE	STC
A	4'-6"	5'-0"	T	HM	1/AE651	2/AE651	3/AE651		
A1	8'-0"	4'-0"	T	HM	1/AE651	2/AE651	3/AE651		
B	2'-8 1/4"	4'-1 1/4"	B	HM	4/AE651	5/AE651	4/AE651		



WINDOW ELEVATIONS

GLAZING GENERAL NOTES

- THE PURPOSE OF THIS SHEET IS TO DESCRIBE AND ILLUSTRATE WINDOW TYPES, NOT ALL WINDOW TYPES SHOWN ARE NECESSARILY USED. SEE WINDOW SCHEDULE FOR WINDOW TYPES USED.
- IRE RATED WINDOWS, SHALL HAVE AN APPROVED LABEL OR LISTING MARK, INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE ONE.
- GLAZING:
 - INTERIOR
 - NON-RATED DOOR SHALL HAVE 1/2" CLEAR TEMPERED GLASS
 - RATED DOORS SHALL HAVE 3/4" CLEAR FIRE RATED GLASS
 - LEAD LINED DOORS SHALL HAVE LEAD GLASS
 - MAXIMUM GLAZING IN FIRE RATED DOORS:
 - 20 MINUTE DOORS: 1296 SQUARE INCHES MAXIMUM
 - 60 MINUTE DOORS: 100 SQUARE INCHES MAXIMUM
 - 90 MINUTE DOORS: 100 SQUARE INCHES MAXIMUM
- GLAZING IN THE FOLLOWING LISTED AREAS SHALL BE DEEMED TO BE LOCATED IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT:
 - INGRESS AND EGRESS DOORS.
 - FIXED PANELS IN SWINGING DOORS.
 - WITHIN 18" OF THE FLOOR SHALL BE TEMPERED.
 - WITHIN 24" OF A DOOR SHALL BE TEMPERED.
- EACH LITE OF THE GLAZING SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF GLASS. IDENTIFICATION OF GLAZING IN HAZARDOUS LOCATIONS AND SUBJECT TO HUMAN IMPACT SHALL BE ETCHED OR CERAMIC FIRED ON THE GLASS AND READABLE FROM THE INSIDE OF THE BUILDING AFTER INSTALLATION.
- REFER TO SPECIFICATIONS FOR WINDOW COVERING TYPES AND FINISHES.
- REFER TO SPECIFICATIONS FOR GLAZING MATERIALS.

Devenney
GROUP

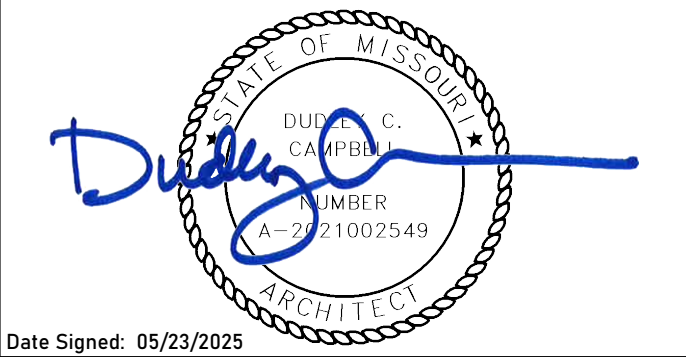
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



Date Signed: 05/23/2025

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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: As indicated
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

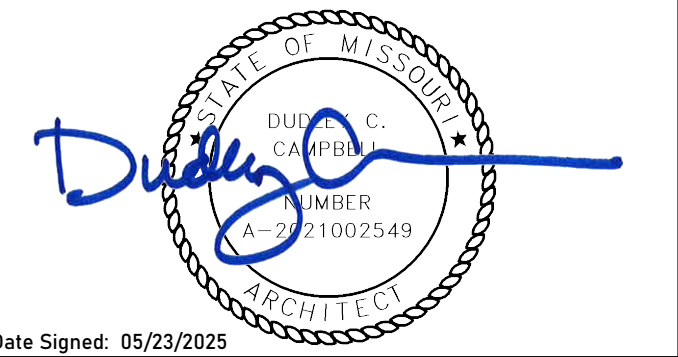
WINDOW SCHEDULES & DETAILS

AE651



Devenney Group Ltd., Architects
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Consultant:



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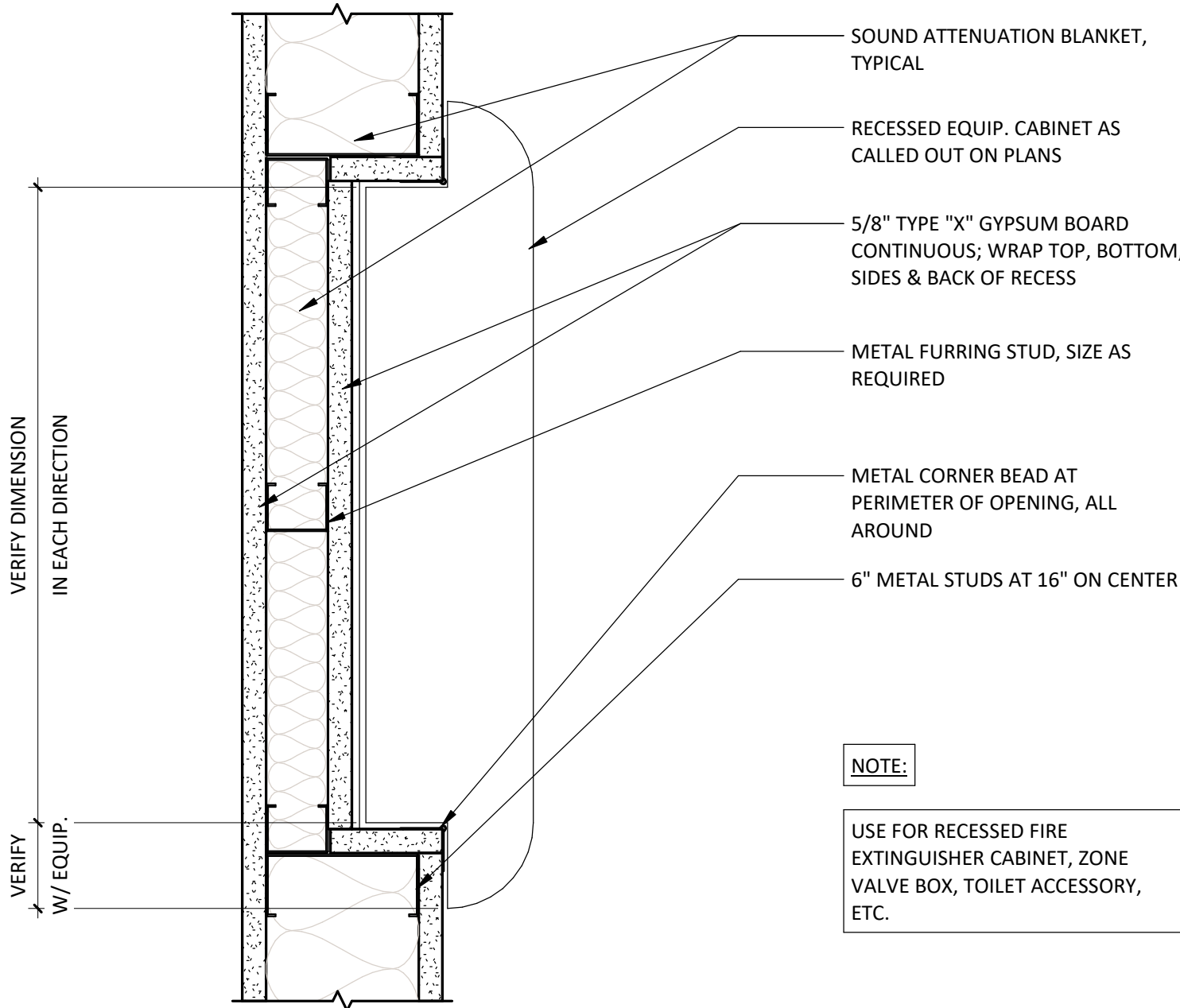
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AGENCY

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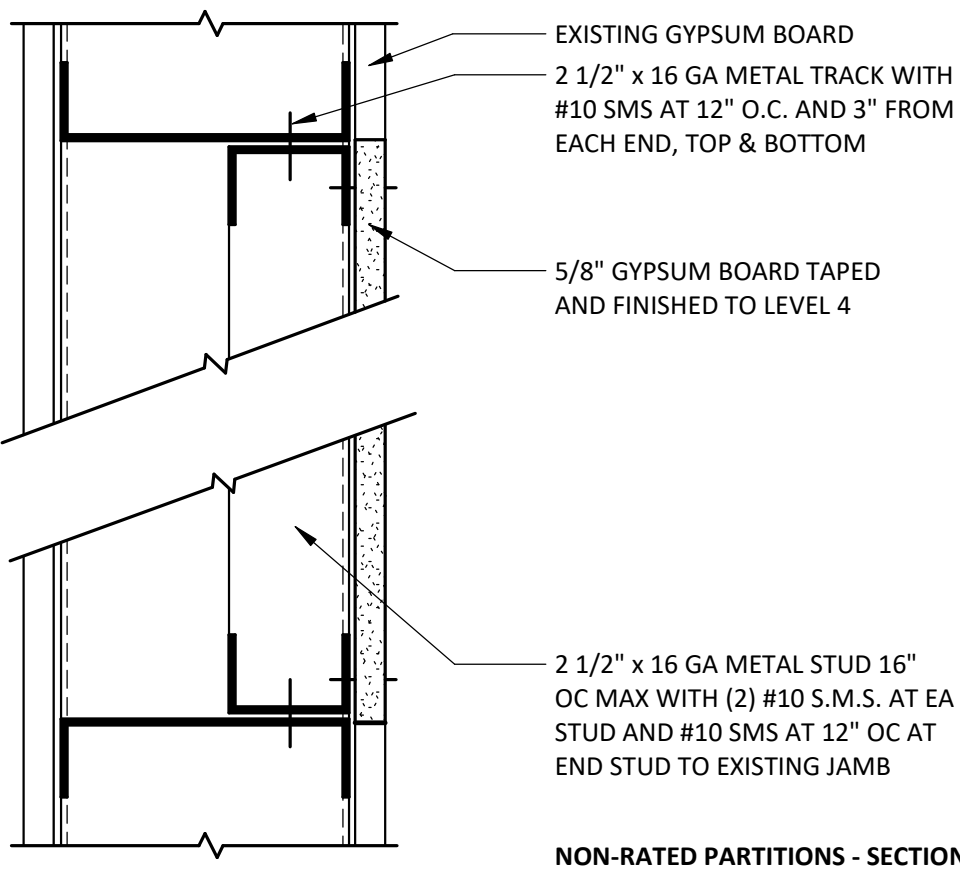
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SCALE: 3" = 1'-0"
DRAWN: PL, JV
REVIEWED:
JOB NUMBER: 6406.24

INTERIOR DETAILS

AE701

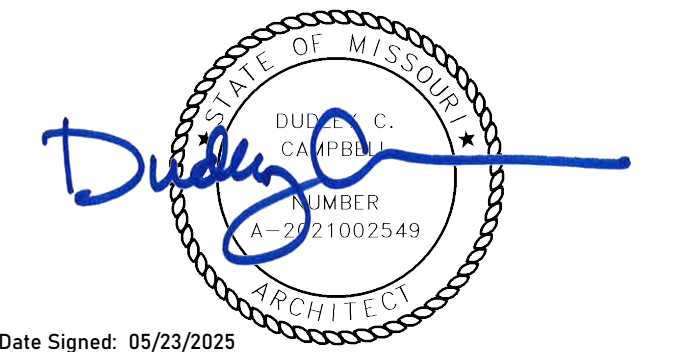


2 RECESSED FIRE EXTINGUISHER CABINET
3" = 1'-0"



1 PARTITION OPENING INFILL NON-RATED
3" = 1'-0"

Consultant:



Date Signed: 05/23/2025

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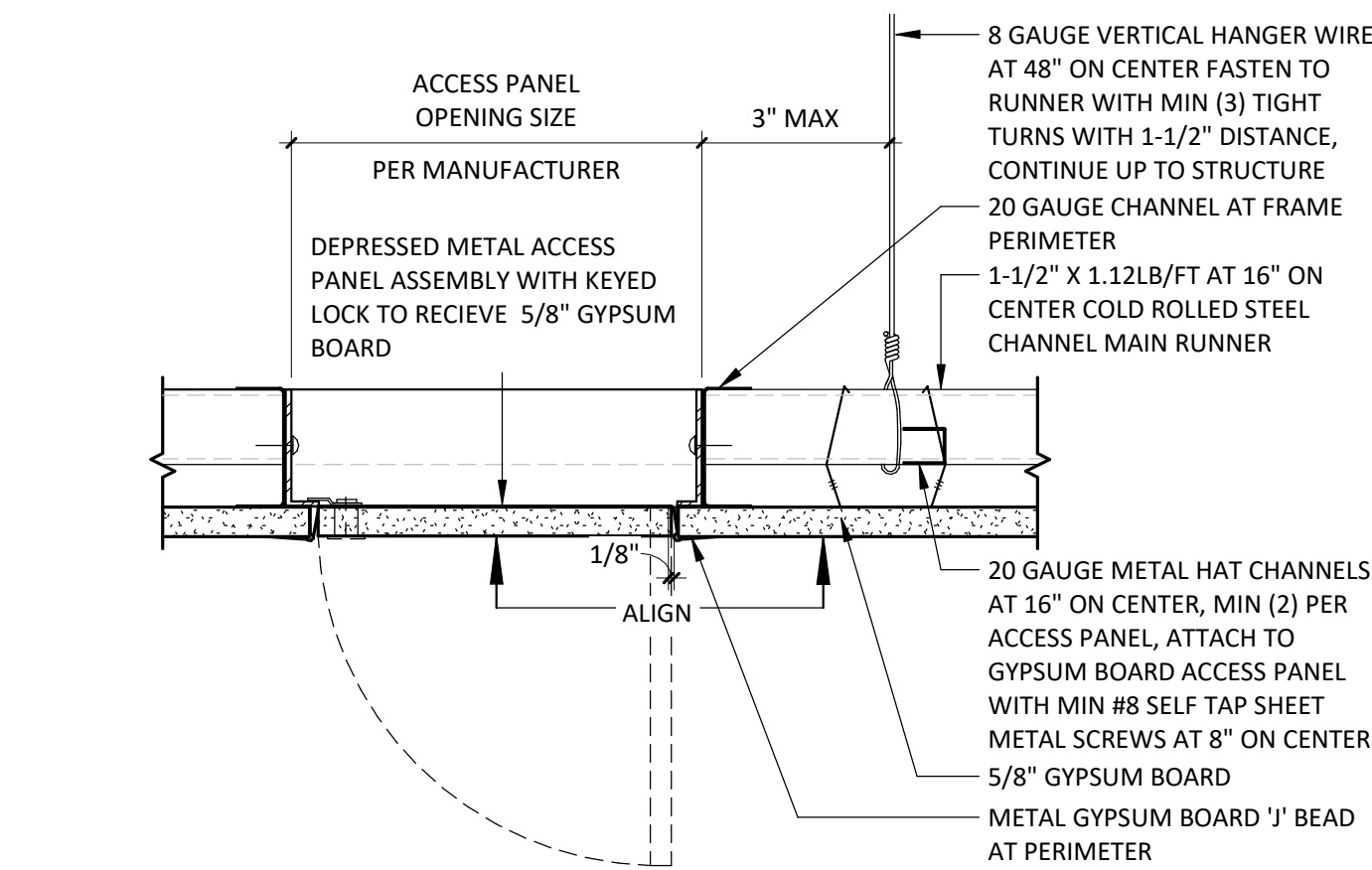
AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: As indicated
DRAWN: PL, JV
REVIEWED:
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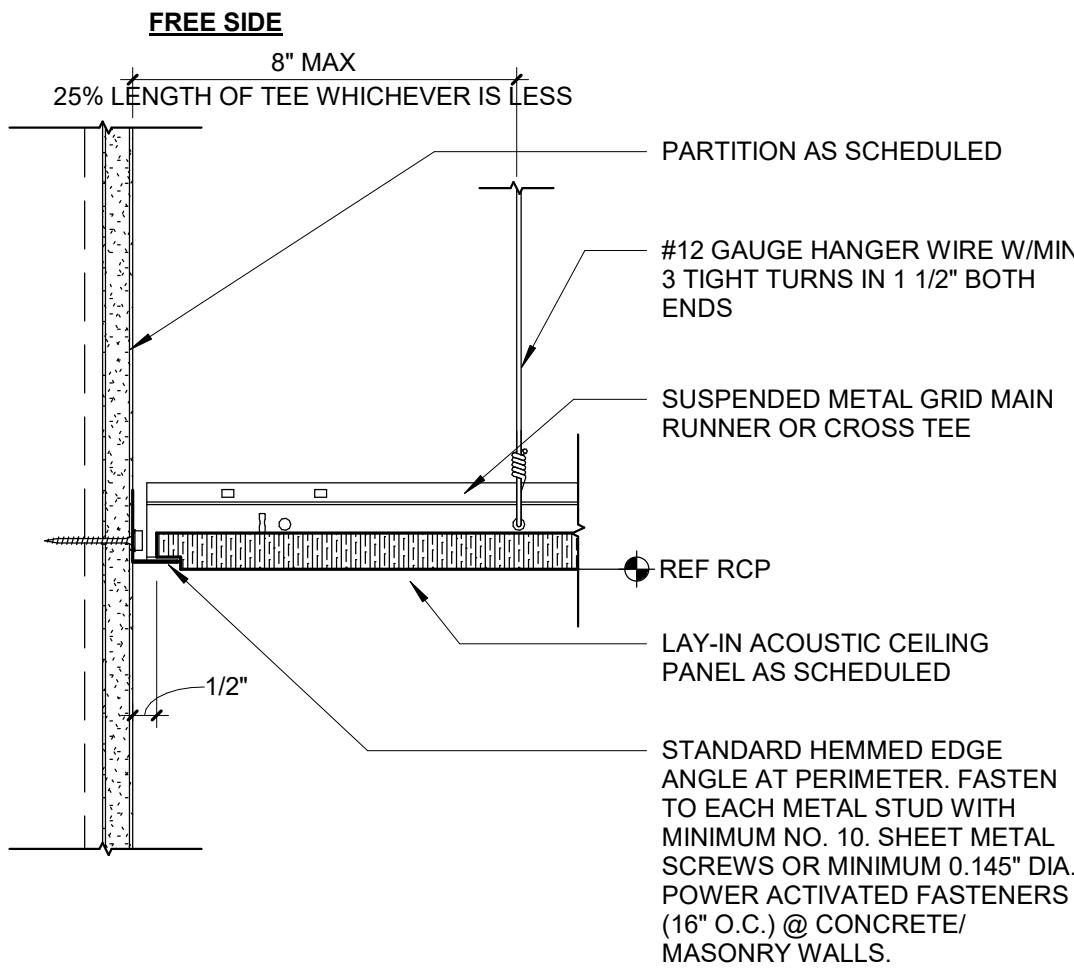
CEILING DETAILS

AE720



RECESSED GYPSUM BOARD ACCESS PANEL DETAIL

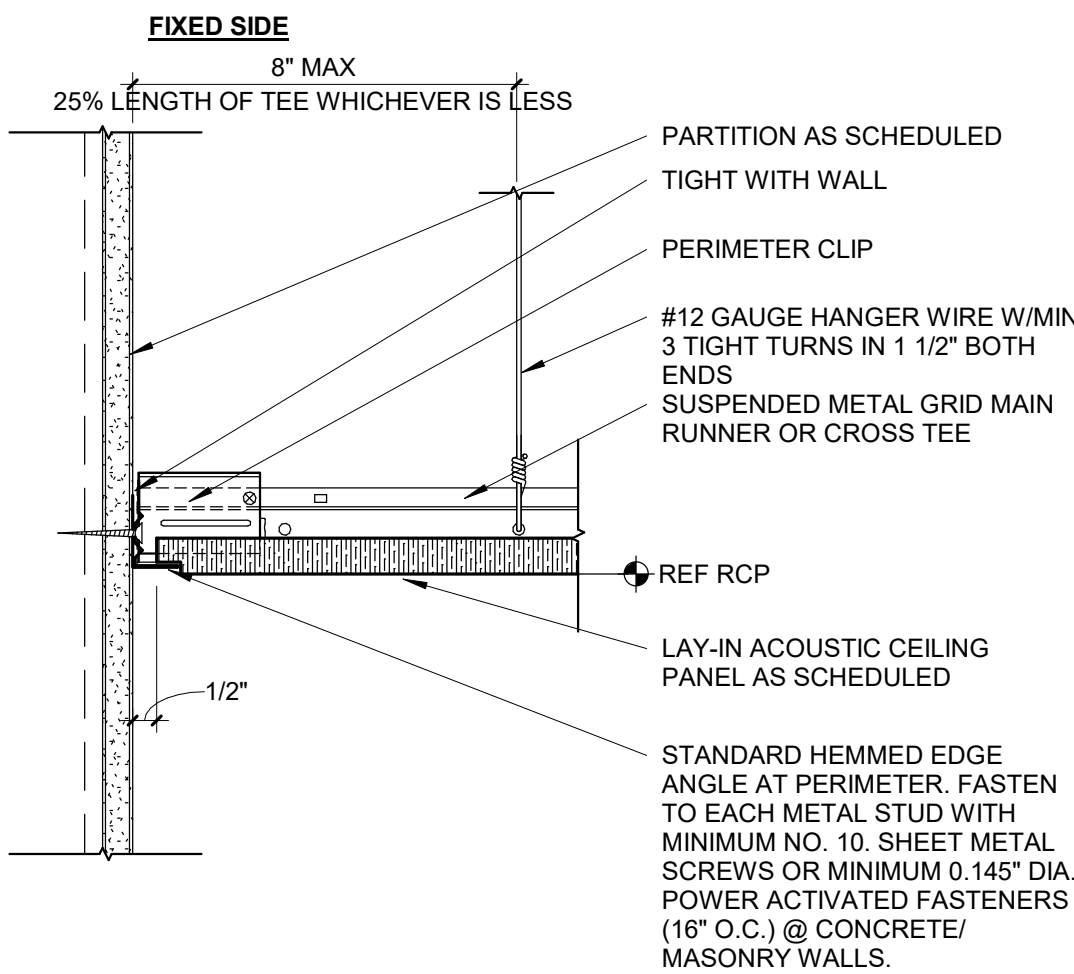
3" = 1'-0"



SUSPENDED LAY-IN CEILING FREE EDGE CONDITION

3" = 1'-0"

C1070

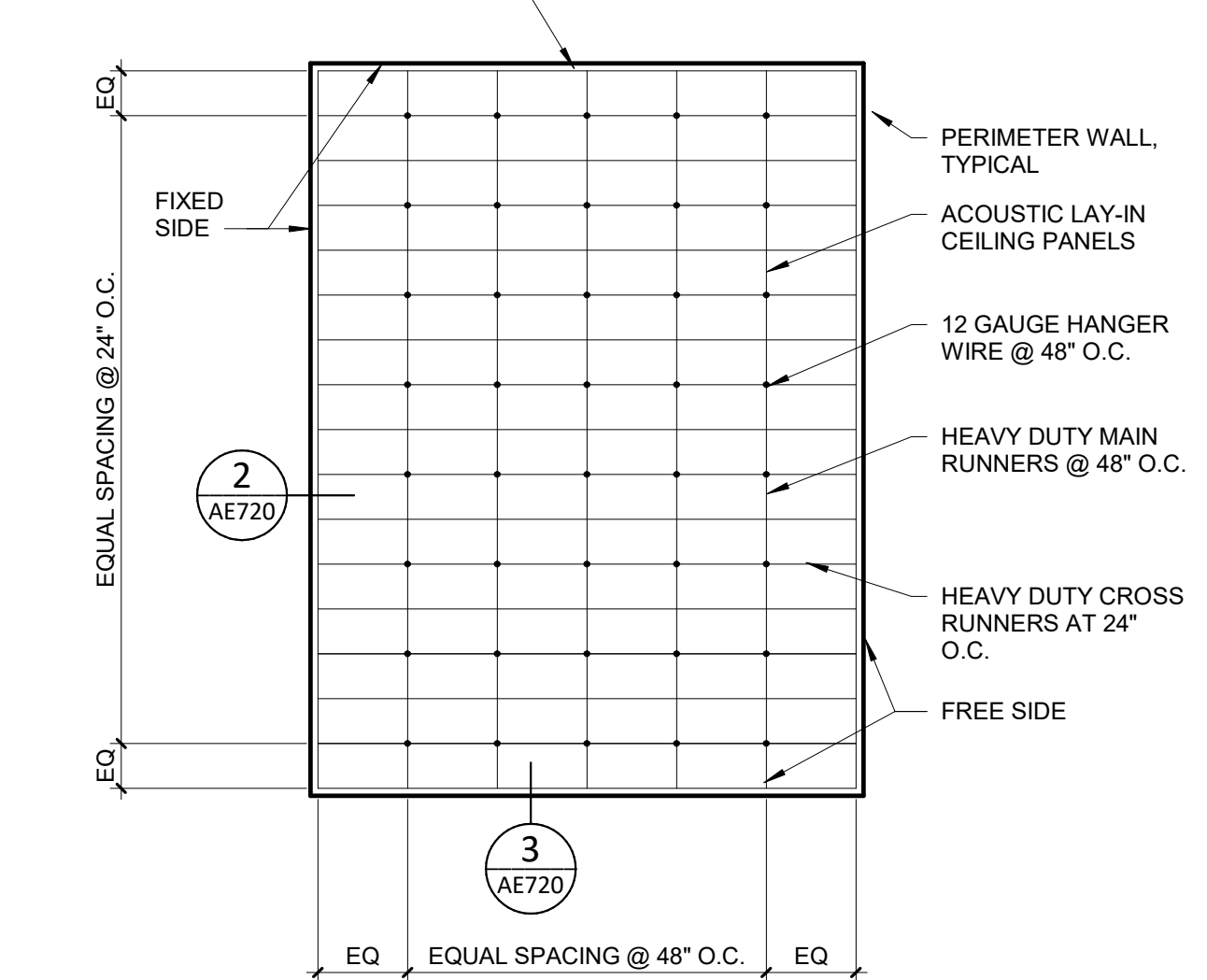


SUSPENDED LAY-IN CEILING EDGE CONDITION

3" = 1'-0"

C1070

NOTES:
1. STRUCTURAL CLASSIFICATION OF CEILING GRID MEMBERS:
MAIN RUNNERS: HEAVY DUTY
CROSS-RUNNERS: HEAVY DUTY
2. ALL CEILING SYSTEMS ARE TO BE CENTERED IN DESIGNATED ROOMS UNLESS NOTED OTHERWISE



APC-SUSPENDED CEILING

1/8" = 1'-0"

C1070

Autodesk Docx//6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r123/6406.24.0001 HCA - LSMC Lab & Pharmacy Renovation.rvt 5/21/2025 9:25:04 AM

FINISH SELECTIONS AND GENERAL NOTES

MATERIAL CONTACTS

Please contact the following representatives for special pricing.		
MANUFACTURER	TYPE OF FINISH	NAME, EMAIL, PHONE #
Armstrong Ceilings	Acoustical Ceiling Tile	Hedda Metzler 717.209.2753 hmetzler@armstrong.com HPG#6924
Bennu Enterprises	Signage	Tony Hatchell 615.226.4577 tony@bennusigns.com
Daltile	Ceramic Tile	Abby Trask 615.519.0672 abby.trask@daltile.com
Durasein	Solid Surface	Pam Dervarics 610.360.5825 pam.dervarics@durasein.com
Gerfor	Sheet Vinyl Flooring/Wall Protection	Nick Bratcher 615.585.1810 nick.bratcher@gerforusa.com
Herman Miller	Lab/Pharmacy Casework	Donna Doss 615.351.3344 donna_doss@hermanmiller.com
InPro Corporation	Wall Protection	Anthony Collins 1.800.222.5556 acollins@inprocorp.com HPG# 44661
Logistic Solutions	Floor Purchasing	Logistics Solutions LLC Customerservice@logisticsolutions.net 615.750.2014
Mannington	Flooring and Base	Terr Bailey 615.427.8980 tbailey@mannington.com HPG#5468
Schluter Systems	Metal Trim	Jack LeBlanc 225.483.2758 jleblanc@schluter.com
Sherwin Williams	Interior Paint	Andrew Flippin Andrew.flippin@sherwin.com HPG#5893
Wilsonart	Plastic Laminate	Chris Fleming 615.292.2188 chris.fleming@wilsonart.com

CEILINGS

CODE	ITEM	TYPE/LOCATION	MANUFACT.	DESCRIPTION
ACT1	Acoustical Ceiling Tile - General	General, Back of House, Staff Areas	Armstrong	Fine Fissured 1729 White Medium Texture 24"x24" Square Lay-In with 15/16" Prelude XL Grid, Factory Painted White NRC: 0.85, CAC: 35
ACT2	Acoustical Ceiling Tile	Lab	Armstrong	"Ultima Healthzone" High NRC 1935 Fine Texture 24"x24" Square Lay-In with 15/16" Prelude Plus XL Grid, Factory Painted White. NRC: 0.80, CAC: 35
ACT3	Acoustical Ceiling Tile - Scrubbable	Scrubbable Ceilings	Armstrong	"Clean Room VL Unperforated" 868 Smooth Texture 24"x24" Square Lay-In with 15/16" Clean Room Grid, Factory Painted White CAC: 40
GYP	Gypsum Board Ceiling	See Finish Plans		See WALLS section for ceiling paints.

WALLS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
CWT1	Ceramic Wall Tile	Walls-Field	Daltile	Pattern: Color Wheel Classic Color: Arctic White 0190, Glossy Size: 3"x6" Grout: Laticrete, Spectralock Pro Premium Grout Color: Bright White 44 Grout Joint: 1/16"
EP1	Epoxy Paint	Walls-General	Sherwin Williams	Color: SW9166 Drift of Mist Formula/Finish: Low Gloss Water-Based Epoxy
EP2	Epoxy Paint	GYP Ceilings	Sherwin Williams	Color: SW7007 Ceiling Bright White Formula/Finish: Low Gloss Water-Based Epoxy
P1	Wall Paint	Walls-General	Sherwin Williams	Color: SW9166 Drift of Mist Formula/Finish: Latex Eggshell
P2	Ceiling Paint	GYP Ceilings	Sherwin Williams	Color: SW7007 Ceiling Bright White Formula/Finish: Latex Eggshell
P3	Metal Paint	Door Frames, Inter. Metal Doors, Metal Door Life, Laminate Door Life	Sherwin Williams	Color: SW7645 Thunder Gray Formula/Finish: Semi Gloss Alkyd Enamel Note: For INTERIOR doors ONLY. See architectural drawings and specifications for all exterior finishes.
P4	Detail Paint	Storage/Supply	Sherwin Williams	Color: SW6868 Real Red Formula/Finish: Latex Eggshell

METAL TRIM

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
SCH1	Tile Edge Trim	Walls-Tile	Schluter Systems	Jolly Aluminum Finish: Satin Nickel Anodized Aluminum

BASE

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
IB1	Integral Sheet Vinyl Base	Walls-Sheet Vinyl	Mannington	Series and Color: To Match Sheet Vinyl Flooring Height: 6" Outside Corner: Boot Adhesive: Manufacturer Recommended Notes: Flash cover up walls to form self covered integral base.
IB2	Integral Sheet Vinyl Base	Walls-Sheet Vinyl	Gerfor	Series and Color: To Match Sheet Vinyl Flooring Height: 6" Outside Corner: Boot Adhesive: Manufacturer Recommended Notes: Flash cover up walls to form self covered integral base. **Weld to CWS1 for continuous floor to wall system.
RB1	Rubber Base	Walls-General	Mannington	Style: Optimum Edge TP rubber Height: 4" H, 1/8" thick Color: Mocha 597 Adhesive: Manufacturer Recommended Notes: Cove and continuous rolls. Miter inside corners. Do NOT use pre-molded outside corners.

FLOORING

CODE/KEY	ITEM	LOCATION	MANUFACT.	DESCRIPTION
LVT1	Luxury Vinyl Tile	Floors-Offices	Mannington	Style: Amtico Wood Collection Color: Manor Oak AROW7970- Square Edge Size: 9" x 48" x 2.5mm thickness Adhesive: Manufacturer Recommended
SVF1	Sheet Vinyl Floor	Floors-Field	Mannington	Style: Biospec MD Color: New Mineral Gray 15365 Roll Width: 6'-6" x 0.080 Adhesive: Manufacturer Recommended Notes: Seams to be heat welded with solid weld rod 842524 Timberwolf *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods*
SVF2	Sheet Vinyl Floor	Floors-Compounding Pharmacy	Gerfor	Style: Mipolam Symbioz Color: Clay 6041 Roll Width: 6'-6" x 0.080 Adhesive: Manufacturer Recommended Notes: Seams to be heat welded with solid weld rod BBR40 0582
SVF3	Sheet Vinyl Floor	Floors-Slip Resistant	Mannington	Style: Assurance III Color: Trail 16352 Roll Width: 6'-6" x 0.080 Adhesive: Manufacturer Recommended Notes: Seams to be heat welded with solid weld rod 842381 Heather Beige Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods*

FLOORING TRANSITION STRIPS

CODE	ITEM	TYPE/LOCATION	MANUFACT.	DESCRIPTION
TS1	Transition Strip	LVT to SVF	Sheet Flooring	Weld Rod to match adjacent sheet vinyl Utilize 2 coats of Quantum Guard HP Seam Coater Pen on Weld Rods for Mannington Sheet only
TS2	Transition Strip	New Floor to Existing Flooring	Schluter Systems	Contractor to submit ADA compliant transition from that is appropriate for new/existing flooring heights. Stainless Steel ONLY

CASEWORK

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
PL1	Plastic Laminate	Vertical Surfaces/Interior Doors	Wilsonart	Pattern: Pinnacle Walnut 7992 Finish: 38 Fine Velvet Texture
PL2	Plastic Laminate	Core/Shell Doors	Wilsonart	Pattern: Williamsburg Cherry 7936K Finish: 07 Textured Gloss Finish Verify Match in Field
SS1	Solid Surface	Solid Surface Countertops	Durasein	Pattern: Royal Carrera DMS009
MOD	Modular Casework	Casework	Herman Miller	Laminate Countertop: Warm Grey Neutral Solid Surface Countertop: Concrete Chemsurf Countertop: Warm Grey Neutral Frame, Panel, Connector: Soft White Overhead/Shelf Finish: Soft White C-Frame: Soft White Undercounter Storage: Soft White Tackboard: Crossing Porcelain Floor Base: to match adjacent base finish and height per room.
	Casework Interior Melamine	Casework Interior	See Architectural Specs	Color: White See Architectural Sheets for further details.

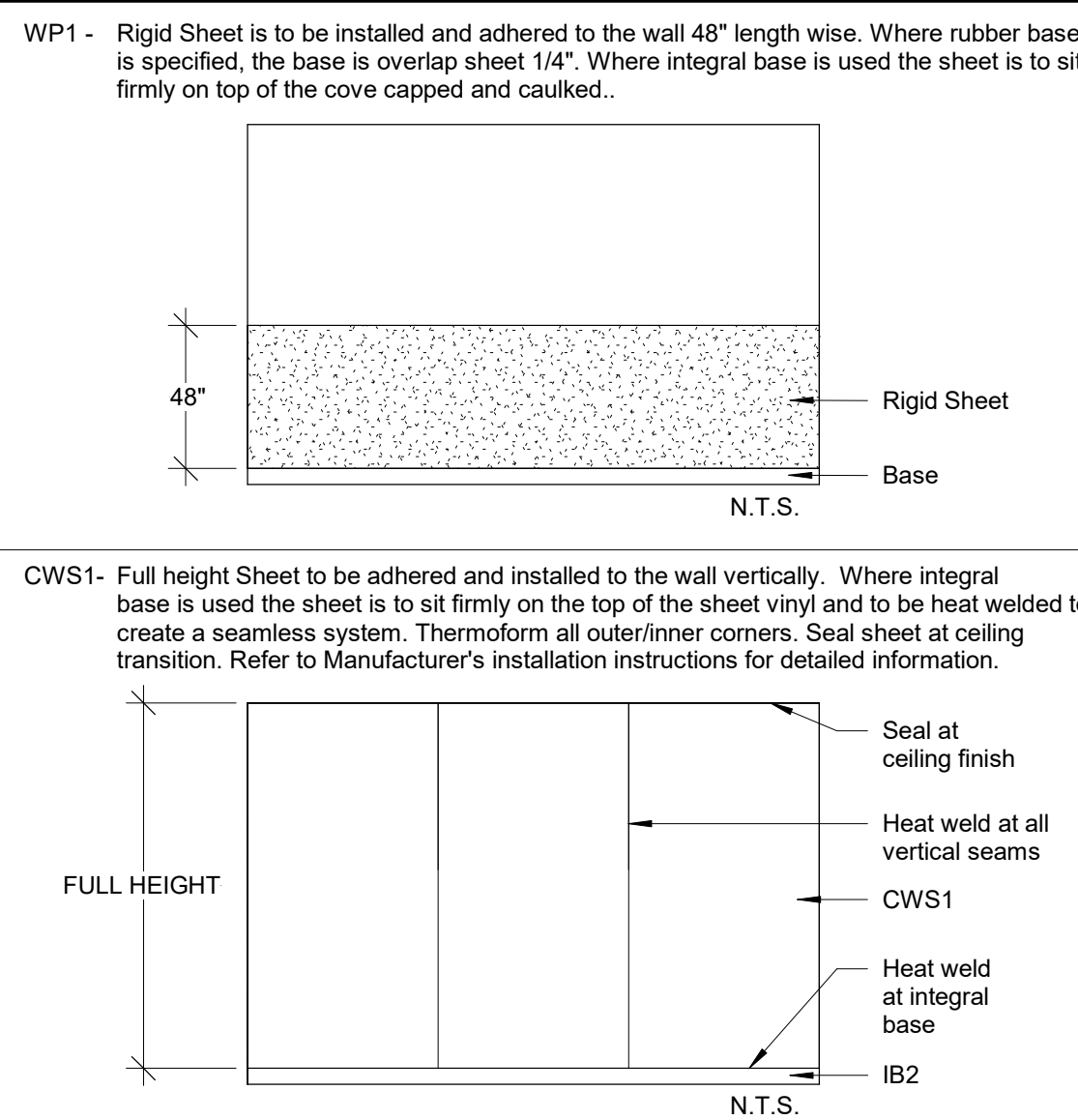
MISCELLANEOUS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
D1	Doors	New Interior Arch. Doors	See Arch. Specs	Finish: T1 Suite: PL1 Core/Shell: PL2 *See Finish Plan for notes regarding core/shell facing laminate.
LK1	Lockers	Locker Room	See Arch. Specs	Color: TBD During Submittals Notes: See architectural specifications for more information on style/sizes
#	Signage	See sign plans	Bennu Enterprises	Style: To match existing signage Background Color: To match existing signage Verbiage Color: o match existing signage Accent Color: o match existing signage Notes: Allow a 5% allowance in bid

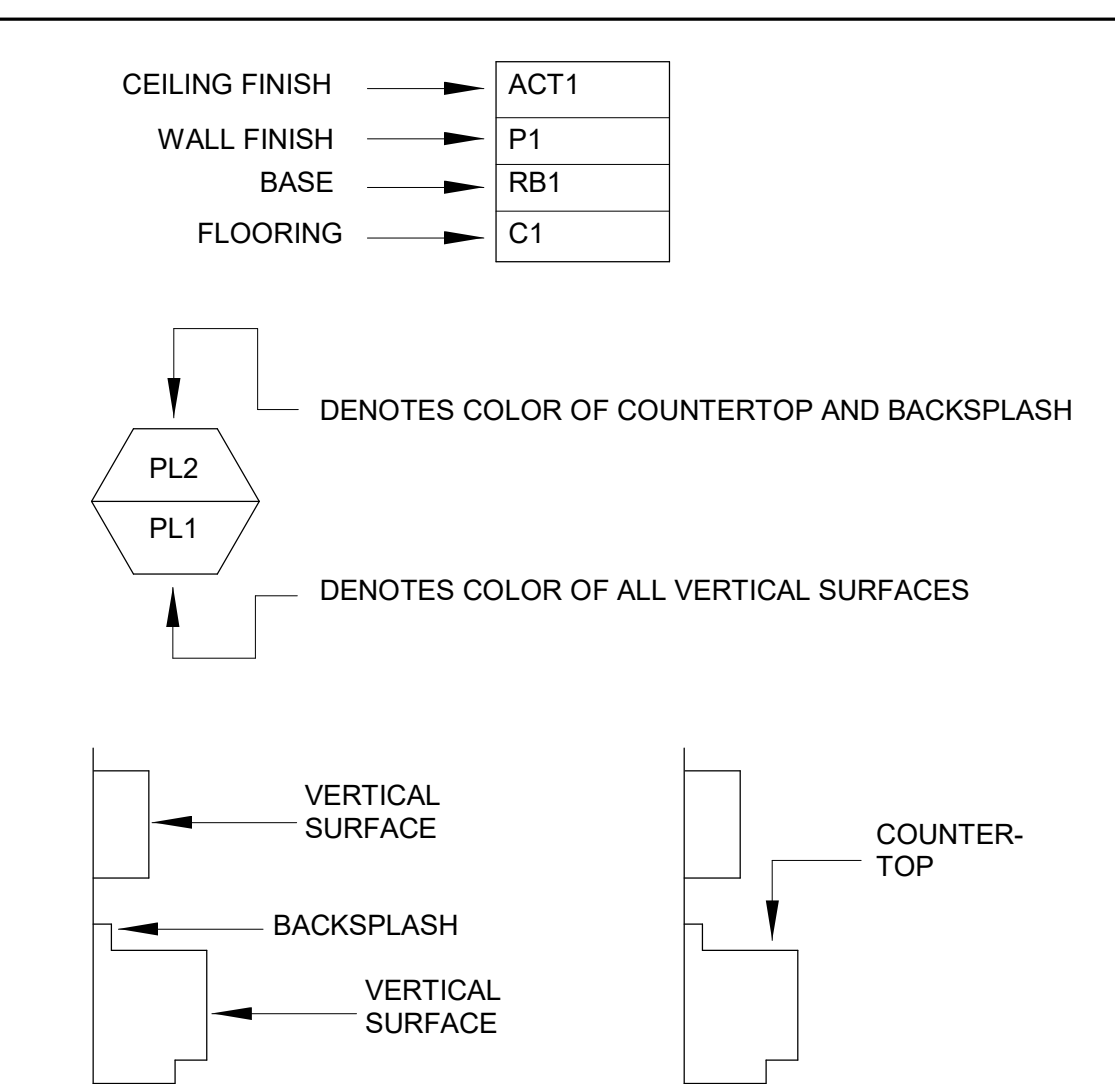
WALL PROTECTION ITEMS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
●	Corner Guard 2" Full Height	Corners-90 degree	InPro	Style: 160BN Color: Feather 0238 Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
└─┘	Corner Guard 2" Full Height	Corners-End Walls	InPro	Style: 160DBN Color: Feather 0238 Retainer: Vinyl Height: Full Height Sheet Texture: Velvet Notes: Install above wall base. Utilize top and bottom caps.
See Below	Rigid Sheet-Vinyl	See plans	InPro	Style: Rigid Vinyl Sheet Wall Protection Thickness: 0.060" Texture: Velvet 0238 Vinyl Color: Feather Notes: Utilize vinyl seal caulk at seams, NOT vinyl trim pieces. Factory-cut sheets, do NOT field-cut.
CWS1	Rigid Sheet-Vinyl	Compounding Pharmacy	Gerfor SPM	Style: Decoclean Thickness: 0.080" Size: 9.8" H x 4.2" W Texture: Smooth Vinyl Color: Chalk Adhesive: Gerfor 505 SPM Wall Panel Adhesive *Heat Weld to integrated base for continuous floor to wall system. **Heat Weld all vertical seams.

WALL PROT. CONFIGURATIONS



LEGEND



ETR= Existing finishes are to remain
PM= Patch and Match existing finishes
NIS= Not in Scope
UN= Unless Otherwise Noted

GENERAL NOTES

- All work shall be guaranteed against defects for one year.
- All contractors shall visit jobsite and become familiar with existing conditions before submitting bids and/or proceeding with any work. Submission of bid indicates that the contractor has verified existing conditions.
- The drawings attached have been developed from record drawings which may not reflect actual field conditions. In no case shall dimensions be scaled from drawings. The contractor shall verify all conditions architect/designer shall be notified of any subsequent work. Review drawings for clarification prior to proceeding with work.
- Thoroughly clean all light lens and ceiling air diffusers after construction work is complete.
- All parties responsible for delivering finishes to the site should check quantities and delivery dates as soon as bid is awarded to avoid any reselection of material.
- The general contractor shall carefully study and compare the documents and finish plans and shall at once report to the architect any error, inconsistency or omission he may discover.
- Furniture is the be owner furnished, owner installed unless otherwise noted on the furniture plan.
- For all products installed, note industry standards and manufacturer specifications for installation.
- All interior wall, ceiling and trim finishes meet a Class A flamespread rating of 25 or less, and shall have a smoke development of 250 or less.
- All interior flooring meets Class I and II flamespread ratings.
- All flooring at means of egress and wet areas shall meet minimum slip resistance requirements of relevant ANSI and ASTM test methods, in accordance with building codes, ADA guidelines, and local and state AHJs.
- Final Clean Up: The contractor shall coordinate with the project schedule to make certain that all housekeeping cleanup items are done prior to move-in. This would include wiping down, cleaning glass, washing, waxing, vacuuming, or any other services which would be performed under the contractor's maintenance cleaning programs. Upon completion of work, all waste material, rubbish, tools, construction equipment, machinery and other surplus materials shall be removed from the site.
- NO SUBSTITUTIONS OF SPECIFIED FINISHES WILL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE INTERIOR DESIGNER.

A: GENERAL FINISHES

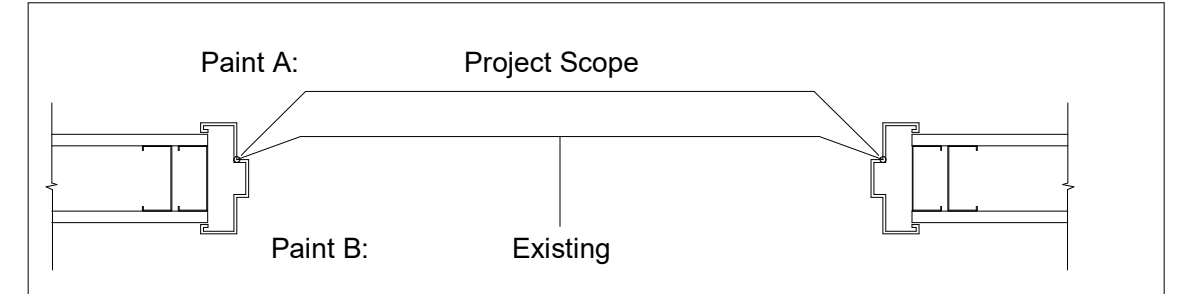
- Refer to attached drawings for further clarification of work to be performed and/or for floorplan layout of facility.
- Contractor is to provide "surplus stock" as noted below. Surplus stock shall be provided on each different product manufacturer, style, color and finish specified. Refer to Written Specifications Section in the Project Manual (if applicable) for additional information. Final payment shall not be made until stock is delivered.
Ceiling Tile: Provide 1 (one) full carton for each product type used.
Interior Paint: Provide 1 (one) gallon per type/color/finish. Each container MUST have the formula clearly indicated.
Corner Guard Covers: Provide 2% overage per type/color, no fewer than 2 (two) units.
Rubber Base: Provide 8 linear feet per type/color for every 500 linear feet installed, or a minimum of 8 linear feet.
Luxury Vinyl Tile: Provide 1 (one) box per type/color for every 50 boxes installed, or a minimum of 1 (one) box.
Sheet Vinyl Flooring: Provide 10 linear feet per type/color for every 500 linear feet installed, or a minimum of 10 linear feet.
- Submittal requirements: Contractor is to provide submittals to the Interior Designer for approval prior to fabricating or purchasing materials. All submittals are to be clearly marked with manufacturer, style color and Finish Material Legend code.
3.1 Electronic submittals are acceptable for all product data, shop drawings and samples. **Paint draw downs and wall protection color samples require physical samples, no exceptions.** For finish samples, a photo of front of sample, as well as manufacturer label, is required.
- Interior Architectural Door material is to be : Plastic Laminate.
4.1 Door finish is to be: D1.
- If casework does not have a finish call-out symbol, the selection will be made in the shop drawings.
- Wood grain laminates are to be installed so that the grain runs in a vertical direction, unless otherwise noted on architectural casework drawings.
- To avoid variances and dye lot issues on phased projects, the full amount of project finish materials need to be purchased at one time.

B: CEILING

- When installing lay-in ceilings, lay out grid in room so that cut tiles at perimeter are no less than 9" wide.
- Gypsum (GYP) ceilings are to be painted with the same paint type as adjacent wall. If walls are epoxy, ceilings should be epoxy as well. If walls are latex eggshell, ceilings should be as well. **"ALL CEILINGS SHOULD BE COLOR "CEILING BRIGHT WHITE" UNLESS A SOFFIT ACCENT COLOR IS INDICATED"**
- Edges of cut ceiling tiles are to be painted with ceiling manufacturer's matching touch up paint.
- For renovation work where not all ceiling tiles are being replaced: Replace all damaged ceiling tiles as necessary. Utilize existing ceiling tiles from one enclosed room for replacement tiles. Provide all new in above-mentioned enclosed room. This ensures ceiling tiles look uniform, avoiding a mismatched look when damaged tiles are sporadically replaced with new.

C: PAINT

- Prior to the application of paint, the contractor is to repair new or existing surfaces by patching, smoothing and sanding as needed to achieve a surface acceptable for the application of new finish. Prepare door frames or metal surfaces by sanding by chips/burrs, filing dents and caulking cracks at corners as required.
- Miscellaneous metal (return and air supply grilles, expansion joints, etc) located on wall surface is to be painted to match the adjacent wall color.
- The contractor is to submit one paint sample of each paint color in the appropriate finish to the interior designer for approval prior to purchasing paint. Samples are to be painted on 8.5"x11" card stock. Each sample should have the Finish Material Legend code and color formula clearly indicated, as well as the store location where the paint is to be purchased.
- When specified in the Finish Plan, provide paint finishes as noted for the surfaces listed below. Refer to written Architectural Paint Specifications section for further information regarding products, primers, etc. If surfaces exist on the job that are not listed, contact the Interior Designer. All prefinished store front windows or factory prefinished frames should not be painted unless otherwise directed by the Architect or Interior Designer.
- Caulk all plumbing fixtures, millwork and trim to adjacent surfaces. Caulk to be clear.
- Acrylic Semi-Gloss Paint to be used at door frames, metals doors, view window sills/frames, shelving, previously painted wood trim and previously painted metal. See F01 section for paint information. If surfaces exist on the job that are not listed, contact the Interior Designer. All prefinished store front windows or factory prefinished frames should not be painted unless otherwise directed by the Architect or Interior Designer.
- Paint all horizontal surfaces on soffits over upper casework to match the vertical wall unless otherwise noted. Soffits indicated to receive accent paint are to be painted on all three sides. THE BOTTOM OF THE SOFFIT IS TO BE PAINTED THE SAME ACCENT COLOR AS THE SOFFIT SIDES, NOT CEILING WHITE.
- In the case where a door frame receives a paint color on one side and another paint color on the opposite side of the door, the transition shall occur on the inside corner of the jamb stop.



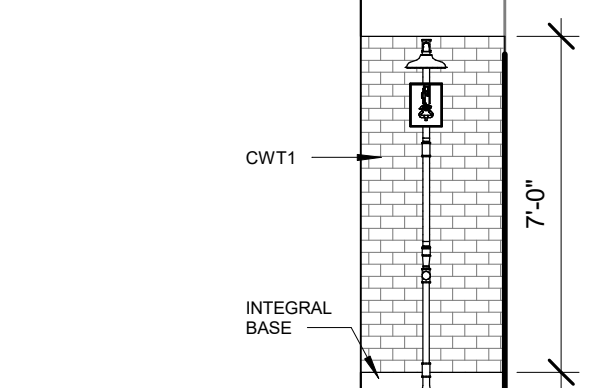
- All Storage/Supply rooms are to receive a 1" painted horizontal red line 18" from bottom of the sprinkler head around the room, paint color: P4

D: FLOORING

- All traditional rubber base is to be 4" H, coved, and continuous rolls. Miter inside corners, wrap outside corners of jobsite. Do NOT use premolded corners.
- All reducer strips and other thresholds are to be located at the centerline of door when in a closed position, unless otherwise noted.
- Utilize clear caulk to seal where flooring transition meets flooring, to eliminate gaps.
- Transition strips are indicated by a bold line on the floor pattern plans. It is the contractor's responsibility to identify locations and quantities of the material-to-material transition strips. If a strip is needed that is not listed in Floor Transition, contractor is to submit proposed product via submittal for approval. All transition are required to meet ADA guidelines.
Flooring Transition = $\frac{\text{TS}}{\text{TS}}$
- All floor transitions are to be taped or covered during construction, to protect the material until final completion.
- Where new flooring or base is specified, the same flooring or base should extend into any closets, storage areas, etc. adjacent to that space unless otherwise noted.
- For renovations, existing flooring is to be removed by the contractor prior to applying the specified flooring product.
- Floor pattern shall extend under any open space under casework or knee space, even when it appears to stop on plan.
- Where specified sheet vinyl flooring is to be heatwelded at seams using manufacturer's sealer. Flash cover material up wall to form self-coved base. Continuous Resilient cove support to be manufacturer's recommended cove support. Aluminum trim to be provided by Powerholl, mill finished anodized 409105 PH 901 MFA.
- Apply Mannington's "Seam Coater Pen" to ALL Mannington welded seams of sheet vinyl flooring immediately after installation.
- Where sheet vinyl flooring is used, a proposed seaming diagram MUST be submitted and approved by the Interior Designer.
- Minimize the amount of seams. Avoid seams extending into a doorway.
- Manufacturer's recommended adhesive is to be based on application and concrete moisture %.
- For HCA projects, all flooring should be purchased and tracked through Logistic Solutions and Mannington. See material contacts section for contact people.

E: TILE

- See Finish Material Legend for grout formulas and colors.
- All transitions between wall tile and paint are to be made with SCH1 along with a bead of wall color matching caulk.
- Walls in Shower/Eye Wash are to receive the following tile pattern and is to extend on both side walls:



Wall Tile Key:
□ CWT1

F: SIGNAGE

- Furnish interior signage to the following specifications - See MISCELLANEOUS section for style and color selections:
- See signage sheets for verbiage schedule and location plan.
 - GC to review package with end user prior to submittal. Note on submittal whether or not this has been approved/reviewed with end user.
 - GC to have a 5% allowance for unforeseen changes to signage during submittals.
 - Proposed sign styles and colors are to be submitted by the vendor (to Interior Designer, Architect and Owner) for approval during the C/A submittal process. Contractor should allow adequate time for multiple mark-up/approval cycles before the order is placed.
 - It is the sign vendor's responsibility to meet all local, state and federal codes.
 - It is the sign vendor's responsibility to create/provide all required vector files.
 - It is the sign vendor's responsibility to create/provide all fire evacuation map graphics and inserts.
 - Signage Requirements:
A. ADA compliant with Braille where required.
B. Recommended contrast between background and verbiage is 70% minimum.
C. Room/Information signs:
a. Lettering height - minimum 5/8 - 2" maximum
b. Pictograms - 6" minimum height with Braille below.
c. Non glare finish.
D. Overhead signage:
Mounting Height - greater than 70" AFF to bottom of character.
Character Height - 70" - 120" = 2" - 3"
Non glare finish.

G: WALL PROTECTION

- Prior to the application of paint, the contractor is to repair new or existing surfaces by patching, smoothing and sanding as needed to achieve a surface acceptable for the application of new finish.
- Utilize caulk at all corner guards and areas where sheet protection meets door frames. Color of caulk to match wall protection.
- Do NOT mount wall protection over expansion joints.
- Handrails shall have a minimum light reflectance value of 30 percentage points in contrast to the wall light reflectance value.
- All wall protection within sterile areas are to be caulked at all seams and transitions. Color of caulk to match wall protection.



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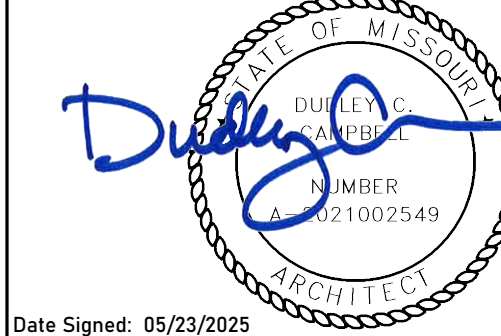
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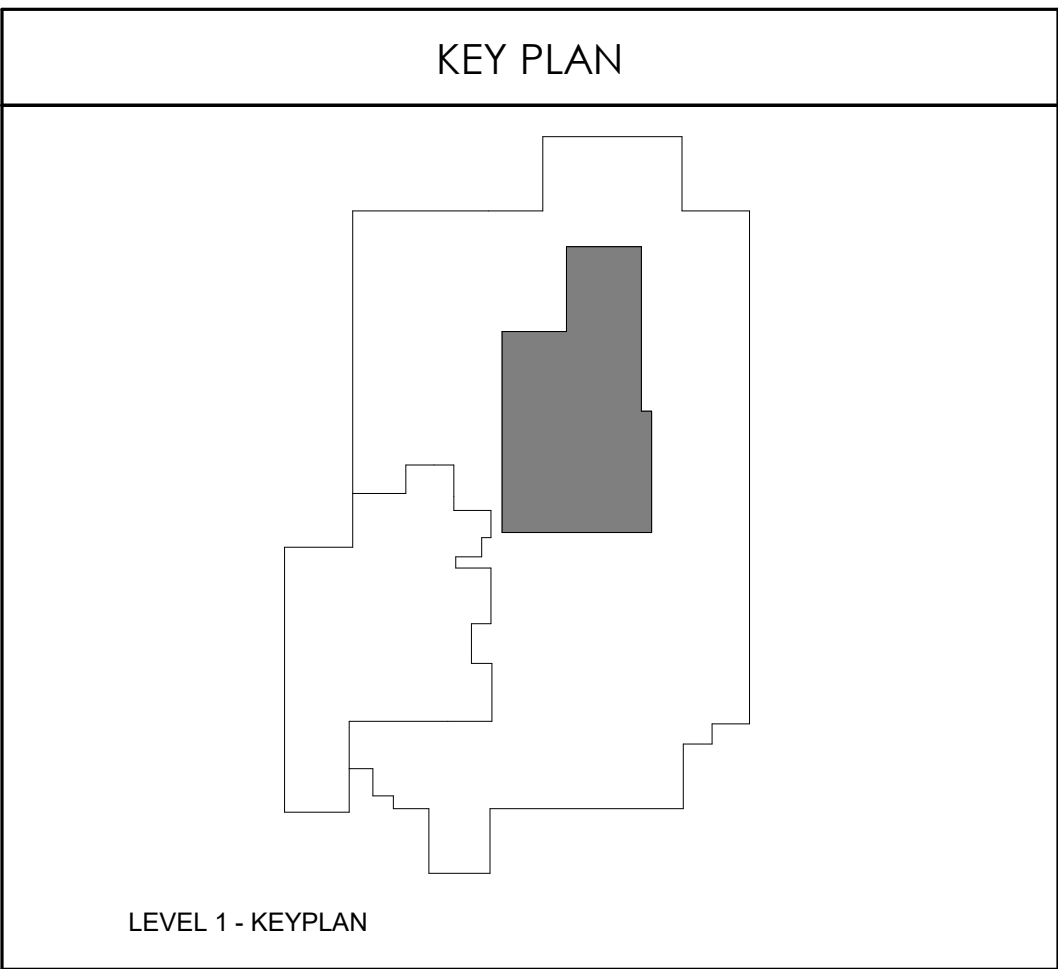
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GENERAL FINISH SPECIFICATIONS AND NOTES

AF001



1 FINISH PLAN - LEVEL 1
3/16" = 1'-0"

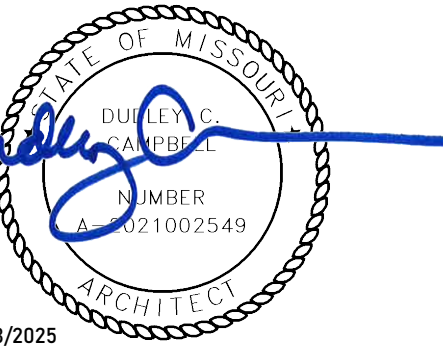


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FINISH FLOOR PLAN - LEVEL
1

AF101

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1 WALL PROTECTION PLAN - LEVEL 1
3/16" = 1'-0"

WALL PROTECTION GENERAL NOTES

1.

SEE F0.1 FOR MORE WALL PROTECTION DETAILS AND CONFIGURATIONS.

2.

*EXTERIOR WALLS SHOULD BE FURRED IN ORDER TO RECEIVE RIGID SHEET VINYL.

WALL PROTECTION ITEMS

CODE	ITEM	LOCATION	MANUFACT.	DESCRIPTION
●	Corner Guard 2" Full Height	Corners- 90 degree	InPro	Style: 160BN Color: Feather 0238 Retainer: Vinyl Height: Full Height Notes: Install above wall base. Utilize top and bottom caps.
└─┘	Corner Guard 2" Full Height	Corners- End Walls	InPro	Style: 160BN Color: Feather 0238 Retainer: Vinyl Height: Full Height Sheet Texture: Velvet Notes: Install above wall base. Utilize top and bottom caps.
See Below	Rigid Sheet-Vinyl	See plans	InPro	Style: Rigid Vinyl Sheet Wall Protection Thickness: 0.080" Texture: Velvet 0238 Vinyl Color: Feather Notes: Utilize vinyl seal caulk at seams, NOT vinyl trim pieces. Factory-cut sheets, do NOT field-cut.
CWS1	Rigid Sheet-Vinyl	Compounding Pharmacy	Gerflor SPM	Style: Decoclean Thickness: 0.080" Size: 9'6" H x 4'2" W Texture: Smooth Vinyl Color: Chalk Adhesive: Gerfix 505 SPM Wall Panel Adhesive *Heat Weld to integrated base for continuous floor to wall system. **Heat Weld all vertical seams.

WALL PROT. CONFIGURATIONS

WP1 - Rigid Sheet is to be installed and adhered to the wall 48" length wise. Where rubber base is specified, the base is overlap sheet 1/4". Where integral base is used the sheet is to sit firmly on top of the cove capped and caulked.

48"

Rigid Sheet

Base

N.T.S.

CWS1- Full height Sheet to be adhered and installed to the wall vertically. Where integral base is used the sheet is to sit firmly on the top of the sheet vinyl and to be heat welded to create a seamless system. Thermoform all outer/inner corners. Seal sheet at ceiling transition. Refer to Manufacturer's installation instructions for detailed information.

FULL HEIGHT

Seal at ceiling finish

Heat weld at all vertical seams

CWS1

Heat weld at integral base

IB2

N.T.S.

KEY PLAN

LEVEL 1 - KEYPLAN

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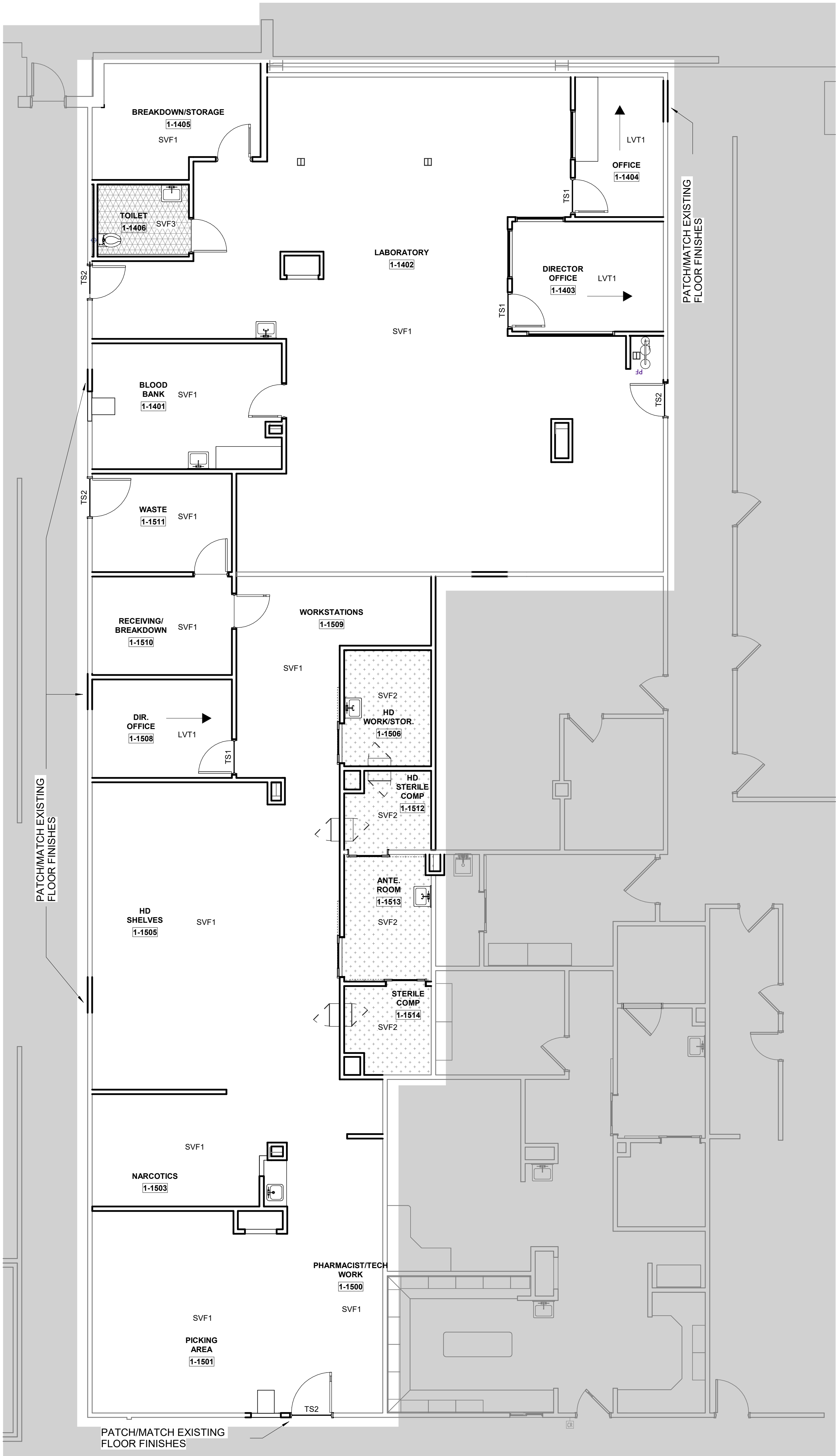
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WALL PROTECTION PLAN - LEVEL 1

AF102

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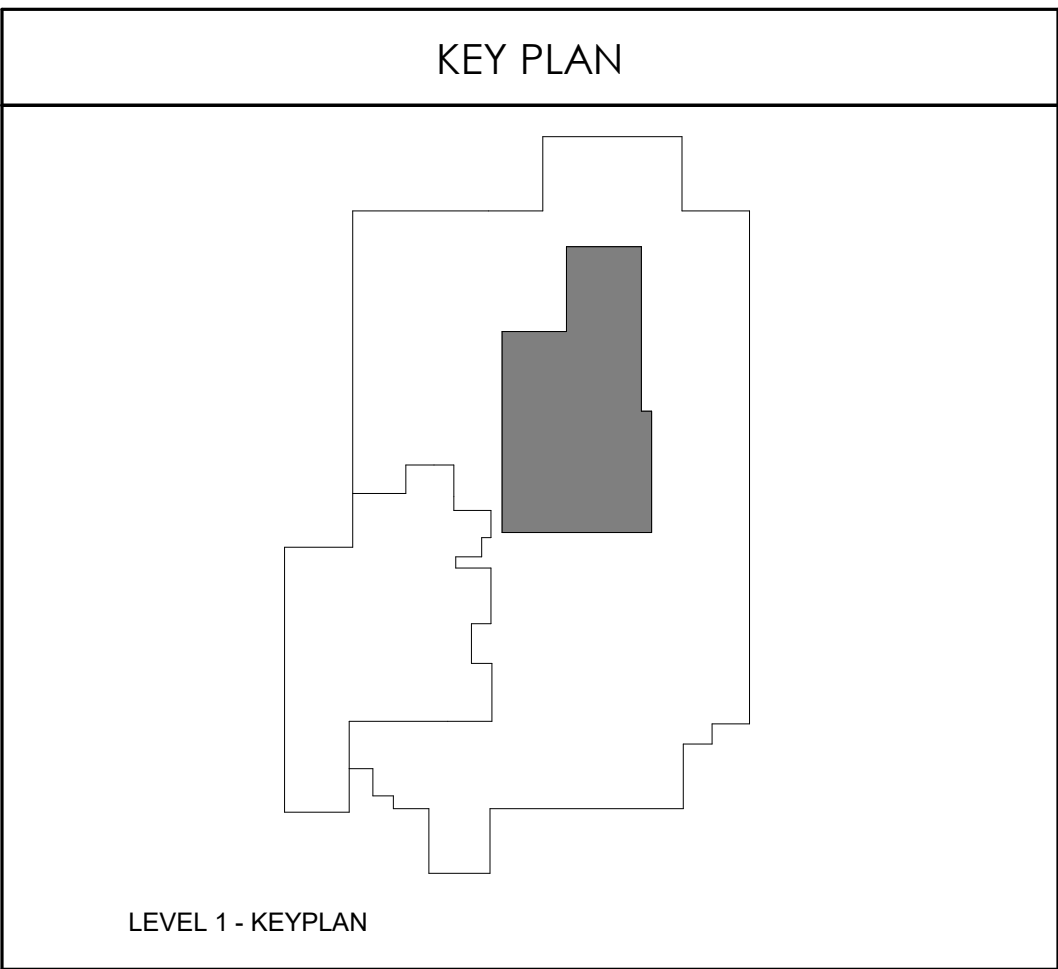


1 FLOOR PATTERN PLAN - LEVEL 1
3/16" = 1'-0"

FLOORING				
CODE/KEY	ITEM	LOCATION	MANUFACT.	DESCRIPTION
LVT1	Luxury Vinyl Tile	Floors-Offices	Mannington	Style: Amtico Wood Collection Color: Manor Oak AR0W7970- Square Edge Size: 2' x 48" x 2.5mm thickness Adhesive: Manufacturer Recommended
SVF1	Sheet Vinyl Floor	Floors-Field	Mannington	Style: Biospec MD Color: New Mineral Gray 15365 Roll Width: 6'-6" x 0.080" Adhesive: Manufacturer Recommended Notes: Seams to be heat welded with solid weld rod 942524 Timberwolf *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods*
SVF2	Sheet Vinyl Floor	Floors-Compounding Pharmacy	Gerflor	Style: Mipolam Symbioz Color: Clay 6041 Roll Width: 6'-6" x 0.080" Adhesive: Manufacturer Recommended Notes: Seams to be heat welded with solid weld rod BBR40 0582
SVF3	Sheet Vinyl Floor	Floors-Slip Resistant	Mannington	Style: Assurance III Color: Trail 16352 Roll Width: 6'-6" x 0.080" Adhesive: Manufacturer Recommended Notes: Seams to be heat welded with solid weld rod 942381 Heather Beige *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on weld rods*

FLOORING TRANSITION STRIPS				
CODE	ITEM	TYPE/LOCATION	MANUFACT.	DESCRIPTION
TS1	Transition Strip	LVT to SVF	Sheet Flooring	Weld Rod to match adjacent sheet vinyl *Utilize 2 coats of Quantum Guard HP Seam Coater Pen on Weld Rods for Mannington Sheet only
TS2	Transition Strip	New Floor to Existing Flooring	Schluter Systems	Contractor to submit ADA compliant transition from that is appropriate for new/existing flooring heights. Stainless Steel ONLY

FLOORING LEGEND	
TS	FLOORING TRANSITION TYPE
	PLANK OR TILE DIRECTION



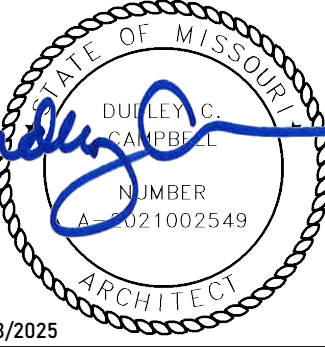


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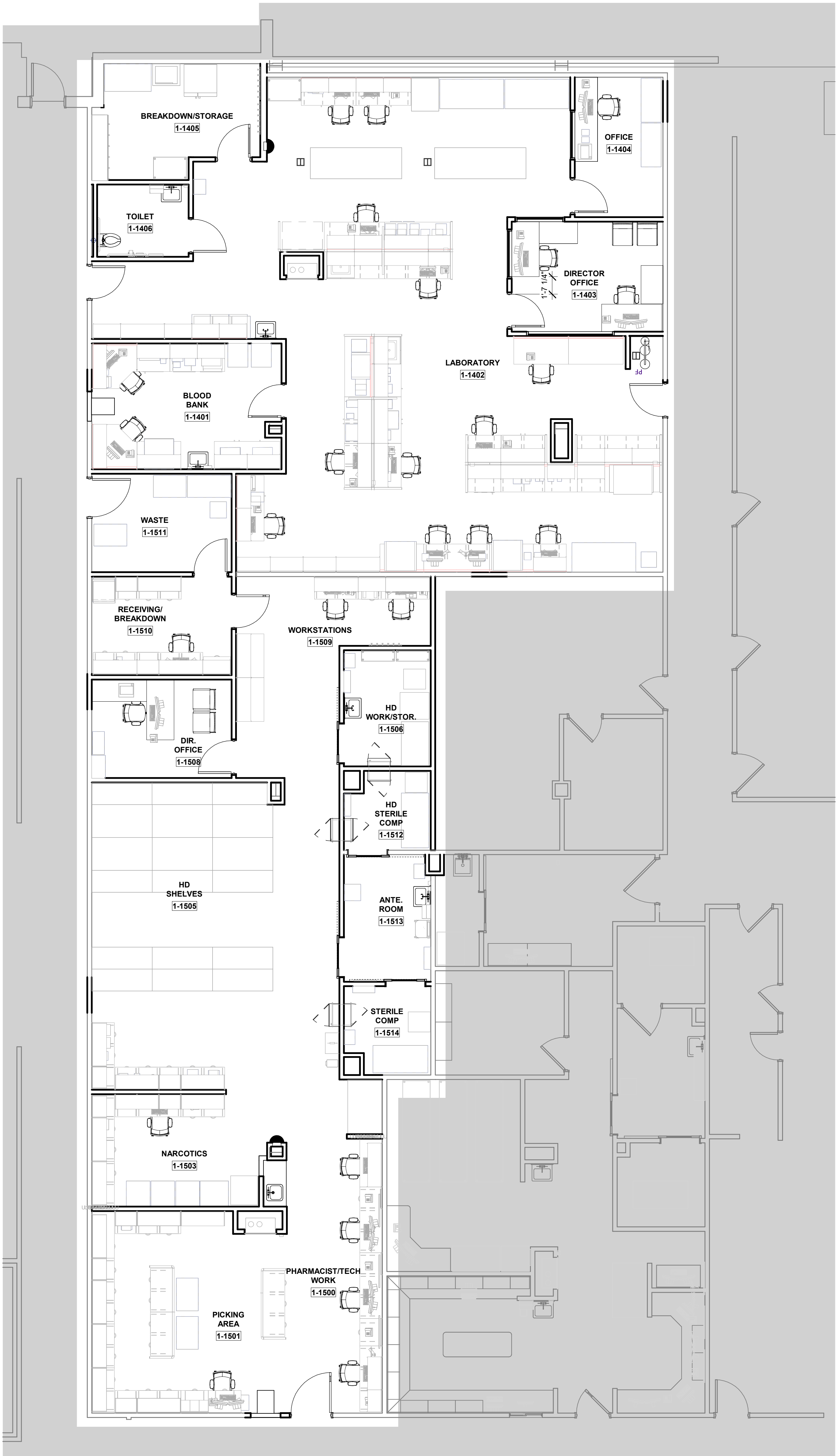
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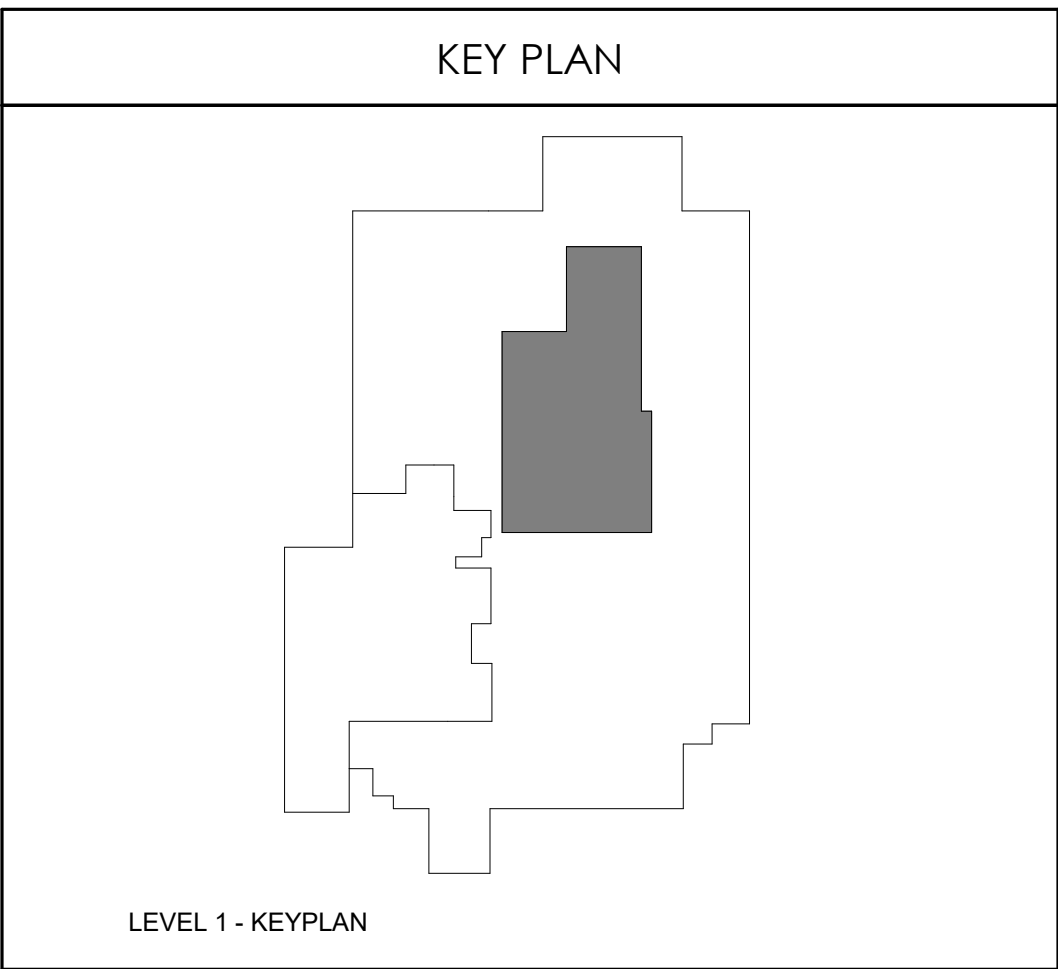
FLOOR PATTERN PLAN - LEVEL 1

AF103

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1 FURNITURE PLAN - LEVEL 1
3/16" = 1'-0"

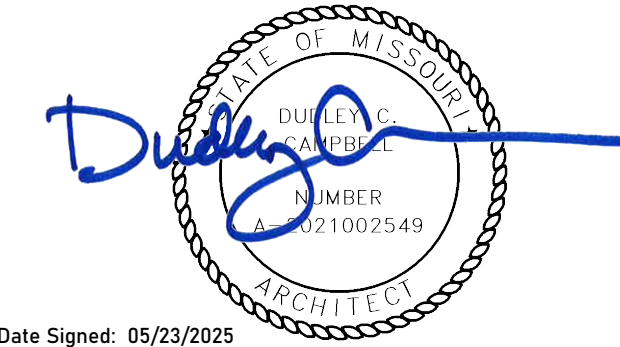


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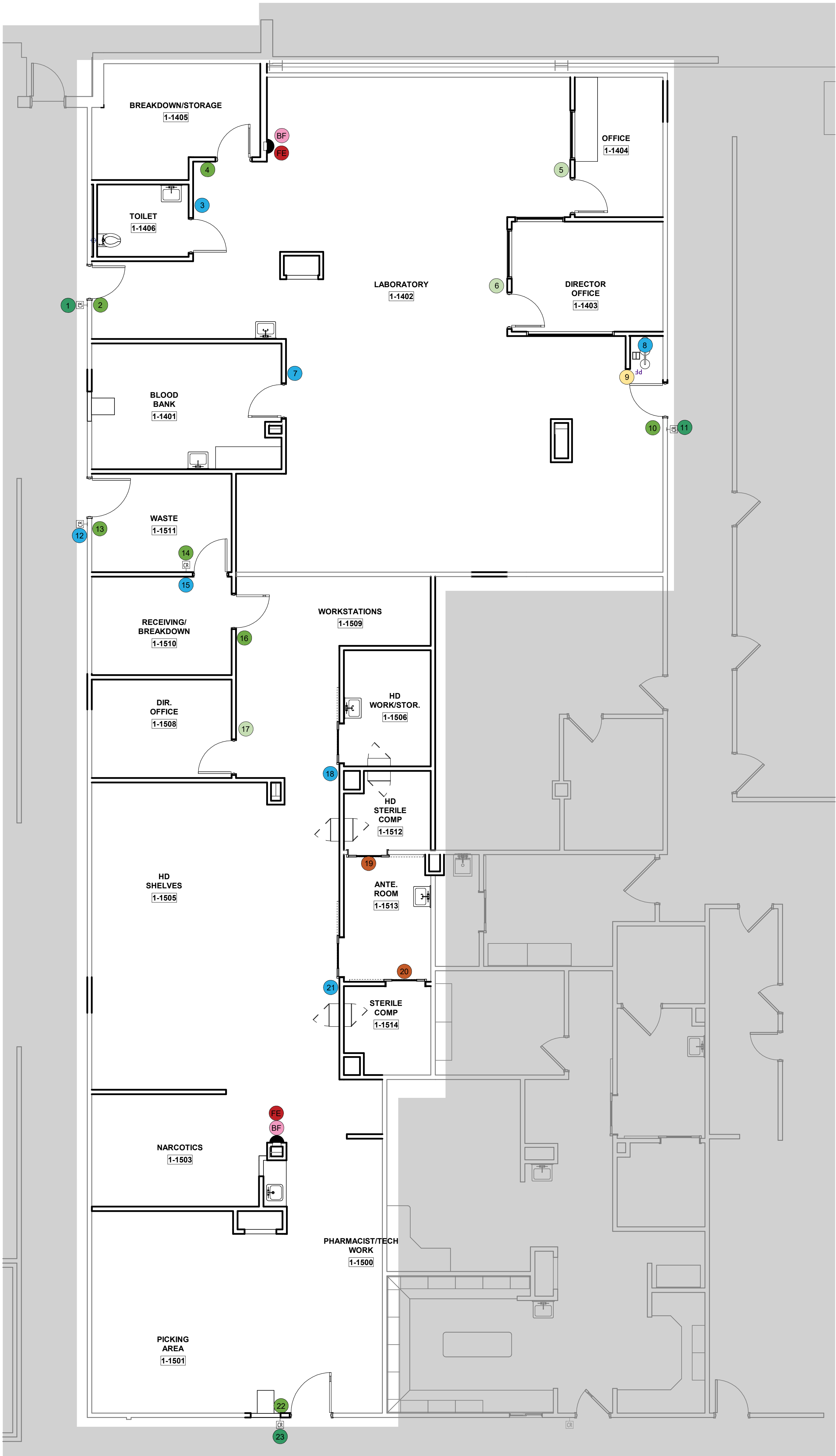
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FURNITURE PLAN - LEVEL 1

