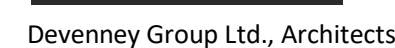


A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

1. 2" GREASE WASTE FROM HAND SINK.
2. 4" GREASE WASTE FROM FLOOR SINK.
3. 2" VENT UP.
4. 4" GREASE WASTE FROM FLOOR TROUGH.
5. 4" VENT UP.
6. 3" SANITARY FROM FUNNEL FLOOR DRAIN.
7. UPTO FCO.
8. 2" GREASE WASTE FROM DISPOSER.
9. 3" GREASE WASTE FROM TROUGHVEYOR.
10. 3" GREASE WASTE FROM MOP SINK.
11. 4" SANITARY FROM WATER CLOSET.
12. 2" SANITARY FROM LAVATORY.



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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
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AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06

DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

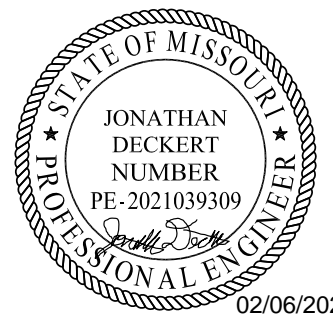
UNDERFLOOR PLAN -
PLUMBING

P02-00



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FLOOR PLAN - LEVEL 1 -
SECTOR A - KITCHEN,
SERVERY & DINING -
PLUMBING

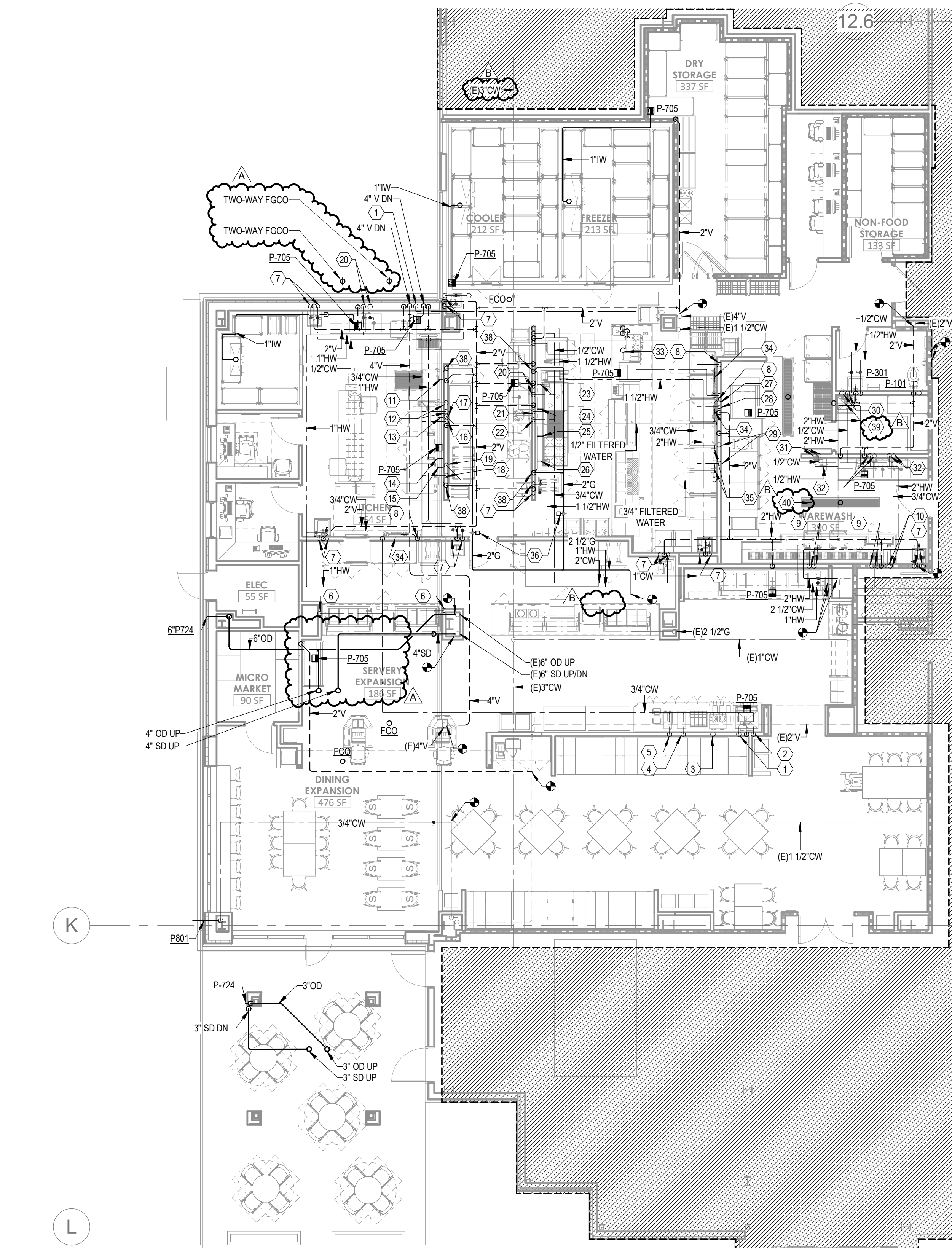
P02-01

GENERAL NOTES

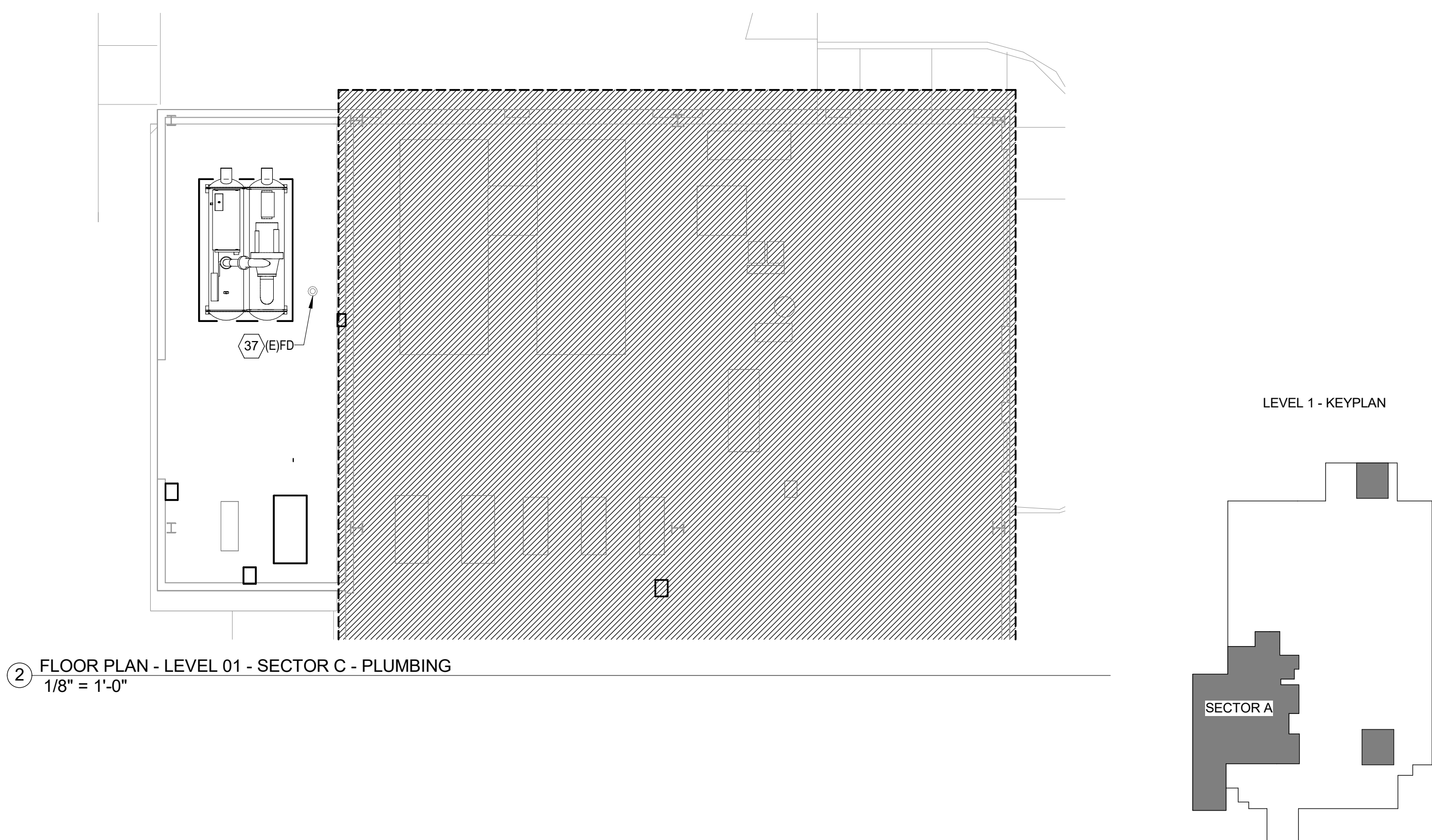
A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

1. 1/2" COLD WATER FILTERED FOR CUBE ICE MAKER.
2. 1/2" COLD WATER FILTERED FOR AMBIENT CARBONATOR.
3. 1/2" COLD WATER FILTERED FOR COFFEE BREWER.
4. 1/2" COLD WATER FILTERED FOR SPECIALTY DRINK DISPENSER.
5. 1/2" COLD WATER FILTERED FOR ICED TEA BREWER.
6. 1/2" COLD WATER FOR FILL FAUCET.
7. 1/2" HOT & COLD WATER FOR HAND SINK.
8. 3/4" COLD WATER FOR WATER FILTRATION ASSEMBLY.
9. 1/2" HOT & COLD WATER FOR PRE-RINSE UNIT.
10. 1/2" HOT & COLD WATER FOR TROUGHVEYOR.
11. 3/4" GAS @ 200,000 BTUs FOR 40 GAL. TILT SKILLET.
12. 1/2" HOT & COLD WATER FOR PANTRY FAUCET.
13. 3/4" GAS @ 72,000 BTUs FOR DOUBLE STEAMER.
14. 3/4" GAS @ 100,000 BTUs FOR DOUBLE CONNECTION OVEN.
15. 3/4" GAS @ 115,000 BTUs FOR COMBI OVEN.
16. 1/2" COLD WATER FOR DOUBLE STEAMER.
17. 1/2" COLD WATER FILTERED FOR DOUBLE STEAMER.
18. 1/2" COLD WATER FOR COMBI OVEN.
19. 3/4" COLD WATER FILTERED FOR COMBI OVEN.
20. 1/2" HOT & COLD WATER FOR SUPPLY.
21. 1/2" HOT WATER FOR PRE-RINSE UNIT.
22. 3/4" COLD WATER FOR PRE-RINSE UNIT/DISPOSER.
23. 1" GAS @ 80,000 BTUs FOR FILTER ASSEMBLY.
24. 3/4" GAS @ 84,000 BTUs FOR COUNTERTOP GRIDDLE.
25. 3/4" GAS @ 108,000 BTUs FOR COUNTERTOP CHARBROILER.
26. 3/4" GAS @ 180,000 BTUs FOR COUNTERTOP 6-BURNER RANGE.
27. 1" HOT WATER @ 110 DEG MIN. FOR HIGH TEMP FLIGHT TYPE DISH MACHINE.
28. 1" COLD WATER FOR HIGH TEMP FLIGHT TYPE DISH MACHINE.
29. 1/2" COLD WATER FOR WATER FILTRATION ASSEMBLY.
30. 1/2" HOT & COLD WATER FOR HOSE BIBB.
31. 1/2" HOT & COLD WATER FOR HOSE REEL MIXING CABINET.
32. 3/4" HOT & COLD WATER FOR FAUCET.
33. 1/2" FILTERED WATER FROM BELOW SERVING ICE DISPENSER, ICED TEA BREWER AND COFFEE BREWER.
34. 3/4"RPZ.
35. 1/2"RPZ.
36. EMERGENCY GAS SHUT-OFF VALVE INTERLOCKED WITH ANSUL SYSTEM.
37. COORDINATE EXISTING FLOOR DRAIN LOCATION WITH NEW MECHANICAL EQUIPMENT PAD. IF EXISTING FLOOR DRAIN CONFLICTS WITH NEW EQUIPMENT PAD DIMENSIONS, DEMOLISH EXISTING FLOOR DRAIN AND PROVIDE NEW FLOOR DRAIN AND CONNECT TO EXISTING BRANCH PIPING.
38. BRUTE 2" NATURAL GAS LOOP AT 1/2" AFE AT COCKLINE.
39. KITCHEN SINK PROVIDED BY KITCHEN CONTRACTOR. REFER TO KITCHEN DRAWINGS FOR FIXTURE SPECIFICATION.
40. FLOOR TROUGH PROVIDED BY KITCHEN CONTRACTOR. REFER TO KITCHEN DRAWINGS FOR FIXTURE SPECIFICATION.



1 FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - PLUMBING
1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 01 - SECTOR C - PLUMBING
1/8" = 1'-0"



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FLOOR PLAN - LEVEL 02 -
SECTOR B - PLUMBING

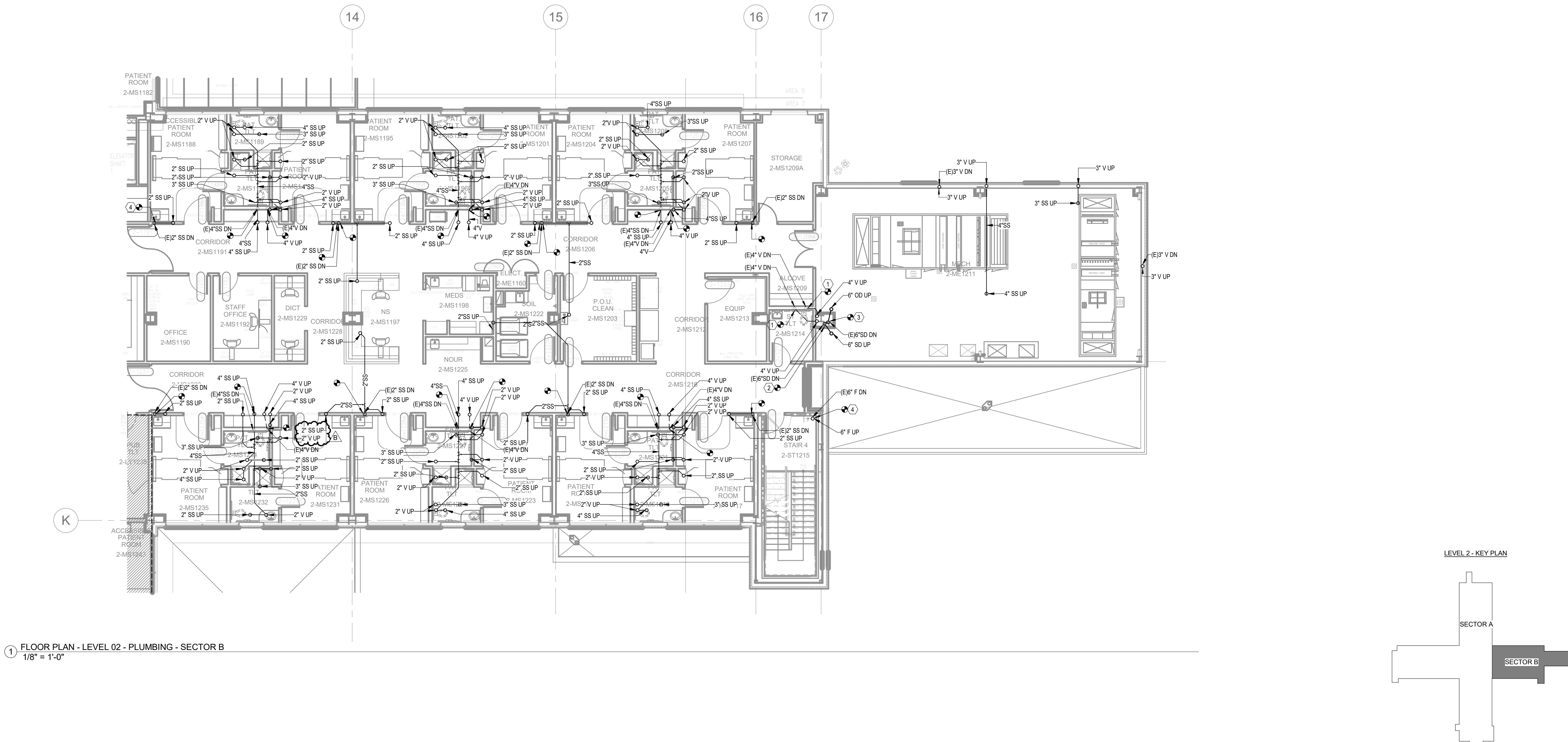
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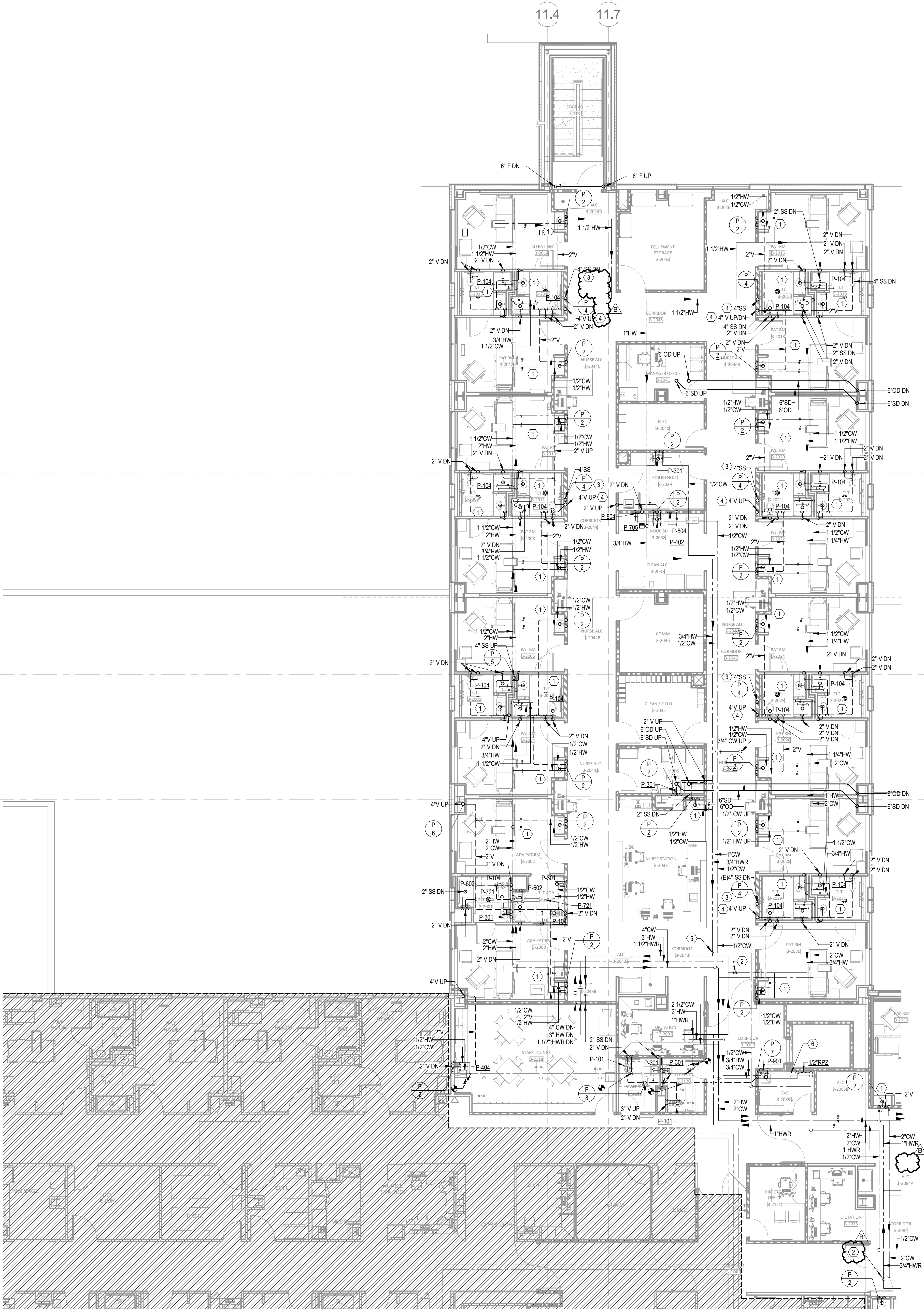
GENERAL NOTES

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

LEGEND NOTES

1. CONNECT TO EXISTING 4" V PIPING ABOVE SECOND FLOOR CEILING.
2. CONNECT TO EXISTING 6" STORM DRAIN STACK.
3. CONNECT TO EXISTING 6" OVERFLOW DRAIN STACK.
4. EXTEND EXISTING 6" FIRE STANDPIPE UP TO THIRD LEVEL.