AF104

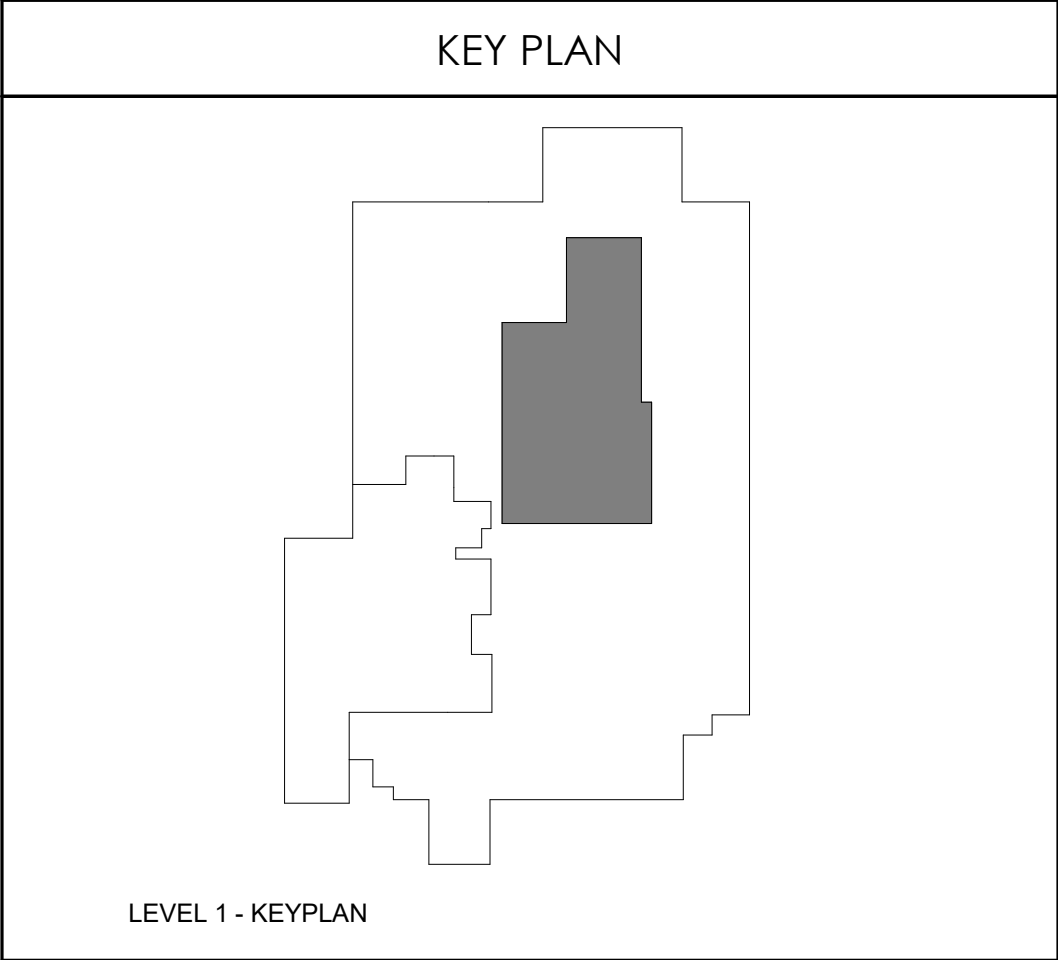
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1 SIGNAGE PLAN - LEVEL 1
3/16" = 1'-0"

LOCATION	QTY.	FLOOR	INT-EXT	TYPE	MESSAGE	SYMBOL	NOTES
LAB							
1	1	1	INT	P1	LAB - AUTHORIZED PERSONNEL ONLY		FACILITY TO CONFIRM VERBIAGE
2	1	1	INT	P	EXIT		
3	1	1	INT	S	RESTROOM	FEMALE/MALE/H ANDICAP	
4	1	1	INT	P	BREAKDOWN/STORAGE		
5	1	1	INT	P3	OFFICE		NAME SLOT
6	1	1	INT	P3	OFFICE		NAME SLOT
7	1	1	INT	S	BLOOD BANK	BIOHAZARD SYMBOL	FACILITY TO CONFIRM VERBIAGE
8	1	1	INT	S	EYE WASH	EYE WASH	
9	1	1	INT	BW	EYE WASH	EYE WASH	
10	1	1	INT	P	EXIT		
11	1	1	INT	P1	LAB - AUTHORIZED PERSONNEL ONLY		FACILITY TO CONFIRM VERBIAGE
	1	1	INT	BW	FIRE EXTINGUISHER		
	1	1	INT	FE	FIRE EVACUATION MAPS		LOCATE AS REQUIRED BY FIRE MARSHAL
PHARMACY							
12	1	1	INT	S	WASTE - AUTHORIZED PERSONNEL ONLY	BIOHAZARD SYMBOL	FACILITY TO CONFIRM NUMBERING AND VERBIAGE
13	1	1	INT	P	EXIT		
14	1	1	INT	P	RECEIVING/BREAKDOWN		
15	1	1	INT	S	WASTE	BIOHAZARD SYMBOL	FACILITY TO CONFIRM NUMBERING AND VERBIAGE
16	1	1	INT	P	RECEIVING/BREAKDOWN		
17	1	1	INT	P3	OFFICE		NAME SLOT
18	1	1	INT	S	HD WORK/STORAGE	BIOHAZARD SYMBOL	FACILITY TO CONFIRM NUMBERING AND VERBIAGE
19	1	1	INT	V	HD STERILE COMP 2		FACILITY TO CONFIRM NUMBERING AND VERBIAGE
20	1	1	INT	V	STERILE COMP 1		FACILITY TO CONFIRM NUMBERING AND VERBIAGE
21	1	1	INT	S	ANTE ROOM	BIOHAZARD SYMBOL	FACILITY TO CONFIRM NUMBERING AND VERBIAGE
22	1	1	INT	P	EXIT	BIOHAZARD SYMBOL	FACILITY TO CONFIRM NUMBERING AND VERBIAGE
23	1	1	INT	P1	PHARMACY - AUTHORIZED PERSONNEL ONLY		FACILITY TO CONFIRM NUMBERING AND VERBIAGE
	1	1	INT	BW	FIRE EXTINGUISHER		BLADE
	1	1	INT	FE	FIRE EVACUATION MAPS		LOCATE AS REQUIRED BY FIRE MARSHAL

SIGN TYPE LEGEND	
V	Sign Type : Vinyl Signs
P	Sign Type : Room Sign
P1	Sign Type : Room ID Sign with Subcopy
P3	Sign Type : Room Sign with Name Inserts
S	Sign Type : Room Sign with symbol
BW	Sign Type : Blade Wall Sign
FE	Sign Type : Fire Evacuation Plan Signs

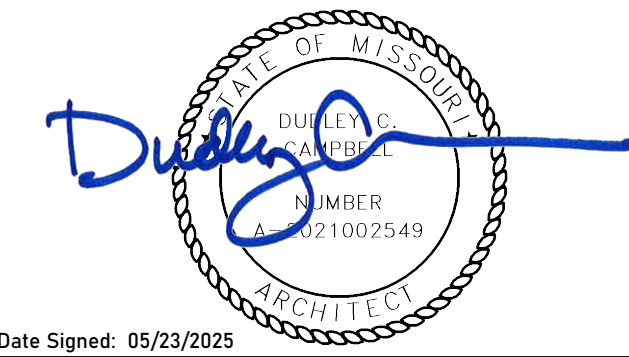


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SIGNAGE PLAN - LEVEL 1

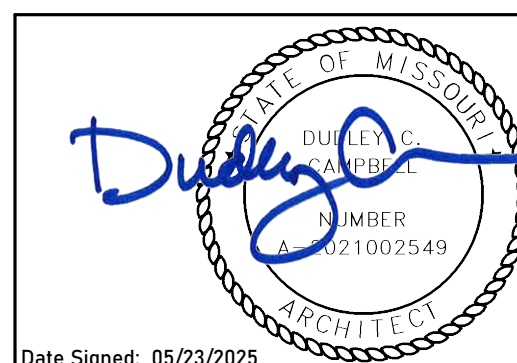
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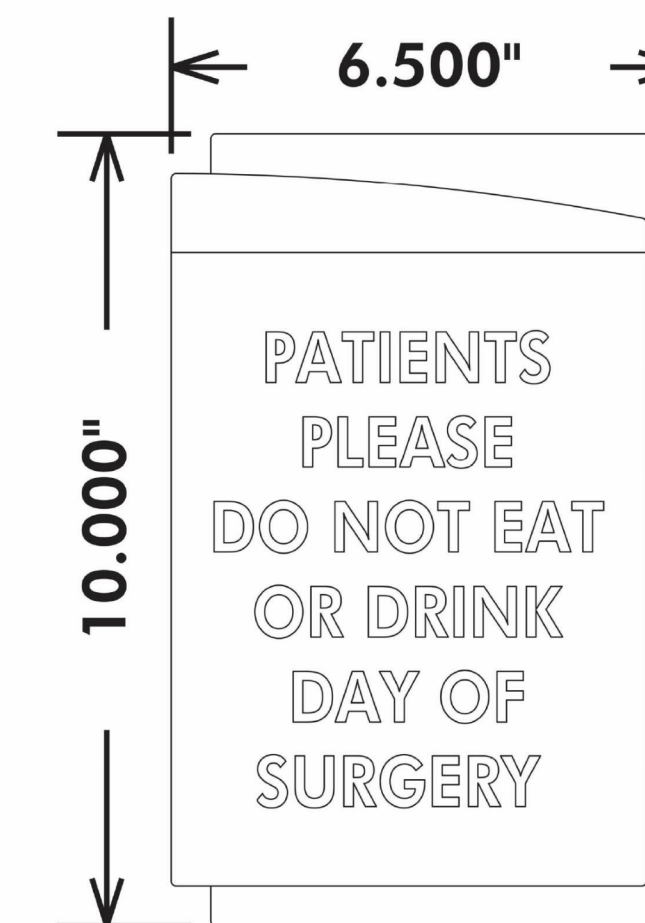
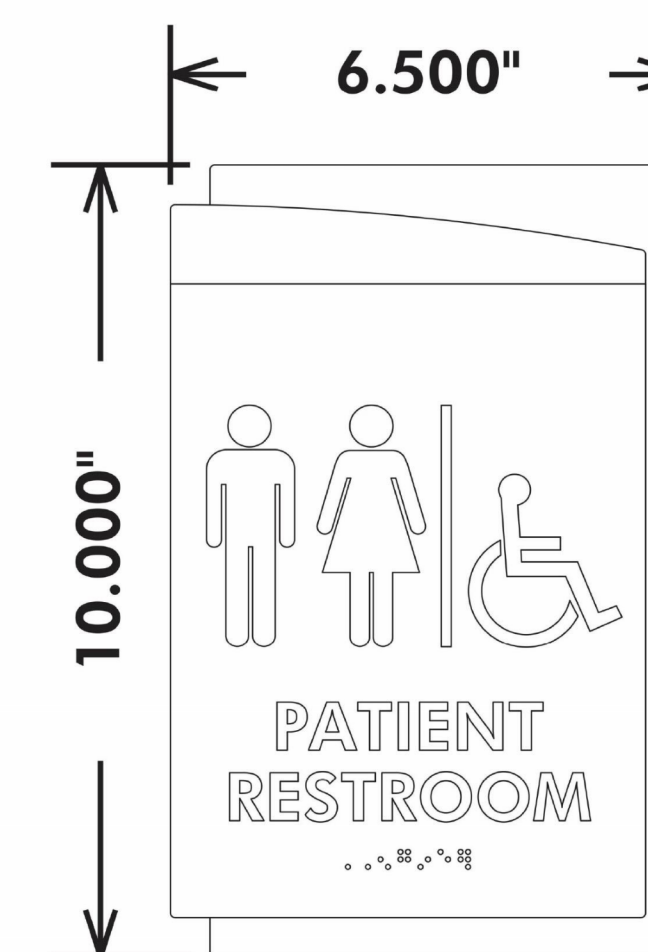
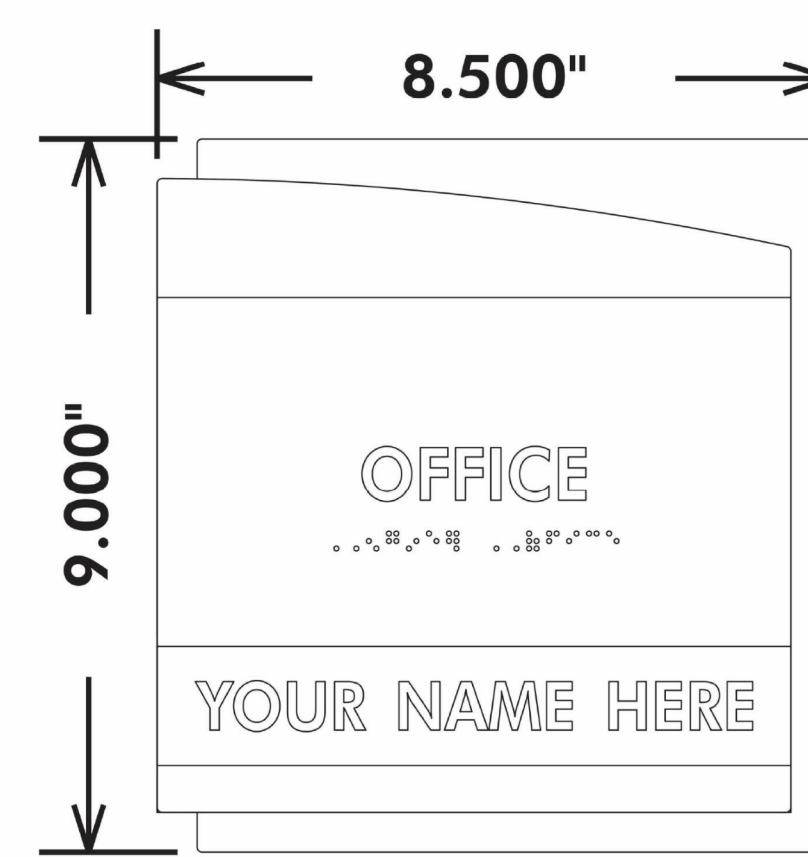
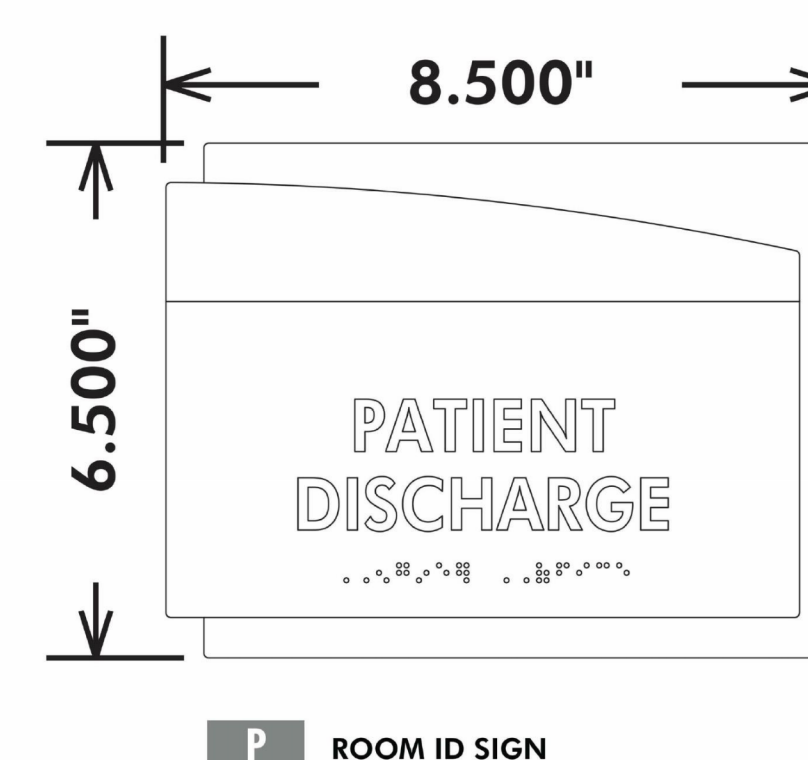
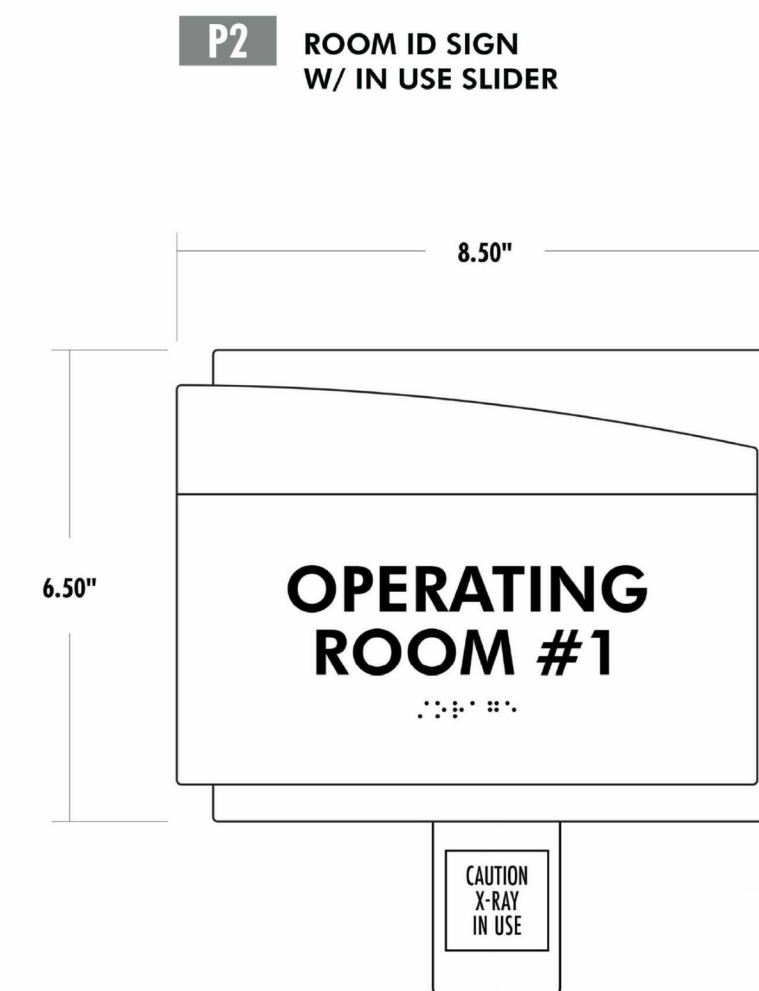
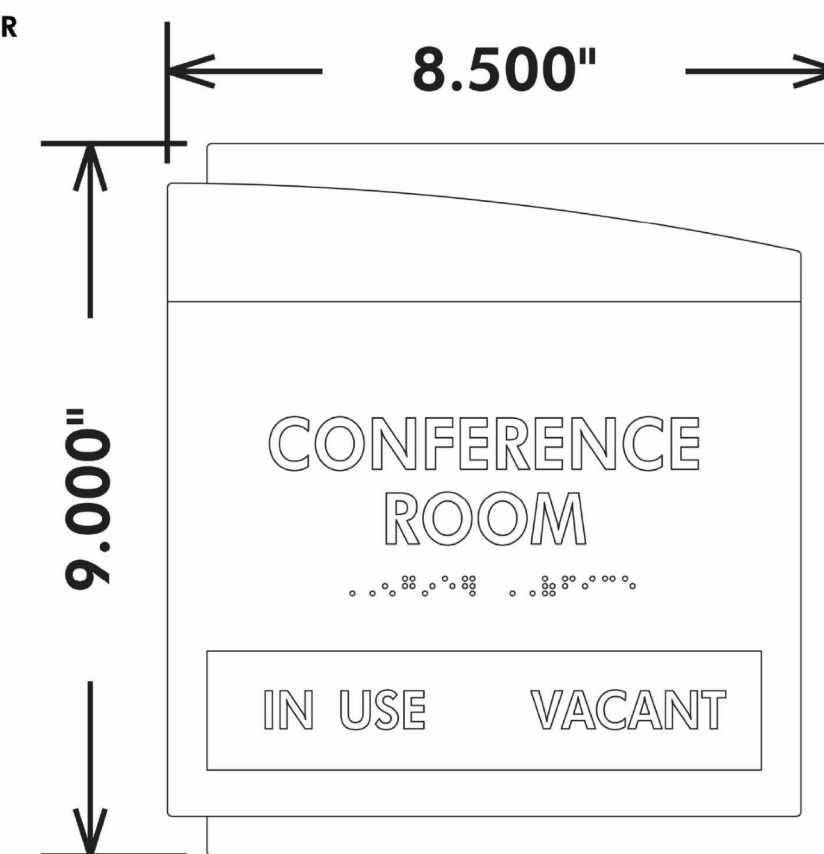
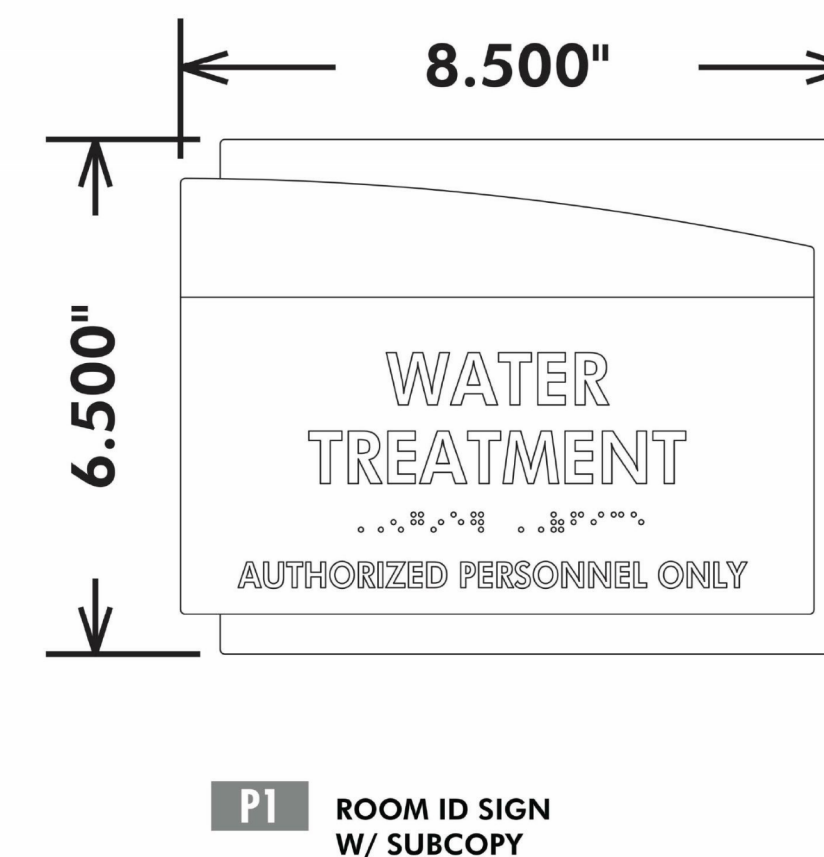
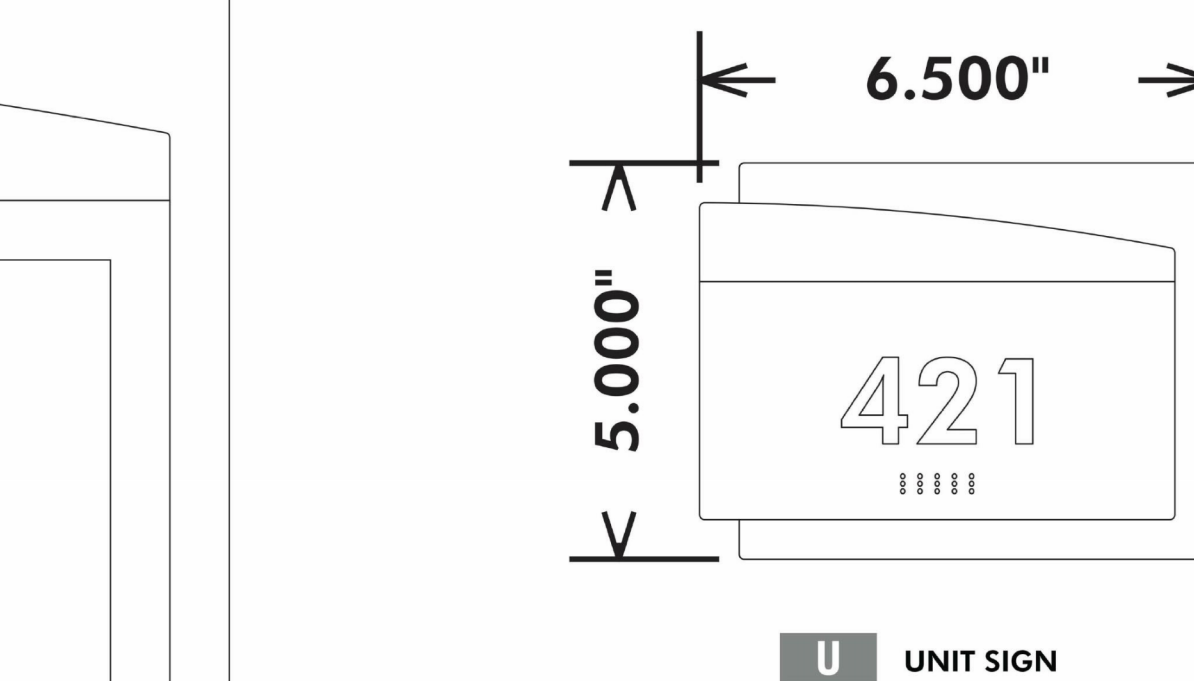
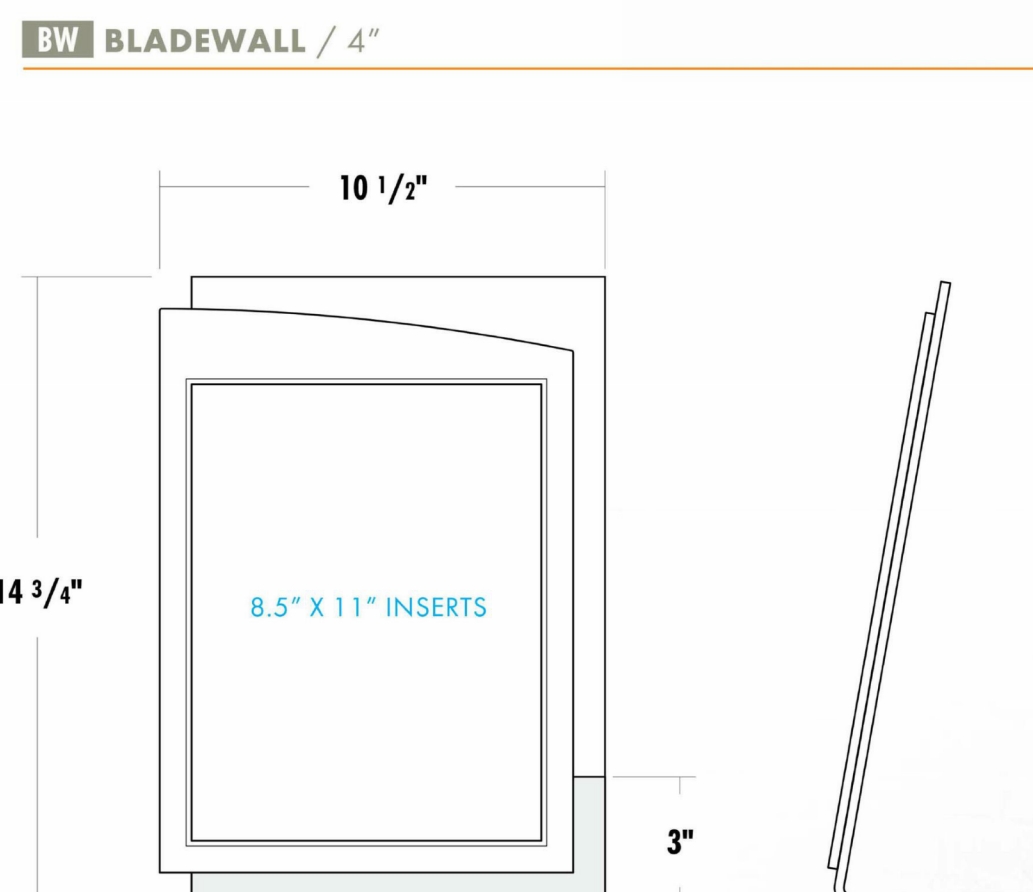
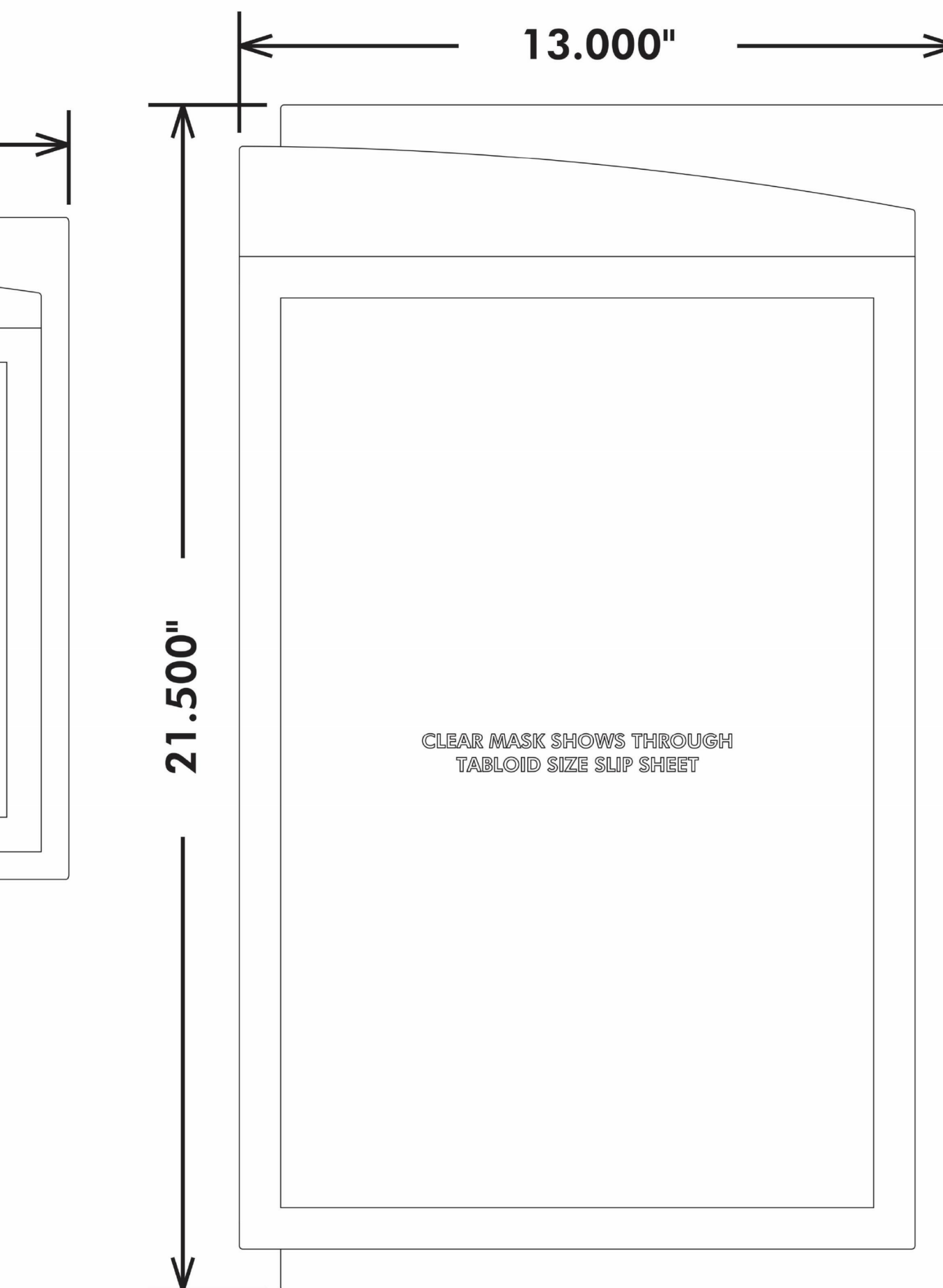
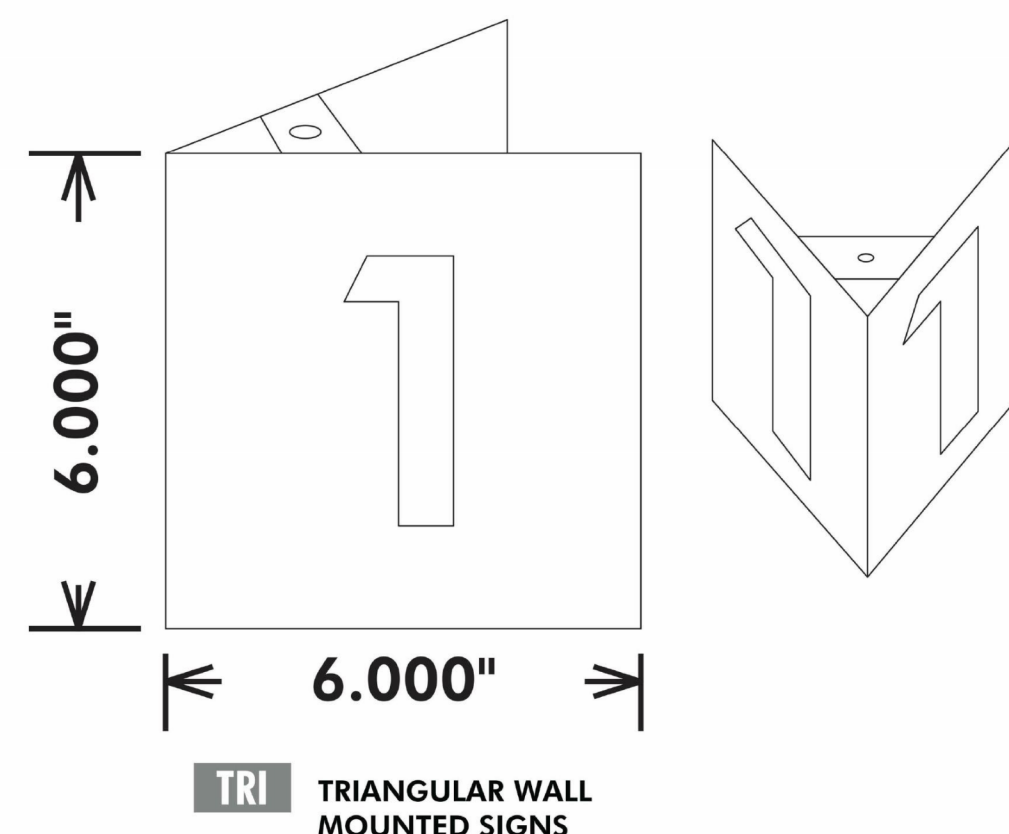
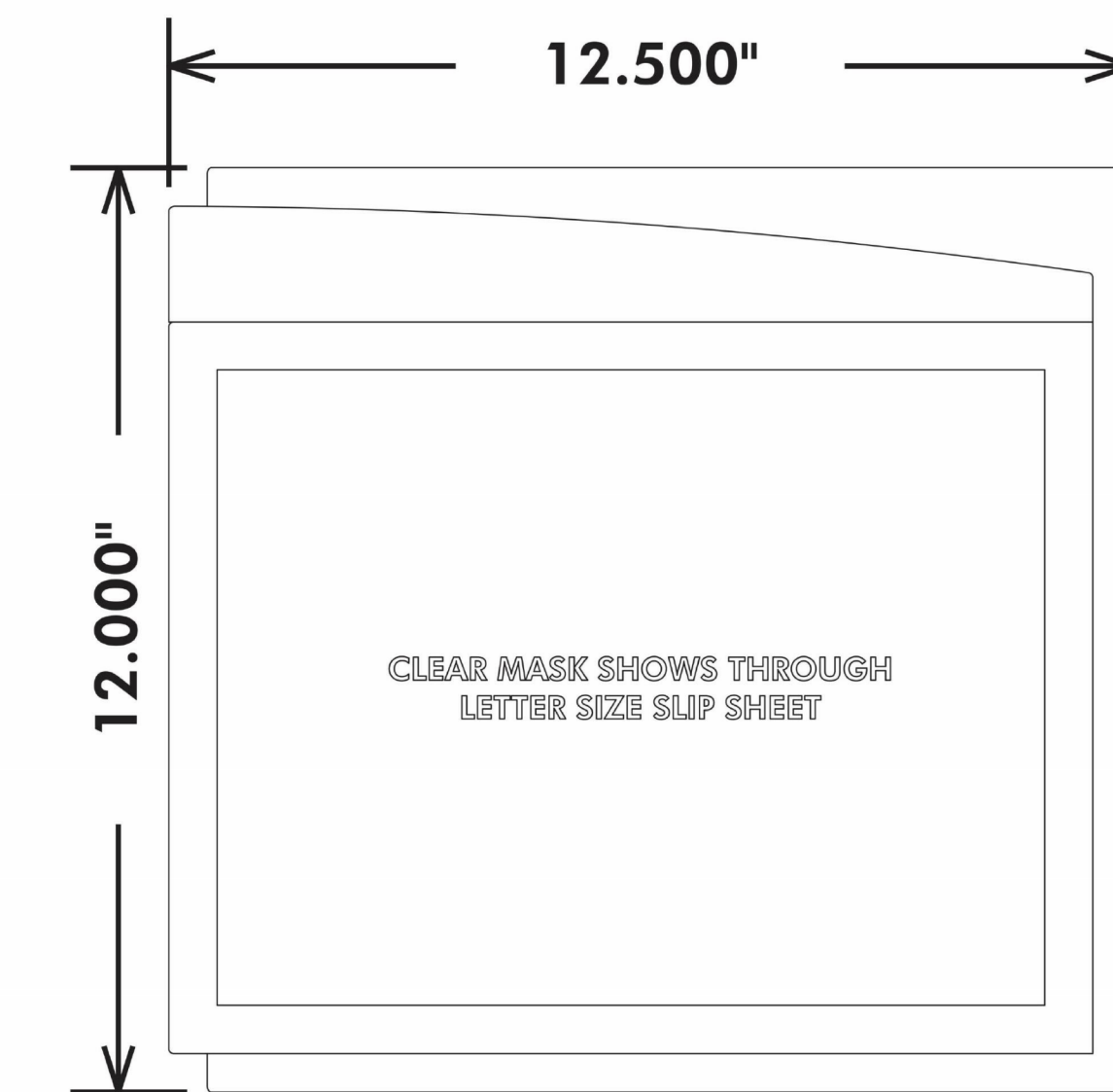
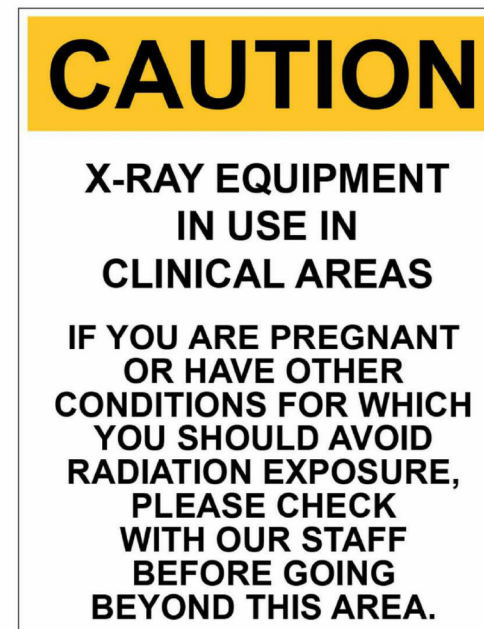
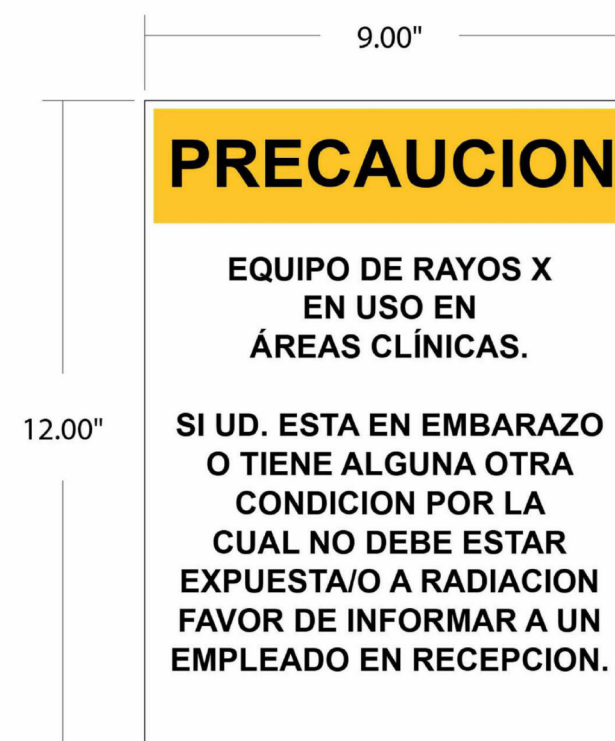
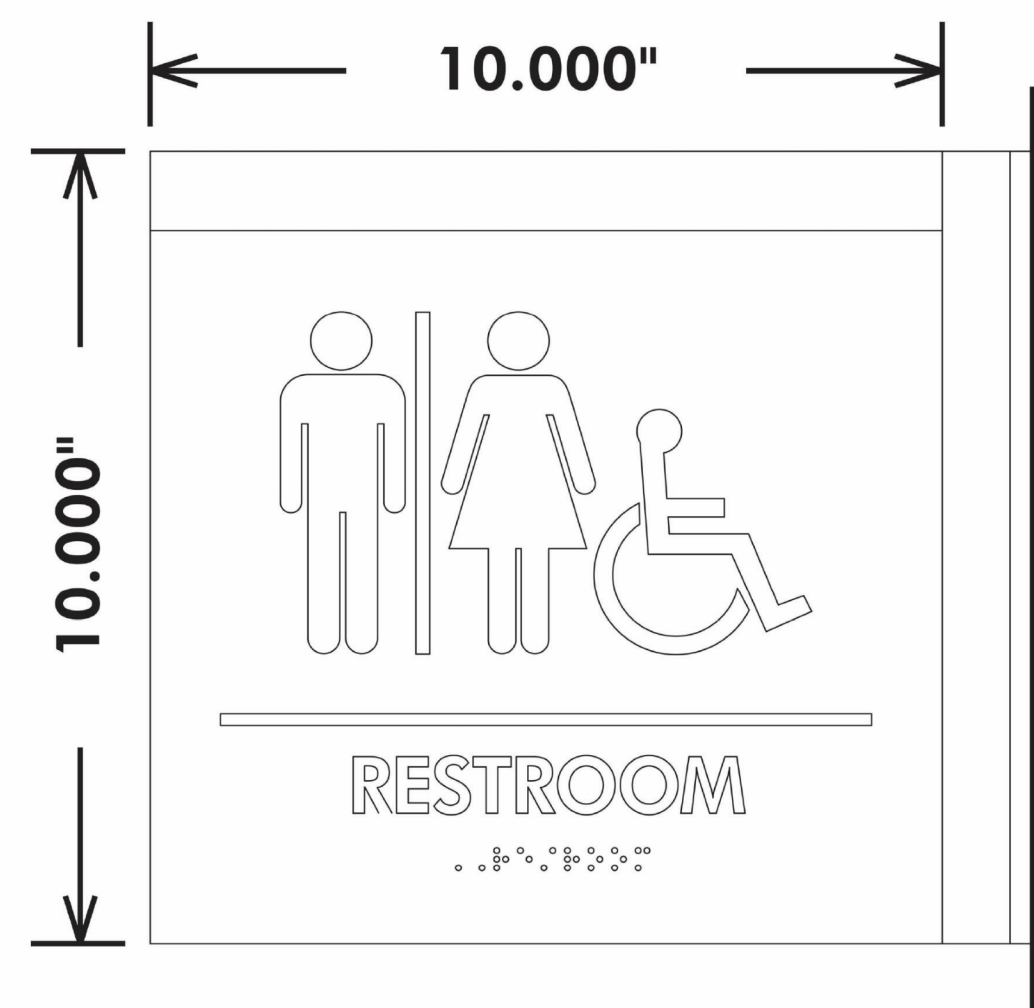
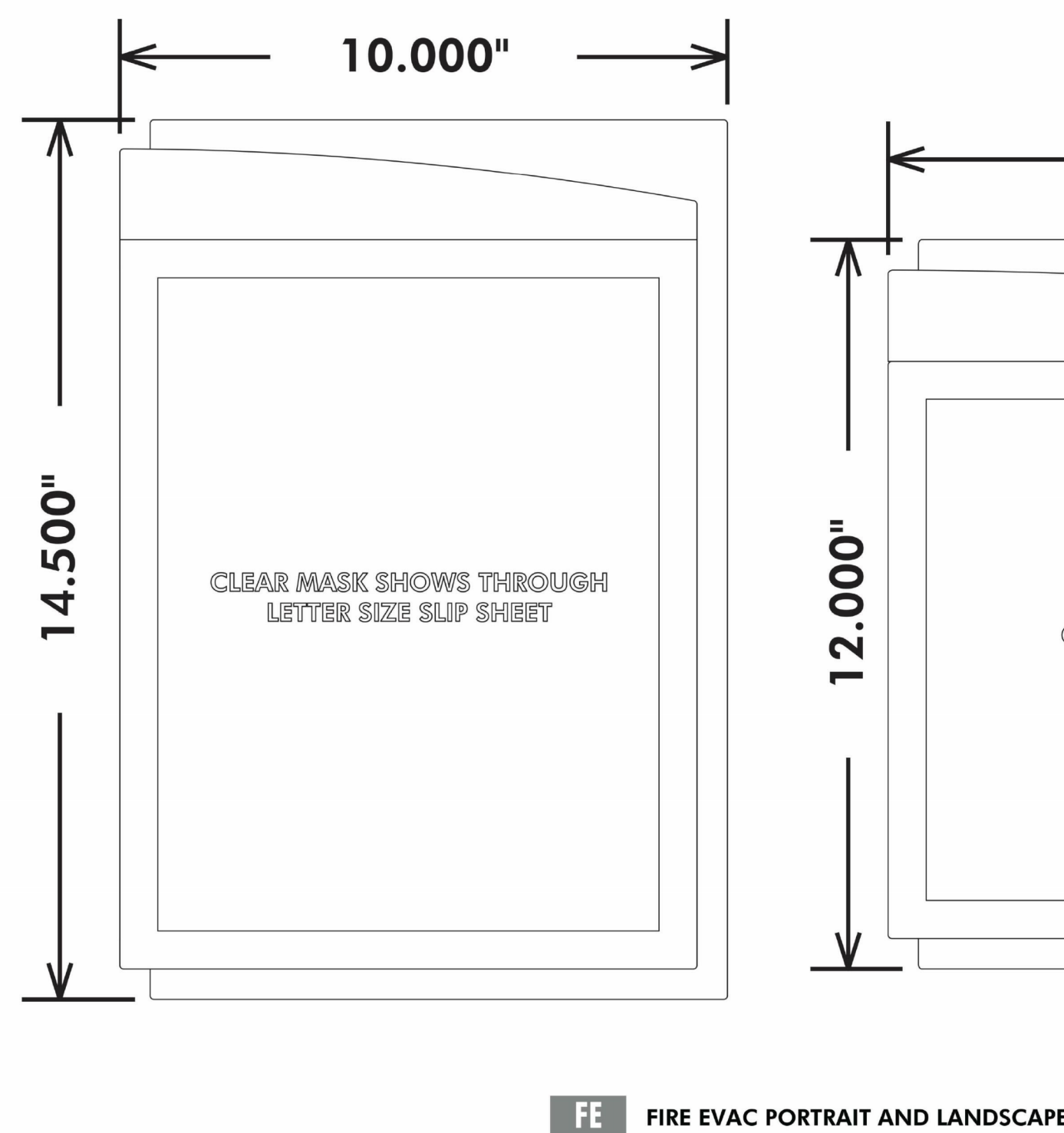
DATE: 05/20/2025
SCALE: PC
DRAWN: PC
REVIEWED: PC
JOB NUMBER: 6406.24

SIGNAGE KEY

AF106

FOR REFERENCE ONLY - SIGNAGE TO MATCH FACILITY STANDARD

STANDARD SYMBOLS



INFORMATIONAL SIGN



Autodesk Docs//Bldg24 - HCA - Lee's Summit Medical Center (LSMC) - r223/LSMC Lab & Pharmacy Renovation IDS - R23 - Lghllyk8SGUvnt

5/22/2025 6:16:23 AM

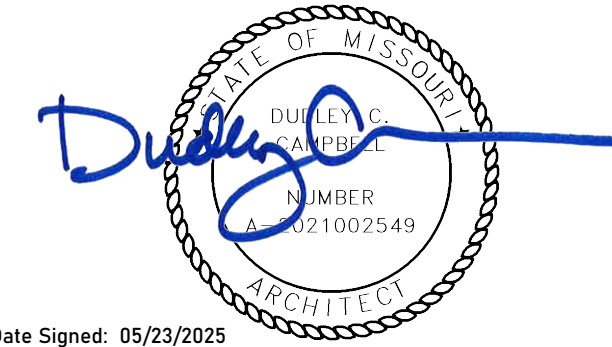


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Date Signed: 05/23/2025

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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/20/2025
SCALE: PC
DRAWN: PC
REVIEWED: 6406.24
JOB NUMBER:

SIGNAGE KEY

AF107

FOR REFERENCE ONLY - SIGNAGE TO MATCH FACILITY STANDARD



PREPARED BY
TONY HATCHELL
BENNU ENTERPRISES, INC.
615.522.4588

DATED 03-22-2017

STANDARD SYMBOLS



STANDARD TYPEFACE
FUTURA HEAVY BT

ABCDEFGHIJ
KLMNOPQR
STUVWXYZ

SIGN FAMILY:

ZEUS

INSTALLATION LOCATIONS

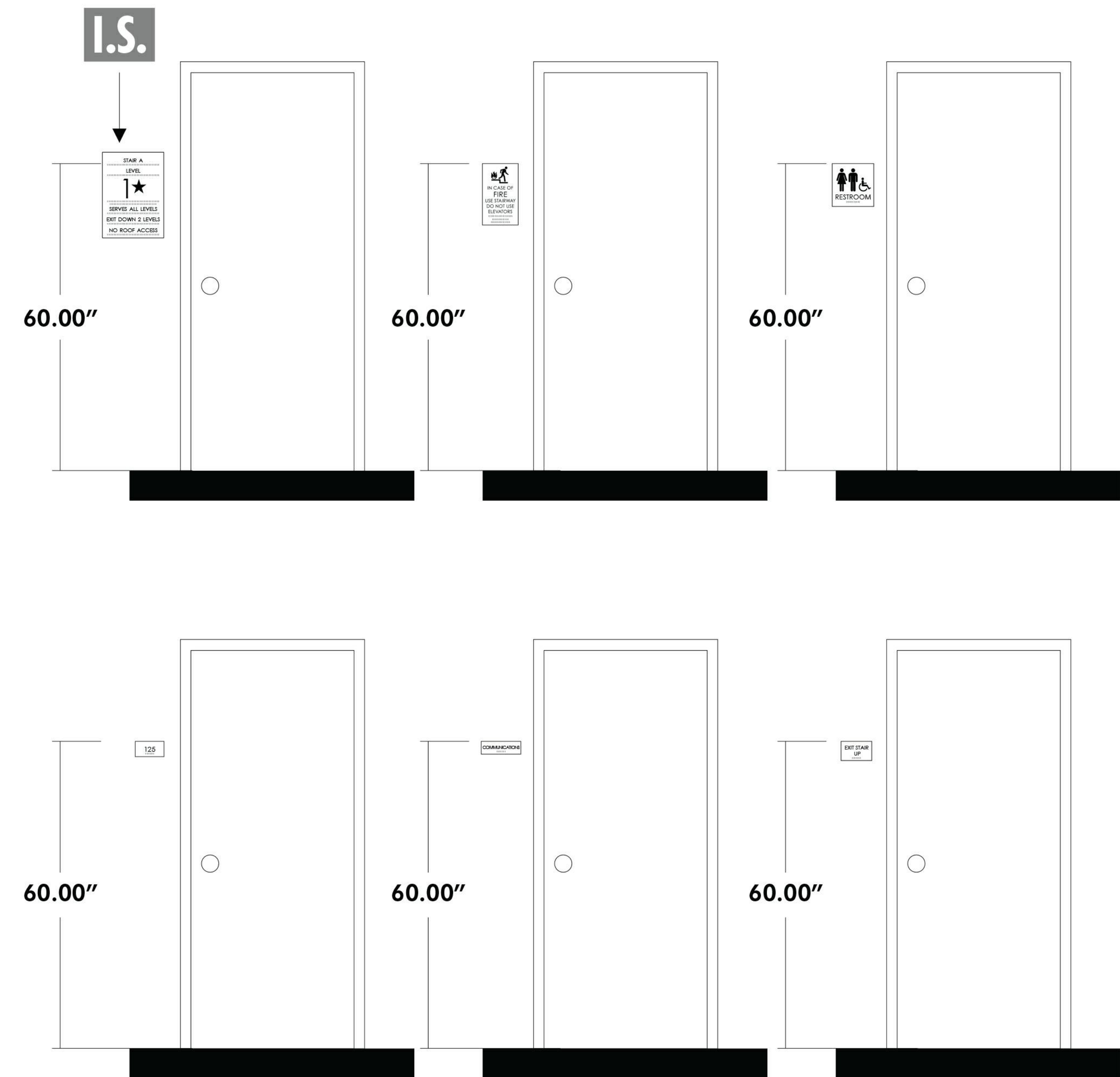
ALL SIGNS TO BE MOUNTED 3" FROM THE EDGE OF THE DOOR FRAME TO THE LEADING EDGE OF THE SIGN UNLESS OTHERWISE OBSTRUCTED BY AN ADJACENT WALL OR OTHER OBSTRUCTION. IN THAT CASE SIGN TO BE CENTERED INTO AREA. IE - IF IT IS TOO TIGHT TO ALLOW THE 3" DISTANCE - AS LONG AS SIGN FITS ON GIVEN WALL AREA IT IS TO GO ON LATCH SIDE AND BE CENTERED ONTO AVAILABLE WALL SPACE.

60.00"
TO TOP OF SIGN

SCALE 3/4" = 1'-0"

ALL ADA SIGNS TO BE INSTALLED ON LATCH SIDE OF DOOR

INSTALL I.S. SIGNS SO
THAT TOP LINE OF
BRAILLE TO BE AT 60"



TYPICAL SIGN PROGRAM PLACEMENTS SHOWN

GENERAL NOTES			PLUMBING NOTES			GENERAL NOTES, CONT.			DEMOLITION NOTES																																																																																																																									
<p>A. ALL PLUMBING WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, THE LEE'S SUMMIT, MISSOURI, PLUMBING AND BUILDING CODES & ORDINANCES, NFPA 13 & 14, THE AMERICAN DISABILITIES ACT, AND THE LIFE SAFETY CODE. IT IS A REQUIREMENT OF THIS CONTRACT THAT THE CONTRACTOR BE EXPERIENCED IN THIS TYPE OF WORK AND BE THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THE APPLICABLE CODES, WHETHER SPECIFICALLY REFERRED TO IN THE DOCUMENTS OR NOT.</p> <p>B. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL NECESSARY FEES FOR THE PLUMBING WORK.</p> <p>C. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO PROVIDE COMPLETE AND WORKING PLUMBING SYSTEMS, AS DESCRIBED IN THE CONTRACT DOCUMENTS, AND FULLY COORDINATED WITH ALL OTHER TRADES.</p> <p>D. REFER TO THE SPECIFICATIONS, THE DRAWINGS AND MANUFACTURERS CUT SHEETS FOR COMPLETE INFORMATION ON MATERIALS AND METHODS REQUIRED TO INSTALL THE PLUMBING SYSTEMS.</p> <p>E. ALL PLUMBING WORK DONE UNDER THIS CONTRACT SHALL BE ACCOMPLISHED IN A SKILLED WORKMANLIKE AND PROFESSIONAL MANNER.</p> <p>F. ALL PLUMBING AND FIRE PROTECTION PIPING SHALL BE INDEPENDENTLY SUPPORTED, AND EACH SUPPORT SHALL BE INDEPENDENT OF PARTITION AND CEILING SYSTEM SUPPORTS. WHERE INDEPENDENT SUPPORT IS NOT POSSIBLE, AN ENGINEERED SUPPORT SYSTEM SHALL BE UTILIZED. HOLD ALL PIPING IN CEILING SPACES HIGH TO STRUCTURE AS POSSIBLE.</p> <p>G. ALL WORK SHALL BE SCHEDULED AND PERFORMED IN COORDINATION WITH ARCHITECTURAL PLANS, PROJECT SCHEDULES AND HOSPITAL OPERATIONS & REQUIREMENTS. COORDINATE ALL REQUIRED SHUT DOWN OF SYSTEMS OR OUT OF PHASE WORK WITH THE OWNERS REPRESENTATIVE & HOSPITAL PERSONNEL.</p> <p>H. THE CONTRACTOR SHALL PROTECT THE PLUMBING EQUIPMENT AND FIXTURES FROM DAMAGE DURING HANDLING AND INSTALLATION AND UNTIL THE PROJECT IS COMPLETED. ANY EQUIPMENT OR FIXTURE THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED, AT THE ARCHITECT AND ENGINEERS DISCRETION, AND AT THE CONTRACTORS EXPENSE.</p> <p>I. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL AND DEBRIS AND CLEAN ALL EQUIPMENT AND FIXTURES UPON COMPLETION OF THE PROJECT.</p> <p>J. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO VERIFY THE EXACT SIZE AND LOCATION OF ALL EXISTING PIPING RELATED TO HIS WORK.</p> <p>K. THE CONTRACTOR SHALL COORDINATE THE PLUMBING WORK WITH ALL OTHER TRADES. WORK SHOWN ON THE DRAWINGS IS INTENDED TO PROVIDE THE OVERALL ENGINEERING DESIGN CONCEPT AND MAY REQUIRE RELOCATIONS, FIELD ADJUSTMENTS OR OFFSETS TO COORDINATE WITH OTHER TRADES AND THE BUILDING STRUCTURE. COSTS FOR ALL SUCH MINOR FIELD ADJUSTMENTS SHALL BE INCLUDED IN THE CONTRACTORS BID.</p> <p>L. IT IS THE REQUIREMENT OF THESE DOCUMENTS TO ALLOW ALL CEILINGS TO BE CONSTRUCTED AT HEIGHTS AS SHOWN ON THE ARCHITECTURAL DRAWINGS. COORDINATE THE LOCATION OF PIPING AND PROVIDE OFFSETS IN PIPING AS REQUIRED TO MEET THIS REQUIREMENT.</p> <p>M. THE CONTRACTOR SHALL PROVIDE DETAILED AND DIMENSIONED PIPING FABRICATION DRAWINGS FOR APPROVAL BY THE ARCHITECT/ENGINEER. ONE BLUE-LINE SET OF THE APPROVED DRAWINGS SHALL BE KEPT ON-SITE AT ALL TIMES AND ANY CHANGES REQUIRED IN THE FIELD SHALL BE MARKED ON THESE DRAWINGS. AT THE END OF THE PROJECT, ALL CHANGES SHALL BE TRANSFERRED TO A REPRODUCIBLE DRAWING TO BE GIVEN TO THE OWNER FOR "AS-BUILT" DRAWINGS. REPRODUCTIONS OF THIS DRAWING WILL NOT BE CONSIDERED AS PIPING FABRICATION DRAWINGS.</p> <p>N. ALL PLUMBING EQUIPMENT OR VALVES REQUIRING ACCESS THAT ARE LOCATED ABOVE GYP. BOARD OR OTHERWISE INACCESSIBLE CEILINGS SHALL BE PROVIDED WITH A CEILING ACCESS PANEL SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THESE ACCESS PANELS WITH THE GENERAL CONTRACTOR.</p> <p>O. LOCATE ISOLATION VALVES FOR EQUIPMENT AND FIXTURES AS CLOSE TO THE MAIN AS POSSIBLE. PROVIDE CEILING OR WALL ACCESS PANELS AS NEEDED.</p>			<p>P. COORDINATE ALL WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS.</p> <p>Q. ALL CONNECTIONS BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS.</p> <p>R. ALL PLUMBING PIPING SHALL BE IDENTIFIED AS DESCRIBED IN THE SPECIFICATIONS.</p> <p>S. ALL PLUMBING VALVES SHALL BE TAGGED AND NOTED ON THE "AS-BUILT" DRAWINGS.</p> <p>T. SLOPE AND ARRANGE WATER PIPING SYSTEMS TO ESTABLISH HIGH POINTS FOR AIR ELIMINATION AND LOW POINTS TO PERMIT PROPER DRAINING OF EACH SECTION.</p> <p>U. COORDINATE ALL PIPING PENETRATIONS THROUGH THE ROOF AND FLOOR WITH THE BUILDING'S STRUCTURE. REFER TO THE PLUMBING PENETRATION DETAILS, THE ARCHITECTURAL DRAWINGS AND THE PLUMBING SPECIFICATIONS FOR SLEEVING AND SUPPORT INFORMATION.</p> <p>V. PROVIDE CLEANOUTS AT THE BASE OF ALL STORM AND SANITARY STACKS AND IN INDIVIDUAL WASTE & VENT STACKS AS SHOWN ON THE RISERS.</p> <p>W. LOCATE VENTS THROUGH THE ROOF AT LEAST 2' AWAY FROM ALL FRESH AIR INTAKES OR BUILDING OPENINGS.</p> <p>X. LOCATE ALL WALL CLEANOUTS 18" ABOVE THE FINISHED FLOOR.</p> <p>Y. PROVIDE BACKFLOW PREVENTION DEVICES APPROVED BY THE AHJ FOR ALL ITEMS OF EQUIPMENT THAT ARE REQUIRED BY THE AHJ TO HAVE CROSS CONTAMINATION PROTECTION, WHETHER SHOWN ON THE DRAWINGS OR NOT.</p> <p>Z. PROVIDE A PRV AT THE DOMESTIC WATER SERVICE ENTRANCE TO LIMIT WATER SYSTEM PRESSURE TO THE BUILDING TO 80 PSI.</p> <p>AA. RUN ALL PIPING IN WALLS, CHASES AND ABOVE THE CEILING. PROVIDE CHROME PLATED PIPING WHERE EVER PIPING HAS TO BE EXPOSED.</p> <p>BB. PROVIDE DRIP PANS UNDER PLUMBING LINES WERE REQUIRED BY CODE AND/OR THE OWNER.</p> <p>CC. PROVIDE ACCESS TO ALL VALVES AND TRAP PRIMERS.</p>			<p>A. ALL SECTIONS OF PLUMBING PIPING THAT ARE SHOWN TO BE DEMOD SHALL BE REMOVED BACK TO MAINS, OR NEAREST ACTIVE LINES, AND CAPPED OR PLUGGED SO THAT NO DEAD ENDS ARE CREATED.</p> <p>B. ALL DEMOLITION WORK SHALL BE SCHEDULED AND PERFORMED IN STRICT COORDINATION WITH ARCHITECTURAL PHASING PLANS, HOSPITAL SCHEDULES, AREA OCCUPANCIES AND OTHER TRADES.</p> <p>C. ALL DEMOLISHED ITEMS THAT ARE NOT RETAINED BY THE OWNER AND ARE NOT CALLED OUT TO BE REINSTALLED BY THE CONTRACT DOCUMENTS SHALL BE DISPOSED OF LEGALLY.</p> <p>D. ANY EXISTING PLUMBING RISERS EXPOSED BY THE REMOVAL OF EXISTING WALLS OR CHASES SHALL BE RELOCATED TO A NEARBY LOCATION AS NOTED ON THE DRAWINGS OR AS APPROVED BY THE ARCHITECT.</p> <p>E. THE CONTRACTOR SHALL REPLACE ALL DAMAGED CEILING TILES AND REPAIR ALL DAMAGED WALL FINISHES DURING DEMOLITION WORK.</p> <p>F. PROVIDE ADDITIONAL VALVES, FITTINGS AND/OR PIPING AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE AND INSIDE OF THE AREA WHERE WORK IS BEING PERFORMED.</p> <p>G. INFORMATION PROVIDED ON THESE DRAWINGS HAS BEEN TAKEN FROM DESIGN DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PRICING AND COMMENCEMENT OF WORK.</p> <p>H. ALL EXISTING PIPING THAT IS CAPPED OFF OR PLUGGED DURING DEMOLITION SHALL BE CHECKED FOR LEAKS.</p> <p>I. PROVIDE AND INSTALL ALL NECESSARY PIPING AND ACCESSORIES REQUIRED TO MAINTAIN SERVICE TO ALL "EXISTING TO REMAIN" FIXTURES AND EQUIPMENT THAT MAY BE INTERRUPTED DURING DEMOLITION.</p> <p>J. WHERE EXISTING MECHANICAL EQUIPMENT IS DEMOLISHED, REMOVE ALL RELATED PLUMBING TO THE EQUIPMENT AND THEIR ASSOCIATED PIPING BACK TO THE POINT OF ORIGIN.</p> <p>K. ANY FLOOR DRAIN OR FLOOR SINK INDICATED TO BE REMOVED SHALL BE REMOVED COMPLETELY.</p> <p>L. EXISTING FIXTURES AND EQUIPMENT NOT INDICATED TO BE REMOVED SHALL REMAIN IN USE.</p>																																																																																																																												
			<p>PLUMBING ABBREVIATIONS</p> <table><tr><td>ABV</td><td>ABOVE</td><td>GPM</td><td>GALLONS PER MINUTE</td></tr><tr><td>AFF</td><td>ABOVE FINISHED FLOOR</td><td>GW</td><td>GREASE WASTE</td></tr><tr><td>AFG</td><td>ABOVE FINISH GRADE</td><td>HB</td><td>HOSE BIBB</td></tr><tr><td>AP</td><td>ACCESS PANEL</td><td>HD</td><td>HUB DRAIN</td></tr><tr><td>AD</td><td>AREA DRAIN</td><td>HW</td><td>HOT WATER</td></tr><tr><td>BFF</td><td>BELOW FINISH FLOOR</td><td>HWR</td><td>HOT WATER RETURN</td></tr><tr><td>B/G</td><td>BELOW GRADE</td><td>I.E.</td><td>INVERT ELEVATION</td></tr><tr><td>BY</td><td>BALANCING VALVE</td><td>L</td><td>LAVATORY</td></tr><tr><td>CA</td><td>COMPRESSED AIR</td><td>LI</td><td>MANHOLE</td></tr><tr><td>CO</td><td>CLEAN OUT</td><td>MS</td><td>MOP SINK</td></tr><tr><td>CSS</td><td>CLINICAL SERVICE SINK</td><td>NC</td><td>NORMALLY CLOSED VALVE</td></tr><tr><td>CW</td><td>COLD WATER</td><td>NO</td><td>NORMALLY OPEN VALVE</td></tr><tr><td>DD</td><td>DECK DRAIN</td><td>NFWH</td><td>NON-FREEZE WALL HYDRANT</td></tr><tr><td>DF</td><td>DRINKING FOUNTAIN</td><td>NFHW</td><td>NON-FREEZE YARD HYDRANT</td></tr><tr><td>DN</td><td>DOWN</td><td>OS&Y</td><td>OUTSIDE STEM AND YOKE</td></tr><tr><td>DS</td><td>DOWNSPOUT</td><td>PD</td><td>PLANTER DRAIN</td></tr><tr><td>DSN</td><td>DOWNSPOUT NOZZLE</td><td>PRV</td><td>PRESSURE REDUCING VALVE</td></tr><tr><td>ESH</td><td>EMERGENCY SHOWER</td><td>TMV</td><td>THERMOSTATIC MIXING VALVE</td></tr><tr><td>EW</td><td>EYE WASH</td><td>T&P</td><td>TEMPERATURE AND PRESSURE VALVE</td></tr><tr><td>EWC</td><td>ELECTRIC WATER COOLER</td><td></td><td></td></tr><tr><td>FCVA</td><td>FLOOR CONTROL VALVE ASSEMBLY</td><td>TP</td><td>TRAP PRIMER</td></tr><tr><td>FCO</td><td>FLOOR CLEANOUT</td><td>V</td><td>VENT PIPING</td></tr><tr><td>FD</td><td>FLOOR DRAIN</td><td>VB</td><td>VACUUM BREAKER</td></tr><tr><td>FS</td><td>FLOOR SINK</td><td>VTR</td><td>VENT THROUGH ROOF</td></tr><tr><td>GC</td><td>GENERAL CONTRACTOR</td><td>WB</td><td>WALL BOX</td></tr><tr><td>GCO</td><td>GRADE CLEANOUT</td><td></td><td></td></tr></table>			ABV	ABOVE	GPM	GALLONS PER MINUTE	AFF	ABOVE FINISHED FLOOR	GW	GREASE WASTE	AFG	ABOVE FINISH GRADE	HB	HOSE BIBB	AP	ACCESS PANEL	HD	HUB DRAIN	AD	AREA DRAIN	HW	HOT WATER	BFF	BELOW FINISH FLOOR	HWR	HOT WATER RETURN	B/G	BELOW GRADE	I.E.	INVERT ELEVATION	BY	BALANCING VALVE	L	LAVATORY	CA	COMPRESSED AIR	LI	MANHOLE	CO	CLEAN OUT	MS	MOP SINK	CSS	CLINICAL SERVICE SINK	NC	NORMALLY CLOSED VALVE	CW	COLD WATER	NO	NORMALLY OPEN VALVE	DD	DECK DRAIN	NFWH	NON-FREEZE WALL HYDRANT	DF	DRINKING FOUNTAIN	NFHW	NON-FREEZE YARD HYDRANT	DN	DOWN	OS&Y	OUTSIDE STEM AND YOKE	DS	DOWNSPOUT	PD	PLANTER DRAIN	DSN	DOWNSPOUT NOZZLE	PRV	PRESSURE REDUCING VALVE	ESH	EMERGENCY SHOWER	TMV	THERMOSTATIC MIXING VALVE	EW	EYE WASH	T&P	TEMPERATURE AND PRESSURE VALVE	EWC	ELECTRIC WATER COOLER			FCVA	FLOOR CONTROL VALVE ASSEMBLY	TP	TRAP PRIMER	FCO	FLOOR CLEANOUT	V	VENT PIPING	FD	FLOOR DRAIN	VB	VACUUM BREAKER	FS	FLOOR SINK	VTR	VENT THROUGH ROOF	GC	GENERAL CONTRACTOR	WB	WALL BOX	GCO	GRADE CLEANOUT			<table><tr><td colspan="2">PROJECT DESIGN CRITERIA</td></tr><tr><td>LOCATION:</td><td>LEE'S SUMMIT, MO</td></tr><tr><td>CITY/STATE:</td><td></td></tr><tr><td>APPLICABLE CODES:</td><td></td></tr><tr><td>BUILDING</td><td>2018 INTERNATIONAL BUILDING CODE</td></tr><tr><td>MECHANICAL</td><td>2018 INTERNATIONAL MECHANICAL CODE</td></tr><tr><td>PLUMBING</td><td>2018 INTERNATIONAL PLUMBING CODE</td></tr><tr><td>FIRE</td><td>2018 INTERNATIONAL FIRE CODE</td></tr><tr><td>ELECTRICAL</td><td>2017 INTERNATIONAL ELECTRICAL CODE</td></tr></table>			PROJECT DESIGN CRITERIA		LOCATION:	LEE'S SUMMIT, MO	CITY/STATE:		APPLICABLE CODES:		BUILDING	2018 INTERNATIONAL BUILDING CODE	MECHANICAL	2018 INTERNATIONAL MECHANICAL CODE	PLUMBING	2018 INTERNATIONAL PLUMBING CODE	FIRE	2018 INTERNATIONAL FIRE CODE	ELECTRICAL	2017 INTERNATIONAL ELECTRICAL CODE
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PLUMBING SYMBOLS			
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER (CW)		PRESSURE GAUGE WITH GAUGE COCK
	DOMESTIC HOT WATER (HW)		THERMOMETER WITH GAUGE COCK
	DOMESTIC HOT WATER RETURN (HWR)		HOSE BIBB (HB)
	NON-POTABLE WATER		FLOOR CLEANOUT OR GRADE CLEANOUT (FCO, GCO)
	TRAP PRIMER LINE (1/2")		WALL CLEANOUT (WCO)
	TEMPERED WATER		CLEANOUT PLUG
	COLD OR HOT REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPZ)		DIRECTION OF SLOPE - GRAVITY PIPING
	EXISTING PIPING TO REMAIN		DIRECTION OF FLOW - PRESSURE PIPING
	EXISTING PIPING TO BE REMOVED		PIPING CAPPED OFF
	SANITARY SEWER/WASTE PIPING		BALANCING VALVE
	SANITARY VENT PIPING		STRAINER
	INDIRECT WASTE		SHOCK ARRESTOR
	CONNECT NEW TO EXISTING		HUB DRAIN (HD)
	STORM DRAIN PIPING		FLOOR DRAIN (FD)
	OVERFLOW STORM DRAIN PIPING		LEGEND NOTE
	COMPRESSED AIR PIPING		FUEL OIL SUPPLY PIPING
	GREASY WASTE		FUEL OIL RETURN PIPING
	SUBSOIL/PERIMETER DRAIN PIPING		DRY FIRE STANDPIPE PIPING
	ACID WASTE		SPRINKLER PIPING
	ACID VENT		DRY SPRINKLER PIPING
	BUTTERFLY VALVE		FIRE PROTECTION PIPING
	BALL VALVE		CONNECT TO EXISTING
	GLOBE VALVE		DEMOLISH TO
	TEMPERATURE AND PRESSURE RELIEF VALVE		
	GAS COCK / PLUG VALVE		
	SOLENOID VALVE		
	PRESSURE REGULATING VALVE		
	AQUASTAT		
	CHECK VALVE		
	GATE VALVE		

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PE-2021039309
05/23/2025
WSP USA Buildings Inc. 2013001881

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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	05/23/2025
SCALE:	1/8" = 1'-0"
DRAWN:	WSP
REVIEWED:	WSP
JOB NUMBER:	6406.24

GENERAL INFORMATION - PLUMBING

P00-00

Autodesk Docx/6406.24 - HCA - Lee's Summit Medical Center (LSMC)_r723/MEP_LSMC Lab & Pharmacy Renovation.r23.rvt 5/22/2025 9:01:08 AM

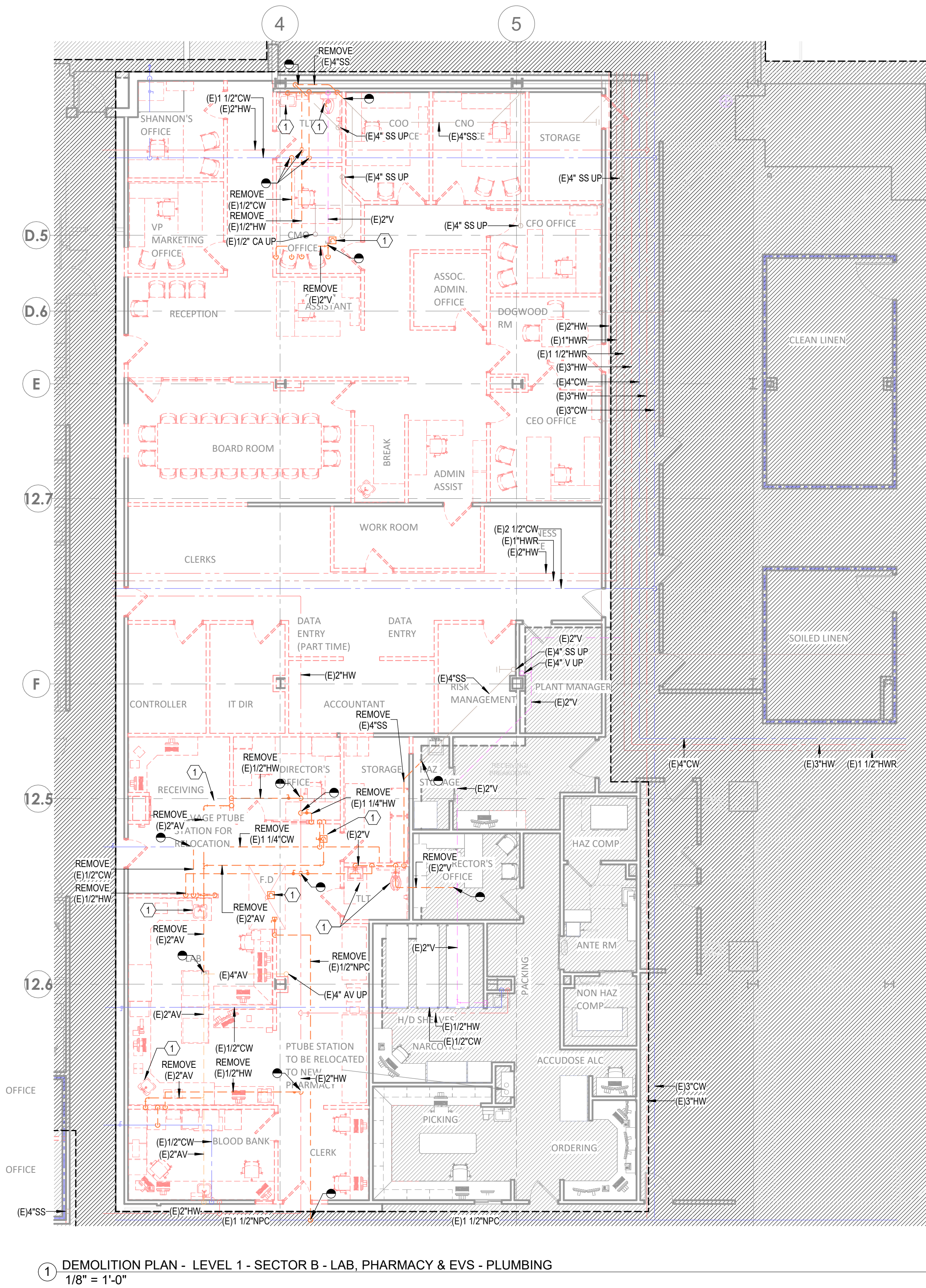
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

GENERAL NOTES

A. REFER TO PD02-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

1. EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING TO BE DEMOLISHED. REMOVE EXISTING PIPING SERVING PLUMBING FIXTURE BACK TO MAINS AND CAP.



1 DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - PLUMBING
1/8" = 1'-0"

LEVEL 1 - KEY PLAN

SECTOR B

Devenney GROUP
Devenney Group Ltd., Architects
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Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER
PE-2021039300
05/23/2025
WSP USA Buildings Inc. 2013001881

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LAB & PHARMACY RENOVATION

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DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - PLUMBING

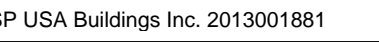
PD02-01

Autodesk Docx//6406.24 - HCA - Lee's Summit Medical Center (LSMC) - 1/23/2025 - Lab & Pharmacy Renovation - 1/23/2025
5/22/2025 9:01:18 AM
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A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

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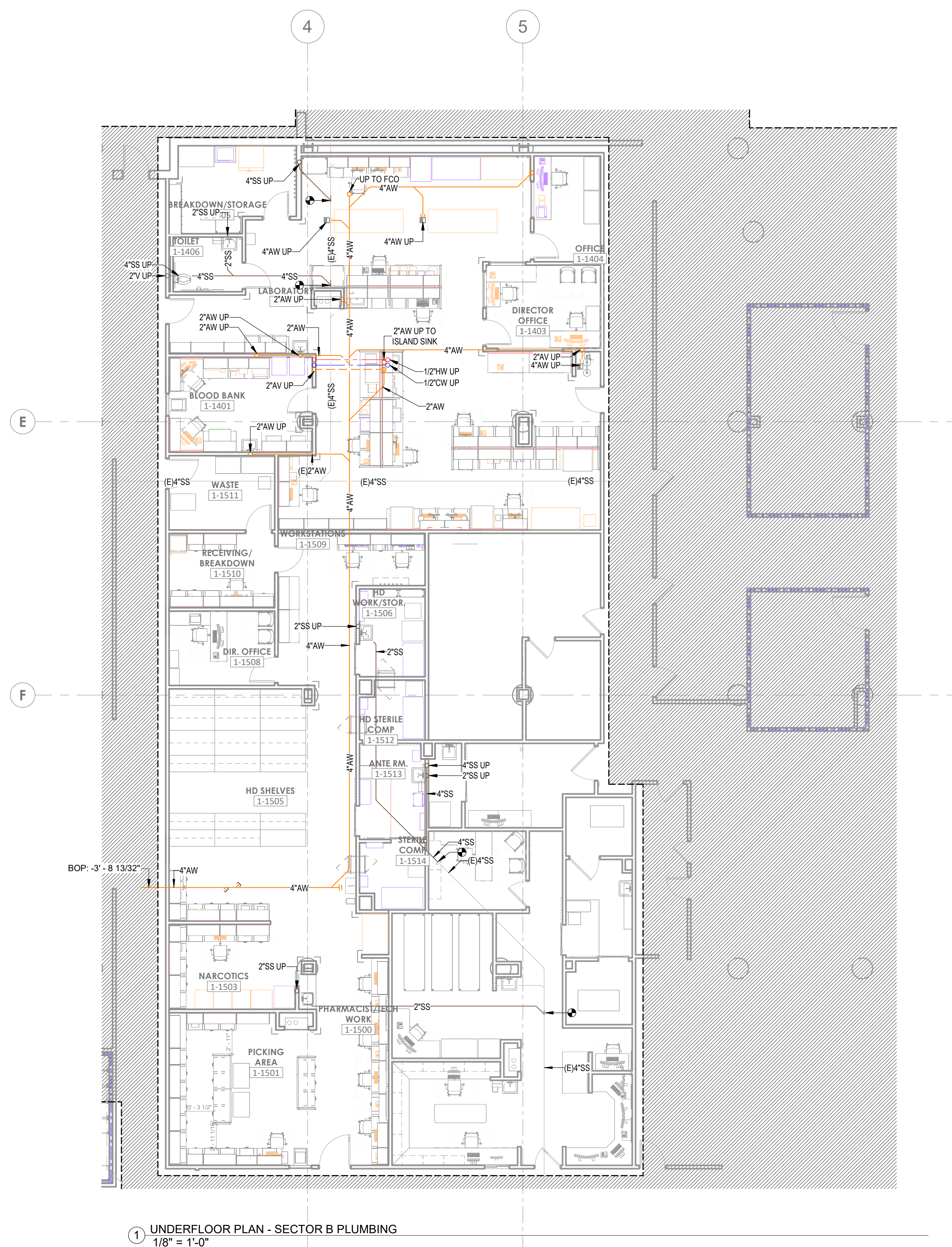
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AGENCY APPROVALS:

REVISIONS		
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P02-00



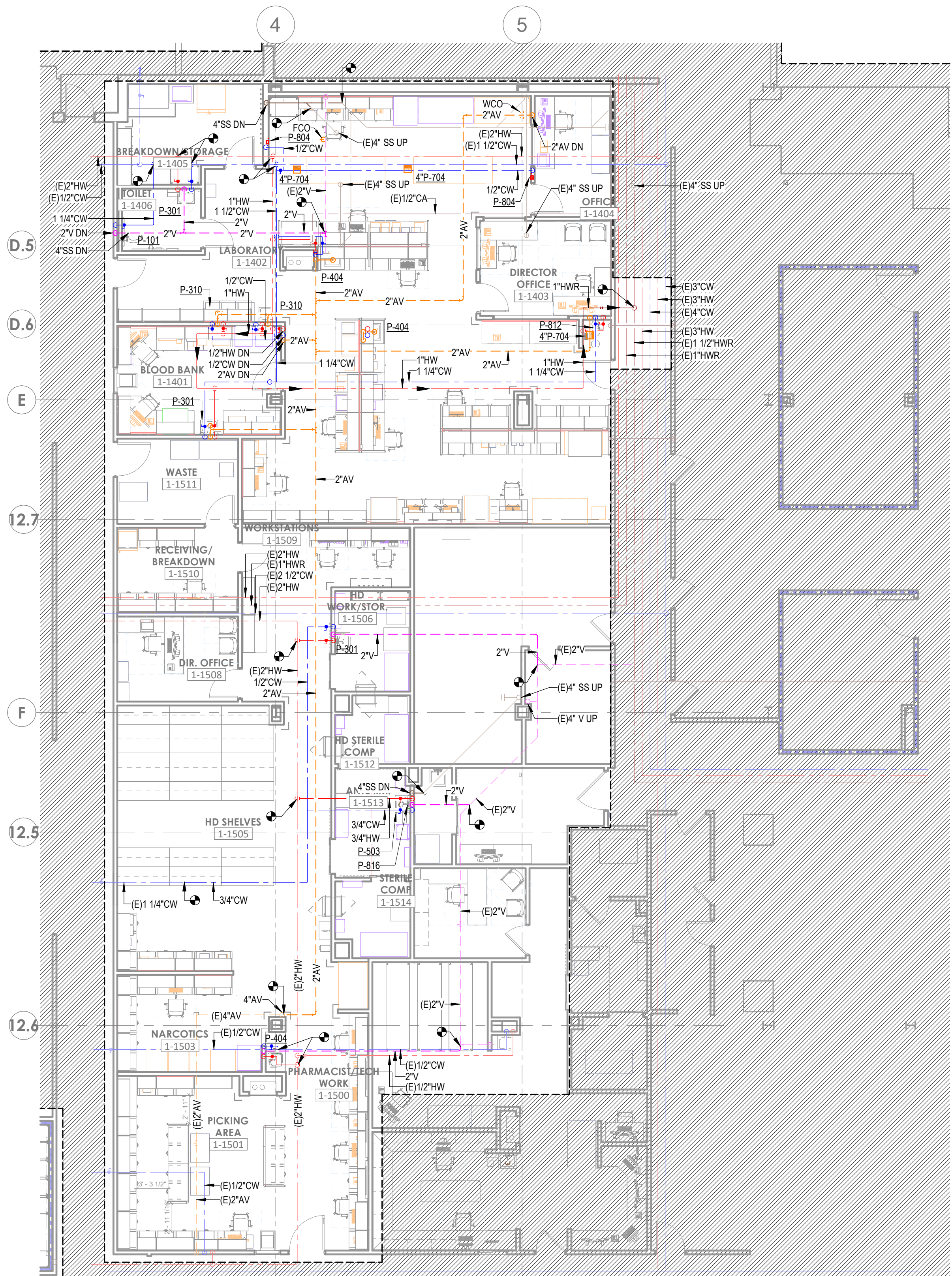
1 UNDERFLOOR PLAN - SECTOR B PLUMBING
1/8" = 1'-0"

LEVEL 1 - KEYPLAN

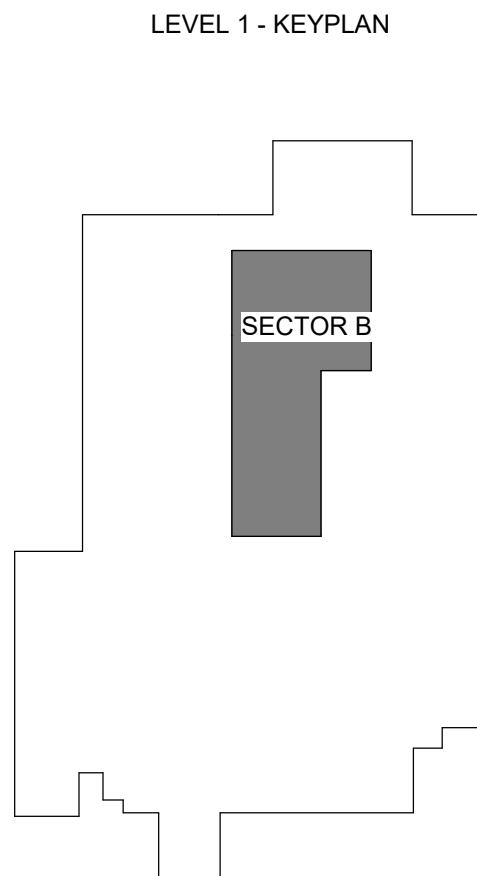
SECTOR B

GENERAL NOTES

A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

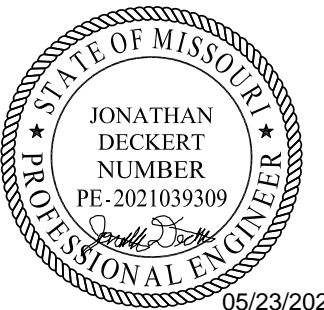


1 FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - PLUMBING
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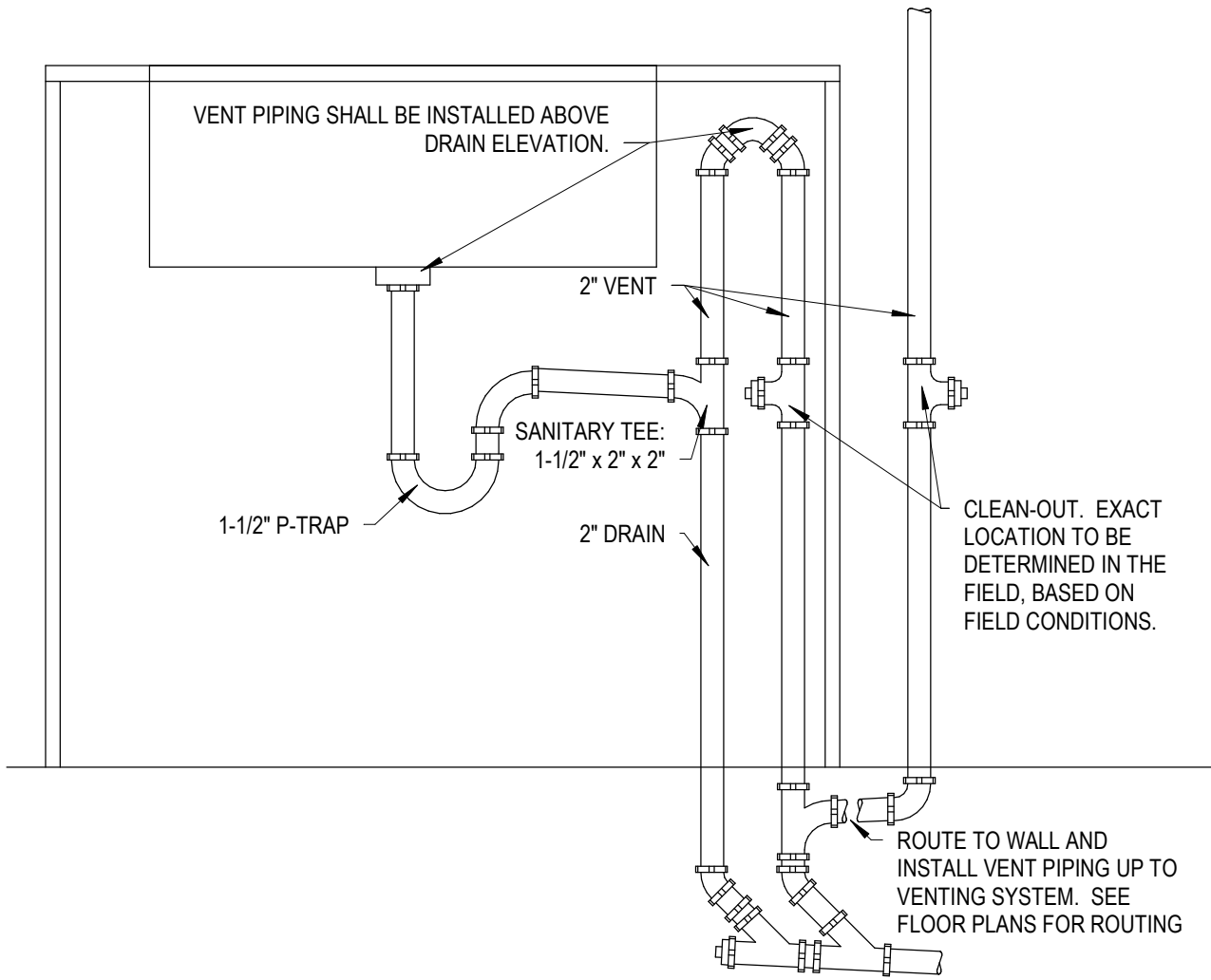
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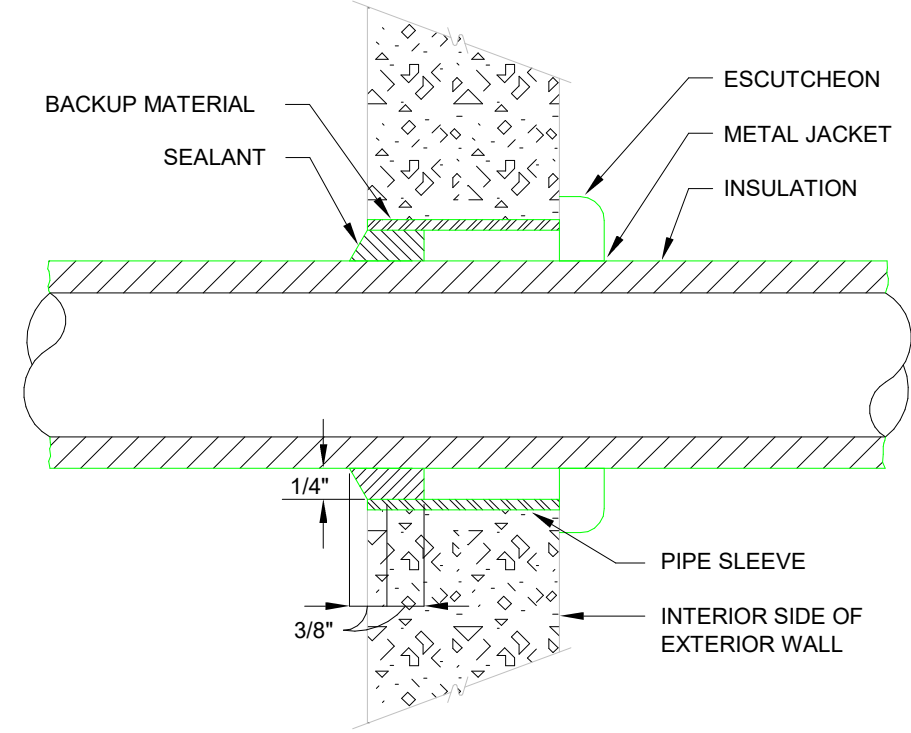
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FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - PLUMBING

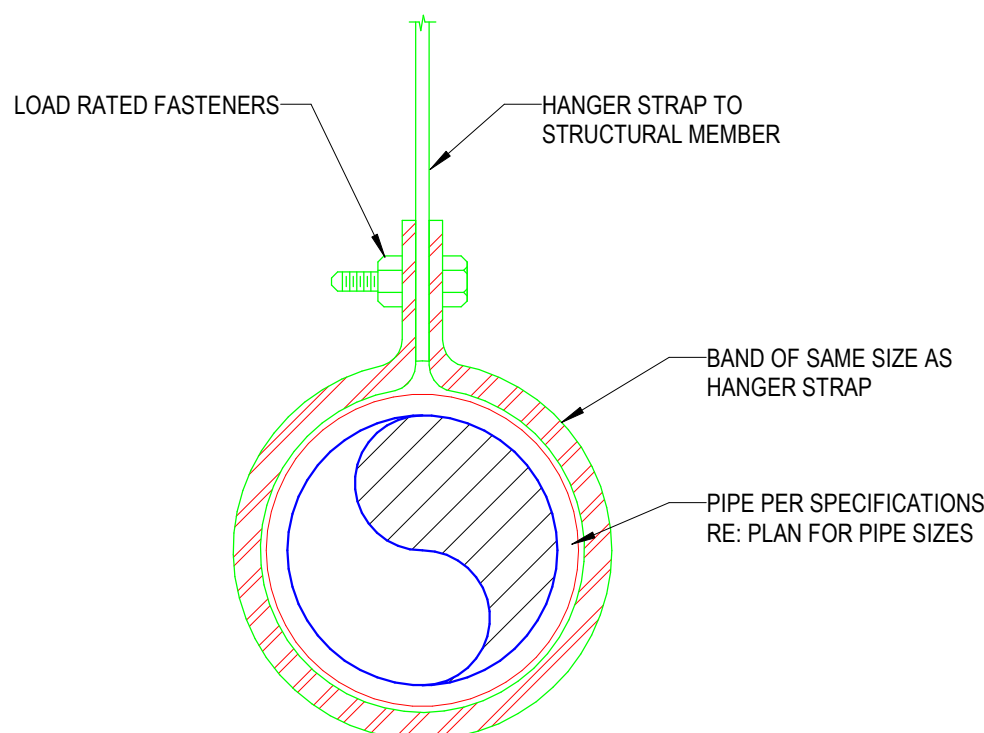
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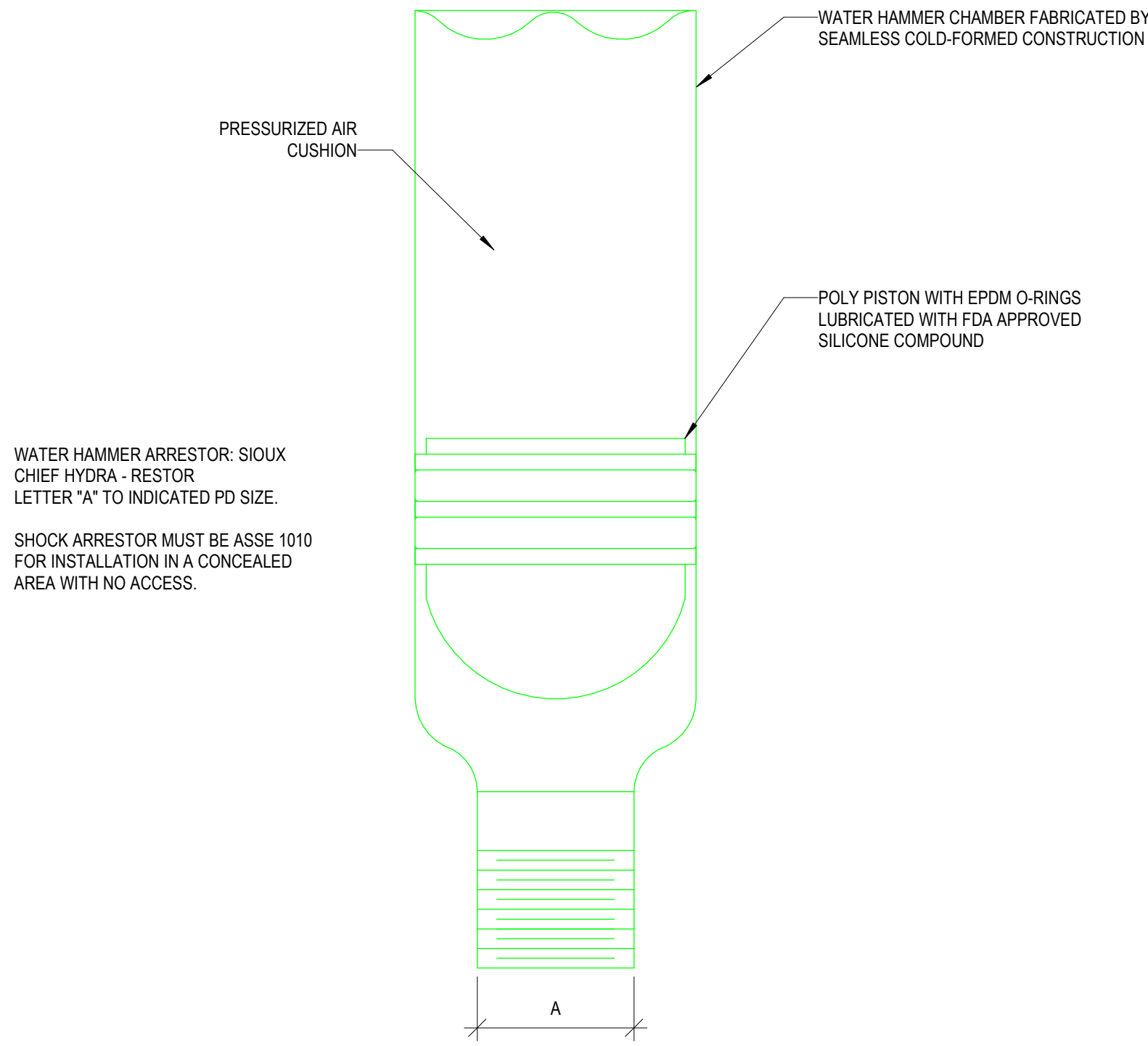
6 ISLAND SINK VENT
NOT TO SCALE



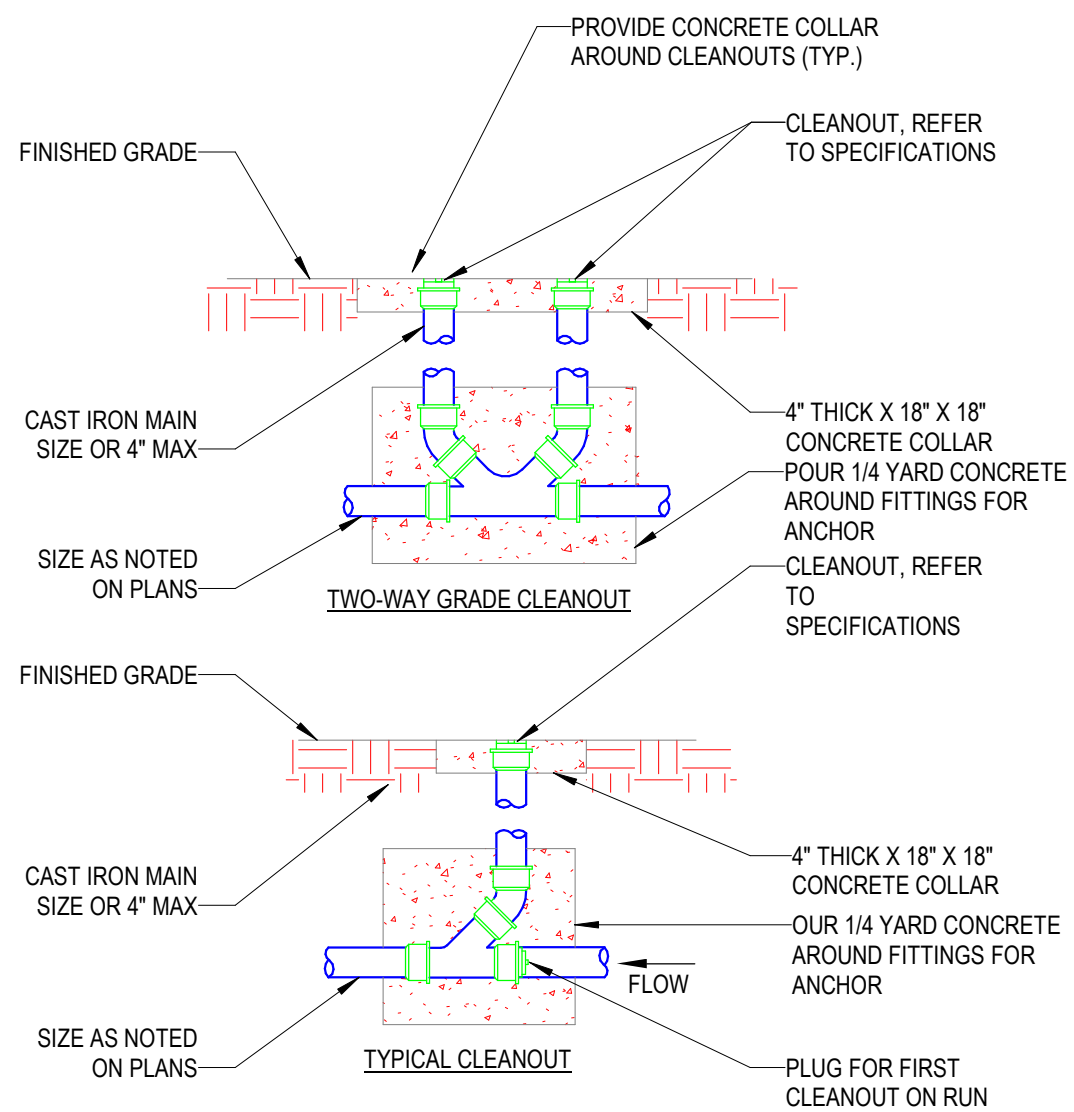
3 INSULATED PIPE THRU WALL - ABOVE GRADE
NOT TO SCALE



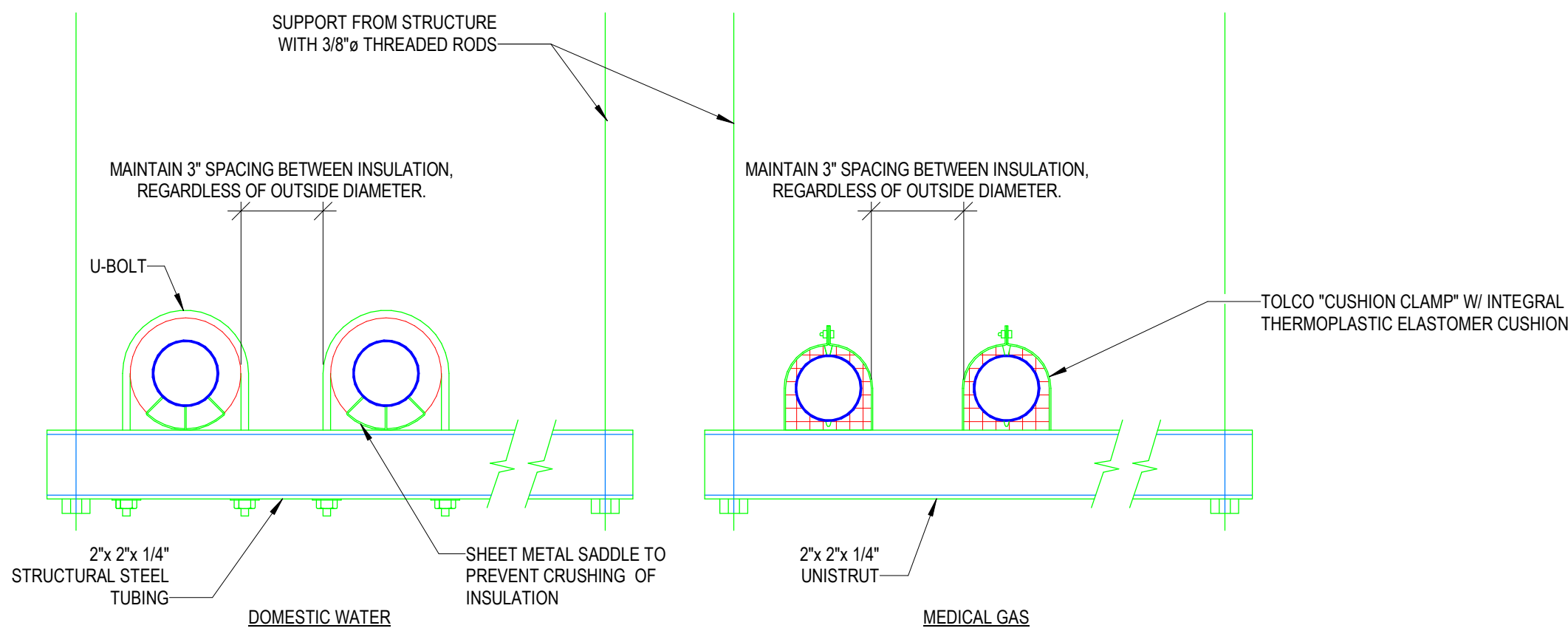
5 PIPE HANGER/SUPPORT DETAIL
NOT TO SCALE



2 WATER HAMMER ARRESTOR (PISTON TYPE) DETAIL
NOT TO SCALE



4 CLEANOUT DETAILS
NOT TO SCALE

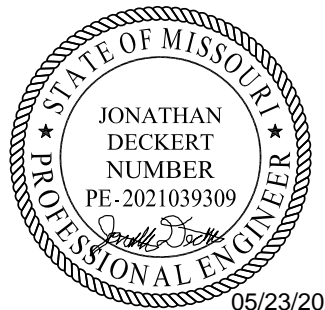


1 TRAPEZE PIPE HANGER DETAILS
NOT TO SCALE



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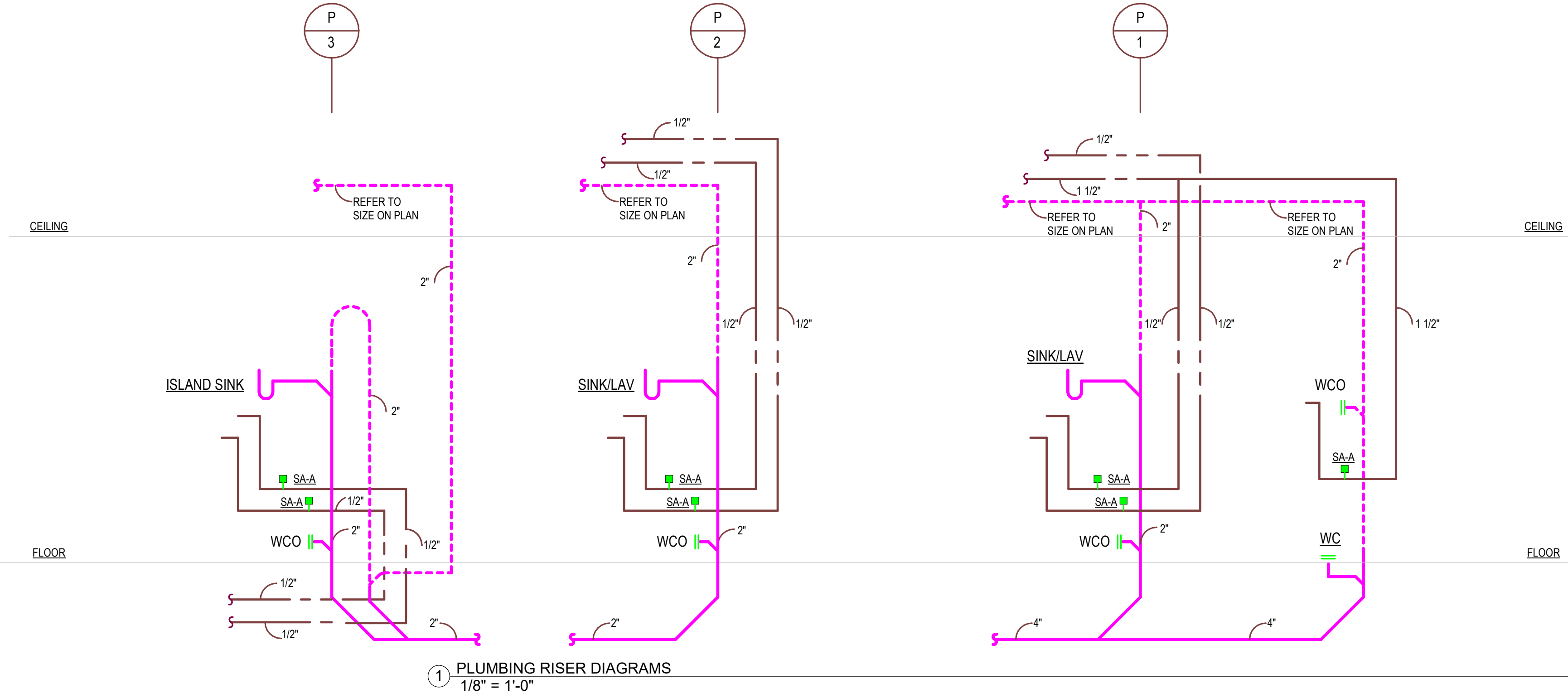
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DETAILS - PLUMBING

P07-01

PLUMBING FIXTURE						
HCA DESIG.	FIXTURE TYPE	SAN/SEWER	VENT	COLD WATER	HOT WATER	DESCRIPTION
P-101	WATER CLOSET ADA COMPLIANT PUBLIC	4"	2"	1"	-	WATER CLOSET: ZURN MODEL No. Z5665-BWL-1 (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, FLOOR MOUNTED, 10" ROUGHING-IN, LOW CONSUMPTION 1.1 GALLONS PER FLUSH, ELONGATED BOWL, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1/2" TOP SPUD FLUSH VALVE: ZURN MODEL No. Z-6000-AV-HET, HIGH EFFICIENCY (HET) 1.28 GPF, VACUUM BREAKER FLUSH CONNECTION, 1" I.P.S. BACK-CHECK ANGLE STOP, DIAPHRAGM TYPE MANUAL FLUSH VALVE, CHROME PLATED, VANDAL RESISTANT STOP CAP SEAT: PROFLO MODEL No. PFTSCOF2000WH, WHITE OPEN SEAT FRONT LESS COVER, WITH SELF SUSTAINING CHECK HINGE
P-104	WATER CLOSET ADA COMPLIANT PATIENT OFFSET	4"	2"	1"	-	WATER CLOSET: ZURN MODEL No. Z5666-BWL-B&A-M (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, 10" ROUGHING-IN, 1.28 GPF HIGH-EFFICIENCY FLOOR MOUNTED TOILET, ELONGATED BOWL, WITH BED PAN LUGS, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1/2" TOP SPUD FLUSH VALVE: ZURN MODEL No. Z-6011-AV-B&W-WST, BEDPAN WASHER, 1.6 GPF, EXPOSED, QUIET DIAPHRAGM TYPE, CHROME PLATED, FLUSHOMETER VALVE WITH A POLISHED EXTERIOR, CHLORAMINE RESISTANT, DUAL, SEAL DIAPHRAGM WITH CLOSURE RESISTANT, TRIPLE FILTERED BY-PASS, ADA COMPLIANT WITH A NON-HOLD OPEN AND NO LEAK HANDLE FEATURE, BEDPAN WASHER ASSEMBLY WITH OFFSET FLUSH TUBE, WALL BRACKET AND SUPPORT ROD, HIGH BACK PRESSURE VACUUM BREAKER, ONE-PIECE BOTTOM HEX COUPLING NUT, ADJUSTABLE TAILPIECE 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP, OFFSET FOR ADA APPLICATIONS, SPUD COUPLING AND FLANGE FOR 1/2" TOP SPUD SEAT: PROFLO MODEL No. PFTSCOF2000WH, WHITE OPEN SEAT FRONT LESS COVER, WITH SELF SUSTAINING CHECK HINGE
P-301	LAVATORY - WALL HUNG ADA COMPLIANT PUBLIC	2"	2"	1/2"	1/2"	LAVATORY: ZURN MODEL No. Z5348 WALL HUNG LAVATORY, VITREOUS CHINA FAUCET: ZURN MODEL No. Z87144-XL 6" FIXED CENTERS RIGID OR SWING GOOSENECK SPOUT, WITH 0.5 GPM FLOW CONTROL IN BASE OF SPOUT, WITH 4" WRISTBLADE HANDLES MIXING VALVE: WILKINS MODEL No. ZV3870XL-T-4PC 3/8" POINT OF USE THERMOSTATIC MIXING VALVE 4-PORT, ASSE 1070 LISTED STRAINER AND TAILPIECE: PROFLO MODEL No. PFGD100 1-1/4" X 6" CP GRID DRAIN AND TAILPIECE P-TRAP: PROFLO MODEL No. PPTP18400 1-1/4" CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND AND No. PF2020WH TRAP WRAP KIT STOPS AND RISERS: TWO PFXQ4C32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS, TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS, AND TWO PROFLO PFX146342 12" 3/8" FLEX RISERS CARRIER: ZURN MODEL Z1231 FLOOR MOUNTED CARRIER
P-310	LAVATORY - WALL HUNG FAUCET/EYEWASH COMBINATION ADA COMPLIANT	2"	2"	1/2"	1/2"	LAVATORY: LAVATORY, WALL HUNG, FAUCET/EYEWASH COMBINATION, ZURN MODEL No. Z5348 20X18 WALL MOUNT VITREOUS CHINA LAVATORY FAUCET AND MIXING VALVE: SPEARMAN MODEL No. SEF 1800-CALF-TW EYEWASH FAUCET AND MIXING VALVE, RIGID GOOSENECK SPOUT WITH INDEPENDENTLY OPERATED EYEWASH, WITH 1.5 GPM LAMINAR FLOW CONTROL, WITH 4" WRISTBLADE HANDLES STRAINER AND TAILPIECE: PROFLO MODEL No. PFGD100 1-1/4" X 6" CP GRID DRAIN AND TAILPIECE P-TRAP: PROFLO MODEL No. PPTP18400 CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND AND No. PF2020WH TRAP WRAP KIT STOPS AND RISERS: TWO PROFLO PFXQ4C32C 3/8 OD COMPRESSION LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PROFLO PFE7 5/8 OD CHROME ESCUTCHEONS AND TWO PROFLO PFX146324 SS BRAIDED SUPPLY LINES CARRIER: ZURN MODEL Z1231 WALL CARRIER
P-404	SINK SINGLE COMPARTMENT ADA COMPLIANT	2"	2"	1/2"	1/2"	SINK: ELKAY MODEL L84D-1918-553 TYPE 304 NIKEL BEARING STAINLESS STEEL, SELF RIMMING, 19-1/2" X 19" X 5-1/2" DEPTH ADA COMPLIANT WITH OFF-CENTERED OUTLET TO THE REAR, BOWL SIZE 19" X 15-1/2", 3-1/2" DRAIN AND "SOUND GUARD" UNDERCOATING FAUCET: ZURN MODEL No. Z7870C-XL-C, 8" FIXED CENTERS SINGLE HANDLE KITCHEN FAUCET, WITH 2.2 GPM FLOW RATE STRAINER/TAILPIECE: PROFLO MODEL No. PF1510AC BASKET DRAIN WITH 1-1/2" 20 GAUGE TAILPIECE P-TRAP: PROFLO MODEL No. PPTP18403 1-1/2" 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND STOPS AND RISERS: TWO PFXQ4C32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS
P-503	SCRUB SINK SENSOR OPERATED	2"	2"	1/2"	1/2"	SINK: ZURN MODEL Z5468-M VITREOUS CHINA SCRUB SINK, CONCEALED WALL HANGERS AND SUPPORT BRACKETS FAUCET: ZURN MODEL No. Z6920-XL-ADM2-H4-FC1.5 ADA COMPLIANT, BATTERY POWERED, CHROME PLATED SENSOR FAUCET, FLOW RATE 1.5 GPM FLOW CONTROL IN BASE OF SPOUT, OCCUPANT DETECTION INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR 30 SECOND TIME OUT FEATURE, SPOUT MODULE CHROME PLATED CAST BRASS, IN-LINE FILTER, ABOVE DECK MAKER WITH WRIST BLADE HANDLE AND 8" COVER PLATE STRAINER/TAILPIECE: ZURN MODEL No. Z5460-DRAIN-02 CP STRAINER WITH TAILPIECE P-TRAP: PROFLO MODEL No. PPTP18403 CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND STOPS AND RISERS: TWO PFXQ4C32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS CARRIER: ZURN Z1224-2 CARRIER WITH BEARING PLATE ASSEMBLY
P-704	FLOOR SINK	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZN-1901-NL-KC, SANI-FLOOR RECEPTOR 12" x 12" x 8" DEEP CAST IRON BODY, MED-LOC, SQUARE, LIGHT-DUTY RULL GRATE WITH 1/2" SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL, INTERIOR AND TOP, COMPLETE WITH WHITE ABS ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER
P-710	ROOF DRAIN	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZA-100-NH-DR, 15" DIAMETER ROOF DRAIN, DURA-COATED IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE NO-HUB ALUMINUM DOME
P-711	OVERFLOW DRAIN	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZA-100-NH-DR-WG, 15" DIAMETER ROOF DRAIN, DURA-COATED IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE NO-HUB ALUMINUM DOME AND 2" INTERNAL WATER DRAIN
P-724	DOWNSPOUT NOZZLE	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZARB199-IP-SS, ALL PLAIN BRONZE BODY DOWN SPOUT NOZZLE WITH THREADED INLET AND REMOVABLE STAINLESS SCREEN
P-804	ICE MAKER BOX	-	-	1/2"	-	OATEY MODEL 39140 20 GAUGE STEEL ICE MAKER BOX WITH 1/4 TURN BALL VALVE AND WATER HAMMER ARRESTOR, LOW LEAD COMPLIANT
P-812	EMERGENCY SHOWER AND EYEWASH	-	-	1-1/4"	1"	SHOWER/EYEWASH: BRADLEY MODEL S19314EW STANDARD COMBINATION DRENCH SHOWER/EYEWASH, STAY OPEN SHOWER VALVE OPERATES QUICKLY BY A PULL ROD WITH A TRIANGULAR HANDLE, 3" DIAMETER YELLOW PLASTIC SHOWERHEAD WITH INTEGRAL 22 GPM FLOW CONTROL, EYEWASH OPERATED BY AND ERGONOMIC, HIGHLY VISIBLE PUSH HANDLE, INTEGRAL 5 GPM FLOW CONTROL AND FLIP TOP DUST COVERS, INTEGRAL STRAINER REDUCES DEBRIS IN THE WATER AND ALSO PREVENTS CLOGGINGS MIXING VALVE: BRADLEY S19-2100 THERMOSTATIC MIXING VALVE, INTEGRAL STRAINER CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT, COLD WATER BY-PASS, DIAL THERMOMETER
P-816	EMERGENCY EYEWASH	-	-	3/4"	3/4"	EYEWASH: BRADLEY MODEL S1944011ABC, WALL MOUNTED HAND HELD EMERGENCY EYEFACE WASH, STAYS OPEN CONTROL VALVE, REINFORCED THERMOPLASTIC 12" HOSE, DUAL SPRAY HEADS WITH DUST COVERS, FLOW RATE: 3.9-5.9 GPM MIXING VALVE: BRADLEY S19-2000 THERMOSTATIC MIXING VALVE, CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT, COLD WATER BY-PASS, DIAL THERMOMETER



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GROUP


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Consultant:



STATE OF MISSOURI
JONATHAN
DICKERT
NUMBER
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SCHEDULES - PLUMBING

P08-01

5/22/2025 9:01:20 AM Autodesk Docs//6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ry23/MEP_LSMC Lab & Pharmacy Renovation.rvt

GENERAL NOTES - ALL HVAC SHEETS

- A. ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR MECHANICAL AND PLUMBING CONSTRUCTION.
- B. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES, AND COMPLY WITH ALL NATIONAL, STATE, AND MUNICIPAL LAWS, CODES, AND ORDINANCES RELATING TO BUILDING AND PUBLIC SAFETY.
- C. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM.
- D. COORDINATE THE EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE LOCATIONS OF LIGHT FIXTURES, PIPING, CONDUIT, AND OTHER CONSTRUCTION, TO ALLOW FOR PROPER ACCESS TO SERVICE EQUIPMENT.
- E. COORDINATE THE LOCATION OF DUCTWORK AND PIPING WITH OTHER TRADES AND PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED.
- F. IT IS THE INTENT OF THESE DOCUMENTS TO ALLOW ALL CEILING CONSTRUCTION AND HEIGHTS TO BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS. COORDINATE THE LOCATION OF DUCTWORK AND PIPING AND PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED TO MEET THIS INTENT.
- G. CONDUIT, PIPING, AND DUCTWORK SHALL BE INDEPENDENTLY SUPPORTED, AND EACH SUPPORT SHALL BE INDEPENDENT OF PARTITION AND CEILING SYSTEM SUPPORTS. WHERE INDEPENDENT SUPPORT IS NOT POSSIBLE AN ENGINEERED SUPPORT SYSTEM SHALL BE UTILIZED.
- H. INSTALL ALL FLOOR MOUNTED EQUIPMENT ON PADS AS SPECIFIED. PAD BY GENERAL CONTRACTOR. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR.
- I. ALL WORK SHALL BE SCHEDULED AND PERFORMED IN STRICT COORDINATION WITH ARCHITECTURAL PHASING PLANS AND WITH HOSPITAL SCHEDULES, OCCUPANCIES, AND WORK.
- J. PROTECT EQUIPMENT AND WORK FROM DAMAGE DURING HANDLING AND INSTALLATION UNTIL COMPLETION OF CONSTRUCTION.
- K. REMOVE ALL EXCESS MATERIAL AND DEBRIS AND CLEAN ALL EQUIPMENT UPON COMPLETION OF WORK. TOUCH UP WITH PAINT WHERE REQUIRED.
- L. CONTRACTOR SHALL VISIT JOBSITE AND VERIFY SIZE AND LOCATION OF ALL EXISTING ITEMS AND CONDITIONS.
- M. ALL CONNECTION BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS.
- N. CONTRACTOR SHALL COORDINATE ALL WORK CLOSELY WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES.
- O. ALL EXISTING FACILITIES SHALL BE PROTECTED DURING THE CONSTRUCTION ACTIVITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE AND STORE ITEMS WHICH ARE SUBJECT TO DAMAGE.
- P. ARCHITECT SHALL HAVE FINAL APPROVAL OF ALL GRILLE, DIFFUSER, AND THERMOSTAT LOCATIONS.
- Q. COORDINATE ALL AIR DEVICE LOCATIONS AND MOUNTING FRAME STYLES WITH LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS.
- R. COORDINATE ALL WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS.
- S. DEMOLITION OF EACH PHASE SHALL OCCUR AS PART OF THE WORK FOR THAT PHASE. REMOVE ONLY THE WORK THAT SERVES THE AREA OF DEMOLITION.
- T. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- U. PROVIDE ADDITIONAL VALVES, TAPS, TEMPORARY DUCTWORK, ETC. AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- V. ALL NECESSARY SHUTDOWNS OR OUT OF PHASE WORK SHALL BE COORDINATED WITH THE HOSPITAL REPRESENTATIVE.
- W. DUCT SIZES ARE NET FREE AREA.
- X. PROVIDE ROUND DUCTS TO ALL AIR DEVICES UNLESS NOTED OTHERWISE. DUCT SIZE SHALL MATCH AIR DEVICE NECK SIZE OR THE TABLE IN AIR DEVICE SCHEDULE. WHICHEVER IS LARGER. FLEXIBLE DUCTS SHALL BE SIZED SIMILARLY. DO NOT USE FLEXIBLE DUCTS ABOVE NON-LAY-IN CEILINGS.
- Y. TERMINAL BOX INLET DUCTS: SIZE THE RUNOUT DUCT AND ITS TAP AT MAIN TRUCK PER VAV BOX SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
- Z. TERMINAL BOX OUTLET DUCTS: SIZE THE LOW PRESSURE OUTLET DUCT TO BE SIZE OF TERMINAL BOX DISCHARGE UNLESS NOTED OTHERWISE ON PLANS.
- AA. PROVIDE FRAMED 0.5" BY 0.5" BIRD SCREEN (GALVANIZED STEEL ASSEMBLY) AT ALL DUCTS TERMINATING WITHOUT AN AIR DEVICE, AND AT UNDUCTED AIR FLOW OPENINGS AT EQUIPMENT. PROVIDE 0.5" BY 0.5" BIRD SCREEN (316 STAINLESS STEEL) AT ALL INDOOR FACE OF LOUVERS AND UNDUCTED AIR FLOW OPENINGS TO EQUIPMENT HANDLING OUTSIDE AIR.
- AB. PROVIDE MANUAL VOLUME DAMPER IN EACH AIR DEVICE RUNOUT DUCT AS FAR FROM AIR DEVICE AS POSSIBLE.
- AC. INSTALL SPACE THERMOSTAT ADJACENT TO LATCH SIDE OF DOOR IN SPACE INDICATED.
- AD. INDICATED SPACE THERMOSTAT LOCATIONS ARE APPROXIMATE. AVOID HEAT PRODUCING EQUIPMENT.
- AE. FINAL SPACE THERMOSTAT/SENSOR LOCATIONS SHALL BE AS DIRECTED BY THE ARCHITECT.
- AF. INSTALL HUMIDISTATS IN SIMILAR FASHION.
- AG. INSTALL TURNING VANES IN ALL 90 DEGREE SQUARE ELLS IN SUPPLY, RETURN, AND EXHAUST DUCTS. (NONE ALLOWED IN COMBUSTION AIR DUCTS).
- AH. LOCATE ISOLATION VALVES FOR EQUIPMENT AS CLOSE TO THE MAIN AS POSSIBLE.
- AI. PROVIDE CONDENSATE DRAIN PIPING FROM ALL COOLING COILS TO DRAIN.
- AJ. MULTI-BLADE DAMPERS OF ANY TYPE INSTALLED WITHIN 36" OF AN ELL OR OTHER FITTING SHALL BE INSTALLED WITH THE DAMPER BLADE SHAFTS PARALLEL TO THE AIRSTREAM FLOW DIRECTION UPSTREAM OF THE FITTING.
- AK. COORDINATE LOCATION OF ALL DISCONNECTS, CONTROL PANELS AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES OF 42" DEEP AND 30" WIDE IN FRONT OF EQUIPMENT.
- AL. ALL FIRE AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION DETAILS AND BE U.L. TESTED AND LISTED.
- AM. FULLY INTEGRATE ALL NEW CONTROLS WITH ALL EXISTING /MODIFIED EQUIPMENT BACK TO NEW FMS AND ENGINEERS WORKSTATION IN RENOVATION PROJECT.
- AN. PROVIDE FILTER GAUGE ACROSS EACH FILTER BANK SERVING CENTRAL AIR SYSTEMS. THE GAUGE SHALL BE RED LINED OR A FILTER ALARM LIGHT INSTALLED TO SIGNAL WITH THE RECOMMENDED MAXIMUM STATIC PRESSURE DROP HAS BEEN REACHED. USE MAXIMUM STATIC PRESSURE AS RECOMMENDED BY FILTER MANUFACTURER.
- AO. PIPE CONNECTIONS LESS THAN 2-1/2" TO HEATING COILS, COOLING COILS, HUMIDIFIERS AND SIMILAR EQUIPMENT SHALL HAVE FLEXIBLE CONNECTORS OR THREE 90-DEGREE OFFSETS IN CLOSE PROXIMITY OF THE CONNECTION.
- AP. CONTRACTOR SHALL RE-INSPECT RECOMMENDED CONNECTION POINTS AFTER DEMOLITION PHASE TO ENSURE TIE-IN POINTS ARE ADEQUATE FOR RENOVATION SYSTEMS.
- AQ. CONTRACTOR SHALL TEST AND BALANCE ALL EXISTING SYSTEMS THAT ARE TO BE CONNECTED TO FOR THE RENOVATION PHASE PRIOR TO INSTALLING NEW WORK AND DOCUMENT VALUES. CONTRACTORS SHALL RE-TEST AND BALANCE EXISTING SYSTEMS AFTER CONNECTION TO ENSURE ALL DOWN STREAM SYSTEMS ARE PROVIDED THE SAME PERFORMANCE AFTER CONSTRUCTION.
- AR. ALL DISCONNECTS DOWN STREAM OF VFDS SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN UPSTREAM VFD WHEN SWITCH IS OPEN.

GENERAL PIPING NOTES

- A. REFER TO THE ARCHITECTURAL PHASING PLAN FOR THE AREAS SHOWN ON THIS SET OF PLANS. WORK SHALL BE SCHEDULED AND PERFORMED IN SEQUENCE WITH THE PHASING PLAN.
- B. DEMOLITION OF EACH PHASE SHALL OCCUR AS PART OF THE WORK FOR THAT PHASE. REMOVE ONLY THE WORK THAT SERVES THE AREA OF DEMOLITION.
- C. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- D. PROVIDE ADDITIONAL VALVES, TAPS, TEMPORARY DUCTWORK AND/OR PIPING AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- E. ALL WORK SHALL BE PERFORMED IN STRICT COORDINATION WITH HOSPITAL SCHEDULES, OCCUPANCIES, AND WORK. CONTRACTOR SHALL COORDINATE WITH HOSPITAL REPRESENTATIVE.
- F. ALL NECESSARY SHUTDOWNS OR OUT OF PHASE WORK SHALL BE SCHEDULED WITH THE HOSPITAL REPRESENTATIVE IN A TIMELY MANNER AS TO MINIMIZE THE DISRUPTION TO THE FACILITY.
- G. ARCHITECT SHALL HAVE FINAL APPROVAL OF ALL THERMOSTAT LOCATIONS.
- H. G.C. TO PROVIDE ACCESS DOORS IF REQUIRED FOR ACCESS TO VAVS AND ANY VALVES THAT ARE NOT ACCESSIBLE. VERIFY SIZE AND LOCATIONS WITH MECHANICAL CONTRACTOR.
- I. CONTRACTOR SHALL RE-INSPECT RECOMMENDED CONNECTION POINTS AFTER DEMOLITION PHASE TO ENSURE TIE-IN POINTS ARE ADEQUATE FOR RENOVATION SYSTEMS.
- J. CONTRACTOR SHALL TEST AND BALANCE ALL EXISTING SYSTEMS THAT ARE TO BE CONNECTED TO FOR THE RENOVATION PHASE PRIOR TO INSTALLING NEW WORK AND DOCUMENT VALUES. CONTRACTORS SHALL RE-TEST AND BALANCE EXISTING SYSTEMS AFTER CONNECTION TO ENSURE ALL DOWN STREAM SYSTEMS ARE PROVIDED THE SAME PERFORMANCE AFTER CONSTRUCTION.
- K. CONTRACTOR SHALL COORDINATE ALL SLAB PENETRATIONS WITH EXISTING WAFFLE SLAB RIDGES AND BEAMS.

GENERAL DEMOLITION NOTES

- A. ALL CAPPED DUCT TAPS AND CONNECTING DUCTS THAT ARE NOT BEING USED ARE TO BE REMOVED BACK TO THE MAIN DUCT AND PATCHED AS PER ITEM B BELOW.
- B. PATCH OPENINGS IN EXISTING DUCTWORK THAT IS TO REMAIN INCLUDING OPENINGS. WHERE TAPS OR DUCTWORK ARE TO BE REMOVED, THE FOLLOWING SHALL OCCUR:
- OPENINGS IN THE MAIN DUCTS ARE TO BE COVERED WITH A SHEET METAL PATCH. THE PATCH IS TO BE LARGER THAN THE EXISTING OPENING AND IS TO BE SECURED WITH SHEET METAL SCREWS FOUR INCHES ON CENTERS.
- A LIBERAL QUANTITY OF FIRE RESISTANT ADHESIVE IS TO BE APPLIED TO THE EDGES OF THE METAL PATCH AND THE ASSEMBLY SCREWED IN PLACE.
- C. REFER TO THE ARCHITECTURAL PHASING PLAN FOR THE AREAS SHOWN ON THIS PLAN. WORK SHALL BE SCHEDULED AND PERFORMED IN SEQUENCE WITH THE PHASING PLAN.
- D. DEMOLITION OF EACH PHASE SHALL OCCUR AS PART OF THE WORK FOR THAT PHASE. REMOVE ONLY THE WORK THAT SERVES THE AREA OF DEMOLITION.
- E. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- F. PROVIDE ADDITIONAL VALVES, TAPS, TEMPORARY DUCTWORK AND/OR PIPING AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- G. ALL WORK SHALL BE PERFORMED IN STRICT COORDINATION WITH HOSPITAL SCHEDULES, OCCUPANCIES AND WORK. CONTRACTOR SHALL COORDINATE WITH HOSPITAL REPRESENTATIVE.
- H. ALL NECESSARY SHUTDOWNS OR OUT OF PHASE WORK SHALL BE SCHEDULED WITH THE HOSPITAL REPRESENTATIVE.
- I. FOR ALL MINOR RENOVATION AREAS, THE CONTRACTOR IS TO UNDERTAKE A FULL PRE-TAB OF ALL GRILLES AND DIFFUSERS WITHIN THE AREAS PRIOR TO DEMOLITION. THE REPORT SHOULD BE SENT TO THE EOR. UPON COMPLETION OF THE GRILLE/DIFFUSER REPLACEMENTS IN THESE AREAS, THE CONTRACTOR IS REQUIRED TO RE-BALANCE THE SYSTEM BACK TO THE VALUES DOCUMENTED WITHIN THE PRE-TAB REPORT. PLEASE NOTE THE PRE-TAB IS TO BE PERFORMED PRIOR TO ANY WORK ASSOCIATED WITH THE RESPECTIVE SYSTEMS BEING UNDERTAKEN.

FIRE ALARM SEQUENCE OF OPERATION

UPON FIRE ALARM ALL AIR HANDLING UNITS AND ASSOCIATED EXHAUST FANS SHALL SHUT DOWN BASED ON THEIR RESPECTIVE SMOKE COMPARTMENTS. ALL ISOLATION EXHAUST FANS TO REMAIN IN OPERATION. ALL ASSOCIATED SMOKE AND COMBINATION FIRE/SMOKE DAMPERS SERVING SYSTEMS THAT SHUT OFF UPON FIRE ALARM SHALL CLOSE DURING FIRE ALARM.

DESIGN CRITERIA

LOCATION: CITY/STATE	LEE'S SUMMIT, MISSOURI
APPLICABLE CODES:	
BUILDING	2018 IBC
MECHANICAL	2018 IMC
PLUMBING	2018 IPC
ENERGY	2018 IECC
ELECTRICAL	2017 NEC
FIRE	2018 IFC
LATITUDE: DEG. N. LAT.	38.9
LONGITUDE: DEG. W. LONG.	94.3
ELEVATION: FT. ABOVE SEA LEVEL	997
ASHRAE SUMMER DESIGN CONDITIONS: 0.4% DRY BULB 0.4% WET BULB	89.9 °F 79.5 °F
ASHRAE WINTER DESIGN CONDITIONS: 99% WET BULB HCA DESIGN CRITERIA	3.9 °F -10 °F
BUILDING SPACE DESIGN TEMPERATURES: SUMMER DB WINTER DB	72 °F 68 °F
SUPPLY AIR TEMPERATURE: DEG. F. DRY BULB	55 °F

MECHANICAL ABBREVIATIONS

AC	ABOVE CEILING	GEF	GENERAL EXHAUST FAN
AFF	ABOVE FINISHED FLOOR	HW	HEATING HOT WATER
AHU	AIR HANDLING UNIT	IBT	INVERTED BUCKET TRAP
AI	ANALOG INPUT	IN HG	INCHES MERCURY (PRESSURE)
AO	ANALOG OUTPUT	IN WC	INCHES WATER COLUMN (PRESSURE)
BF	BELOW FLOOR, BLIND FLANGE	LE	LAUNDRY EQUIPMENT
BFC	BELOW FINISHED CEILING	MA	MIXED AIR
BO	BELOW GRADE	MVD	MOTORIZED VOLUME DAMPER
BV	BUTTERFLY VALVE	N	NEW
CHW	CHILLED WATER	OA	OUTSIDE AIR
CRAC	COMPUTER ROOM A/C UNIT	OB	OPPOSED BLADE DAMPER
CRU	CONDENSATE RETURN UNIT	PRV	PRESSURE RELIEF VALVE
CU	CONDENSING UNIT	R	RELOCATED
DI	DIGITAL INPUT	RA	RETURN AIR
DO	DIGITAL OUTPUT	RCA	RECIRCULATED (RETURN) AIR
DS	DISCONNECT SWITCH	RLA	RELIEF AIR
E	EXISTING	SA	SUPPLY AIR
EDH	ELECTRIC DUCT HEATER	SF	SUPPLY FAN
EUH	ELECTRIC UNIT HEATER	SV	SAFETY VALVE
EA	EXHAUST AIR	TAV	THERMOSTATIC AIR VENT (STEAM SYSTEM)
EF	EXHAUST FAN	UH	UNIT HEATER
FOU	FAN COIL UNIT	UNO	UNLESS NOTED OTHERWISE
FMB	FILTER MOUNTING BOX	VAV	VARIABLE AIR VOLUME
FPB	FAN POWERED BOX	VO	VOLUME DAMPER
FPI	FINS PER INCH	WH	WATER HEATER
GC	GENERAL CONTRACTOR	WHP	WATER-SOURCE HEAT PUMP

CONTROL DIAGRAM SYMBOLS

SYMBOLS	DESCRIPTION
	ANALOG INPUT
	ANALOG OUTPUT
	DIGITAL INPUT
	DIGITAL OUTPUT
	TEMPERATURE TRANSMITTER #X
	RELATIVE HUMIDITY TRANSMITTER #X
	CONTROL VALVE #X
	STATIC PRESSURE TRANSMITTER #X
	END SWITCH, NORMALLY CLOSED #X
	END SWITCH, NORMALLY OPEN #X
	TEMPERATURE SENSOR #X
	SMOKE DETECTOR #X
	OVERLOAD RELAY #X
	DIFFERENTIAL PRESSURE SENSOR #X
	CURRENT SENSING RELAY #X
	FLOW METER #X
	FLOW SWITCH #X
	EMERGENCY AIR HANDLER SHUT DOWN BUTTON #X

MECHANICAL SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATICALLY AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
	NEW EQUIPMENT DESIGNATION (TOP - EQUIP. ABBREV., BOTTOM - MARK)
	NEW DIFFUSER DESIGNATION (TOP - SCHEDULE DESIGN., BOTTOM - CFM)
	NEW EQUIPMENT
	EXISTING EQUIPMENT
	NEW DUCT
	EXISTING DUCT
	EXISTING DUCT TO BE REMOVED OR RELOCATED
	NEW SUPPLY DIFFUSER
	EXISTING SUPPLY DIFFUSER
	EXISTING SUPPLY DIFFUSER TO BE REMOVED OR RELOCATED
	NEW R/A GRILLE
	EXISTING R/A GRILLE
	EXISTING R/A GRILLE TO BE REMOVED OR RELOCATED
	NEW EXHAUST GRILLE
	EXISTING EXHAUST GRILLE
	EXISTING EXHAUST GRILLE TO BE REMOVED OR RELOCATED
	NEW SLOT DIFFUSER
	FLEXIBLE DUCT
	EXISTING SLOT DIFFUSER
	EXISTING SLOT DIFFUSER TO BE REMOVED OR RELOCATED
	THERMOSTAT W/ BACKBOX AND CONDUIT TO ABOVE CEILING
	EXISTING THERMOSTAT TO BE REMOVED OR RELOCATED
	45 DEGREE PRESSURE TAP W/ VOLUME DAMPER
	CONICAL TAP W/ VOLUME DAMPER
	CONICAL TAP W/O VOLUME DAMPER
	MANUAL DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE/SMOKE DAMPER
	MOTORIZED DAMPER
	BAROMETRIC DAMPER
	CHILLED WATER SUPPLY PIPE
	CHILLED WATER RETURN PIPE
	CONDENSER WATER SUPPLY PIPE
	CONDENSER WATER RETURN PIPE
	REFRIGERANT LIQUID PIPE
	REFRIGERANT GAS PIPE
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	HIGH PRESSURE STEAM
	HIGH PRESSURE CONDENSATE RETURN
	LOW PRESSURE STEAM
	LOW PRESSURE CONDENSATE RETURN
	PUMPED CONDENSATE RETURN
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	SANITARY WASTE LINE
	CONDENSATE DRAIN
	DIRECTION OF SLOPE
	DIRECTION OF FLOW
	EXPANSION LOOP
	GATE VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	BALANCING VALVE
	AUTOMATIC 2-WAY CONTROL VALVE
	AUTOMATIC 3-WAY CONTROL VALVE
	PLUG VALVE/BALANCING COCK
	SOLENOID VALVE
	CHECK VALVE
	HYDRAULIC SHOCK ARRESTOR
	VALVE VERTICAL
	UNION
	VACUUM BREAKER
	P-TRAP
	FLOOR DRAIN W/ P-TRAP
	HUB DRAIN
	FLOOR CLEANOUT OR GRADE CLEANOUT
	CLEANOUT OR WALL CLEANOUT
	PETE'S PLUG
	GAUGE COCK
	THERMOMETER
	THERMOMETER WELL
	STRAINER W/ BLOW-OFF VALVE
	F&T STEAM TRAP
	STEAM BUCKET TRAP
	CONNECT TO EXISTING
	ELECTRIC PNEUMATIC SWITCH
	POINT OF DEMOLITION



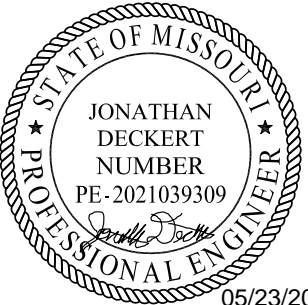
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Consultant:



05/23/2025
WSP USA Buildings Inc. 2013001881

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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

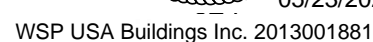
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SCALE: N.T.S.
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

GENERAL INFORMATION - MECHANICAL

M00-00

Autodesk Docu/ / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) r723/MEP_LSMC Lab & Pharmacy Renovation.r23.rvt 5/22/2025 11:51:46 AM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

WSP |



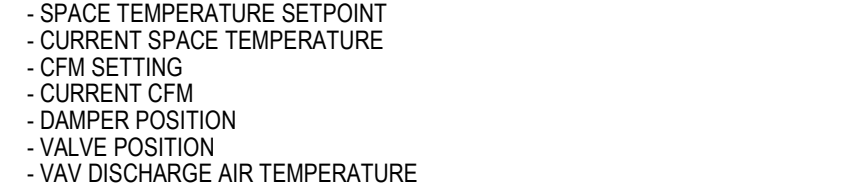
HCA - LEE'S SUMMIT MEDICAL
CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AGENCY APPROVALS:

② TYPICAL EXHAUST FAN WITH HOA CONTROL DIAGRAM
NOT TO SCALE

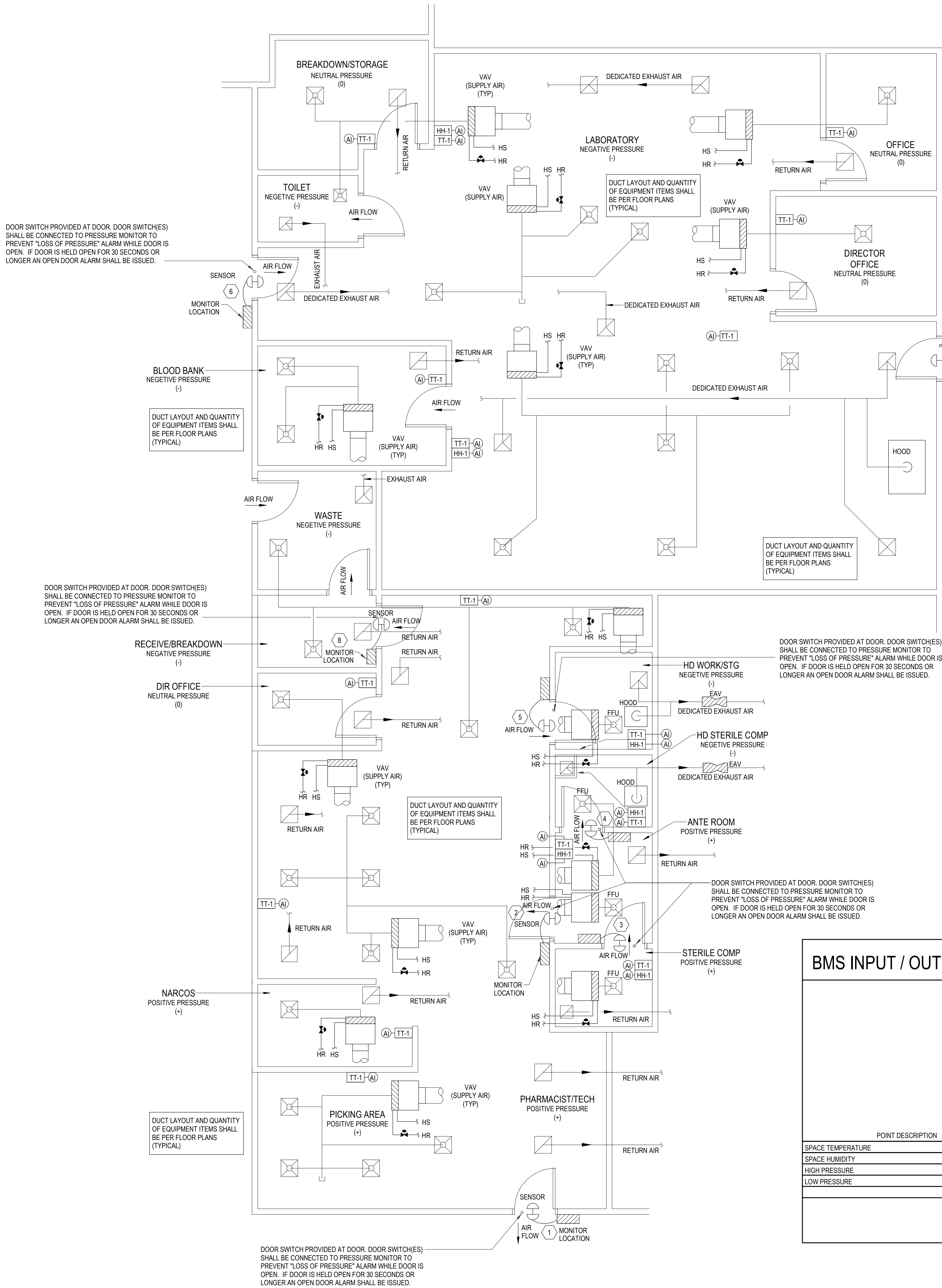
MISC. CONTROLS
12" = 1'-0"

① TYPICAL VARIABLE VOLUME BOX WITH HEATING WATER COIL
NOT TO SCALE



CONTROLS - MECHANICAL

M01-01



DOOR SWITCH PROVIDED AT DOOR. DOOR SWITCHES) SHALL BE CONNECTED TO PRESSURE MONITOR TO PREVENT "LOSS OF PRESSURE" ALARM WHILE DOOR IS OPEN. IF DOOR IS HELD OPEN FOR 30 SECONDS OR LONGER AN OPEN DOOR ALARM SHALL BE ISSUED.

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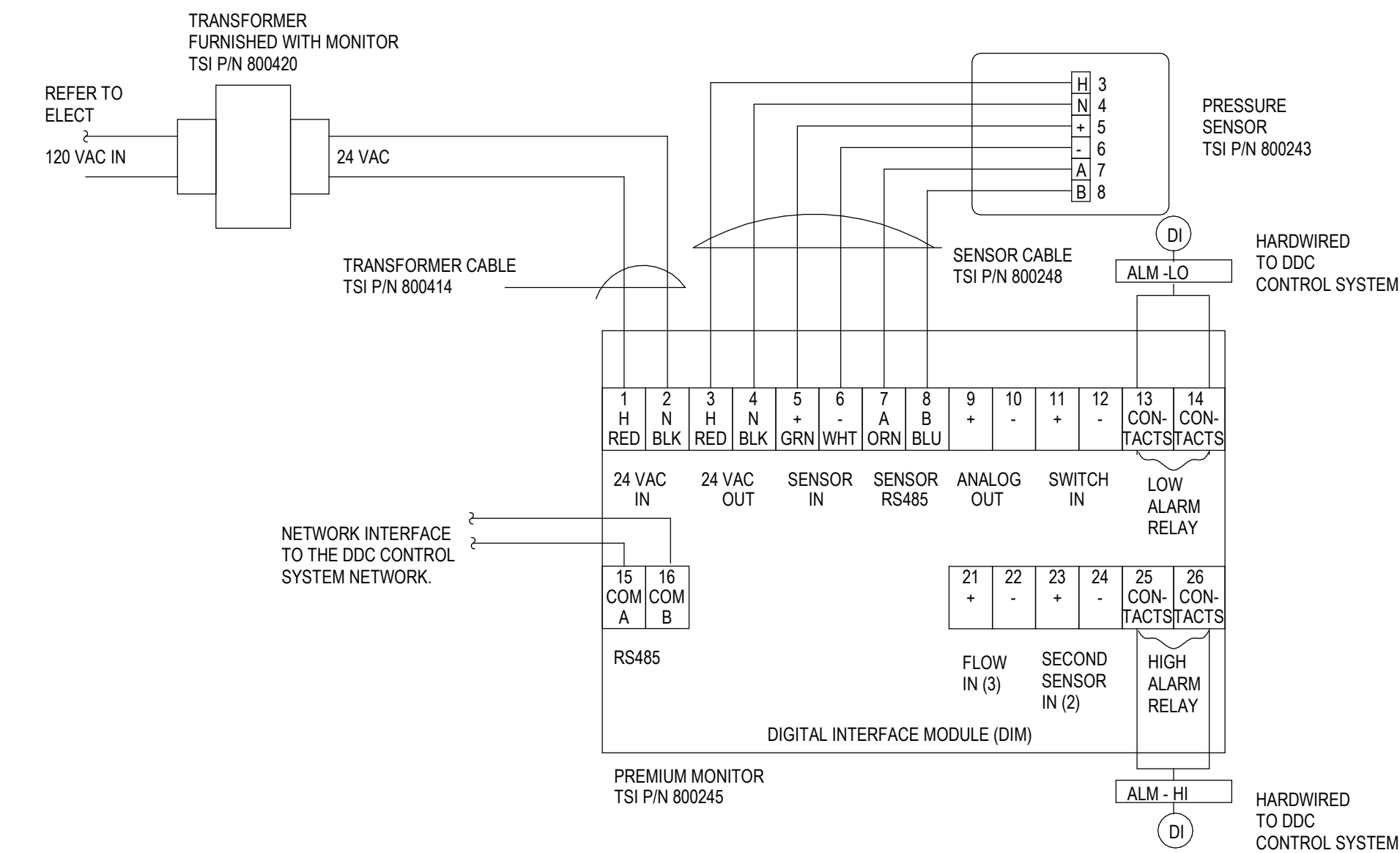
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- 1 PROVIDE PRESSURE SENSOR BETWEEN THE PHARMACY PROPER AND THE CORRIDOR. THE PHARMACY PROPER SHALL BE OVERALL POSITIVE PRESSURE TO THE CORRIDOR
- 2 PROVIDE PRESSURE SENSOR BETWEEN THE PHARMACY PROPER AND THE ANTE ROOM. THE ANTE ROOM SHALL BE POSITIVE PRESSURE TO THE PHARMACY PROPER.
- 3 PROVIDE PRESSURE SENSOR BETWEEN THE ANTE ROOM AND STERILE COMP. STERILE COMP SHALL BE POSITIVE PRESSURE TO THE ANTE ROOM.
- 4 PROVIDE PRESSURE SENSOR BETWEEN THE ANTE ROOM AND HD STERILE COMP. THE ANTE ROOM SHALL BE POSITIVE PRESSURE TO HD STERILE COMP.
- 5 PROVIDE PRESSURE SENSOR BETWEEN THE PHARMACY PROPER AND HD WORKSTG. PHARMACY PROPER SHALL BE POSITIVE PRESSURE TO THE HD STORAGE.
- 6 PROVIDE PRESSURE SENSOR BETWEEN THE LABORATORY PROPER AND THE CORRIDOR. THE LABORATORY PROPER SHALL BE OVERALL NEGATIVE PRESSURE TO THE CORRIDOR.
- 7 PROVIDE PRESSURE SENSOR BETWEEN THE LABORATORY PROPER AND THE CORRIDOR. THE LABORATORY PROPER SHALL BE OVERALL NEGATIVE PRESSURE TO THE CORRIDOR.
- 8 PROVIDE PRESSURE SENSOR BETWEEN THE PHARMACY PROPER AND RECEIVE/BREAKDOWN. THE PHARMACY PROPER SHALL BE OVERALL POSITIVE PRESSURE TO RECEIVE/BREAKDOWN.

LAB HOODS
THE DDC SYSTEM SHALL CONNECT TO ANY ALARM RELAY AVAILABLE ON THE LABORATORY HOODS (RECIRCULATION OR EXHAUSTED TYPES) TO ECHO THE ALARMS THROUGH THE DDC SYSTEM.

FAN FILTER UNITS
THE DDC SYSTEM SHALL INTEGRATE WITH THE FAN FILTER UNIT BAGNET FLOW CONTROLLER AND PROVIDE ALARM POINTS, PRESSURE DROP ACROSS THE FILTER, AND FAN SPEED TO DDC FRONT END.

2 MISC CONTROL SEQUENCES NOT TO SCALE



FACTORY WIRING DIAGRAM FOR THE TSI MODEL BPM20
NOTE: USE LATEST VERSION FROM MANUFACTURER'S INSTALLATION MANUAL.

BMS INPUT / OUTPUT POINTS LIST

POINT DESCRIPTION	DESIGNATION	NOTES	QUANTITY	GRAPHIC DISPLAY	HARDWARE																SOFTWARE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					OUTPUT				INPUT				ALARMS	CALCULATED VALUE	PROGRAMS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					DIGITAL		ANALOG		DIGITAL		ANALOG				CHILLER OPTIMIZATION	COND WATER RESET	DEMAND LIMITING	EVENT PROGRAMS	FAIL MODE (CLOSED)	FAIL MODE (OPEN)	LIGHTING CONTROL	RUN TIME	SCHEDULED START / STOP	LEAD LAG	SUPPLY AIR RESET	TREND LOGGING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					OPEN / CLOSE	START / STOP	FORCE ON	FORCE OFF	ENABLE / DISABLE	ON / OFF	DAMPER CONTROL	VALVE CONTROL	FIXED PRESET / VS DRIVE	END SWITCH	RELAY CONTACTS	HAND SWITCH	CURRENT RELAY	PRESSURE	DIFFERENTIAL PRESS	FLOW	AUX CONTACTS	STATUS	ALARM	FAULT RESET	PRESSURE	DIFFERENTIAL PRESS	FLOW	NO	NEXT REFERENCE	TEMPERATURE (DG)	RELATIVE HUMIDITY	DEWPOINT	MEASURE	SPEED / POSITION	PULSE	STATUS FAILURE	HIGH LIMIT	LOW LIMIT	SMOKE	MAINTENANCE	KW	BTH	CFM	GPM	INTEGRATOR	GALLONS / TON	AUTO RESTART	CHILLER OPTIMIZATION	COND WATER RESET	DEMAND LIMITING	EVENT PROGRAMS	FAIL MODE (CLOSED)	FAIL MODE (OPEN)	LIGHTING CONTROL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

NOTES:
1 TYPICAL FOR EACH ROOM. QUANTITIES ARE FOR EACH ROOM.

TYPICAL PHARMACY ROOM WITH CONSTANT AIR VOLUME BOX WITH HOT WATER REHEAT (V PREP ROOM, ANTE ROOM AND PHARMACY).

THIS SYSTEM CONSISTS OF CONSTANT AIR VOLUME (CAV) SUPPLY BOXES WITH HOT WATER COIL CONTROLLED BY SPACE TEMPERATURE TRANSMITTERS. THE SUPPLY AIR CAV BOX SHALL MAINTAIN THE CONSTANT SA CFM SETPOINT. THE EXHAUST AIR CAV BOX SHALL MAINTAIN AN AIR FLOW RATE (CFM) EQUAL TO THE SUPPLY AIR CAV BOX CFM SETPOINT LESS A CONSTANT CFM OFFSET. THE AMOUNT OF OFFSET SHALL BE DETERMINED BY THE TAB CONTRACTOR TO ACHIEVE THE PRESSURE DIFFERENTIAL IN THE SPACE AS INDICATED ON THE PLANS.

COOLING AND HEATING
THE SPACE TEMPERATURE IS MAINTAINED SIMILAR TO A CONSTANT VOLUME TERMINAL UNIT.

MONITORING
THE POSITIVE OR NEGATIVE PRESSURIZATION OF EACH ROOM SHALL BE MONITORED BY A DEDICATED MONITORING PANEL SIMILAR TO TSI MODEL 8630-PM OR SIEMENS BMS PANEL. THE MONITOR SHALL HAVE NETWORK INTERFACE CAPABILITY AND ALL POINTS SHALL BE AVAILABLE THROUGH THE DDC CONTROL SYSTEM NETWORK.

THE HIGH AND LOW ALARM CONTACTS SHALL BE HARDWIRED TO THE DDC CONTROL SYSTEM AS INDICATED ABOVE.

HAZARDOUS EXHAUST SYSTEM FAILURE SEQUENCE OF OPERATION
UPON COMPLETE FAILURE OF THE HAZARDOUS EXHAUST FAN SYSTEM, THE NEGATIVE PRESSURE CLEAN ROOM SUPPLY AIR VALVE SHALL MODULATE CLOSED SO AS TO PREVENT THE SPACE FROM BECOMING POSITIVELY PRESSURIZED.

Devenney
GROUP

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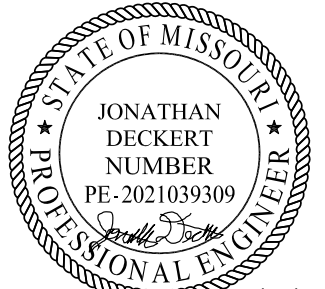
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LAB & PHARMACY RENOVATION

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CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS
REV # DESCRIPTION DATE

DATE: 05/23/2025
SCALE: NOT TO SCALE
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: 6406.24

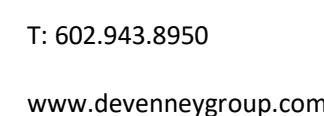
CONTROLS - MECHANICAL

M01-02

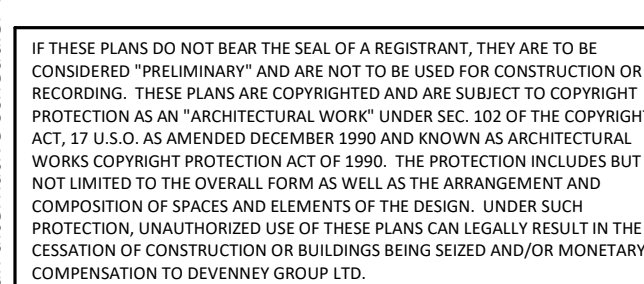
5/22/2025 11:52:11 AM Autodesk Docs // 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r723/MEP - LMC Lab & Pharmacy Renovation - R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternate schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

- A. REFER TO MD-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- B. ALL EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE APPROXIMATE AND BASED UPON A COMBINATION OF AVAILABLE RECORD DESIGN AND AS-BUILT DOCUMENTS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.
- C. ALL EXISTING DUCT SIZES AND AIRFLOW VALUES ON PLAN ARE PER THE DESIGN DOCUMENTS AVAILABLE.
- D. CONTRACTOR TO PRE-TAB ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. PRE-TAB TO CURRENT CONSTRUCTION SCOPE AREAS AND ALL OUT OF SCOPE AREAS SERVED BY THE MODIFIED SYSTEMS. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TABLED CONSTRUCTION VALUES.

1. DEMOLISH EXISTING FAN POWERED BOX AND ASSOCIATED DUCTWORK, PIPING, ACCESSORIES/FITTINGS, INSULATION, VALVES, SUPPORTS, ELECTRICAL, CONTROL WIRING, ETC.
2. 14"x12" EXISTING EXHAUST DUCT UP TO GEF-22.
3. DEMOLISH EXISTING CAV AND ASSOCIATED DUCTWORK, PIPING, ACCESSORIES/FITTINGS, INSULATION, VALVES, SUPPORTS, ELECTRICAL, CONTROL WIRING, ETC.