GENERAL NOTES

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

LEGEND NOTES

1. CONNECT COLD AND HOT WATER, VENT AND SANITARY LINES TO OWNER FURNISHED PREFABRICATED TOILET AND LAVATORY MODULES. CONTRACTOR TO FIELD LOCATE EXACT CONNECTION POINTS AND PROVIDE ALL FITTINGS AND TRANSITIONS NECESSARY TO COMPLETE THE SYSTEM. REFER TO THE PREFABRICATED MODULE'S DRAWINGS FOR FURTHER DETAILS.
2. AUTOMATIC BALANCING VALVE SET TO 1.25 GPM
3. 4" WASTE STACK UP THROUGH ROOF. PROVIDE A CAPPED 4" WASTE STUB IN THIRD FLOOR CEILING SPACE FOR FUTURE CONNECTION. TERMINATE 4" WASTE STACK WITH 4" VTR.
4. 4" VENT STACK UP THROUGH ROOF. TERMINATE 4" VENT STACK WITH 4" VTR.
5. AUTOMATIC BALANCING VALVE SET TO 5 GPM
6. 1/2"CW TO SOAP/CHEMICAL DISPENSER



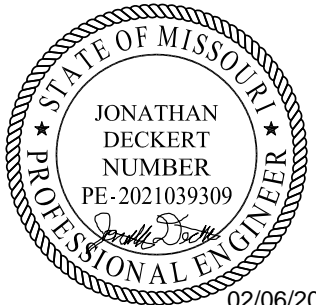
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FLOOR PLAN - LEVEL 03 -
SECTOR A - PLUMBING

P02-03A



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FLOOR PLAN - LEVEL 03 -
SECTOR B - PLUMBING

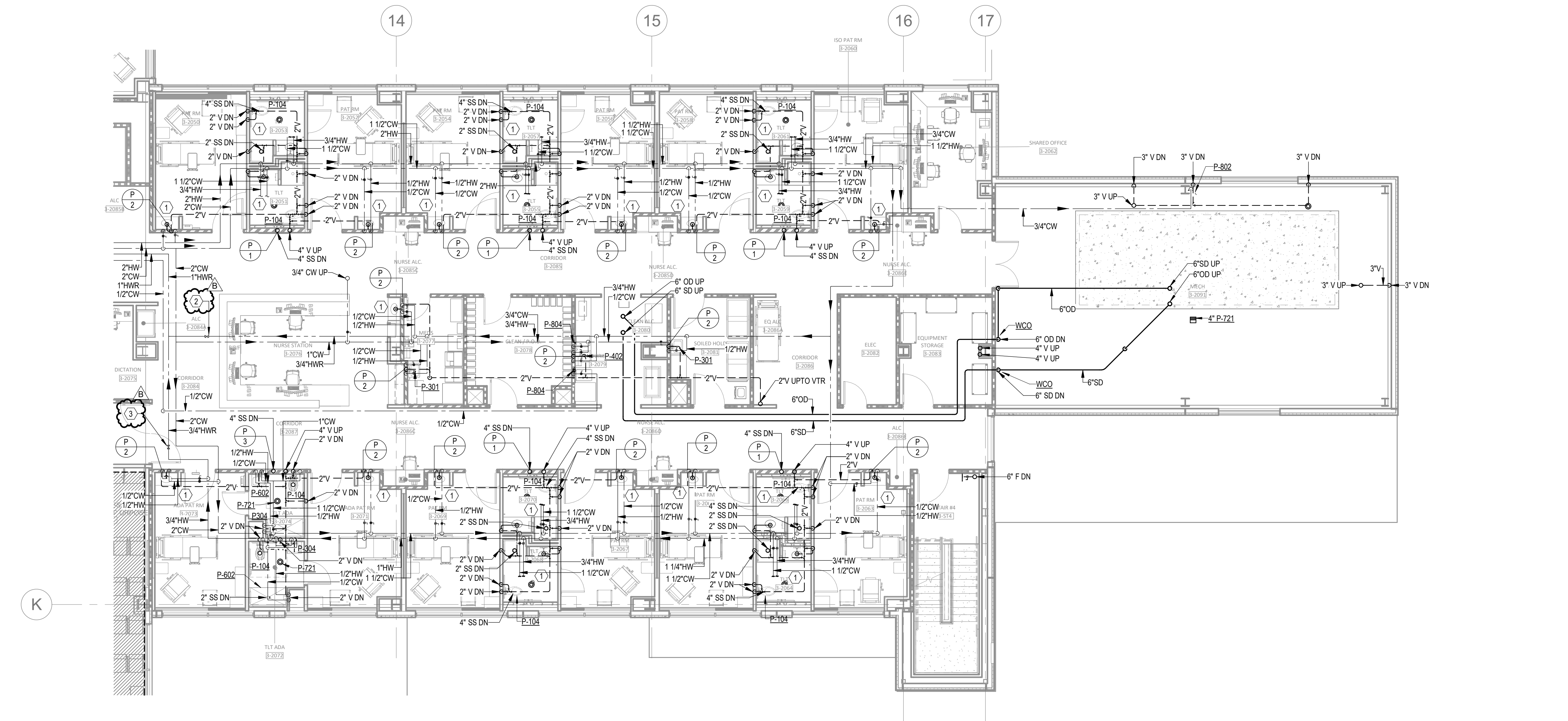
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GENERAL NOTES

A. REFER TO P02-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

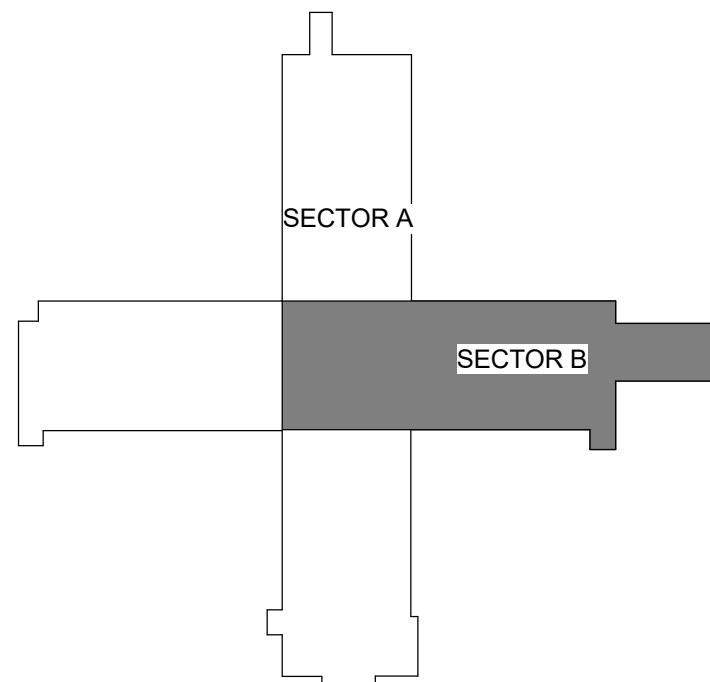
LEGEND NOTES

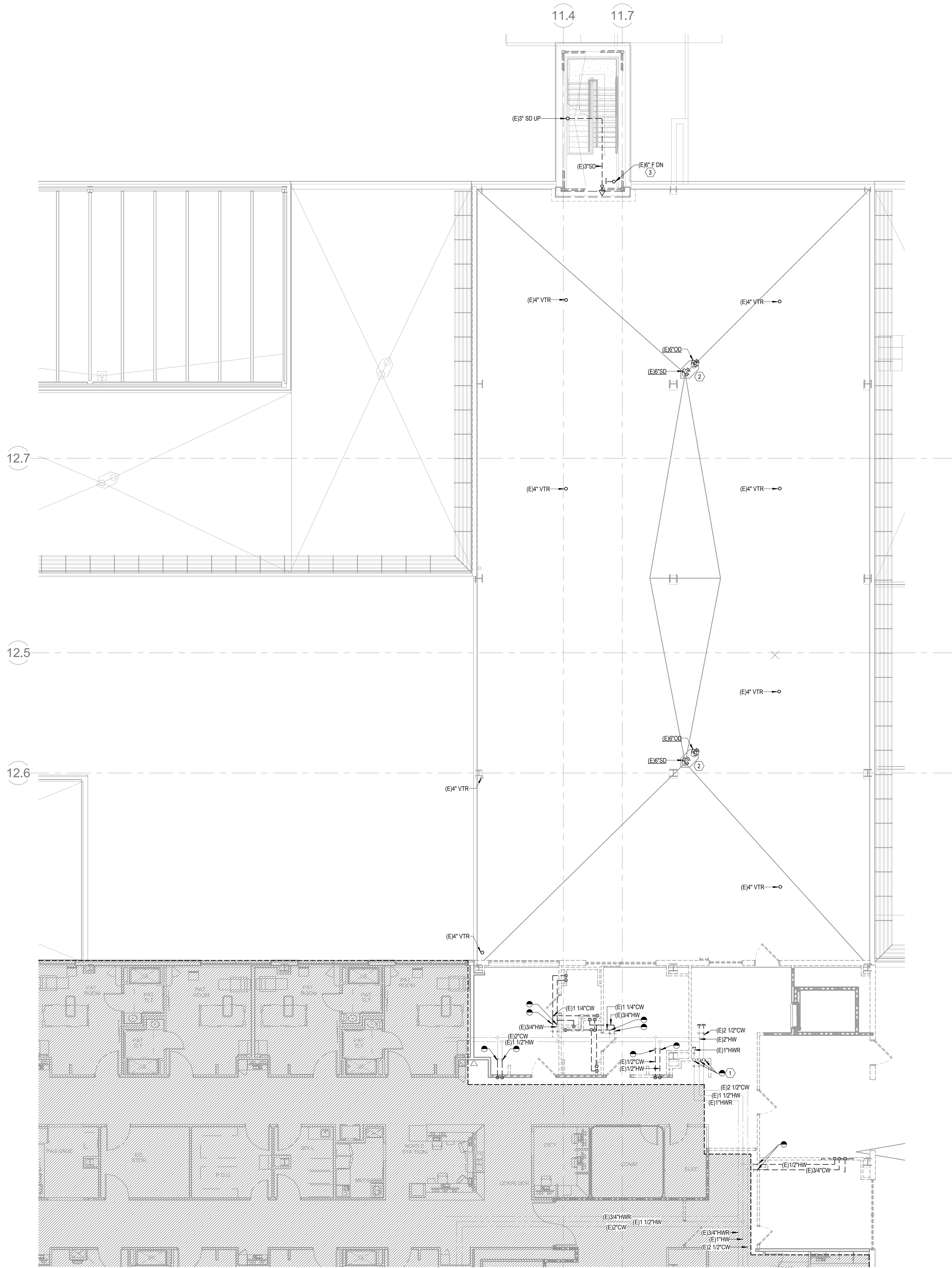
- DEMOLISH EXISTING COLD, HOT AND HOT WATER RETURN PIPING TO BELOW FLOOR.
- REFER TO NEW PLUMBING PLANS FOR NEW VENT ROUTING.
- AUTOMATIC BALANCING VALVE SET TO 1.2 GPM.
- AUTOMATIC BALANCING VALVE SET TO 5 GPM.



1 FLOOR PLAN - LEVEL 03 - SECTOR B PLUMBING
1/8" = 1'-0"

LEVEL 3 - KEY PLAN





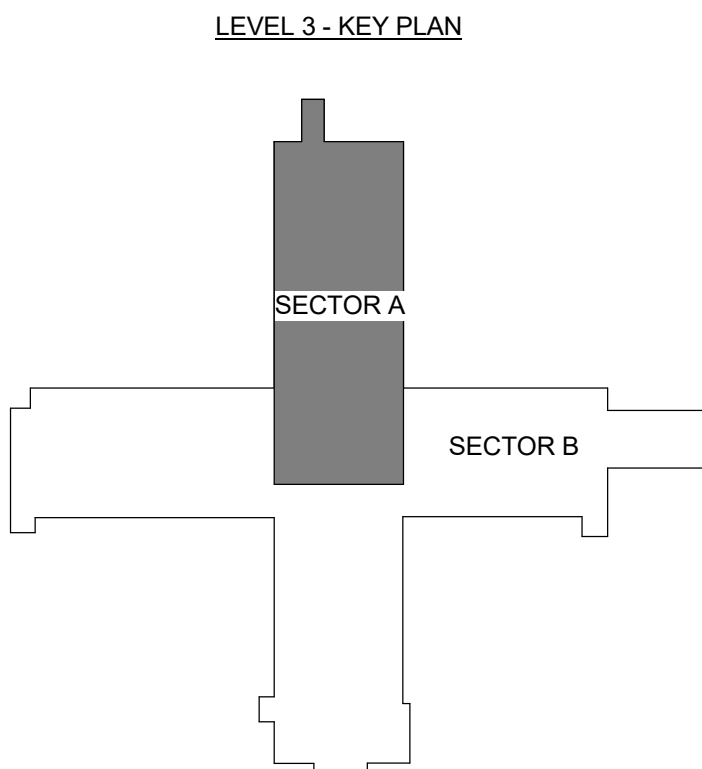
1 DEMOLITION PLAN - LEVEL 03 - SECTOR A PLUMBING
1/8" = 1'-0"

GENERAL NOTES

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

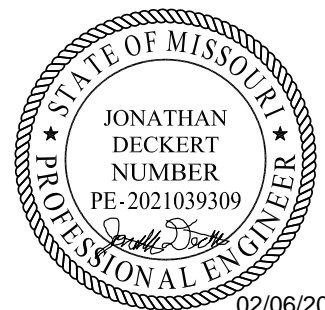
LEGEND NOTES

1. DEMOLISH EXISTING COLD, HOT AND HOT WATER RETURN PIPING TO BELOW FLOOR. REFER TO NEW PLUMBING PLANS FOR NEW VENT ROUTING.
2. DEMOLISH EXISTING ROOF DRAIN AND OVERFLOW DRAIN.
3. DEMOLISH STANDPIPE DOWN TO FLOOR BELOW.



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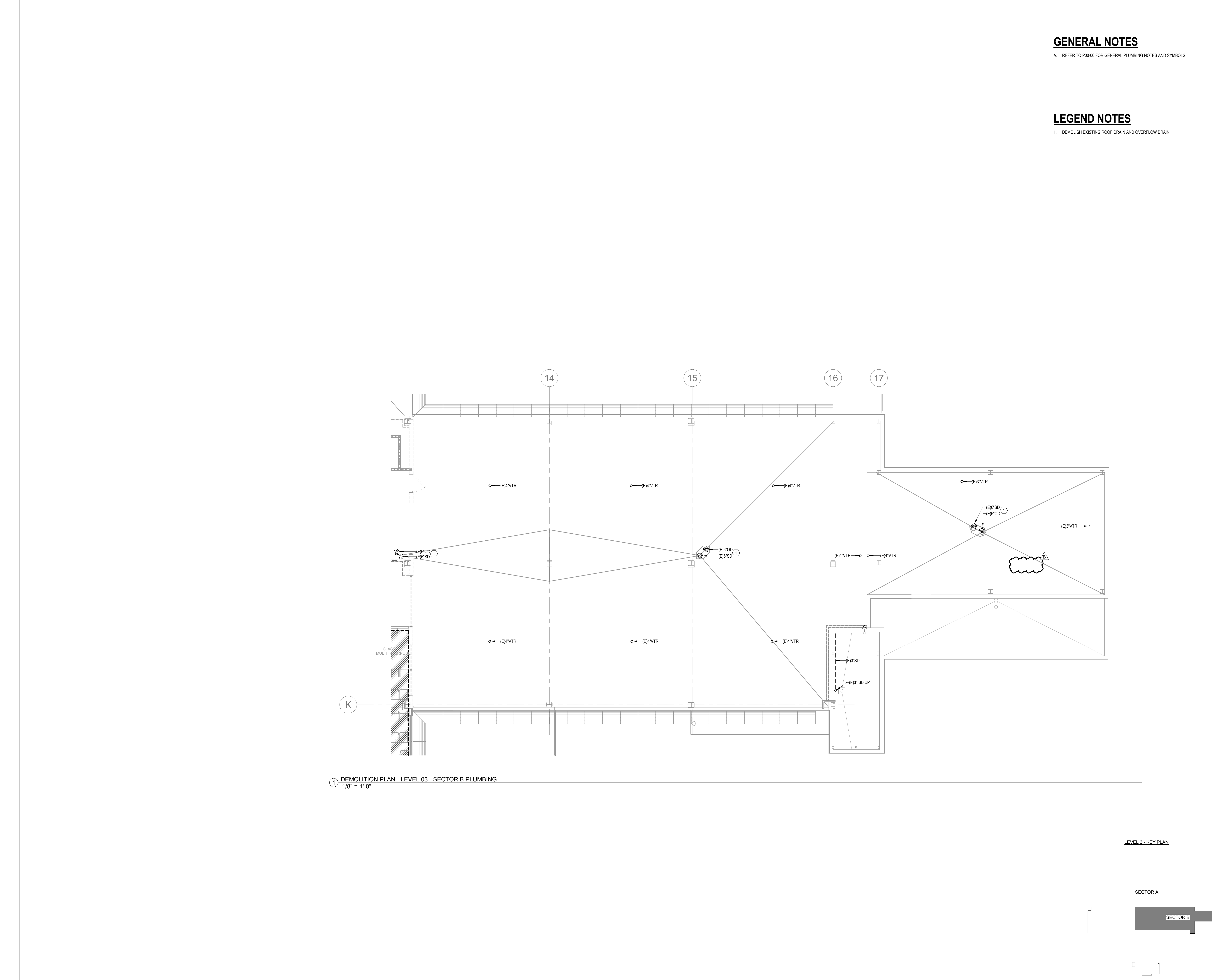
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DEMOLITION PLAN - LEVEL
03 - SECTOR A - PLUMBING

PD02-03A



GENERAL NOTES

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

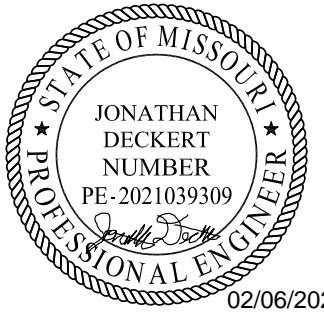
LEGEND NOTES

1. DEMOLISH EXISTING ROOF DRAIN AND OVERFLOW DRAIN.



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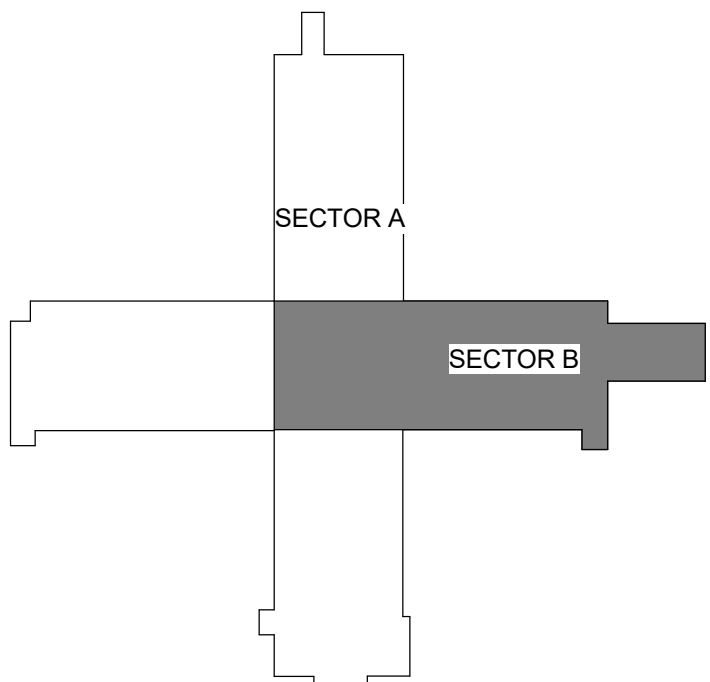
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DEMOLITION PLAN - LEVEL
03 - SECTOR B - PLUMBING

PD02-03B

LEVEL 3 - KEY PLAN



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PLUMBING FIXTURE									
HCA DESIG.	FIXTURE TYPE	SAN/SEWER	VENT	COLD WATER	HOT WATER	DESCRIPTION			
P-101	WATER CLOSET ADA COMPLIANT PUBLIC	4"	2"	1 1/2"	-	WATER CLOSET: ZURN MODEL No. Z5666-BWL1 (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, 10" ROUGHING-IN, LOW CONSUMPTION 1.1 GALLONS PER FLUSH, ELONGATED BOWL, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1 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. PF75SC2P2000WH, WHITE OPEN SEAT FRONT LESS COVER, WITH SELF SUSTAINING CHECK HINGE.			
P-104	WATER CLOSET ADA COMPLIANT PATIENT OFFSET	4"	2"	1 1/2"	-	WATER CLOSET: ZURN MODEL No. Z5666-BWL-BAAM (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, 10" ROUGHING-IN, 1.28 HIGH-EFFICIENCY TOILET, ELONGATED BOWL WITH BED PAN LUGS, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1 1/2" TOP SPUD. FLUSH VALVE: ZURN MODEL No. Z-6011-AV-BWM-WST1 BEDPAN WASHER, 1.6 GPF, EXPOSED, QUIET DIAPHRAGM-TYPE, CHROME PLATED, FLUSHMETER VALVE WITH A POLISHED EXTERIOR, CHLORAMINE RESISTANT, DUAL SEAL DIAPHRAGM WITH CLOG 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 1/2" TOP SPUD. SEAT: PROFLO MODEL No. PF75SC2P2000WH, 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. Z5344 WHITE 20X18 4CC WALL MOUNT WALL MOUNT LAVATORY, VITREOUS CHINA, PUBLIC			
P-304	LAVATORY - WALL HUNG ADA COMPLIANT PATIENT	2"	2"	1/2"	1/2"	LAVATORY: ZURN MODEL No. Z5344 WHITE 20X18 4CC WALL MOUNT WALL HUNG LAVATORY, VITREOUS CHINA, PATIENT FAUCET: ZURN MODEL No. Z81244-XL-FC1.5 SWING GOOSENECK SPOUT, WITH 1.5 GPM FLOW CONTROL IN BASE OF SPOUT, WITH 4" WRISTBLADE HANDLES. STRAINER AND TAILPIECE: PROFLO MODEL No. PF6D101 1-1/4" X 8" CP OFFSET GRID DRAIN AND TAILPIECE P-TRAP: PROFLO MODEL No. PFFTB403 1-1/2" CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND, No. PF203WH TRAP WRAP KIT. STOPS AND RISERS: TWO PFXQAC32C 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 MODEL Z21231 FLOOR MOUNTED CARRIER			
P-402	SINK SINGLE COMPARTMENT ADA COMPLIANT	2"	2"	1/2"	1/2"	SINK: ELKAY MODEL LRAD1919-SS-1 TYPE 304 NICKEL BEARING STAINLESS STEEL, SELF RIMMING, 16-1/2" X 16" X 5-1/2" DEPTH ADA COMPLIANT WITH OFF-CENTERED OUTLET TO THE REAR. BOWL SIZE 16" X 13-1/2" 3-1/2" DRAIN AND "SOUND GUARD" UNDERCOATING. FAUCET: ZURN MODEL No. Z83184-XL-FC 1.5, 8" FIXED CENTERS RIDG OR SWING GOOSENECK SPOUT, WITH 1.5 GPM FLOW CONTROL IN BASE OF SPOUT AND WITH 4" WRISTBLADE HANDLES. STRAINER/TAILPIECE: PROFLO MODEL No. PFVITS CHROME PLATED BRASS 4-1/2" WIDE STRAINER WITH PROFLO PFTFB100 17 GA FLANGED TAILPIECE. P-TRAP: PROFLO MODEL No. PFFTB403 1-1/2 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND. STOPS AND RISERS: TWO PFXQAC32C 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-404	SINK SINGLE COMPARTMENT ADA COMPLIANT	2"	2"	1/2"	1/2"	SINK: ELKAY MODEL LRAD1919-SS-3 TYPE 304 NICKEL 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 16" X 13-1/2" 3-1/2" DRAIN AND "SOUND GUARD" UNDERCOATING. FAUCET: ZURN MODEL No. Z83184-XL-FC 1.5, 8" FIXED CENTERS RIDG OR SWING GOOSENECK SPOUT, WITH 1.5 GPM FLOW CONTROL IN BASE OF SPOUT AND WITH 4" WRISTBLADE HANDLES. STRAINER/TAILPIECE: PROFLO MODEL No. PFVITS CHROME PLATED BRASS 4-1/2" WIDE STRAINER WITH PROFLO PFTFB100 17 GA FLANGED TAILPIECE. P-TRAP: PROFLO MODEL No. PFFTB403 1-1/2 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND. STOPS AND RISERS: TWO PFXQAC32C 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-602	SHOWER (SOLID SURFACE)	2"	2"	1/2"	1/2"	ENCLOSURE: REFER TO ARCHITECT FOR SHOWER ENCLOSURE SPECIFICATION, WALLS, GRAB BAR, SOAP BAR, SOAP DISH, FOLD UP SEAT FURNISHED BY OTHERS. FAUCET: SYMMONS No. S1MB805-PUR-X-221 PRESSURE BALANCING SHOWER VALVE, ADA COMPLIANT, DIVERTER WITH VOLUME CONTROL, INTEGRAL SERVICE STOPS AND LEVER HANDLE. SUPER SHOWER HEAD WITH ARM AND FLANGE, ADA HAND HELD SHOWER, NINE VACUUM BREAKER, 60" HOSE AND 36" SLIDE BAR. INSTALL FAUCET ASSEMBLY OFFSET AS DIRECTED BY THE ADA RULES. DRAIN: 2" SELF CAULKING BRASS SHOWER DRAIN.			
P-705	FLOOR SINK	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZN-1901-KC-2 SANI-FLORE RECEPTOR 12" DIAMETER 8" DEEP CAST IRON BODY ROUND, MEMBRANE FLASHING CLAMP AND ANCHOR FLANGE WITH SEEPAGE HOLES, LIGHT-DUTY 1/2" GRATE WITH SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLE			
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-W2, 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 DAM.			
P-721	FLOOR DRAIN DECON	AS NOTED ON PLANS	-	-	-	ZURN MODEL Z-650-NL-AR-P-Y, ROUND, ACID RESISTANT EPOXY COATED CAST IRON BODY WITH NEO-LOC BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR MEDIUM-DUTY SLOTTED GRATE, SEDIMENT BUCKET AND TRAP PRIMER CONNECTION.			
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-801	WALL HYDRANT EXTERIOR	-	-	3/4"	-	ZURN MODEL Z-131034X8, EXPOSED ANTI-SIPHON NON-FREEZE WALL HYDRANT WITH VACUUM BREAKER AND STAINLESS STEEL FACE, 8" WALL THICKNESS.			
P-802	WALL HYDRANT INTERIOR	-	-	3/4"	-	ZURN MODEL Z-1341-P34-LK-PC, EXPOSED ANTI-SIPHON LOOSE KEY WALL HYDRANT WITH VACUUM BREAKER AND POLISHED CHROME FINISH.			
P-804	ICE MAKER BOX	-	-	1/2"	-	QATEY MODEL 39140 20 GAUGE STEEL ICE MAKER BOX WITH 1/4 TURN BALL VALVE AND WATER HAMMER ARRESTOR, LOW LEAD COMPLIANT.			
P-819	ROOF HYDRANT	-	-	3/4"	-	ZURN MODEL Z-1388XL34ACVB, NON-FREEZE ROOF HYDRANT WITH VACUUM BREAKER AND CASING GUARD.			
P-901	JANITOR SINK AND EYEWASH	3"	2"	3/4"	3/4"	MOP SINK: STERN WILLIAMS #5B-902, 24" X 24" X 12" SQUARE TERRAZZO MOP SINK WITH STAINLESS STEEL CAP, SS RIM GAUROS AND PROFLO PWG24S SS WALL GUARDS FOR 24X24 MOP BASIN FAUCET: SPEAKMAN SEP9000-TW EYEWASH FAUCET AND MIXING VALVE TRAININERTAILPIECE: STERN WILLIAMS TSTC3NH GASKET DRAIN: STERN WILLIAMS STC3NH MOP SINK GASKET FOR CAST IRON PIPE. AT EACH MOP SINK LOCATION PROVIDE A 1/2" REDUCED PRESSURE BACKFLOW PREVENTER (RPZ) ON A HOT WATER LINE ADJACENT TO THE MOP SINK FOR CONNECTION TO A SOAP MACHINE. REFER TO XXPT-JX FOR TYPICAL MOP SINK CONNECTIONS TO SOAP DISPENSER.			