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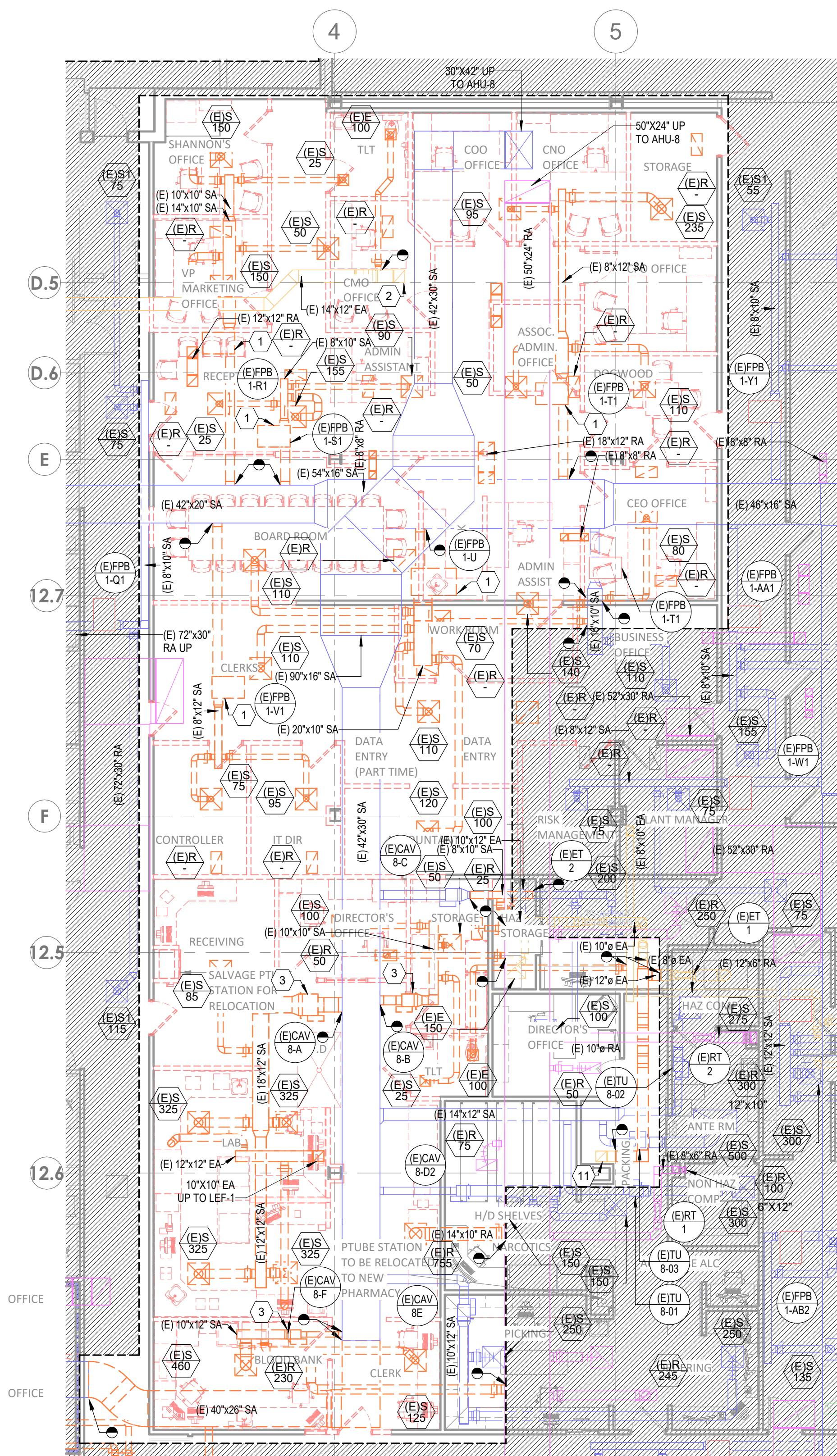
AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	05/23/2025
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

DEMOLITION PLAN - LEVEL
1 - SECTOR B - LAB &
PHARMACY - HVAC

MD02-01



3 DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY- HVAC
1/8" = 1'-0"

LEVEL 1 - KEYPLAN

SECTO

GENERAL DEMO NOTES

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B. ALL EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE APPROXIMATE AND BASED UPON A COMBINATION OF AVAILABLE RECORD DESIGN AND AS-BUILT DOCUMENTS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.
C. ALL EXISTING PIPE SIZES ON PLAN ARE PER THE DESIGN DOCUMENTS PROVIDED.
D. CONTRACTOR TO PRE-TAB ALL SUPPLY AND RETURN PIPING SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TABBED CONSTRUCTION VALUES.

LEGEND NOTES

1. DEMO PRESSURE MONITOR AND PRESSURE SENSOR AFTER SWITCHOVER TO NEW PHARMACY SPACES.
2. REMOVE FAN POWERED BOX, THERMOSTAT, AND CONTROL WIRING.
3. REMOVE CAV BOX, THERMOSTAT AND CONTROL WIRING.
4. (E) 2" HS & HR UP TO 2ND FLOOR MECHANICAL ROOM.
5. DEMOLISH HOT WATER PIPING BACK TO MAIN AND CAP.
6. DEMOLISH HOT WATER PIPING BACK TO POINT INDICATED ON PLAN AND CAP.



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LAB & PHARMACY RENOVATION

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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

FACILITY NUMBER:
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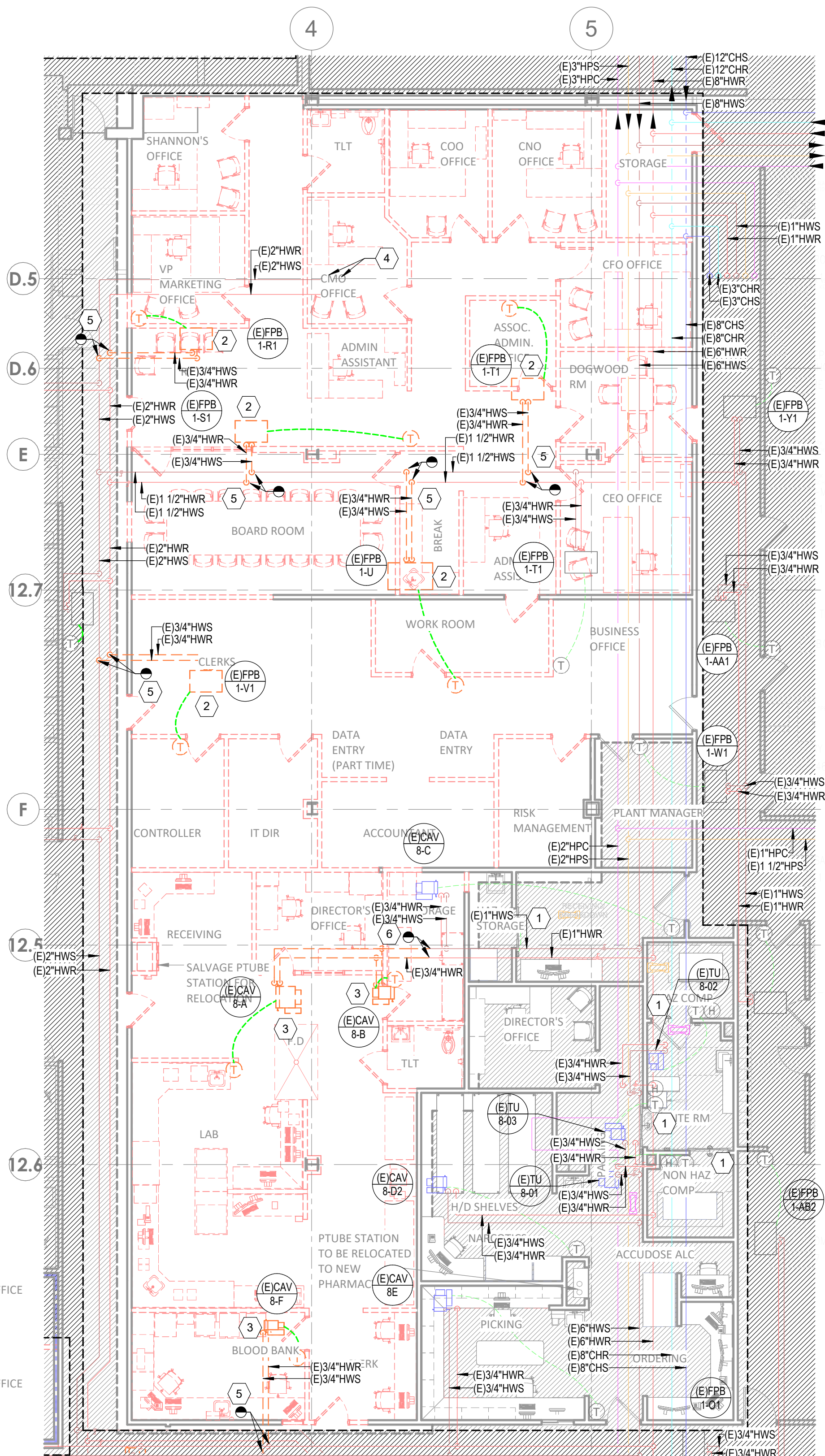
AGENCY APPROVALS:

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REV #	DESCRIPTION	DATE

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SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
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DEMOLITION PLAN - LEVEL
1 - SECTOR B - LAB &
PHARMACY - HVAC PIPING

MD03-01



LEVEL 1 - KEYPLAN

SECTOR B

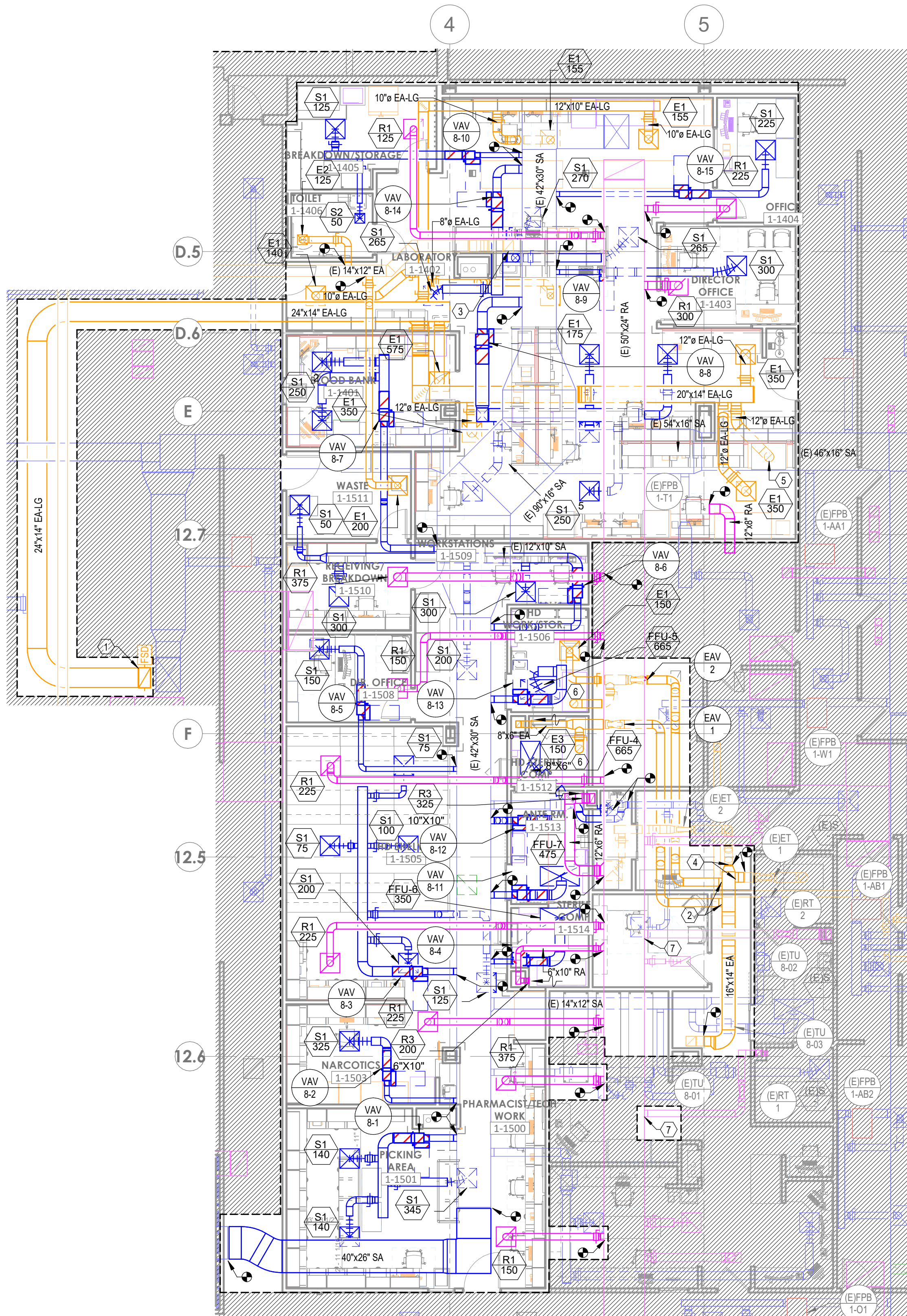
DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY - HVAC PIPING
1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
- D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.

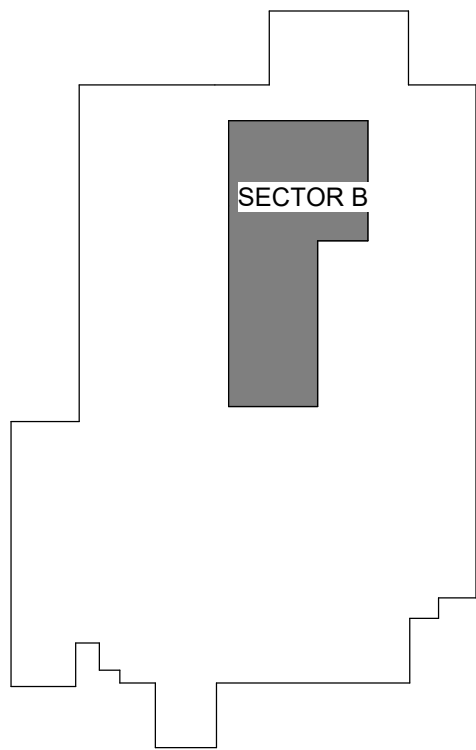
LEGEND NOTES

1. 24" X 14" EA DUCT UP THROUGH SHAFT ON LEVEL TWO, THEN TO LEF - 1 ON ROOF.
2. CONTRACTOR TO IMPLEMENT CONNECTION POINTS ONCE CONSTRUCTION OF NEW PHARMACY IS COMPLETE AND SWITCHOVER IS READY. CONTRACTOR TO COORDINATE PROJECT PHASING WITH ARCHITECT AND OWNER.
3. EXISTING 14"X12" EXHAUST DUCT UP TO GEF - 31 ON ROOF.
4. CONTRACTOR TO DEMOLISH AND CAP EXISTING EXHAUST TERMINAL UNIT TAPS ONCE CONSTRUCTION OF NEW PHARMACY IS COMPLETE AND SWITCHOVER IS READY. CONTRACTOR TO COORDINATE PROJECT PHASING WITH ARCHITECT AND OWNER.
5. BIOSAFETY CABINET HOOD EXHAUST CONNECTION, BALANCE TO 525 CFM.
6. PROVIDE THIMBLE EXHAUST CONNECTION TO BIOSAFETY CABINET HOOD, BALANCE TO 665 CFM.
7. CONTRACTOR TO DEMOLISH AND CAP EXISTING RETURN TERMINAL UNIT TAP ONCE CONSTRUCTION OF NEW PHARMACY IS COMPLETE AND SWITCHOVER IS READY. CONTRACTOR TO COORDINATE PROJECT PHASING WITH ARCHITECT AND OWNER.



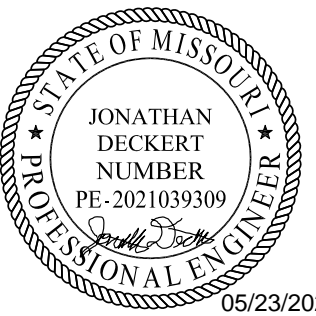
4 FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY
1/8" = 1'-0"

LEVEL 1 - KEYPLAN



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LAB & PHARMACY RENOVATION

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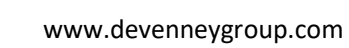
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REV #	DESCRIPTION	DATE

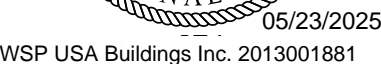
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DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 1 -
SECTOR B - LAB &
PHARMACY - HVAC

M02-01



WSP



M03-01

1. ROOM DIFFERENTIAL PRESSURE SENSOR AND MONITOR. SENSOR SHALL BE PLACED ABOVE THE DOOR AND MONITOR SHALL BE PLACED 48" ABOVE FINISHED FLOOR. SYSTEM COMPONENTS SHALL INCLUDE THE FOLLOWING: PRESSURE SENSOR, PRESSURE MONITOR, PRESSURE CABLE, TRANSFORMER CABLE AND TRANSFORMER.
2. DIFFERENTIAL PRESSURE CONTROL STATION BALANCED TO GPM INDICATED.
3. PROVIDE END OF MAIN FLUSHING VALVE AT THE END OF HW PIPING RUN. REFER TO DETAIL 03/07-01.
4. PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.
5. THERMOSTAT AND HUMIDITY SENSOR TO BE PLACED ON WALL INDICATED BY ARROW ON PLAN.

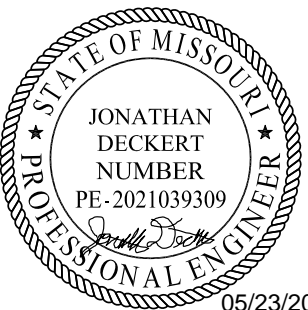


③ FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY - HVAC PIPING
1/8" = 1'-0"



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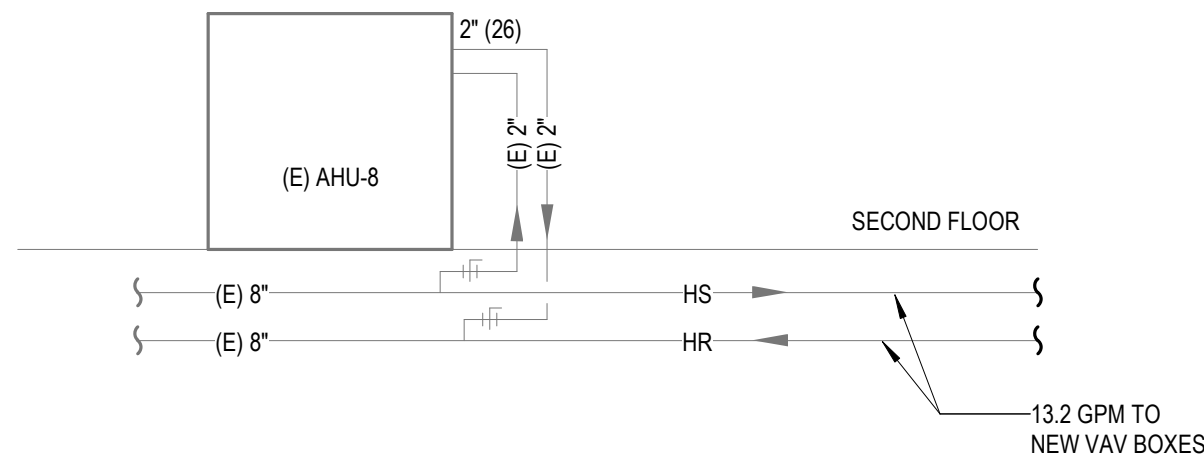
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RISER DIAGRAM -
MECHANICAL

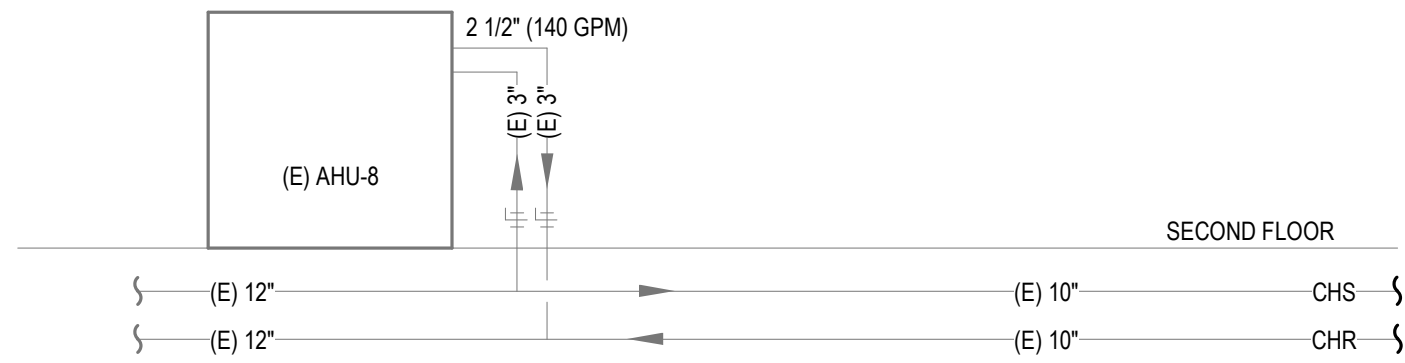
M06-01

NOTE: SEE PIPING PLANS FOR
BRANCH TAKE-OFFS FROM MAINS



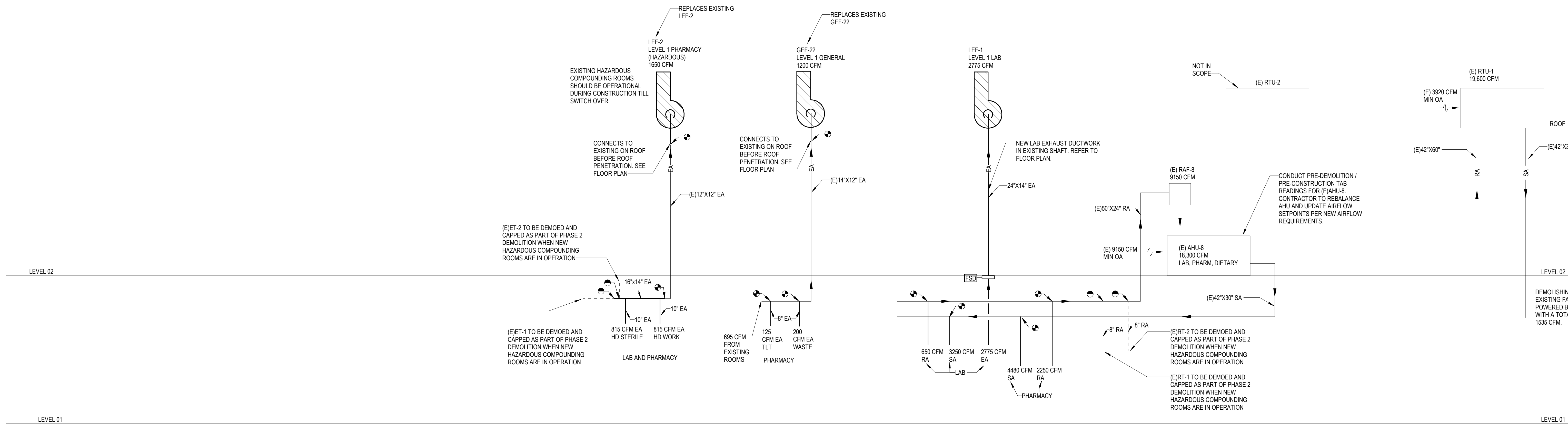
FIRST FLOOR CONTINUED

3 AHU HEATING WATER RISER DIAGRAM
1/8" = 1'-0"



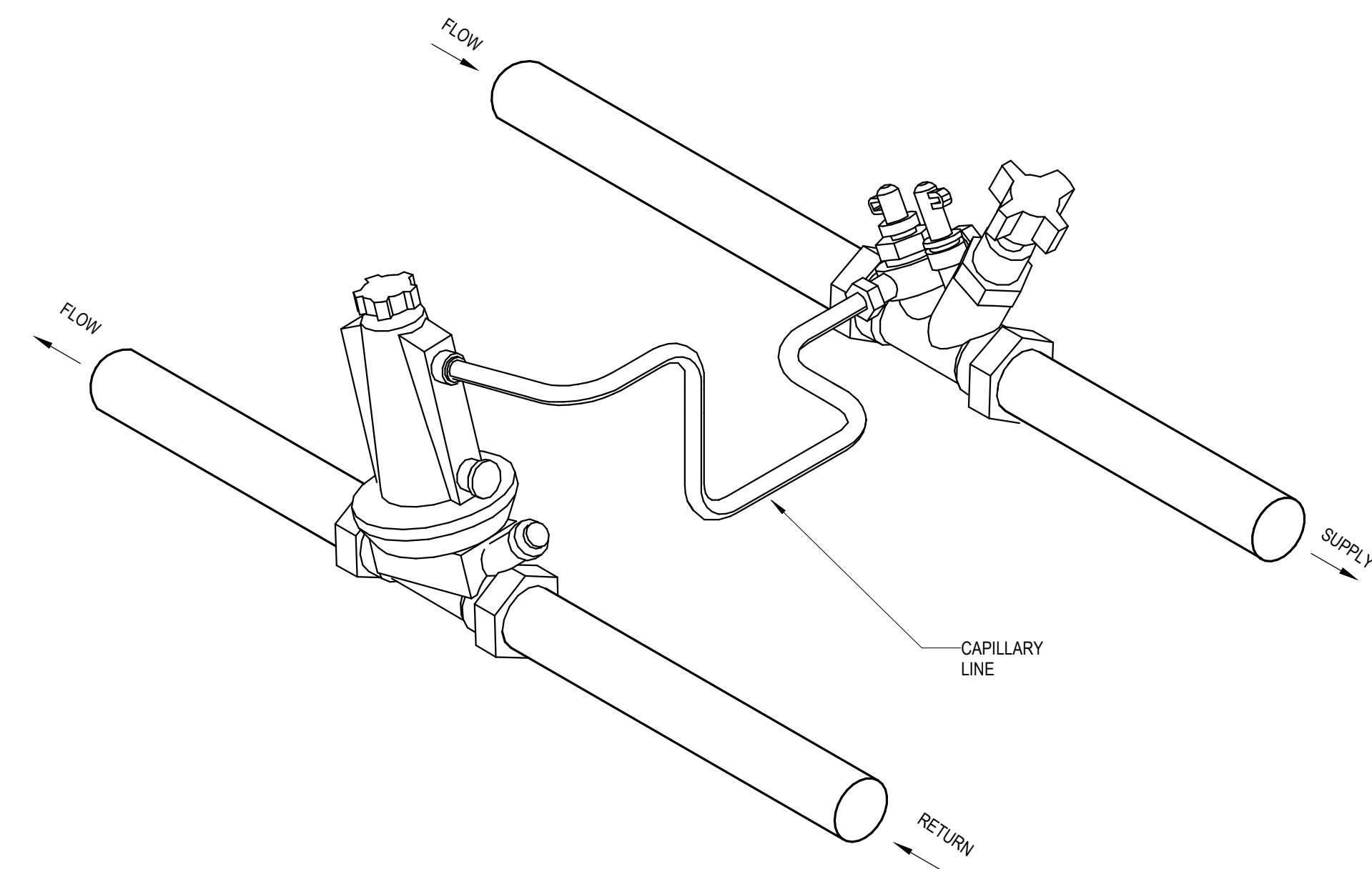
FIRST FLOOR CONTINUED

2 AHU CHILLED WATER RISER DIAGRAM
1/8" = 1'-0"

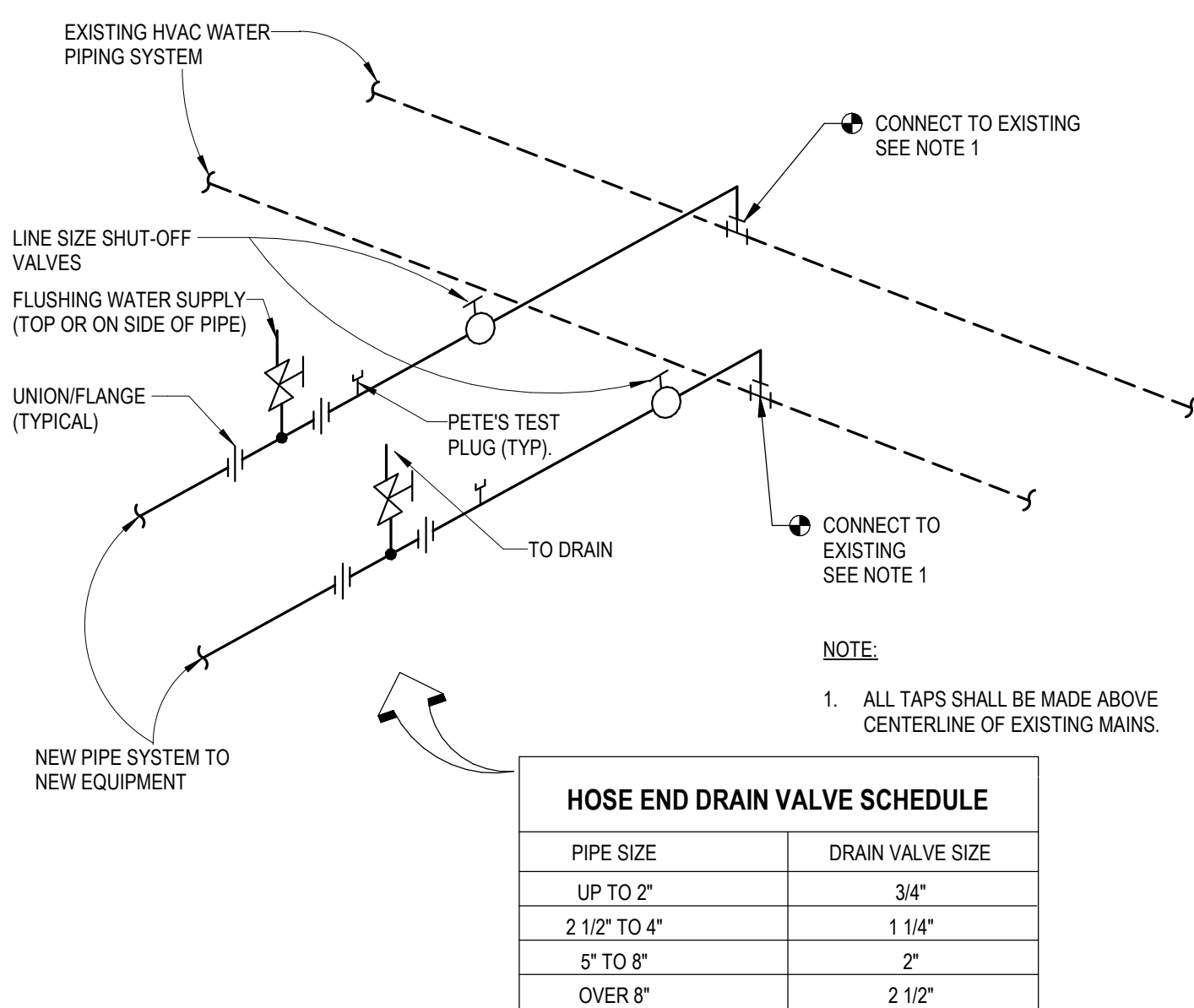


ATTACHED MOB

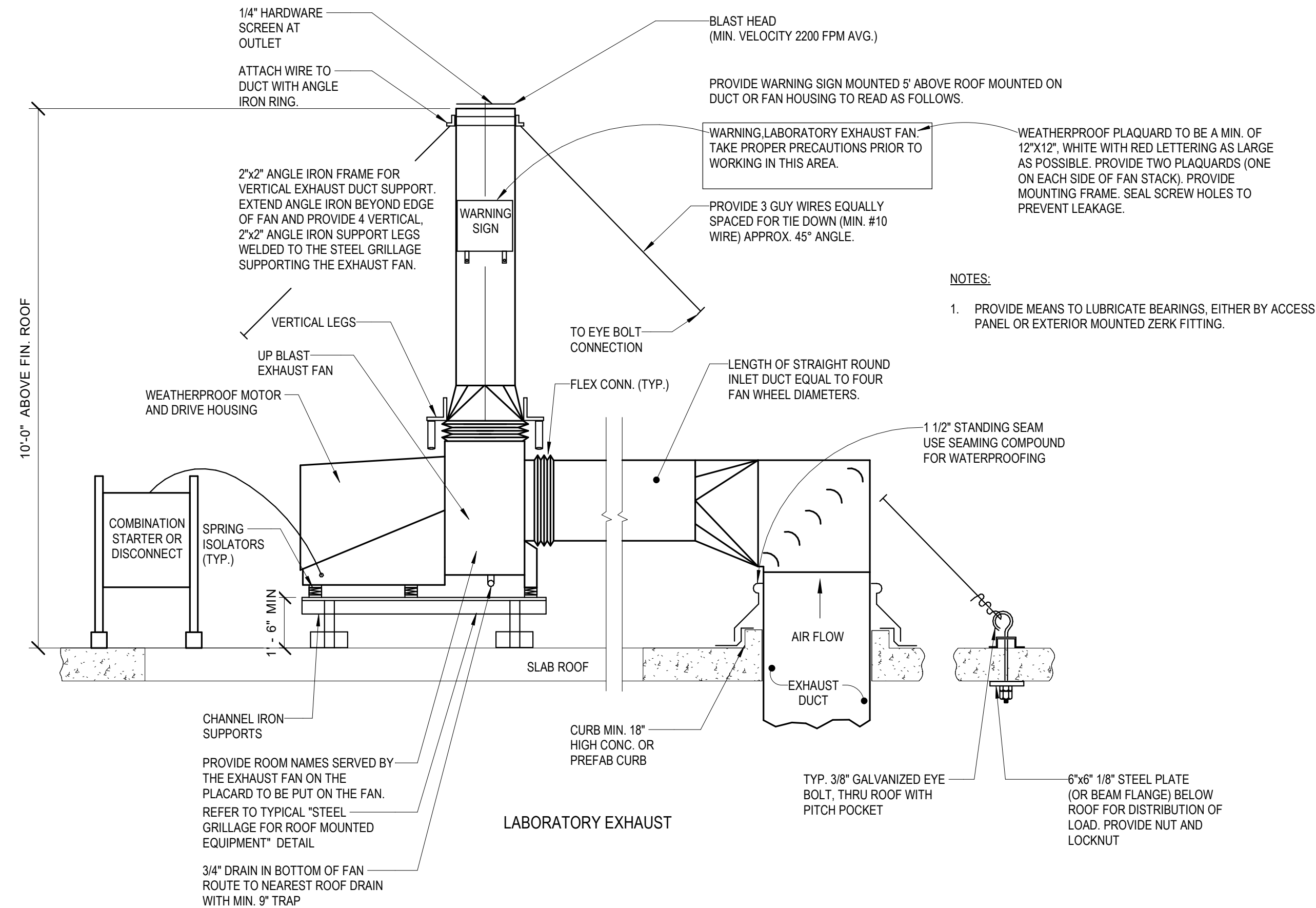
1 AIR RISER DIAGRAM
1/8" = 1'-0"



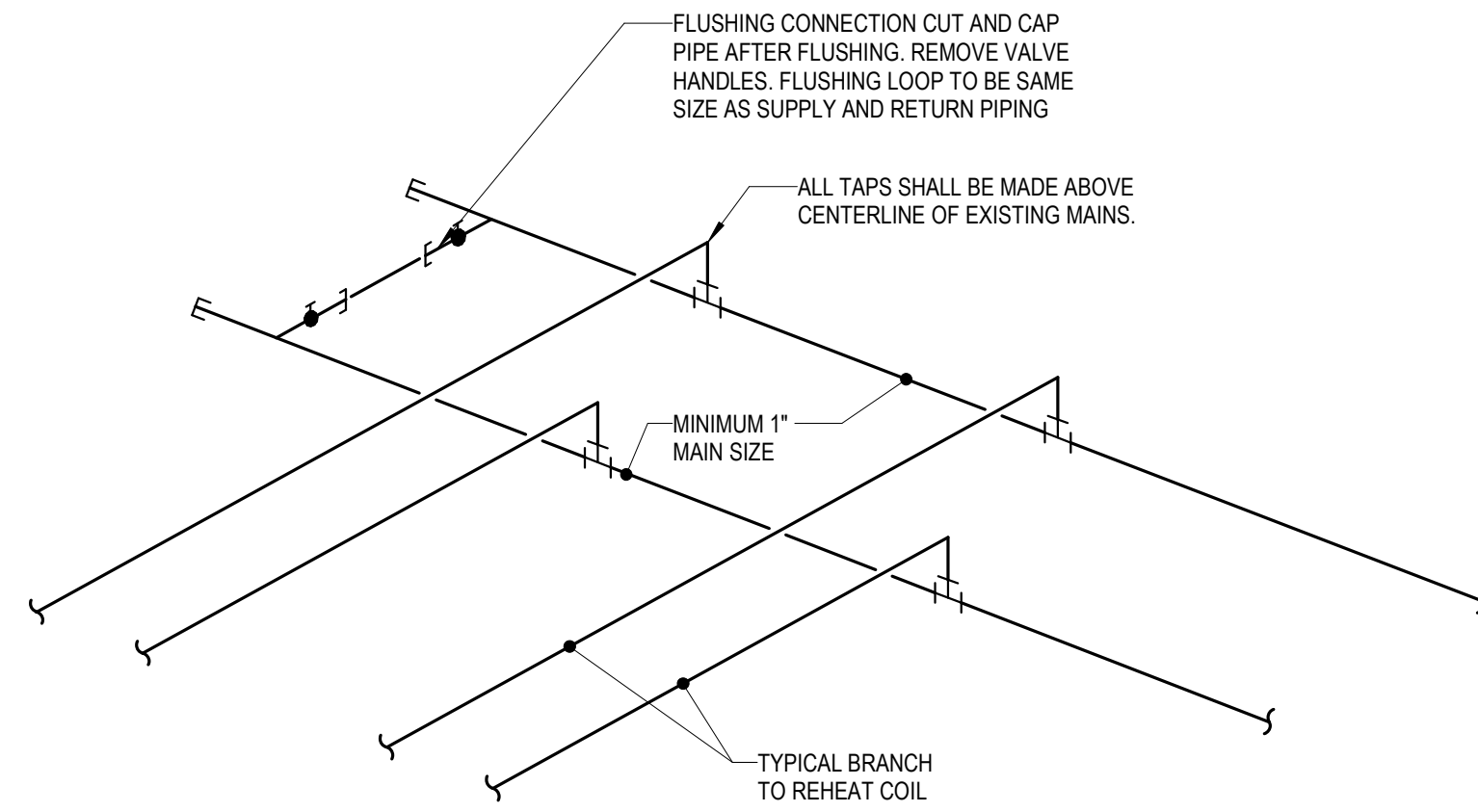
⑥ DIFFERENTIAL PRESSURE CONTROL STATION
NOT TO SCALE



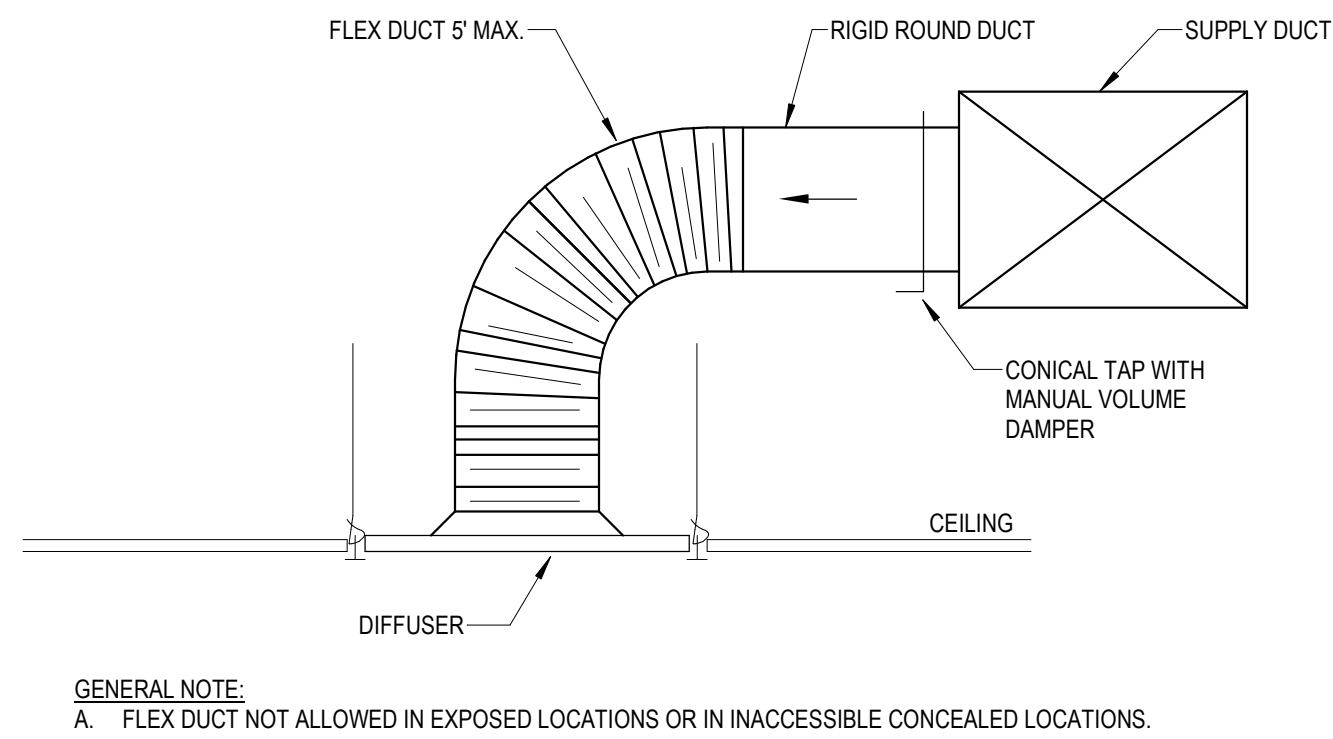
⑤ PIPING CONNECTION DETAIL
NOT TO SCALE



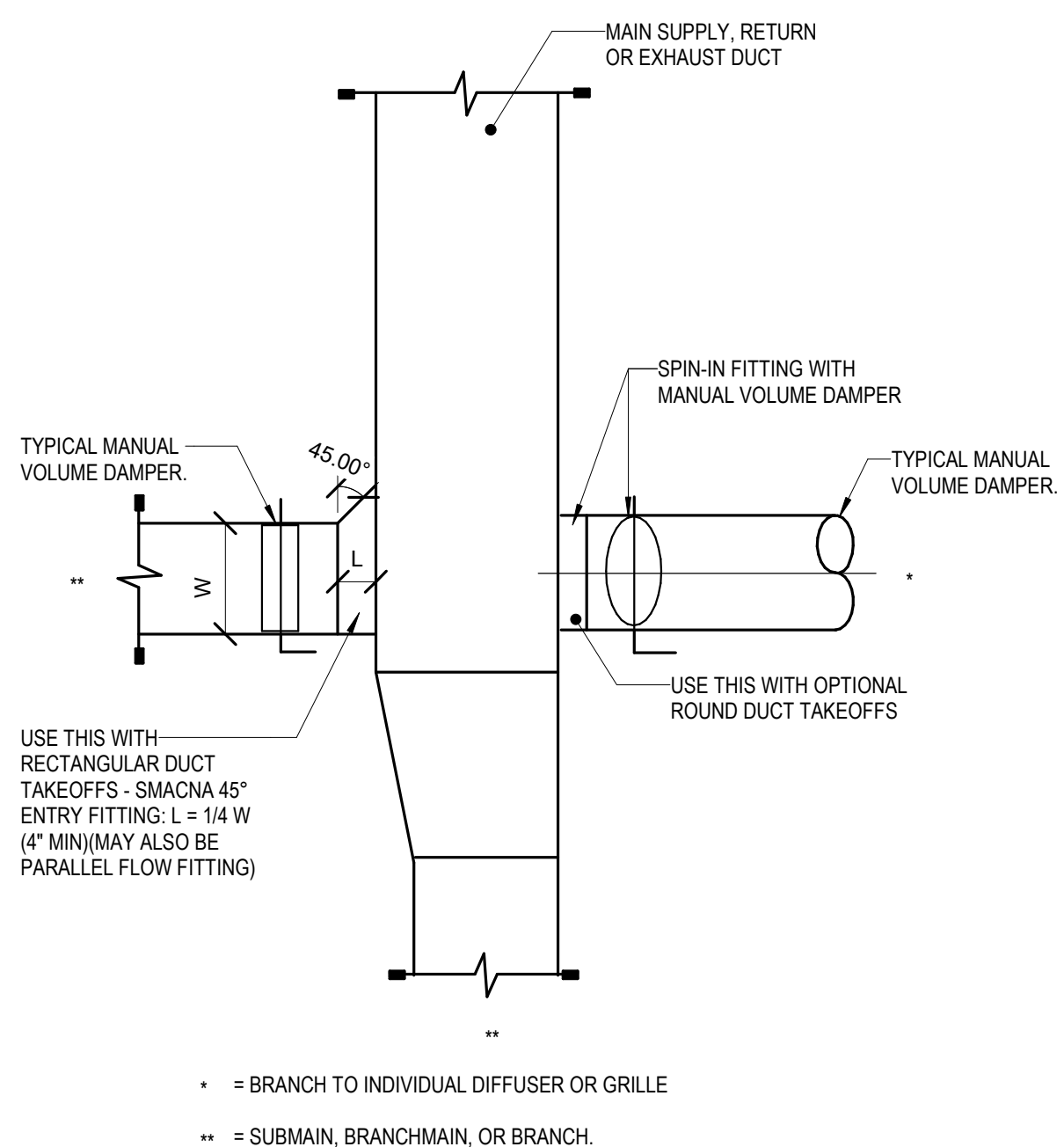
④ ROOF MOUNTED VENT SET
NOT TO SCALE



③ HVAC REHEAT HOT WATER END OF MAIN FLUSHING DETAIL
NOT TO SCALE



② DIFFUSER CONNECTION ROUND RUNOUT
NOT TO SCALE

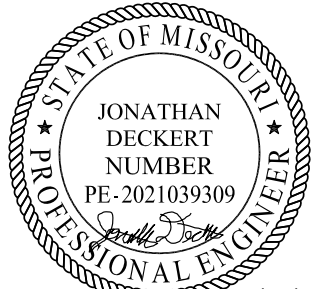


① LOW PRESSURE DUCT VOLUME DAMPER REQUIREMENTS
NOT TO SCALE



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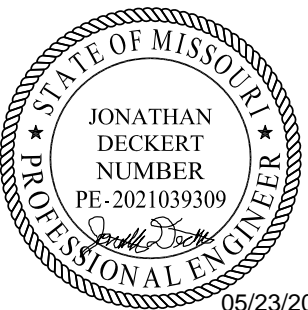
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DETAILS - MECHANICAL

M07-01

Autodesk Docu/6406.24 - HCA - Lee's Summit Medical Center (LSMC) ry23/MEP_LSMC Lab & Pharmacy Renovation.r23.rvt 5/22/2025 11:52:04 AM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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05/23/2025
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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL
CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

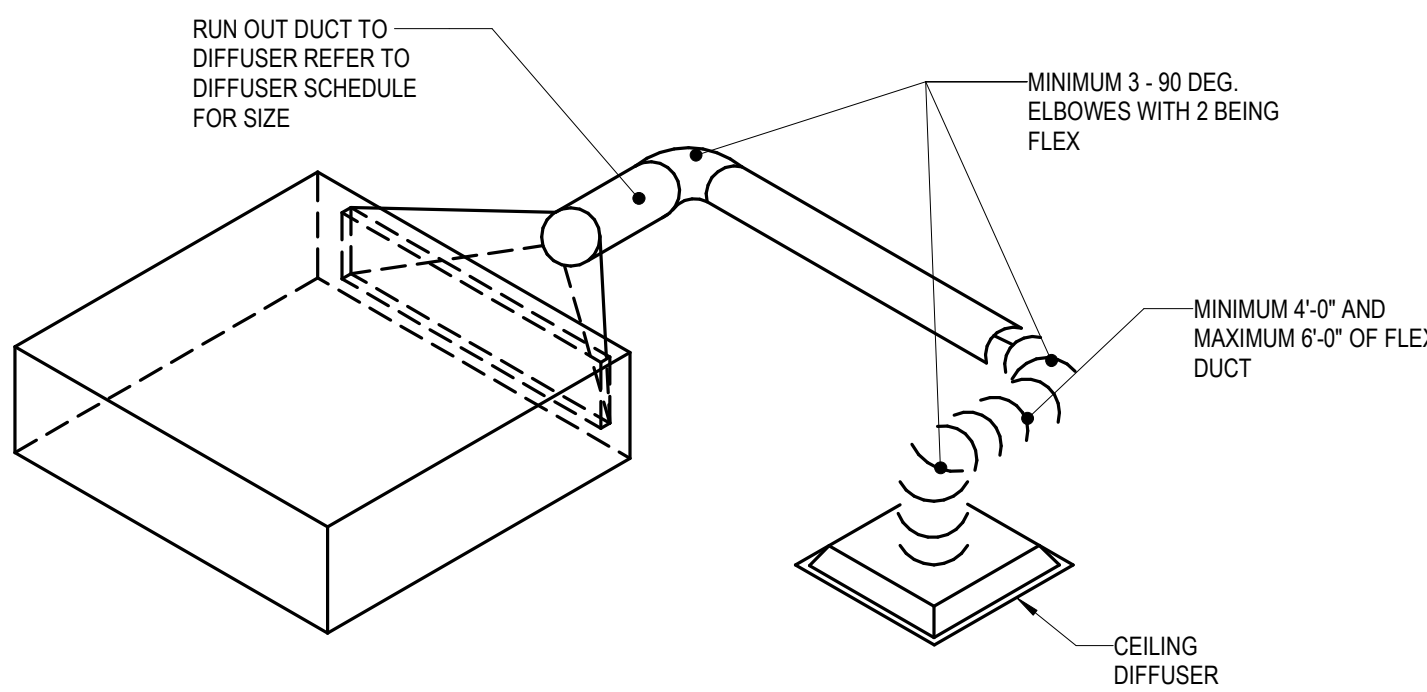
AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

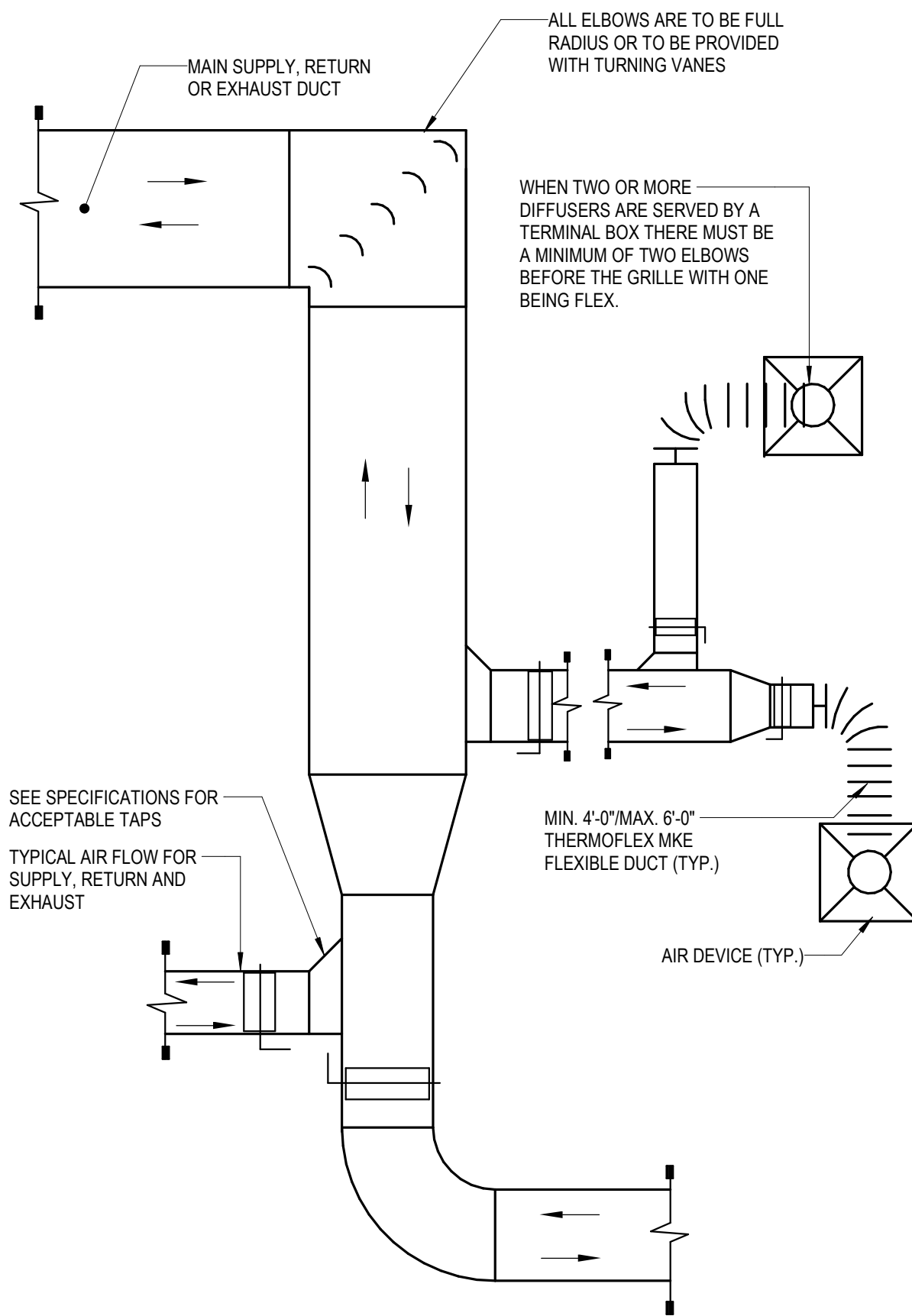
DATE: 05/23/2025
SCALE: As indicated
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

DETAILS - MECHANICAL

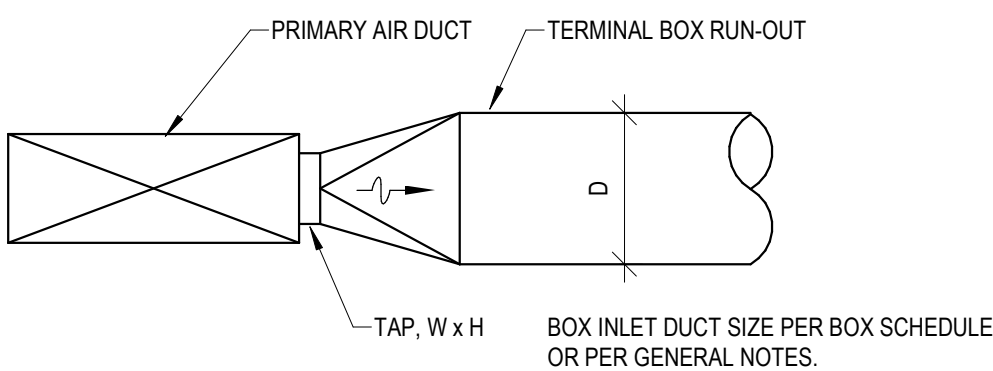
M07-02



⑥ VAV BOX SERVING SINGLE DIFFUSER DETAIL
NOT TO SCALE

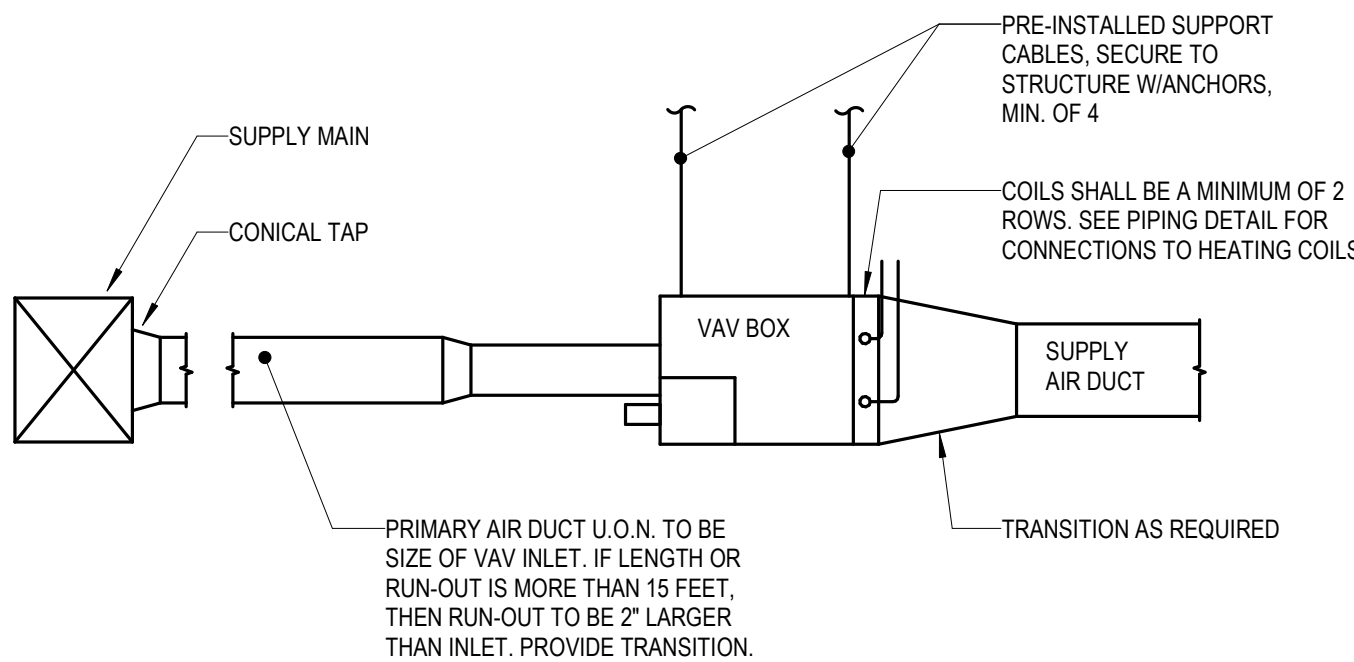
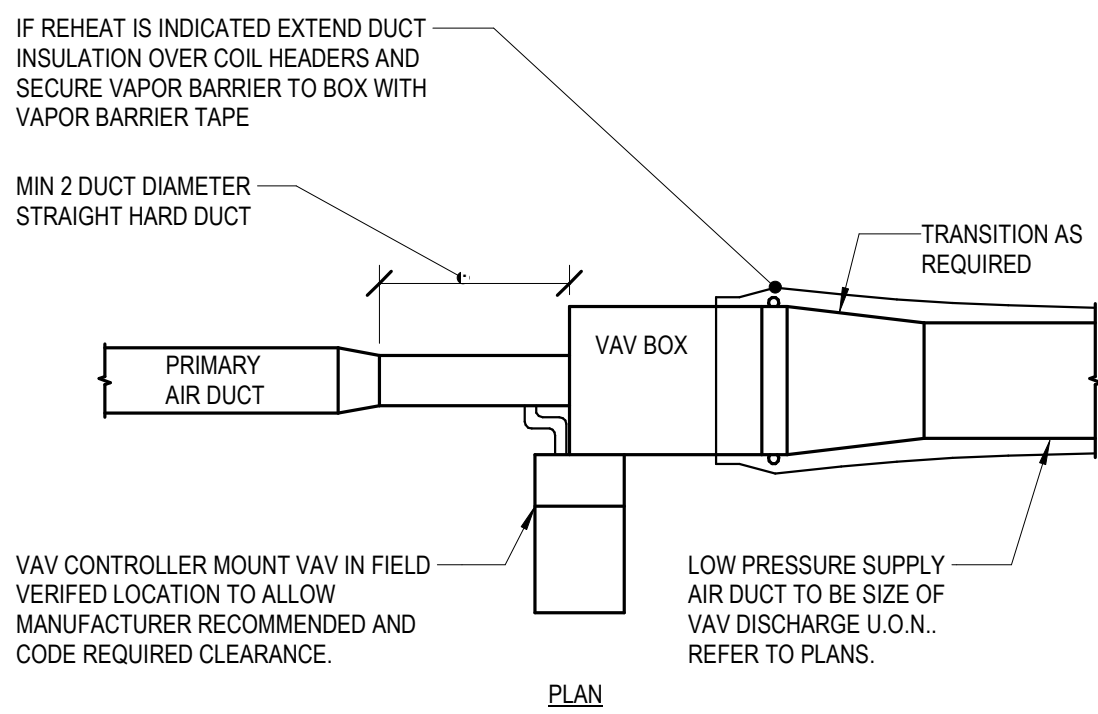


② TYPICAL LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCT DETAIL
NOT TO SCALE



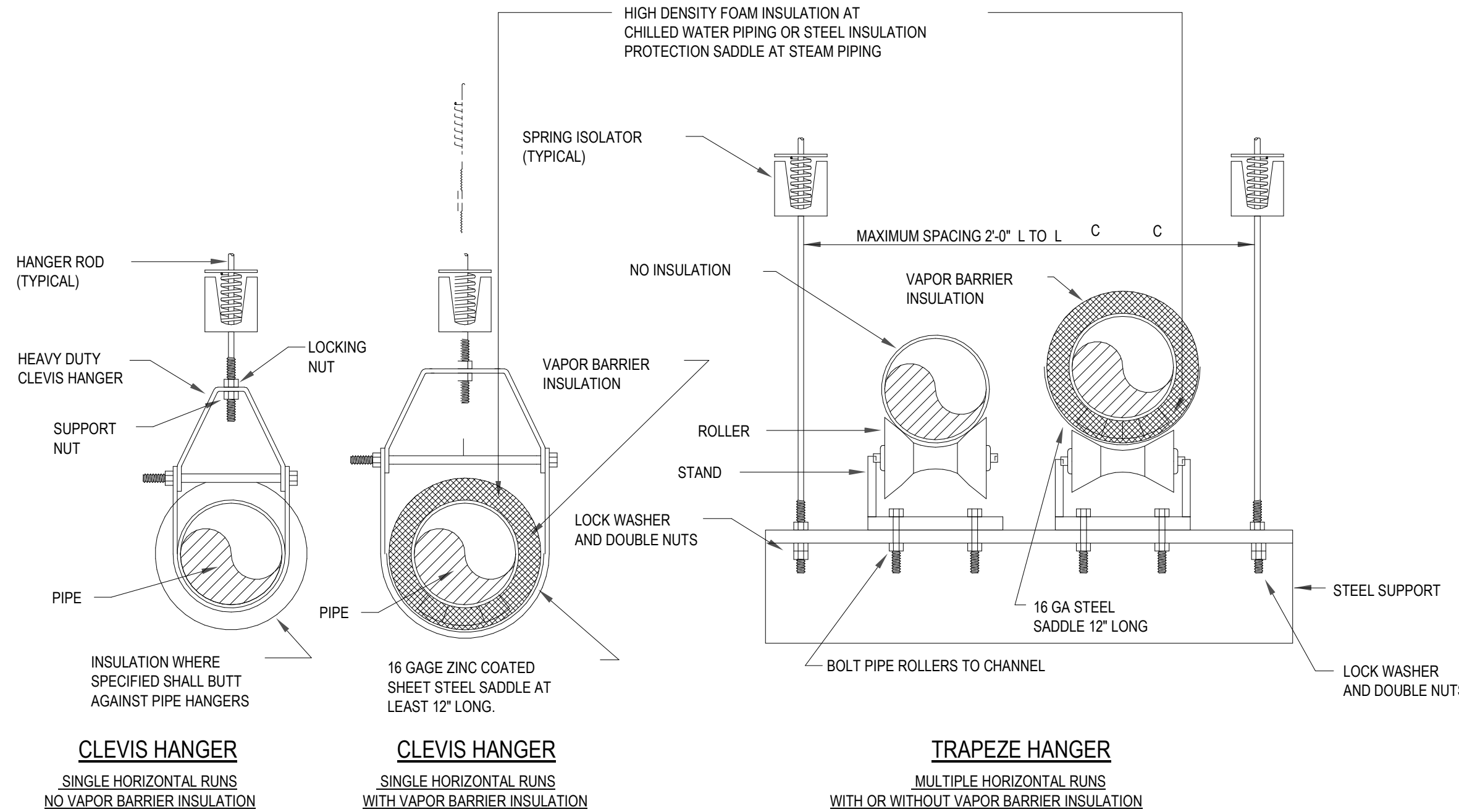
D (INCHES)	TAP, W x H (INCHES)
8	10/8
10	10/8
12	12/10, 16/8
14	14/12, 16/10
16	16/14, 18/12, 22/10
18	18/16, 20/14, 24/12

④ TERMINAL BOX INLET DUCT EQUIVALENT RECTANGULAR TO ROUND DUCT TAPS
NOT TO SCALE

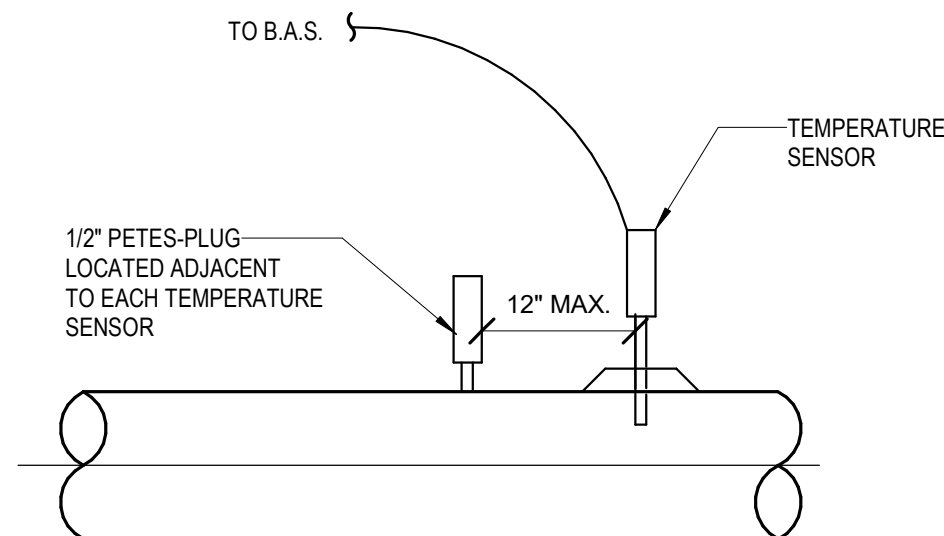


- NOTE:
- THIS DETAIL REFERS TO VAV AND CONSTANT VOLUME HOT WATER REHEAT AIR TERMINAL UNITS AND VAV AIR TERMINAL UNITS WITHOUT REHEAT.
 - TAP FITTING TO RECTANGULAR MEDIUM PRESSURE DUCT MAY ALSO BE RECTANGULAR 45° ENTRY. REFER TO DRAWINGS FOR REQUIRED SHOE TAP DUCT SIZES.
 - MEDIUM PRESSURE ROUND TRUNK DUCT TO HAVE CONICAL TEE FITTING, WITH OTHER REQUIREMENTS AS SHOWN.
 - BOXES 1400 CFM OR LESS TO BE SUPPORTED WITH REINFORCING ANGLE WITH 3/8" GALVANIZED ALL THREAD ROD HANGERS.
 - COORDINATE REQUIREMENT FOR CEILING ACCESS PANELS WITH DIVISION 8 AND ARCHITECTURAL RCP.

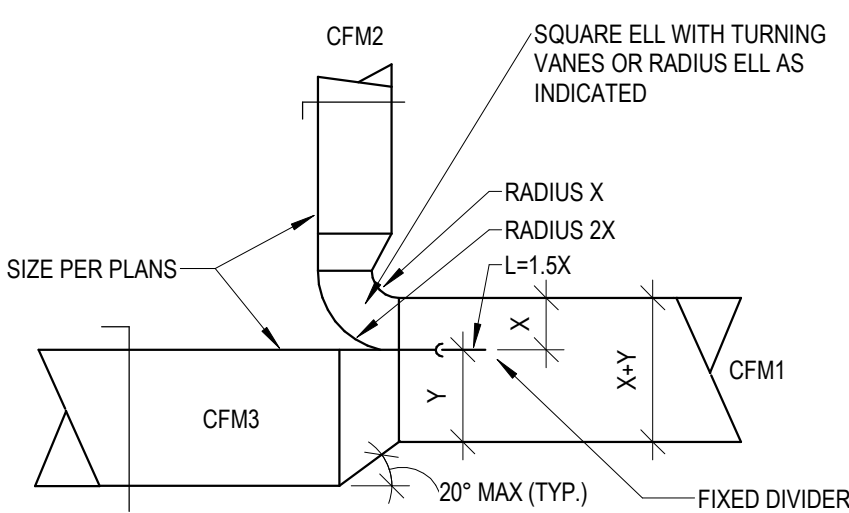
③ VAV BOX INSTALLATION DETAIL
NOT TO SCALE



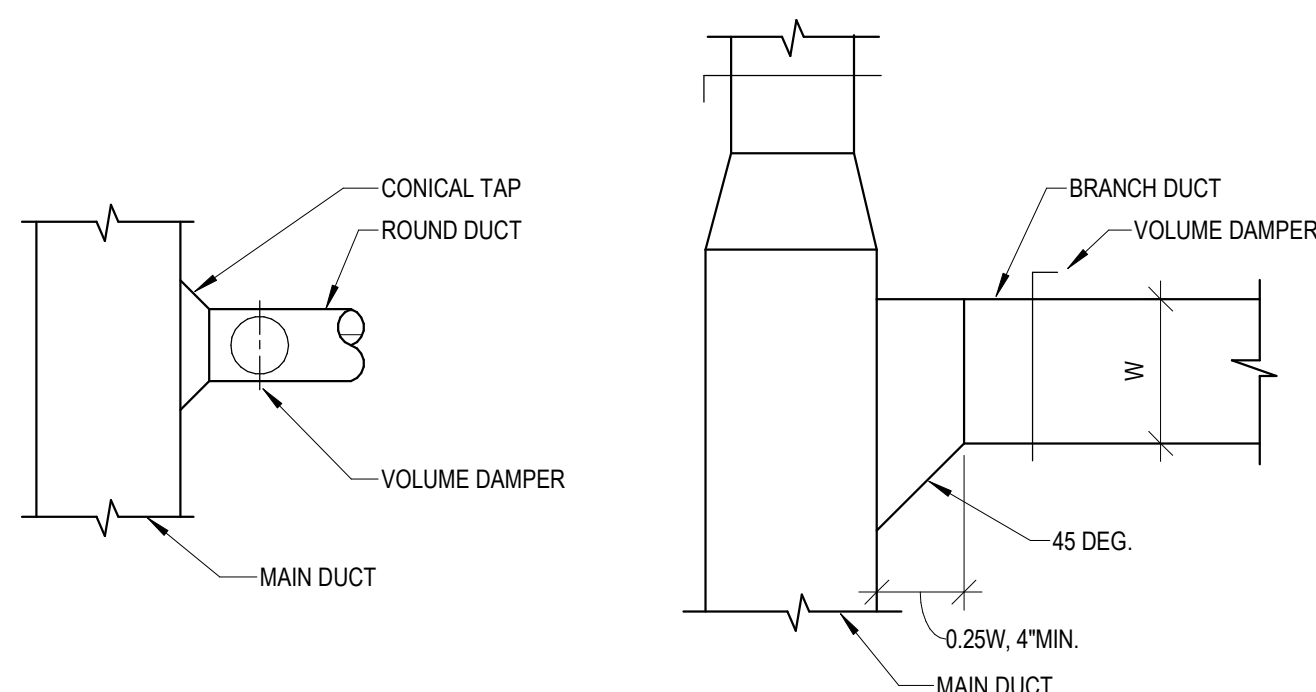
① PIPING SUPPORT HANGERS
NOT TO SCALE



⑦ TEMPERATURE SENSOR INSTALLATION DETAIL
NOT TO SCALE



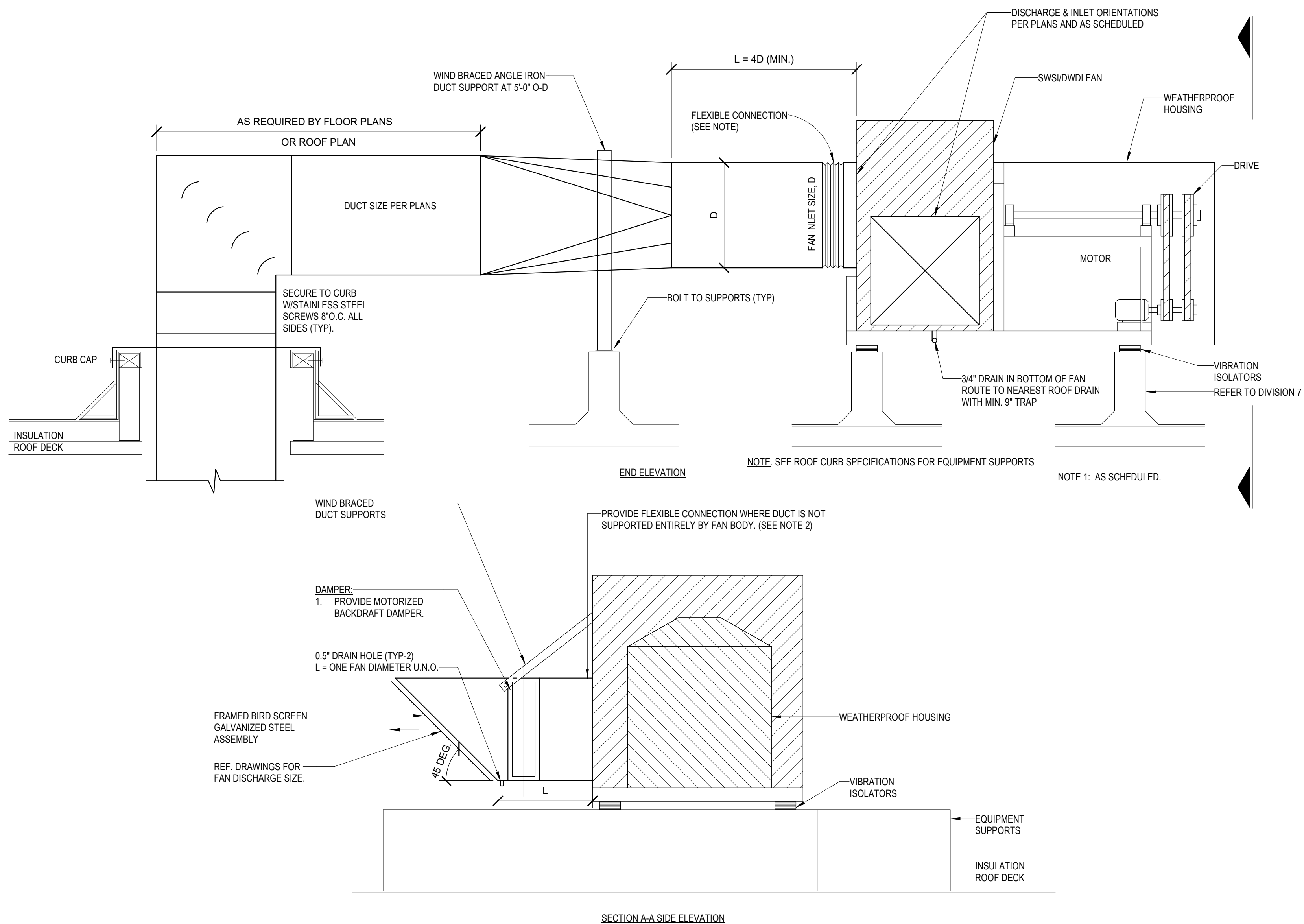
SPLITTER DAMPER.
USE THIS DETAIL WHERE CFM1 >= 3000 CFM AND CFM2/CFM1 >= 0.25.
 $X/(X+Y) = CFM2/CFM1$
 $CFM1 = CFM2 + CFM3$



⑥ LOW PRESSURE DUCT FITTINGS - HORIZONTAL DUCTS
NOT TO SCALE

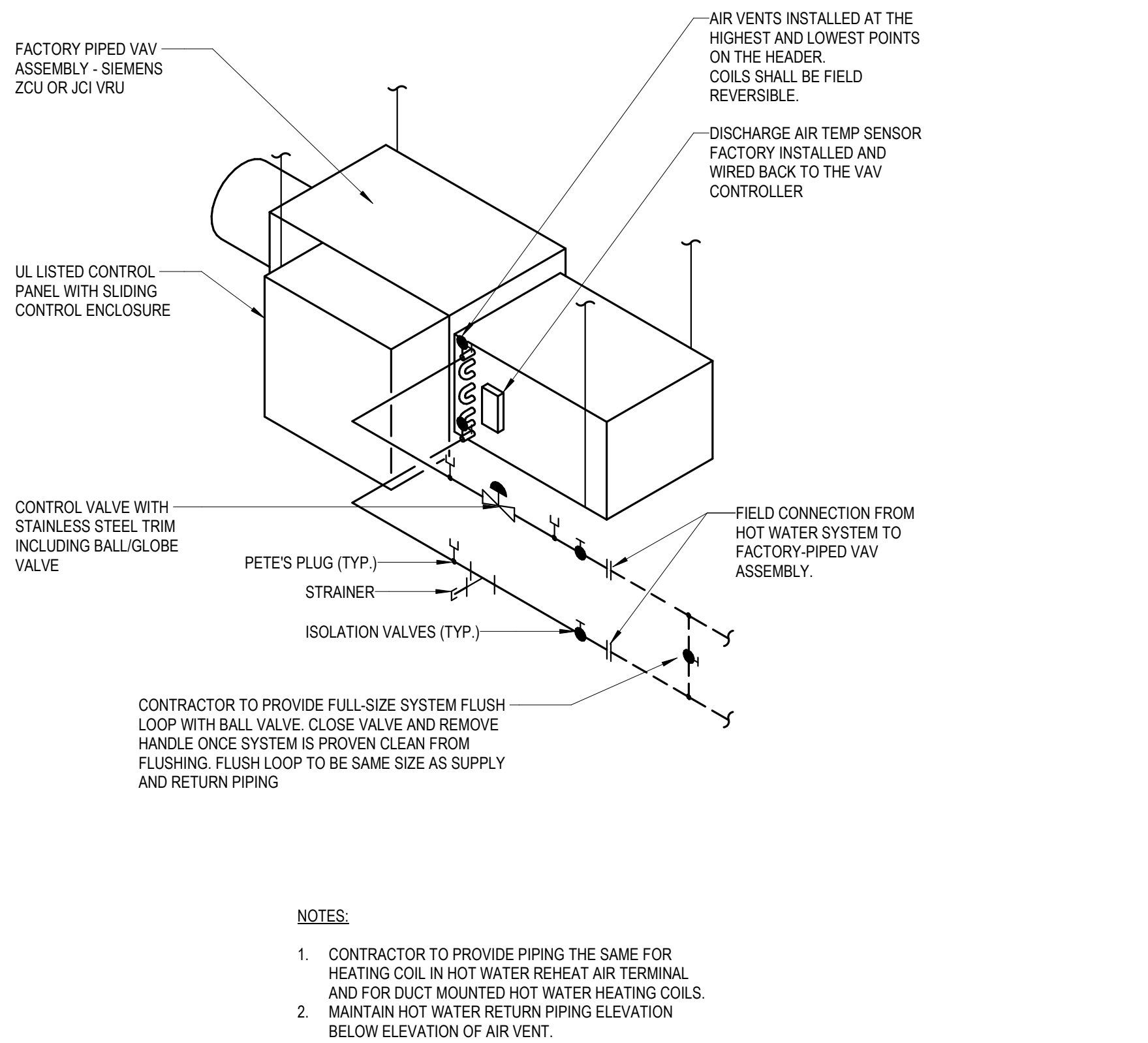


③ GENERAL EXHAUST FAN DETAIL
NOT TO SCALE



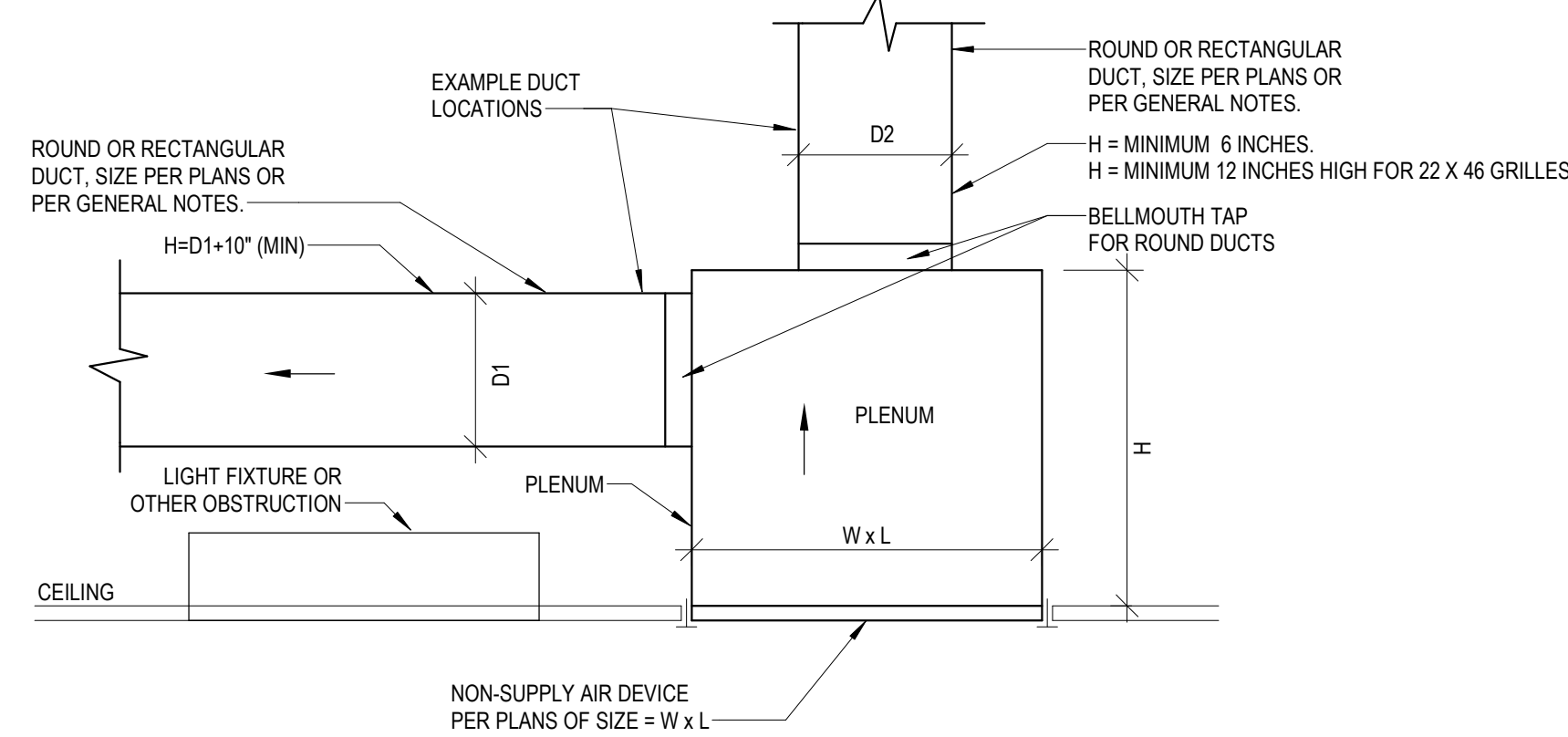
① GRILLE RETURN OR EXHAUST
NOT TO SCALE

② PIPING AT TERMINAL REHEAT
NOT TO SCALE

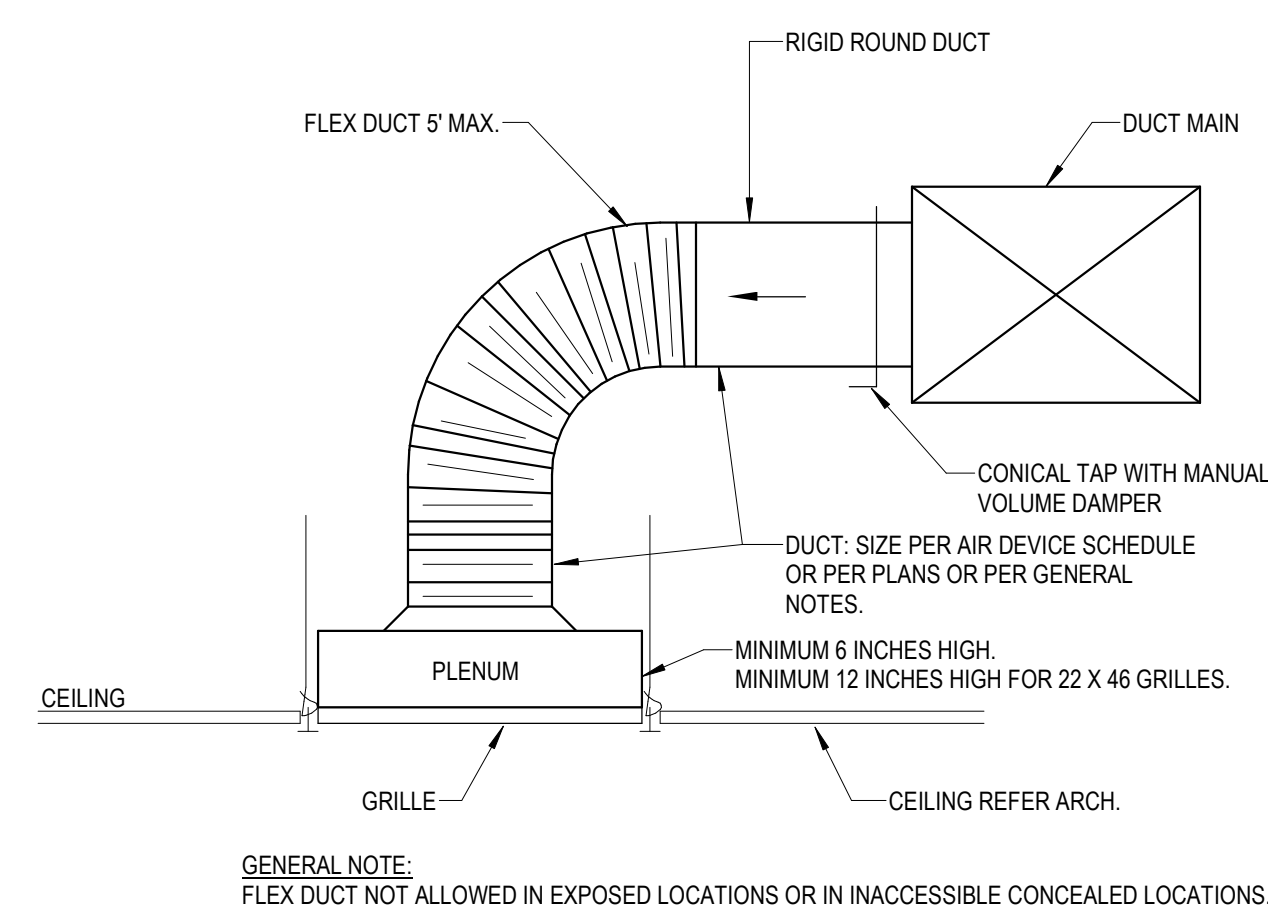


NOTES:

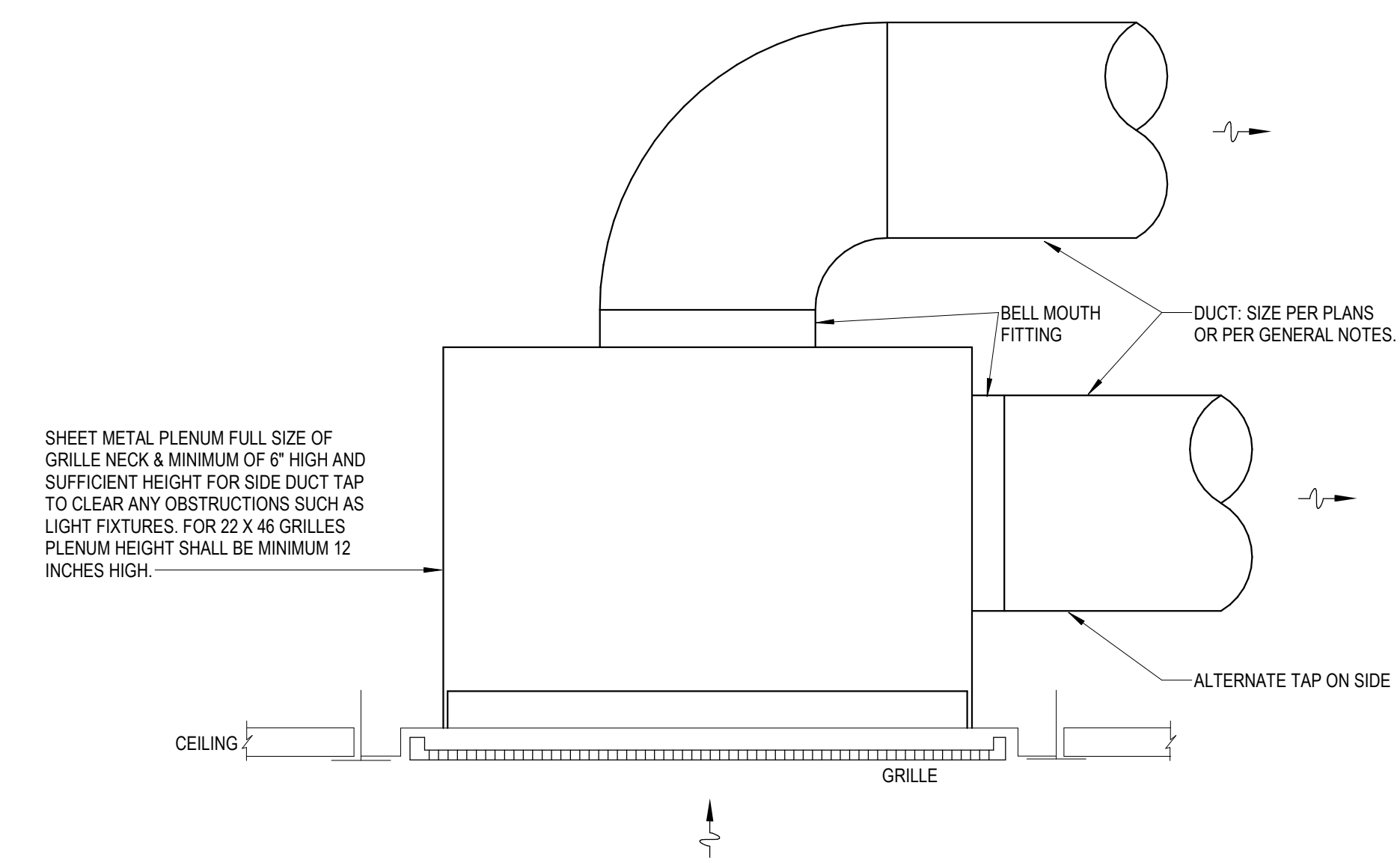
1. CONTRACTOR TO PROVIDE PIPING THE SAME FOR HEATING COIL IN HOT WATER REHEAT AIR TERMINAL AND FOR DUCT MOUNTED HOT WATER HEATING COILS.
2. MAINTAIN HOT WATER RETURN PIPING ELEVATION BELOW ELEVATION OF AIR VENT.



C. GRILLE RETURN OR EXHAUST CONNECTION - ROUND OR RECTANGULAR RUNOUT WITH HARD DUCT



B. GRILLE RETURN OR EXHAUST CONNECTION - ROUND RUNOUT WITH FLEXIBLE DUCT

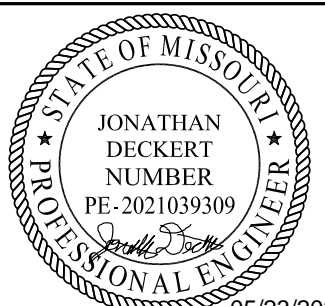


A. GRILLE RETURN OR EXHAUST CONNECTION - ROUND RUNOUT WITH HARD DUCT



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A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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DETAILS - MECHANICAL

M07-03

AIR DEVICE SCHEDULE								
DESIG.	SIZE	OBD	FINISH	THROW	NECK SIZE	MAX NC LEVEL	MANUFACTURER/MODEL NO.	REMARKS/NOTES
S1	24"X24"	NO	WHITE	ADJ. 4-WAY	NOTE 1	25	PRICE / SPD	CEILING PLAQUE SUPPLY DIFFUSER
S2	12"X12"	NO	WHITE	ADJ. 4-WAY	NOTE 1	25	PRICE/SPD	CEILING PLAQUE SUPPLY DIFFUSER
R1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / SPD	CEILING RETURN GRILLE
R2	12"X12"	NO	WHITE	-	NOTE 1	25	PRICE / SPD	CEILING RETURN GRILLE
R3	SEE PLANS	NO	WHITE	-	FULL SIZE	25	PRICE / 610Z	SIDEWALL RETURN GRILLE
E1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE/SPD	CEILING EXHAUST GRILLE
E2	12"X12"	NO	WHITE	-	NOTE 1	25	PRICE/SPD	CEILING EXHAUST GRILLE
E3	SEE PLANS	NO	WHITE	-	FULL SIZE	25	PRICE / 610Z	SIDEWALL EXHAUST GRILLE
GENERAL NOTES:								
A. CONTRACTOR TO COORDINATE FRAME STYLE WITH ARCHITECTURAL PLANS. FRAME TYPE SHALL MATCH CEILING TYPE AND MODULE DIMENSIONS.								
B. CONTRACTOR TO COORDINATE FINAL FINISHES WITH ARCHITECT. AIR DEVICES TO BE FACTORY PAINTED.								
C. NECK SIZES SHALL BE AS SCHEDULED UNLESS NOTED OTHERWISE ON PLANS.								
D. DUCT MOUNTED AIR DEVICES SHALL BE FLANGE MOUNTED. NO MOUNTING SCREWS SHALL BE VISIBLE EXCEPT ON EXPOSED DUCTWORK.								
NOTES:								
1.	6"Ø	0-100	CFM					
	8"Ø	101-225	CFM					
	10"Ø	226-400	CFM					
	12"Ø	401-600	CFM					
	14"Ø	601-900	CFM					
	15"x15"	901-1000	CFM					

FAN FILTER UNIT SCHEDULE											
DESIGNATION	ROOM(S)	MANUFACTURER	MODEL	FACE SIZE	AIR FLOW (CFM)	S/A CONNECTION (IN)	MOTOR		ELECTRICAL		NOTES
							(QTY)	(TYPE)	V/PH	FLA	
FFU-4	HD STERILE COMP ROOM	PRICE	FFU	24"X48"	665	12"	1	ECM	115 / 1	4.8	ALL
FFU-5	HD WORK/STOR	PRICE	FFU	24"X48"	665	12"	1	ECM	115 / 1	4.8	ALL
FFU-6	STERILE COMP	PRICE	FFU	24"X48"	350	12"	1	ECM	115 / 1	4.8	ALL
FFU-7	ANTE ROOM	PRICE	FFU	24"X48"	475	12"	1	ECM	115 / 1	4.8	ALL
NOTES:											
A GALVANIZED CONTROL BOX WITH DISCONNECT SWITCH											
B MOTOR/BLOWER AND CONTROLS ACCESSIBLE FROM ROOMSIDE AND TOPSIDE											
C ROOMSIDE REMOVABLE FILTER: HEPA 2" IEST RP C0001 TYPE J											
D PLENUM CONSTRUCTION: ALUMINUM PLENUM, EXTRUDED KNIFE EDGE FRAME											
E FACE CONSTRUCTION: ALUMINUM (EXTRUDED FRAME) WITH URETHANE GEL											
F PLENUM FINISH: B12 STANDARD WHITE											
G EC MOTOR 50/60 HZ 1 PHASE, CONSTANT TORQUE MOTOR PROGRAM											
H FORWARD CURVED WHEEL											
I BACNET FLOW CONTROLLER, MOTOR AND FILTER STATUS OVER BACNET											
J WASHABLE PRE-FILTER WITH SIDE ACCESS HOUSING											
K 1/2" DIAMETER BARNED ROOMSIDE AEROSOL INJECTION PORT											
L WALKABLE PLENUM, LAY-IN CEILING INSTALLATION, SQUARE INLET COLLAR											
M FILTER STATUS LIGHTS ON FACE OF DIFFUSER											

(E)AHU-8 TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE																
DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX COOLING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	H.W. COIL							MAX N.C.	JCI MODEL NUMBER	NOTES
							EAT DB °F	LAT DB °F	EWT °F	LWT °F	MAX WATER P.D. (FT)	MAX FLOW GPM	MIN ROWS			
VAV-8-1	8"	625	625	625	10 / 12	0.25	52	95	140	110	10	1.6	2	30	TSS-08	ALL
VAV-8-2	6"	325	325	325	8 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-06	1, 3-12
VAV-8-3	8"	575	575	575	10 / 12	0.25	52	95	140	110	10	1.4	2	30	TSS-08	1, 3-12
VAV-8-4	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	1, 3-12
VAV-8-5	6"	150	150	150	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12
VAV-8-6	8"	650	650	650	10 / 12	0.25	52	95	140	110	10	1.6	2	30	TSS-08	1, 3-12
VAV-8-7	8"	150	150	500	10 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-08	1, 3-12
VAV-8-8	12"	1,250	1,250	1,250	15 / 16	0.25	52	95	140	110	10	3.1	2	30	TSS-12	1, 3-12
VAV-8-9	6"	100	100	300	8 / 12	0.25	52	95	140	110	10	0.3	2	30	TSS-06	1, 3-12
VAV-8-10	6"	100	100	175	8 / 12	0.25	52	95	140	110	10	0.3	2	30	TSS-06	1, 3-12
VAV-8-11	8"	475	475	475	10 / 12	0.25	52	95	140	110	10	1.2	2	30	TSS-08	1, 3-12
VAV-8-12	8"	665	665	665	10 / 12	0.25	52	95	140	110	10	1.7	2	30	TSS-08	1, 3-12
VAV-8-13	8"	665	665	665	10 / 12	0.25	52	95	140	110	10	1.7	2	30	TSS-08	1, 3-12
VAV-8-14	10"	800	800	800	12.5 / 14	0.25	52	95	140	110	10	2.0	2	30	TSS-10	1, 3-12
VAV-8-15	6"	75	75	225	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
NOTES:																
1. MIN MBH = GPM x 15.																
2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.																
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.																
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.																
5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.																
6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.																
7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.																
8. H.W. COIL SHALL BE LOCATED AS DISCHARGE OF BOX.																
9. OUTLET PLENUM BY INCLUDED BY MANUFACTURER COORDINATE WITH RUNOUT SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.																
10. CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.																
11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED: 0 - 4.0 GPM : 3/4" 4.1 - 8.0 GPM : 1" 8.1 - 15.0 GPM : 1-1/4"																
12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.																

FAN SCHEDULE																
DESIGNATION	LOCATION	SERVES	CFM	ESP (IN WG)	BHP	MAX dBA	FAN DATA			ELECTRICAL MOTOR DATA			AVAILABLE FAULT SCOR (AMPS)	APPROX. WEIGHT (LBS)	MANUF. - MODEL	NOTES
							TYPE	RPM	DRIVE	HP	VOLT / PH	STARTER				
GEF-22	ATTACHED MOB ROOF (LEVEL 3)	GENERAL 1ST FLOOR	1200	1.5	0.56	64	CENTRIFUGAL BLOWER	1635	DIRECT	3 / 4	208 / 3	HOA	*	151	GREENHECK USF-13-B7	1-4, 6, 9
LEF-1	ATTACHED MOB ROOF (LEVEL 3)	LAB 1ST FLOOR	2775	2	1.68	77	CENTRIFUGAL BLOWER	2447	DIRECT	2	208 / 3	VFD	*	213	GREENHECK USF-13-B6	1-8
LEF-2	ATTACHED MOB ROOF (LEVEL 3)	HAZARDOUS COMPOUNDING 1ST FLOOR	1650	1.5	0.62	67	CENTRIFUGAL BLOWER	1804	DIRECT	3 / 4	208 / 3	VFD	*	151	GREENHECK USF-13-B7	1-8
NOTES:																
1 PROVIDE MOTORIZED BACKDRAFT DAMPER.																
2 PROVIDE BIRDSCREEN.																
3 24" HIGH STEEL CURB, INSULATED, SLOPED BASE, LEVEL TOP.																
4 SCROLL DRAIN PLUG, ALL WELDED STEEL FAN HOUSING, ALL WELDED STEEL FAN WHEEL, CLEAN OUT PLATE ON FAN HOUSING, 95% SPRING RUBBER VIBRATION ISOLATORS, MOTOR & DRIVE COVER, FLANGED DUCT OUTLET.																
5 UPBLAST DISCHARGE.																
6 PROVIDE FLEX CONNECTION AT FAN INLET.																
7 DISCONNECT SWITCH TO BE INTERLOCKED WITH VFD.																
8 EXHAUST STACK 10 FT FROM FINISHED ROOF.																
9 HORIZONTAL DISCHARGE.																

EXHAUST/RETURN AIR TERMINAL SCHEDULE								
DESIGNATION	SERVICE DESCRIPTION	ROOM(S)	MANUFACTURER / MODEL	CATALOG NUMBER	DUCT SIZE	CFM	V/PH	NOTES
EAV-1	EXISTING LEF-2	HD STERILE COMP ROOM	PHOENIX CONTROLS / THERIS TX	HEVA110M-ALDHZ	10"	815	120 / 1	ALL
EAV-2	EXISTING LEF-2	HD WORK/STOR	PHOENIX CONTROLS / THERIS TX	HEVA110M-ALDHZ	10"	815	120 / 1	ALL
NOTES:								
A THIRD PARTY FURNISHED CONTROLS SHALL BE FACTORY MOUNTED.								
B INLET SIZE SCHEDULED IS THE MINIMUM ALLOWABLE INLET SIZE. NO EXCEPTIONS.								
C AIR VALVE MANUFACTURER TO PROVIDE FACTORY INSTALLED CONTROL POWER (CP) TRANSFORMER. COORDINATE WITH ELECTRICAL DRAWINGS.								
D PROVIDE THE FOLLOWING ACCESSORIES: FUME HOOD DISPLAY (FHD500-DHV), VERTICAL SASH SENSOR (VSS4-0100-A), AND ZONE PRESENCE SENSORS (ZPS310)								

Devenney GROUP

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Consultant:

WSP

STATE OF MISSOURI
JONATHAN DICKERT
REGISTERED PROFESSIONAL ENGINEER
PE-2021039309
05/23/2025
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CITY OF LEE

GENERAL NOTES

- A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
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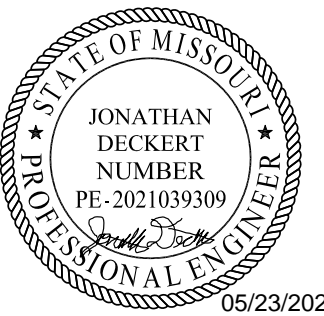
LEGEND NOTES

1. DEMOLISH EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK TO POINT SHOWN.
2. DEMOLISH EXHAUST FAN AND ASSOCIATED DUCTWORK. CAP ROOF CURB AND INSULATE.
3. DEMOLISH EXISTING EXHAUST FAN ELECTRICAL CONNECTION. REMOVE DEMOLISHED CONDUIT AND WIRING BACK TO SOURCE. UPDATE PANEL DIRECTORY INDICATING NEW 'SPARE' CIRCUIT BREAKERS AND PUT 'SPARE' CIRCUIT BREAKERS IN THE OFF POSITION.



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ATTACHED MOB ROOF
DEMOLITION PLAN

MEPD02-03

D.5

D.6

E

F

G

G.7

H

H.3

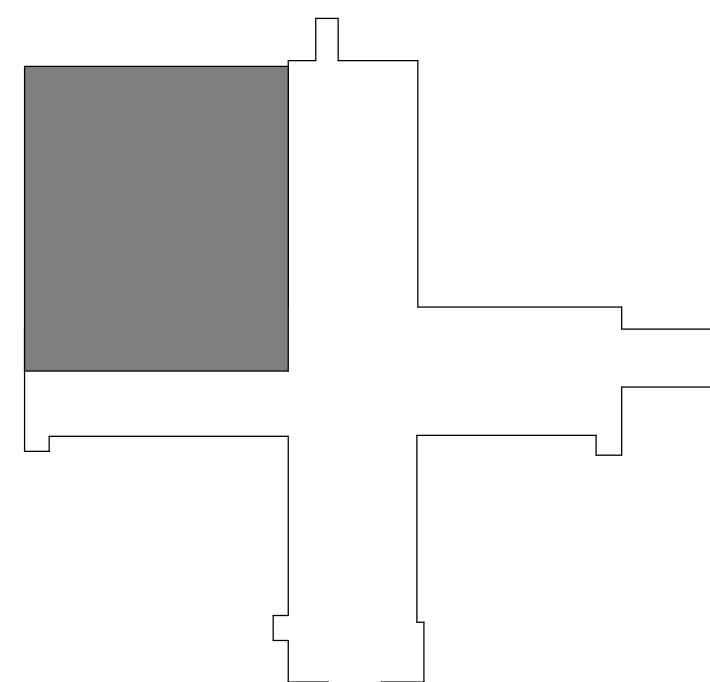
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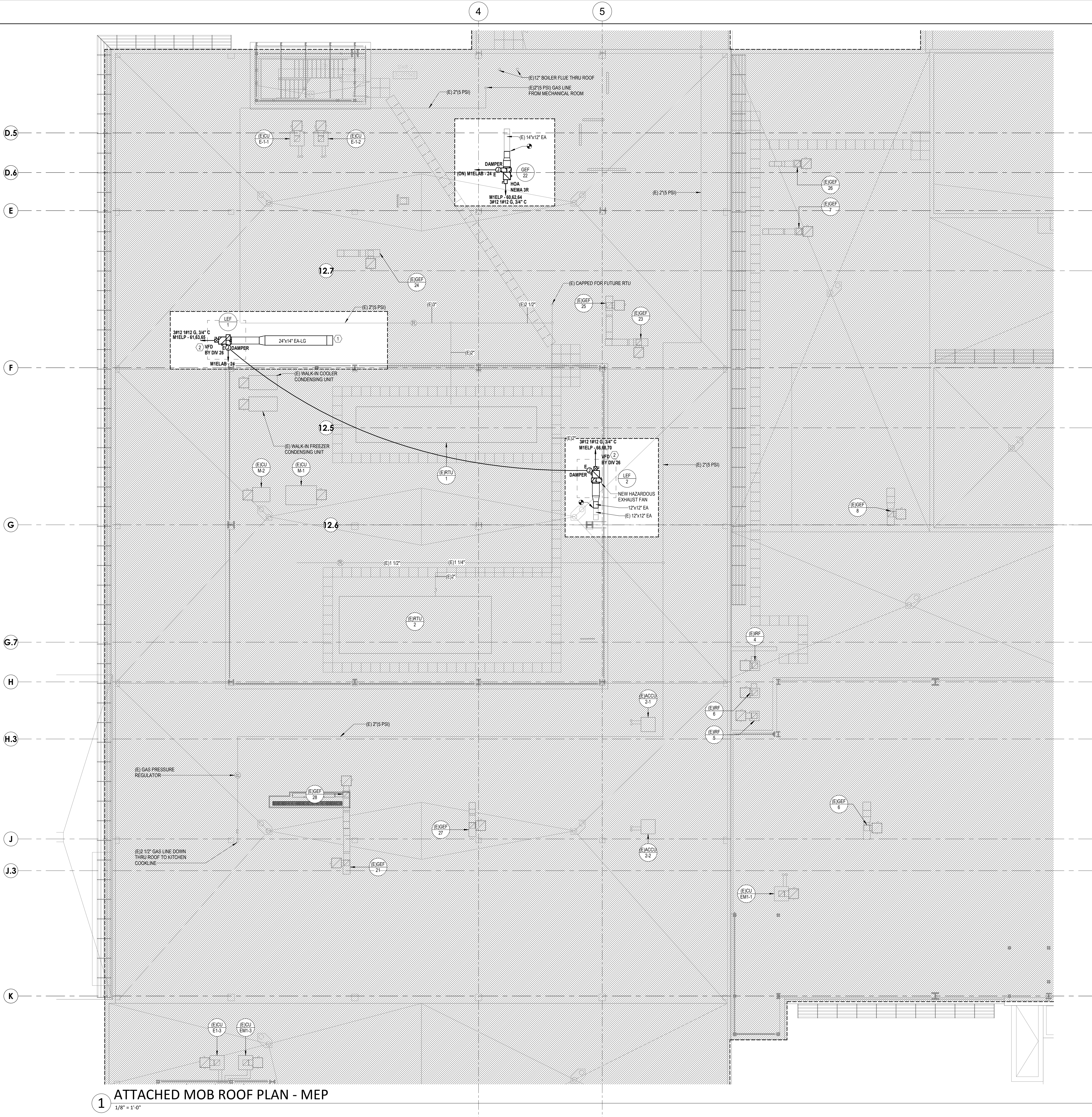
J.3

K

1 MOB DEMO ROOF PLAN - MEP
1/8" = 1'-0"

LEVEL 3 - KEY PLAN





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- C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
- D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
- E. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- F. REFER TO SHEET E00 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
- G. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES.
- H. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE-SMOKE DAMPERS, VAV BOXES, FCUS, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR.
- I. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

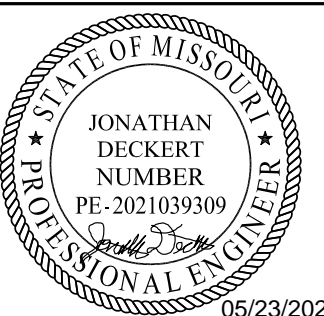
LEGEND NOTES

- 1. 24"x14" EA-LG DUCTWORK DOWN TO SHAFT BELOW.
- 2. PROVIDE WEATHER PROOF ENCLOSURE FOR VFD.



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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

ATTACHED MOB ROOF PLAN
- MEP

MEP02-03

1 ATTACHED MOB ROOF PLAN - MEP
1/8" = 1'-0"

A. SUPPLEMENTAL GENERAL CONDITIONS

- THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE WITH ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE, INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING ELECTRICAL SYSTEM IN SAFE WORKING ORDER.
- SYMBOLS FOR VARIOUS ELEMENTS AND SYSTEMS ARE SHOWN ON THE DRAWINGS. SHOULD THERE BE ANY DOUBT REGARDING THE MEANING OR INTENT OF THE SYMBOLS, AN INTERPRETATION SHALL BE OBTAINED FROM THE ARCHITECT IN WRITING. THE DECISION OF THE ARCHITECT SHALL BE FINAL.
- IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO EXAMINE THE CONTRACT DOCUMENTS CAREFULLY BEFORE SUBMITTING THEIR BID, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION, CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION. SHOULD ANY OF THESE ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES EXIST, THE CONTRACTOR SHALL HAVE THEM EXPLAINED AND ADJUSTED IN WRITING BEFORE SIGNING THE CONTRACT OR PROCEEDING WITH THE WORK. OTHERWISE, THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, SUPPLY THE PROPER MATERIALS AND LABOR TO MAKE GOOD ANY DAMAGE OR DEFECTS IN THEIR WORK OR THE RESULTS OBTAINED THEREFROM, CAUSED BY SUCH DISCREPANCY.
- WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, THE BETTER QUALITY, OR LARGER SIZE SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING.
- THE SCALE OF EACH DRAWING IS RELATIVELY ACCURATE; ANY DIMENSIONS SHOWN ARE APPROXIMATE TO CENTERLINE FROM ASSUMED BUILDING PERIMETER. THE CONTRACTOR SHALL OBTAIN THE NECESSARY DIMENSIONS FOR ANY EXACT TAKEOFFS FROM THE ARCHITECT. NO ADDITIONAL COST TO THE OWNER WILL BE CONSIDERED FOR FAILURE TO OBTAIN EXACT DIMENSIONS WHERE NOT CLEAR OR IN ERROR ON THE DRAWINGS, ANY DEVICE OR FIXTURE REQUIRED IN IMPROPERLY AND NOT POSITIONED ON IMPLIED CENTERLINES OR AS REQUIRED BY GOOD PRACTICE MUST BE REPOSITIONED AT NO COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND CERTIFICATES OF INSPECTION. THE CONTRACTOR SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER INCLUDING COPIES WITH MAINTENANCE MANUALS.
- ONLY EXPERIENCED CRAFTSMEN WITH KNOWLEDGE IN THEIR RESPECTIVE TRADE SHALL PERFORM THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA STANDARD 70 (NATIONAL ELECTRICAL CODE). CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE LOCAL CODES AND AMENDMENTS. UNLESS OTHERWISE INDICATED, ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND SHALL MEET NEMA AND ANSI STANDARDS. THEY SHALL ALSO BE LISTED/LABELLED BY A NATIONALLY RECOGNIZED LABORATORY IN ACCORDANCE WITH NFPA 70. EQUIPMENT AND MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, AND WITHIN THEIR LISTING/LABELLING REQUIREMENTS AND RESTRICTIONS.
- PROVIDE SHOP DRAWINGS FOR ENGINEERS REVIEW FOR ALL ELECTRICAL EQUIPMENT, DEVICES, AND MATERIALS PROPOSED TO BE PROVIDED UNDER THIS CONTRACT. ANY DEVIATIONS FROM ITEMS SPECIFIED SHOULD BE CLEARLY IDENTIFIED AND SEPARATELY SUBMITTED WITH A FORMAL SUBSTITUTION REQUEST. REFER TO SPECIFICATIONS (PROJECT MANUAL) FOR REQUIREMENTS.

B. ELECTRICAL EQUIPMENT

- PROVIDE AN IDENTIFICATION NAMEPLATE FOR EACH ELECTRICAL EQUIPMENT. APPURTENANCE DEPICTING THE DESIGNATION INDICATED ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- WEATHERPROOF ENCLOSURES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT, DEVICES AND APPURTENANCES (ALL SYSTEMS) INSTALLED OUTDOORS.
- COORDINATE AND SCHEDULE ALL POWER OUTAGES WITH OWNER. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- SPACE ALLOCATIONS FOR MATERIALS, EQUIPMENT AND DEVICES HAVE BEEN MADE ON THE BASIS OF PRESENT AND KNOWN FUTURE REQUIREMENTS AND THE DIMENSIONS OF ITEMS OF EQUIPMENT OR DEVICES OF A PARTICULAR MANUFACTURER. THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, EQUIPMENT AND DEVICES PROPOSED FOR USE ON THIS PROJECT ARE WITHIN THE CONSTRAINTS OF THE ALLOCATED SPACE.
- DO NOT USE PERMANENT INK WHEN MAKING FIELD MARKINGS OR TEMPORARY CIRCUIT LABELS ON PANELS. CONTRACTOR SHALL USE REMOVABLE TAPE/TAGS FOR ALL TEMPORARY MARKINGS AND SHALL REMOVE THESE TEMPORARY MARKINGS AT THE CONCLUSION OF THIS PROJECT.

C. SITE WORK

- COORDINATE WITH THE SITE WORK FOR THE LOCATION, DIMENSIONS AND ELEVATION OF ALL DUCTBANKS/SERVICE CONDUITS EXTERNAL TO THE BUILDING PRIOR TO INSTALLATION OF ALL DUCTBANKS/SERVICE CONDUITS INTERNAL TO THE BUILDING.
- COORDINATE ALL ELECTRICAL UTILITY SERVICE REQUIREMENTS WITH UTILITIES REPRESENTATIVE PRIOR TO COMMENCING ANY ELECTRICAL SITE WORK. CONTRACTOR SHALL SCHEDULE ALL NECESSARY MEETINGS BETWEEN UTILITY COMPANIES, CONSTRUCTION FOREMAN, ELECTRICAL SUBCONTRACTORS, AND VARIOUS SUBCONTRACTORS RESPONSIBLE FOR SITE CONSTRUCTION PRIOR TO ELECTRICAL ROUGH-IN.

D. CONDUIT & RACEWAY

- ALL WORK SHALL BE COORDINATED SO THAT INTERFERENCES ARE AVOIDED. PRIOR TO ANY NECESSARY OFFSETS IN CONDUITS, RACEWAYS, ETC., REQUIRED TO PROPERLY INSTALL THE WORK. EXPOSED WORK MUST BE KEPT AS CLOSE AS POSSIBLE TO VERTICAL, HORIZONTAL, OR ANGLED, AND SHALL BE PROTECTED FROM DAMAGE. ALL OFFSETS, FITTINGS, ETC., REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WORK SHALL BE COORDINATED WITH OTHER TRADES.
- CONDUIT RUNS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NFPA 70 AND FOR COORDINATION WITH OTHER DISCIPLINES.
- PENETRATIONS OF WALLS, FLOORS, AND ROOFS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF, AND FIRE PROOF INTEGRITY OF THE WALL, FLOOR, OR ROOF SYSTEM PENETRATED. SEAL ALL CONDUITS THAT PENETRATE THE BASEMENT FLOOR SLAB TO MAKE THEM WATER TIGHT. THE CONDUITS SHALL BE CURED PRIOR TO INSTALLATION OF WIRE/CABLE AND SHALL BE SEALED AT TERMINATIONS.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE MADE IN ACCORDANCE WITH U.L. "FIRE RESISTANCE DIRECTORY". PENETRATIONS SHALL BE SEALED AND SEALED WITH A UL APPROVED FIRE RATED SEALANT. REFER TO ARCHITECTURAL PLANS FOR FIRE RATED WALLS.
- ALL EMPTY CONDUIT SYSTEMS SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.

F. BRANCH CIRCUITS AND FEEDERS

- CIRCUITING IS SHOWN DIAGRAMMATICALLY. HOMERUNS SHALL BE COMBINED WHERE POSSIBLE IN ACCORDANCE TO NFPA 70.
- UNLESS OTHERWISE INDICATED, ALL CIRCUITS 100' OR LESS SHALL BE MINIMUM #12 AWG WIRE SIZE. CIRCUITS OVER 100' BUT LESS THAN 200' SHALL BE MINIMUM #10 AWG WIRE SIZE. CIRCUITS OVER 200' BUT LESS THAN 300' SHALL BE MINIMUM #8 AWG WIRE SIZE.
- UNLESS OTHERWISE INDICATED, ALL CONDUCTORS SHALL BE COPPER. 98% CONDUCTIVITY CONTINUOUS FROM OUTLET TO OUTLET.
- UNLESS OTHERWISE INDICATED, CONDUCTOR SIZES #12 AWG AND #10 AWG SHALL BE SOLID. CONDUCTOR SIZES #8 AWG AND LARGER MAY BE STRANDED.
- A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED WITH THE CIRCUIT CONDUCTORS FOR GROUNDING WHETHER OR NOT INDICATED ON THE DRAWINGS. METAL RACEWAY, OR A CABLE ARMOR OR SHEATH SHALL NOT BE USED AS THE ONLY EQUIPMENT GROUNDING CONDUCTOR.
- HOMERUN CIRCUITS FOR ISOLATED GROUND RECEPTACLES SHALL BE SEPARATED FROM OTHER CIRCUITS. EACH CIRCUIT SHALL HAVE ITS OWN NEUTRAL CONDUCTOR AND EACH HOMERUN SHALL CONTAIN AN ISOLATED AND EQUIPMENT GROUND CONDUCTOR.

F. WIRING DEVICES

- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION AND MOUNTING HEIGHT OF ALL WALL AND FLOOR MOUNTED ELEMENTS (OUTLETS, LIGHT SWITCHES, CONTROLLERS, POKE-THRU, ETC.). ALL WALL/FLOOR MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL WALL/FLOOR TYPES IN ALL AREAS. DO NOT SCALE OR DIMENSION LOCATIONS FROM THESE DRAWINGS.
- COORDINATE THE LOCATION AND INSTALLATION DETAIL OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS (WALL ELEVATIONS, MILLWORK DETAILS, ETC.) AND WITH MILLWORK MANUFACTURER PRIOR TO ELECTRICAL ROUGH-IN.
- WALL AND FLOOR MOUNTED POWER RECEPTACLES SHOWN NEAR DATA OUTLETS SHALL BE LOCATED WITHIN SIX (6) INCHES OF THE DATA OUTLET. LOCATE AT SAME MOUNTING HEIGHT UNLESS NOTED OTHERWISE.
- VERIFY THE EXACT POWER CONNECTION TYPE AND NEMA CONFIGURATION OF RECEPTACLES FOR EQUIPMENT FURNISHED BY THE OWNER, OTHER TRADES, OR UNDER A SEPARATE SECTION OF THIS CONTRACT PRIOR TO ELECTRICAL ROUGH-IN.
- ALL RECEPTACLES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE HOUSED IN ENCLOSURES THAT ARE RATED WEATHERPROOF-WHILE-IN-USE AND SHALL BE EQUIPPED WITH GFCI FOR PERSONNEL PROTECTION. ALL GFCI RECEPTACLES SHALL BE CONNECTED SO THAT ALL DEVICES ON THE SAME CIRCUIT AS THE GFCI RECEPTACLE DO NOT DE-ENERGIZE UPON TRIPPING. ALL GFCI RECEPTACLES SHALL INCLUDE A LOCK-OUT FUNCTION TO PROTECT AGAINST THE USE OF MISWIRED DEVICES OR DEVICES THAT HAVE BEEN DAMAGED DUE TO DISABLING SURGES.

G. LIGHTING SYSTEM

- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION OF ALL CEILING ELEMENTS (LIGHTS, SPRINKLERS, DIFFUSERS, ETC.). ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS. DO NOT SCALE OR DIMENSION LOCATIONS FROM THESE DRAWINGS.
- PROVIDE AND INSTALL ALL SUPPORTS FOR LIGHT FIXTURES. SUPPORTS SHALL BE INDEPENDENT OF THE CEILING GRID SUPPORT SYSTEM.
- LIGHT SWITCHES / OCCUPANCY SENSORS LOCATED IN A ROOM SHALL CONTROL ALL THE LIGHT FIXTURES IN THAT ROOM UNLESS NOTED OTHERWISE. CONTRACTOR SHALL GANG TOGETHER ALL SWITCHES/DIMMERS UNDER A SINGLE COVER PLATE IN ALL AREAS THAT REQUIRE MORE THAN ONE SWITCH TO CONTROL ELECTRICAL DEVICES.
- IN INSTANCES WHERE A TRACK LIGHTING SYSTEM, DIMMING SYSTEM, AND/OR LIGHTING CONTROL SYSTEM IS SPECIFIED, THE CONTRACTOR SHALL COORDINATE ALL NECESSARY COMPONENTS OF SUCH SYSTEMS WITH THE MANUFACTURER PRIOR TO BID AND INCLUDE ALL NECESSARY ACCESSORIES TO INSTALL A COMPLETE AND FUNCTIONING SYSTEM.

H. MECHANICAL & PLUMBING COORDINATION

- REFERENCE THE MECHANICAL AND PLUMBING DRAWINGS FOR ALL EQUIPMENT NEEDING ELECTRICAL CONNECTIONS. MAKE ALL CONNECTIONS AND PROVIDE APPROPRIATE WIRE, CONDUIT, AND OVERCURRENT PROTECTION FOR ALL EQUIPMENT.
- VERIFY EXACT LOCATION OF ALL POWER CONNECTIONS AND CONTROL DEVICES WITH OTHER TRADES AND MANUFACTURERS SHOP DRAWINGS BEFORE CONSTRUCTION. COORDINATE ALL REQUIRED ENERGY MANAGEMENT SYSTEM POINTS AND CONTACT CONNECTIONS TO ENSURE THE COMPLETE AND PROPER OPERATION OF ALL SYSTEMS.
- ALL FUSED SWITCH AND/OR CIRCUIT BREAKERS SERVING EQUIPMENT SHALL HAVE PROVISIONS FOR HANDLE LOCKS.
- ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BEAR AN HACR RATING.
- ALL DISCONNECTS DOWN STREAM OF VFDs SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN STRAIGHT VFD WHEN SWITCH IS OPENED.
- COORDINATE BETWEEN TRADES AND PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC. AS REQUIRED TO ENSURE A COMPLETE, FULLY FUNCTIONAL HVAC SYSTEM. SHOULD AN EXACT CIRCUIT NUMBER NOT BE INDICATED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL UTILIZE AVAILABLE 20A/1P SPACE FROM THE NEAREST 200Y/120V PANEL OR FROM BUILDING CONTROL POWER DISTRIBUTION SYSTEM.

I. SPECIAL SYSTEMS (A. DATA/PHONE/SECURITY/CATV)

- CONTRACTOR SHALL PROVIDE AND INSTALL AN EMPTY CONDUIT RACEWAY SYSTEM FOR SPECIAL SYSTEM. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN VENDOR SHOP DRAWINGS FROM THE VENDOR/INSTALL PRIOR TO ELECTRICAL ROUGH-IN. CONTRACTOR SHALL COORDINATE, PROVIDE AND INSTALL ALL REQUIRED RACEWAYS AND DEVICE BACK BOXES AS REQUIRED BY VENDOR SHOP DRAWINGS. CONTRACTOR TO PROVIDE A ONE INCH ALLOWANCE IN BID AS NECESSARY TO COVER THIS SCOPE. REFER TO T SERIES AND AV SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.

A. DEMO GENERAL NOTES

- PROVIDE UPDATED, TYPE WRITTEN DIRECTORY OF ALL CORRECT CIRCUITS WITH LOAD DEFINITIONS FOR EACH PANEL BOARD. DIRECTORY SHALL BE LOCATED INSIDE PANEL DOOR.
- INFORMATION PROVIDED ON THESE DRAWINGS HAVE BEEN TAKEN FROM DESIGN DRAWING AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PRICING AND COMMENCEMENT OF WORK.
- WHERE EXISTING WALLS ARE DEMOLISHED, REMOVE ALL EXISTING ELECTRICAL DEVICES AND THEIR ASSOCIATED CONDUITS AND WIRING BACK TO THE POINT OF ORIGIN. ENERGIZE ALL EXISTING DEVICES THAT WERE INTERRUPTED DURING DEMOLITION. WHERE ENTIRE CIRCUITS ARE REMOVED, TURN THE CIRCUIT BREAKER OFF AND LABEL AS "SPARE".
- PROVIDE FOR ANY AND ALL DEMOLITION WORK NECESSARY TO ACCOMMODATE ALL NEW CONSTRUCTION, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING OR ELECTRICAL WORK.
- IF DEMOLITION IS REQUIRED TO INSTALL AN ITEM, THE CONTRACTOR SHALL RESTORE THE AREA TO PREVIOUS CONDITION, OR REPLACE DAMAGED ITEMS WITH NEW ITEMS TO MATCH EXISTING.
- DESIGNATION "EX" REPRESENTS EXISTING DEVICE OR LIGHT FIXTURE TO REMAIN AS CIRCUITED AND SWITCHED UNLESS NOTED OTHERWISE. EXISTING LIGHT FIXTURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
- A DEVICE WITH AN "X" INDICATES EXISTING DEVICE TO BE REMOVED INCLUDING ALL ASSOCIATED CONDUIT AND WIRING.
- A DEVICE WITH AN "R" INDICATES EXISTING DEVICE TO BE RELOCATED INCLUDING ALL ASSOCIATED CONDUIT AND WIRING.
- CONTRACTOR SHALL REMOVE ALL CONDUIT AND WIRING ASSOCIATED WITH DEVICES AND EQUIPMENT TO BE REMOVED AND/OR RELOCATED UNLESS NOTED OTHERWISE. PROVIDE AND INSTALL ALL NECESSARY DEVICES, EQUIPMENT AND ACCESSORIES REQUIRED TO MAINTAIN SERVICE TO ALL "EXISTING" TO REMAIN DEVICES AND EQUIPMENT THAT MAY BE INTERRUPTED DURING DEMOLITION.
- WHERE EXISTING MECHANICAL/PLUMBING EQUIPMENT IS DEMOLISHED, REMOVE ALL RELATED ELECTRICAL FEEDS TO THE EQUIPMENT AND THEIR ASSOCIATED CONDUITS BACK TO THE POINT OF ORIGIN.
- REFER TO ARCHITECTURAL PLANS FOR AREAS WHERE CEILING IS DEMOLISHED. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED CONDUIT AND WIRING FROM THESE LOCATIONS.
- ALL RECEPTACLES WITHIN THE PROJECT SCOPE SHALL BE HOSPITAL GRADE TYPE. IF A DEVICE IS INDICATED AS EXISTING TO REMAIN AND IS NOT A HOSPITAL GRADE RECEPTACLE, REPLACE THE EXISTING DEVICE WITH A HOSPITAL GRADE RECEPTACLE AND RECONNECT TO EXISTING CIRCUIT.
- ALL LIGHTING FIXTURES DEMOLISHED UNDER THESE DRAWINGS SHALL BE RETURNED TO THE OWNER.

FIRE ALARM SYSTEM

FIRE ALARM SYSTEMS IS A DELGATED DESIGN. THESE DRAWINGS ARE INTENDED TO SHOW GENERAL GUIDELINES FOR THE PLACEMENT OF FIRE ALARM DEVICES AS THEY RELATE TO OTHER (NON-FIRE ALARM) SYSTEMS AND FOR PERMITTING PURPOSES. THE FINAL FIRE ALARM PLANS TO BE SUBMITTED FOR AHJ APPROVAL SHALL BE PRODUCED AND SEALED BY A NICET LEVEL II CERTIFIED DESIGNER. REFER TO THE SPECIFICATIONS (PROJECT MANUAL) FOR FURTHER REQUIREMENTS. THE DESIGNER SHALL PROVIDE ALL DEVICES SHOWN ON THESE DRAWINGS AND ANY ADDITIONAL DEVICES OR COMPONENTS REQUIRED FOR A COMPLETE SYSTEM. IF OTHER DEVICES ARE ANTICIPATED TO BE REQUIRED FOR SYSTEM FUNCTIONALITY, COMPLIANCE WITH NATIONAL AND LOCAL CODES OR APPROVAL OF THE AHJ, THE CONTRACTOR SHALL QUALIFY THEIR BID AND SHALL PROVIDE AN ADO ALTERNATE PRICE MARKING NOTE OF THE SPECIFIC ANTICIPATED ADDITIONAL REQUIREMENTS.

BUILDING CODE: 2018 IBC
FIRE CODE: 2018 IFC
ELECTRICAL CODE: 2017 NFPA 70 (NEC)
BUILDING CONSTRUCTION TYPE: TYPE 1A - FULLY SPRINKLERED
OCCUPANCY: TYPE II

PROJECT DESIGN CRITERIA

LOCATION: CITY/STATE
LEES SUMMIT, MO
APPLICABLE CODES:
BUILDING: 2018 INTERNATIONAL BUILDING CODE
MECHANICAL: 2018 INTERNATIONAL MECHANICAL CODE
PLUMBING: 2018 INTERNATIONAL PLUMBING CODE
FIRE: 2018 INTERNATIONAL FIRE CODE
ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE
LATITUDE: 38.9108° DEGREES NORTH
ELEVATION: FT. ABOVE SEA LEVEL
738 FT

ELECTRICAL ABBREVIATIONS

AF	ABOVE FINISHED COUNTER	MDP	MAIN DISTRIBUTION PANEL
AF	ABOVE FINISHED FLOOR	MAN	MANUAL
AHJ	AUTHORITY HAVING JURISDICTION	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MTO	MOUNT OR MOUNTED
BOF	BELOW FINISHED CEILING	MW	MICROWAVE
BOF	BOTTOM OF FIXTURE	N	NEW DEVICE
CB	CIRCUIT BREAKER	NC (N.C.)	NORMALLY CLOSED
CB OR CKT BRK	CIRCUIT BREAKER	NEC	NATIONAL ELECTRIC CODE
CKT	CLOSED CIRCUIT T.V.	NF	NOT IN CONTRACT
CLG	CEILING	NIGHT	NIGHT LIGHT
CLG	CEILING (EMERGENCY SYSTEM)	NO (N.O.)	NORMALLY OPEN
CR	CABINET/HEATER	PB	PULL BOX
E	EMPTY CONDUIT	PLC/MLD	PLUG/MLD
ELEC	ELECTRIC	PNL	PANEL
EMS	ENERGY MANAGEMENT SYSTEM	PWR	POWER
EP	EXPLOSION PROOF	R	RELOCATED DEVICE
EX	EXISTING	RCPT(S) OR	RECEPTACLE(S)
EX	ELECTRIC WATER COOLER	REF	REFRIGERATOR
FA	FIRE ALARM	RF	RETURN AIR FAN
FACU, FAP	FIRE ALARM CONTROL PANEL	SEF	SMOKE EXHAUST FAN
FAN	FAN COIL UNIT	SF	SUPPLY AIR FAN
FIXT	FIXTURE	SO (S.O.)	SPACE ONLY
FLR	FLOOR	SP	SPARE
FLUOR	FLUORESCENT	ST (S.T.)	SHUNT TRIP
FIT, FTS OR FTU	FAN TERMINAL UNIT	SW	SWITCH
FUT	FUTURE	TEL	TELEPHONE
G, GND	GROUND (EQUIPMENT)	TF	TRANSFER FAN
GEN	GENERAL EXHAUST FAN	TP	TAMPER PROOF
GFCI, GFI	GROUND FAULT CIRCUIT INTERRUPTER	TVSS	TRANSIENT VOLTAGE SURGE
HDA	HAND-OFF-AUTO	UDERFLOOR	UNDERFLOOR
HP	HORSE POWER	UG	UNDERGROUND
HV	HIGH VOLTAGE	UNIT HEATER	UNIT HEATER
HVAT	HEAT TRACE	UNO (UN.O.)	UNLESS NOTED OR INDICATED OTHERWISE
IC	INTERRUPTING CAPACITY	V	VOLTAGE
ICAND	INCANDESCENT	VFD	VARIABLE FREQUENCY DRIVE
IG	ISOLATED GROUND	VP	VAPOR PROOF
IGF	GROUND FAULT INDICATION ONLY	VAR	VARIABLE VOLUME UNIT
JB	JUNCTION BOX	W	WIRE
KEF	KITCHEN EXHAUST FAN	WI	WITH
LB	LABEL PRINTER	WO	WIRE GUARD
LFT	LIGHTING	WP	WEATHER PROOF
LTS	LIGHTS	WT	WATER TIGHT
LV	LOW VOLTAGE	WTR	WATER
LV	LOW VOLTAGE	WTR	WATER
MATV	MASTER ANTENNA	WTR	WATER
MCB	MAIN CIRCUIT BREAKER	WTR	WATER
MCC	MOTOR CONTROL CENTER	WTR	WATER

GENERAL NOTATIONS AND MOUNTING HEIGHTS

NOTE 1: ALL MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE, UNLESS OTHERWISE INDICATED.

- 48" AFF INDICATES TO TOP OF DEVICE.
- 15" AFF INDICATES TO BOTTOM OF DEVICE.
- 60" AFF INDICATES TO BOTTOM OF DEVICE.
- 80" AFF INDICATES TO BOTTOM OF DEVICE.

NOTE 2: CONFIRM ALL BACKBOX SIZE WITH VENDOR SHOP DRAWINGS PRIOR TO ELECTRICAL ROUGH-IN.

- LEGEND NOTES: DENOTES "SEE LEGEND NOTE NO. 2"

- EQUIPMENT (ID) NUMBER FOR FOOD SERVICE EQUIPMENT. REFER TO FOOD SERVICE DOCUMENTS FOR DEFINITION AND REQUIREMENTS.

- DENOTES: REFERENCE DETAIL 02 ON DRAWING (SHEET) E7 01

- DENOTES: REFERENCE ENLARGED DETAIL PLAN 02 ON DRAWING (SHEET) E5 01

- EQUIPMENT (ID) NUMBER FOR OWNER PROVIDED EQUIPMENT. REFER TO OWNER'S EQUIPMENT BOOK / FFE DOCUMENTS FOR DEFINITION AND REQUIREMENTS.

FIRE ALARM SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	FIRE ALARM PULL STATION WALL MOUNTED	48" AFF
	FIRE ALARM AUDIBLE VISUAL SIGNAL WALL MOUNTED (X: H-HORN, S-SPEAKER)	80" AFF
	FIRE ALARM AUDIBLE SIGNAL WALL MOUNTED (X: H-HORN, S-SPEAKER)	80" AFF
	FIRE ALARM VISUAL SIGNAL WALL MOUNTED	80" AFF
	FIRE ALARM AUDIBLE VISUAL SIGNAL CEILING MOUNTED (X: H-HORN, S-SPEAKER)	-
	FIRE ALARM AUDIBLE SIGNAL CEILING MOUNTED (X: H-HORN, S-SPEAKER)	-
	FIRE ALARM VISUAL SIGNAL CEILING MOUNTED	-
	FIRE ALARM SPRINKLER FLOW SWITCH	-
	FIRE ALARM SPRINKLER TAMPER SWITCH	-
	FIRE ALARM SPRINKLER PRESSURE SWITCH	-
	SMOKE DETECTOR WALL MOUNTED	9" BFC
	SMOKE DETECTOR CEILING MOUNTED	-
	PATIENT ROOM SMOKE DETECTOR	-
	DUCT SMOKE DETECTOR	-
	FIRE AND SMOKE DAMPER	-
	HEAT DETECTOR WALL MOUNTED	9" BFC
	HEAT DETECTOR CEILING MOUNTED	-
	ELECTRO-MAGNETIC DOOR HOLDER	AS REQUIRED
	ELECTRO-MAGNETIC SMOKE DOOR HOLDER (INTERFACED WITH FIRE ALARM SYSTEM) DC POWER PROVIDED BY FIRE ALARM WIRING	AS REQUIRED
	FIRE ALARM BELL	108" AFF
	MONITOR MODULE	AS REQUIRED
	FIRE ALARM CONTROL PANEL	AS REQUIRED
	FIRE ALARM ANNUNCIATOR PANEL	AS REQUIRED
	FIRE PUMP ANNUNCIATOR PANEL	AS REQUIRED
	FIREFIGHTER'S CONTROL PANEL	AS REQUIRED
	NOTIFICATION APPLIANCE CIRCUIT	AS REQUIRED
	FOUR CIRCUIT FIRE ALARM INDICATING CIRCUIT POWER EXTENDER	48" AFF
	TELEPHONE JACK FOR FIREMAN'S PHONE (BY FIRE ALARM CONTRACTOR)	48" AFF
	WARDEN STATION TELEPHONE FOR FIREMAN'S PERMANENT HANDSET (BY FIRE ALARM CONTRACTOR)	48" AFF

ONE-LINE DIAGRAM & RISER SYMBOLS LEGEND

	AUTOMATIC / MANUAL TRANSFER SWITCH - PROGRAMMED OR DELAYED TRANSITION		AUTOMATIC / MANUAL TRANSFER SWITCH - BYPASS ISOLATION
	DISCONNECT		FEEDER TAG. REFER TO FEEDER SCHEDULE FOR NUMBER AND SIZE OF CONDUCTORS AND CONDUIT. A-ALUMINUM C-COPPER
	MOTOR		GROUNDING ELECTRODE
	BRANCH PANEL		TRANSFORMER
	BOLT ON CIRCUIT BREAKER		DRAW OUT CIRCUIT BREAKER
	LSIG = LONG TIME SETTING S = SHORT TIME SETTING I = INSTANTANEOUS SETTING G = GROUND FAULT SETTING A = INDICATION GROUP FAULT (GROUND FAULT ALARM ONLY)		GROUND BAR
	PATIENT GROUND BAR		BUILDING AUTOMATION SYSTEM

POWER SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	SINGLE RECEPTACLE - 20A/125V/2P/3WG NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE - 20A/125V/2P/3WG NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	18" AFF
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3WG NEMA 5-20R	18" AFF
	EMERGENCY DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3WG NEMA 5-20R	8" AFC OR 42" AFF
	DUPLEX RECEPTACLE MOUNTED HORIZONTALLY	18" AFF
	DUPLEX RECEPTACLE GFCI, TAMPER RESISTANT, WEATHER RESISTANT, HOUSED IN A "WEATHERPROOF-WHILE-IN-USE" ENCLOSURE - 20A/125V/2P/3WG NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP	8" AFC OR 42" AFF
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP ON EMERGENCY CIRCUIT	8" AFC OR 42" AFF
	QUADRAX RECEPTACLE (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	18" AFF
	QUADRAX RECEPTACLE ON EMERGENCY CIRCUIT (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	18" AFF
	QUADRAX RECEPTACLE MOUNTED ABOVE COUNTERTOP (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	8" AFC OR 42" AFF
	QUADRAX RECEPTACLE MOUNTED ABOVE COUNTERTOP ON EMERGENCY CIRCUIT (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	8" AFC OR 42" AFF
	EMERGENCY SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)	18" AFF
	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)	18" AFF
	FLOOR MOUNTED RECEPTACLE IN FLOOR BOX OR POKE-THRU DEVICE - FLUSH MOUNTED, UNO	FLUSH W/ FLR SURFACE
	CEILING MOUNTED RECEPTACLE - CONFIGURATION UNO	FLUSH W/ CLG SURFACE
	JUNCTION BOX - SIZE & MOUNTING AS REQUIRED	AS REQUIRED
	POWER POLE	-
	PLUGMOLD	AS REQUIRED
	DISCONNECT SWITCH (X=FRAME SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES)	AS REQUIRED
	DISCONNECT SWITCH NON-FUSED (X=FRAME SIZE, Z=NUMBER OF POLES)	AS REQUIRED
	ENCLOSED CIRCUIT BREAKER (X=TRIP RATING, Z=NUMBER OF POLES)	AS REQUIRED
	MOTOR STARTER FVFN UNO (#=NEMA SIZE)	AS REQUIRED
	COMBINATION MOTOR CONTROLLER / DISCONNECT SWITCH	AS REQUIRED
	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD AND PILOT LIGHT	AS REQUIRED
	EMERGENCY POWER OFF BUTTON - WALL MOUNTED	AS REQUIRED
	CIRCUIT CONDUCTOR INDICATION (EQUIPMENT GROUND, NEUTRAL, PHASE)	-
	CIRCUIT HOMERUN TO PANELBOARD (#12, #10, #8, 3/4", 20A/1P CB UNO)	-
	CONDUIT INSTALLED IN CEILING SPACE OF FLOOR BELOW.	-
	SINGLE POLE DEVICE CIRCUIT NUMBERS. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.	-
	MULTI-POLE DEVICE CIRCUIT NUMBERS. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.	-
	208Y/120V PANELBOARD	-
	480Y/277V PANELBOARD	-
	208Y/120V DISTRIBUTION PANELBOARD	-
	480Y/277V DISTRIBUTION PANELBOARD	-
	ISOLATION PANEL	-
	SWITCHBOARD	-
	STEP-DOWN TRANSFORMER	-
	AUTOMATIC TRANSFER SWITCH	-
	BY-PASS / ISOLATION AUTOMATIC TRANSFER SWITCH	-
	GROUND BAR	-
	PATIENT GROUND BAR	-
	BUILDING AUTOMATION SYSTEM	AS REQUIRED

LIGHTING SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	2x4 LIGHT FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2x4 LIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	2x4 LIGHT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	2x4 LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. BOTH BALLAST/DRIVERS ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2x4 LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. ONE BALLAST/DRIVER ON NORMAL CIRCUIT AND ONE BALLAST/DRIVER ON LIFE SAFETY CIRCUIT	SEE FIXTURE SCHEDULE
	2x4 LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. ONE BALLAST/DRIVER ON NORMAL CIRCUIT AND ONE BALLAST/DRIVER ON CRITICAL CIRCUIT	SEE FIXTURE SCHEDULE
	2x2 LIGHT FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2x2 LIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE

GENERAL DEMO NOTES

- A. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR DEMOLITION REQUIREMENTS
- B. REFER TO 600-00 FOR ADDITIONAL DEMOLITION NOTES
- C. WHERE WALLS ARE BEING DEMOLISHED DOWN TO STUDS, REMOVE ALL ELECTRICAL DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS CONTAINED THEREIN UNLESS NOTED OTHERWISE
- D. WHERE ENTIRE CIRCUIT IS REMOVED, CIRCUIT SHALL BE DEMOLISHED BACK TO POINT OF ORIGINATION. TURN THE CIRCUIT BREAKER OFF AND LABEL AS "SPARE"
- E. ENERGIZE ALL EXISTING DEVICES THAT WERE INTERRUPTED DURING DEMOLITION
- F. WHERE REMOVAL OF DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS EFFECTS OTHER DEVICES, RECONNECT OR PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO ASSURE THAT DEVICES IN ADJACENT AREAS AFFECTED BY THE RENOVATION REMAIN COMPLETELY OPERATIONAL.

LEGEND NOTES

EXISTING POWER DEVICES, FIRE ALARM DEVICES, AND LIGHTING FIXTURES IN THIS ROOM/AREA TO BE DEMOLISHED, UNLESS NOTED OTHERWISE. REMOVE DEMOLISHED CONDUIT AND WIRING BACK TO SOURCE. UPDATE PANEL DIRECTORY INDICATING NEW "SPARE" CIRCUIT BREAKERS AND PUT "SPARE" CIRCUIT BREAKERS IN THE OFF POSITION.



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WSP USA Buildings Inc. 201900181

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LAB & PHARMACY RENOVATION

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MISSOURI DHSS

FACILITY NUMBER:
0972400009

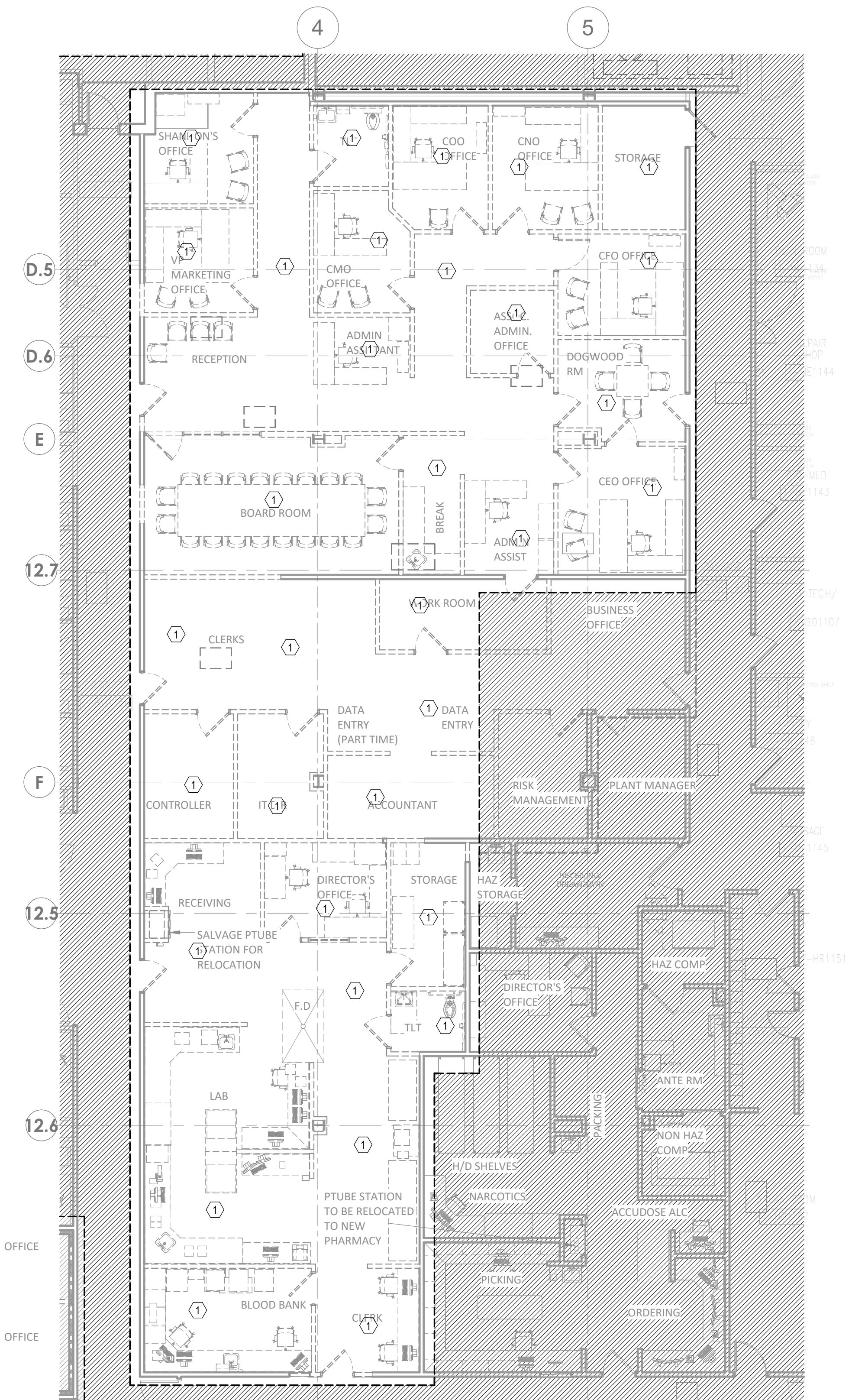
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REV #	DESCRIPTION	DATE

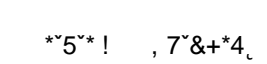
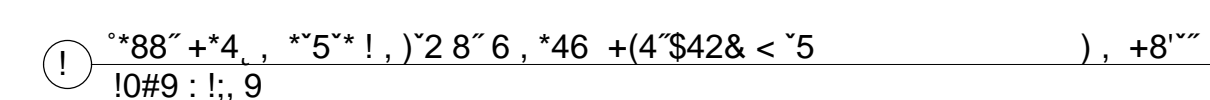
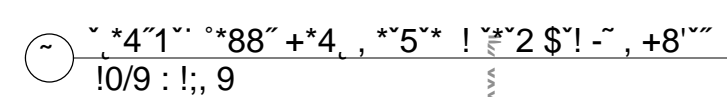
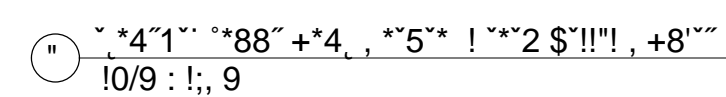
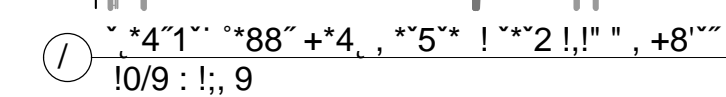
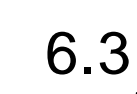
DATE: 05/23/2025
SCALE: 1/8" = 1'-0"
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REVIEWED: WSP
JOB NUMBER: 6406.24

DEMOLITION PLAN - LEVEL
1 - SECTOR B - LAB,
PHARMACY & EVS -
ELECTRICAL

ED02-01



1 DEMOLITION PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - POWER
1/8" = 1'-0"



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P USA Buildings Inc. 2013001881

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GENERAL NOTES

- A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT
VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF
ALL WIRING DEVICES
B. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND
ADDITIONAL GENERAL NOTES
C. REFER TO SHEET E8-02 FOR LIGHT SCHEDULES
D. CONTRACTORS SHALL USE PMC TRANSITIONS FROM EMT AT BUILDING EXPANSION
JOINTS WHEN APPLICABLE. PMC ROUTING SHALL BE PROVIDED TO ALLOW LATERAL AND
VERTICAL ADJUSTMENTS IN LINE WITH COORDINATE EXACT LOCATIONS OF EXPANSION
JOINTS WITH ARCHITECTURAL DRAWINGS

LEGEND NOTES

1. CIRCUIT ON NEARBY 120V EXISTING CORRIDOR LIFE SAFETY CIRCUIT.



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LAB &
PHARMACY
RENOVATION

HCA - LEE'S SUMMIT MEDICAL
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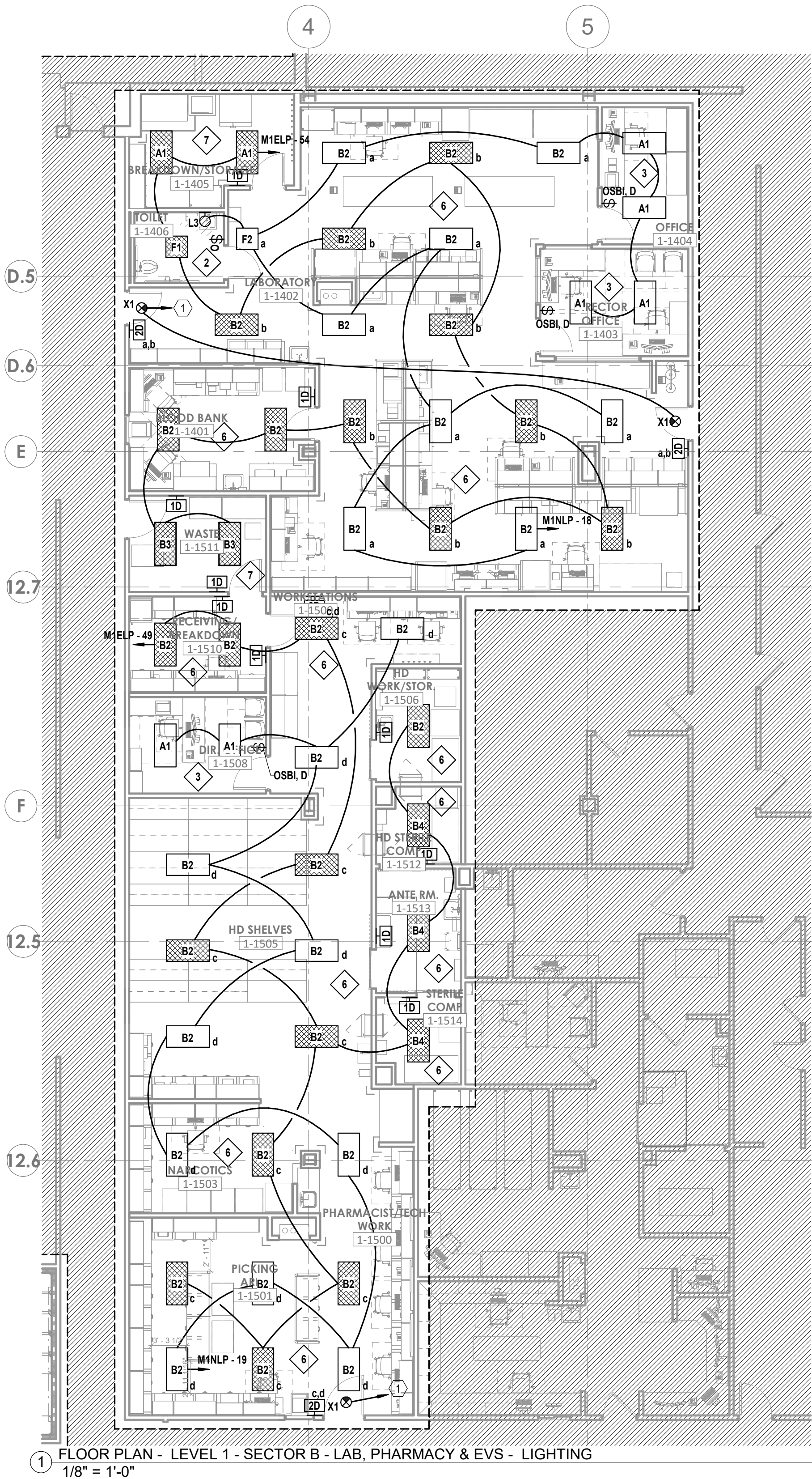
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REV #	DESCRIPTION	DATE

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FLOOR PLAN - LEVEL 1 -
SECTOR B - LAB, PHARMACY
& EVS - LIGHTING

E03-01



LEVEL 1 - KEYPLAN

SECTOR B

1 FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - LIGHTING
1/8" = 1'-0"

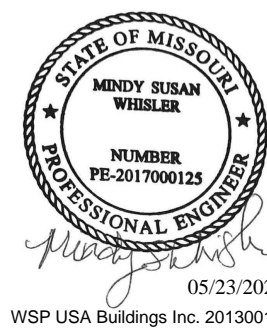
GENERAL NOTES

- A. REFER TO SHEET E04-03 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- B. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO F/S DAMPERS, VAV BOXES, FCUS ETC. WITH MECHANICAL DRAWINGS AND DIV 23 CONTRACTOR.
- C. DO NOT SCALE DEVICE LOCATIONS FROM THESE DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL DOCUMENTS. SPECIFICALLY, REFER TO ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR SPECIALTY.
- D. DELEGATED DESIGN OF FIRE ALARM: REFER TO DIVISION 28 SPECIFICATION SECTION FOR ADDITIONAL SYSTEM REQUIREMENTS. FIRE ALARM INITIATING DEVICES, NOTIFICATION APPLIANCES, CONTROL PANELS, ANNUNCIATOR PANELS, AND OTHER PERIPHERAL DEVICES SHOWN ON THESE DOCUMENTS DO NOT CONSTITUTE THE TOTAL QUANTITY OR TYPE OF DEVICES REQUIRED FOR THE WORK. THE DEVICES AND EQUIPMENT INDICATED ON THESE DOCUMENTS IS SHOWN FOR THE PURPOSE OF COORDINATION ONLY. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS DEFINE THE SCOPE AND INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED IN THE WORK. IN ADDITION TO THE SYSTEM AS SHOWN HEREIN AND SPECIFIED IN THE PROJECT MANUAL, THE LICENSED FIRE ALARM CONTRACTOR SHALL PROVIDE ALL PLANNING, DESIGN, CALCULATIONS, EQUIPMENT, DEVICES, RACEWAYS, BOXES, CABLING, SYSTEM PROGRAMMING AND ANY OTHER COMPONENT OR SERVICE REQUIRED FOR A COMPLETE, FULLY OPERATIONAL SYSTEM THAT MEETS ALL SPECIFIED REQUIREMENTS AND LOCAL CODES.
- E. SMOKE DETECTOR SPACING: FOR AREAS WHICH ARE INDICATED TO HAVE SMOKE DETECTOR COVERAGE THAT DO NOT HAVE A SUSPENDED CEILING (I.E. OPEN TO STRUCTURE), PROVIDE ONE DETECTOR PER STRUCTURAL POCKET TO MEET REQUIREMENTS OF NFPA 72. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES AND TO STRUCTURAL SLAB DETAILS FOR SLAB DEPRESSIONS THAT MAY CAUSE CONDITIONS REQUIRING ADDITIONAL DETECTORS.
- F. DETECTORS AT DAMPERS: PROVIDE A DUCT MOUNTED SMOKE DETECTOR AT ALL SMOKE AND COMBINATION FIRE/SMOKE DAMPER LOCATIONS. EACH DAMPER SHALL HAVE A DISCRETE RELAY LOCATED WITHIN 3 FT. OF THE CONTROLLING COMPONENT; COMMON RELAYS ARE NOT ACCEPTABLE. EXACT DEVICE QUANTITIES AND LOCATIONS FOR DAMPERS ARE SHOWN ON MECHANICAL DRAWINGS. REFER TO AND COORDINATE WITH DIVISION 23 DOCUMENTS, APPROVED SHOP DRAWINGS AND SUBMITTALS AND BETWEEN TRADES WITH HVAC INSTALLER PRIOR TO ROUGH-IN. REFER TO DIVISION 23 AND 28 SPECIFICATIONS AND TO DETAILS FOR ADDITIONAL REQUIREMENTS.



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LAB & PHARMACY RENOVATION

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LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
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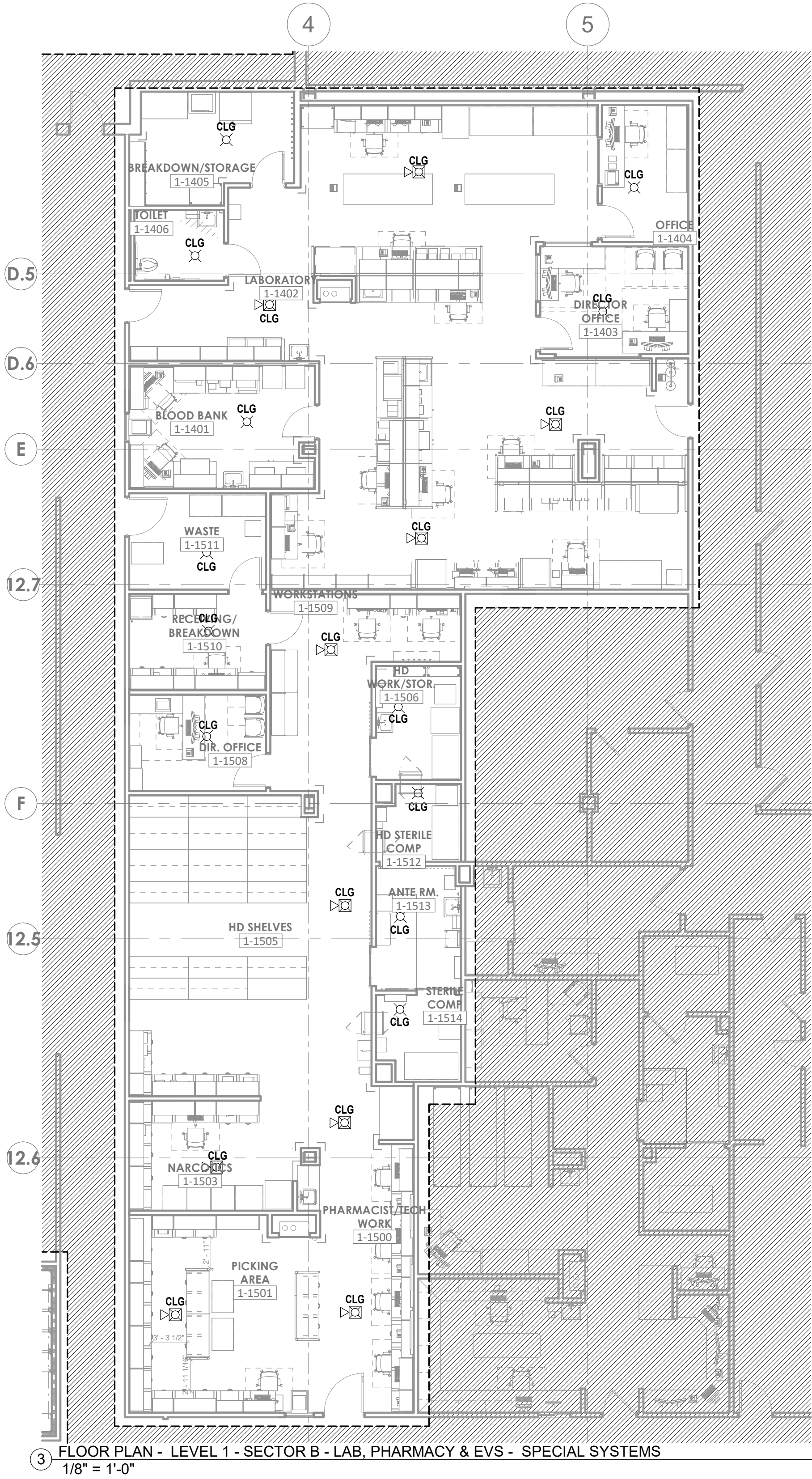
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REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 1 -
SECTOR B - LAB, PHARMACY
& EVS - SPECIAL SYSTEMS

E04-01



LEVEL 1 - KEYPLAN

SECTOR B

FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - SPECIAL SYSTEMS
1/8" = 1'-0"

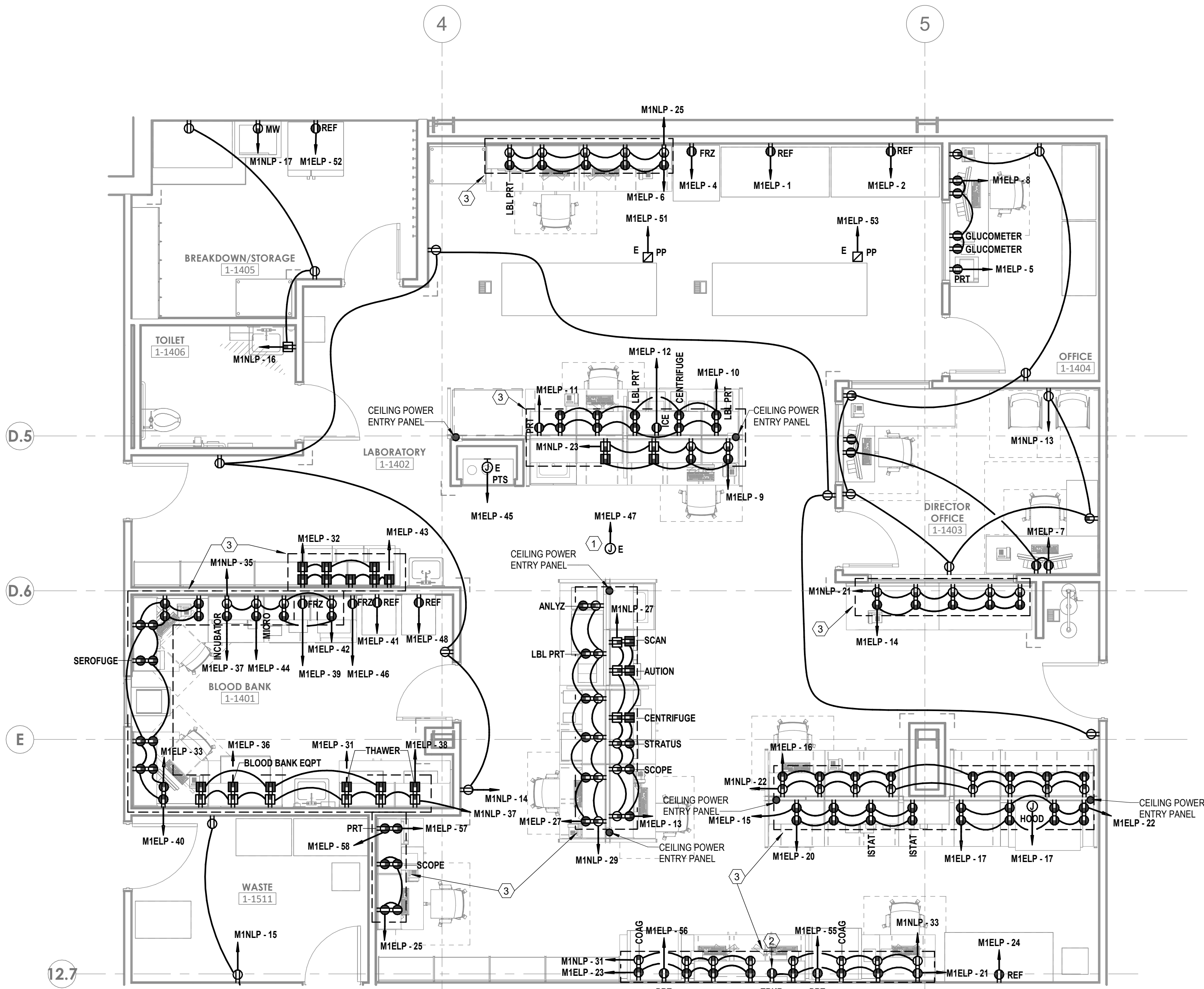
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5/22/2025 10:52:30 AM
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternate schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

GENERAL NOTES

- A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- B. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES
- C. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
- D. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE SMOKE DAMPERS, VAV BOXES, FCUS, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTORS
- E. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES

LEGEND NOTES

- 1. PROVIDE 120V POWER CONNECTION TO VAVS IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE 20A 1P SWITCH AT CONTROL TRANSFORMER(S). REFER TO MECHANICAL DRAWINGS FOR BOX LOCATIONS. MAXIMUM OF 15 TERMINAL UNITS PER CIRCUIT. QUANTITY OF VAVS SHALL BE BALANCED BETWEEN THE CIRCUITS INDICATED IN THE SAME SMOKE ZONE. TERMINAL UNITS IN DIFFERENT SMOKE ZONES SHALL NOT BE ON THE SAME CIRCUIT.
- 2. DEVICE(S) TO BE LOCATED IN TV BACK-BOX. REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR/TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN.
- 3. DEVICES LOCATED WITHIN BOUNDARY ARE TO BE INSTALLED IN HERMAN MILLER CHASE RAIL SYSTEM. COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

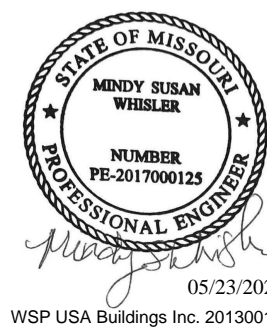


1 ENLARGED PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - POWER
1/4" = 1'-0"



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LAB & PHARMACY RENOVATION

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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
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DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: 6406.24

ENLARGED PLANS - ELECTRICAL

E05-01

Consultant:



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WSP USA Buildings Inc. 201/8001881

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ONE LINE DIAGRAM - ELECTRICAL

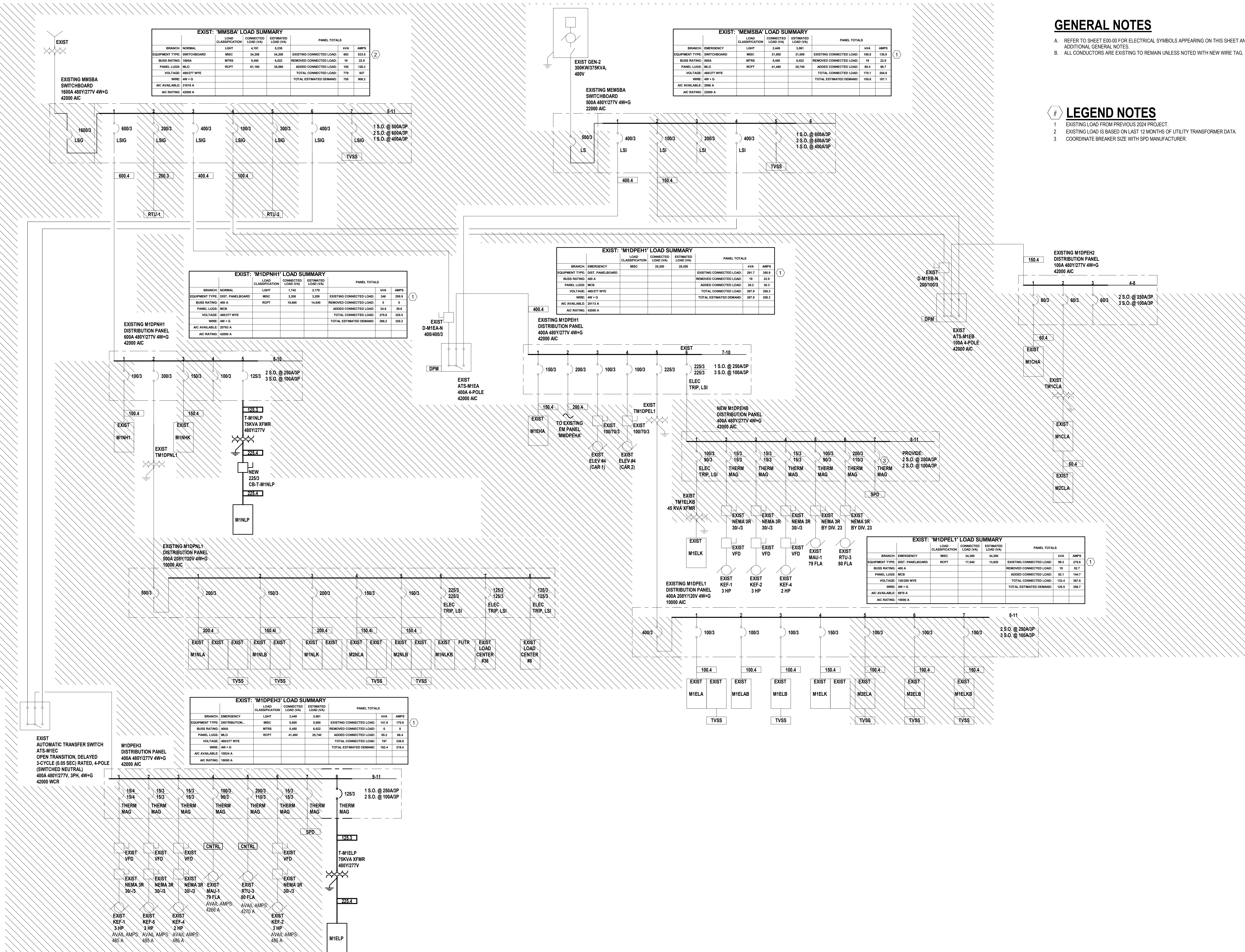
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GENERAL NOTES

- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- ALL CONDUCTORS ARE EXISTING TO REMAIN UNLESS NOTED WITH NEW WIRE TAG.