MEDICAL AIR COMPRESSOR SCHEDULE												
Mark	Model Number	HP	System Capacity ²		Package BTU/HR ³	Noise Level ⁴	System FLA			Receiver Size (gallons)	Receiver Height (ft) (inches)	Package Weight (pounds)
			50 psig	110 psig			208V (A)	230B (A)	460V (C)			
MAC-1	PATTON'S MEDICAL 62-33-204(A/B/C)	20	139.2	128	101,868	82	156	143	72	200	89	3,035
<div>Notes:</div> <div>1. Normal Operating conditions at a maximum ambient of 105°F. Consult factory for higher ambient conditions.</div> <div>2. Capacities are shown as NFPA system capacities (reserve compressor on standby) and are shown in Inlet Cubic Feet per Minute (ICFM).</div> <div>3. Package BTU/HR are shown with the reserve compressor on standby.</div> <div>4. Noise levels are shown in dBA with the reserve pump on standby.</div>												

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Consultant:

wsp

WSP USA Buildings Inc. 2013001881

STATE OF MISSOURI
JONATHAN
DIX KIRK
NUMBER
PE: 2021039369
Q
WSP USA Buildings Inc. 2013001881

02/06/2025

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INPATIENT BED
EXPANSION

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05

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

DRAWN: CD

REVIEWED: LW

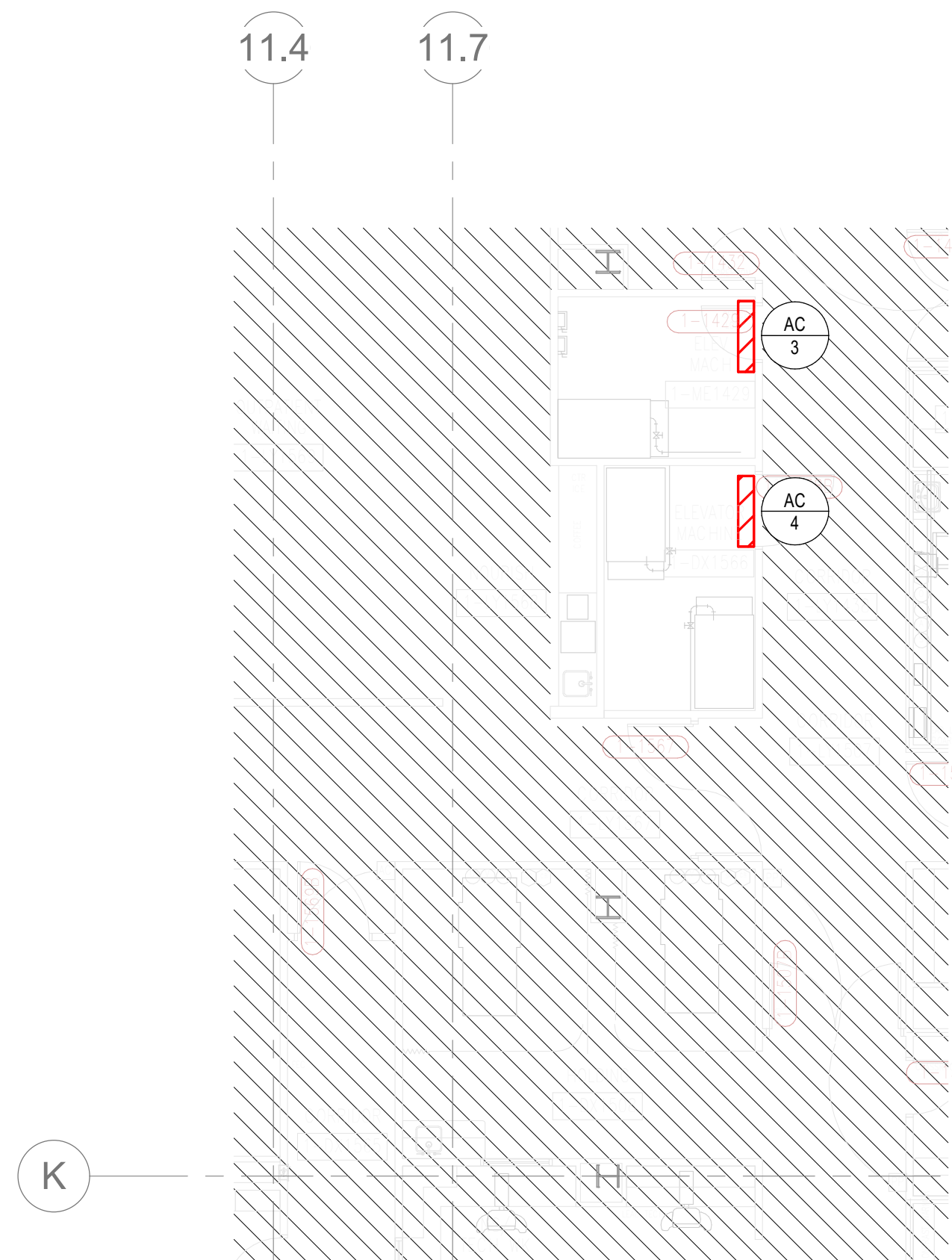
JOB NUMBER: 6406.24

SCHEDULES - PLUMBING

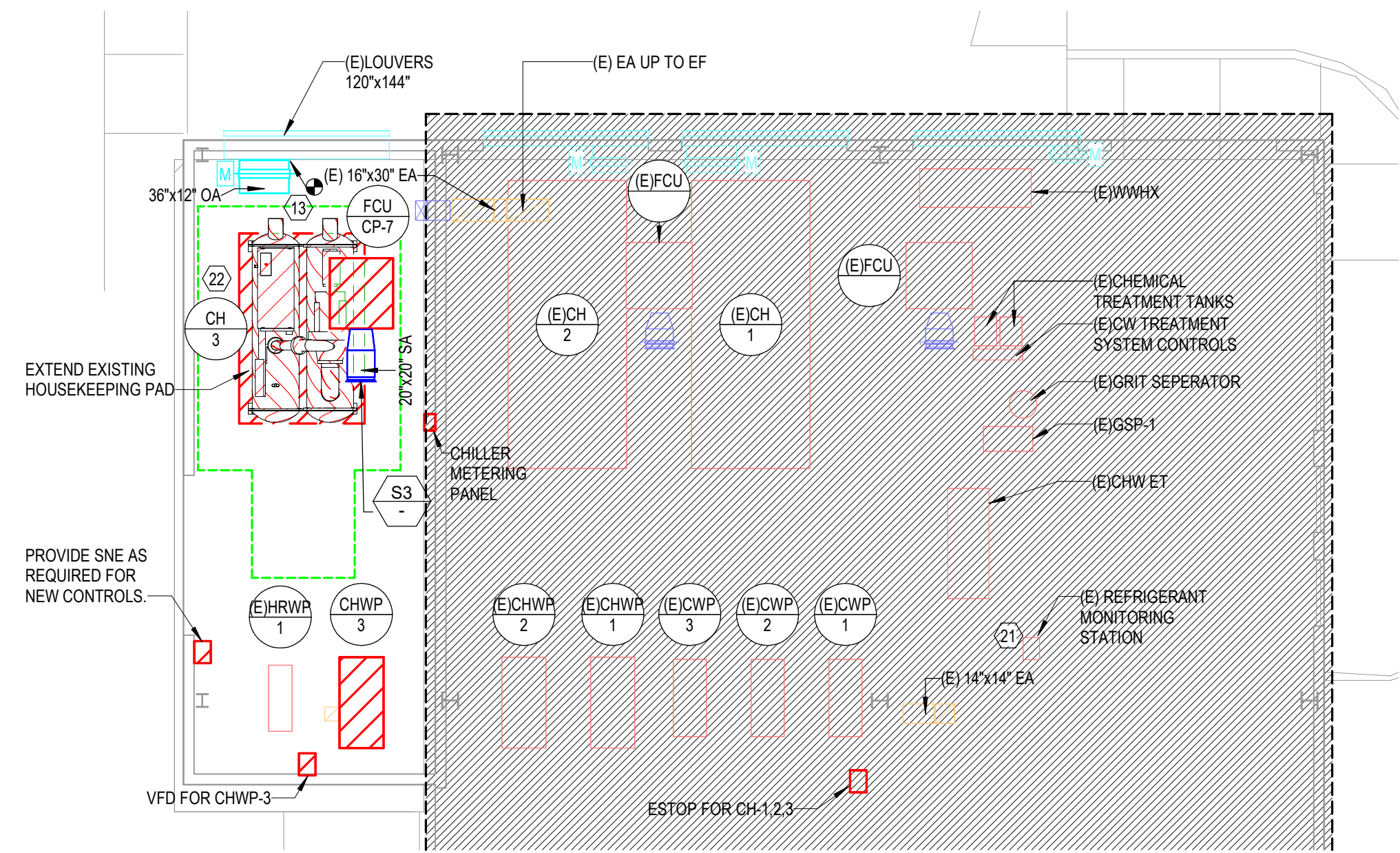
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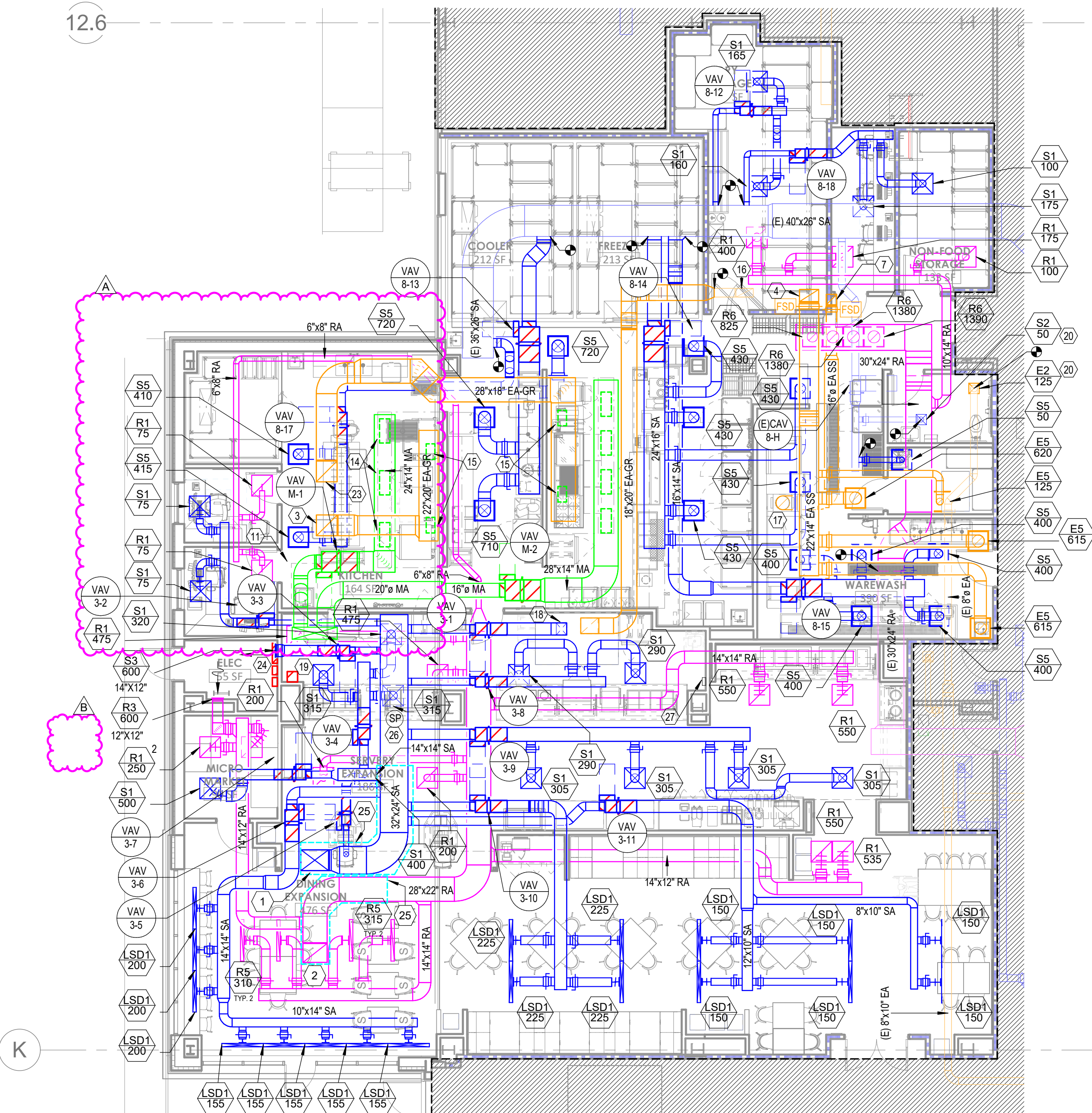
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1 FLOOR PLAN - LEVEL 01 - SECTOR D - HVAC
1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 01 - SECTOR C - HVAC
1/8" = 1'-0"



3 FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - HVAC
1/8" = 1'-0"

GENERAL NOTES

- REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
- ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
- CONTRACTOR SHALL PROVIDE TEMPORARY EXHAUST FANS FOR ALL EXHAUST SYSTEMS BEING MODIFIED BY THIS PROJECT. COORDINATE TEMPORARY EXHAUST, PHASING, AND ROOM SHUTDOWN REQUIREMENTS WITH OWNER.

LEGEND NOTES

- 32"x24" SA DUCT UP TO RTU-3 ON ROOF.
- 28"x22" RA DUCT UP TO RTU-3 ON ROOF.
- 24"x24" EA DUCT UP TO KEF-2. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
- 22"x14" STAINLESS STEEL EA DUCT UP TO KEF-3.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- 52"x14" MA DUCT UP TO MAU-1.
- NOT USED.
- 36"x12" DUCT WITH MOTORIZED DAMPER. PROVIDE SHEET METAL TO COVER REMAINDER OF LOUVER OPENING. CONNECT MOTORIZED DAMPER TO REFRIGERANT MONITORING SYSTEM TO BE CONTROLLED THE SAME AS EXISTING LOUVER DAMPERS.
- CONNECT MAKE UP AIR TO KITCHEN HOOD. PROVIDE DUCT SIZE AND BALANCE CFM.
- CONNECT GREASE EXHAUST TO KITCHEN HOOD. PROVIDE DUCT SIZE AND BALANCE CFM.
- 10"x20" EXISTING EA DUCT UP TO NEW KEF-4. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
- CONNECT STAINLESS STEEL EXHAUST TO DISHWASHER.
- 1000 CFM OF MAKEUP AIR TO KITCHEN HOOD. CONNECT TO EXISTING MAKEUP AIR CONNECTION.
- RELOCATED EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM.
- BALANCE NEW DIFFUSER/GRILLE TO CFM SHOWN.
- MODIFY OR RECALIBRATE REFRIGERANT MONITORING STATION AS NEEDED FOR NEW SENSOR AT CH-3.
- CONNECT CH-3 TO EXISTING REFRIGERANT MONITORING ALARM SYSTEM. PROVIDE NEW HORNS AND STROBES.
- 24"x24" EA DUCT UP TO KEF-1. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
- VFDs FOR KEF-1, KEF-2, KEF-4, AND KEF-5. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND LABELS.
- PROVIDE SOUND LAGGING FOR 15' OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO RTU AS SHOWN WITH DASHED LINE. REFER TO DETAIL 01M07-02.
- PROVIDE STATIC PRESSURE SENSOR FOR RTU-3.
- PROVIDE EPO BUTTON FOR RTU-3.

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Consultant:

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STATE OF MISSOURI
JONATHAN
DICKERT
NUMBER
PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025

WSP USA Buildings Inc. 2013001881

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

AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 1 -
SECTOR A - KITCHEN,
SERVERY & DINING - HVAC

M02-01



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FLOOR PLAN - LEVEL 03 -
SECTOR B HVAC

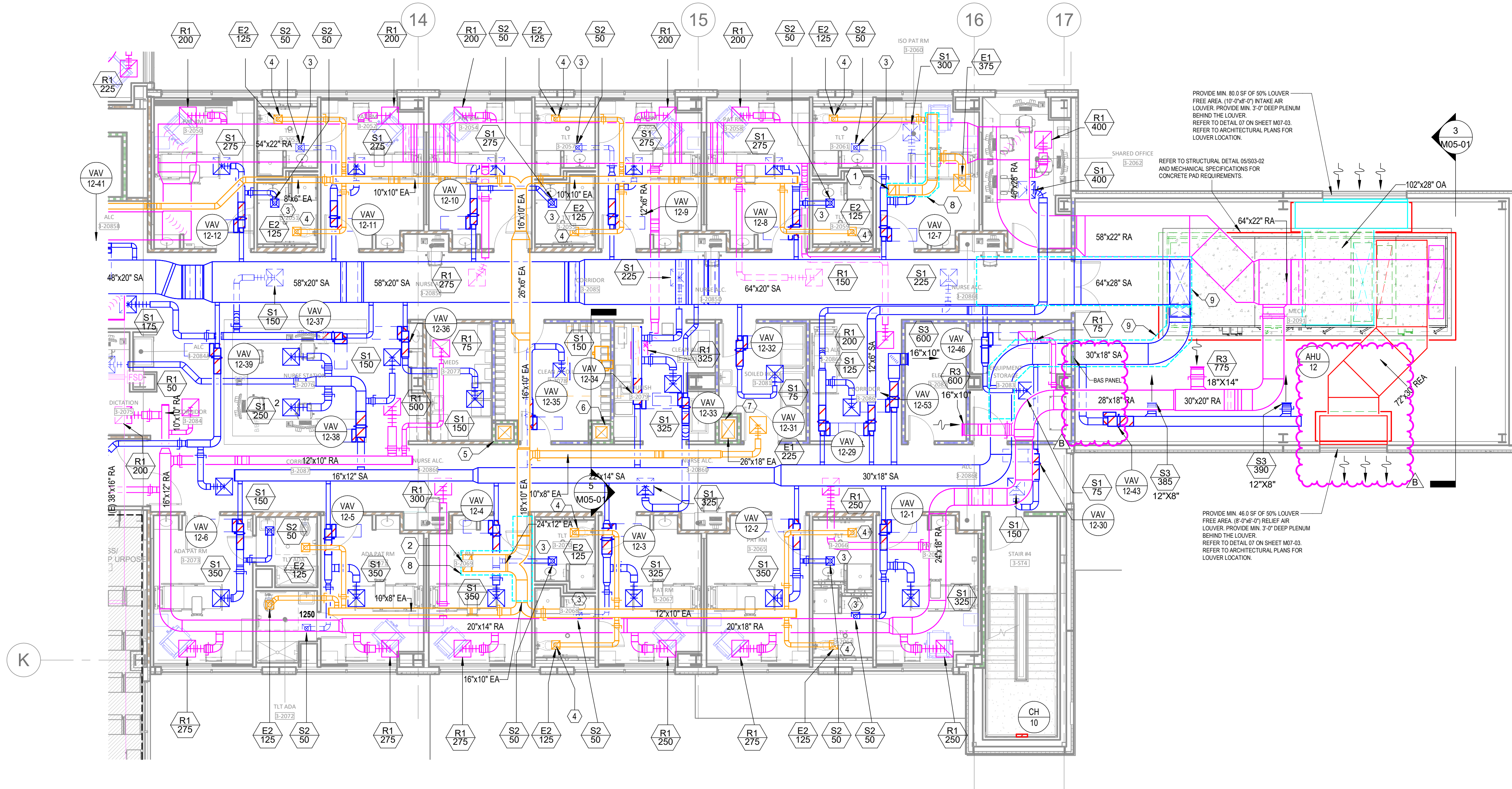
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GENERAL NOTES

- REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
- ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
- CONTRACTOR SHALL PROVIDE TEMPORARY EXHAUST FANS FOR ALL EXHAUST SYSTEMS BEING MODIFIED BY THIS PROJECT. COORDINATE TEMPORARY EXHAUST, PHASING, AND ROOM SHUTDOWN REQUIREMENTS WITH OWNER.

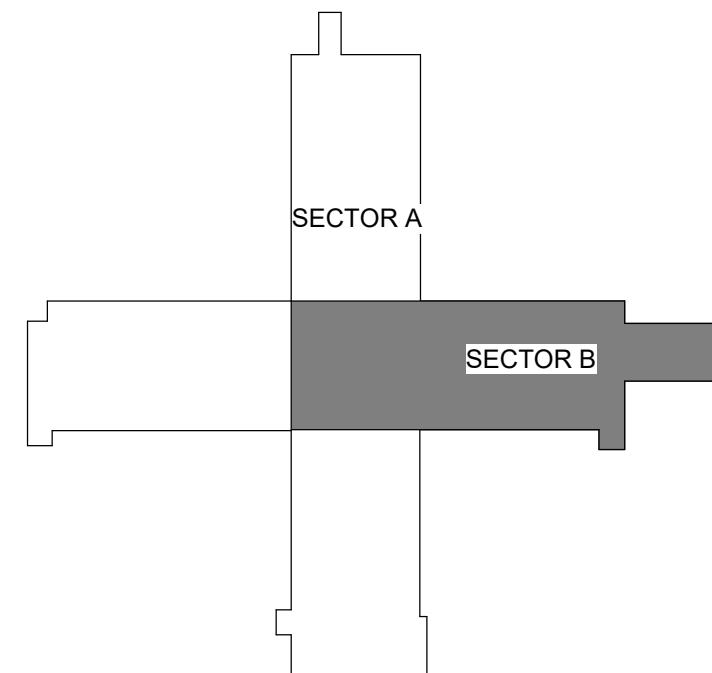
LEGEND NOTES

- 14"x10" ISO EA DUCT UP TO IEF-02 ON ROOF.
- 24"x12" EA DUCT UP TO GEF-36 ON ROOF.
- CONNECT SUPPLY TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
- CONNECT EXHAUST TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
- 18"x18" EA DUCT UP TO GEF-13 ON ROOF.
- 16"x16" EA DUCT UP TO GEF-1 ON ROOF.
- 20"x18" EA DUCT UP TO GEF-2 ON ROOF.
- PROVIDE SOUND LAGGING FOR 15" OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO EXHAUST FAN AS SHOWN WITH DASHED LINE. REFER TO DETAIL 01M07-02.
- PROVIDE SOUND LAGGING FOR 25" OF HORIZONTAL DUCT AND VERTICAL DUCT DOWN TO AHU AS SHOWN WITH DASHED LINE.