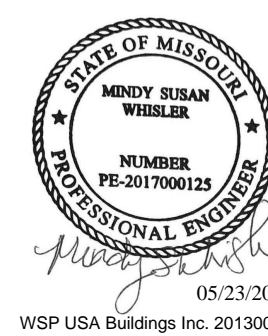
LEGEND NOTES

- EXISTING LOAD FROM PREVIOUS 2024 PROJECT.
- EXISTING LOAD IS BASED ON LAST 12 MONTHS OF UTILITY TRANSFORMER DATA.
- COORDINATE BREAKER SIZE WITH SPD MANUFACTURER.



Consultant:

wsp



IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION BY AN "ARCHITECTURAL FIRM" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.C. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION HEREIN IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

LAB &
PHARMACY
RENOVATIONHCA - LEE'S SUMMIT MEDICAL
CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSSFACILITY NUMBER:
0972400009

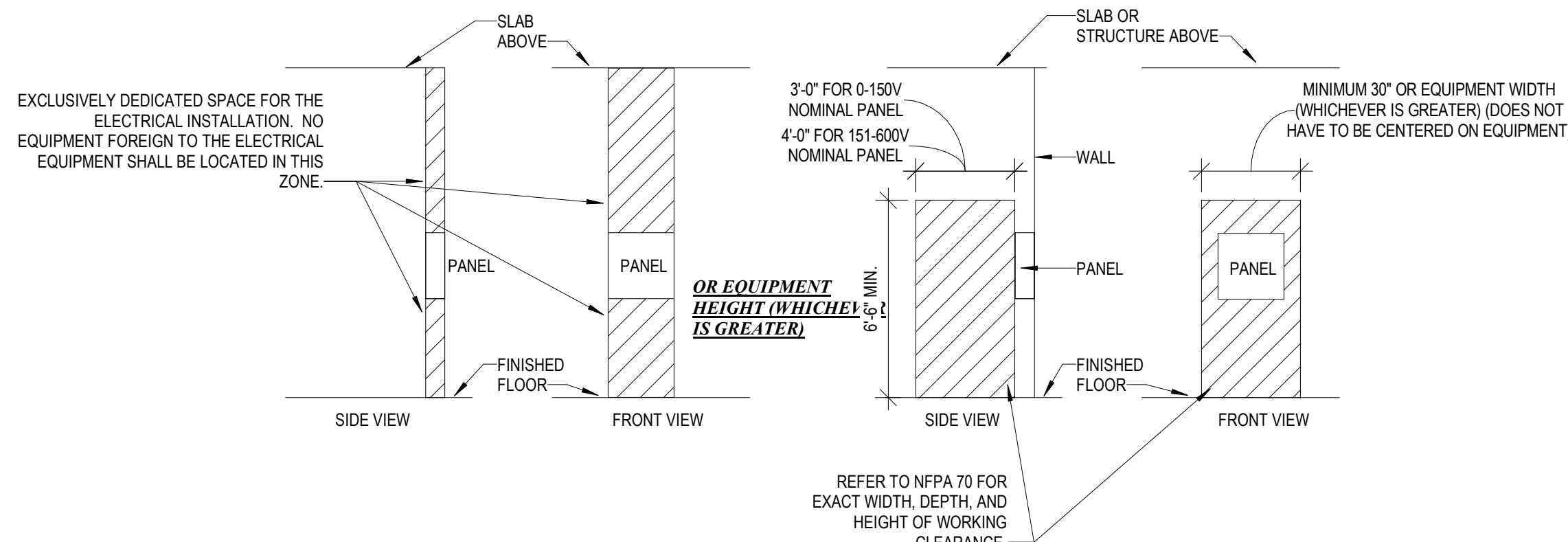
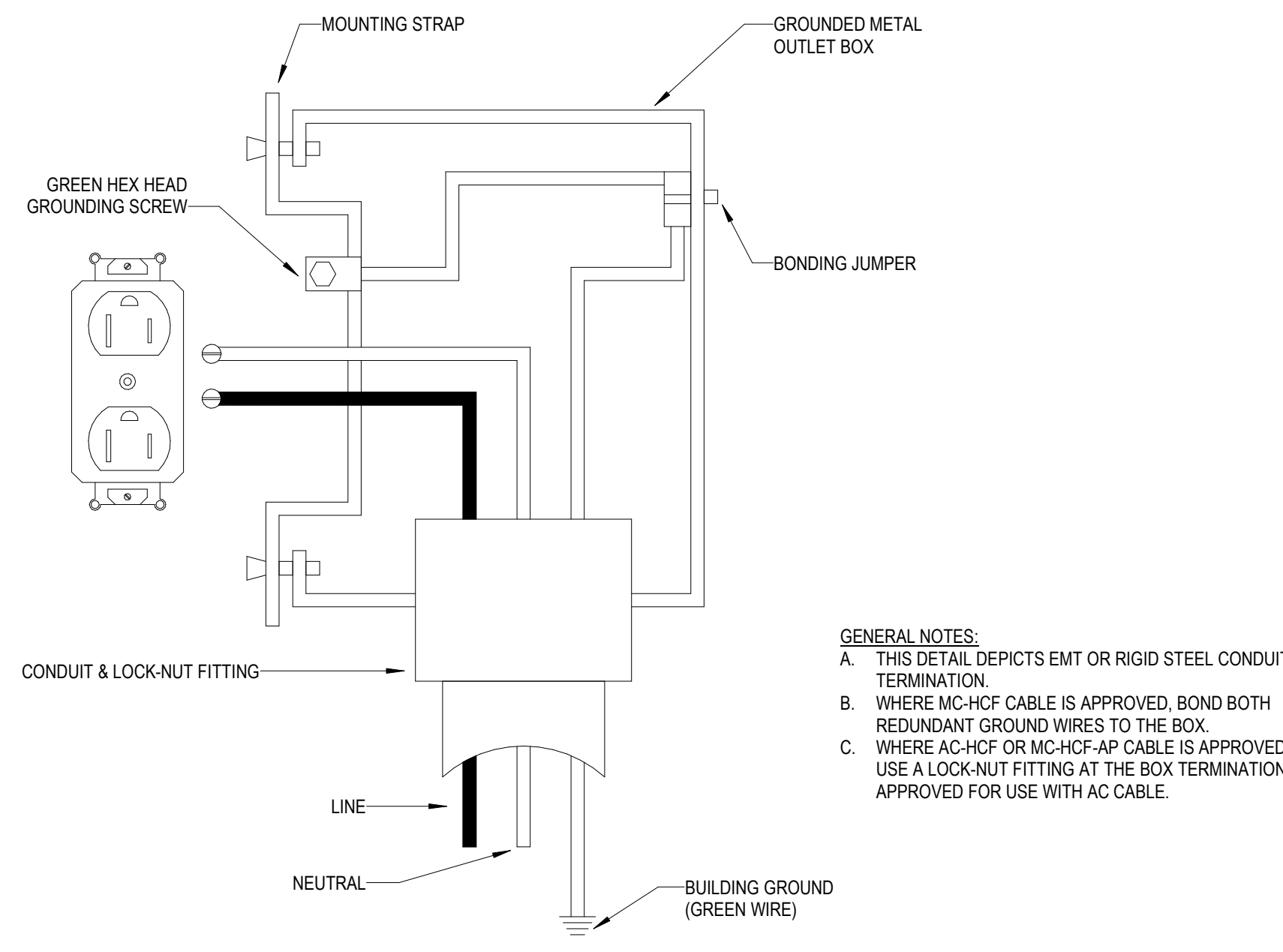
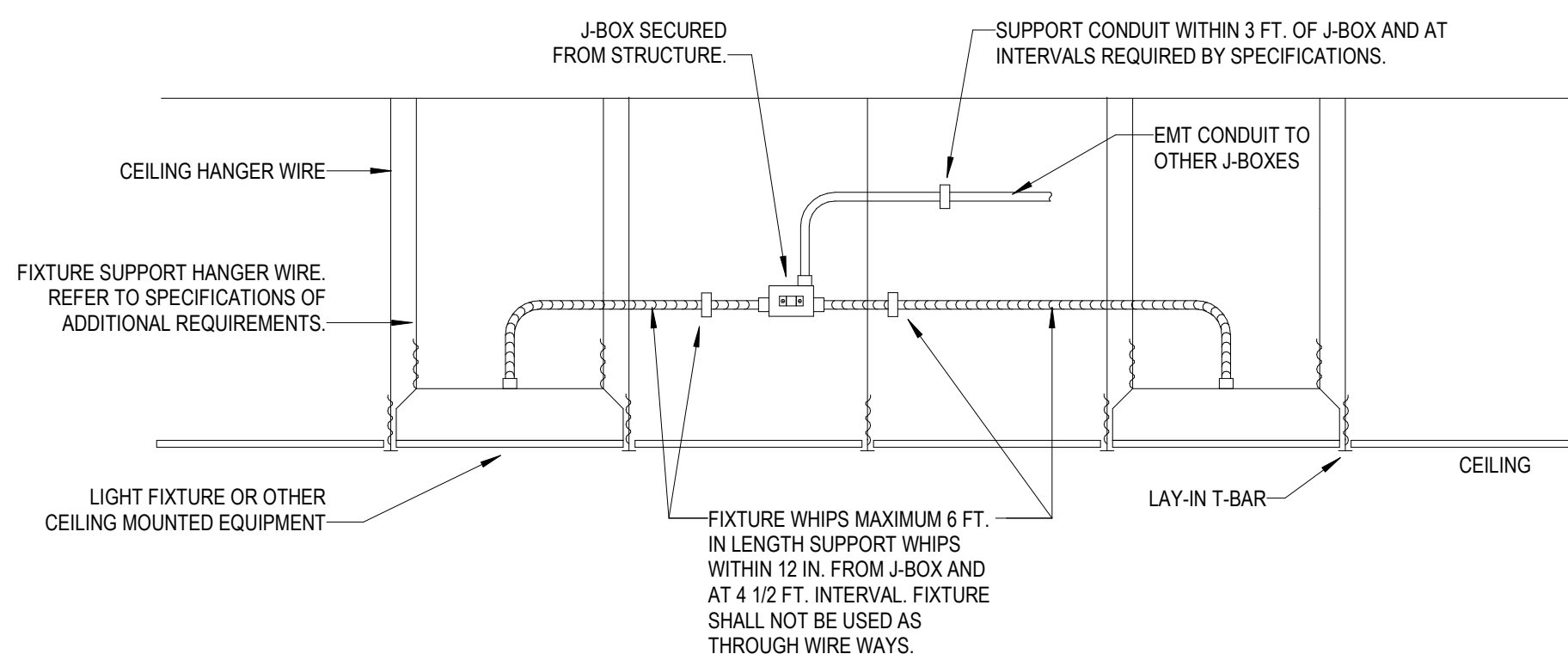
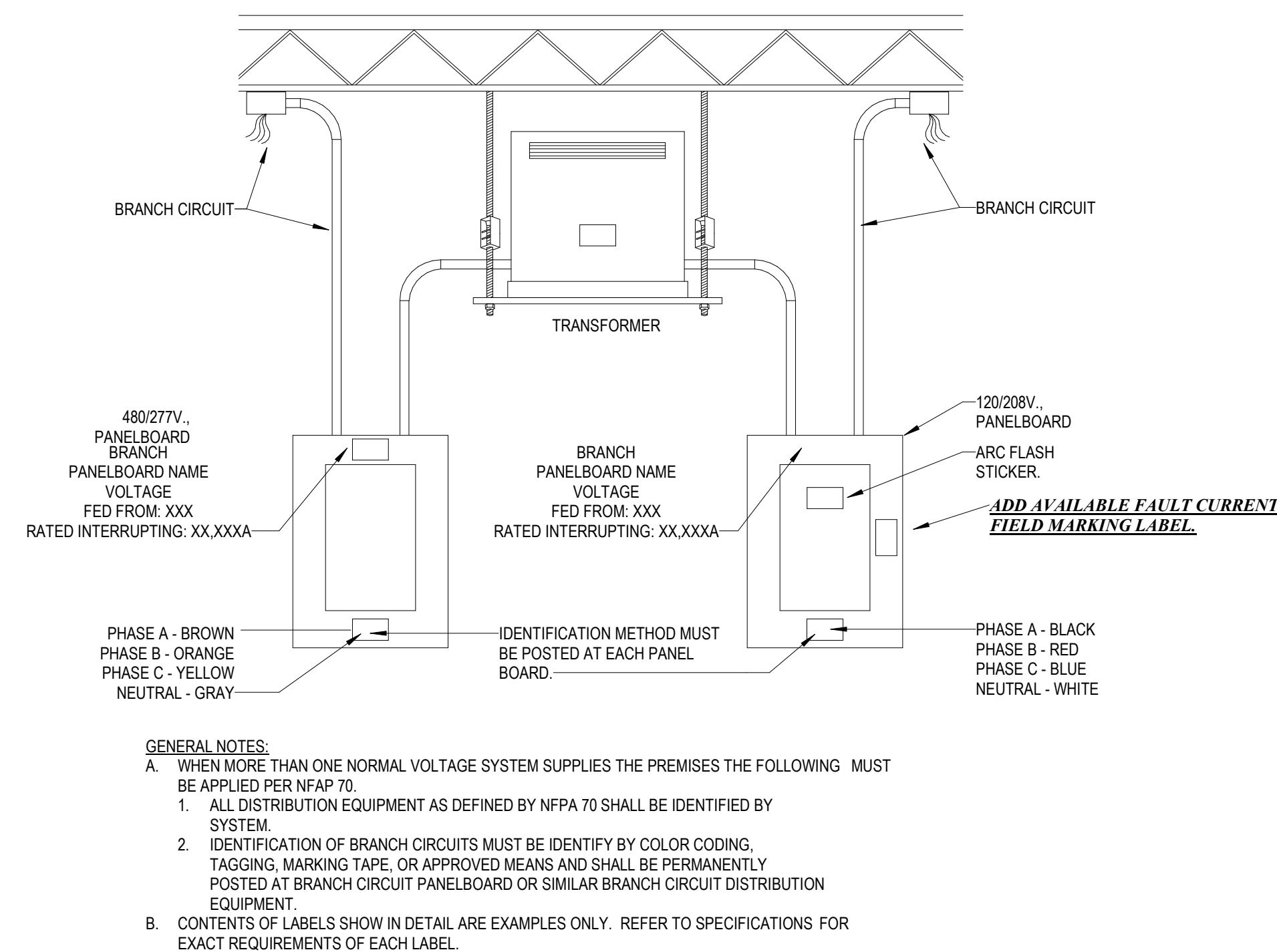
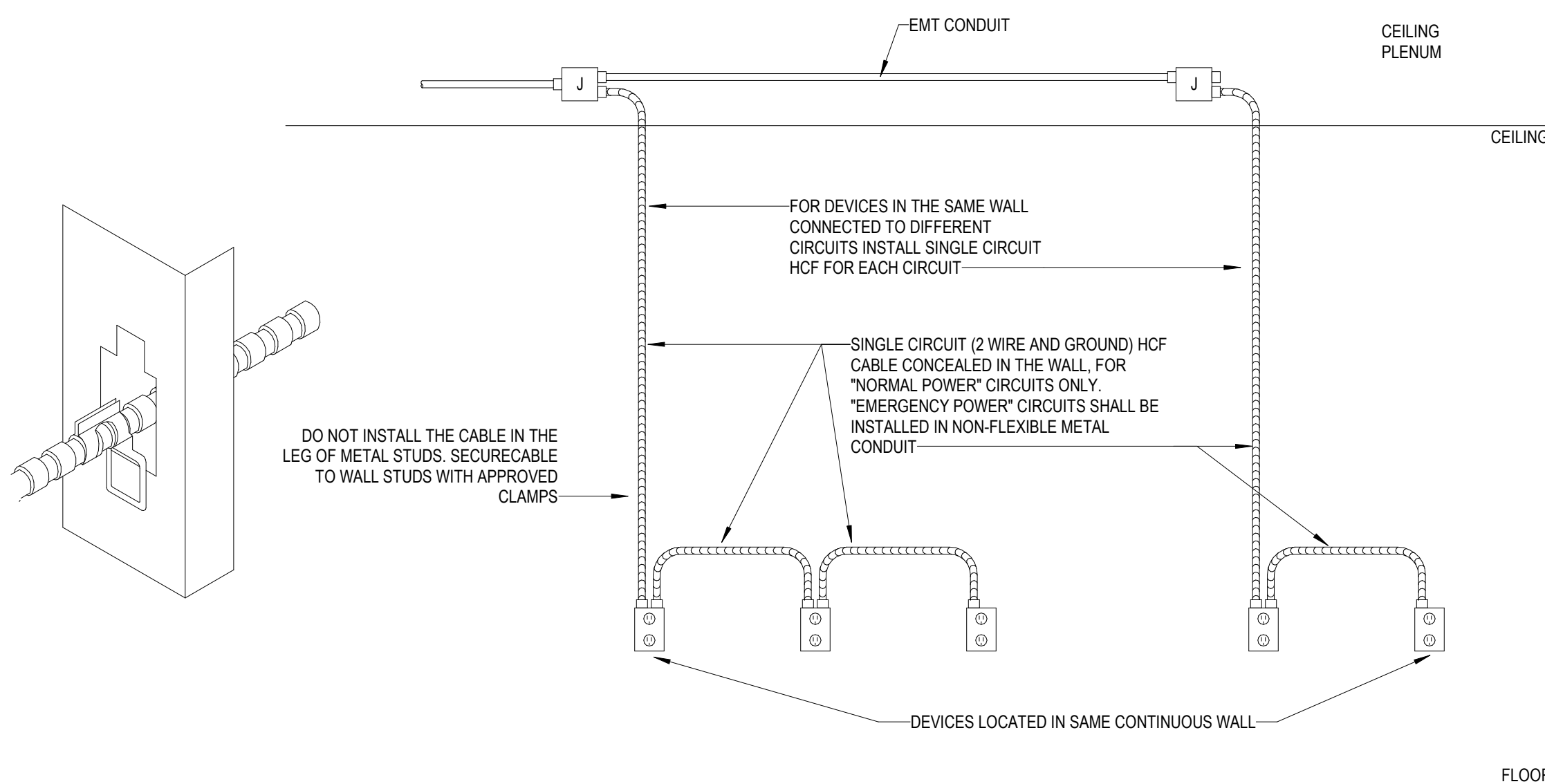
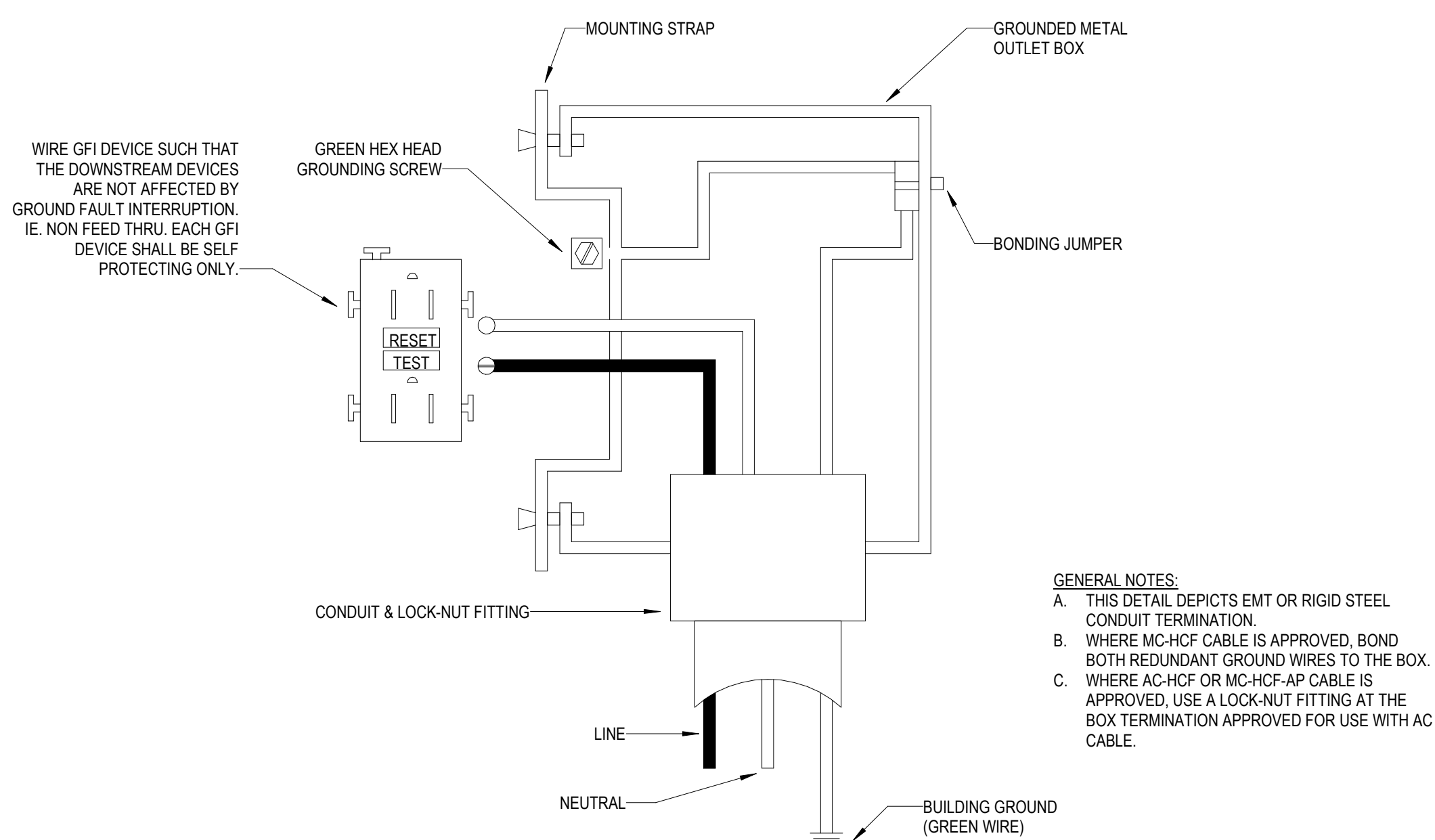
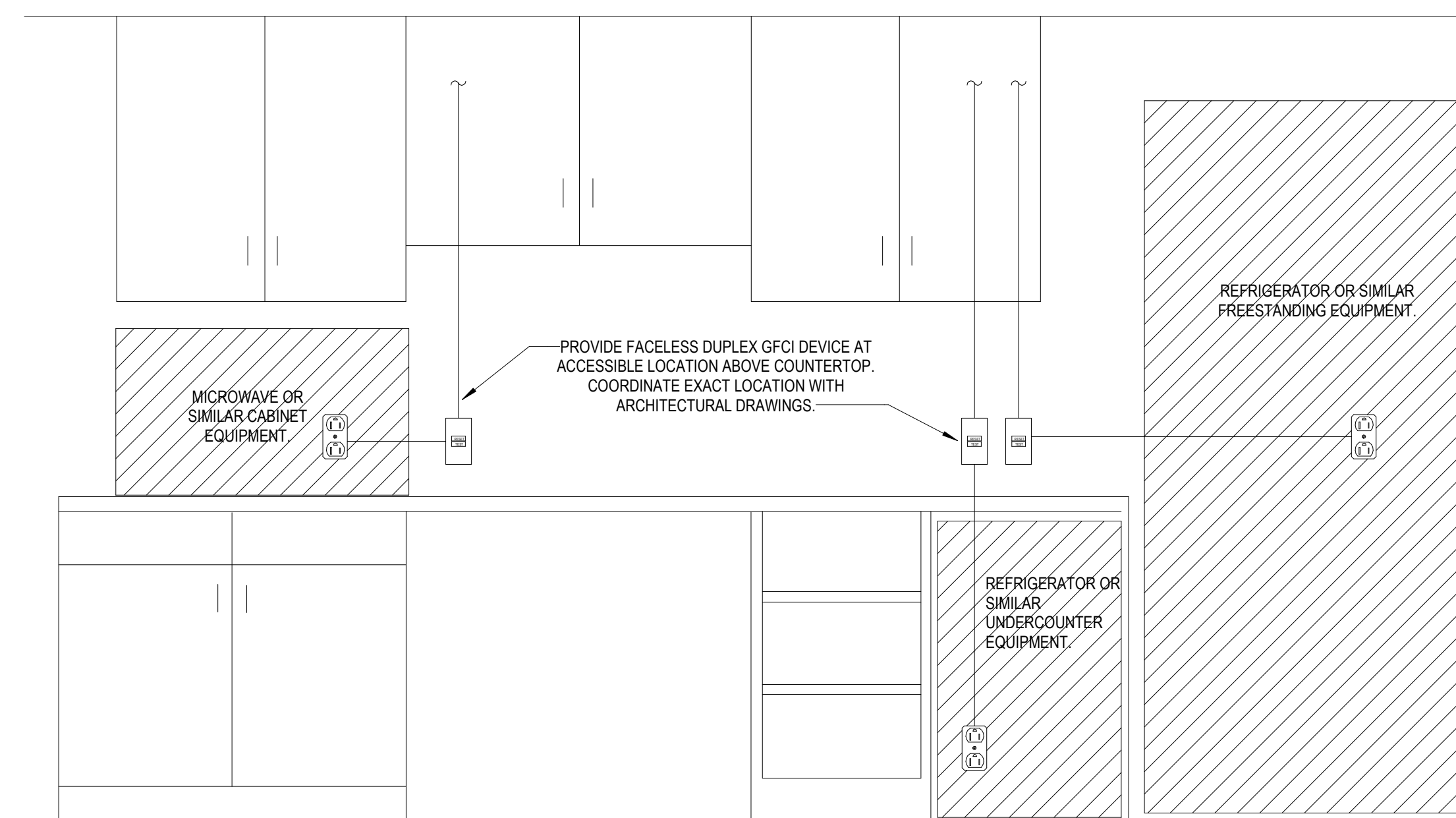
AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: N.T.S.
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: 6406.24

DETAILS - ELECTRICAL

E07-01

6 TYPICAL PANELBOARD REQUIRED CLEARANCE DETAIL
N.T.S.3 RECEPTACLE GROUNDING DETAIL
N.T.S.5 LAY-IN FIXTURE MOUNTING DETAIL
N.T.S.2 PANEL IDENTIFICATION DETAIL
N.T.S.7 HEALTHCARE FACILITIES CABLE (HCF) INSTALLATION DETAIL
N.T.S.4 GFI RECEPTACLE - WIRING DIAGRAM
N.T.S.1 ACCESSIBLE GFCI DETAIL
N.T.S.

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternate schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request. 5/22/2025 10:52:35 AM Autodesk Docs//6406.24 - HCA - Lee's Summit Medical Center (LSMC) r123/MEP_LSMC Lab & Pharmacy Renovation - R23.rvt

COPPER FEEDER SCHEDULE 600V MAX.		
FEEDER TAG & AMPERE RATING	FEEDER DESCRIPTION	
15.3, 20.3 15.4, 20.4	3#12, 1#12 G, 3/4" C 3#12, 1#12 N, 1#12 G, 3/4" C	
25.3, 30.3 25.4, 30.4	3#10, 1#10 G, 3/4" C 3#10, 1#10 N, 1#10 G, 3/4" C	
35.3, 40.3 35.4, 40.4	3#8, 1#10 G, 3/4" C 3#8, 1#8 N, 1#10 G, 3/4" C	
45.3, 50.3 45.4, 50.4	3#6, 1#10 G, 3/4" C 3#6, 1#6 N, 1#10 G, 1" C	
60.3 60.4	3#4, 1#10 G, 1" C 3#4, 1#4 N, 1#10 G, 1 1/4" C	
70.3 70.4	3#4, 1#8 G, 1" C 3#4, 1#4 N, 1#8 G, 1-1/4" C	
80.3 80.4	3#3, 1#8 G, 1-1/4" C 3#3, 1#3 N, 1#8 G, 1-1/4" C	
90.3 90.4	3#2, 1#8 G, 1-1/4" C 3#2, 1#2 N, 1#8 G, 1-1/4" C	
100.3 100.4	3#1, 1#8 G, 1-1/4" C 3#1, 1#1 N, 1#8 G, 1-1/2" C	
110.3 110.4	3#1, 1#6 G, 1-1/4" C 3#1, 1#1 N, 1#6 G, 1-1/2" C	
125.3, 150.3 125.4, 150.4	3#10, 1#6 G, 1-1/2" C 3#10, 1#10 N, 1#6 G, 2" C	
175.3 175.4	3#20, 1#6 G, 2" C 3#20, 1#20 N, 1#6 G, 2" C	
200.3 200.4	3#30, 1#6 G, 2" C 3#30, 1#30 N, 1#6 G, 2" C	
225.3 225.4	3#40, 1#4 G, 2" C 3#40, 1#40 N, 1#4 G, 2-1/2" C	
250.3 250.4	3#250KCM, 1#4 G, 2-1/2" C 3#250KCM, 1-250KCM N, 1#4 G, 2-1/2" C	
300.3 300.4	3#350KCM, 1#4 G, 2-1/2" C 3#350KCM, 1-350KCM N, 1#4 G, 3" C	
350.3 350.4	3#500KCM, 1#3 G, 3" C 3#500KCM, 1-500KCM N, 1#3 G, 3-1/2" C	
400.3 400.4	2 SETS EACH OF 3#30, 1#3 G, 2" C 2 SETS EACH OF 3#30, 1#30 N, 1#3 G, 2-1/2" C	
450.3 450.4	2 SETS EACH OF 3#40, 1#2 G, 2" C 2 SETS EACH OF 3#40, 1#40 N, 1#2 G, 2-1/2" C	
500.3 500.4	2 SETS EACH OF 3#250KCM, 1#2 G, 2-1/2" C 2 SETS EACH OF 3#250KCM, 1#250KCM N, 1#2 G, 2-1/2" C	
600.3 600.4	2 SETS EACH OF 3#350KCM, 1#1 G, 2-1/2" C 2 SETS EACH OF 3#350KCM, 1#350KCM N, 1#1 G, 3" C	
700.3 700.4	2 SETS EACH OF 3#500KCM, 1#10 G, 3" C 2 SETS EACH OF 3#500KCM, 1#500KCM N, 1#10 G, 3-1/2" C	
800.3 800.4	3 SETS EACH OF 3#300KCM, 1#10 G, 3" C 3 SETS EACH OF 3#300KCM, 1#300KCM N, 1#10 G, 3" C	
900.3 900.4	3 SETS EACH OF 3#350KCM, 1#20 G, 3" C 3 SETS EACH OF 3#350KCM, 1#350KCM N, 1#20 G, 3" C	
1000.3 1000.4	3 SETS EACH OF 3#400KCM, 1#20 G, 3" C 3 SETS EACH OF 3#400KCM, 1#400KCM N, 1#20 G, 3" C	
1200.3 1200.4	4 SETS EACH OF 3#350KCM, 1#30 G, 3" C 4 SETS EACH OF 3#350KCM, 1#350KCM N, 1#30 G, 3" C	
1400.3 1400.4	4 SETS EACH OF 3#500KCM, 1#40 G, 3" C 4 SETS EACH OF 3#500KCM, 1#500KCM N, 1#40 G, 3-1/2" C	
1600.3 1600.4	5 SETS EACH OF 3#400KCM, 1#40 G, 3" C 5 SETS EACH OF 3#400KCM, 1#400KCM N, 1#40 G, 3" C	
2000.3 2000.4	6 SETS EACH OF 3#400KCM, 1#250KCM G, 3" C 6 SETS EACH OF 3#400KCM, 1#400KCM N, 1#250KCM G, 3" C	
2500.3 2500.4	7 SETS EACH OF 3#500KCM, 1#350KCM G, 3-1/2" C 7 SETS EACH OF 3#500KCM, 1#500KCM N, 1#350KCM G, 3-1/2" C	
3000.3 3000.4	8 SETS EACH OF 3#500KCM, 1#400KCM G, 3" C 8 SETS EACH OF 3#500KCM, 1#500KCM N, 1#500KCM G, 3-1/2" C	
4000.3 4000.4	11 SETS EACH OF 3#500KCM, 1#500KCM G, 3-1/2" C 11 SETS EACH OF 3#500KCM, 1#500KCM N, 1#500KCM G, 3-1/2" C	

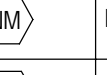
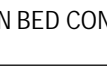


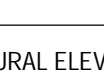
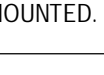
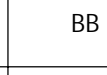
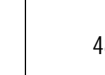


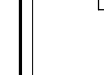

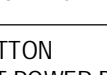





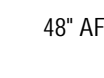



ELECTRICAL LUMINAIRE FIXTURE SCHEDULE																		
TYPE	DESCRIPTION	LOCATION	PHYSICAL DESCRIPTION			ELECTRICAL SPECIFICATIONS										MANUFACTURER INFORMATION		
			HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	
A1	2 x 4' LED VOLUMETRIC TROFFER	PUBLIC AND CORRIDOR	ONE PIECE STEEL	ACRYLIC LINEAR PRISMATIC DIFFUSER	N/A		MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4000 K	LED	4000 lm	60000	32	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	LITHONIA	#2VTL4 40L ADP E21 LP840
B2	2 x 4' LED ACRYLIC LENSED PREMIUM TROFFER	PREPREC, IVTH	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS		PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4000 K	LED	10000 lm	72000	83	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	LITHONIA	#2GTL 4 100L RW E21 LP840 PAF
B3	2 x 4' LED ACRYLIC LENSED PREMIUM TROFFER	STAFF WORKING	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS		PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4000 K	LED	4800 lm	72000	83	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	LITHONIA	#2GTL 4 48L RW E21 LP840 PAF
B4	2 x 4' LED LENSED TROFFER, CLEANROOM ISO5-9, WET LOCATION LISTED, IP66	CLEANROOM	20 GA COLD ROLLED STEEL, OVERLAPPING ALUMINUM WHITE DOOR FRAME	DIFFUSE ACRYLIC LENS	N/A		ATMICOBIAL WHITE, PAINTED AFTER FABRICATION	RECESSED CEILING, VERIFY CEILING TYPE PRIOR TO ORDERING	4000 K	LED	17563 lm	60000	149	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	LITHONIA	#25RTL "L48 18000LM OAW AFL MVOLT E21 40K 80CRI DIWAM
F1	2 x 2' LED ACRYLIC LENSED PREMIUM TROFFER	RESTROOM	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS		PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4000 K	LED	3300 lm	72000	29	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	LITHONIA	#2GTL X 2 33L RW E21 LP840
F2	2 x 2' LED ACRYLIC LENSED PREMIUM TROFFER	PREPREC, IVTH	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS		PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4000 K	LED	4139 lm	72000	42	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	LITHONIA	#2GTL X 2 48L RW E21 LP840
L3	LED VANITY SCONCE, 24" LENGTH, DIRECT-INDIRECT LIGHT	TOILET ROOMS	N/A	N/A	N/A		BRUSHED ALUMINUM FINISH	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4000 K	LED	1932 lm	60000	14	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120 V	WINONA	#WVW4608 24LONG LEDX2 40K MVOLT OAE BA MEZ126783-MOD
X1	LED DECORATIVE RECESSED EDGE-LIT EXIT LIGHT, SINGLE FACE	EGRESS	20 GA. GALVANIZED STEEL, EXTRUDED ALUMINUM HOUSING	SATIN ALUMINUM TRIM PLATE, MOLDED TEXTURED LETTERS	N/A		6 INCH HIGH RED LETTERS ON MIRROR BACKGROUND, DIRECTIONAL CHEVRON INDICATORS AS REQUIRED	BACK / CEILING / END MOUNTING AS REQUIRED PER PLANS	0 K	LED	10 lm	87600	1	EACH	N/A	120 V	LITHONIA	#LRP 1 RMR 120277

LIGHTING CONTROL REQUIREMENTS AND SEQUENCE OF OPERATIONS									
TAG	SPACE TYPES	CONTROL		MANUAL CONTROL/OVERRIDE		OCCUPANCY SENSOR		PHOTOCELL CONTROL	
		CONTROL DESCRIPTION	CONTROL SYSTEM TYPE	DEVICE	DURATION	TYPE/LOCATION	SET POINT		
2	RESTROOMS/TOILET	AUTO ON TO 100%, AUTO OFF, MANUAL ON/OFF/DIM	STAND-ALONE	LINE VOLTAGE SWITCH	20 MIN	DUAL-TECH, WALL	AUTO ON/DIM, 20 MIN SET POINT	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE	
3	ENCLOSED ROOMS (OFFICE, BREAK, SUPPORT, ETC)	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LINE VOLTAGE SWITCH	20 MIN	DUAL-TECH, WALL	AUTO ON 50%, AUTO OFF, 20 MIN SET POINT	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE	
6	DEPARTMENT AREAS (KITCHEN, LAB)	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LOW VOLTAGE WALL STATION	20 MIN	DUAL-TECH, CEILING	AUTO ON 50%, AUTO OFF, 20 MIN SET POINT	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE	
7	ENCLOSED ROOMS (LARGE OFFICE, BREAK, SUPPORT, ETC)	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LOW VOLTAGE WALL STATION	20 MIN	DUAL-TECH, CEILING	AUTO ON 50%, AUTO OFF, 20 MIN SET POINT	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE	

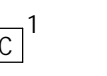

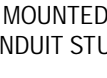
NEW: M1ELP										EMERGENCY									
LOCATION: ELEC 1-ME1072 MAIN BUS: 225 A MCB: 225A VOLTAGE: 120/208 VYE AIC AVAILABLE: 6210 A AIC RATING: 10000 A					FED FROM: T-M1ELP WIRES: 4W + G ENCLOSURE: NEMA-1 BUS TYPE: COPPER MOUNTING: SURFACE PANEL LUGS: MCB NUMBER OF SECTIONS: 1					NEUTRAL BUS: YES GROUND BUS: YES ISOLATED GROUND BUS: NO 200% NEUTRAL: NO FEED THROUGH LUGS: NO POLES PER SECTION: 84									
CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.									
1	RCPT REF LAB A 1-1402	1,200	20	1	1	20	1,200	RCPT REF LAB A 1-1402	2										
3	JB - PRESSURE MON PHARM	600	20	1	1	20	1,200	RCPT FRZ LAB A 1-1402	4										
5	RCPT OFFICE 1-1404	800	20	1	1	20	900	RCPT LAB A 1-1402	6										
7	RCPT OFFICE 1-1403	720	20	1	1	20	720	RCPT OFFICE 1-1404	8										
9	RCPT LAB A 1-1402	720	20	1	1	20	1,020	RCPT LAB A 1-1402	10										
11	RCPT LAB A 1-1402	1,700	20	1	1	20	1,200	RCPT ICE LAB A 1-1402	12										
13	RCPT LAB A 1-1402	1,200	20	1	1	20	900	RCPT LAB A 1-1402	14										
15	RCPT LAB A 1-1402	720	20	1	1	20	1,440	RCPT LAB A 1-1402	16										
17	RCPT LAB A 1-1402	720	20	1	1	20	--	SPARE	18										
19	PWR - WORK/STOR 1-1402 HOOD	500	20	1	1	20	720	RCPT LAB A 1-1402	20										
21	RCPT LAB A 1-1402	900	20	1	1	20	720	RCPT LAB A 1-1402	22										
23	RCPT LAB A 1-1402	720	20	1	1	20	1,200	RCPT LAB A 1-1402	24										
25	RCPT LAB A 1-1402	720	20	1	1	20	--	SPARE	26										
27	RCPT LAB A 1-1402	1,080	20	1	1	20	--	SPARE	28										
29	RCPT BLOOD BANK 1-1401	540	20	1	1	20	--	SPARE	30										
31	RCPT THAWER BLOOD BANK 1-1401	1,200	20	1	1	20	540	RCPT LAB A 1-1402	32										
33	RCPT BLOOD BANK 1-1401	1,260	20	1	1	20	--	SPARE	34										
35	JB - PRESSURE MON PHARM	600	20	1	1	20	1,200	RCPT BLOOD BANK 1-1401	36										
37	RCPT INCUBATOR BLOOD BANK 1-1401	1,200	20	1	1	20	1,200	RCPT THAWER BLOOD BANK 1-1401	38										
39	RCPT FRZ BLOOD BANK 1-1346	1,200	20	1	1	20	1,080	RCPT BLOOD BANK 1-1401	40										
41	RCPT REF BLOOD BANK 1-1401	1,200	20	1	1	20	360	RCPT BLOOD BANK 1-1401	42										
43	RCPT LAB A 1-1402	900	20	1	1	20	500	RCPT MICRO BLOOD BANK 1-1401	44										
45	JBOX -PTS LAB A 1-1402	500	20	1	1	20	1,200	RCPT FRZ BLOOD BANK 1-1401	46										
47	JBOX -VAV LAB A 1-1402	500	20	1	1	20	1,200	RCPT REF BLOOD BANK 1-1401	48										
49	LGHT RM	1,360	20	1	1	20	180	RCPT SERO/UGE BLOOD BANK 1-1401	50										
51	POWER POLE LAB A 1-1402	1,500	20	1	1	20	1,200	RCPT REF BREAKDOWN STORAGE 1-1405	52										
53	POWER POLE LAB A 1-1402	1,500	20	1	1	20	1,089	LGHT RM 1-1401.02.03.04.05.06 & 1511	54										
55	RCPT PRT LAB B 1-1402	800	20	1	1	20	800	RCPT PRT LAB A 1-1402	56										
57	RCPT PRT LAB A 1-1402	500	20	1	1	20	500	RCPT PRT LAB A 1-1402	58										
59	PWR - FIRE/SMOKE DAMPER	100	20	1	3	15	1,581	GEF-22	60										
61	LEF-1	2,288	20	3	--	--	--	--	62										
63	--	--	--	--	--	--	--	--	64										
65	--	--	--	--	3	15	1,581	LEF-2	66										
67	SPARE	--	20	1	--	--	--	--	68										
69	SPARE	--	20	1	--	--	--	--	70										
71	SPARE	--	20	1	--	1	20	-- SPARE	72										
73	SPARE	--	20	1	--	1	20	-- SPARE	74										
75	SPARE	--	20	1	--	1	20	-- SPARE	76										
77	SPARE	--	20	1	--	1	20	-- SPARE	78										
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81	SPARE	--	20	1	--	1	20	-- SPARE	82										
83	SPARE	--	20	1	--	1	20	-- SPARE	84										


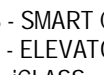

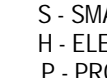




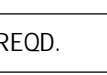
LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	
			KVA	AMPS
LGHT	2,449	3,061		
MISC	5,800	5,800		
MTRS	5,450	6,022		
RCPT	41,480	25,740		
TOTAL CONNECTED LOAD:			55.2	153.2
TOTAL ESTIMATED DEMAND:			40.6	112.8
NOTES:				

EXIST: M1ELAB						EMERGENCY											
LOCATION: ELEC 1-ME1072 MAIN BUS: 100 A MCB: N/A VOLTAGE: 120/208 VYE AIC AVAILABLE: EXISTING AIC RATING: 10000 A						FED FROM: M1DEP1 WIRES: 4W + G ENCLOSURE: NEMA 1 BUS TYPE: COPPER MOUNTING: SURFACE PANEL LUGS: MLO NUMBER OF SECTIONS: 1						NEUTRAL BUS: YES GROUND BUS: YES ISOLATED GROUND BUS: NO 200% NEUTRAL: NO FEED THROUGH LUGS: YES POLES PER SECTION: 42					
CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.							
1	EXISTING LOAD	--	--	2			1	20	800	* RCPT RECEIVING 1-1510 FRZ	2						
3	--	--	--	--			1	20	800	* RCPT RECEIVING 1-1510 REF	4						
5	EXISTING LOAD	--	--	1			1	20	900	* RCPT RECEIVING 1-1510/OFF, 1-1508	6						
7	* PWR - P-TUBE PICKING AREA 1-1501	500	20	1			1	20	--	EXISTING LOAD	8						
9	EXISTING LOAD	--	--	1			1	20	800	* RCPT RECEIVING 1-1510 PRT	10						
11	* RCPT WORKSTATIONS 1-1509	720	20	1			1	20	800	* RCPT OFFICE 1-1508 PRT	12						
13	* RCPT NARCOTICS 1-1503 REF	1,200	20	1			1	20	1,200	* RCPT HD WORK 1-1506 REF	14						
15	* RCPT PHARM/TECH WORK 1-1500 PRT	800	20	1			1	20	500	* PWR - WORK/STOR 1-1506 HOOD	16						
17	* RCPT PICKING AREA 1-1501 PRT	800	20	1			1	20	500	* EAV - EAV-2	18						
19	* RCPT RECEIVING 1-1502 PRT	800	20	1			1	20	500	* PWR - STERILE COMP 1-1512 HOOD	20						
21	* PWR - NARCOTICS 1-1503 PYXIS	1,200	20	1			1	20	1,200	* PWR - VAV	22						
23	* PWR - NARCOTICS 1-1503 PYXIS	1,200	20	1			1	20	600	ROOM DAMPERS	24						
25	* PWR - NARCOTICS 1-1503 PYXIS	1,200	20	1			1	20	--	--	26						
27	* RCPT PHARM/TECH WORK 1-1500	800	20	1			1	20	500	* PWR - STERILE COMP 1-1514 HOOD	28						
29	* RCPT WORKSTATIONS 1-1509 PRT	800	20	1			1	20	1,220	* RCPT IV PREP 1-1504 CONTROL, TRKR	30						
31	* RCPT IV PREP 1-1504 PRT	800	20	1			1	20	900	* RCPT RECEIVING 1-1502	32						
33	* PWR NARCOTICS 1-1503 PYXIS	1,200	20	1			1	20	1,200	* RCPT PHARM/TECH WORK 1-1500 REF	34						
35	* RCPT PHARM/TECH WORK 1-1355	1,220	20	1			1	20	860	* RCPT PHARM/TECH WORK 1-1500	36						
37	SPARE	--	--	1			1	20	--	SPARE	38						
39	SPARE	--	--	1			1	20	--	SPARE	40						
41	SPARE	--	--	1			1	20	--	SPARE	42						
						66 A / 80 A / 82 A											
LOAD CLASSIFICATION		CONNECTED LOAD (VA)		ESTIMATED DEMAND (VA)		PANEL TOTALS											
MISC		9,100		9,100		EXISTING CONNECTED LOAD:						KVA	AMPS				
RCPT		17,840		13,920		REMOVED CONNECTED LOAD:						19	52.7				
						ADDED CONNECTED LOAD:						26.9	74.8				
						TOTAL CONNECTED LOAD:						29.4	81.6				
						TOTAL ESTIMATED DEMAND:						25.5	70.7				
SCHNEIDER ELECTRIC NQ00 LIGHTING PANELBOARD																	
NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD X 1.25. * = UTILIZE CIRCUIT BREAKER MADE AVAILABLE FROM DEMOLITION. UPDATE PANEL DIRECTORY.																	

NURSE CALL SYMBOLS LEGEND			
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)
	NURSE CALL CONSOLE (GRAPHICAL STAFF CONSOLE, DESK MT. - GRS10)	AA	NOTE#3
	37 PIN BED CONNECTOR OUTLET (AUDIO STATION BED CONNECTOR)	BB	18" AFF
	DOME LIGHT - REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOME LIGHT. MAY BE CEILING MOUNTED OR WALL MOUNTED.	DD	CEILING OR WALL MOUNT
	ZONE DOME LIGHT - REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOME LIGHT. MAY BE CEILING MOUNTED OR WALL MOUNTED.	DD	CEILING OR WALL MOUNT
	DOME LIGHT - SINGLE BUILD - REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOME LIGHT. MAY BE CEILING MOUNTED OR WALL MOUNTED.	DD	CEILING OR WALL MOUNT
	KEY SWITCH (ENABLE/DISABLE)	BB	48" AFF
	SINGLE JACK AUXILIARY ALARM INPUT STATION (EQUIPMENT RECEPTACLE)	BB	48" AFF
	DUAL JACK AUXILIARY ALARM INPUT STATION (EQUIPMENT RECEPTACLE)	BB	48" AFF
	SIX JACK AUXILIARY ALARM INPUT STATION (EQUIPMENT RECEPTACLE)	BB	48" AFF
	SINGLE PUSH BUTTON/SWITCH STATION - CODE BLUE	BB	48" AFF
	EMERGENCY PUSH BUTTON/SWITCH STATION - STAFF EMERGENCY/BATH	BB	48" AFF
	REMOTE AUDIO DEVICE W/CODE BLUE	BB	48" AFF
	EMERGENCY PUSH BUTTON/SWITCH STATION W/AUDIO - STAFF EMERGENCY/BATH	BB	48" AFF
	SINGLE PUSH BUTTON/SWITCH STATION - CODE PINK	BB	48" AFF
	SINGLE PATIENT STATION - STANDARD ROOM STATION W/O CODE BLUE LEVER - (SRS or GRS)	CC	48" AFF
	SINGLE PATIENT STATION - STANDARD ROOM STATION W/ CODE BLUE LEVER - (SRS or GRS) (DEVICE EQUIPPED WITH STAFF ASSIST/CODE BLUE)	CC	48" AFF
	DUTY STATION - STANDARD ROOMS STATION W/O CODE BLUE (SRS)	CC	48" AFF
	ROOM CONTROL BOARD MOUNTED MINIMUM OF 4" ABOVE FINISHED CEILING	FF	ABOVE ACCESSIBLE CEILING
	NURSE CALL - TELEVISION CROSS ROOM CONTROL CONNECTION	NOTE#3	NA
	CURBELL WALL MOUNTED REMOTE ENTERTAINMENT STATION	BB	NA
	NURSE CALL - OVERBED LIGHT CONTROL CONNECTION	NA	NA
	NURSE CALL NETWORK SWITCH MOUNTED INTO VENDOR RACK.	NA	NA

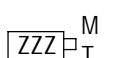


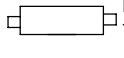

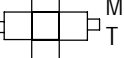




NURSE CALL BACK BOX SCHEDULE			
SYMBOL	DESCRIPTION		
AA	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
BB	DOUBLE GANG BACK BOX, 3 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
CC	3 DEVICE BACK BOX, NON GANGABLE, 3 1/2" DEEP AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
DD	DOUBLE GANG BACK BOX, 3 1/2" DEEP, AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. CONFIRM WITH SYSTEM VENDOR FOR DEVICE RING SIZE FOR THIS DEVICE.		
EE	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH BLANK COVER PLATE AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
FF	12" X 12" X 4" STEEL BOX ENCLOSURE MOUNTED ABOVE ACCESSIBLE CEILING SPACE. ENCLOSURE PROVIDED BY NURSE CALL VENDOR.		
NURSE CALL CABLE SCHEDULE			
SYMBOL	DESCRIPTION	MODEL # (BELDEN)	
A	4 PAIR CAT 5/5E 24AWG - NURSE CALL DATA CABLE	1583A	
B	2 CONDUCTOR 12AWG - NURSE CALL POWER	5000UE	
C	3 CONDUCTOR 22AWG, TV AND LOW VOLTAGE LIGHT RELAY	5501UE	
F	6 STRAND MULTIMODE FIBER, ARMORED	B98240	
NURSE CALL NOTES: 1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES. 2. NURSE CONSOLE RECEPTACLE SHALL BE MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED, AND THE ACTUAL DEVICE SHALL RESIDE ON THE COUNTERTOP. 3. TV CONTROL OUTLET SHALL BE MOUNTED IN SAME BACK BOX AS THE TV COAX/DATA CABLE.			

INTERCOM SYMBOLS LEGEND			
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			
SYMBOL	DESCRIPTION	MTG. HEIGHT UNO (NOTE 1)	
	INTERCOM MASTER CONTROL STATION - DESK MOUNTED - DOUBLE GANG BOX, 4" X 4", WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING.	18" AFF	
	INTERCOM REMOTE MONITORING LOCATION - DESK MOUNTED - DOUBLE GANG BACKBOX, 4" X 4", WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING.	18" AFF	
	INTERCOM DOOR STATION - WALL MOUNTED - DOUBLE GANG BACKBOX, 4" X 4", WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING.	48" AFF	
	INTERCOM DOOR STATION W/ CARD READER - FLUSH MOUNTED - PROPRIETARY BACK BOX, 1" CONDUIT STUBBED ABOVE CEILING.	48" AFF	
INTERCOM CABLE SCHEDULE			
SYMBOL	DESCRIPTION	PART#	
"IC"	2 CONDUCTOR #18 AWG	6300UE	
"IC-A"	CATEGORY CABLE	REFER TO DIV. 271500	
INTERCOM NOTES: 1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES. 2. CABLING CONTRACTOR TO PROVIDE AND INSTALL ALL INTERCOM CABLES AS SHOWN ON THE DRAWINGS, LEAVING A MINIMUM 2 FEET COILED AT EACH LOCATION. 3. DOOR STATIONS SHALL BE PROVIDED WITH DOOR UNLOCK CAPABILITY WITH THE ASSOCIATED DOOR FROM THE MASTER STATION. 4. REFER TO RESPONSIBILITY MATRIX SCHEDULE FOR OWNERSHIP OF RESPONSIBILITIES OF THE INTERCOM SYSTEM.			

ACCESS CONTROL SYMBOLS LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION		BACK BOX	MTG. HEIGHT UNO (NOTE 1)
	MOUNT	TECHNOLOGY		CEILING OR WALL MOUNT
<div></div> <div>EXAMPLE</div>	C - CEILING F - FLUSH M - MULLION R - RACK T - TURNSTILE	D - DESK H - HIDDEN P - POLE S - SURFACE W - WALL - SPECIFIC TO DEVICE - CAN BE MULTIPLE EX - EXISTING ETR - EXISTING TO REMAIN	XX	
<div></div>	CARD ACCESS READER S - SMART CARD F - ELEVATOR FLOOR CALL I - ICCLASS M - MAGSTRIPE	H - ELEVATOR HALL CALL P - PROXIMITY W - WIEGAND	D1	48" AFF
<div></div>	BIOMETRIC ACCESS READER F - FINGERPRINT I - IRIS V - VOICE	H - HAND GEOMETRY R - RETINA	D1	48" AFF
<div></div>	CARD ACCESS READER W/KEYPAD B - BARCODE F - ELEVATOR FLOOR CALL I - ICCLASS M - MAGSTRIPE	S - SMART CARD H - ELEVATOR HALL CALL P - PROXIMITY W - WIEGAND DUAL PUSH BUTTON	D1	48" AFF
<div></div>	KEYPAD D - DRY CONTACT	W - WIEGAND	D1	48" AFF
<div></div>	PUSH BUTTON D - DIRECT POWER DROP	X - REQUEST TO EXIT	D2	48" AFF
<div></div>	REMOTE RELEASE BUTTON U - UNDER COUNTER	W - WALL	D2	18" AFF
<div></div>	ACCESS CONTROL PANEL		N/A	(NOTE#4)
<div></div>	DOOR CONTACT		N/A	AS REQD.
<div></div>	PANIC BUTTON H - HARDWIRED W - WIRELESS		N/A	AS REQD.
<div></div>	KEY SWITCH A - ALTERNATE ACTION K - KEYED ALIKE LD - LED	IC - INTERCHANGEABLE CORE L - LATCHING M - MOMENTARY	D2	48" AFF
<div></div>	LOCK POWER SUPPLY		N/A	AS REQD.
<div></div>	PUSH PAD/ WAVE PLATE - DOOR OPENING ACTUATOR (NOTE #3)		D2	48" AFF

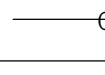

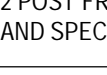

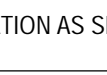


ACCESS CONTROL NOTES: 1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES. 2. REFER TO FLOOR PLANS FOR DEVICE LOCATION LAYOUT. 3. PUSH PAD/WAVE PLATES ARE SHOWN FOR COORDINATION OF BACK BOX ROUGH IN PURPOSES ONLY. REFER TO DIV OR SPECIFICATIONS FOR ADDITIONAL HARDWARE INFORMATION. 4. REFER TO ENLARGED COMM ROOM LAYOUT FOR EXACT PLACEMENT OF ACCESS CONTROL EQUIPMENT.			
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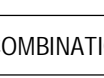

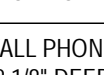
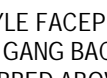
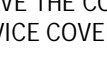
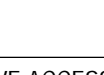
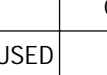
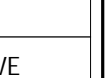

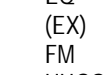
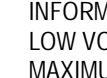
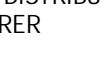

ACCESS CONTROL BACK BOX SCHEDULE			
SYMBOL	DESCRIPTION		
D1	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
D2	DOUBLE GANG BACK BOX, 3 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
D3	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH DOUBLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
D4	DOUBLE GANG BACK BOX, 3 1/2" DEEP, WITH DOUBLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
P1	PROPRIETARY BACK BOX WITH 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. REFER TO MANUFACTURER SPECIFICATIONS FOR DEVICE BACK BOX REQUIREMENTS AND PART #S.		


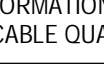



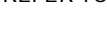

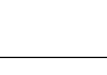
VIDEO SURVEILLANCE SYMBOLS LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION		BACK BOX	MTG. HEIGHT UNO (NOTE 1)
	M-MOUNTING TYPE		T-TECHNOLOGY (CAMERA TYPE)	CEILING OR WALL MOUNT
 M	C - CEILING M - MULLION PE - PENDANT T - TURNSTILE	D - DESK P - POLE R - RACK W - WALL	F - FLUSH PA - PARAPET S - SURFACE CO - CORNER	- SPECIFIC TO DEVICE - CAN BE MULTIPLE - SHOWN BELOW FOR EACH CAMERA ZZZ = FIELD OF VIEW
EXAMPLE				
 M	STATIONARY CAMERA E - ENVIRONMENTAL P - POE V - VANDAL RESISTANT		C - COVERT D - DOME F - FISHEYE	AS REQD.
 M	PANTILT/PTZOOM CAMERA B - BOX P - POE V - VANDAL RESISTANT		E - ENVIRONMENTAL D - DOME	AS REQD.
 M	2 SENSOR CAMERA E - ENVIRONMENTAL D - DOME		P - POE V - VANDAL RESISTANT	
 M	3 SENSOR CAMERA E - ENVIRONMENTAL D - DOME		P - POE V - VANDAL RESISTANT	AS REQD.
 M	4 SENSOR CAMERA E - ENVIRONMENTAL D - DOME		P - POE V - VANDAL RESISTANT	AS REQD.
 M	MONITOR D - DESKTOP R - RECESSED		S - SWING ARM T - WITH TILT	D2 AS REQD.
 M	VIDEO RECORDER D - DVR		N - NVR	AS REQD.
 M	SWITCH K - KEY SWITCH P - PUSH BUTTON		T - TOGGLE	D2 AS REQD.
 M	POWER SUPPLY A - 12VDC B - 24VAC		P - POE	AS REQD.

VIDEO SURVEILLANCE NOTES: 1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES. 2. REFER TO FLOOR PLANS FOR DEVICE LOCATION LAYOUT. 3. REFER TO ENLARGED COMM ROOM LAYOUT AND TYPICAL EQUIPMENT RACK LAYOUTS FOR EXACT PLACEMENT OF HEADEND EQUIPMENT.			
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VIDEO SURVEILLANCE BACK BOX SCHEDULE	
TYPE	DESCRIPTION
INDOOR WALL MOUNT	DOUBLE GANG BACK BOX, 2 1/8" DEEP, MOUNTED VERTICALLY, WITH SINGLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
INDOOR CEILING MOUNT	LAY IN CEILING - 2X2 METAL CAMERA CEILING TILE WITH ADDITIONAL CEILING GRID SUPPORT HARD-PAN CEILING - DOUBLE GANG BACK BOX, 2 1/8" DEEP, FLUSH MOUNTED IN CEILING, AND 3/4" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.
OUTDOOR WALL MOUNT	SINGLE GANG WEATHERPROOF BACK BOX, 2 1/8" DEEP, FLUSH MOUNTED VERTICALLY, AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.
OUTDOOR CORNER MOUNT	DOUBLE GANG ALUMINUM WEATHERPROOF BACK BOX, 2 1/8" DEEP, SURFACE MOUNTED APPROXIMATELY SAME HEIGHT AS CORNER MOUNT, 3/4" LIQUID-TITE FROM BACK BOX TO CAMERA (WITH DRIP LOOP), AND 3/4" CONDUIT PATHWAY FROM BACK BOX STUBBED TO ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.
PARAPET MOUNT	DOUBLE GANG ALUMINUM WEATHERPROOF BACK BOX, 2 1/8" DEEP, SURFACE MOUNTED ON INSIDE OF PARAPET, 3/4" LIQUID-TITE FROM BACK BOX TO CAMERA (WITH DRIP LOOP), AND 3/4" CONDUIT PATHWAY FROM BACK BOX STUBBED TO ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.

GENERAL SYMBOLS LEGEND			
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			
	PROPOSED CABLE PATH - SEE DETAILS FOR MORE INFORMATION. CABLE PATH SHOWN FOR COORDINATION PURPOSES ONLY. PATH SHALL BE FIELD VERIFIED BY INSTALLATION CONTRACTOR.		
	2" UNLESS NOTED OTHERWISE, PRE-MANUFACTURED SLEEVE FIRE RATED PATHWAY DEVICE THROUGH RATED WALL, EMT SLEEVE THROUGH NON-RATED WALL.		
	VERTICAL CORE AND SLEEVE THROUGH FLOOR - PROVIDE EMT SLEEVE, EQUIPPED WITH PLASTIC BUSHING ON BOTH ENDS. REFER TO FLOOR PLANS FOR SIZING. RATING SHALL MATCH FLOOR BEING PENETRATED. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR RATING.		
	2 POST FREESTANDING EQUIPMENT RACK - SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.		
	4 POST FREESTANDING EQUIPMENT RACK - SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.		
	BASKET TRAY - SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.		
	TELECOMMUNICATIONS GROUND BUSS BAR (TGB) - 1/4" X 4" X 12", C/PI PART # 40153-012 OR EQUAL		

VOICE/DATA SYMBOLS LEGEND			
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			
SYMBOL	DESCRIPTION	MTG. HEIGHT UNO (NOTE 1)	
	VOICE ONLY OUTLET	18" AFF	
	HOSPITAL DATA NETWORK ONLY OUTLET	18" AFF	
	COMBINATION VOICE & HOSPITAL DATA NETWORK OUTLET	18" AFF	
	PHYSIOLOGICAL MONITORING NETWORK OUTLET	18" AFF	
	FETAL MONITORING NETWORK OUTLET	18" AFF	
	COMBINATION PHYSIOLOGICAL MONITORING NETWORK & HOSPITAL DATA NETWORK OUTLET	18" AFF	
	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE. PROVIDE DOUBLE GANG BACK, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.	48" AFF	
	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE. MOUNTED ABOVE COUNTER, PROVIDE DOUBLE GANG BACK, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.	42" AFF	
	ABOVE COUNTER OUTLET, #-CABLE QUANTITY, MOUNTED ABOVE THE COUNTERTOP. PROVIDE DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.	42" AFF	
	FLOOR MOUNTED OUTLET, #-CABLE QUANTITY, REFER TO ELECTRICAL (E) SHEETS FOR ADDITIONAL, ROUGH IN REQUIREMENTS.	FLOOR	
	CEILING MOUNTED OUTLET, #-CABLE QUANTITY, OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS AND LEAVE A MINIMUM 25 FEET COILED AT THE LOCATION.	ABOVE ACCESSIBLE CEILING	
	DATA OUTLET FOR WIRELESS ACCESS POINT DEVICE, #-CABLE QUANTITY, OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS WITH A MINIMUM 25 FEET COILED AT THE DEVICE LOCATION. CONTRACTOR SHALL RELOCATE OUTLETS AND MOUNT DEVICE PER OWNERS IT WIRELESS SURVEY.	ABOVE ACCESSIBLE CEILING	
	WIRELESS TELEMETRY MONITORING OUTLET, #-CABLE QUANTITY, OUTLET TO BE LOCATED ABOVE ACCESSIBLE CEILING SPACE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS AND LEAVE A MINIMUM 25 FEET COILED AT THE OUTLET LOCATION. ROUTE OTHER END TO NEAREST TELEMETRY BACKBOARD LOCATION, LEAVING A MINIMUM 15 FEET COILED UP.	ABOVE ACCESSIBLE CEILING	
	DATA OUTLET FOR RTLS DEVICE, #-CABLE QUANTITY, OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS WITH A MINIMUM 25 FEET COILED AT THE DEVICE LOCATION.	ABOVE ACCESSIBLE CEILING	
VOICE/DATA NOTES: 1. VOICE, DATA, AND/OR COMBINATION OUTLET, #-OUTLET/CABLE QUANTITY, PROVIDE DOUBLE GANG DEVICE BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. 2. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES. 3. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF OUTLETS FOR TELEVISIONS, INFO, MONITORS, DIGITAL SIGNAGE, AND/OR OTHER WALL MOUNTED MONITORS WITH VENDOR-PROVIDED MOUNTING BRACKET PRIOR TO ROUGH IN. 4. 48" AFF INDICATES TO TOP OF DEVICE. 18" AFF INDICATES TO CENTER OF DEVICE. 60" AFF INDICATES TO BOTTOM OF DEVICE. 80" AFF INDICATES TO BOTTOM OF DEVICE. ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE. 5. SOME DEVICES MAY HAVE SPECIAL DESCRIPTORS CALLING OUT EQUIPMENT SERVED BY OUTLET. SEE ABBREVIATIONS FOR ADDITIONAL REFERENCE.			

TELEVISION/MONITOR SYMBOLS LEGEND			
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)
	TRACKER MONITOR: #-CABLE QUANTITY	D	NOTE 2
	INFORMATION MONITOR: #-CABLE QUANTITY	D	NOTE 2
	WALL MOUNTED PHYSIOLOGICAL MONITORING TRACKER MONITOR: #-CABLE QUANTITY OF PATIENT MONITORING DATA CABLES	A	NOTE 2
	WALL MOUNTED FETAL MONITORING TRACKER MONITOR: #-CABLE QUANTITY OF FETAL MONITORING DATA CABLES	A	NOTE 2
	SECURITY MONITOR: ONE DATA CABLE	A	NOTE 2 & 4
	NON-CLINICAL TELEVISION (WAITING RM, BREAK RM, ETC.): TELEVISION OUTLET - ONE RG6 COAX CABLE, #-CABLE QUANTITY OF DATA CABLES	D	NOTE 2 & 3
	PATIENT ROOM TELEVISION OUTLET: ONE RG6 COAX CABLE, NURSE CALL PILLOW SPEAKER JACK, & FOUR DATA CABLES	E	NOTE 2 & 3
	TV JUNCTION BOARD - PROVIDE A MINIMUM 4" X 4" OF CLEAR WALL BACKBOARD SPACE FOR CATV EQUIPMENT AND CONNECTIONS. REFER TO CONTRACT DRAWINGS FOR EXACT LOCATION OF TVJ.	N/A	N/A

TELEVISION ROUGH IN LEGEND			
SYMBOL	DESCRIPTION		
A	DOUBLE GANG BACK BOX, 2 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
B	DOUBLE GANG BACK BOX, 2 1/2" DEEP, WITH DOUBLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		
C	TRIPLE GANG BACK BOX, 2 1/2" DEEP AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. POWER AND LOW VOLTAGE OUTLET SHALL SHARE SAME BACK BOX. CONTRACTOR TO PROVIDE VOLTAGE PARTITION WITHIN BACK BOX.		
D	ARLINGTON RECESSED AV BOX (PART # TVBS0413). PROVIDE (1) 1" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.		
E	ARLINGTON RECESSED AV BOX (PART # TVBS4613). PROVIDE (1) 1" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.		

TELEVISION NOTES: 1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES. 2. COORDINATE OUTLET LOCATION WITH TV MOUNTING BRACKET PRIOR TO ROUGH IN. 3. REFER TO RESPONSIBILITY MATRIX FOR OWNERSHIP OF RESPONSIBILITY AT TELEVISION DEVICE OUTLET. 4. REFER TO SECURITY SHEETS FOR DEVICE LOCATION. 5. 48" AFF INDICATES TO TOP OF DEVICE. 18" AFF INDICATES TO CENTER OF DEVICE. 60" AFF INDICATES TO BOTTOM OF DEVICE. 80" AFF INDICATES TO BOTTOM OF DEVICE. ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.			
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TECHNOLOGY GENERAL NOTES:

- CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR PROPOSAL AND BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED, AND CORRELATE THEIR SITE OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. INCONSISTENCIES DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER AT ONCE, BEFORE SUBMITTAL OF BID PROPOSAL.
- ALL COMMUNICATIONS PRODUCTS AND INSTALLATIONS SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. REFER TO MANUFACTURER SPECIFICATIONS FOR MATERIALS AND METHODS FOR COMMUNICATIONS CONSTRUCTION. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES, AND COMPLY WITH ALL NATIONAL, STATE, AND MUNICIPAL LAWS, CODES, AND ORDINANCES RELATING TO BUILDING AND PUBLIC SAFETY.
- CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM.
- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND U.L. LISTED OR LABELED. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND LISTINGS OR LABELING REQUIREMENTS AND RESTRICTIONS. PROVIDE SUBMITTAL DATA AS DEPI

A. ALL EXISTING DEVICES MAY NOT BE SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ARCHITECTURAL PLANS AND OTHER TRADES TO DETERMINE THE LOCATION OF EACH DEVICE. WHERE NO CONSTRUCTION IS TO OCCUR, EXISTING DEVICES SHALL BE PROTECTED IN PLACE AND REMAIN IN OPERATION THROUGHOUT DURATION OF ALL PROJECT PHASES.

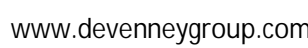
B. INFORMATION PROVIDED ON THESE DRAWINGS HAVE BEEN TAKEN FROM DESIGN DRAWING AND FIELD OBSERVATION. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

C. PROVIDE FOR ANY AND ALL DEMOLITION WORK NECESSARY TO ACCOMMODATE ALL NEW CONSTRUCTION, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING AND/OR ELECTRICAL WORK. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. LOW VOLTAGE DEVICES AND THEIR ASSOCIATED CONDUITS, BACKBOXES AND CABLING BACK TO POINT OF ORIGINATION, EXISTING CABLING PASSING THROUGH DME AREA, NOT BEING DEMOLISHED, SHALL BE SUPPORTED UTILIZING J-HOOK CABLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. LOW VOLTAGE DEVICES (INCLUDING BUT NOT LIMITED TO: VOICE, DATA, OVERHEAD PAGING, VIDEO SURVEILLANCE CAMERAS, PHYSIOLOGICAL MONITORING, TELEMETRY, NURSING CALL, SECURITY DEVICES, ETC.) SHALL BE PROTECTED AND REMAIN IN OPERATION THROUGHOUT DURATION OF ALL PROJECT PHASES.

D. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF DAMAGE TO FIREPROOFING, FINISHES OR STRUCTURE CAUSED BY TELECOM, LOW-VOLTAGE, OR SECURITY CONTRACTORS. RESTORATION SHALL BE RESTORED TO SAME CONDITION AS BEFORE DAMAGE OCCURRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS TO INSTALL AN ITEM. THE CONTRACTOR SHALL RESTORE THE AREA TO PREVIOUS CONDITION OR REPLACE DAMAGED ITEMS WITH NEW ITEMS TO MATCH EXISTING.

E. WHERE AREAS BEING DEMOLISHED CONTAIN HAZARDOUS MATERIALS OR SYSTEMS DEVICES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND REMOVAL OF SUCH MATERIALS OR PROGRAMMING PRIOR TO REMOVAL TO PREVENT FALSE ALARMING AND LOCKDOWN OF DEMOLITION SYSTEM.

1. LOCATION OF EXISTING COMMUNICATIONS IDF ROOM CURRENTLY SERVING AREA. CONTRACTOR SHALL COORDINATE WITH OWNER'S IT&S PERSONNEL TO CLEAN UP ROOM AND CLEAR UP ADDITIONAL SPACE FOR NEW DEVICE TERMINATIONS AND EQUIPMENT. ALL DEMOLISHED CABLING SHALL BE REMOVED TO POINT OF ORIGINATION.
2. EXISTING WALL MOUNTED AND CEILING DEVICES AND ASSOCIATED CABLING, CONDUIT AND BACKBOXES WITHIN WALL/AREA SHALL BE DEMOLISHED TO POINT OF ORIGINATION. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY JHOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.



WSN



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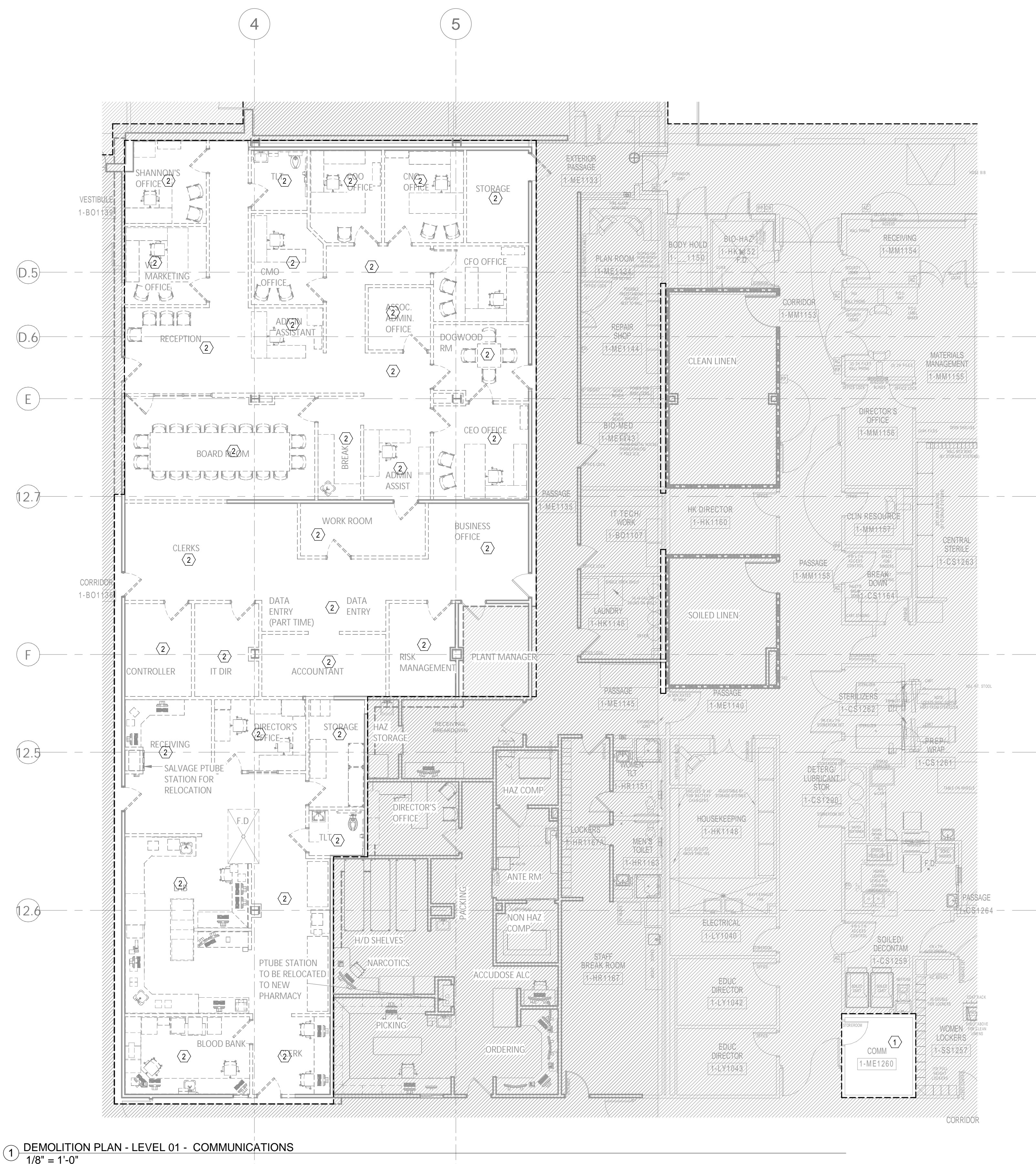
AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: 1/8" = 1'-0"
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REVIEWED: WSP
JOB NUMBER: 6406.24

DEMOLITION PLAN - LEVEL
1 - SECTOR B - LAB,
PHARMACY & EVS -
COMMUNICATIONS

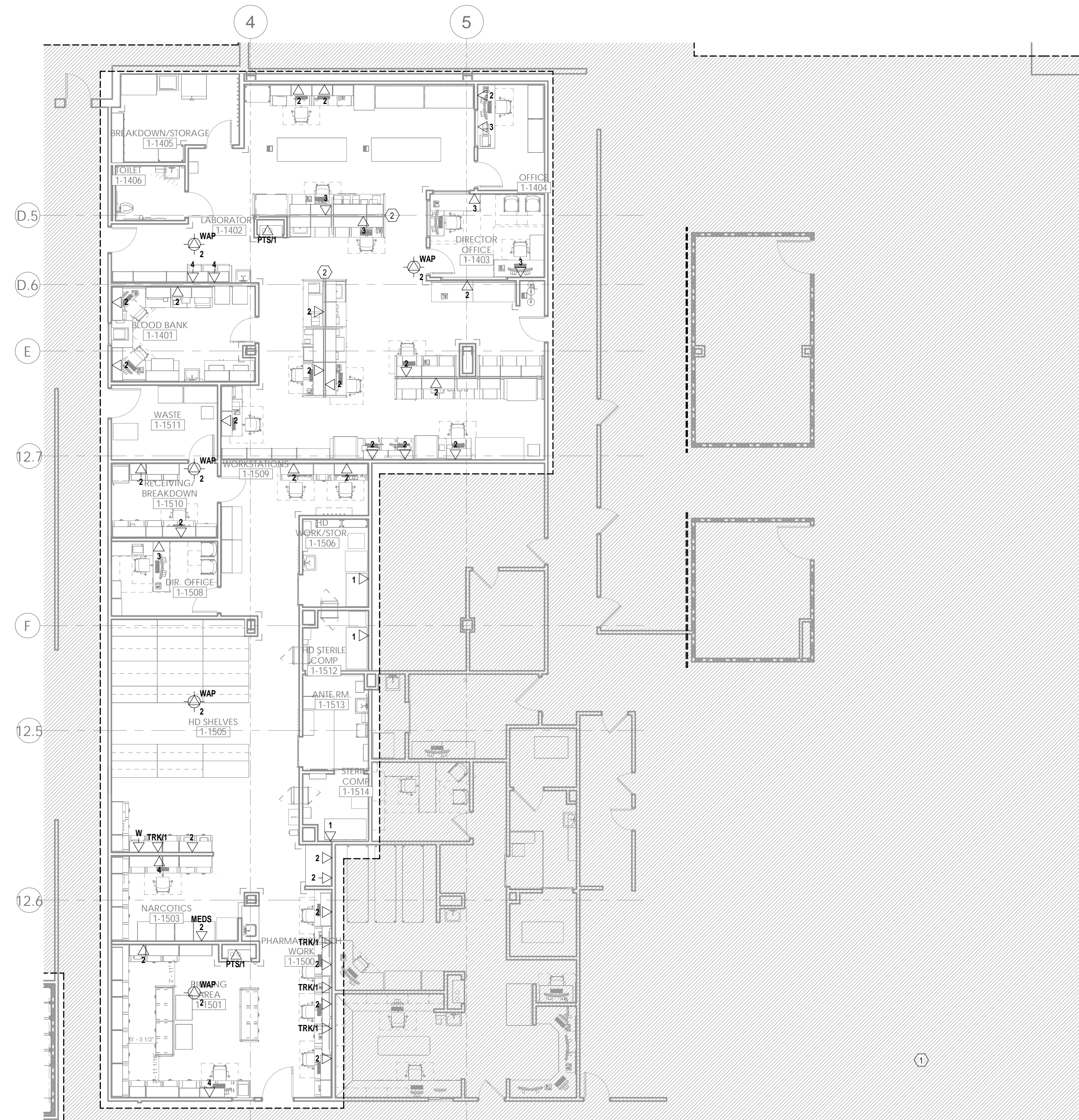
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① DEMOLITION PLAN - LEVEL 01 - COMMUNICATIONS
1/8" = 1'-0"

LEVEL 1 - KEYPLAN

SECTOR B



1 FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - COMMUNICATIONS
1/8" = 1'-0"

GENERAL NOTES:

- REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL DEVICES.
- REFER TO SHEET T00-00 FOR GENERAL NOTES AND SYMBOLS APPEARING ON THIS SHEET.
- ALL DEVICES WITHIN ROOMS CONTAINING HARD PAN CEILINGS SHALL HAVE CONDUITS ROUTED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
- COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90-DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS. IF THERE IS REVERSE BEND IN THE SECTION, A PULL POINT SHALL BE INSTALLED. PULL BOXES SHALL NOT BE USED IN LIEU OF BENDS. THE INSIDE RADIUS OF ALL CONDUIT BENDS SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING INSTALLATION. NO DAISY CHAINING OF BACK BOXES ALLOWED UNLESS OTHERWISE NOTED.
- ALL CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING SPACE USING LOW-VOLTAGE SUPPORTS SIZED AT 40% FILL BASED ON CURRENT NEEDS.