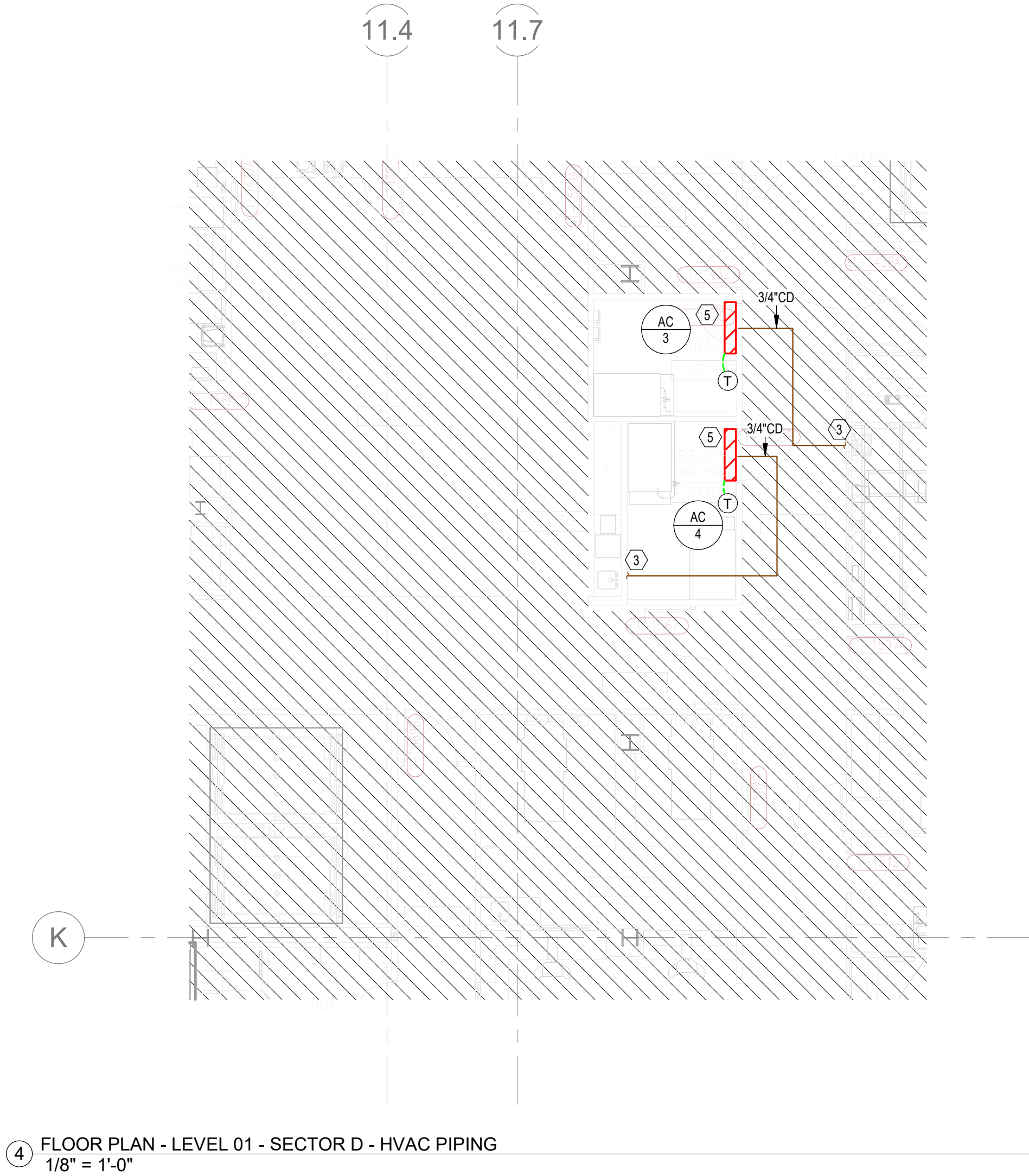


1 FLOOR PLAN - LEVEL 03 - SECTOR B HVAC
1/8" = 1'-0"

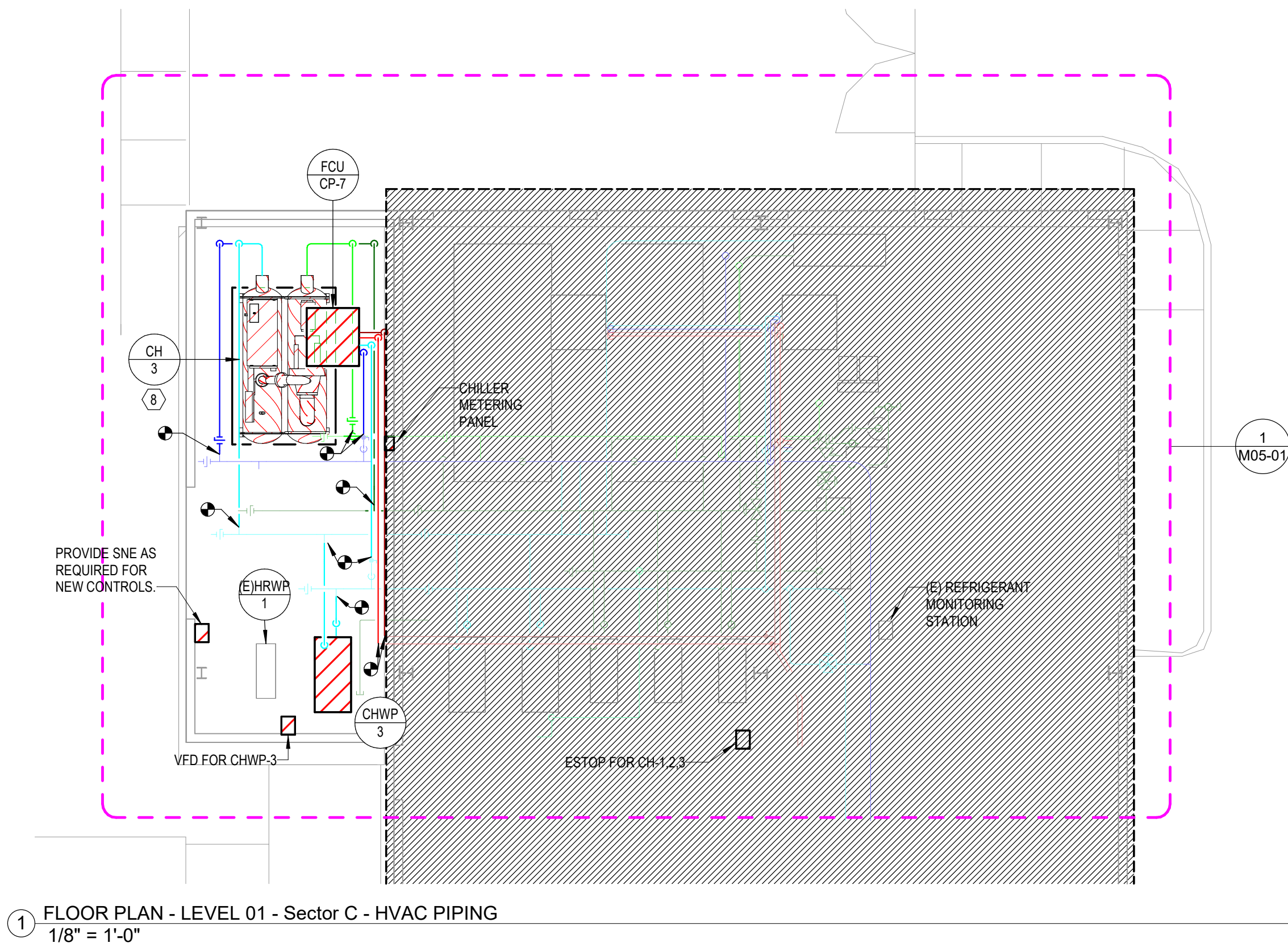
LEVEL 3 - KEY PLAN



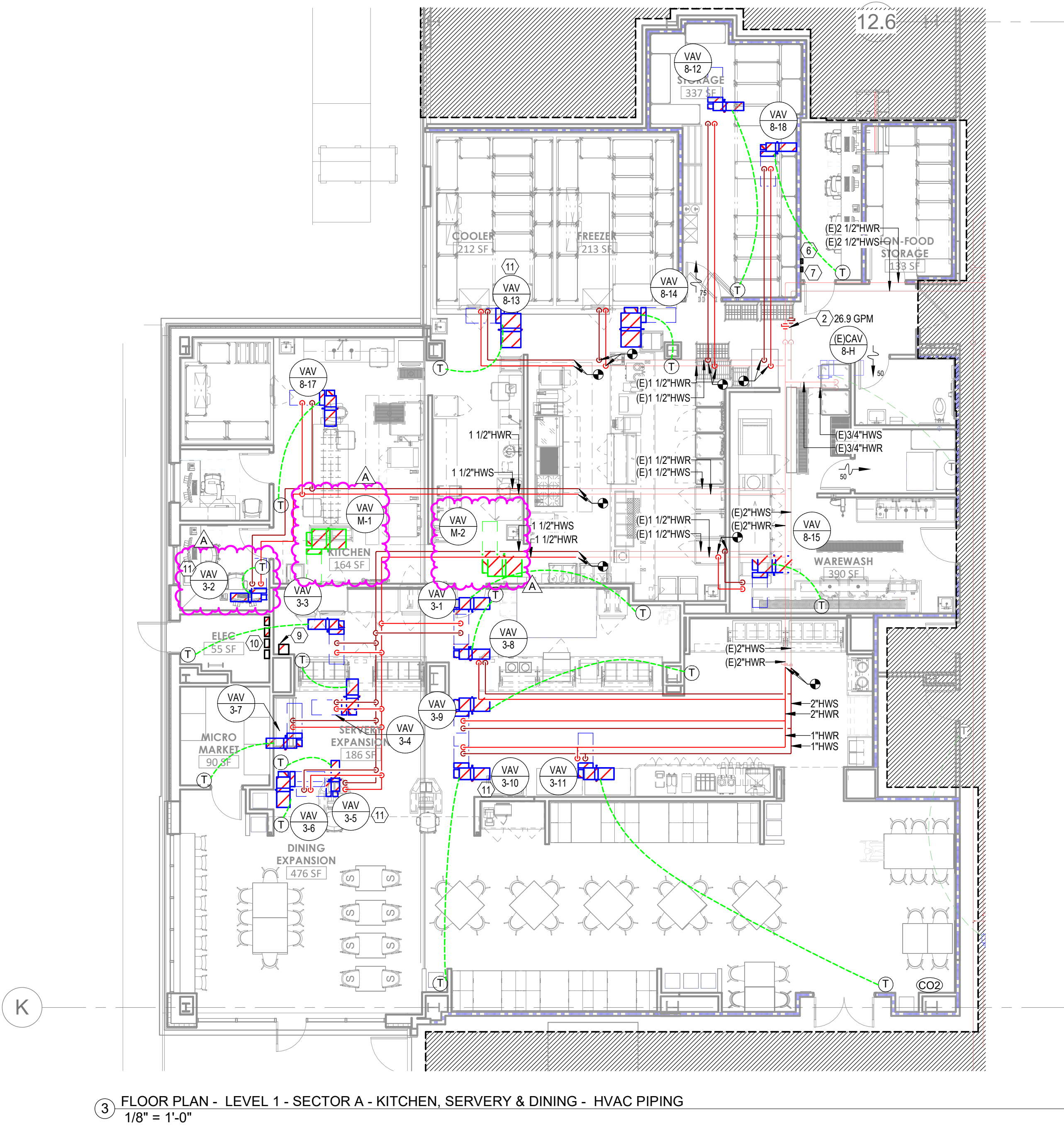
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4 FLOOR PLAN - LEVEL 01 - SECTOR D - HVAC PIPING
1/8" = 1'-0"



1 FLOOR PLAN - LEVEL 01 - Sector C - HVAC PIPING
1/8" = 1'-0"



3 FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - HVAC PIPING
1/8" = 1'-0"

GENERAL NOTES

- REFER TO M04-00 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND LEGENDS.
- ALL EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE BASED UPON A COMBINATION OF AVAILABLE RECORD DESIGN AND AS-BUILT DOCUMENTS.
- PROVIDE CEILING ACCESS PANELS FOR ALL EQUIPMENT, COILS, ETC. THAT ARE LOCATED ABOVE HARD CEILINGS UNLESS NOTED OTHERWISE.

LEGEND NOTES

- NOTE NOT USED.
- DIFFERENTIAL PRESSURE CONTROL STATION BALANCED TO GPM INDICATED. REFER TO DETAIL (SMBD) 03.
- ROUTE 3/4" CONDENSATE DRAIN DOWN IN WALL AND DISCHARGE TO LAVATORY TAILPIECE WITH AIR GAP. PROVIDE ESCUTCHEON AT WALL PENETRATION.
- NOT USED.
- SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURER'S INSTRUCTIONS UP TO CONDENSING UNIT ON ROOF.
- EPO SWITCH FOR NEW RTU-3.
- EPO SWITCH FOR NEW MAU-1.
- REFER TO CHILLER INSTALLATION DETAIL.
- RELOCATED EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM.
- VFDS FOR KEF-1, KEF-2, KEF-4, AND KEF-5. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND LABELS.
- PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.

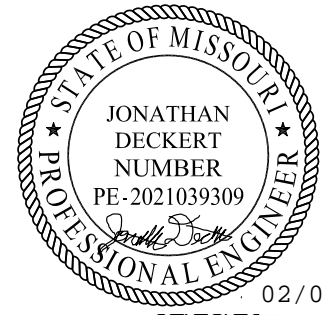


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02/06/2025
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FLOOR PLAN - LEVEL 1 -
SECTOR A - KITCHEN,
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PIPING

M03-01

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02/06/2025
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INPATIENT BED EXPANSION

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 03 -
SECTOR B HVAC PIPING

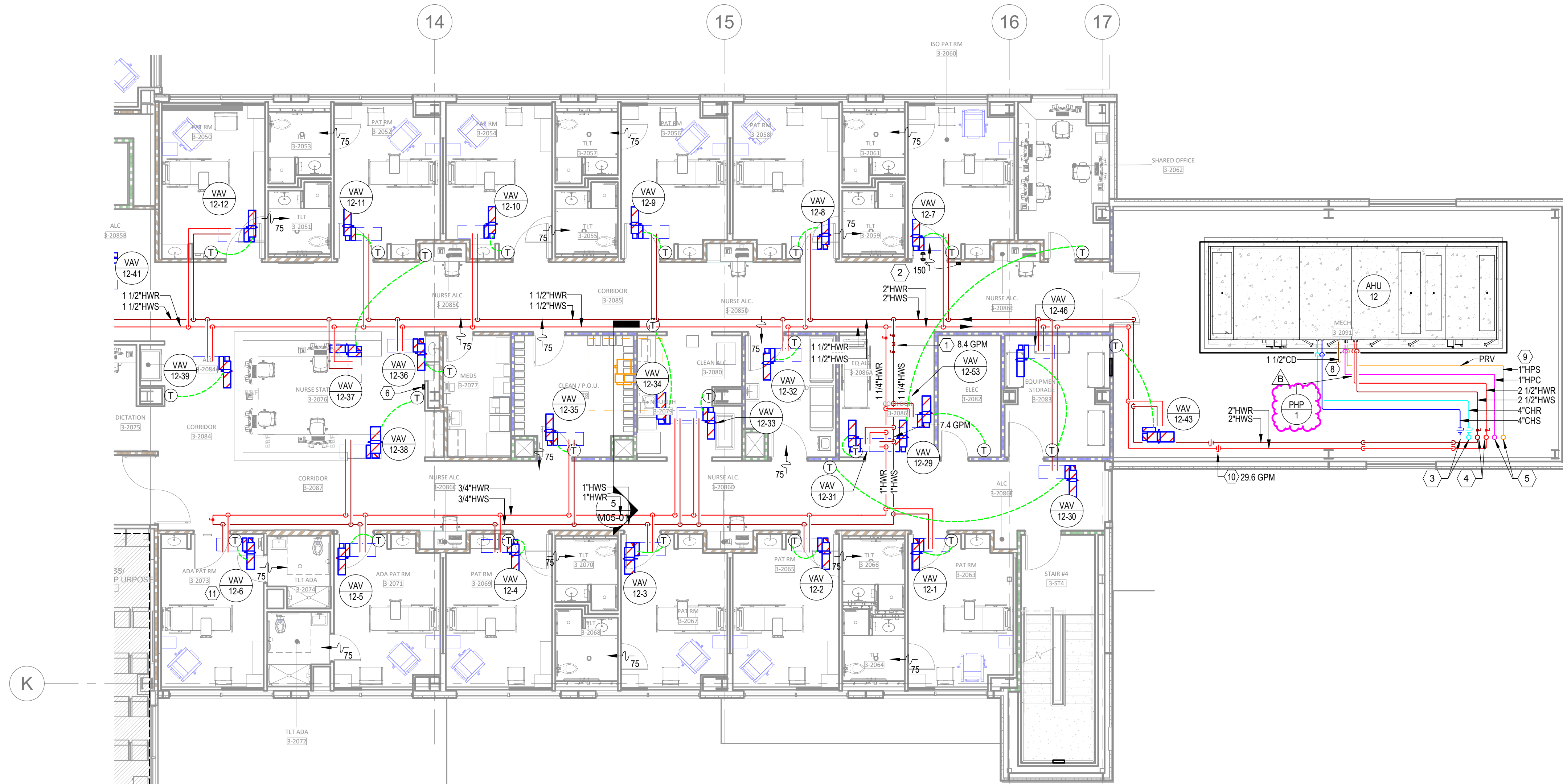
M03-03B

GENERAL NOTES

- REFER TO M00-00 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND LEGENDS.
- ALL EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE BASED UPON A COMBINATION OF AVAILABLE RECORD DESIGN AND AS-BUILT DOCUMENTS.
- PROVIDE CEILING ACCESS PANELS FOR ALL EQUIPMENT, COILS, ETC. THAT ARE LOCATED ABOVE HARD CEILINGS UNLESS NOTED OTHERWISE.

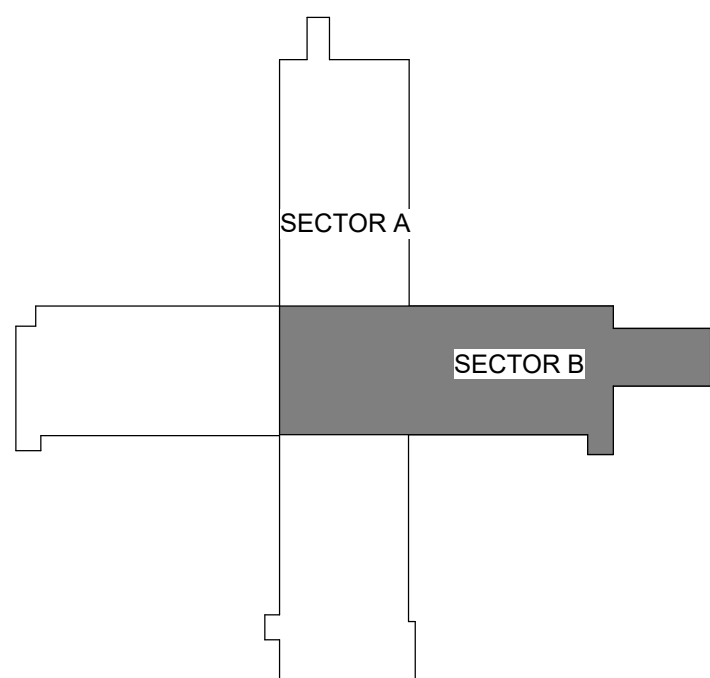
LEGEND NOTES

- CALIBRATED ORIFICE BALANCING VALVE BALANCED TO GPM INDICATED.
- 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 SENSORS, PRESSURE MONITOR, PRESSURE CABLE, TRANSFORMER CABLE AND TRANSFORMER.
- 6" CHSR PIPING FROM FLOOR BELOW. VALVE & CAP PIPING BELOW ROOF FOR FUTURE USE.
- 4" HWSR PIPING FROM FLOOR BELOW. VALVE & CAP PIPING BELOW ROOF FOR FUTURE USE.
- 1" HPS AND 1-1/2" HPCR FROM FLOOR BELOW. VALVE & CAP PIPING BELOW ROOF FOR FUTURE USE.
- PROVIDE BRO SWITCH NOR NEW AHU-12.
- TERMINATE AND AIR GAP CONDENSATE ABOVE FLOOR SINK LOCATED IN MECH ROOM 3.2091.
- PROVIDE PRV FOR STEAM LINE SERVING HUMIDIFICATION SECTION. REFER TO DETAIL 05M07-01.
- DIFFERENTIAL PRESSURE CONTROL STATION BALANCED TO GPM INDICATED. REFER TO DETAIL 05M07-03.
- PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.



1 FLOOR PLAN - LEVEL 03 - SECTOR B HVAC PIPING
1/8" = 1'-0"

LEVEL 3 - KEY PLAN



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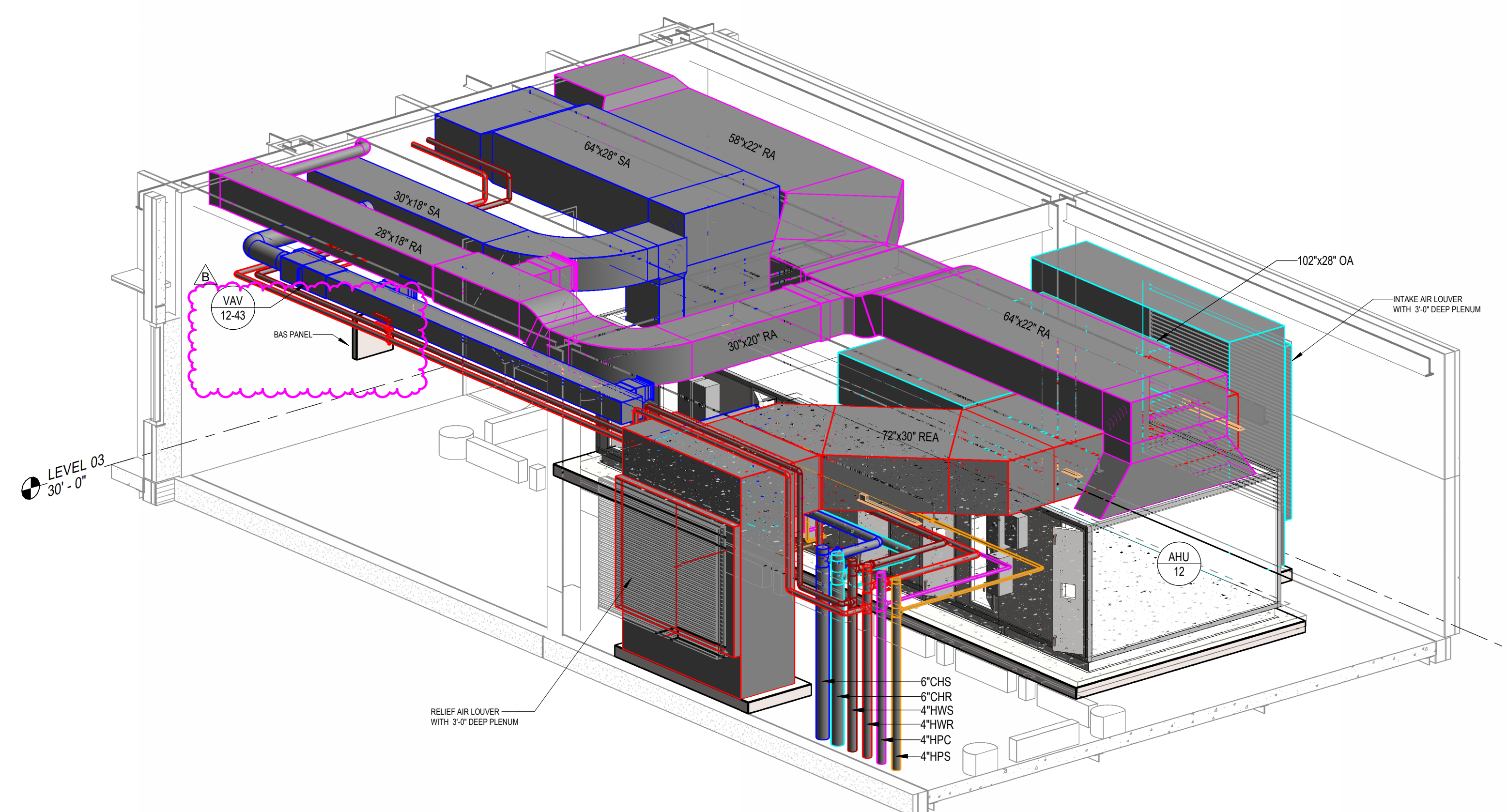
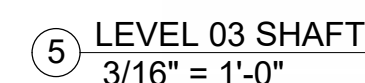
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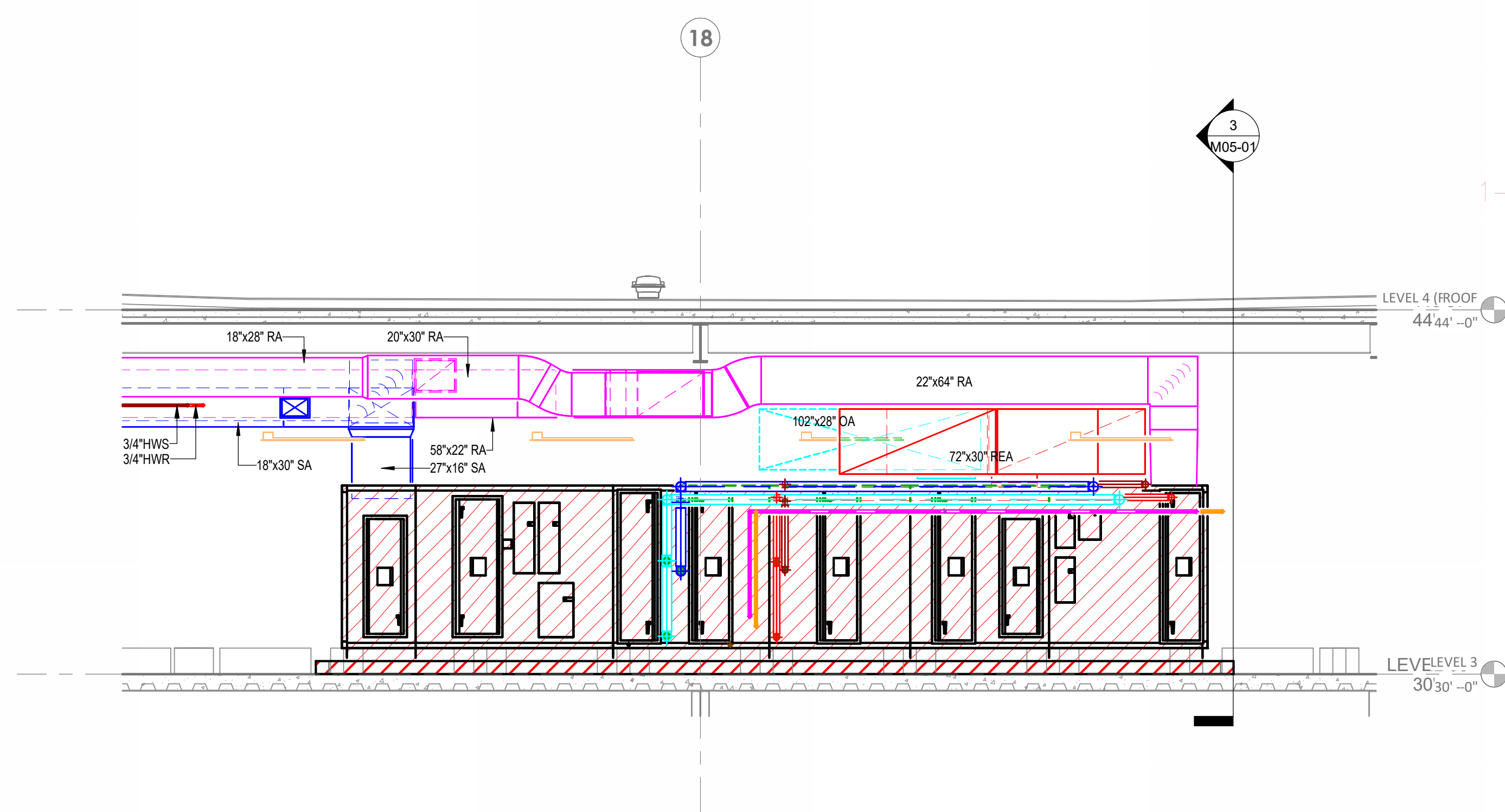
ENLARGED PLAN -
MECHANICAL

M05-01

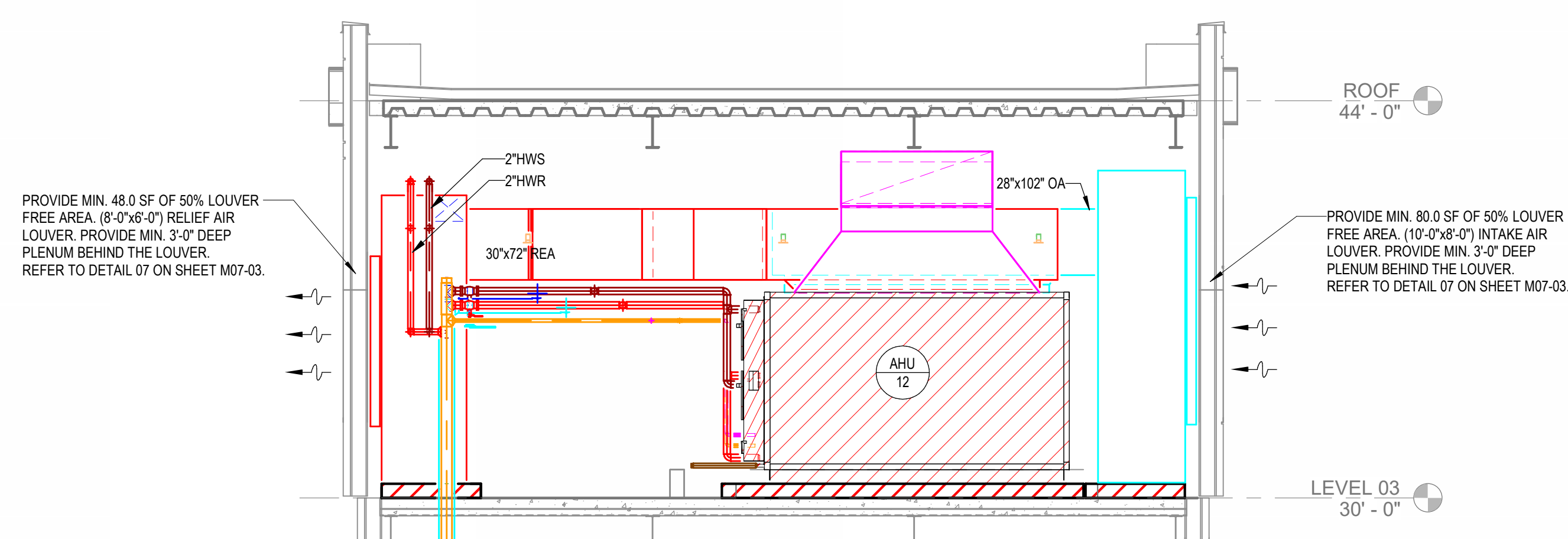
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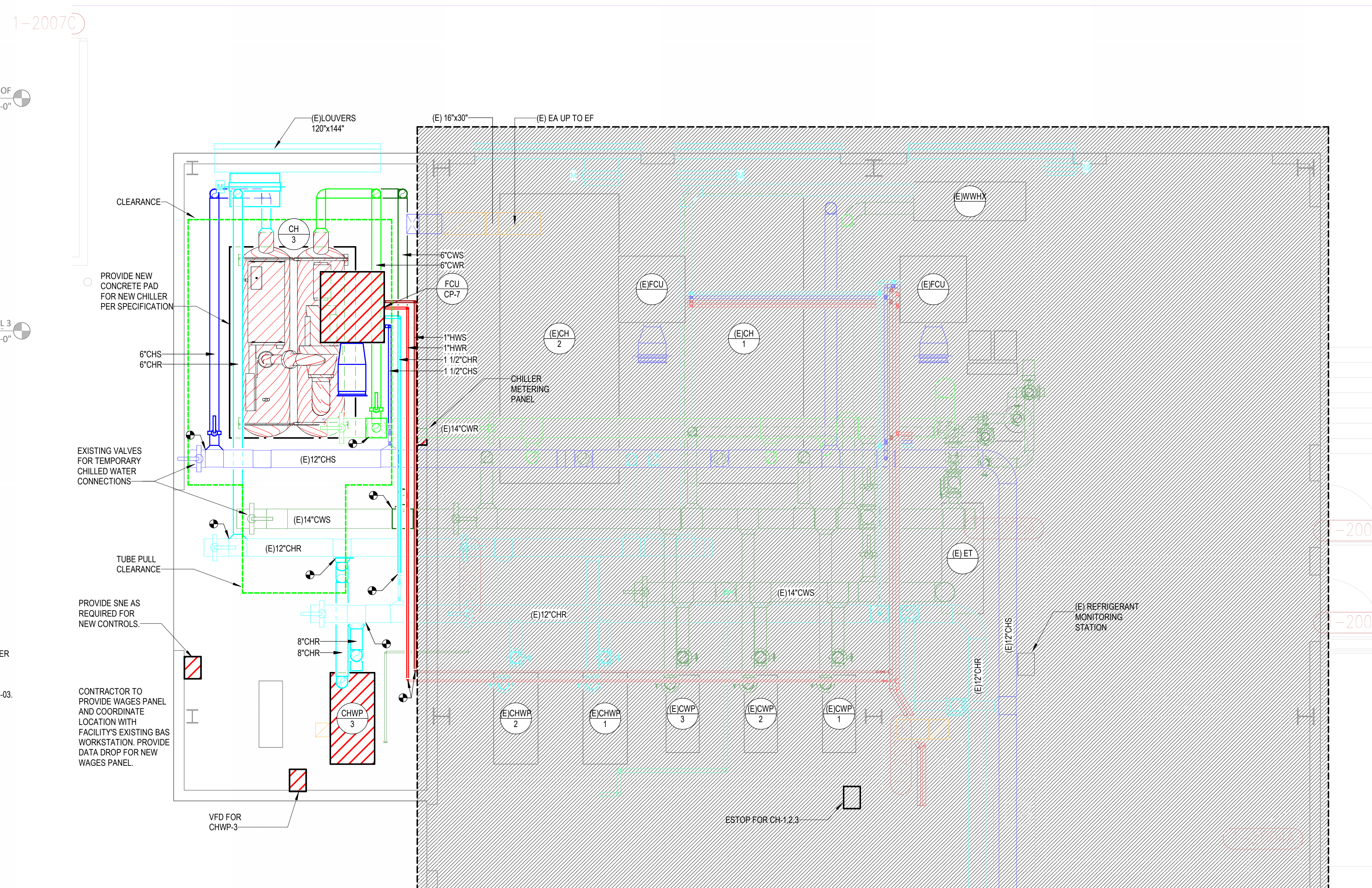
② MECH ROOM 3D VIEW



4 MECH ROOM - SECTION 2
1/4" = 1'-0"



③ MECH ROOM - SECTION 1
1/4" = 1'-0"

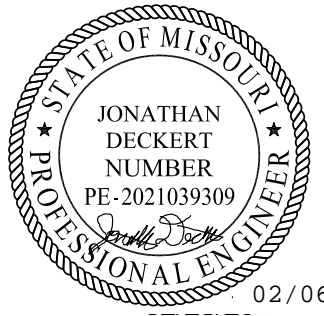


① FLOOR PLAN - ENLARGED CENTRAL PLANT
1/4" = 1'-0"



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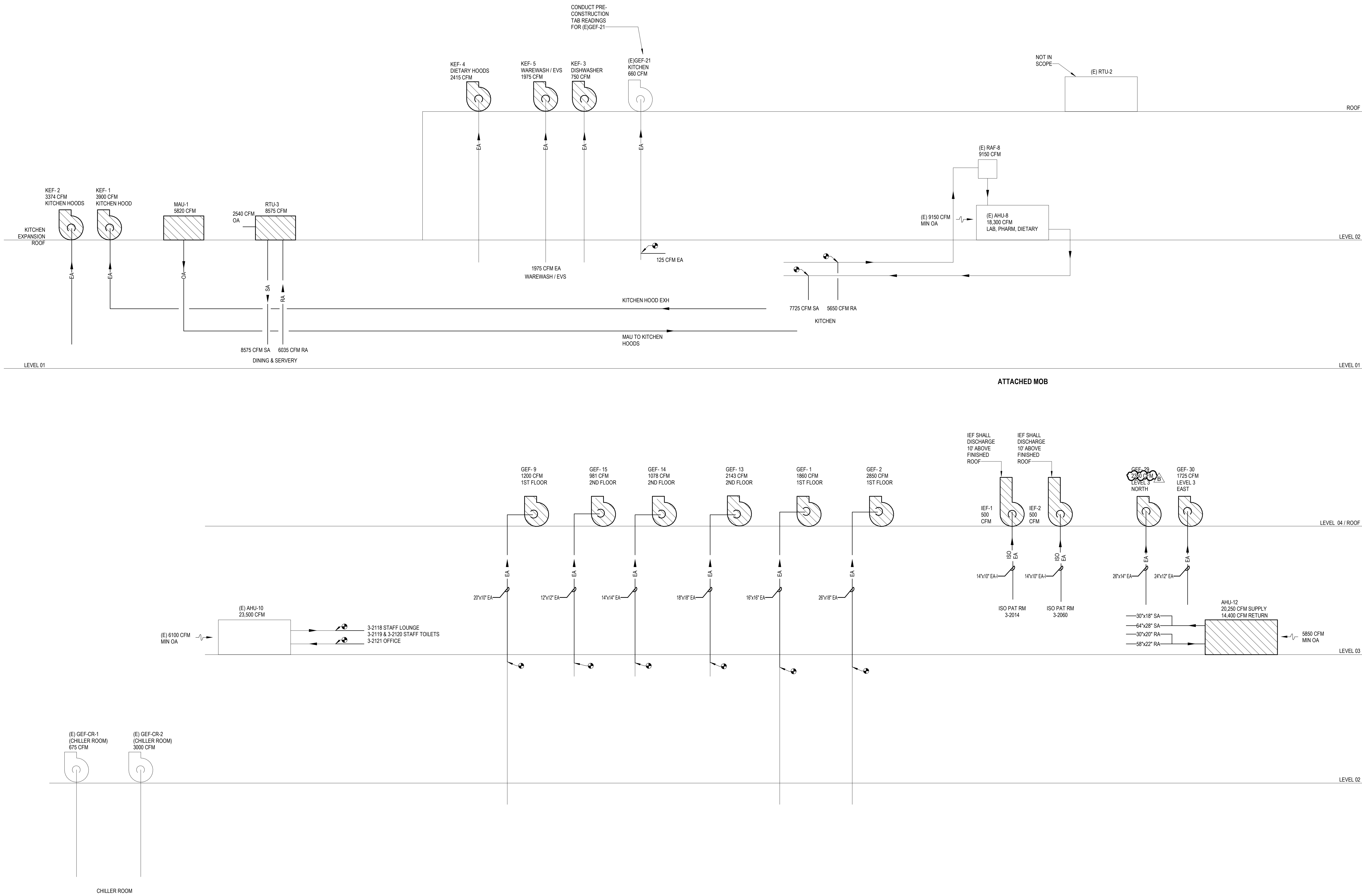
AGENCY APPROVALS:

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RISER DIAGRAM -
MECHANICAL

M06-01



2/6/2025 4:18:51 PM Autodes Docx/6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23/MEP - LMC Med Surg & Dietary Expansion_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.

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
S3	SEE PLANS	NO	WHITE	ADJ.	FULL SIZE	25	PRICE / 610Z	SIDEWALL SUPPLY GRILLE
S5	24"X24"	NO	WHITE	DOWN	NOTE 1	25	PRICE / PDS	ALUMINUM PERFORATED FACE SUPPLY DIFFUSER
LSD1	48" LONG, (2) 1" SLOTS	45	WHITE	VERTICAL, HORIZONTAL	-	25	TITUS / ML-39	CEILING LINEAR SLOT SUPPLY AIR DIFFUSER / 2,3
R1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / SPD	CEILING RETURN GRILLE
R3	SEE PLANS	NO	WHITE	-	FULL SIZE	25	PRICE / 610Z	SIDEWALL RETURN GRILLE
R5	48" LONG, (2) 1" SLOTS	NO	BLACK	-	NOTE 1	25	PRICE / SDR100, (2) SLOT	CEILING SLOT DIFFUSER / 4,6
R6	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / PDR	ALUMINUM PERFORATED FACE RETURN DIFFUSER
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
E5	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / PDR	ALUMINUM PERFORATED FACE EXHAUST DIFFUSER
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 2. GRILLE SHALL BE DOUBLE DEFLECTION TYPE WITH TWO SETS OF ADJUSTABLE BLADES ORIENTED PERPENDICULAR TO EACH OTHER.								

MAKEUP AIR UNIT NATURAL GAS-DX COOLING SCHEDULE	
MARK	MAU-1
SERVES	KITCHEN HOODS
SUPPLY FAN	DESIGN CFM (1250 FT. ELEVATION)
	5820
	E.S.P./T.S.P. (W/G)
	2 / 2.58
SUPPLY FAN	FAN TYPE/SIZE
	DIRECT DRIVE BACKWARD CURVED ALUMINUM24"
	FAN MOTOR HP (MIN.)
GAS HEATING DATA	5
	POWER (V/PH/Hz)
	460/3
GAS HEATING DATA	TYPE / NO. OF STAGES / POSITION
	NATURAL GAS INDIRECT FIRED / FULL MODULATION / 10:1 TURNDOWN / DRAW-THROUGH
	EAT °F / LAT °F
	-789.2
COOLING COIL DATA	CAPACITY MBH OUTPUT (MIN)
	480
	MBH INPUT (MAX)
	600
COOLING COIL DATA	EFFICIENCY (MIN)
	-
	TYPE COIL / W x H (INCHES) / SQ FT / POSITION
	DX/ 45 SF / DRAW-THROUGH
COOLING COIL DATA	CFM
	5820
	MAX. FACE VEL. (FPM) / MAX. AIR P.D. (W/G)
	129.3/0.11
OUTSIDE AIR CFM (MIN/MAX)	TOTAL / SENS / LAT (MBH) (MIN)/SHR
	491.4/296.2/196.2/0.60
	EAT °F DB/WB
	102/78
WEIGHT (LBS.) / OPERATING	DX COIL LAT °F DB/WB & GAS BYPASS COIL LAT °F DB
	51.0/50.9 & 68
	MIN. ROWS/MAX. FINS PER INCH
	6/14
FILTER DATA	OUTSIDE AIR CFM (MIN/MAX)
	5820/5820
	TYPE / THICKNESS
	PLEATED / 4" THICK
ELECTRICAL	MINIMUM EFFICIENCY (%)
	MERV 8
	MAX. VELOCITY (FPM)
	181.9
ELECTRICAL	P.D. (CLEANDIRTY) (IN WC)
	0.04/0.35
	MCA
	83
ELECTRICAL	MOCF
	90
	V / PH
	460 / 3
W x H x L (MAXIMUM)	
100.25" X 101.75" X 161.5"	
BASED ON MANUFACTURER/MODEL #	
AAON RNA-040-D-A-3-HABBB-CB2L0	
NOTES	
ALL	

- NOTES:
- FURNACE: 499 STAINLESS STEEL CONSTRUCTION. CONDENSATE DRAIN CONNECTION.
 - UNIT SHALL INCLUDE HOT GAS BYPASS COMPONENT.
 - MAIN POWER AND CONTROL PANEL WITH DISCONNECT SWITCH AND SINGLE-POINT POWER CONNECTION SERVING ALL ELECTRICAL ITEMS INCLUDING CONTROLS AND LIGHT FIXTURES.
 - STAINLESS STEEL COIL, DRAIN PAN AND COIL CASING.
 - VAPORTIGHT LED LIGHT FIXTURE IN EACH ACCESSIBLE SECTION.
 - FULL PERIMETER STEEL INSULATED ROOF CURB, MINIMUM 30" HIGH, NO CANT, INSULATED, LEVEL TOP.
 - PROVIDE SOUND BLANKETING, MANUFACTURER'S REFRIGERANT DETECTION SYSTEM, AND POSITIVE AIRFLOW SWITCH FOR GAS BURNER.
 - SCCR: 10k

AIR HANDLING UNIT - SCHEDULE	
MARK	AHU-12
SERVES	LEVEL 3 NORTH AND EAST WINGS
SUPPLY FAN	CFM (AHU TOTAL SA)
	22000
	BALANCE CFM
	20250
RETURN FAN	ESP / TSP (W/C)
	2.5/06.51
	FAN MOTOR QTY / HP (MIN)
	2 / 20 HP
COOLING COIL DATA	FAN MOTOR BHP
	15.30 BHP
	(VOLTS/PHASE)
	460/3
COOLING COIL DATA	FAN WHEEL TYPE
	SWSI
	DRIVE
	DIRECT
HEATING COIL DATA	CFM (AHU TOTAL RA)
	16000
	BALANCE CFM
	14400
HUMIDIFIER DATA	ESP / TSP (W/C)
	1.5/2.32
	FAN MOTOR QTY / HP (MIN)
	2 / 7.5 HP
HUMIDIFIER DATA	FAN MOTOR BHP
	5.05 BHP
	(VOLTS/PHASE)
	460/3
HUMIDIFIER DATA	FAN WHEEL TYPE
	SWSI
	DRIVE
	DIRECT
HUMIDIFIER DATA	TYPE COIL / W x H (INCHES)
	CHW/129x75
	DESIGN CFM
	22000
HUMIDIFIER DATA	MAX. FACE VEL. (FPM)
	430
	(MAX. AIR P.D. (W/G) = 1.00 U.N.O.)
	0.57
HUMIDIFIER DATA	TOTAL / SENS / LAT (MBH) (MINIMUM)
	1108/667/441
	EAT °F DB/WB
	80/67
HUMIDIFIER DATA	LAT °F DB/WB
	51.1/50.7
	EWT °F / LWT °F (REFERENCE)
	42/54.1
HUMIDIFIER DATA	GPM (MAXIMUM)
	182.5
	WATER PD (FT.) (MAXIMUM)
	16.8
HUMIDIFIER DATA	MINIMUM ROWS / MAXIMUM FINS PER INCH
	6/8
	TYPE / POSITION
	HWPREHEAT
HUMIDIFIER DATA	DESIGN CFM
	22000
	MAX. FACE VEL. (FPM) (AT MAX AHU CFM)
	430
HUMIDIFIER DATA	MAXIMUM AIR P.D. (W/G) (AT MAX AHU CFM)
	0.09
	EAT °F DB / LAT °F DB (REFERENCE)
	43/66
HUMIDIFIER DATA	MINIMUM MBH OUTPUT
	820
	EWT °F / LWT °F (REFERENCE)
	140/110
HUMIDIFIER DATA	GPM (MAXIMUM)
	56.2
	WATER PD (FT.) (MAXIMUM)
	2.5
HUMIDIFIER DATA	MINIMUM ROWS / MAXIMUM FINS PER INCH
	1/8
	TYPE
	DIRECT INJECTION STEAM
HUMIDIFIER DATA	DESIGN CFM
	22000
	STEAM PSI
	15
HUMIDIFIER DATA	HUMIDIFICATION LOAD (LBS/HR)
	201
	EAT & RH % / LAT & RH%
	50 & 20% / 55 & 42%
HUMIDIFIER DATA	ABSORPTION DISTANCE (IN)
	5.4
	OUTSIDE AIR CFM (MIN/MAX) (AT FULL COOLING)
	5850 / 22000
HUMIDIFIER DATA	TYPE
	4" MINI PLEAT
	EFFICIENCY (%) (ASHRAE 52)
	80% (MERV 11)
HUMIDIFIER DATA	MAXIMUM VELOCITY (FPM)
	440
	P.D. (CLEANDIRTY) (INCHES W.G.)
	0.42 / 0.85
HUMIDIFIER DATA	TYPE
	12" RIGID
	EFFICIENCY (%) (ASHRAE 52)
	90% (MERV 14)
HUMIDIFIER DATA	MAXIMUM VELOCITY (FPM)
	440
	P.D. (CLEANDIRTY) (INCHES W.C.)
	0.49 / 1.5
HUMIDIFIER DATA	MANUFACTURER / MODEL NO. (JC)
	XTI- 75x129
	WEIGHT (LBS.)
	15487
HUMIDIFIER DATA	UNIT NOMINAL DIMENSIONS (INCHES)
	129x75x399
	WIDTH x HEIGHT x LENGTH
	ALL
NOTES	
ALL	

- NOTES (AHUs):
- ISP EQUALS AHU SP LOSS WITH DIRTY FILTERS. TSP EQUALS ESP + ISP. TSP LISTED IS FOR REFERENCE ONLY.
 - FAN MOTOR NAMEPLATE HP SHALL NOT BE EXCEEDED AT SCHEDULED CFM AND TSP
 - IF MANUFACTURER'S COOLING COIL PROMOTES MOISTURE CARRYOVER AT THE ALLOWABLE MAX FACE VELOCITY, THEY SHALL OVERSIZE THE COIL FACE AREA TO PREVENT MOISTURE CARRYOVER AT THESE CONDITIONS.
 - COILS SHALL NOT BE COATED UNLESS NOTED OTHERWISE.
 - COOLING COIL SENSIBLE HEAT RATIO (SHR) TOLERANCE EQUALS PLUS OR MINUS 0.3. EXAMPLE: CSHR = 0.79 MAX = 0.76 MIN=0.82
 - 5/8" OD TUBES
 - PROVIDE LED LIGHT FIXTURE IN EACH ACCESSIBLE SECTION. PROVIDE ONE TIMER SWITCH WITH PILOT LIGHT TO ENERGIZE ALL LIGHTS. FACTORY WIRE ALL FIXTURES AND SWITCHES TO EXTERNAL JUNCTION BOX FOR FIELD CONNECTION TO A 120V CIRCUIT
 - PRE-FILTERS SHALL BE SNAP-IN TYPE WITH SUPPORTS ON ALL FOUR SIDES. FILTER BANK SHALL BE FULL-SIZE.
 - HORIZONTAL DRAW-THRU
 - DOUBLE WALL CONSTRUCTION WITH THERMAL PERFORMANCE AS SPECIFIED.
 - INTERNALLY ISOLATED FAN, DRIVE, AND MOTOR.
 - PROVIDE (2) VARIABLE FREQUENCY DRIVES FOR EACH SUPPLY FAN ARRAY. VFDs TO BE SIZED FOR 50% OF THE FAN ARRAY'S AGGREGATE FAN HORSEPOWER.
 - COIL CASINGS SHALL BE STAINLESS STEEL.
 - FINAL BALANCED CFM TO BE COORDINATED WITH T&B CONTRACTER AFTER CONSTRUCTION COMPLETION.
 - SCCR RATING SHALL MATCH PANELBOARD RATING.
 - PROVIDE SEPARATE MINIMUM OUTSIDE AIR AND ECONOMIZER OUTSIDE AIR DAMPERS.
 - SCCR: 10k

Devenney GROUP

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Consultant:

WSP

WSP USA Buildings Inc. 2013001881

STATE OF MISSOURI
JONATHAN DICKERT
NUMBER
PE-2021039309
EXPIRATION DATE
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SCHEDULES - MECHANICAL

M08-01

Autodesk Docx/ / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r223/MEP - LSNC Med Surg & Detenry Expansion - R23.rvt 2/6/2025 4:18:52 PM 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.