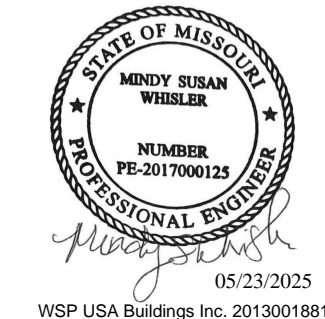
LEGEND NOTES

- LOCATION OF EXISTING COMMUNICATIONS IDF ROOM. ALL WORK WITHIN THIS ROOM SHALL BE COORDINATED WITH OWNER'S IT/AS PERSONNEL PRIOR TO ROUGH IN.
- OUTLETS LOCATED WITHIN SYSTEMS FURNITURE. COORDINATE WITH SYSTEMS FURNITURE CONTRACTOR FOR ROUGH-IN REQUIREMENTS.



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LAB & PHARMACY RENOVATION

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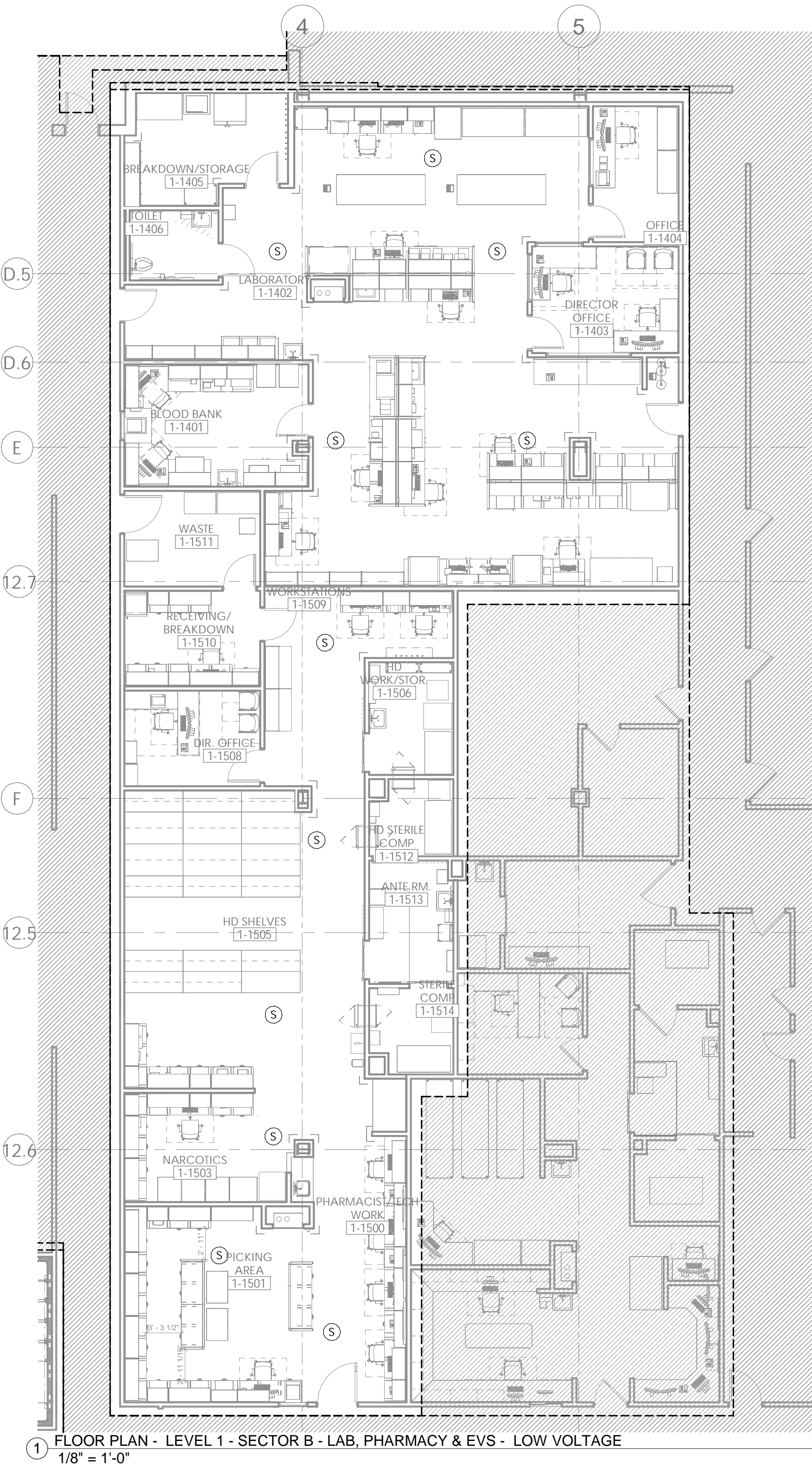
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FLOOR PLAN - LEVEL 1 -
SECTOR B - LAB, PHARMACY
& EVS - COMMUNICATIONS

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1 FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - LOW VOLTAGE
1/8" = 1'-0"

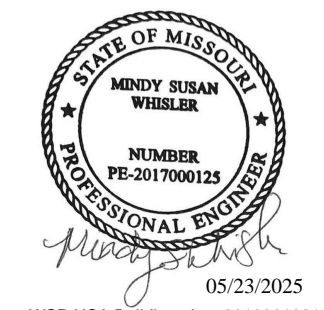
GENERAL NOTES:

- A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL DEVICES.
- B. REFER TO SHEET T00-00 FOR GENERAL NOTES AND SYMBOLS APPEARING ON THIS SHEET.
- C. ALL DEVICES WITHIN ROOMS CONTAINING HARD PAN CEILINGS SHALL HAVE CONDUITS ROUTED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
- D. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90-DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS. IF THERE IS REVERSE BEND IN THE SECTION, A PULL POINT SHALL BE INSTALLED. PULL BOXES SHALL NOT BE USED IN LIEU OF BENDS. THE INSIDE RADIUS OF ALL CONDUIT BENDS SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING INSTALLATION. NO DAISY CHAINING OF BACK BOXES ALLOWED UNLESS OTHERWISE NOTED.
- E. ALL CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING SPACE USING LOW-VOLTAGE SUPPORTS SIZED AT 40% FILL BASED ON CURRENT NEEDS.
- F. ALL OVERHEAD PAGING SPEAKERS SHOWN SHALL BE DAISY-CHAINED USING PUBLIC ADDRESS CALL CABLE TYPE "S".
- G. CONTRACTOR SHALL SIZE PAGING AMPLIFIER TO PROVIDE A 40% GROWTH RATE AT TIME OF INSTALLATION. OVERHEAD PAGING EQUIPMENT WILL BE HOUSED IN ONE IDF ROOM PER FLOOR AS NOTED PER ENLARGED FLOOR PLANS.
- H. CONTRACTOR SHALL LABEL BOTH ENDS OF NURSE CALL CABLE TO CLEARLY IDENTIFY WHAT ROOMSPACE & DEVICE EACH CABLE IS ASSOCIATED WITH.
- I. CONTRACTOR SHALL LEAVE A MINIMUM OF 18 INCHES OF SLACK AT ALL WALL MOUNTED NURSE CALL DEVICES, 15 FEET AT ALL CEILING MOUNTED NURSE CALL DEVICES, AND 25 FEET OF SLACK AT THE NURSE CALL HEADEND PANEL/NETWORK SWITCH LOCATION.



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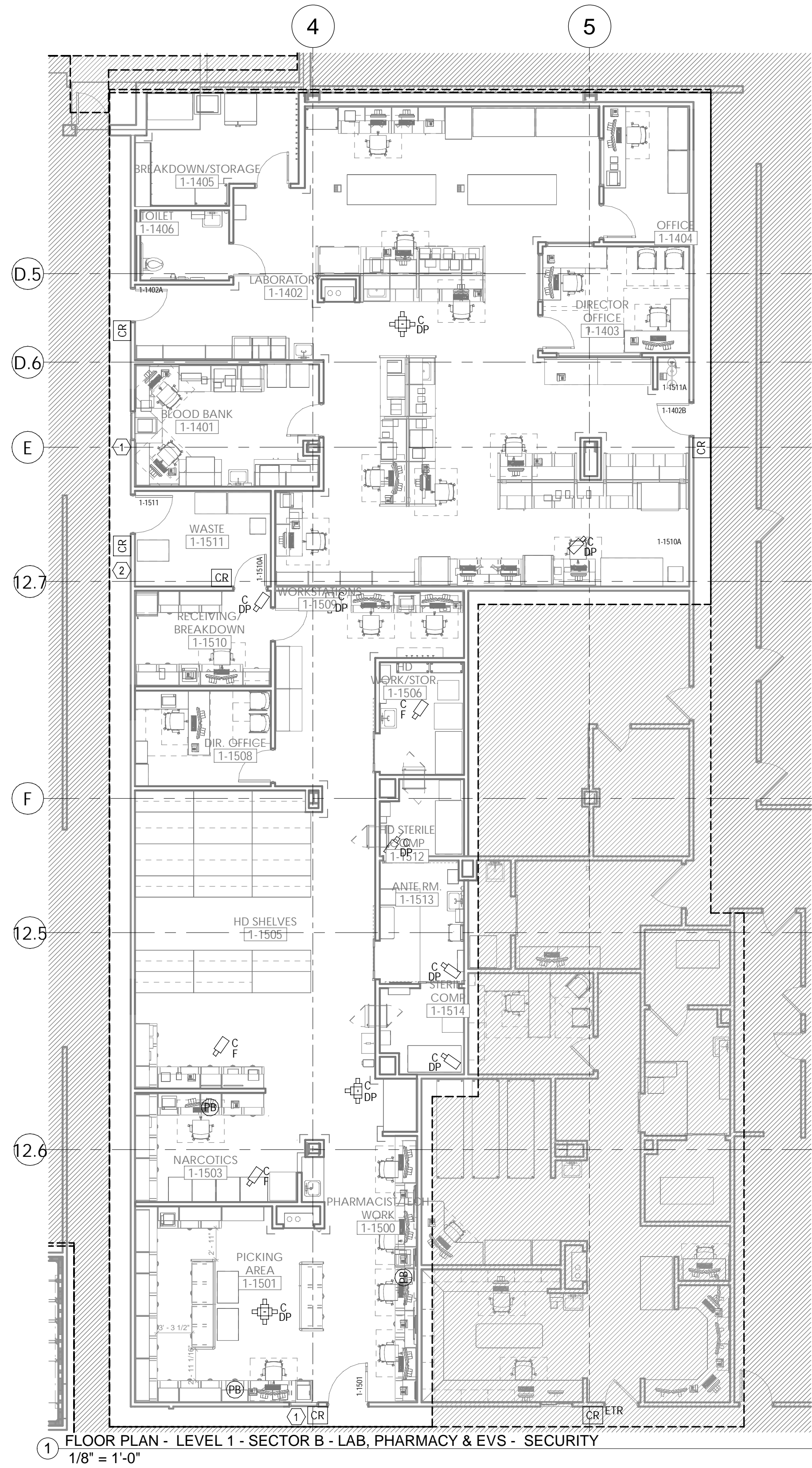
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FLOOR PLAN - LEVEL 1 - SECTOR B - LAB, PHARMACY & EVS - LOW VOLTAGE

T03-01

Autodesk Docs/6406.24 - HCA - Lee's Summit Medical Center (SMC)_1/23/2025 MEP - LSNIC Lab & Pharmacy Renovation - R23.rvt 5/20/2025 2:54:43 PM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternate schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



GENERAL NOTES

- REFER TO SHEET T00-00 FOR SYMBOLS AND ADDITIONAL GENERAL NOTES PERTAINING TO THIS SHEET.
- REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL WALL MOUNTED DEVICES.
- ALL DEVICES WITHIN AREAS OF HARD PAN CEILINGS SHALL BE PIPED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
- ALL LOW VOLTAGE CABLES SHALL BE INSTALLED IN LOW VOLTAGE CABLING SUPPORT SYSTEM.
- COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS.
- WIRING TO DEVICES SHALL MEET OR EXCEED MANUFACTURER SPECIFICATIONS.
- DOOR HARDWARE PROVIDED AND/OR INSTALLED BY DIVISION 08 IS SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION AND INSTALLATION METHODS FOR THESE DEVICES SHALL BE BY DIVISION 08.
- SECURITY ACCESS CONTROL, DOOR HARDWARE, AND ELECTRICAL CONTRACTORS SHALL COORDINATE FOR INFRASTRUCTURE, INSTALLATION, AND OPERATIONAL VERIFICATION OF ACCESS CONTROLLED DOOR SYSTEMS PRIOR TO ROUGH-IN.
- NOT ALL DOOR DEVICES MAY BE SHOWN ON THIS SHEET. REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATION FOR HARDWARE LISTING.
- SEPARATE POWER SUPPLIES MAY BE REQUIRED. REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATION AND MANUFACTURER REQUIREMENTS. DIVISION 26 CONTRACTOR SHALL PROVIDE POWER CIRCUIT AS REQUIRED.
- ALL DOORS HAVING A CARD READER SHALL BE PROVIDED WITH DOOR CONTACT(S) AND A REQUEST-TO-EXIT SIGNALING DEVICE FOR DOOR STATUS/ DOOR FORCED NOTIFICATION CAPABILITY.
- DOOR STATUS SWITCH LOCATION MAY REQUIRE ADJUSTMENT DUE TO DOOR HARDWARE INTERFERENCE. DOOR STATUS SWITCH SHALL BE INSTALLED AS CLOSE TO DOOR STRIKE SIDE OF FRAME AS POSSIBLE.
- SECURITY AND DOOR HARDWARE CONTRACTORS SHALL PROVIDE PROPER DELAY/ SYNCHRONIZATION BETWEEN LOCKS, LATCHES, MAGNETIC LOCKS, AND AUTO OPERATORS AS PER DOOR HARDWARE SPECIFICATIONS OPERATIONAL NOTES.
- ACCESS CONTROL JUNCTION BOX SHALL BE INSTALLED ON SECURE SIDE OF DOOR, IN AN ACCESSIBLE LOCATION. BOX SHALL BE MINIMUM 4X4 DEEP BOX WITH BLANK COVER PLATE. PROVIDE 1" MT PATHWAY FROM BOX TO SECURE SIDE OF WALL.
- FIRE DROP RELAY SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR FOR DOOR HARDWARE AND POWER SUPPLIES REQUIRING A FIRE ALARM INTERFACE.
- CEILING MOUNTED VIDEO SURVEILLANCE CAMERAS SHALL BE PROVIDED WITH A 15' CABLE SERVICE LOOP ABOVE CEILING AT CAMERA END.
- VIDEO SURVEILLANCE CAMERA SHOWN IN COMM ROOM FOR COORDINATION PURPOSES ONLY. CAMERA SHALL PATCH DIRECTLY INTO NETWORK SWITCH LOCATED WITHIN THIS ROOM. ADDITIONAL CABLING AND TERMINATION IS NOT REQUIRED.
- ACCESS CONTROL PANELS SHALL BE LOCATED IN COMM ROOM NOTED ON THE T002-01 SHEET.

LEGEND NOTES

- PROVIDE OPTIONAL MANUFACTURER PROVIDED INTEGRATED CALL BUTTON AND SPEAKER PACKAGE FOR WINDOW DRAWER UNIT.
- PROVIDE COMMERCIAL GRADE DOORBELL FROM THIS LOCATION TO RING IN RECEIVING/ BREAKDOWN OFFICE.



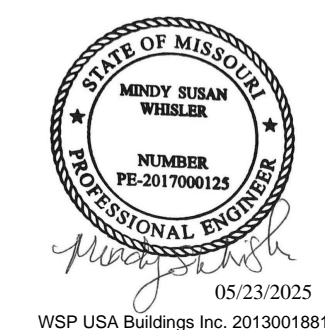
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LEE'S SUMMIT, MO 64063

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CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

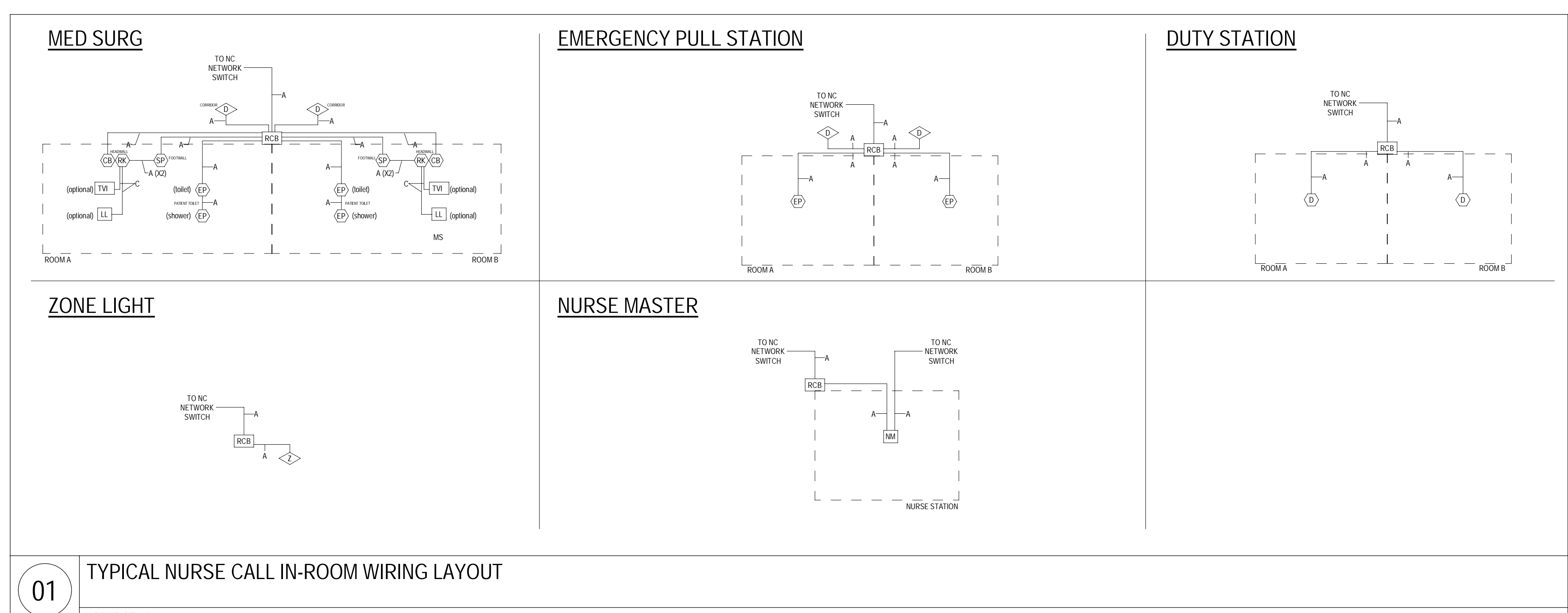
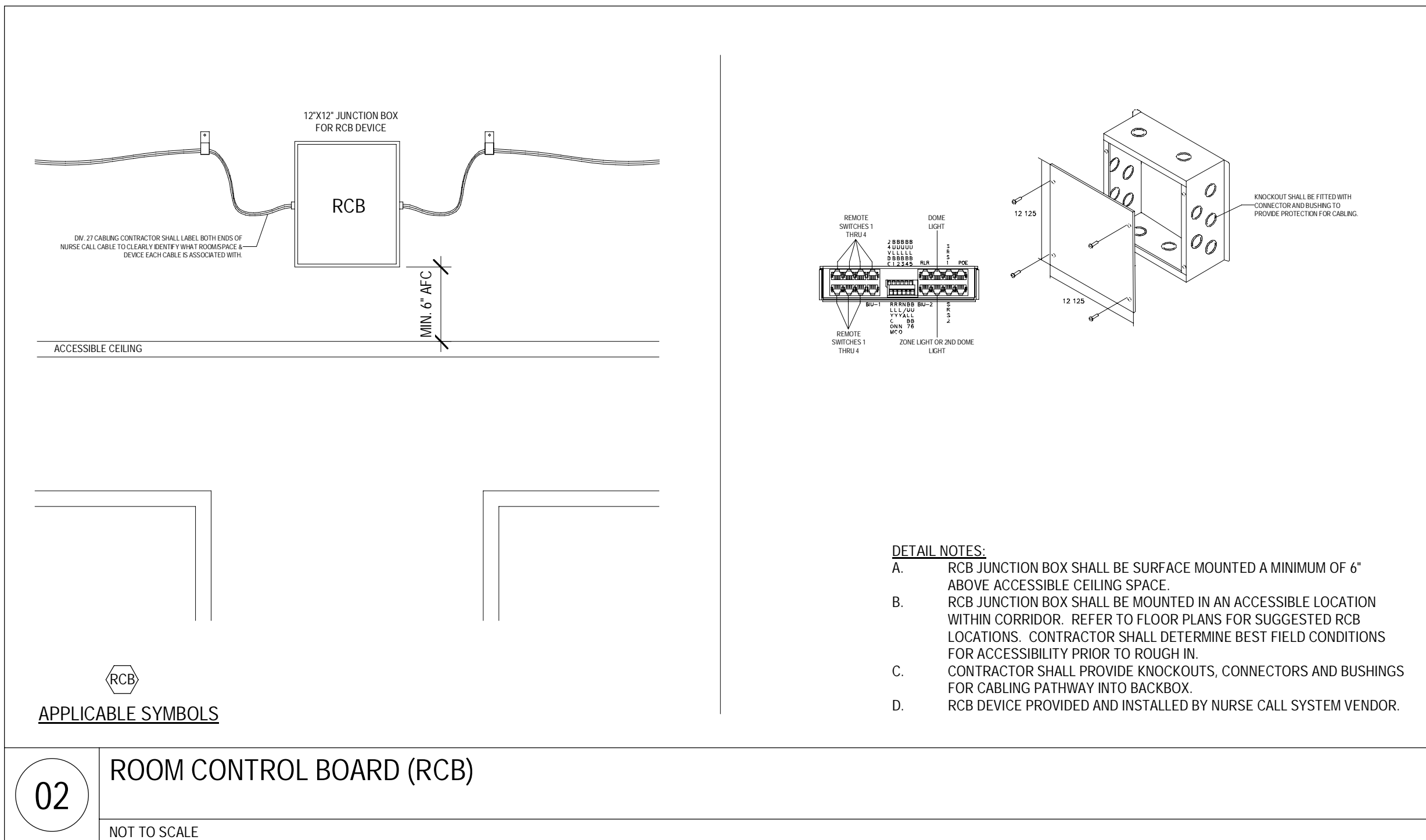
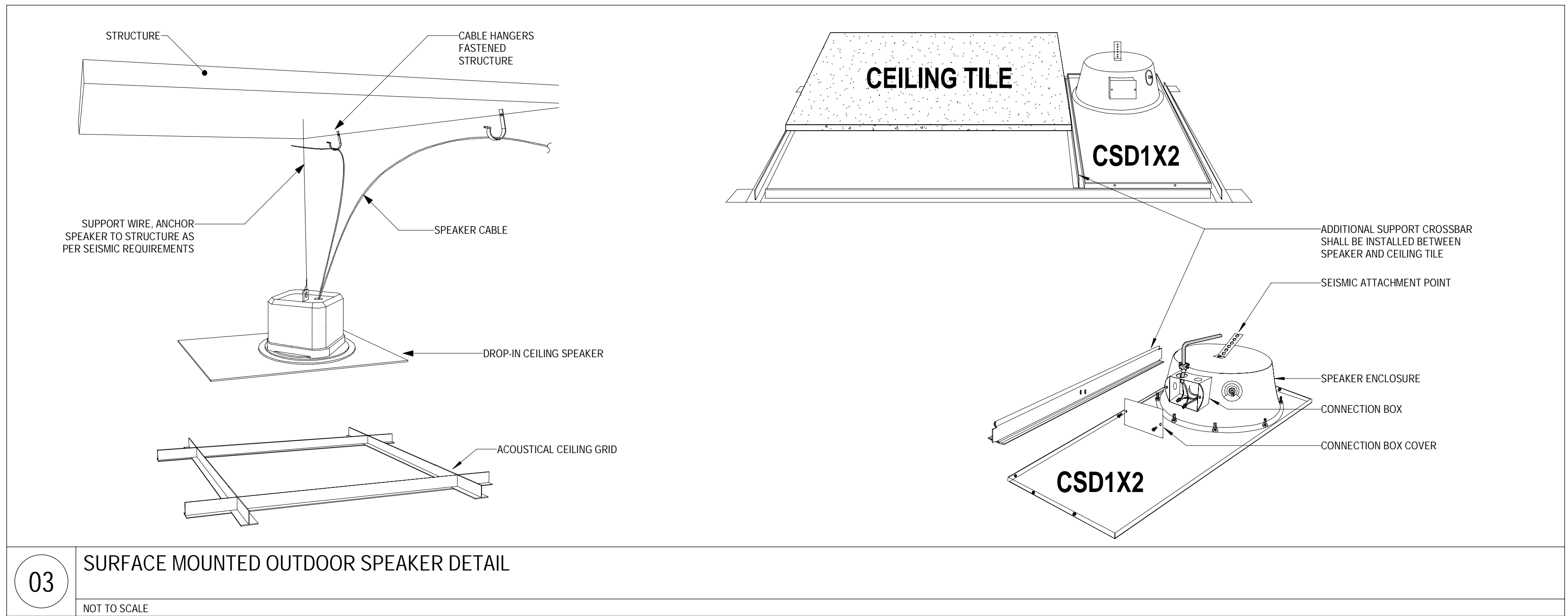
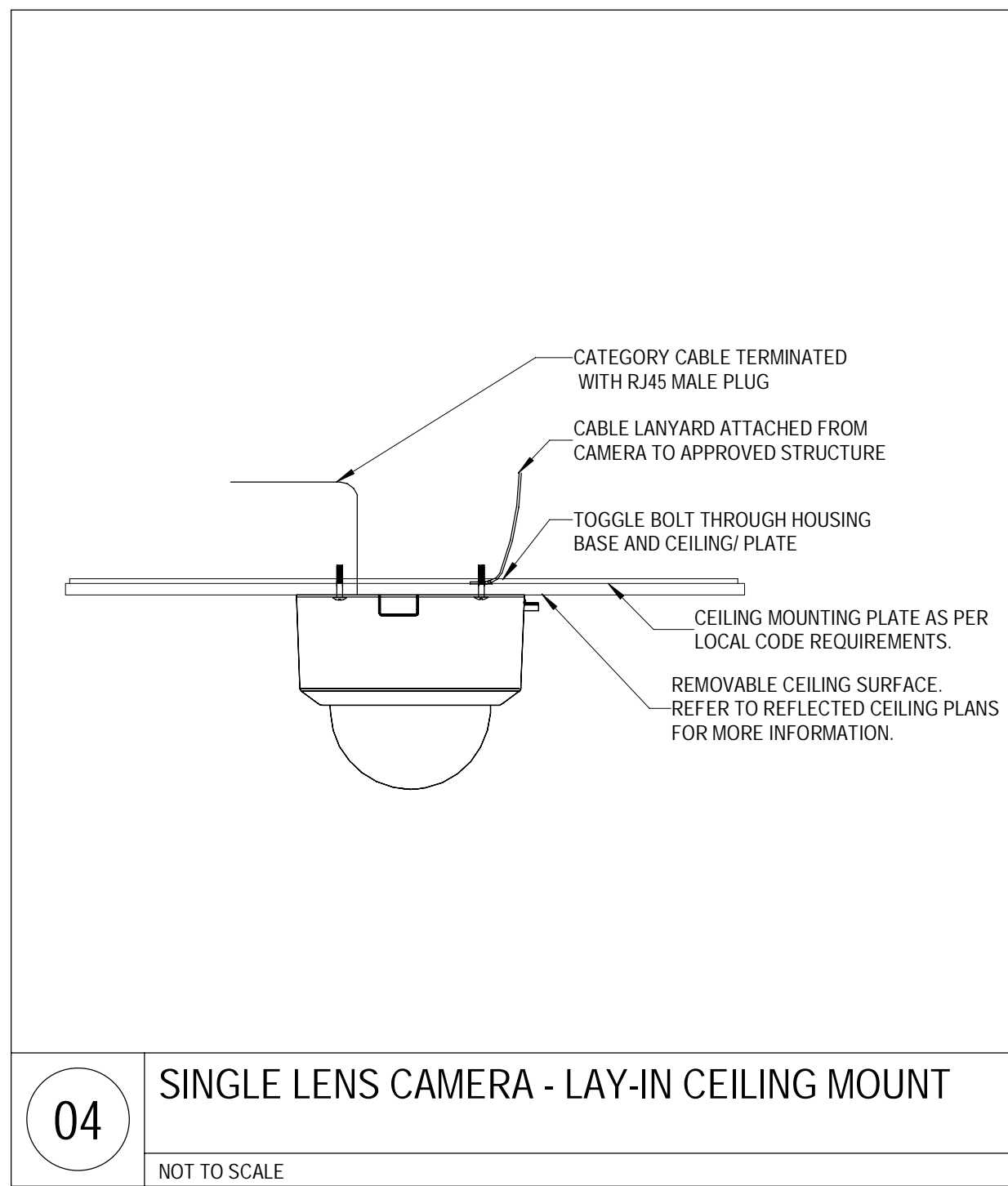
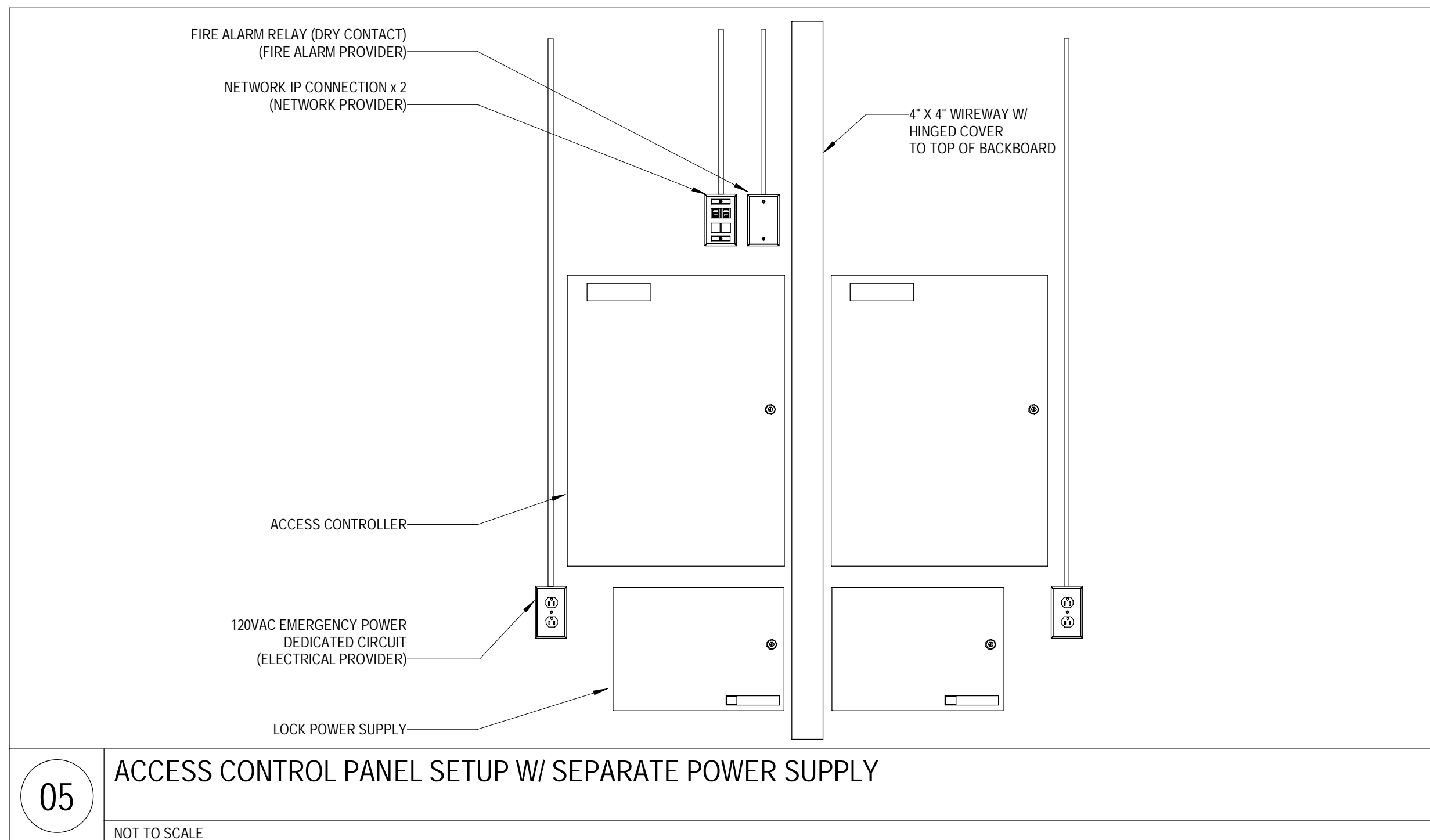
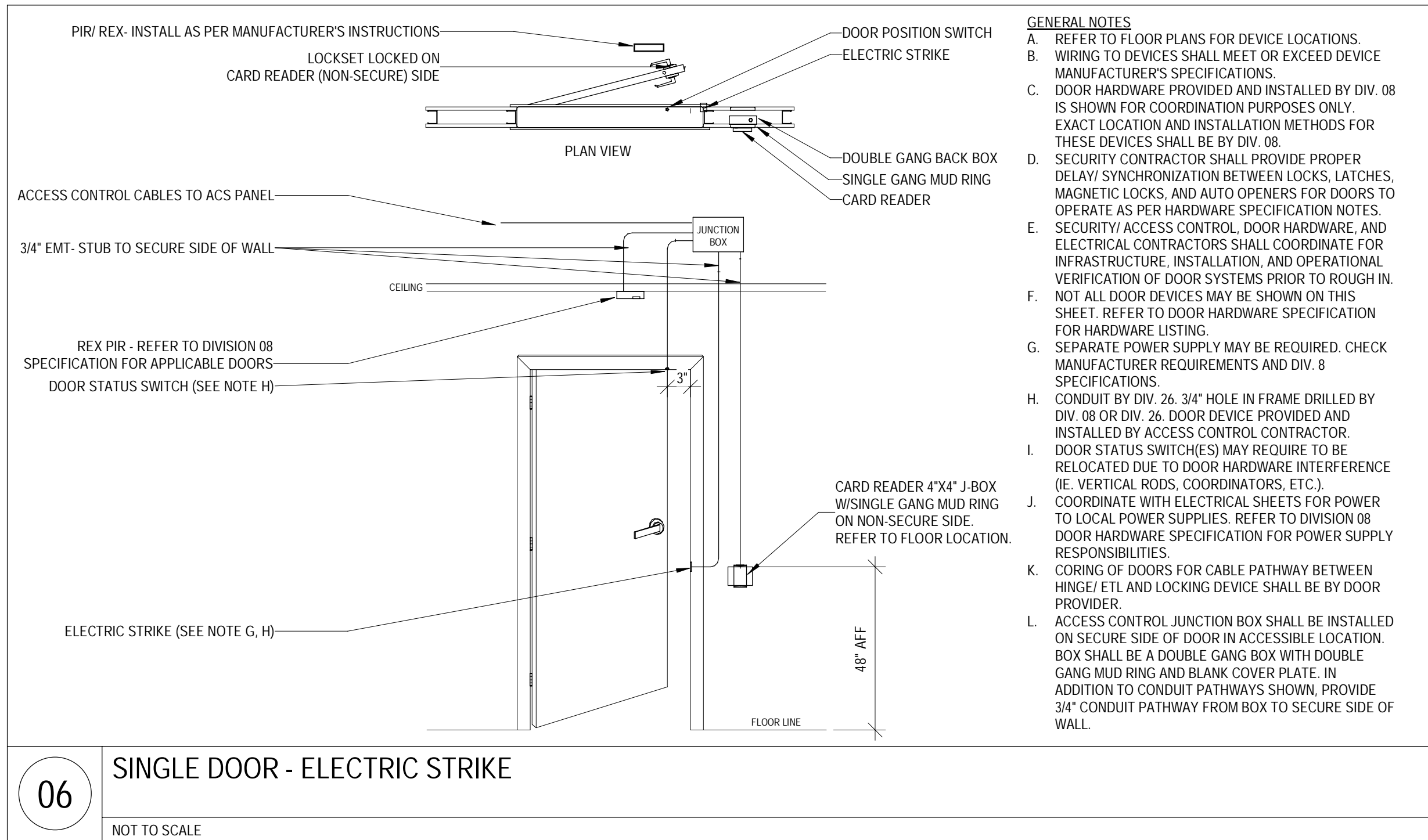
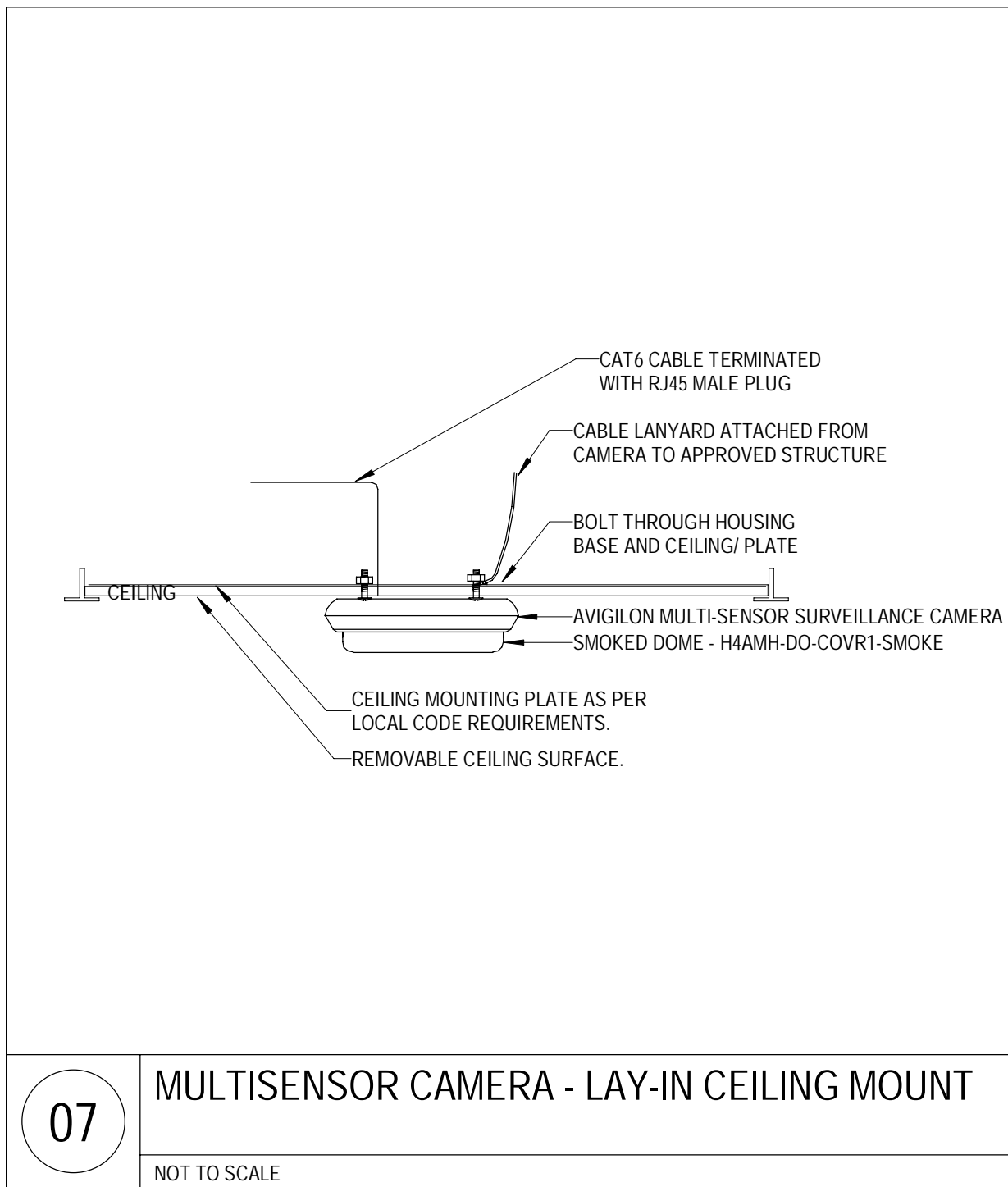
AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 05/23/2025
SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 1 -
SECTOR B - LAB, PHARMACY
& EVS - SECURITY

T04-01



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REV #	DESCRIPTION	DATE

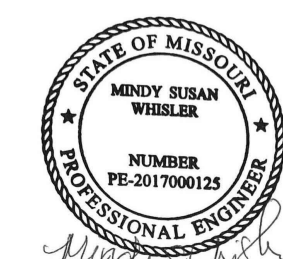
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REVIEWED: WSP
JOB NUMBER: 6406.24

DETAILS - TECHNOLOGY

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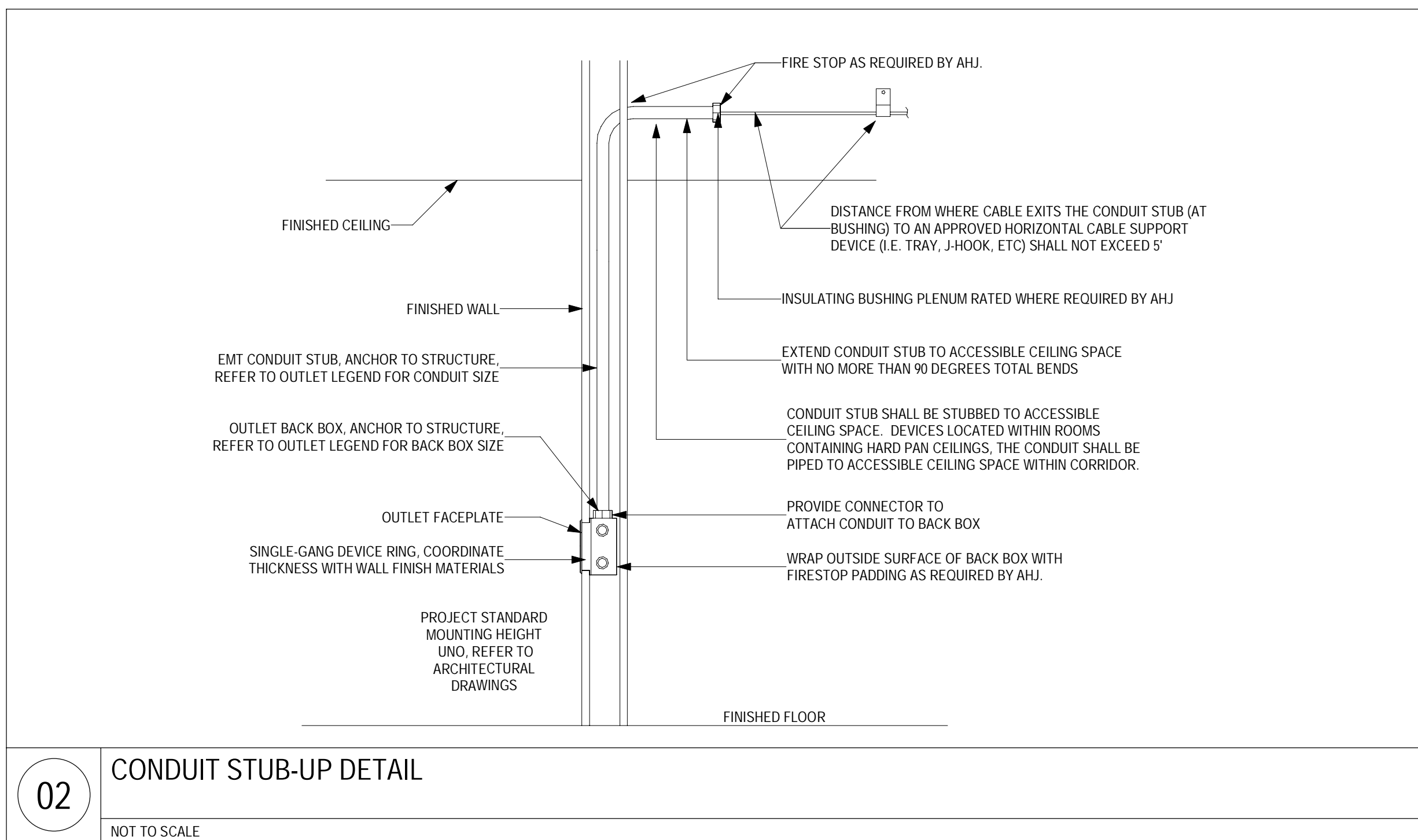
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DETAILS - TECHNOLOGY

T07-03



02 CONDUIT STUB-UP DETAIL

NOT TO SCALE

CABLE SUPPORT HANGER J-HOOK SHALL BE CADDY MODEL #CAT-64.

CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE. SECURE TO STUDS AT 4'-0" CENTERS, WITH MOUNTING HARDWARE AS REQUIRED BY MANUFACTURER. PROVIDE BLOCKING BETWEEN STUDS AS REQUIRED TO MAINTAIN SPACING.

FINISHED CEILING
SEE ARCHITECTURAL REFLECTED CEILING PLAN.

FINISHED WALL

48" - 60"

CADDY CAT 64 J-HOOK

CABLE BUNDLE

CADDY CAT 64 J-HOOK

CABLE BUNDLE

CADDY CAT 64 J-HOOK

CABLE BUNDLE

CADDY CAT 64 J-HOOK

CABLE BUNDLE

PLENUM TIE (TYPICAL)

WALL

TYPICAL ANCHOR TO WALL

TYPICAL LOW VOLTAGE CABLE SUPPORT MAX. 4'-0" O.C. 50 CABLES MAXIMUM PER J-HOOK.

J-HOOK TREADED, CADDY FASTENER SERIES 4BR OR APPROVED EQUAL

WALL MOUNTED J-HOOK SYSTEM

STRUCTURAL CEILING

THREADED ROD ANCHOR 1/2" MIN. THREADED ROD

THREADED ROD ADAPTOR CLAMP

WIDE BASE GALVANIZED MULTI (2) J-HOOKS, CADDY FASTENER SERIES CAT21 OR APPROVED EQUAL (TYPICAL)

PLENUM TIE (TYPICAL)

TYPICAL LOW VOLTAGE CABLE

CEILING MOUNTED THREADED ROD J-HOOK SYSTEM

CONCRETE DECK STRUCTURE

THREADED ROD ANCHOR ATTACHED TO BUILDING STRUCTURE

1/4" THREADED ROD

1/4" THREADED ROD

1/4" THREADED ROD

CADDY JBH11 SCREWS

CADDY JH163 NUTS

CADDY CAT 64 J-HOOK

J-HOOK W/ SUPPORT WIRE CLIP

J-HOOK W/ SUPPORT WIRE CLIP

J-HOOK WALL MOUNTED

WALL

CONDUIT PATHWAY

THREADED ROD PROTECTIVE END CAP

CEILING T-BAR SUPPORT

LEAVE LOOP LOOSE INDEPENDENT DROP WIRE SUPPORT CLIP (YELLOW)

FINISHED CEILING

CABLE

CABLE SUPPORT DETAIL NOTES:

A. ALL DEVICE ACCESSORY HARDWARE SHALL BE AS PROVIDED OR AS SPECIFIED BY MANUFACTURER.

B. ALL MOUNTING HARDWARE SHALL MEET OR EXCEED MANUFACTURER SPECIFICATIONS AND FEDERAL, STATE, AND LOCAL AHJ REQUIREMENTS.

C. MAXIMUM DISTANCE BETWEEN CABLE SUPPORTS FOR SHALL NOT EXCEED 40".

D. SEAL ALL PENETRATIONS THROUGH RATED WALLS WITH APPROVED SEALANT PER DIVISION OF SPECIFICATIONS.

E. DIMENSIONS SHOWN ARE FOR COORDINATION PURPOSES ONLY. EXACT LOCATION OF ALL DEVICES SHALL BE VERIFIED IN THE FIELD.

F. SIZE J-HOOKS SO AS NOT TO EXCEED MANUFACTURER FILL LIMITS BASED ON PRESENT NEEDS.

G. CABLE TO BE SECURED TO J-HOOKS UTILIZING ANSII/A AND/OR BICSI STANDARDS IN ORDER TO REDUCE PINCH POINTS AND OTHER DETRIMENTAL EFFECTS ON CABLE.

H. WHERE ROUTE CROSSES CORRIDORS, PROVIDE J-HOOKS MOUNTED ON THREADED ROD.

I. WITHIN FIFTY FEET OF ANY TELECOMMUNICATIONS ROOM, SPACING FOR THESE J-HOOKS SHALL BE REDUCED TO 1'-4" CENTERS.

SUPPORT	SHORT DESCRIPTION
J-1	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK STYLE SUPPORT EITHER WALL MOUNTED OR SUPPORTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED BASED ON PRESENT NEED PLUS 30% FUTURE CAPACITY. CAN SUPPORT MULTIPLE SYSTEMS AS OUTLINED.
J-2	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK STYLE SUPPORT EITHER WALL OR CEILING MOUNTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED FOR PRESENT NEEDS PLUS 30% FUTURE CAPACITY. SHOULD BE DEDICATED TO ONE SYSTEM.
J-3	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK STYLE SUPPORT EITHER WALL OR CEILING MOUNTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED FOR PRESENT NEEDS WITH NO FUTURE CAPACITY. SHOULD BE DEDICATED TO ONE SYSTEM.
J-4	MAIN CABLE PATHWAY DOWN CORRIDORS. J-HOOK STYLE SUPPORT EITHER WALL OR CEILING MOUNTED FROM OVERHEAD STRUCTURE. SHOULD BE SIZED FOR PRESENT NEEDS PLUS 30% FUTURE CAPACITY. CAN SUPPORT MULTIPLE SYSTEMS AS OUTLINED.
J-5	J-HOOK STYLE SUPPORTS USED TO ROUTE CABLING FROM MAIN CABLE PATHWAY WITHIN CORRIDORS TO OUTLET LOCATION WITHIN ROOMS. SUPPORT MAY SUPPORT ALL LOW VOLTAGE CABLING, UNLESS REQUIRED OTHERWISE, THAT IS BEING ROUTED INTO THE SAME ROOMS.

CEILING ZONE DESCRIPTION	CEILING ZONE #
EASILY ACCESSIBLE FOR FREQUENT MOVES, ADDS, AND CHANGES. MAJORITY OF PATHWAY IS UNDER MOST ALL OTHER SYSTEMS.	1
NOT AS EASILY ACCESSIBLE AS ZONE #1 BUT STILL ACCESSIBLE FOR MOVES, ADDS, AND CHANGES. PATHWAY MAY BE ROUTED ABOVE SOME SYSTEMS BUT STILL ACCESSIBLE USING NORMAL MEANS. ZONE 2 WOULD BE CONSIDERED ABOVE ZONE #1.	2
NOT EASILY ACCESSIBLE. SYSTEMS THAT ARE NOT REGULARLY ACCESSED OR MODIFIED. MAJORITY OF PATHWAY CAN BE LOCATED ABOVE ALL SYSTEMS.	3

SYSTEM	CABLE COLOR	SUPPORT TYPE	CEILING ZONE	NOTES	S = SHARED NS = NOT SHARED
VOICE	BLACK	J-1 & J-5	1	CAT 6 FOR TELEPHONE, FAX, ANALOG, VOIP	S
DATA	BLACK	J-1 & J-5	1	CAT 6 FOR IT/AS NETWORK NEEDS: PC, PRINTERS, SCANNERS, TIME CLOCKS, PACS.	
CCTV (SECURITY & CLINICAL)	BLACK	J-1 & J-5	1	CAT 6 FOR CCTV CAMERAS.	
WAP	YELLOW	J-1 & J-5	1	CAT 6A FOR WIRELESS ACCESS POINTS (WAPS). WI-FI	NS
PHYSIOLOGICAL MONITORING (HARDWIRED)	ORANGE	J-2 & J-5	1	CAT 5E FOR HARD WIRED PHYSIOLOGICAL MONITORING (PM), CENTRAL STATIONS, REMOTE VIEW MONITORS, FETAL MONITORS	
TELEMETRY COAX (WIRELESS)	WHITE	J-3	2	RG6/RG11/HARDLINE COAX CABLE FOR WIRELESS TELEMETRY DEVICES MOUNTED TO UNDERSIDE OF CEILING.	
CATV COAX	BLACK	J-4 & J-5	2	RG6/RG11 COAX CABLE FOR TV SYSTEM	S
CATV DATA	BLUE	J-4 & J-5	2	CAT 5E FOR TV SYSTEM	
NURSE CALL	GREEN	J-2 & J-5	2	CAT 5E AND MIX OF LOW VOLTAGE CONTROL CABLING FOR NURSE CALL SYSTEM	NS
RFID/RTLS	PURPLE	J-3	2	CAT 5E, CAT 6 AND/OR LOW VOLTAGE CONTROL CABLING FOR EQUIPMENT/STAFF LOCATING/TRACKING SYSTEM	NS
INFANT ABDUCTION	WHITE	J-3	2	CAT 5E, CAT 6 AND/OR LOW VOLTAGE CONTROL CABLING FOR INFANT ABDUCTION SYSTEM	NS
WONDERING SYSTEM	WHITE	J-3	2	CAT 5E, CAT 6 AND/OR LOW VOLTAGE CONTROL CABLING FOR WONDERING PATIENT TRACKING SYSTEM	
OVERHEAD PAGING	GREY	J-3	3	LOW VOLTAGE AUDIO CABLE FOR SPEAKERS, AMPS, MICROPHONES, ETC.	NS
DISTRIBUTED ANTENNA SYSTEM (DAS)	WHITE	J-3	3	COAX CABLE FOR DISTRIBUTED ANTENNA SYSTEM (DAS), CELL BOOSTING AND/OR EMERGENCY RESPONDER RADIO	NS
EMS RADIO	WHITE/BLACK	J-3	3	COAX CABLE FOR COMMUNICATION BETWEEN EMS AND ED STAFF	NS
BAS	WHITE/ GREY	J-3	3	LOW VOLTAGE CONTROL WIRING FOR BUILDING AUTOMATION CONTROLS	
INTERCOM	GRAY	J-4	2	LOW VOLTAGE CONTROL CABLING FOR INTERCOM DEVICES SUCH AS AIPHONES	S
ELECTRONIC ACCESS CONTROL	WHITE	J-4	2	LOW VOLTAGE CONTROL CABLE FOR ELECTRONIC ACCESS CONTROL SYSTEM, CARD READERS, MAG LOCKS, ETC.	
DATA FIBER BACKBONE	YELLOW	J-1	3	FIBER OPTIC CABLE USED FOR NETWORK BACKBONE INFRASTRUCTURE	
DATA COPPER BACKBONE	YELLOW	J-1	3	MULTI-PAIR COPPER CABLE USED FOR ANALOG/DIGITAL TELEPHONY BACKBONE INFRASTRUCTURE	S

01

NOT TO SCALE

J-HOOK MOUNTING DETAILS

Autodesk Docs / 164624 - HCA - Lee's Summit Medical Center (LSMC) - JY23/MED - LSNC Lab & Pharmacy Renovation - T23.rvt 5/22/2025 2:55:50 PM


TECHNOLOGY SYSTEMS EQUIPMENT AND STRUCTURED CABLING COORDINATION SCHEDULE															
SYSTEM	EQUIPMENT			CABLING					ROUGH IN					GROUNDING	
	EQUIPMENT FURNISHED BY	EQUIPMENT INSTALLED BY	TEST/CERTIFIED BY	CABLE FURNISHED BY	CABLE INSTALLED BY	CABLE TERMINATIONS BY	LABELLED BY	TEST/CERTIFIED BY	CONDUIT SLEEVES BY (NOTE 3)	CONDUIT PATHWAYS BY (NOTE 4)	PRE-MANUFACTURED FIRE SLEEVE BY (NOTE 5)	BACK BOXES PROVIDED BY	BACK BOXES INSTALLED BY (NOTE 6)		FLOOR/WALL CORES/SLEEVE S BY (NOTE 7)
IT&S SYSTEMS - VOICE/DATA															
IT&S VOICE EQUIPMENT (WORKSTATION) (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
IT&S DATA EQUIPMENT (WORKSTATION) (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
WIRELESS ACCESS POINT (WAP)	OWNER	DIV 27	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
IT&S DATA EQUIPMENT (TECTOR)	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IT&S VOICE EQUIPMENT (TECTOR)	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WORKSTATION EQUIPMENT PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MEDICAL EQUIPMENT NETWORK CONNECTED DEVICES (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TIME CLOCK (EMPLOYEE)	OWNER	GC	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
NURSE CALL CODE BLUE															
STATION DEVICES	NC	NC	NC	DIV 27	DIV 27	NC	NC	NC	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
HEADEND CABINET (IF APPLICABLE)	NC	NC	NC	DIV 27	DIV 27	NC	NC	NC	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
NETWORK SWITCHES (IF APPLICABLE)	NC	NC	NC	DIV 27	DIV 27	NC	NC	NC	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
CALL CORD/PULLDOWN SPEAKERS	NC	NC	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CATV SYSTEMS															
COAXIAL CABLE	N/A	N/A	N/A	DIV 27	DIV 27	TV	TV/DIV 27	TV	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	TV
DATA CABLE	N/A	N/A	N/A	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
CROSS ROOM NURSE CALL CONTROL	TV	TV	TV	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	N/A	DIV 26	DIV 26	N/A	N/A
TV OUTLET COVER PLATE	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELEVISIONS (PATIENT, WAITING, STAFF LOUNGE, ETC.)	TV	TV	TV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELEVISION WALL MOUNTING BRACKET	TV	GC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CATV EQUIPMENT (SPLITTERS/COMBINERS/AMPLIFIERS)	TV	TV	TV	N/A	N/A	N/A	TV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	TV
CROSS CONNECTS/PATCH CORD	TV	TV	TV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SECURITY SYSTEMS															
NVR/DVR	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
SURVEILLANCE CAMERAS/MOUNTS/LICENSES	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
NETWORK SWITCHES	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ELECTRONIC ACCESS CONTROL SYSTEM	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	DIV 26	N/A
DOOR HARDWARE	DIV 08	DIV 08	DIV 08	DIV 08	DIV 08	DIV 08	DIV 08	N/A	N/A	DIV 26	N/A	DIV 26	DIV 26	N/A	N/A
WIRELESS PANIC BUTTON (IF APPLICABLE)	PB	PB	PB	N/A	N/A	N/A	PB	PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WIRED PANIC BUTTON (IF APPLICABLE)	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	N/A	N/A
INFANT PROTECTION	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
INTRUSION DETECTION	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	N/A	N/A
EMERGENCY (BLUE) PHONE	GC	GC	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26	DIV 27	DIV 26	DIV 26	N/A	DIV 26
INTERCOM	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	DIV 26	N/A
OVERHEAD PAGING SYSTEM															
SPEAKERS/HORNS	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
AMPLIFIERS	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
VOLUME CONTROL	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TELEPHONE ACCESS EQUIPMENT	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
ZONE DISTRIBUTION EQUIPMENT (IF APPLICABLE)	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
PATIENT MONITORING SYSTEM															
PHYSIOLOGICAL MONITORING (PM)	PM	PM	PM	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
FETAL MONITORING (FM)	PM	PM	PM	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TELEMETRY	PM	PM	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
NETWORK SWITCHES	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELECOMMUNICATIONS ROOMS (TECTOR)															
OPEN FRAME EQUIPMENT RACKS (POST/POST)	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
ENCLOSED EQUIPMENT CABINETS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
BASKET TRAY & SUPPORT HARDWARE	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
FIRE RATED PLYWOOD BACKBOARDS	DIV 26	DIV 26	DIV 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CABLE MANAGEMENT (VERTICAL/HORIZONTAL)	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
UNINTERRUPTIBLE POWER SUPPLY (UPS)	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NETWORK SWITCHES, SERVERS, & ADDITIONAL NETWORK GEAR EQUIP.	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
TELEPHONE SYSTEM EQUIPMENT	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
CROSS CONNECTS/PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GROUNDING/BONDING															
TELECOMMUNICATIONS BONDING BACKBONE (TBB)	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	N/A	N/A	DIV 26	DIV 26
TELECOMMUNICATIONS GROUNDING BUSS BAR (TGB)	DIV 26	DIV 26	DIV 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MISC. SYSTEMS															
SYNCHRONIZED CLOCK SYSTEMS	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	N/A	N/A	N/A	DIV 26	DIV 26	N/A	N/A
REAL TIME LOCATING SYSTEM (RTLS)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
DISTRIBUTED ANTENNA SYSTEMS (DAS)	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER
EMERGENCY RESPONDER RADIO COMMUNICATIONS (ERRCS)	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER
TEMPERATURE MONITORING SYSTEM	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
EMS RADIO	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
NOTES: 1. ALL SYSTEMS SHOWN MAY NOT BE PRESENT IN PROJECT. REFER TO FLOOR PLANS FOR SYSTEMS INCLUDED IN PROJECT. 2. INCLUDES CONDUIT SLEEVES, NOT TO EXCEED 18 INCHES IN LENGTH, THROUGH GYPSUM PARTITIONS. SLEEVES EXCEEDING 18" IN LENGTH SHALL BE PROVIDED BY DIV 26 CONTRACTOR. 3. INCLUDES CONDUIT PATHWAY EXCEEDING 18 INCHES IN LENGTH. INCLUDES ALL NECESSARY CONNECTIONS, PULL BOXES, AND PLASTIC BUSHINGS. 4. INCLUDES PRE-MANUFACTURED FIRE SLEEVE SYSTEMS. 5. INCLUDES REQUIRED CONDUIT STUB UP TO ABOVE ACCESSIBLE CEILING SPACE. 6. INCLUDES SLEEVES THROUGH CONCRETE/MASONRY WALLS REQUIRING CORING OR LEAVE-OUTS. 7. CROSS ROOM SOUND CABLE TERMINATED BY NURSE CALL VENDOR AT PATIENT STATION. DIV 27 CONTRACTOR SHALL TERMINATE CROSS ROOM SOUND CABLE AT TV OUTLET AND PROVIDE FACEPLATE. 8. LIGHTING CONTROL CABLE TERMINATED BY NURSE CALL VENDOR AT PATIENT STATION. NURSE CALL VENDOR SHALL PROVIDE DIV 26 CONTRACTOR LIGHTING CONTROL RELAY. DIV 26 CONTRACTOR SHALL CONNECT RELAY WITH LIGHT. 9. VOICE/DATA WORKSTATION & MEDICAL EQUIPMENT DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: A. PCS D. COPIERS G. WIRELESS ACCESS POINTS J. SCANNERS M. ULTRA SOUND MACHINE B. PRINTERS (NETWORK, LASER, MULTIFUNCTION, LAB, SCRIPT, ETC.) E. TRACKER MONITORS H. TELEPHONE SETS K. LAB EQUIPMENT (STERILIZERS, ETC.) N. ADDITIONAL MEDICAL EQUIPMENT C. FAX MACHINES F. TIME CLOCK (EMPLOYEE) I. MED DISPENSERS L. POINT OF USE (POU) SCANNER															
ABBREVIATIONS: • DIV 08 - DOOR HARDWARE CONTRACTOR • DIV 26 - ELECTRICAL CONTRACTOR • DIV 27 - COMMUNICATIONS CABLING CONTRACTOR • DIV 28 - ELECTRONIC ACCESS CONTROL/SECURITY CONTRACTOR • OWNER - OWNER OR OWNER'S VENDOR • NC - NURSE CALL VENDOR • PB - CENTURION PANIC BUTTON VENDOR • ME - MEDICAL EQUIPMENT PLANNER • TV - TELEVISION VENDOR • SP - SERVICE PROVIDER • GC - GENERAL CONTRACTOR • PM - PHYSIOLOGICAL MONITORING VENDOR • N/A - NOT APPLICABLE • TEC - TELECOMMUNICATIONS EQUIPMENT ROOM / IDF • TOR - TELECOMMUNICATIONS DISTRIBUTION ROOM / IDF															

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251
T: 602.943.8950
www.devenneygroup.com

Consultant:



STATE OF MISSOURI
PROFESSIONAL SEAL
ARCHITECT
No. 00170000
05/23/2025
WSP USA Buildings Inc. 2013001881

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LAB & PHARMACY RENOVATION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS

REV #	DESCRIPTION	DATE
-------	-------------	------

DATE: 05/23/2025
SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: 6406.24

SCHEDULES - TECHNOLOGY

T08-01

5/20/2025 2:56:52 PM Autodesk Docs / 6406.24 - HCA - Lee's Summit Medical Center (LSMC)_r123/MEP_LSMC Lab & Pharmacy Renovation.rvt 123.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

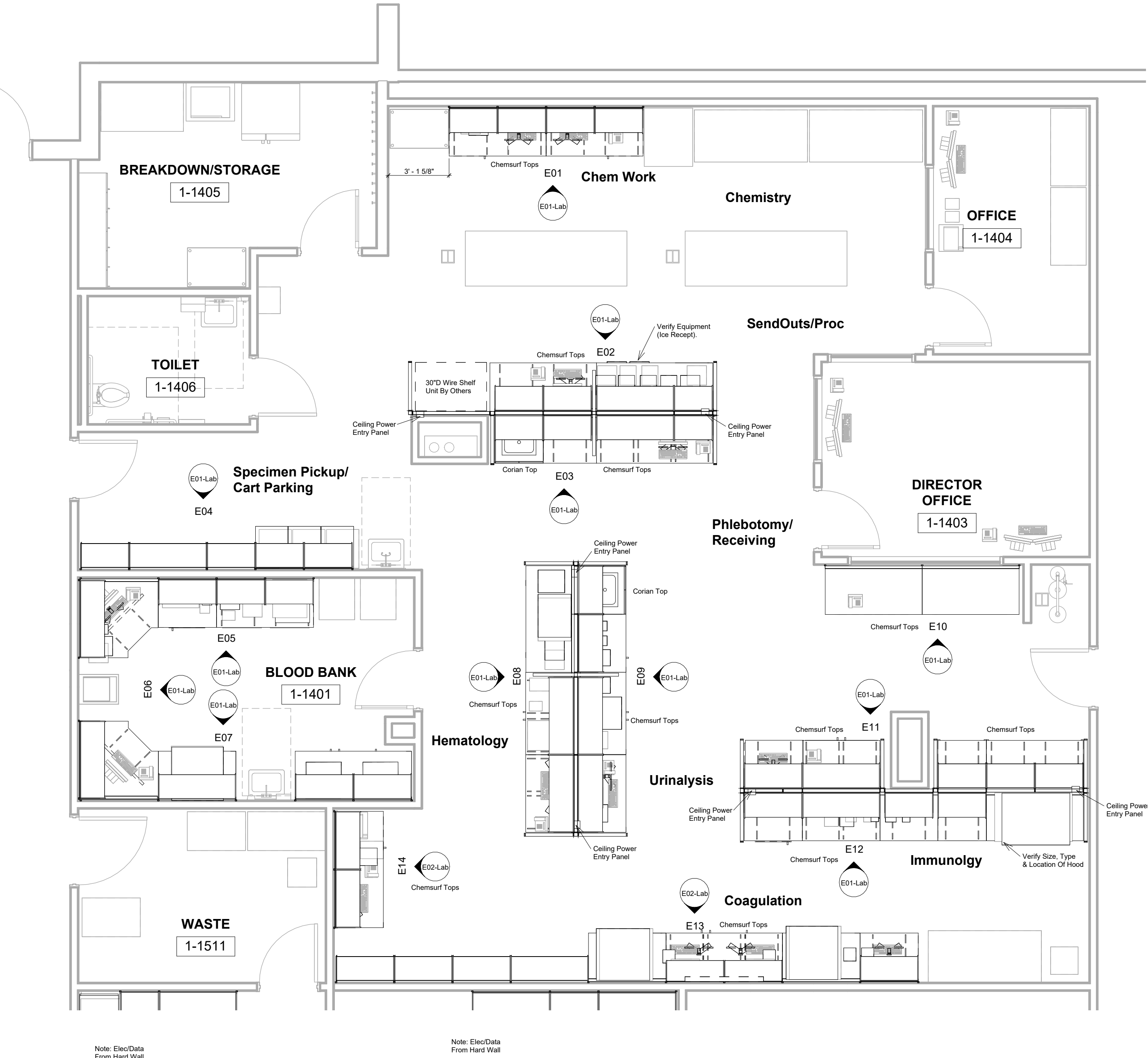


HermanMiller Nemschoff
Healthcare
10201 Adams Street
Holland, MI 49424-9168
(800) 338 - 5542

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Lee Summit

Lab



P01 Lab
1/4" = 1'-0"

Description	Date
1- Rev NDF	03/19/2025
2- Rev GDC	04/01/2025
3- Added Gang Covers - TLB	05/01/2025
4- Rev NDF	05/20/2025

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

Project number
HC2024075

Date
03/17/2025

Drawn by

Author

Checked by

Checker

P01-Lab

HM.P01.Lab



HermanMiller Nemschoff
Healthcare
10201 Adams Street
Holland, MI 49424-9168
(800) 338 - 5542

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Lee Summit
Lab Upility Plan

Description	Date
1- Rev NDF	03/19/2025
2- Rev GDC	04/01/2025
3- Added Gang Covers - TLB	05/01/2025
4- Rev NDF	05/20/2025

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

Project number
HC2024075

Date
03/17/2025

Drawn by

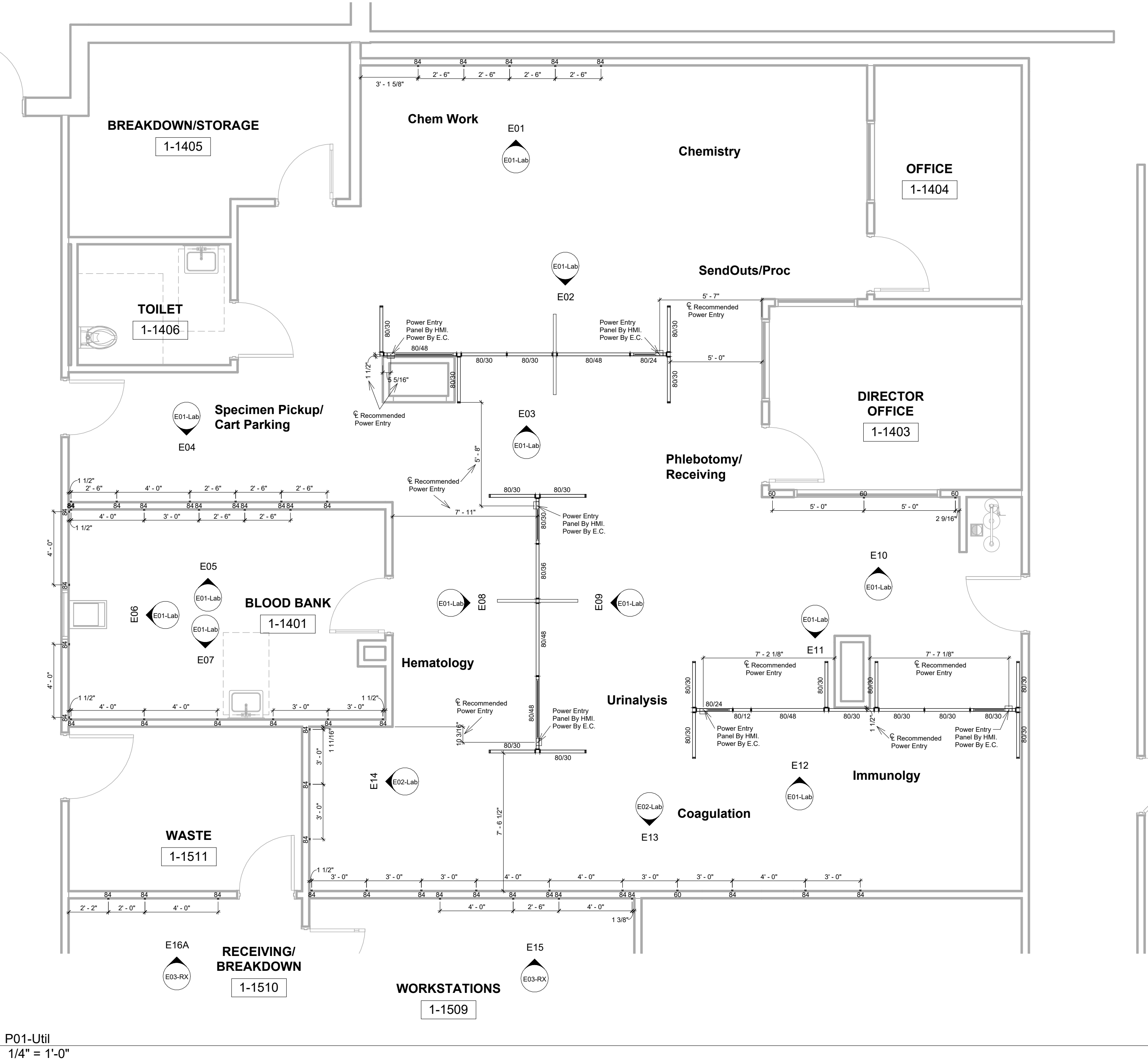
Author

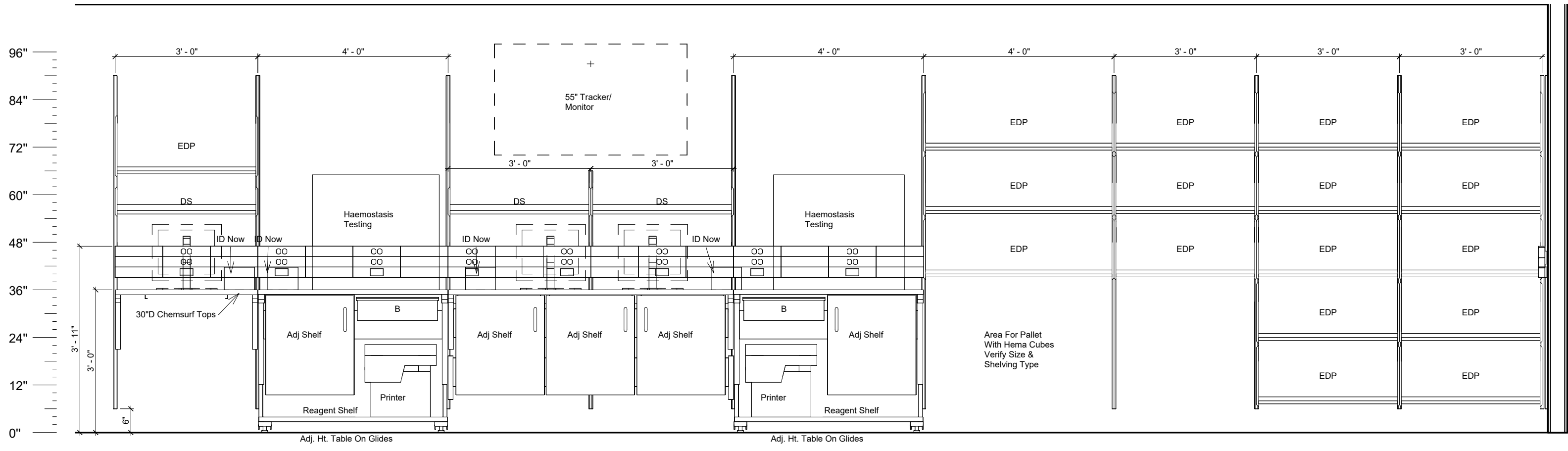
Checked by

Checker

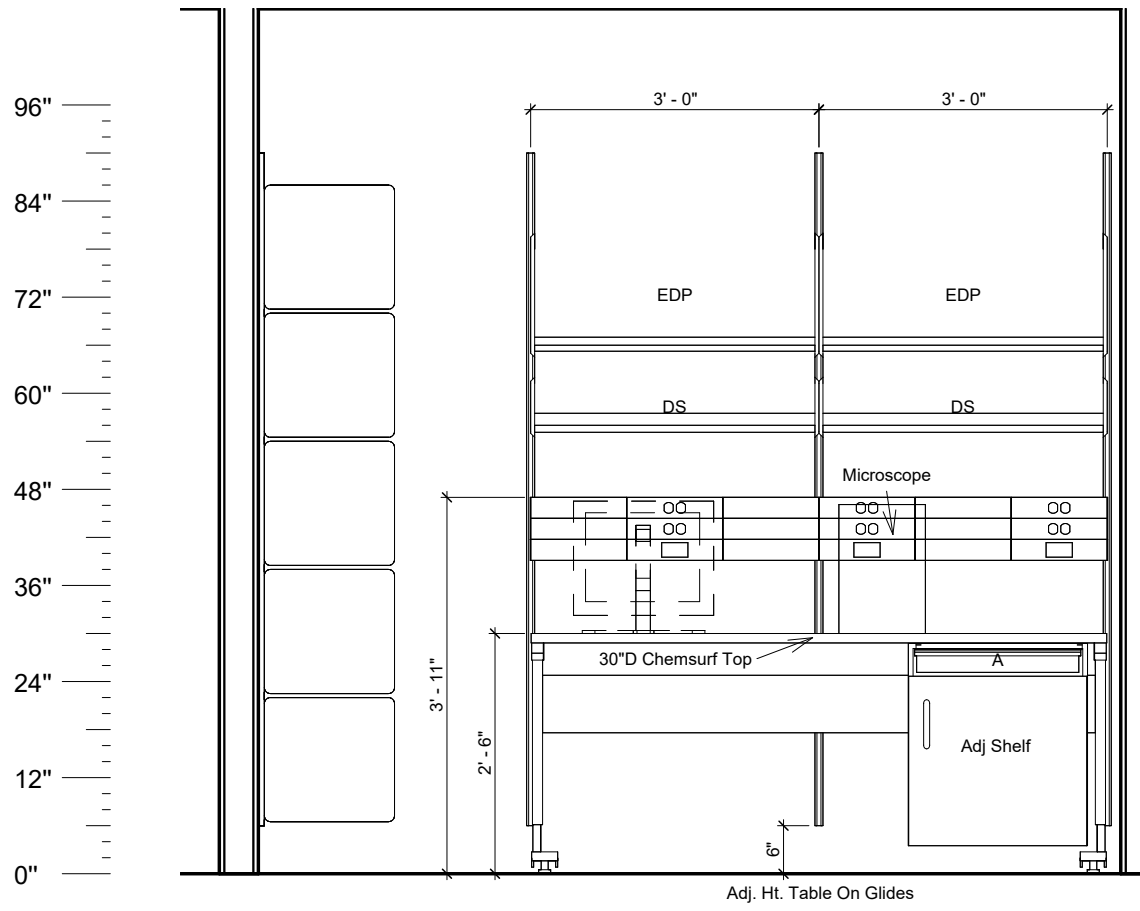
P01-Util

HM.P01-Util





E13
1/2" = 1'-0"



E14
1/2" = 1'-0"



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Healthcare
10201 Adams Street
Holland, MI 49424-9168
(800) 338 - 5542

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Lee Summit
Lab Elevation Sheet #2

Description	Date
1- Rev NDF	03/19/2025
2- Rev GDC	04/01/2025
3- Added Gang Covers - TLB	05/01/2025
4- Rev NDF	05/20/2025

Scale:
1/2" = 1'-0"
Project number
HC2024075
Date
03/17/2025
Drawn by
Author
Checked by
Checker

E02-Lab
E02-Lab



HermanMiller Nemschoff
Healthcare

10201 Adams Street
Holland, MI 49424-9168
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Lee Summit

Pharmacy

Description	Date
1- Rev NDF	03/19/2025
2- Rev GDC	04/01/2025
3- Added Gang Covers - TLB	05/01/2025
4- Rev NDF	05/20/2025