FAN COIL UNIT SCHEDULE		
DESIGNATION		FCU-CP-7
LOCATION		LEVEL 1 CUP
SERVICE		LEVEL 1 CUP
FAN DATA	MAX CFM	1750
	EXT. S.P. ("WG)	0.5
	FAN MOTOR HP (MIN) (1750 RPM)	1
	POWER SUPPLY (VOLTS/PHASE)	460 / 3
	DRIVE	ECM
COOLING COIL DATA	FAN RPM	1148
	TYPE / MIN SQ. FT.	CHW
	CFM	1750
	MAX FACE VELOCITY (FPM)	435
	EAT "F DBWB	75 / 63
HEATING COIL DATA	LAT "F DBWB	54.4 / 53.7
	EWT "F/DT	44 / 12
	GPM	11.1
	WATER P.D. (FT)	2.62
	MIN. NO. OF ROWS / MAX FINS PER INCH	6 / 10
HEATING COIL DATA	TYPE / PH = PREHEAT, RH = REHEAT	RH
	CFM	1750
	MAX FACE VELOCITY (FPM)/MAX APD ("W.G.)	435
	MIN. MBH OUTPUT	87.9
	EAT "F DB / LAT "F DB	50 / 88.8
OUTSIDE AIR CFM	EWT "F/DT	140 / 30
	BALANCED GPM	4
	WATER P.D. (MAX FT)	4.18
	MIN. NO. OF ROWS / MAX FINS PER INCH	2 / 10
	TYPE & THICKNESS	TA/2" PLEATED FLAT
FILTER DATA	EFFICIENCY (%) / MERV RATING	65%/11
	MAX. VELOCITY (FPM)	315
	P.D. (DIRTY / CLEAN)	0.85/0.3
	MANUFACTURER / MODEL NO.	ENVIROTEC HDD 16
	UNIT MIN. DIM. (INCHES) LENGTH x WIDTH x HEIGHT W/O PLENUMS	40 x 44 x 21
NOTES (FCUS):		ALL

1. FIBER FREE 1" THICK INSULATION. COIL REMOVAL ACCESS ON BOTH SIDES
DRAIN PAN: STAINLESS STEEL REMOVABLE, MAIN AND OVERFLOW CONNECTIONS.
COILS: SLIDE IN/OUT ON RAILS. HORIZONTAL DRAW-THRU.
2. MAIN POWER AND CONTROL PANEL WITH SINGLE POINT POWER AND INTEGRAL DISCONNECT SWITCH.
3. IF ANY MANUFACTURER'S COOLING COIL PROMOTES MOISTURE CARRYOVER AT THE ALLOWABLE MAXIMUM FACE VELOCITY THEY SHALL OVERSIZE COOLING COIL FACE AREA TO PREVENT MOISTURE CARRYOVER
4. COILS: NO COATINGS, NO TURBULATORS
5. SCCR: 10k

SPLIT SYSTEM A/C UNIT SCHEDULE		
DESIGNATION		AC-2 / AC-3.4
LOCATION		LEVEL 3 / LEVEL 01
SERVICE		COMM / EXISTING ELEV MACHINE RMS
INDOOR UNIT DATA	SUPPLY CFM	1095
	EXT. S.P. ("WG)	208 / 1
	VOLTS / PH	-
	MCA	-
	MOCP	-
COOLING DATA	DIMENSIONS (WxHxD) (IN)	47 1/4"x14 23/32"x10 7/16"
	WEIGHT (LBS)	41
	EAT "F DBWB	80 / 67
	SENS. HEAT (BTUH)	34,000
	TOTAL HEAT (BTUH)	34,000
CONDENSING UNIT DESIGNATION	ACCU-2, 3, 4	
	VOLTS / PH	208 / 1
	MCA	23
	MOCP	30
	DIMENSIONS (WxHxD) (IN)	32 3/4"x37 13/32"x13"
CU DATA	WEIGHT (LBS)	148
	SCCR (AMPS)	*
	MANUFACTURER	LG
	INDOOR FAN COIL MODEL NO.	LSN363HLV3
	CONDENSING UNIT MODEL NO.	LSR363HLV2
NOTES:		ALL

1. CAPACITY AT 105°F O.A.T.
2. 14.0 MIN. SEER RATING.
3. CONTRACTOR SHALL PROVIDE AND INSTALL FACTORY POWERED CONTROLS AND CONTROL TRANSFORMER
4. PROVIDE ELECTRONIC ALTERNATOR AND FLOAT SWITCHES.
5. FACTORY WIRED SINGLE POINT CONNECTION
6. ELECTRICAL CONTRACTOR TO CONNECT EXTERIOR UNIT TO INTERIOR UNIT.
7. R-32 REFRIGERANT.
*SCCR RATING TO MEET OR EXCEED PANEL AIC RATING

MARK	SERVES	TYPE	MIN. EFF. (%)	GPM	TDH (FT)	HP	RPM	VOLT/PHASE	DRIVE	AVAILABLE FAULT (AIC)	WEIGHT (LBS)	MANUFACTURER / MODEL	NOTES
PHP-1	AHU-12	VERTICAL IN-LINE	28.6	30	5	1 / 3	2042	120 / 1	HOA	5k	41	ARMSTRONG / SERIES 4380	2,3
CHWP-3	CHILLED WATER	END SUCTION	80	860	130	50	1750	460 / 3	VFD	18k	1000	BELL & GOSSETT / 1510 - 4GB	ALL
NOTES:													
1. VFD FURNISHED BY DIVISION 26 CONTRACTOR. 2. PUMP MOTOR SHALL BE NON-OVERLOADING THROUGHOUT THE FULL RANGE OF THE PUMP CURVE 3. DISCONNECT SWITCH FURNISHED BY DIVISION 26 CONTRACTOR.													
* AIC RATING SHALL MEET OR EXCEED PANEL RATING													

AHU-12 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-12-1	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-2	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-3	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-4	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-5	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-6	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	ALL			
VAV-12-7	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	1, 3-12			
VAV-12-8	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-9	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-10	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-11	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-12	6"	200	200	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-13	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-14	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-15	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-16	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-17	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-18	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-19	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-20	6"	150	150	300	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	ALL			
VAV-12-21	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	ALL			
VAV-12-22	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-23	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-24	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-25	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-26	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-27	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-28	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-29	6"	125	130	400	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12			
VAV-12-30	6"	75	75	150	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-31	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	1, 3-12			
VAV-12-32	6"	75	75	75	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-33	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-34	8"	425	425	550	10 / 12	0.25	52	95	140	110	10	1.1	2	30	TSS-08	1, 3-12			
VAV-12-35	6"	150	150	300	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12			
VAV-12-36	6"	75	75	150	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-37	6"	325	325	325	8 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-06	1, 3-12			
VAV-12-38	10"	850	850	850	12.5 / 14	0.25	52	95	140	110	10	2.1	2	30	TSS-10	1, 3-12			
VAV-12-39	6"	150	150	300	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12			
VAV-12-40	6"	75	75	200	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-41	6"	200	200	250	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12			
VAV-12-42	8"	0	0	600	10 / 12	0.25	52	95	140	110	10	0.0	2	30	TSS-08	1, 3-12			
VAV-12-43	10"	250	250	775	12.5 / 14	0.25	52	95	140	110	10	0.7	2	30	TSS-10	1, 3-12			
VAV-12-44	6"	300	300	300	8 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-06	1, 3-12			
VAV-12-45	10"	425	425	850	12.5 / 14	0.25	52	95	140	110	10	1.1	2	30	TSS-10	1, 3-12			
VAV-12-46	6"	50	65	75	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-47	6"	75	75	150	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-48	8"	225	225	450	10 / 12	0.25	52	95	140	110	10	0.6	2	30	TSS-08	1, 3-12			
VAV-12-49	6"	150	150	300	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12			
VAV-12-50	8"	0	0	600	10 / 12	0.25	52	95	140	110	10	0.0	2	30	TSS-08	1, 3-12			
VAV-12-51	8"	350	350	675	10 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-08	1, 3-12			
VAV-12-52	6"	75	75	75	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-53	8"	0	0	600	10 / 12	0.25	52	95	140	110	10	0.0	2	30	TSS-08	1, 3-12			
VAV-12-54	6"	50	65	125	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12			
VAV-12-55	8"	600	600	600	10 / 12	0.25	52	95	140	110	10	1.5	2	30	TSS-08	1, 3-12			
VAV-12-56	6"	50	65	100	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.							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.												
2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.							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"												
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.							12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.												
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 AT 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.																			

STEAM SYSTEM ACCESSORIES SCHEDULE													
MARK	TYPE (DESCRIPTION)	SYSTEM APPLICATION	MINIMUM PRESSURE RATING(PSIG) (SATURATED)	BODY MATERIAL	INTERNAL CONSTRUCTION MATERIALS	INLET/OUTLET PIPING ARRANGEMENT	INTEGRAL COMPONENTS	CAPACITY				MANUFACTURER/MODEL NO. (SARCO)	NOTES
								SIZE (INCHES)	DIFFERENTIAL (PSI)	PPH	ORIFICE DIA. (INCHES)		
FTT-1	FLOAT AND THERMOSTATIC TRAP	LPS ONLY	15	CAST IRON	STAINLESS STEEL	IN-LINE HORIZONTAL	1. FLOAT 2. THERMOSTATIC AIR VENT	0.75	0.25	279	0.22"	FTI-15	1.2
FTT-2								1.25	0.25	600	0.31"	FTI-15	1.2
FTT-3								1.50	0.25	1100	0.50"	FTI-15	1.2
FTT-4								2.00	0.25	2600	2 AT 0.75	FTB-175	1.2
FTT-5								2.00	0.25	6000	0.94"	FTB-20	1.2
FTT-6								2.00	0.25	12000	2 AT 2.12"	FTB-30	1.2
FTT-7								2.50	0.25	19000	2 AT 2.12"	FTB-125	1.2
FTT-8	FLOAT AND THERMOSTATIC TRAP	HPS ONLY (NOTE 7)	125	CAST IRON	STAINLESS STEEL	IN-LINE HORIZONTAL	1. FLOAT 2. THERMOSTATIC AIR VENT	0.75	0.25	100	0.12"	FTI-125	1.2
FTT-9								1.25	0.25	400	0.25"	FTI-125	1.2
FTT-10								1.50	0.25	920	2 AT 0.38"	FTB-175	1.2
FTT-11								2.00	0.25	2600	2 AT 0.75"	FTB-175	1.2
FTT-12								2.50	0.25	7000	2 AT 1.50"	FTB-175	1.2
IBT-1	INVERTED BUCKET TRAP	HPS ONLY (NOTE 6)	125	CAST IRON	STAINLESS STEEL	IN-LINE HORIZONTAL	1. INVERTED BUCKET 2. STRAINER, MONEL 3. BIMETALLIC AIR VENT, INTERNAL	0.75	20	446	0.12"	B1H-125	1.2,3
IBT-2								0.75	20	1100	0.20"	B2-125	1.2,3
IBT-3								1.0	20	2080	0.25"	B3-125	1.2,3
TAV-1	THERMOSTATIC AIR VENT	LPS HPS	125	BRASS	STAINLESS STEEL	1. VERTICAL INLET 2. HORIZONTAL OR VERTICAL OUTLET	1. THERMOSTATIC AIR VENT	0.38" X 0.25"	50 PSIG INLET	40 SCFM AIR	-	T202	2.4
TAV-2								0.50	50 PSIG INLET	88 SCFM AIR	-	VS204	1.2
TAV-3								0.75	50 PSIG INLET	112 SCFM AIR	-	VS206	1.2
VB-1	VACUUM BREAKER	LPS HPS	125	BRASS	STAINLESS STEEL	1. VERTICAL INLET 2. HORIZONTAL OUTLET	1. BALL CHECK VALVE	0.5" X 0.12"	6" HG VACUUM	4.0 SCFM AIR	-	VB14	2.4,5

- NOTES:
1. BOLTED COVER.
 2. SERVICABLE UNIT WITHOUT REMOVING FROM PIPING.
 3. INSTALL ONE TAV-1 EXTERNALLY PIPED ON INLET SIDE OF EACH IBT.
 4. THREADED COVER.
 5. VACUUM REQUIRED TO OPEN = 2 INCHES WC (0.15 IN Hg).



(E)AHU-8 TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE																		
DESIGNATION	BOX TYPE	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-8-12	A	6"	100	100	325	8 / 12	0.25	52	95	140	110	10	0.3	2	30	TSS-06	1, 3-12	
VAV-8-13	F	16"	650	650	2,150	18 / 24	0.25	52	95	140	110	10	1.6	2	30	TSS-16	ALL	
VAV-8-14	F	16"	650	650	2,150	18 / 24	0.25	52	95	140	110	10	1.6	2	30	TSS-16	1, 3-12	
VAV-8-15	E	14"	600	600	2,000	17.5 / 20	0.25	52	95	140	110	10	1.5	2	30	TSS-14	1, 3-12	
VAV-8-17	C	10"	250	250	825	12.5 / 14	0.25	52	95	140	110	10	0.7	2	30	TSS-10	1, 3-12	
VAV-8-18	A	6"	225	225	275	8 / 12	0.25	52	95	140	110	10	0.6	2	30	TSS-06	1, 3-12	
<div><div>NOTES:</div><div><div>1. MIN MBH = GPM x 15.</div><div>MIN MBH = GPM x 15.</div><div>2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.</div><div>3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.</div><div>4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.</div><div>5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.</div><div>6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.</div><div>7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.</div><div>8. H.W. COIL SHALL BE LOCATED AS DISCHARGE OF BOX.</div><div>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.</div><div>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.</div><div>11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:<div><div>0 - 4.0 GPM</div><div>4.1 - 8.0 GPM</div><div>8.1 - 15.0 GPM</div><div>: 3/4"</div><div>: 1"</div><div>: 1-1/4"</div></div></div><div>12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.</div></div></div>																		

MAU TERMINAL UNIT SCHEDULE									
DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)			
							MAX N.C.	JCI MODEL NUMBER	NOTES
VAV-M-1	16"	2,700	2,700	2,700	18 / 24	0.25	30	TSS-16	ALL
VAV-M-2	16"	3,120	3,120	3,120	18 / 24	0.25	30	TSS-16	ALL
<div><div>NOTES:</div><div><div>1. MIN MBH = GPM x 15.</div><div>2. BOX HEATING AND COOLING CFM ARE PER PLANS AS FOLLOWS:<div>A) COOLING CFM = BOX MAXIMUM CFM.</div><div>B) HEATING CFM = MINIMUM COOLING CFM = BOX MINIMUM CFM.</div></div><div>3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.</div><div>4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.</div><div>5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.</div><div>6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.</div><div>7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.</div><div>8. H.W. COIL SHALL BE LOCATED AT DISCHARGE OF BOX.</div><div>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.</div><div>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.</div><div>11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:<div><div>0 - 4.0 GPM</div><div>4.1 - 8.0GPM</div><div>8.1 - 15.0 GPM</div><div>: 3/4"</div><div>: 1"</div><div>: 1-1/4"</div></div></div><div>12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.</div></div></div>									

WALL HEATER SCHEDULE							
DESIGNATION	SERVES	KW	VOLTS/PH	STAGES	FAN CFM	MANUFACTURER/MODEL NO.	REMARKS/NOTES
CH-9,10	STAIRS	5	208/1	1	250	QMARK AWH-4508	1,2,3
<div><div>NOTES:</div><div><div>1. COMPLETE WITH THERMOSTAT.</div><div>2. COMPLETE WITH FUSED DISCONNECT SWITCH.</div><div>3. FULLY RECESSED.</div></div></div>							

Devenney
GROUP

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Consultant:

wsp

WSP USA Buildings Inc. 2013001881

STATE OF MISSOURI
JONATHAN
DICKERT
NUMBER
PE-2021039309
EXPIRATION
DATE 02/06/2025

WSP USA Buildings Inc. 2013001881

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INPATIENT BED
EXPANSION

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: As indicated
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

SCHEDULES - MECHANICAL

M08-04

Autodesk Docx//6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r123/MEP - LSNC Med Surg & Dietary Expansion_R23.rvt 2/6/2025 1:18:55 PM 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.



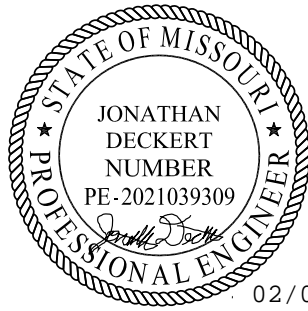
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Consultant:



02/06/2025

WSP USA Buildings Inc. 2013001881

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INPATIENT BED EXPANSION

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06

DATE: 2024/12/05
SCALE: 1/8" = 1'-0"
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

ROOF PLAN - AREA D - MEP

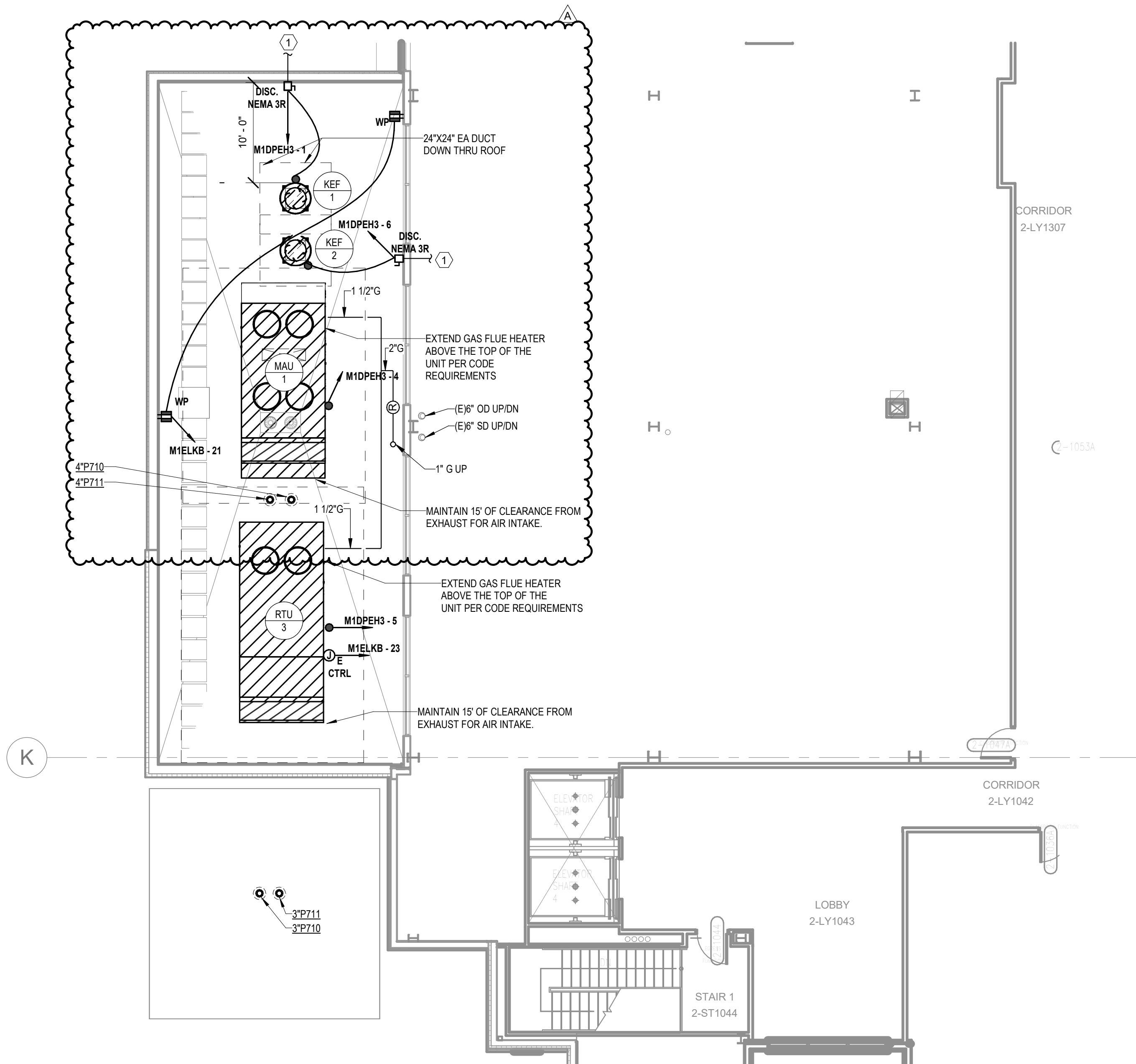
MEP02-02D

GENERAL NOTES

- REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
- ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES.
- 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 21 CONTRACTOR.
- COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

- 1 DISCONNECT SWITCHES INSTALLED ON THE LOAD SIZE OF VFD SHALL BE EQUIPPED WITH INTERLOCK ACCESSORY AUXILIARY CONTACTS, WHICH 'BREAK' BEFORE THE SAFETY SWITCH IS OPEN. PROVIDE CONDUIT WITH INTERLOCK WIRING FROM DISCONNECT SWITCH AUXILIARY CONTACTS TO VFD, AND CONNECT AS REQUIRED TO SHUTDOWN VFD PRIOR TO DISCONNECTING POWER TO THE MOTOR.



1 ROOF PLAN - DINING - MEP
1/8" = 1'-0"



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SITE & BRIDGE EARLY RELEASE PACKAGE

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

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FACILITY NUMBER:
0972400009

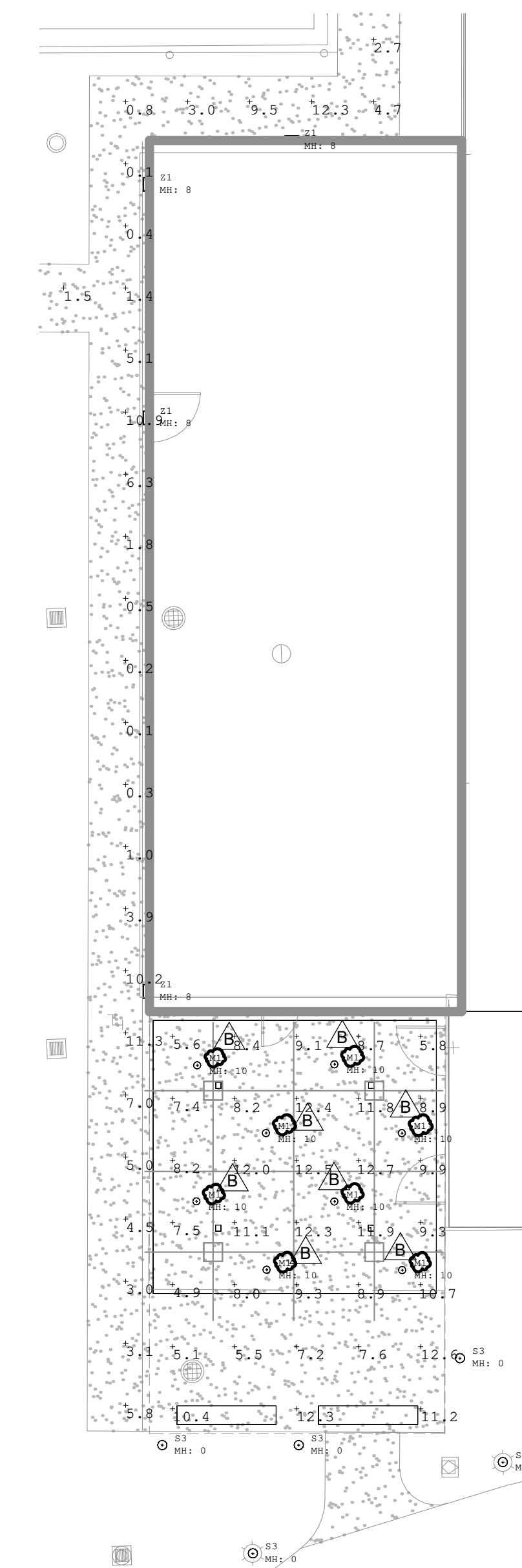
AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: As indicated
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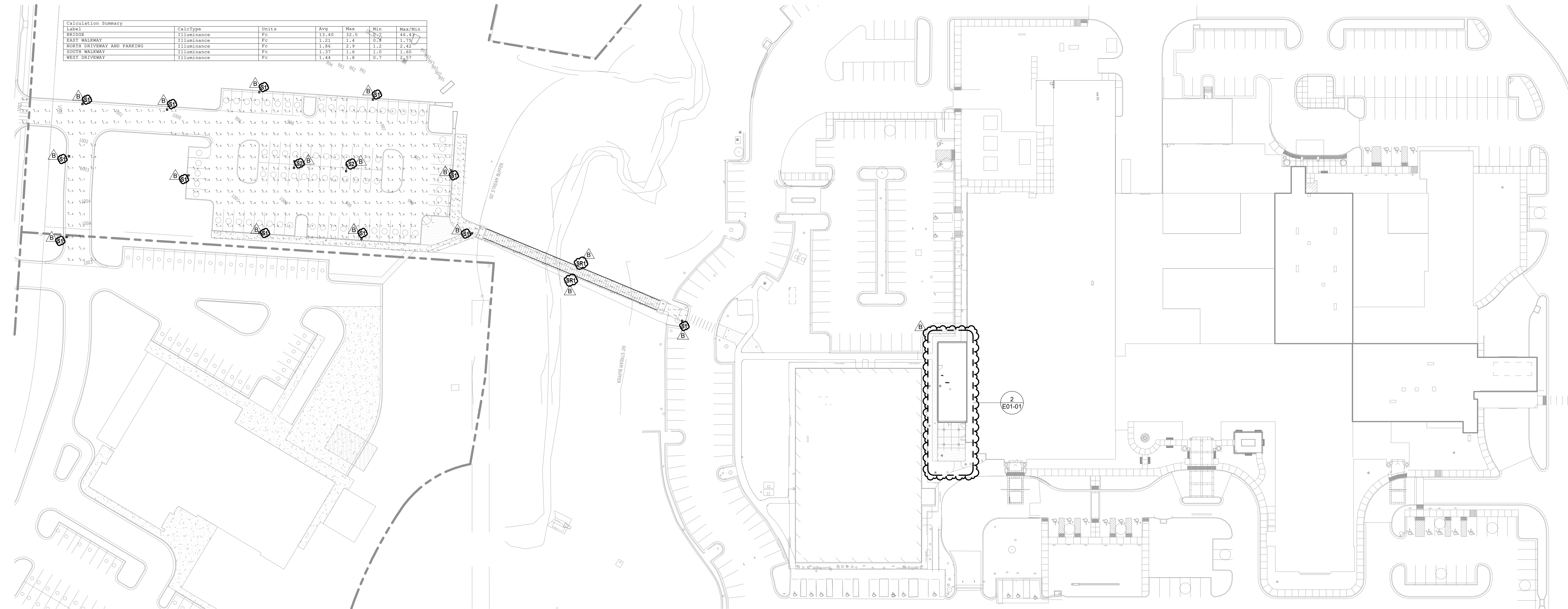
SITE PLAN - PHOTOMETRICS

E01-01



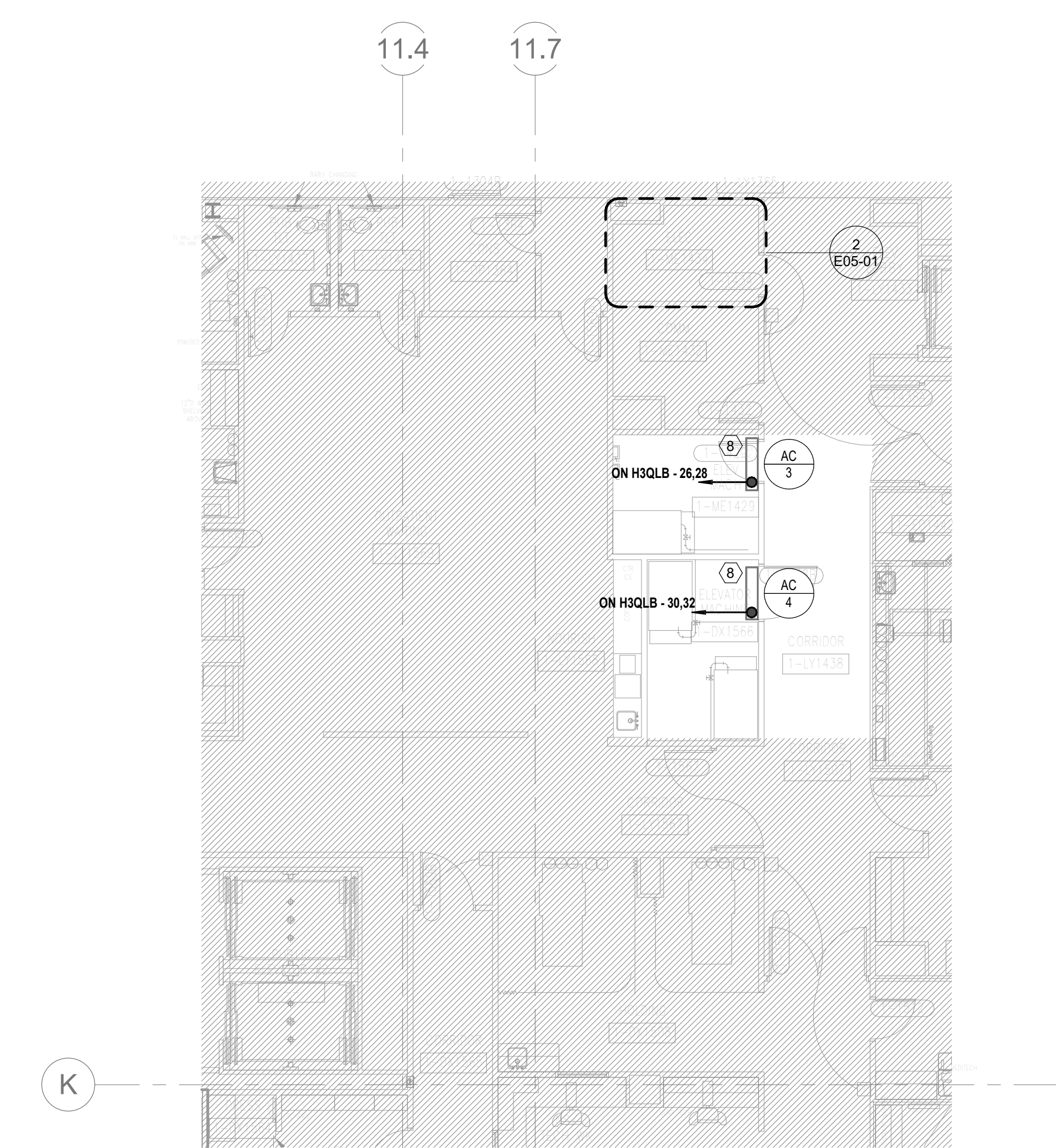
Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Dining Outdoor Seating	Illuminance	Fc	9.32	12.7	4.9	2.59
Sidewalk	Illuminance	Fc	4.03	12.3	0.1	123.00

2 EXTERIOR CANOPY - PHOTOMETRICS
1" = 10'-0"

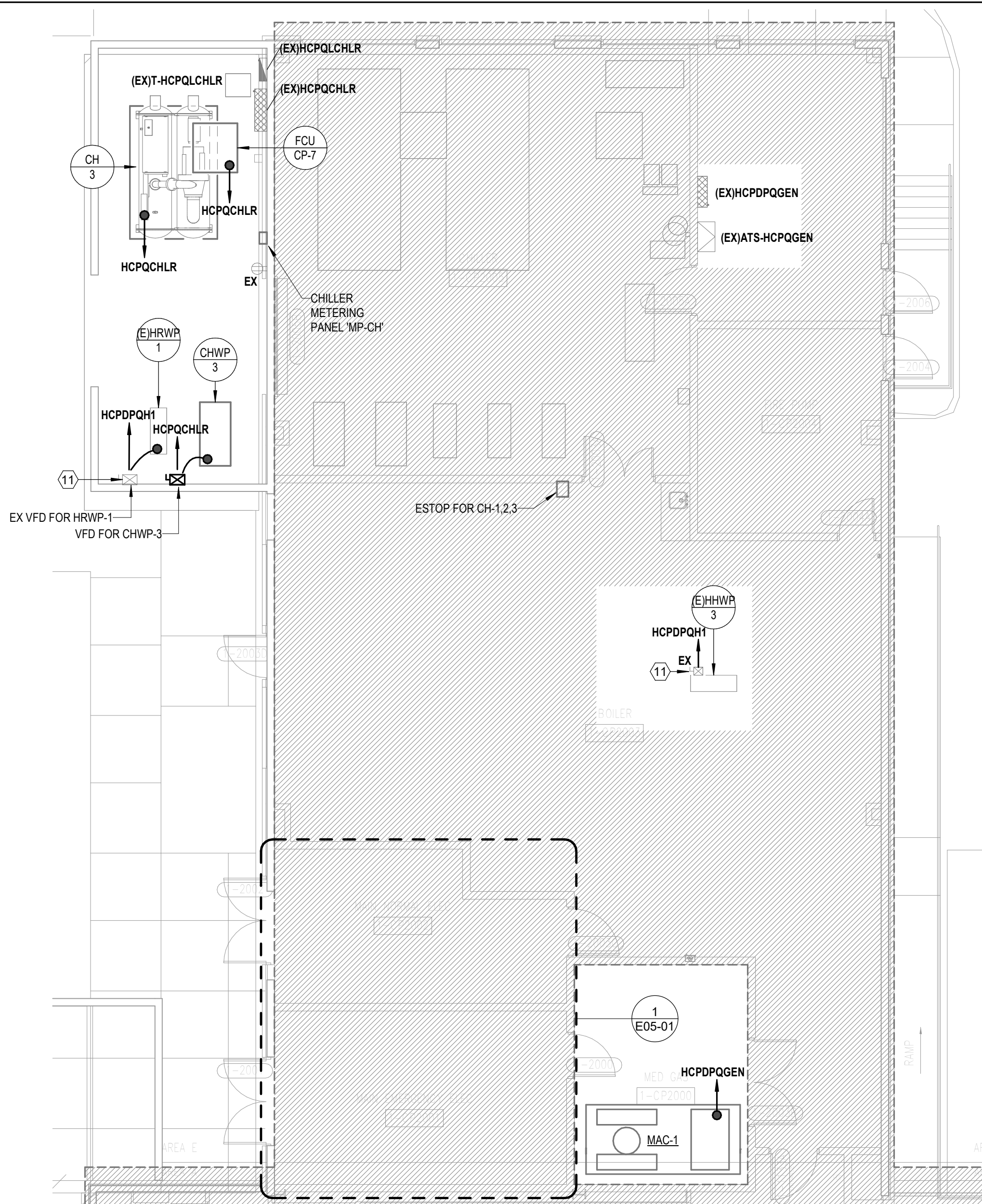


Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
BRIDGE	Illuminance	Fc	33.48	32.5	30.2	44.45
EAST WALKWAY	Illuminance	Fc	3.21	1.4	0.9	1.75
NORTH DRIVEWAY AND PARKING	Illuminance	Fc	1.84	2.9	1.2	2.42
SOUTH WALKWAY	Illuminance	Fc	1.37	1.6	1.0	1.60
WEST DRIVEWAY	Illuminance	Fc	1.44	1.8	0.7	2.57

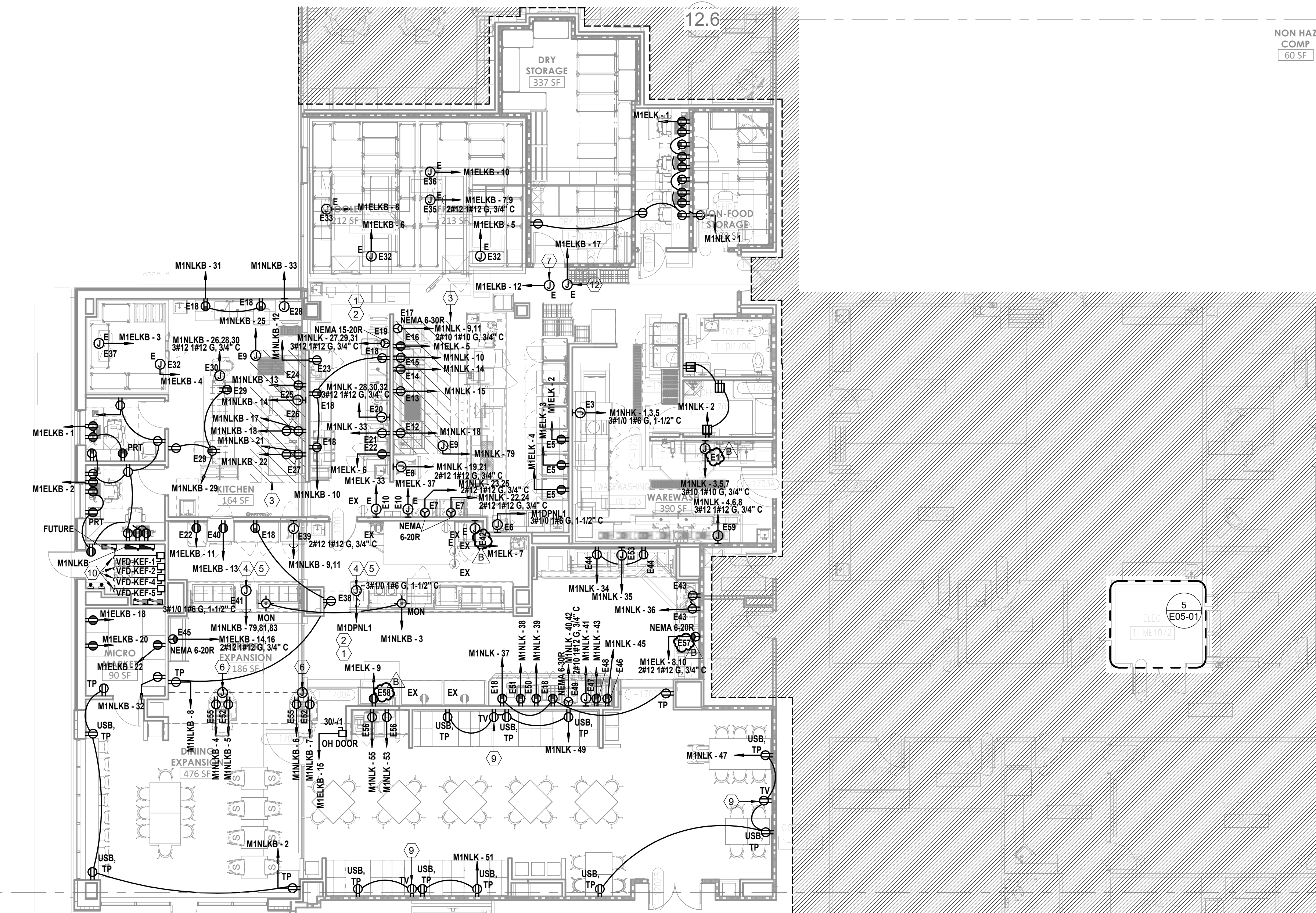
1 SITE PLAN - PHOTOMETRICS
1" = 40'-0"



3 FLOOR PLAN - LEVEL 01 - SECTOR D - POWER
1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 01 - SECTOR C - POWER
1/8" = 1'-0"



1 FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - POWER
1/8" = 1'-0"

GENERAL NOTES

- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- REFER TO SHEET E00 SERIES FOR FEEDER AND PANELBOARD SCHEDULES
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
- 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
- COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

- CAREFULLY REVIEW AND COORDINATE THE EXACT REQUIREMENTS OF THE FOOD SERVICE EQUIPMENT WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR EQUIPMENT, BRANCH CIRCUIT REQUIREMENTS, TERMINATION DETAILS, AND OTHER ITEMS NECESSARY TO PROVIDE THE PROPER ELECTRICAL WORK FOR THE FOOD SERVICE EQUIPMENT INSTALLATION.
- REFER TO ELECTRICAL CONNECTIONS SCHEDULE IN KITCHEN VENDOR DRAWINGS FOR ADDITIONAL INFORMATION ON EFS TAGS.
- HATCHED REGION INDICATES HOOD LOCATION. ALL CIRCUITS UNDERNEATH HOOD SHALL HAVE SHUNT TRIP BREAKERS.
- FEEDER FROM PANEL TO LOAD CENTER SHALL BE ROUTED UNDERNEATH SLAB. COORDINATE EXACT STUB UP LOCATIONS WITH FOOD SERVICE VENDOR PRIOR TO ROUGH-IN.
- PROVIDE ALL WIRING, DEVICES, BOXES AS REQUIRED TO COMPLETE SYSTEM WIRING PER KITCHEN VENDOR DRAWINGS. REFER TO KITCHEN VENDOR PLANS FOR MORE INFORMATION.
- JUNCTION BOX LOCATED IN FLOOR UNDER POS STATION FOR ROUTING OF EQUIPMENT. POWER CIRCUITS INDICATED IN THIS POS STATION MILLWORK ROUTE 1" CONDUIT UNDER FLOOR TO THE RECEPTACLE AS INDICATED.
- PROVIDE 120V POWER CONNECTION TO VAVS IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE 20A 1P SWITCH AT CONTROL TRANSFORMERS. 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.
- INDOOR UNIT TO BE SERVED FROM OUTDOOR UNIT. REFER TO OUTDOOR UNIT FOR MANUFACTURER REQUIREMENTS.
- DEVICES 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.
- CONNECT VARIABLE FREQUENCY DRIVE (VFD) TO RESPECTIVE DISCONNECT SWITCH LOCATED ON KITCHEN ROOF.
- EXISTING MECHANICAL EQUIPMENT TO BE RE-CONNECTED TO EQUIPMENT PANEL. HCPOPH1, ALL ASSOCIATED EXISTING STARTERS(S) AND DISCONNECT(S) TO REMAIN. EXISTING CONDUCTORS AND CONDUIT TO REMAIN AND SPLICE WITH NEW CONDUCTOR TO EXTEND TO NEW POWER PANEL. CONTRACTOR TO VERIFY EXISTING CONDUCTOR AND CONDUIT IN ACCEPTABLE CONDITION TO RE-USE. LABEL THE UPSTREAM BREAKER AS "SPARE".
- PROVIDE 120V POWER CONNECTION TO FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS IN THIS AREA. PROVIDE SEPARATE RELAYS FOR EACH SMOKE ZONE TO MEET MECHANICAL SEQUENCES. REFER TO THE ARCHITECTURAL LIFE SAFETY PLANS FOR SMOKE WALLS AND MECHANICAL PLANS FOR THE LOCATIONS OF ALL FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS.