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

Project number
HC2024075

Date
03/17/2025

Drawn by

Author

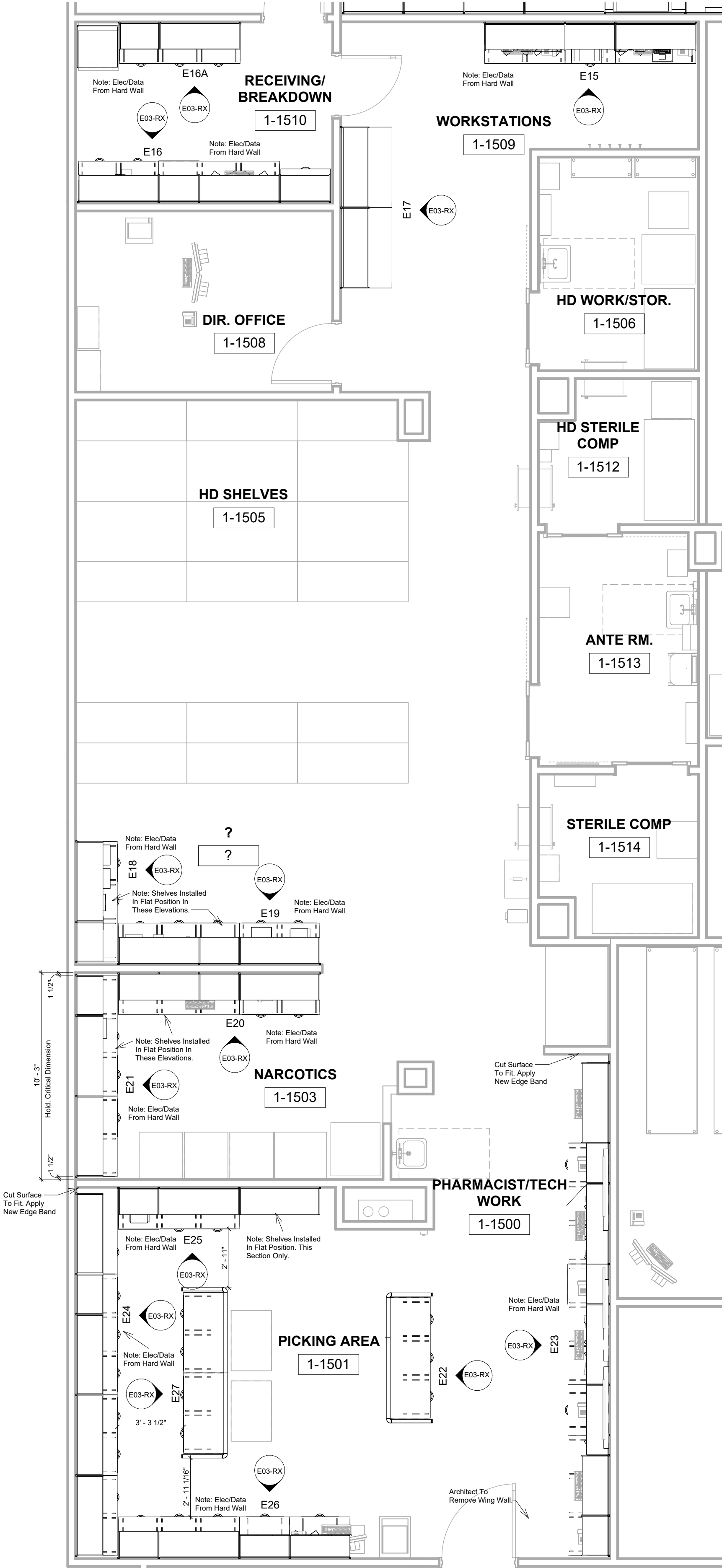
Checked by

Checker

P02-RX

HM.P02.RX

P02-RX
1/4" = 1'-0"





HermanMiller Nemschoff
Healthcare
10201 Adams Street
Holland, MI 49424-9168
(800) 338 - 5542

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Lee Summit
Pharmacy Utility Plan

Description	Date
1- Rev NDF	03/19/2025
2- Rev GDC	04/01/2025
3- Added Gang Covers - TLB	05/01/2025
4- Rev NDF	05/20/2025

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

Project number
HC2024075

Date
03/17/2025

Drawn by

Author

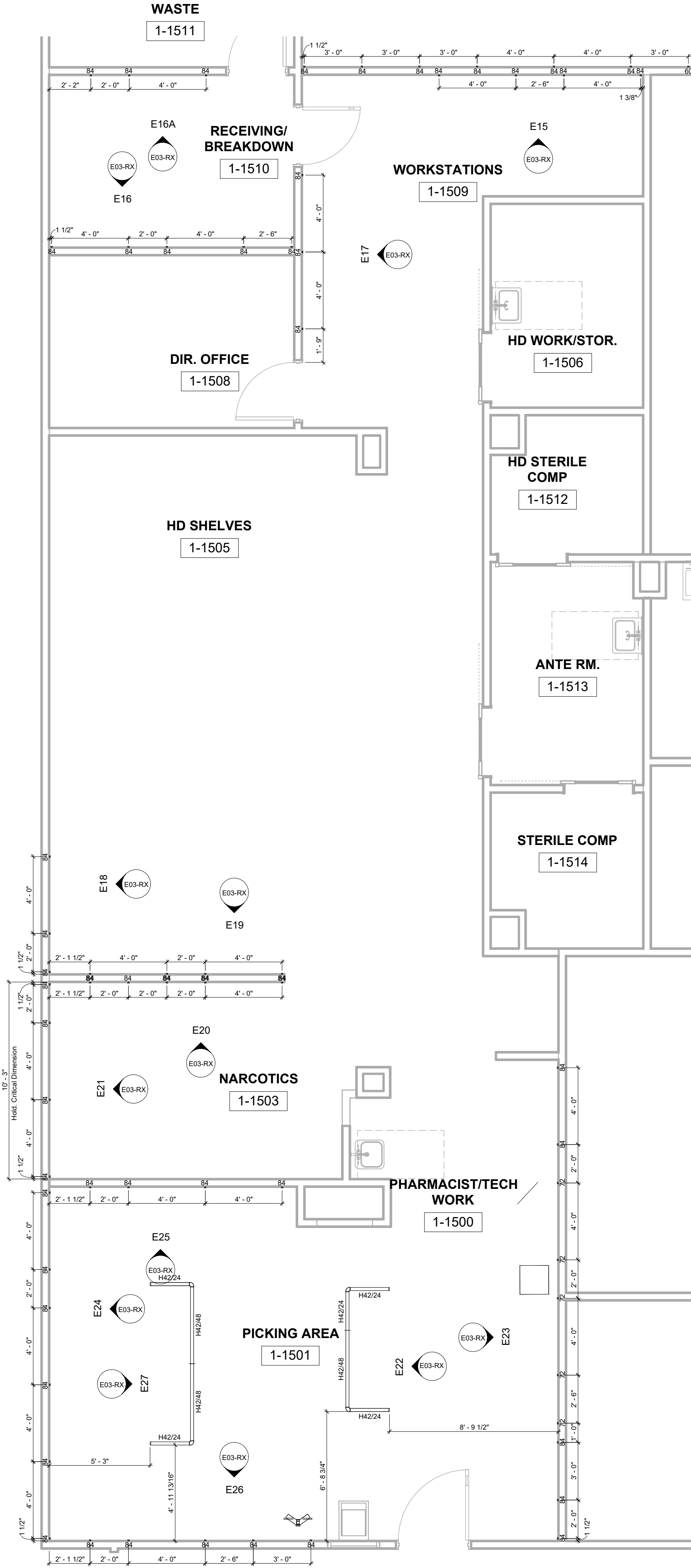
Checked by

Checker

P02-Util

HM.P02-Util

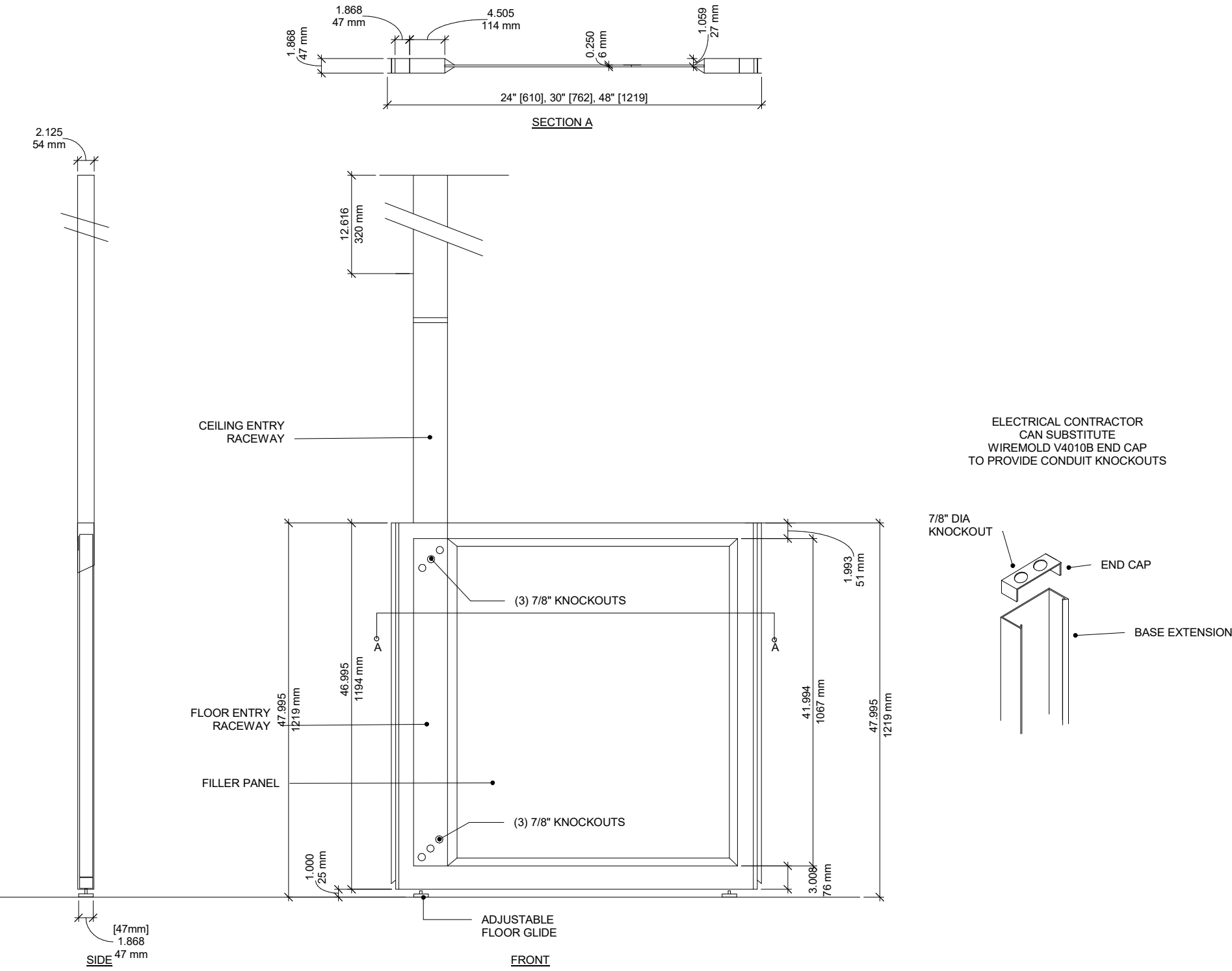
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1/4" = 1'-0"



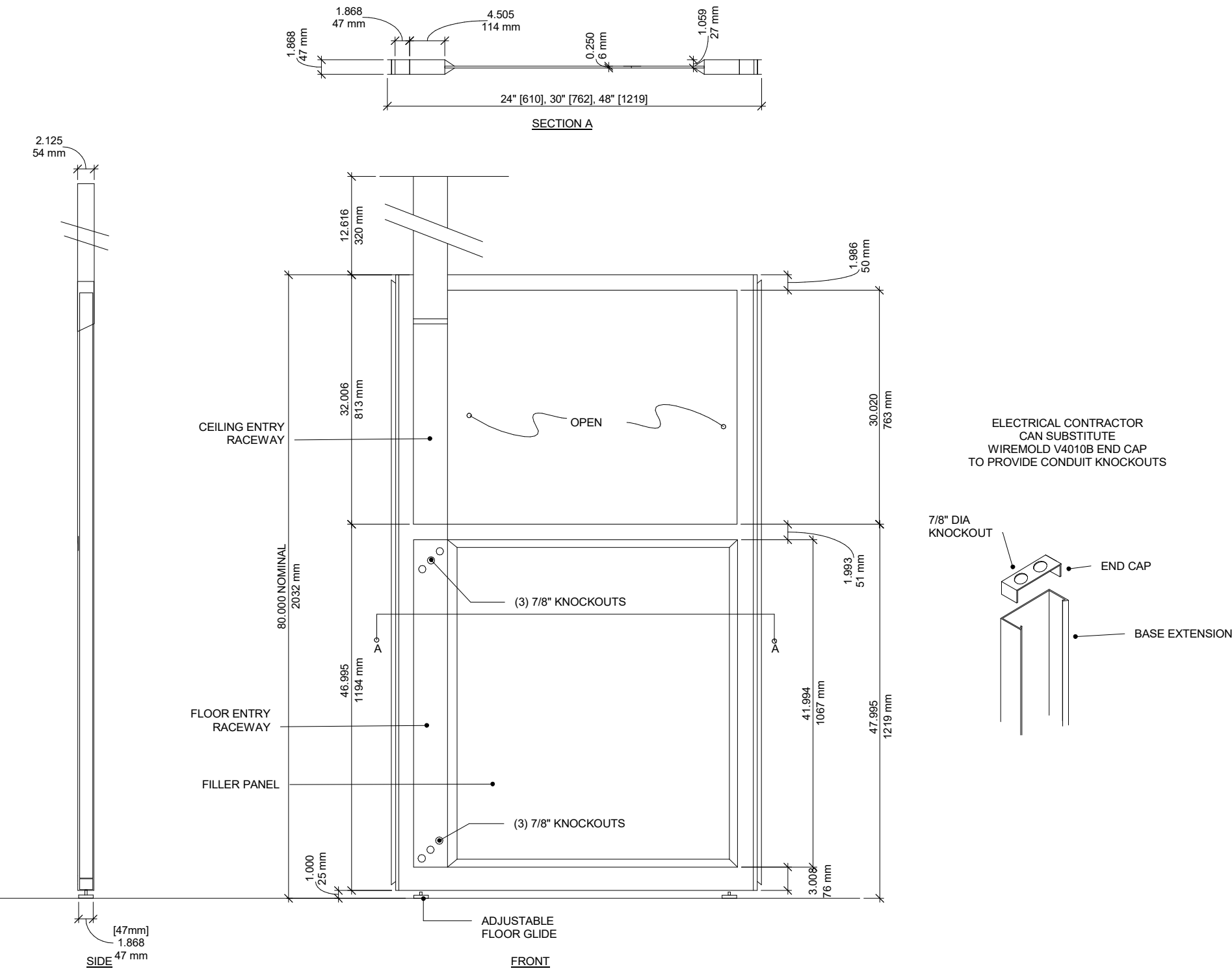
NOTE: NOT ALL DETAILS MAY APPLY TO THIS PROJECT

NOTE:
Electrical will either be run through Wire Chase Rail (WCR) or through the module.

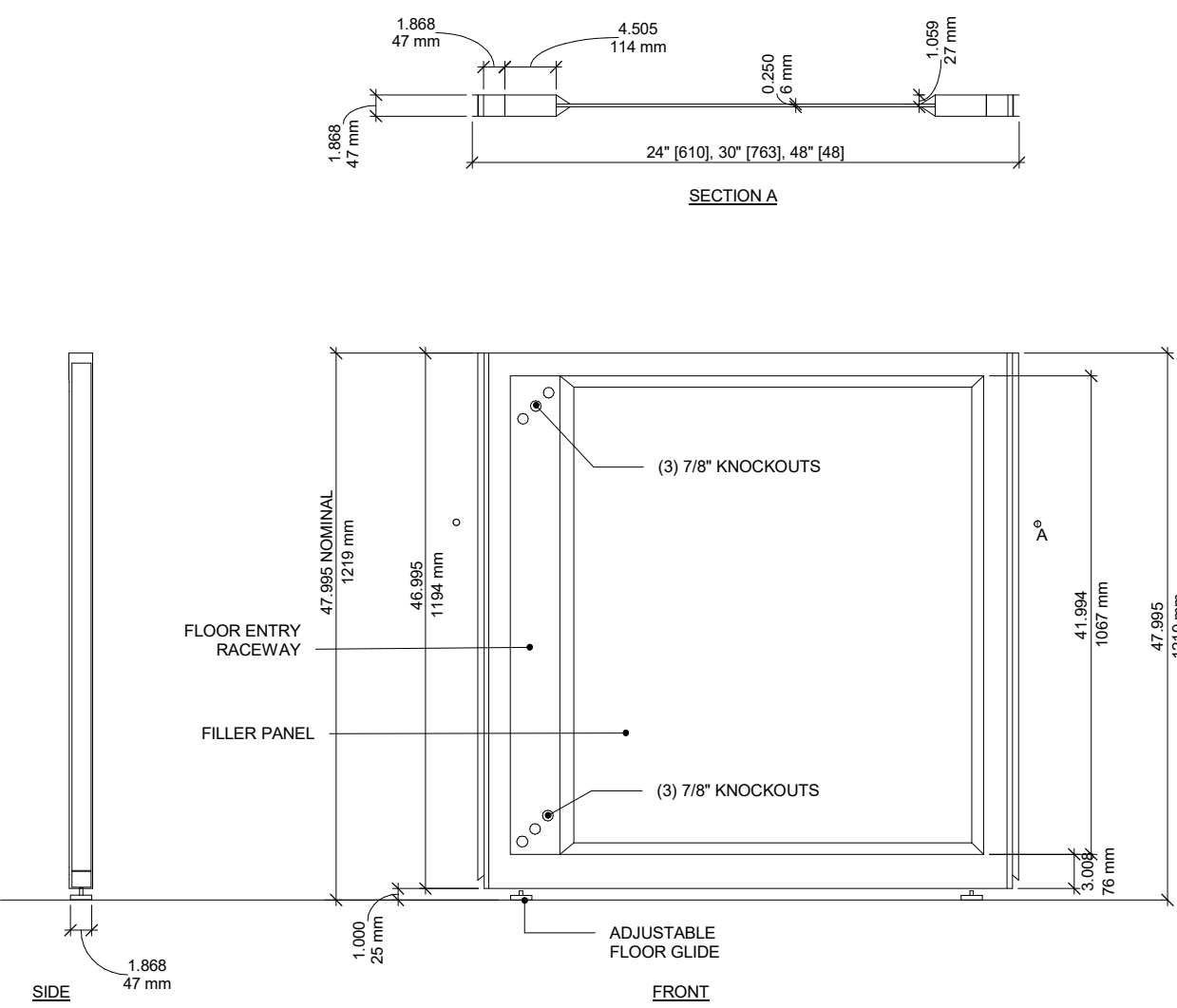
See individual elevations for whether or not Wire Chase Rail (WCR) is being used.



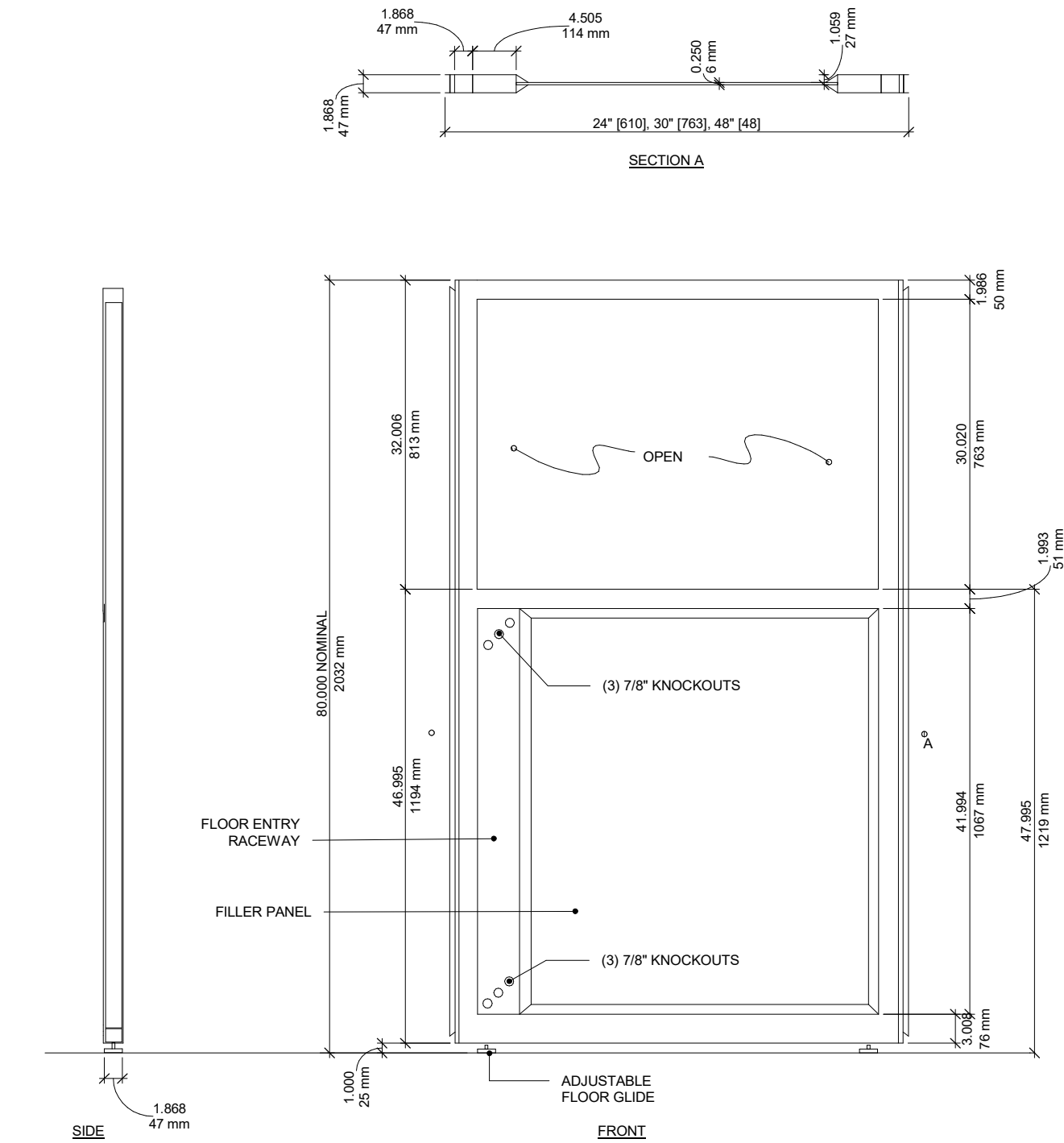
1. SUPPORT PANEL 48H CEILING ENTRY
3/4" = 1'-0"



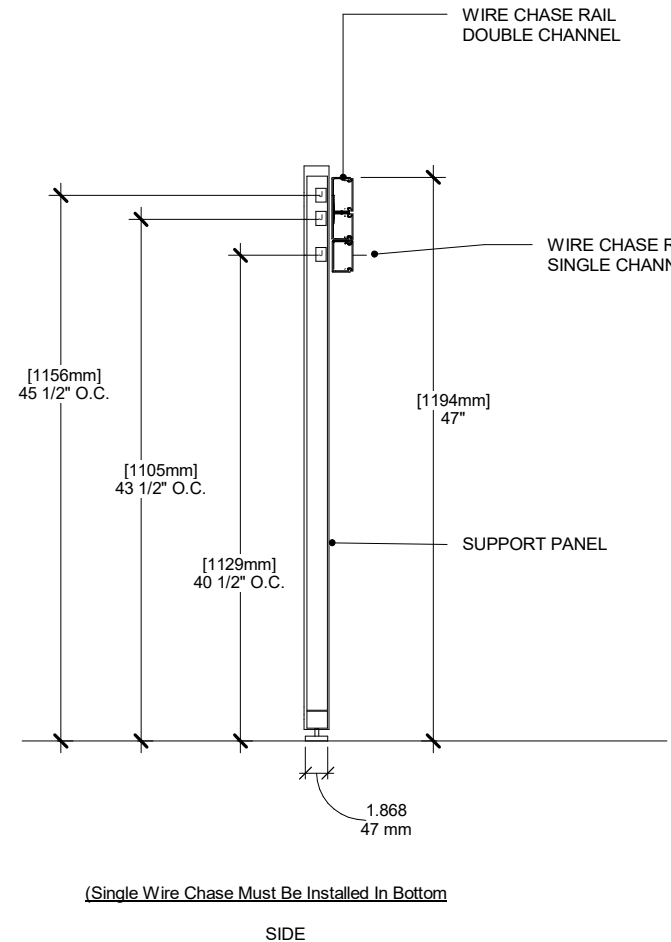
1. SUPPORT PANEL 80H CEILING ENTRY
3/4" = 1'-0"



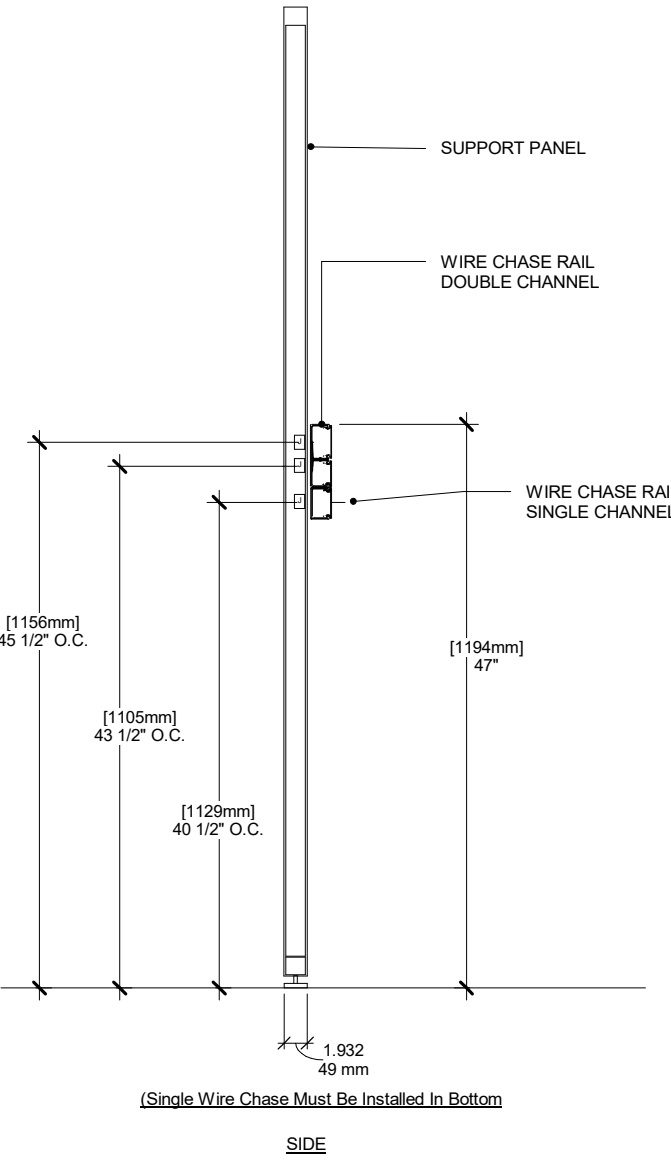
1. SUPPORT PANEL 48H FLOOR ENTRY
3/4" = 1'-0"



1. SUPPORT PANEL 80H FLOOR ENTRY
3/4" = 1'-0"



1. WIRE CHASE DOUBLE/SINGLE RAIL -
SUPPORT PANEL 48H SECTION
3/4" = 1'-0"



1. WIRE CHASE DOUBLE/SINGLE RAIL -
SUPPORT PANEL 80H SECTION
3/4" = 1'-0"

MillerKnoll

855 East Main Ave. PO Box 302
Zeeland, MI 49664-0302
(800) 338 - 5542

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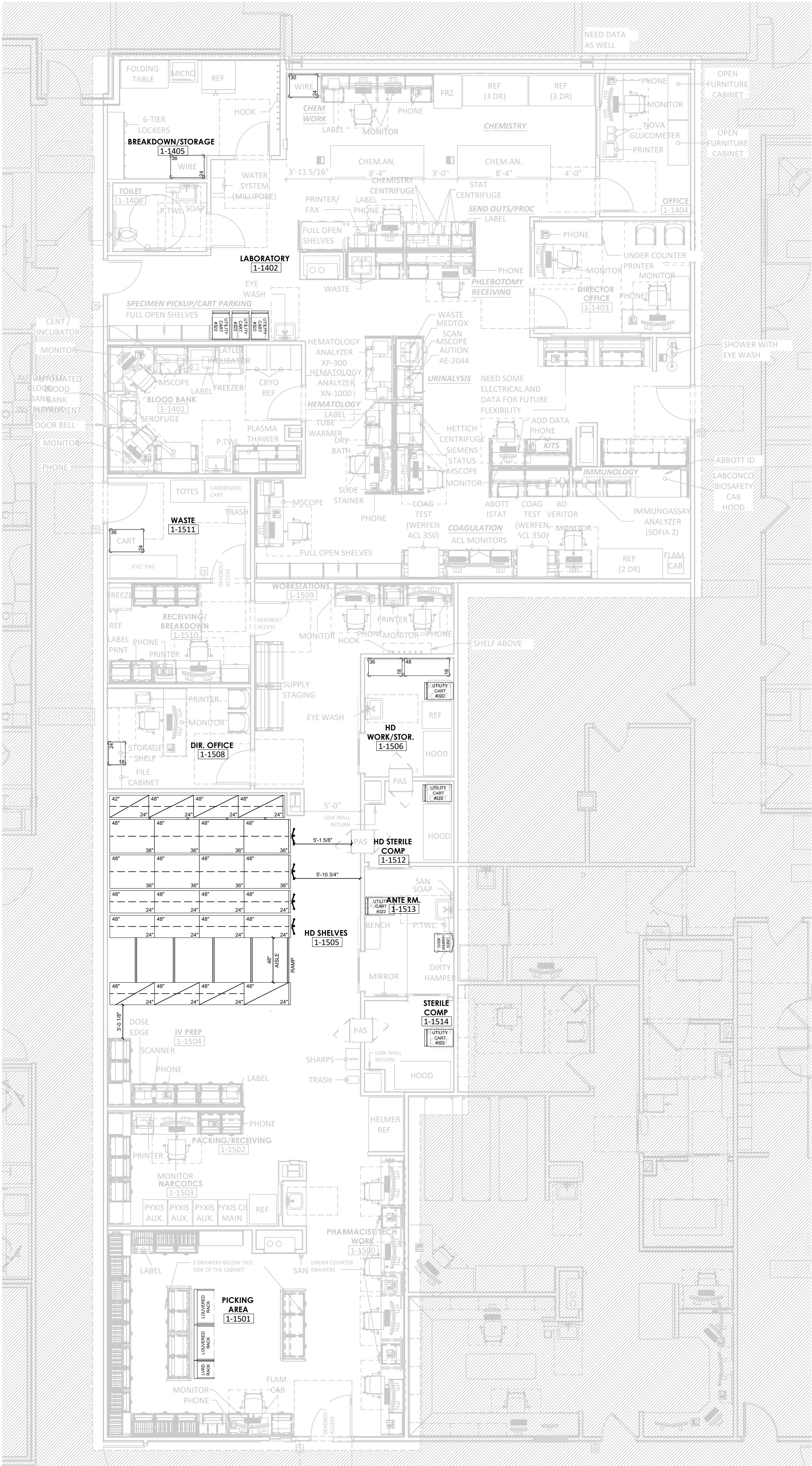
HCA ACUTE CARE LABS

Description	Date
1- Added Lab Module details	2021/08/16
2- Added Dims to AC ADA Detail	2021/10/07
3- Rev PPE Cab Detail	04/06/2022
4- Update ADA Sink Dims.	05/04/2022
5- Updated Logo to MillerKnoll	07/22/2022
6- Updated General Sink Notes	04/22/2023
7- Added CoStruc Rail Details	06/26/2023
8- Added 80 Module/Panes	10/17/2024

Scale:
3/4" = 1'-0"
Project number
HC2017090
Date
07/22/2022
Drawn by
Author
Checked by
Checker

SUPPORT PANELS

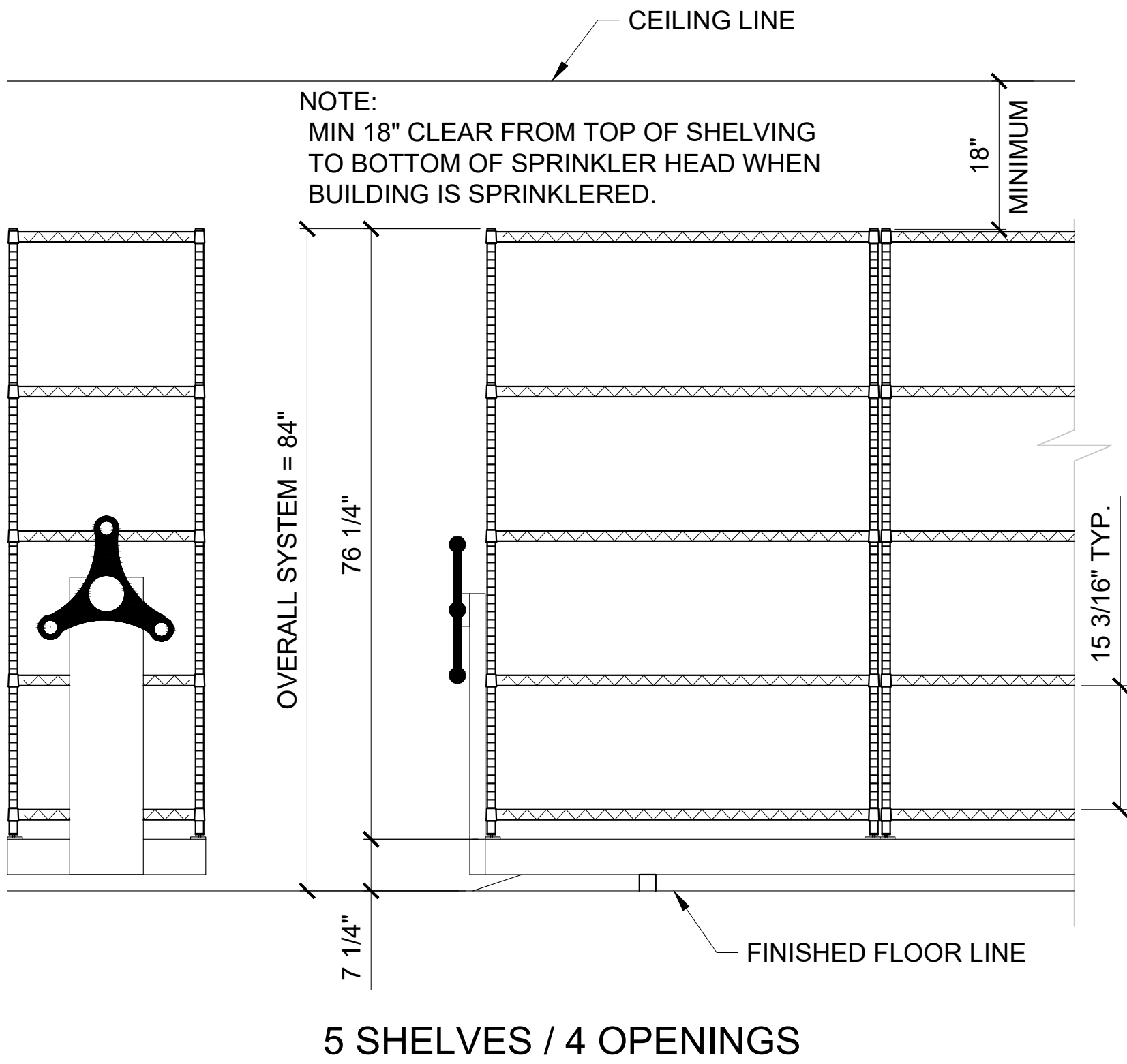
HM.D10



WEIGHT INFORMATION	
EQUIPMENT WEIGHT EMPTY	X,XXX
MEDIA WEIGHT AT CAPACITY	X,XXX
TOTAL WEIGHT OF SYSTEM	X,XXX
TOTAL LINEAR FILING INCHES	X,XXX

WEIGHTS FOR THE MOBILE SHELVING HAVE BEEN PROVIDED ABOVE SO THAT STRUCTURAL CALCULATIONS CAN BE / SHOULD BE DONE.

ARCHITECT SIGNATURE _____ DATE _____



- (1) FIXED (3) 48" x 24" UNITS (1) 42" x 24" UNIT w/ CENTER DIVIDERS
- (2) MOBILE (4) 48" x 36" UNITS w/ CENTER DIVIDERS
- (2) MOBILE (4) 48" x 24" UNITS w/ CENTER DIVIDERS
- (1) FIXED (3) 48" x 24" UNITS w/ CENTER DIVIDERS, (1) 48" x 24" UNIT WITHOUT CENTER DIVIDERS

ELEVATION VIEW
SCALE: NTS

ARCH. FIRM: DEVENNEY GROUP

Storage Systems

UNLIMITED

A CME Corp Company

ARCH. DATE: 04-10-2025
PROJ. MANAGER: CA
DWN. BY: DB
SCALE: 1/8"=1'-0"

SS REV. 05-19-2025

LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY LEE'S SUMMIT, MO 64063
PHARMACY

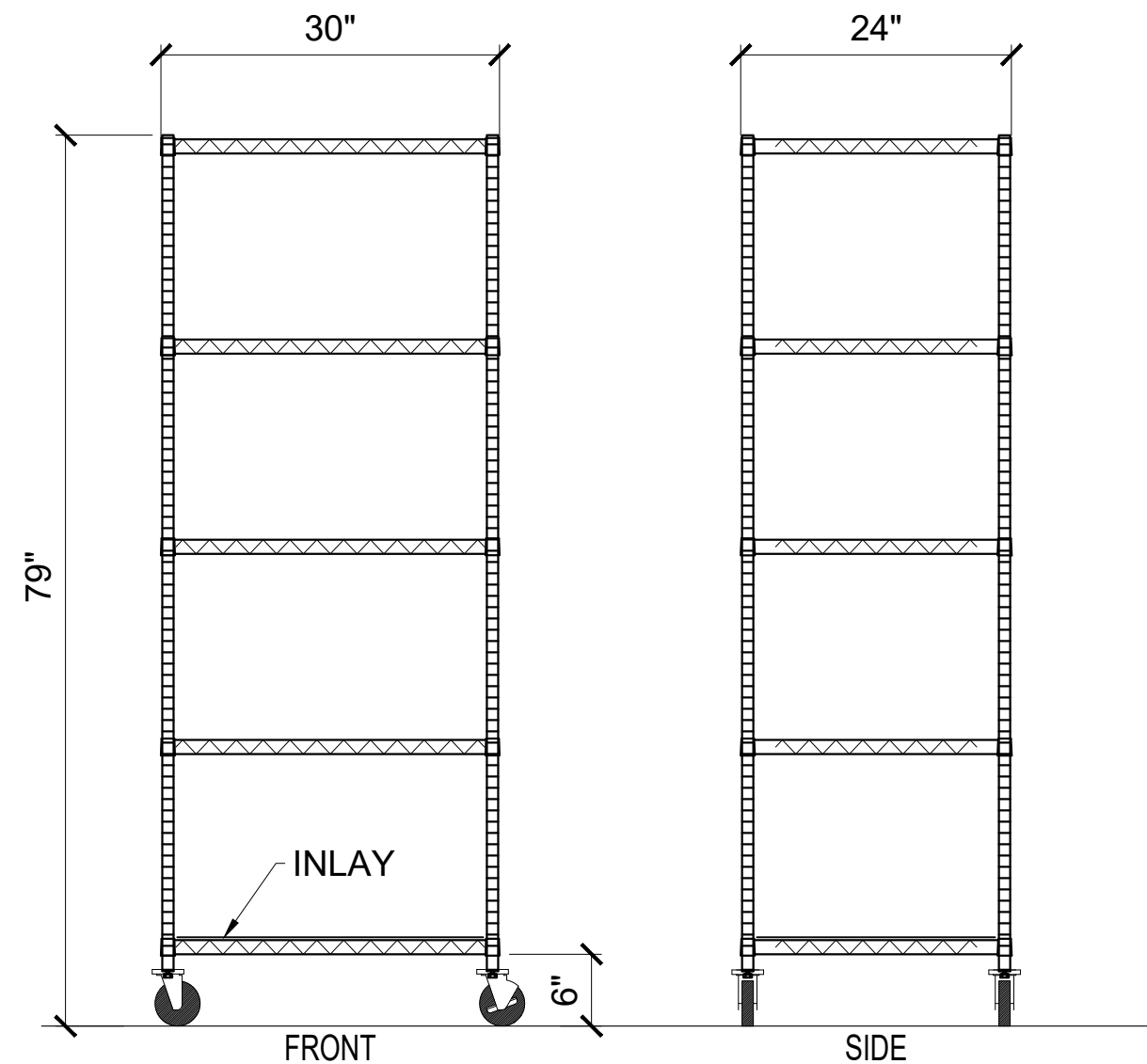
ISSUE DATE: 05-05-2025
STORAGE
SYSTEMS
LAYOUT

QUOTE #: 151131
DRAWING #

SS-1



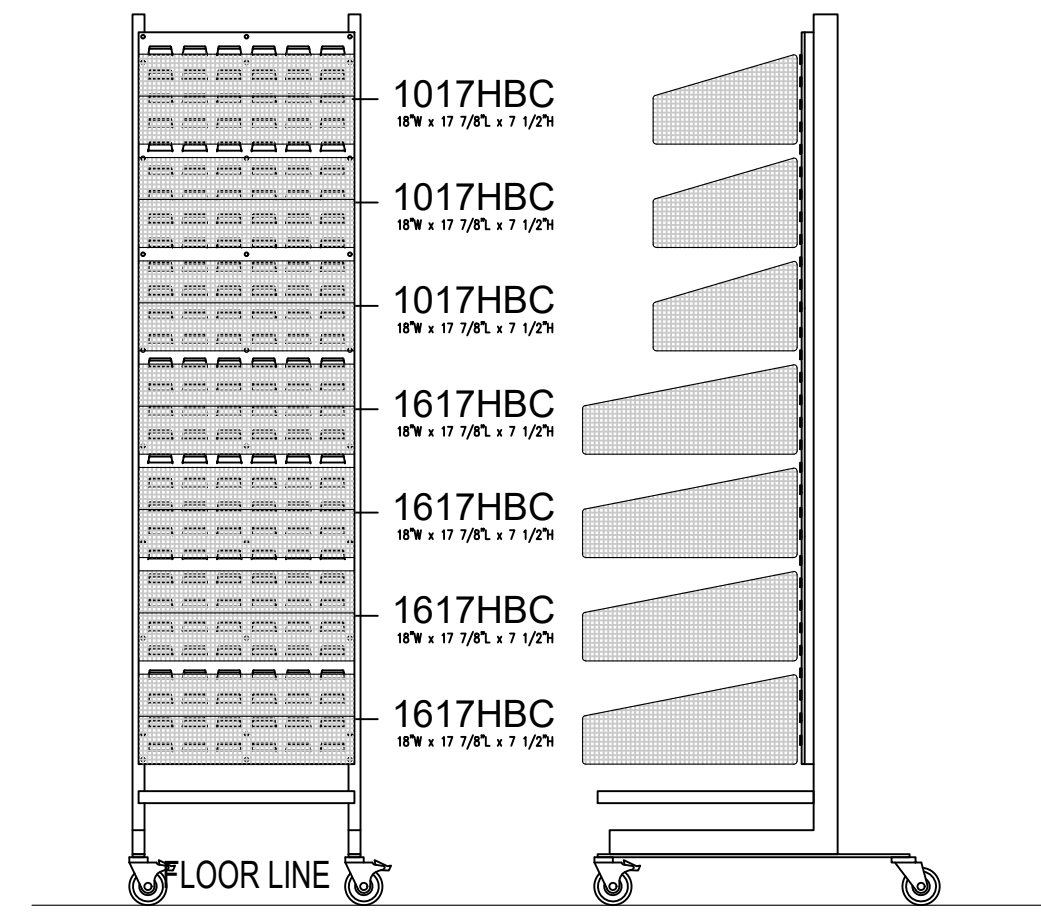
#2010
STEP-ON CHROME HAMPER W/ LID
18 5/8"W x 19 1/2"D x 37 3/4"H
SUPPORTS 36-42 GAL BAGS



#24x30x79
WIRE SHELVEING ON CASTERS
30"W x 24"D x 79"H
5 SHELVES

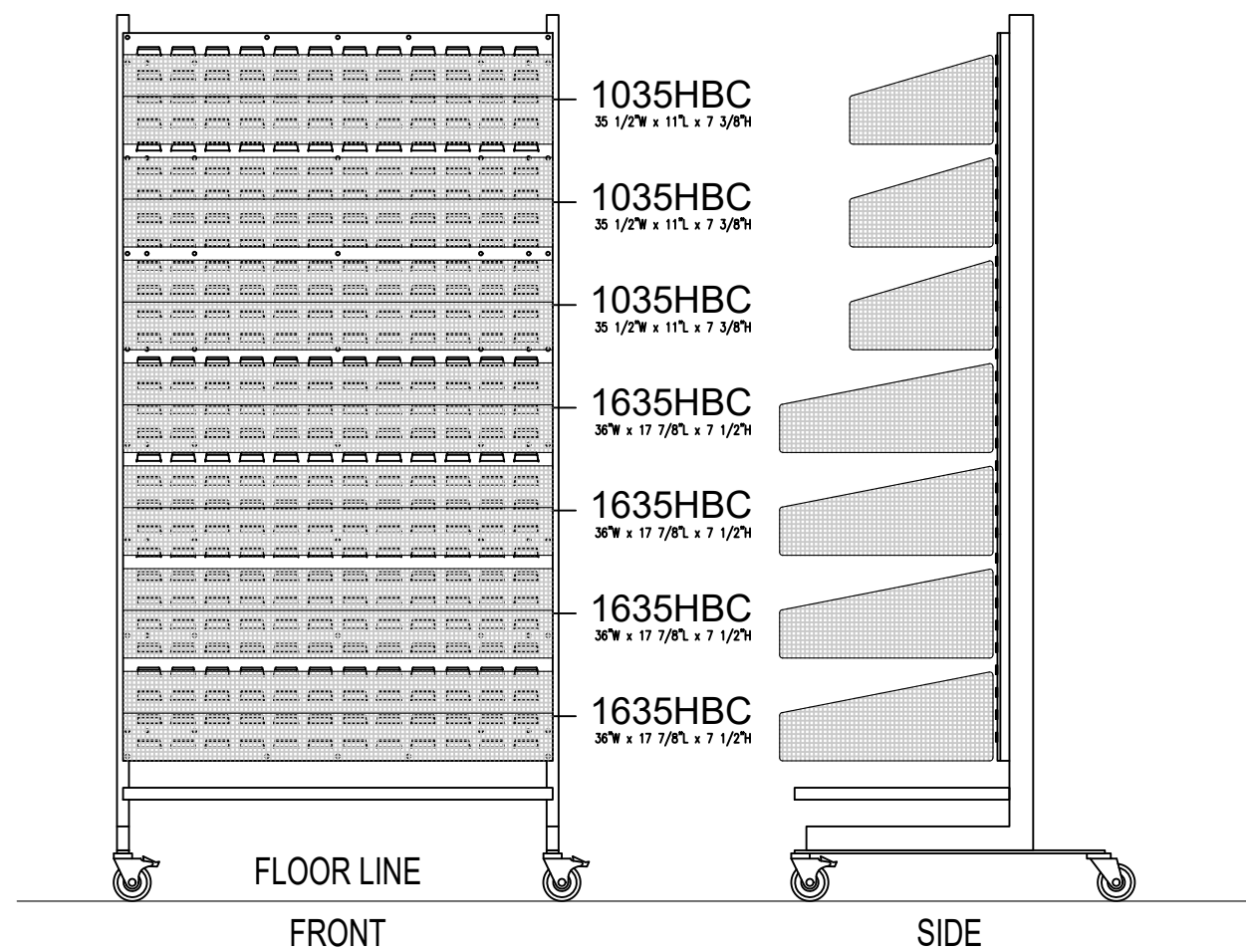


#322
STAINLESS UTILITY CART
30 3/4"W x 18 3/8"D x 33"H
300 LBS. CAPACITY

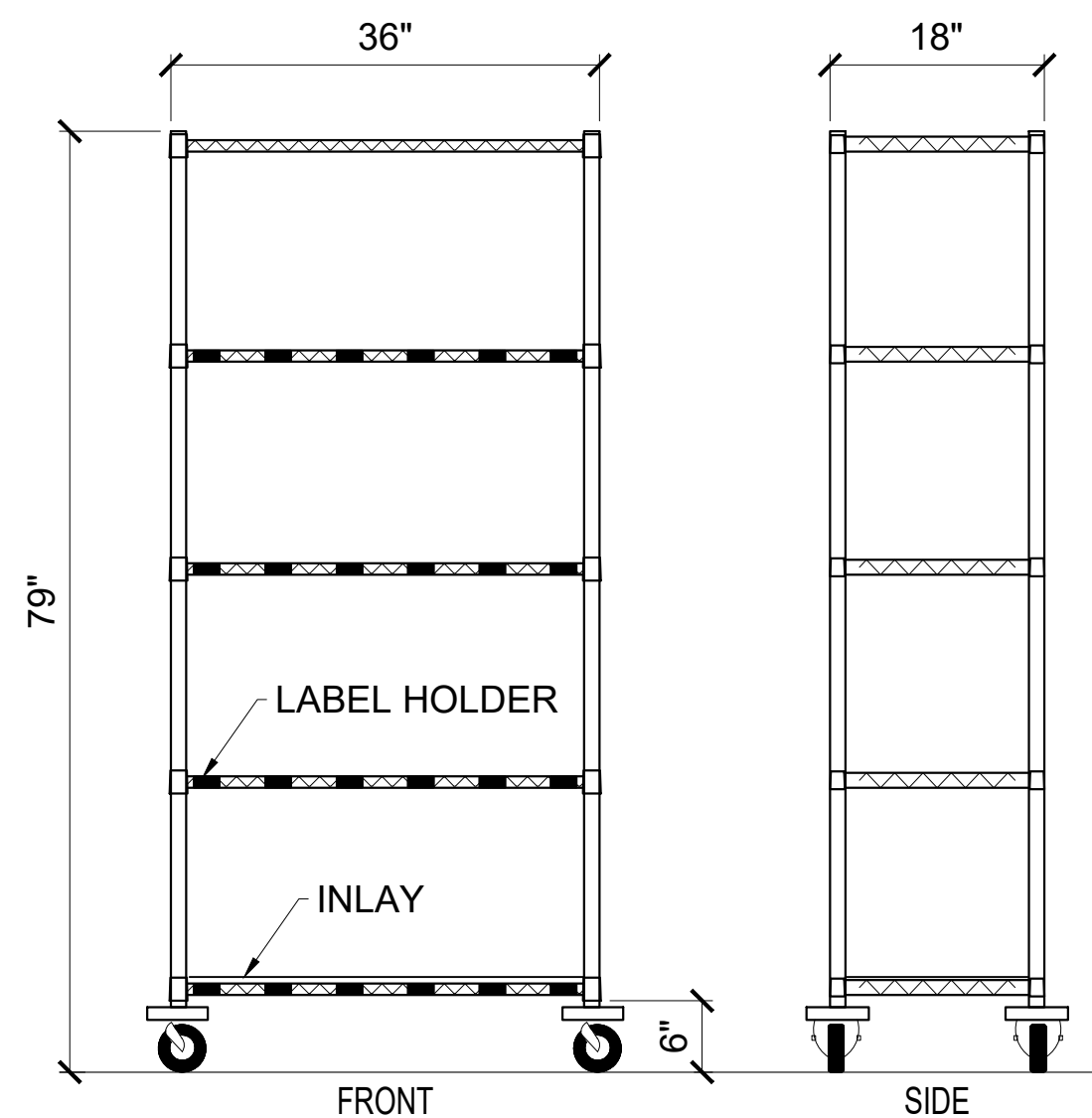


#LOUVERED RACK
MOBILE LOUVERED RACK
18"W x 26"D x 74"H
SINGLE SIDED

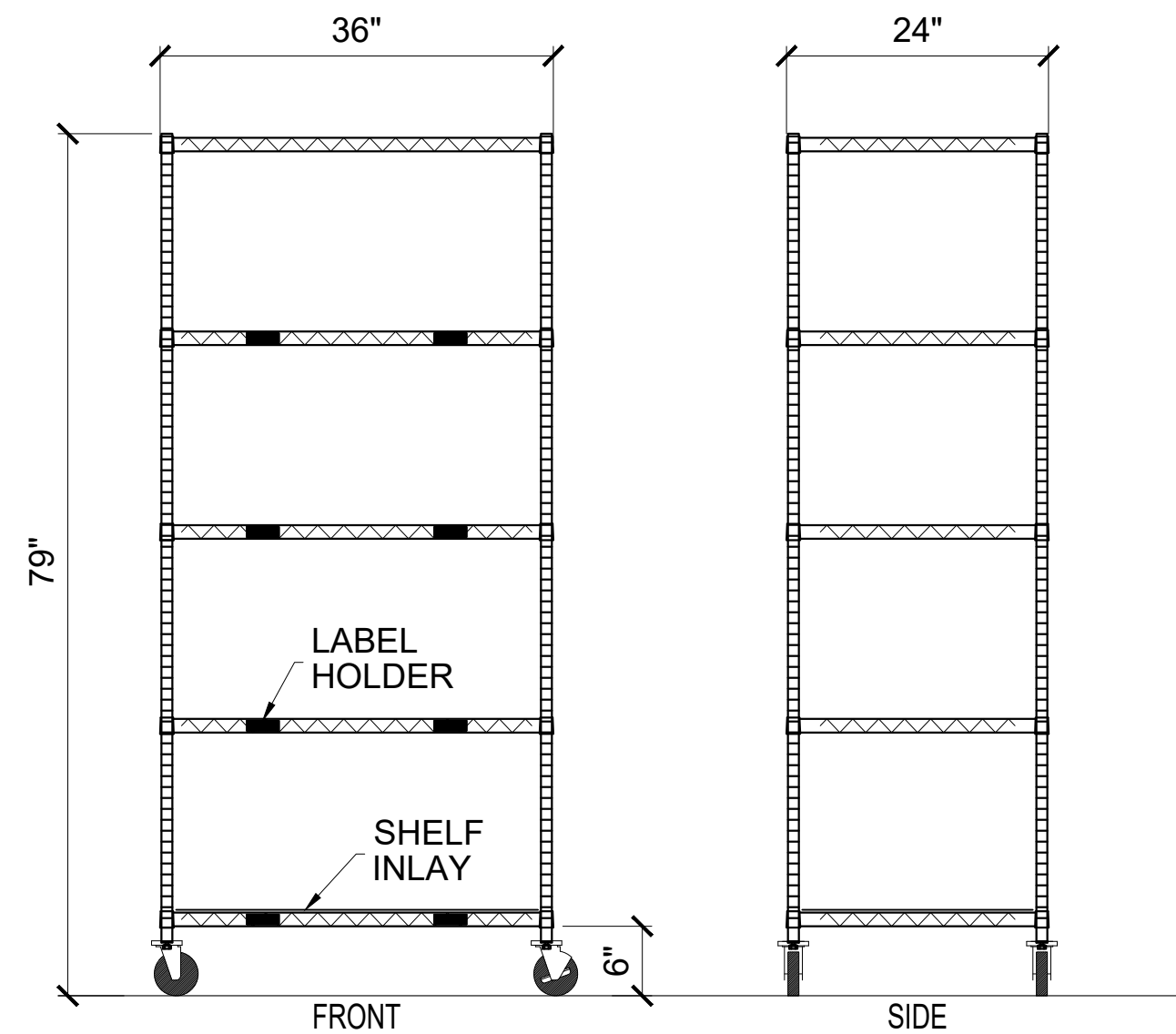
Room
1-1402
1-1506
1-1512
1-1513
1-1514



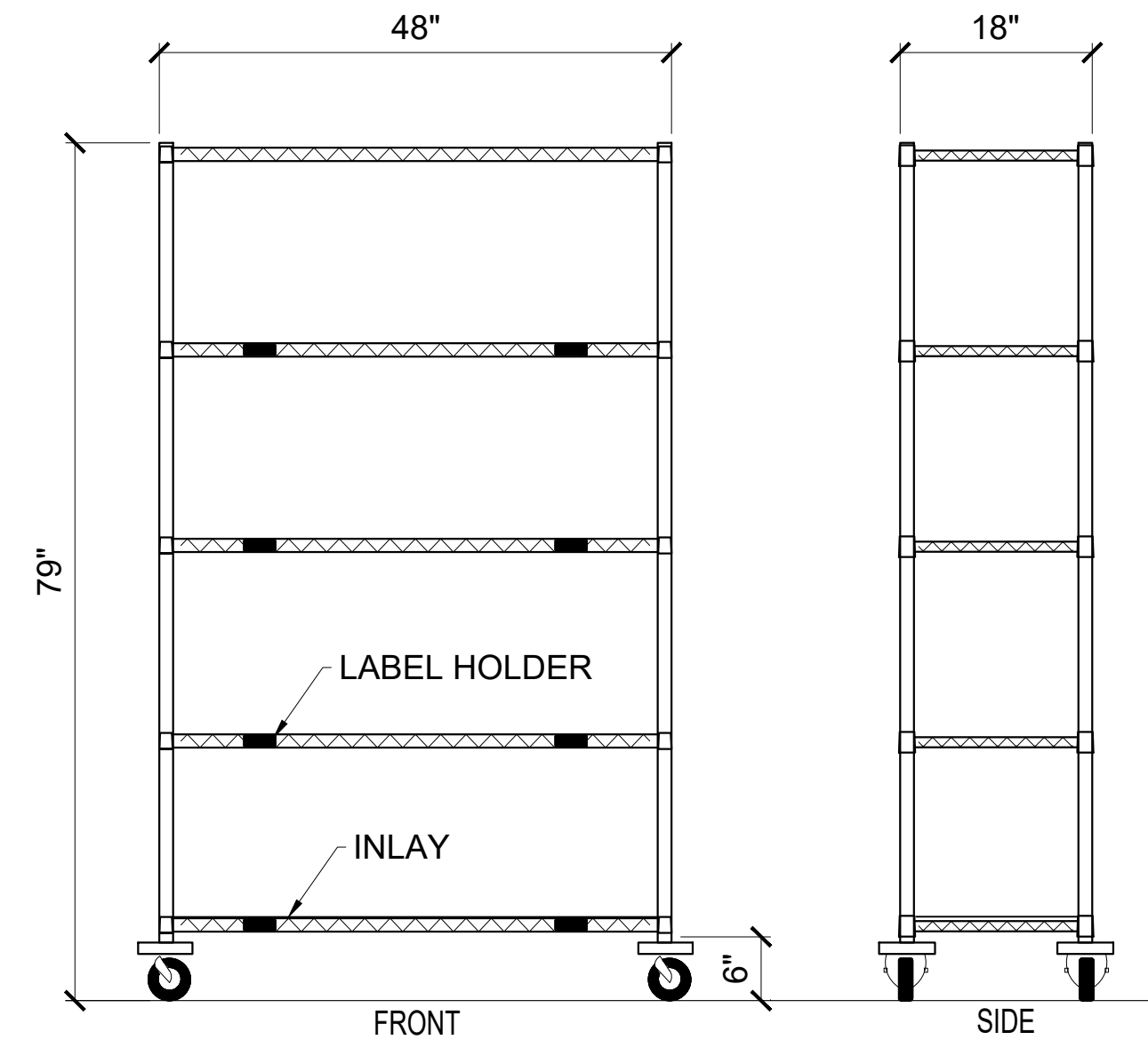
#LOUVERED RACK
MOBILE LOUVERED RACK
36"W x 26"D x 74"H
SINGLE SIDED



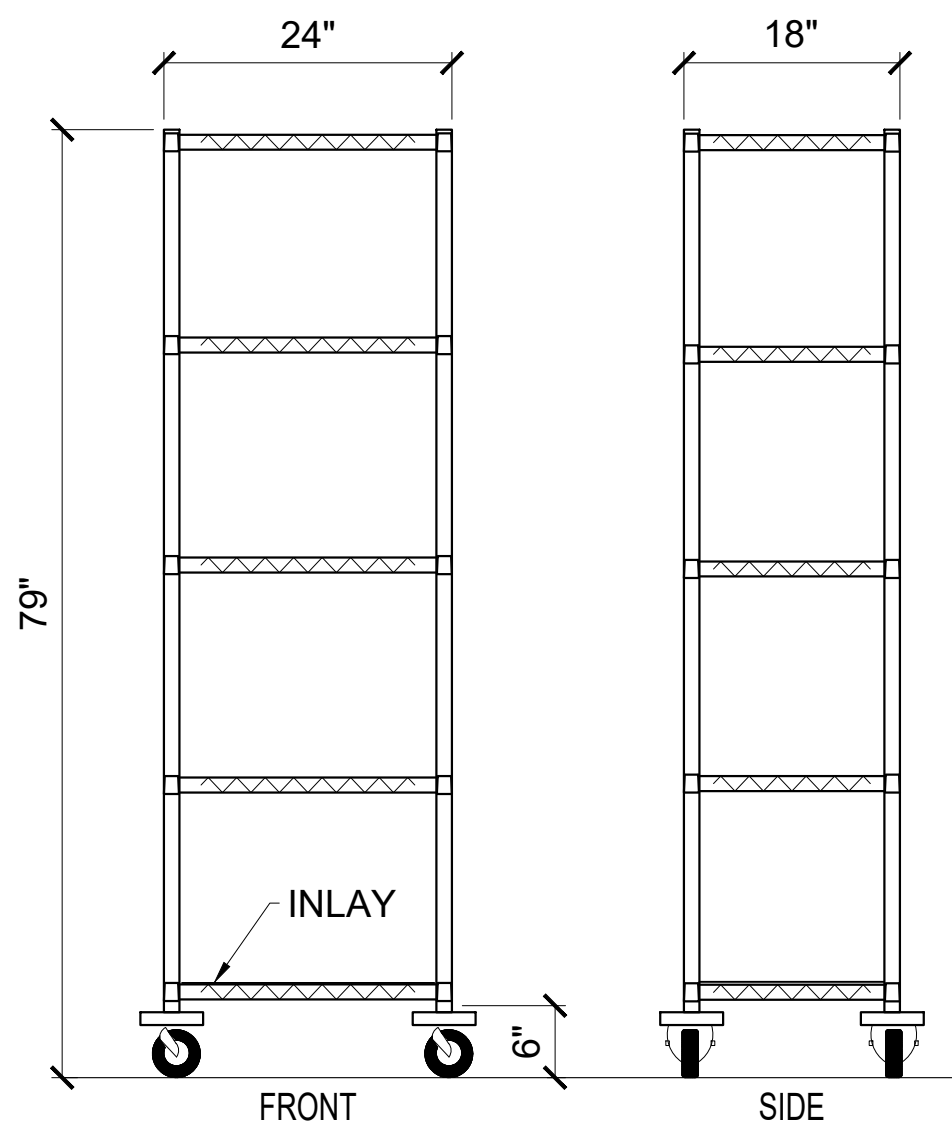
#SSUKIT1275
WIRE SHELVEING 36"W x 18"D x 79"H
5 SHELVES WITH CASTERS
QUANTUM



#SSUKIT1277
WIRE SHELVEING CART
36"W x 24"D x 79"H
W/ 5 SHELVES



#SSUKIT1291
WIRE SHELVEING 48"W x 18"D x 79"H
5 SHELVES WITH CASTERS
QUANTUM



#SSUKIT2284
WIRE SHELVEING 24"W x 18"D x 79"H
5 SHELVES WITH CASTERS
QUANTUM

Room
1-1513

Room
1-1402

Room
1-1501

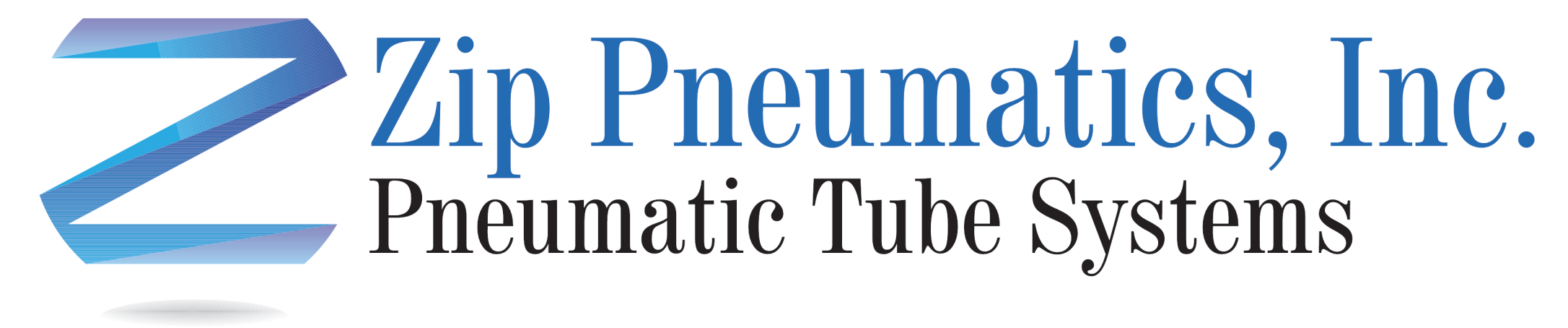
Room
1-1501

Room
1-1506

Room
1-1506

Room
1-1405

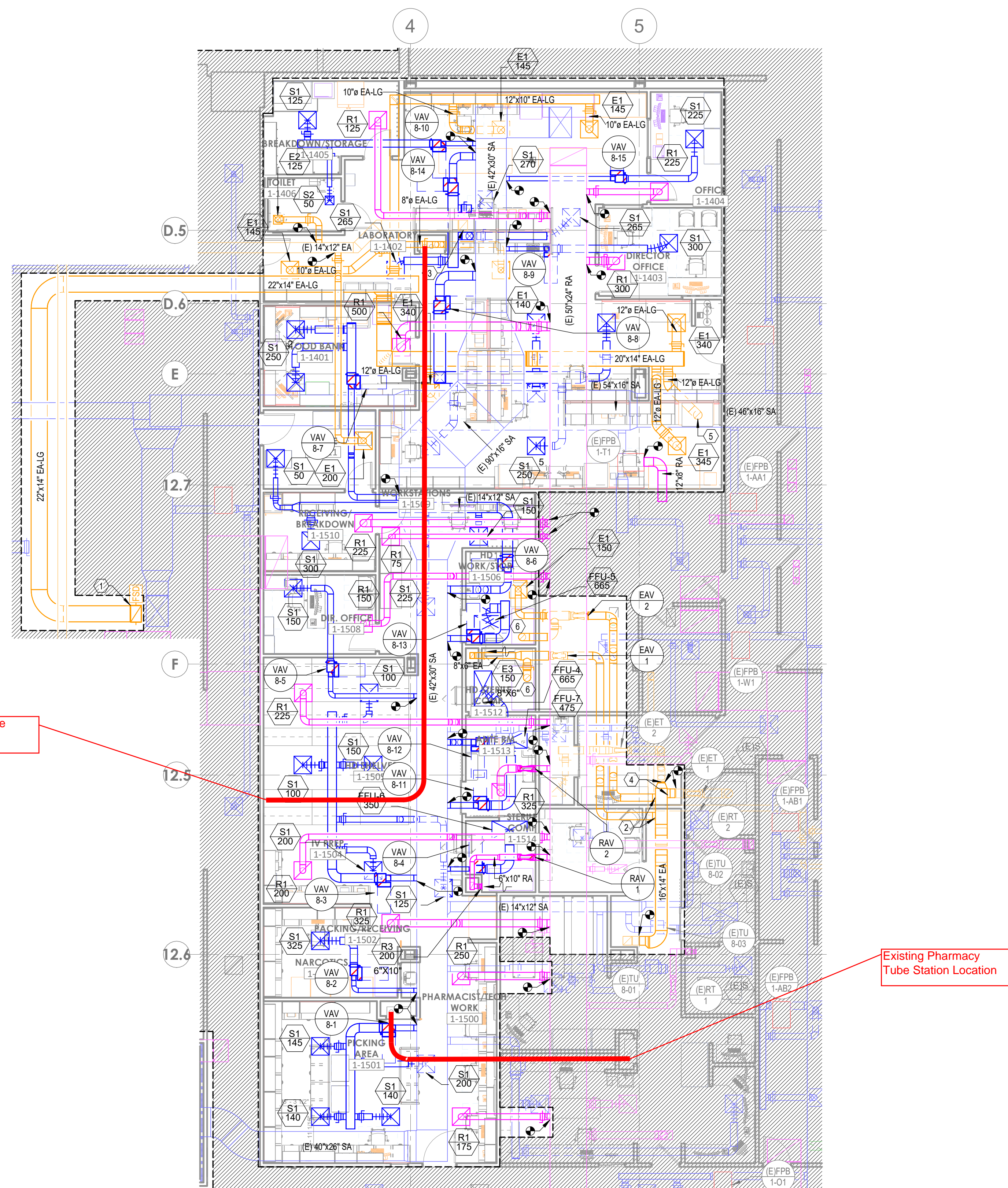
Room
1-1506



4" PNEUMATIC TUBE SYSTEM

LEES SUMMIT HOSPITAL
LEES SUMMIT, MISSOURI

STATION RELOCATIONS



FLOOR PLAN - LEVEL 1 - SECTOR B - LAB & PHARMACY

General Notes

No.	Revision/Issue	Date

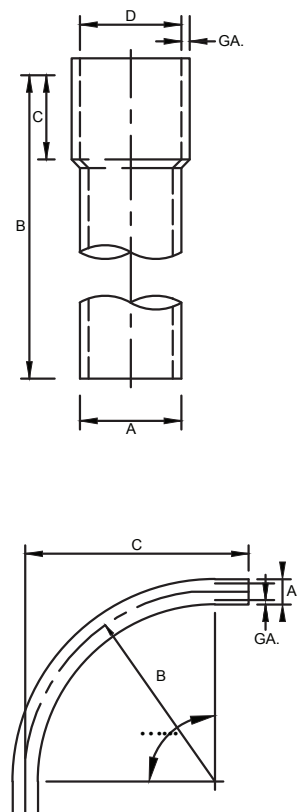
Firm Name and Address

Zip Pneumatics, Inc.
9815 E. 56th St.
Raytown, MO 64133

Project Name and Address

Lee's Summit Hospital
Lee's Summit, MO
Pneumatic Tube
Details

Project	Sheet
# 212013	PTS-001
Date 05-17-11	
Scale As Shown	Details



ALL REFERENCE DIMENSIONS ARE NOMINAL.

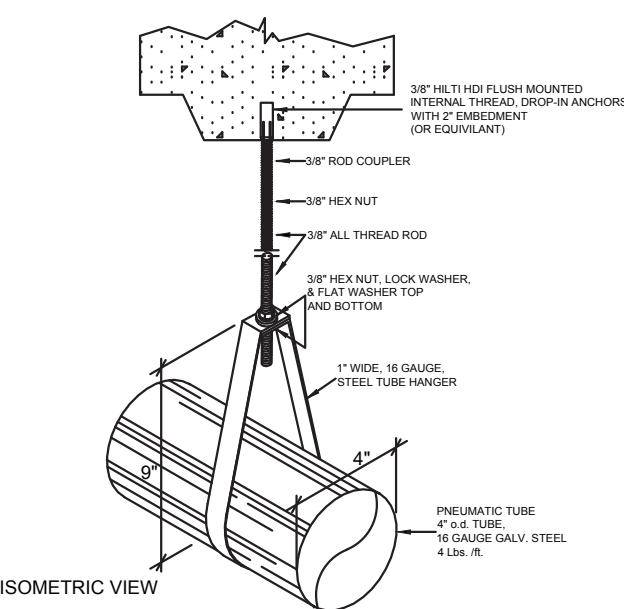
STANDARD STOCK TUBING (ONE END EXPANDED)				
PART NUMBER	A (O.D.)	B (Length)	C	D (I.D.) GAUGE
60210	4"	10' - 16'	4"	4" 16

Tubing is cold-rolled, galvanized, electro-welded steel with flush removed. Bends are fabricated of the same materials and formed on a center line to the specified radius. Bends are of the true circular cross section throughout and free of wrinkles and distortions. Connections of tubing and bends above ground are sealed with Mastic Sealant. Care shall be taken in applying compound to avoid formation of beads or ridges on the inside of the tubing, joining to other bends or straight tubing is with steel sleeves or full end connectors.

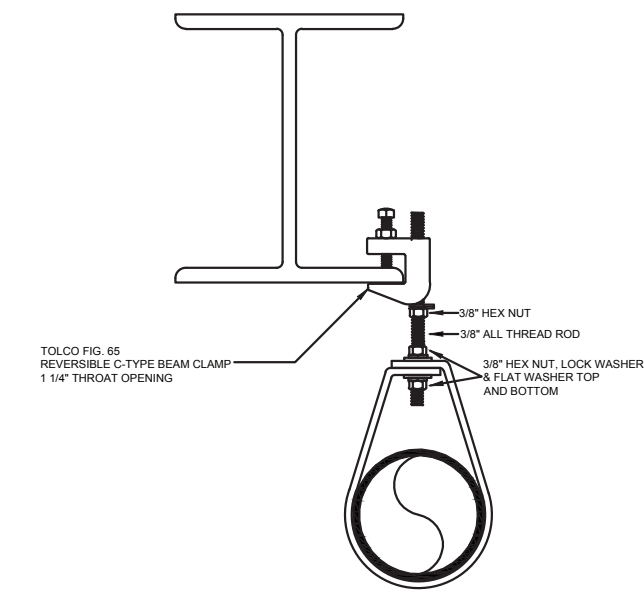
TUBE SIZE	4"
HANGER	1" /16 Ga.
HANGER SPACING	10' o.c.
TUBE WT./FT.	4 LBS.
TUBE GAUGE	16 Ga.
ALL THREAD	3/8"
HARDWARE	3/8"

PNEUMATIC TUBING

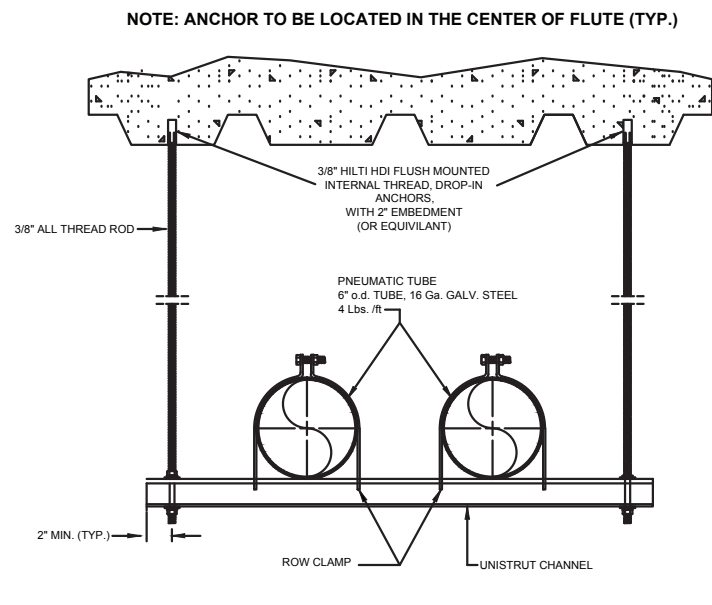
NOTE: ANCHOR TO BE LOCATED IN CENTER OF LOW FLUTE (TYP.)



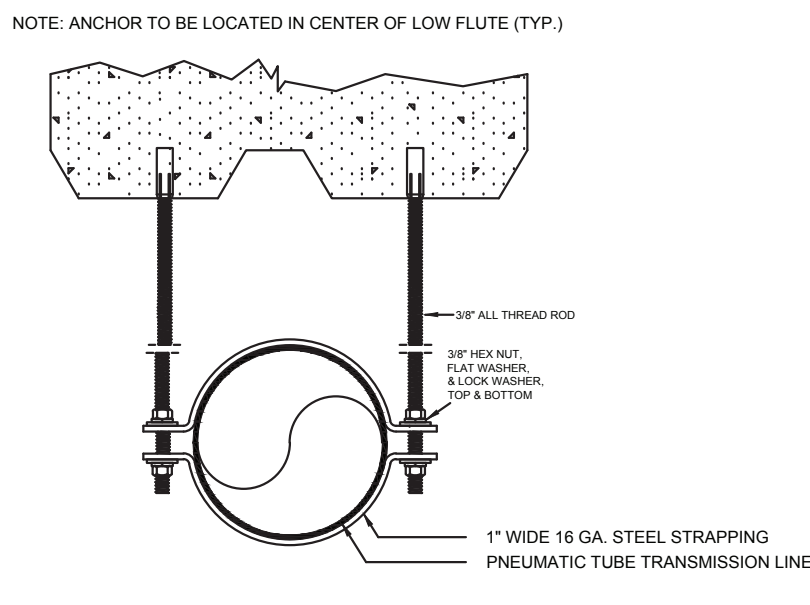
PNEUMATIC TUBING LOOP HANGER



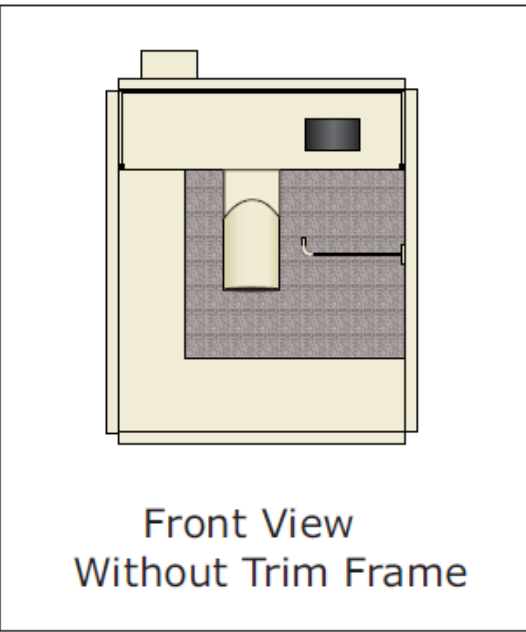
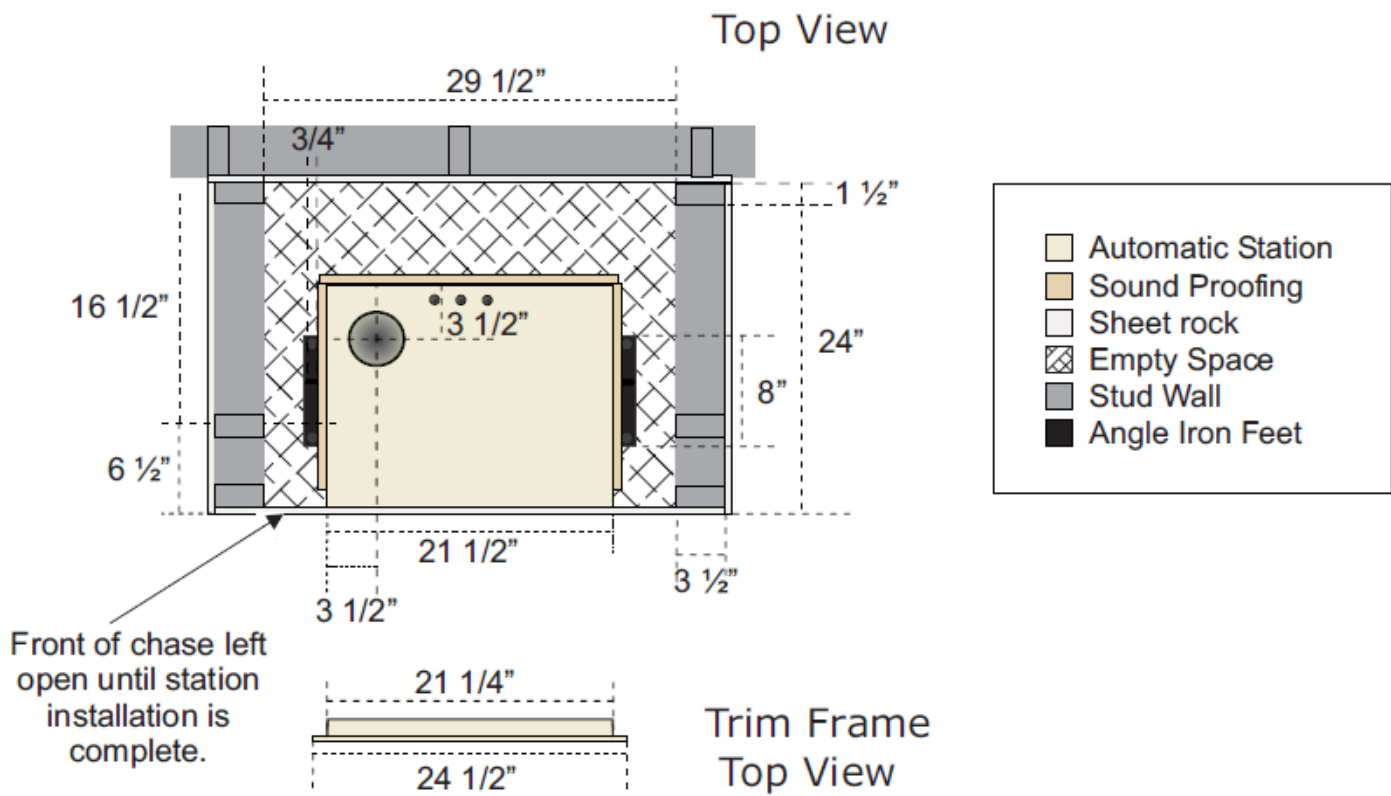
PNEUMATIC TUBING LOOP HANGER
W/ BEAM CLAMP



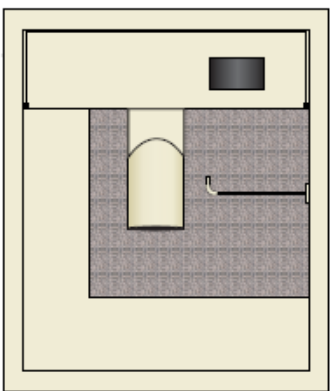
PNEUMATIC TUBING TRAPEZE
SUPPORT FOR SINGLE & MULTIPLE TUBES



PNEUMATIC TUBING ROW CLAMP HANGER



Front View
Without Trim Frame



Front View
With Trim Frame

General Notes

Firm Name and Address

Zip Pneumatics, Inc.
9815 E. 56th St.
Raytown, MO 64133

Project Name and Address

Lee's Summit Hospital
Lee's Summit, MO
Pneumatic Tube
Details

Project

212013

Date 05-17-11

Scale As Shown

Sheet

PTS-002

Details