Devenney GROUP

Devenney Group Ltd., Architects

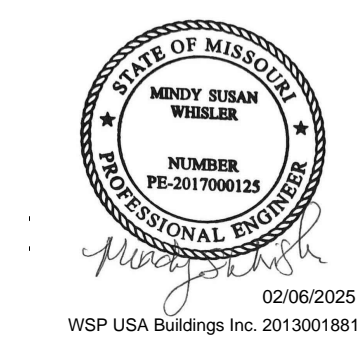
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Consultant:

wsp



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AGENCY APPROVALS:

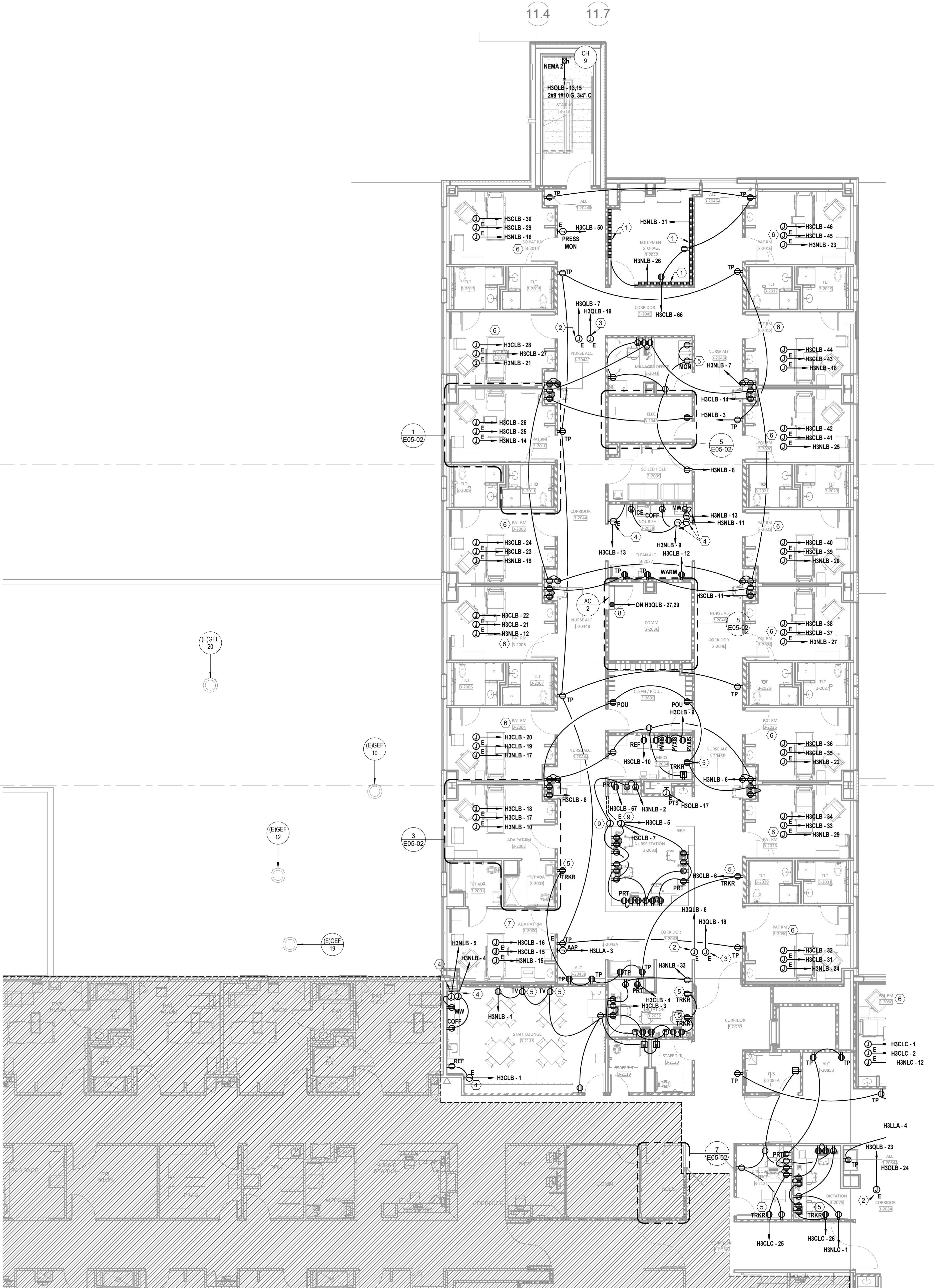
REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: 1/8" = 1'-0"
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 1 -
SECTOR A - KITCHEN,
SERVERY & DINING -
POWER

E02-01

Autodesk Docx / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r123 / MEP - LSNC Med Surg & Dietary Expansion - R23.rvt 1/29/2025 3:35:30 PM



GENERAL NOTES

- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- REFER TO SHEET E00 SERIES FOR FEEDER AND PANELBOARD SCHEDULES
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
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- COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

- PROVIDE PLUGMOLD EQUAL TO WIREMOLD AL3000 SERIES WITH DUPLEX RECEPTACLES AT 12" O.C. MOUNTED AT 4'-0" TO BOTTOM OF PLUGMOLD ABOVE FINISH FLOOR. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR MORE DETAILS.
- 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.
- PROVIDE 120V POWER CONNECTION TO FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS IN THIS AREA. PROVIDE SEPARATE RELAYS FOR EACH SMOKE ZONE TO MEET MECHANICAL SEPARATION. 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.
- PROVIDE BLANK FACE (FACELESS) GFCI IN A READILY ACCESSIBLE LOCATION FOR RECEPTACLE INDICATED LABEL PER DEVICE INDICATED ON DRAWINGS. REFER TO DETAIL 01E07-01 FOR MORE INFORMATION.
- DEVICES(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.
- REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.
- REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.
- INDOOR UNIT TO BE SERVED FROM OUTDOOR UNIT. REFER TO OUTDOOR UNIT FOR MANUFACTURER REQUIREMENTS.
- JUNCTION BOX LOCATED IN FLOOR UNDER NURSE STATION ISLAND FOR ROUTING NORMAL AND CRITICAL EMERGENCY POWER CIRCUITS INDICATED IN NURSE STATION MILLWORK. ROUTE 1" CONDUIT UNDER FLOOR TO THE NEAREST WALL AND ABOVE ACCESSIBLE CEILING.



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02/06/2025
WSP USA Building Inc. 2013001881

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INPATIENT BED EXPANSION

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CENTER
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MISSOURI DHSS

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AGENCY APPROVALS:

REVISIONS		
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B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: 1/8" = 1'-0"
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 03 -
SECTOR A POWER

E02-03A

GENERAL NOTES

- A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- B. REFER TO SHEET E00 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 CONTRACTOR
- 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 BLANK FACE (FACELESS) GFCI IN A READILY ACCESSIBLE LOCATION FOR RECEPTACLE INDICATED LABEL PER DEVICE INDICATED ON DRAWINGS. REFER TO DETAIL 01E07-01 FOR MORE INFORMATION.
2. PROVIDE 120V POWER CONNECTION TO VAV'S 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 VAV'S 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.
3. PROVIDE 120V POWER CONNECTION TO FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS IN THIS AREA. PROVIDE SEPARATE RELAYS FOR EACH SMOKE ZONE TO MEET MECHANICAL SCHEDULES AND THE ARCHITECTURAL LIFE SAFETY PLANS FOR SMOKE WALLS AND SMOKE DAMPERS. PROVIDE SEPARATE RELAYS FOR EACH SMOKE ZONE. SMOKE DAMPERS AND MOTORIZED DAMPERS.
4. DEVICES(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.
5. EQUIPMENT IS PROVIDED WITH INTEGRAL DISCONNECT BY MANUFACTURER, CIRCUITED BY DIV. 26.
6. PROVIDE PLUGMOLD EQUAL TO WIREMOLD AL3000 SERIES WITH DUPLEX RECEPTACLES AT 12" C.C. MOUNTED AT 4'-0" TO BOTTOM OF PLUGMOLD ABOVE FINISH FLOOR. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR MORE DETAILS.
7. JUNCTION BOX LOCATED IN FLOOR UNDER NURSE STATION ISLAND FOR ROUTING NORMAL AND CRITICAL EMERGENCY POWER CIRCUITS INDICATED IN NURSE STATION MILLWORK. ROUTE 1" CONDUIT UNDER FLOOR TO THE NEAREST WALL AND ABOVE ACCESSIBLE CEILING.
8. REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.
9. REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.



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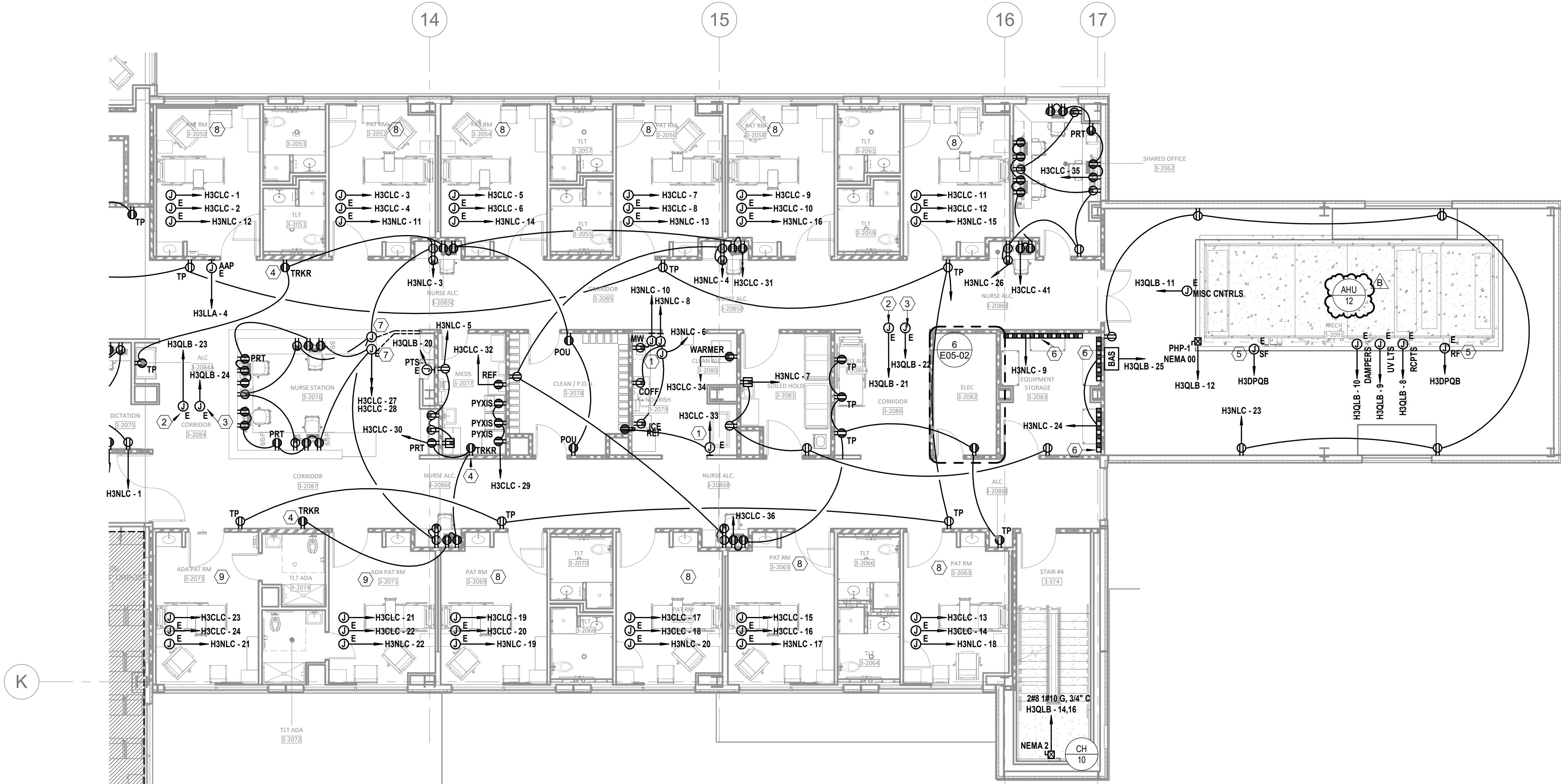
AGENCY APPROVALS:

REVISIONS		
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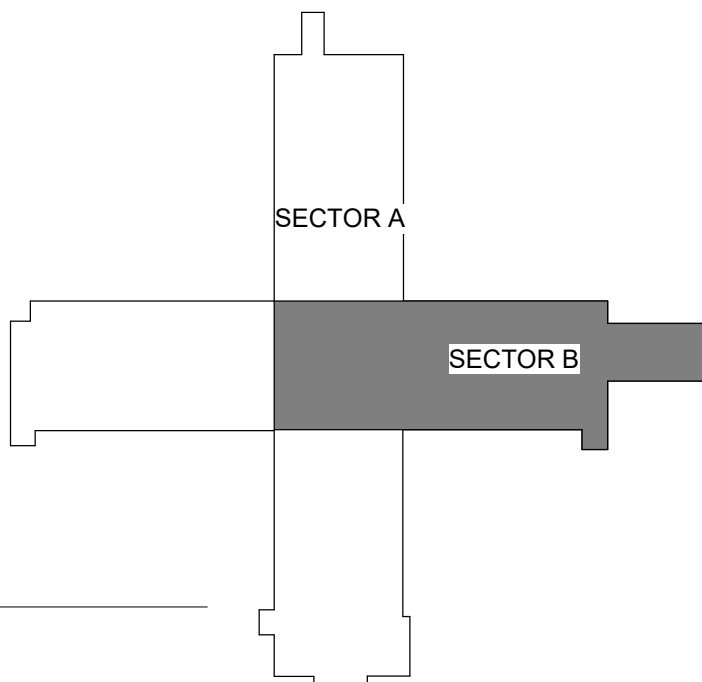
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DRAWN: Author
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FLOOR PLAN - LEVEL 03 -
SECTOR B POWER

E02-03B



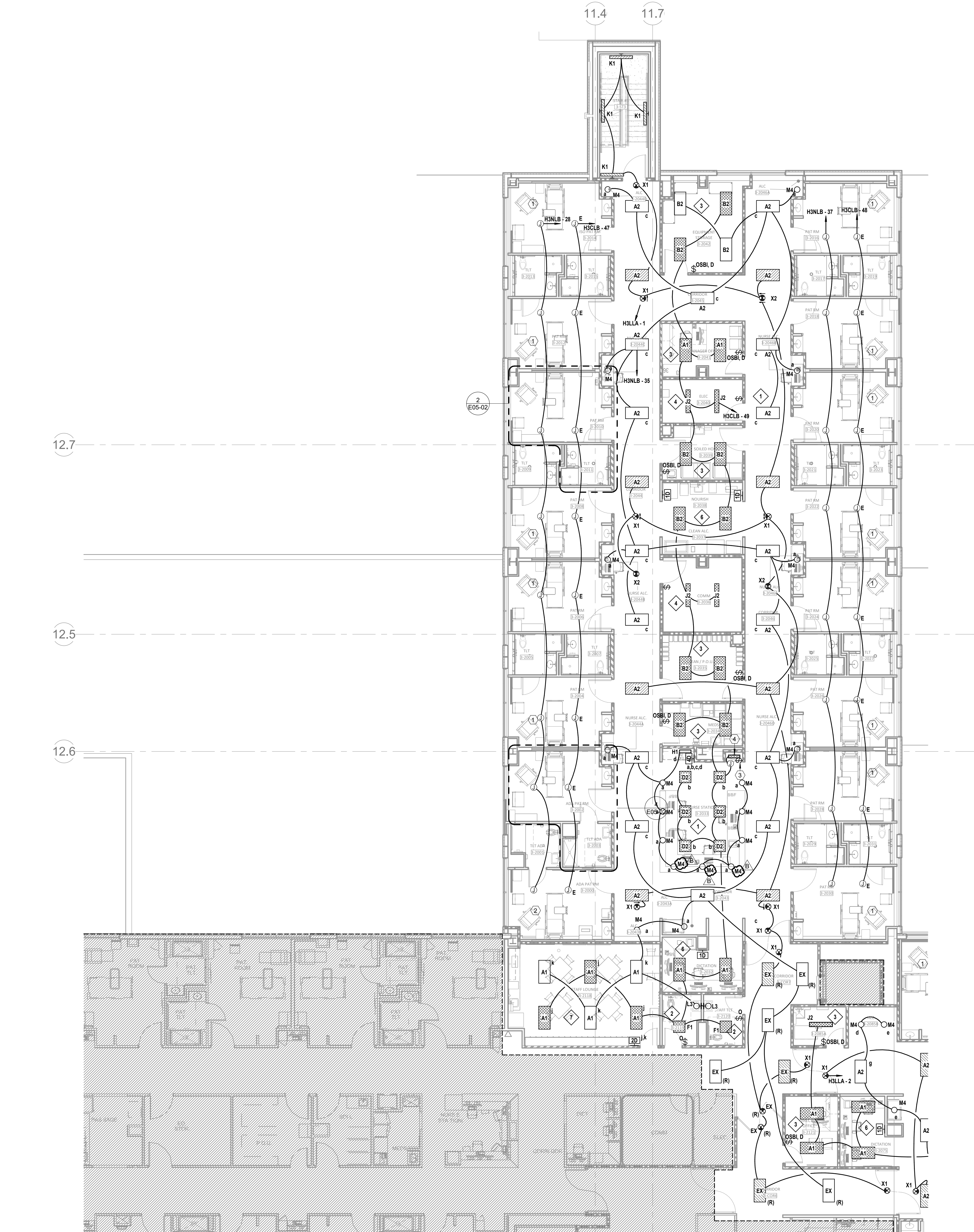
LEVEL 3 - KEY PLAN



Autodesk Docx/16406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23/MEP - LMC Med Surg & Devenney Expansion_r23.rvt 1/29/2025 3:34:02 PM

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.

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule.



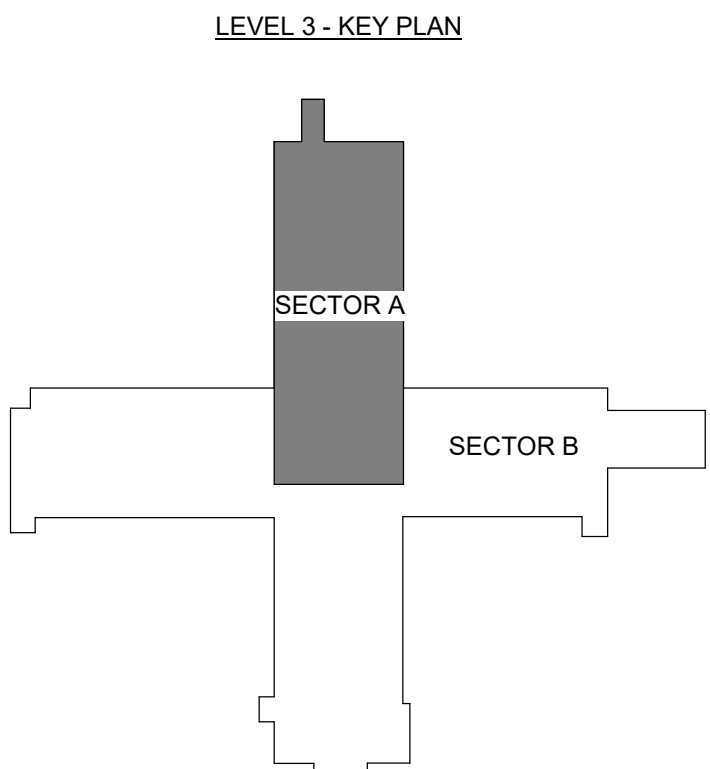
1 FLOOR PLAN - LEVEL 03 - SECTOR A LIGHTING
1/8" = 1'-0"

GENERAL NOTES

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

LEGEND NOTES

- REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - LIGHTING" ON E5 SERIES FOR TYPICAL LIGHTING LAYOUT
- REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - LIGHTING" ON E5 SERIES FOR TYPICAL LIGHTING LAYOUT
- SWITCH TO BE PROVIDED WITH PRE-FABRICATED WALLS
- LIGHT FIXTURE TO BE PROVIDED WITH PRE-FABRICATED SINK POD



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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
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DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

FLOOR PLAN - LEVEL 03 -
SECTOR A LIGHTING

E03-03A

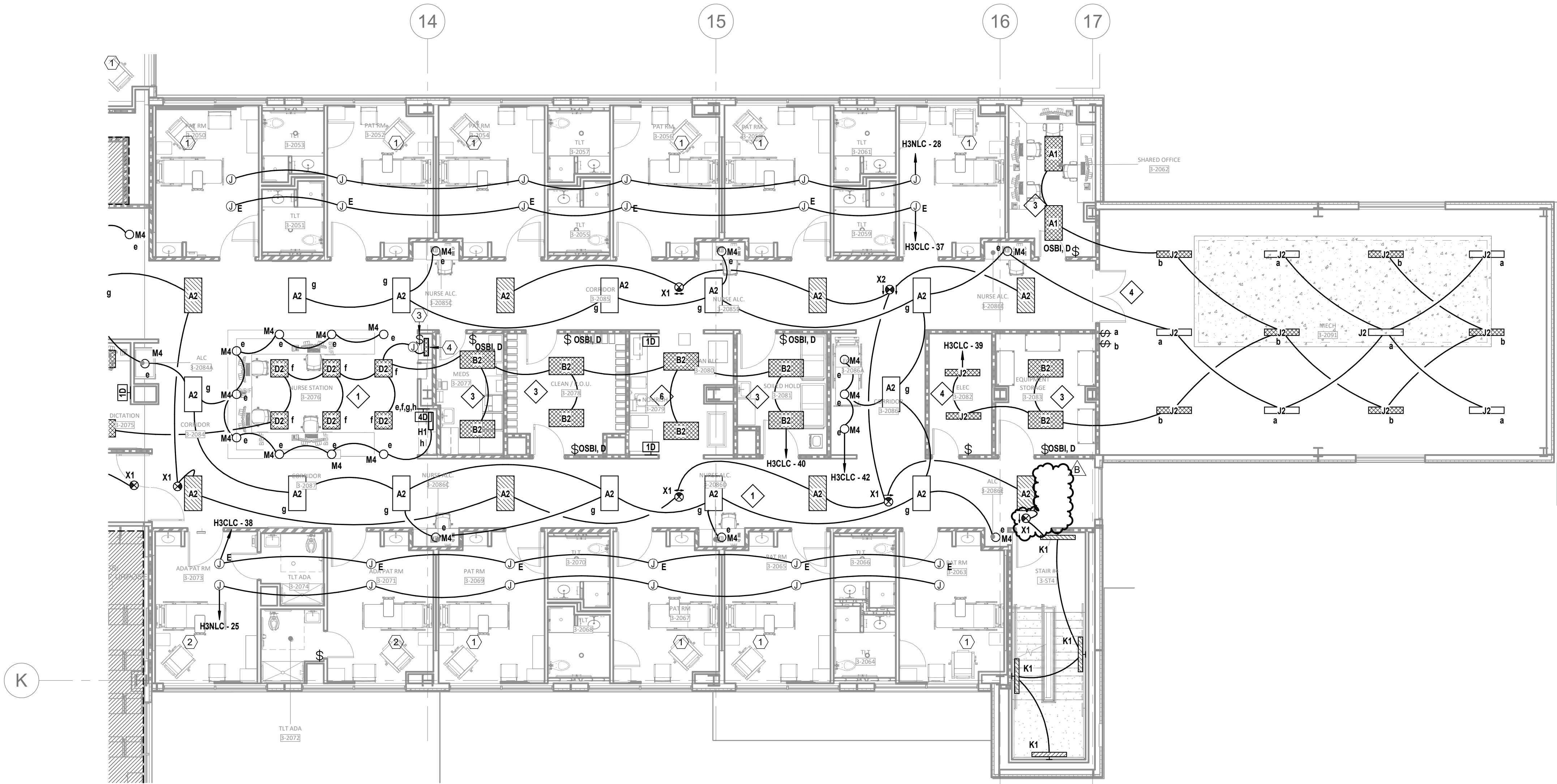
Autodesk Docx / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r223 / MED - LMC Med Surg & Devenney Expansion_r23.rvt 1/29/2025 3:34:06 PM

GENERAL NOTES

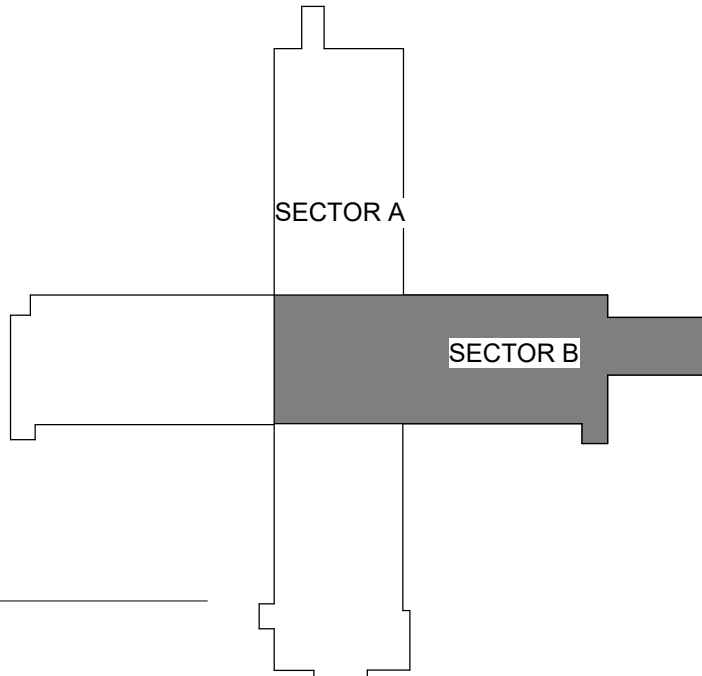
- A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF ALL WIRING DEVICES
- B. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- C. REFER TO SHEET E8-02 FOR LIGHT SCHEDULES
- D. CONTRACTORS SHALL USE FMC TRANSITIONS FROM EMT AT BUILDING EXPANSION JOINTS WHEN APPLICABLE. FMC 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 REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - LIGHTING" ON E5 SERIES FOR TYPICAL LIGHTING LAYOUT
- 2 REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - LIGHTING" ON E5 SERIES FOR TYPICAL LIGHTING LAYOUT
- 3 SWITCH TO BE PROVIDED WITH PRE-FABRICATED WALLS
- 4 LIGHT FIXTURE TO BE PROVIDED WITH PRE-FABRICATED SINK POD



LEVEL 3 - KEY PLAN

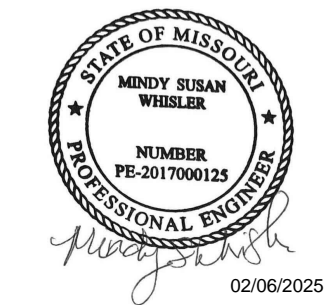


FLOOR PLAN - LEVEL 03 - SECTOR B LIGHTING
1/8" = 1'-0"



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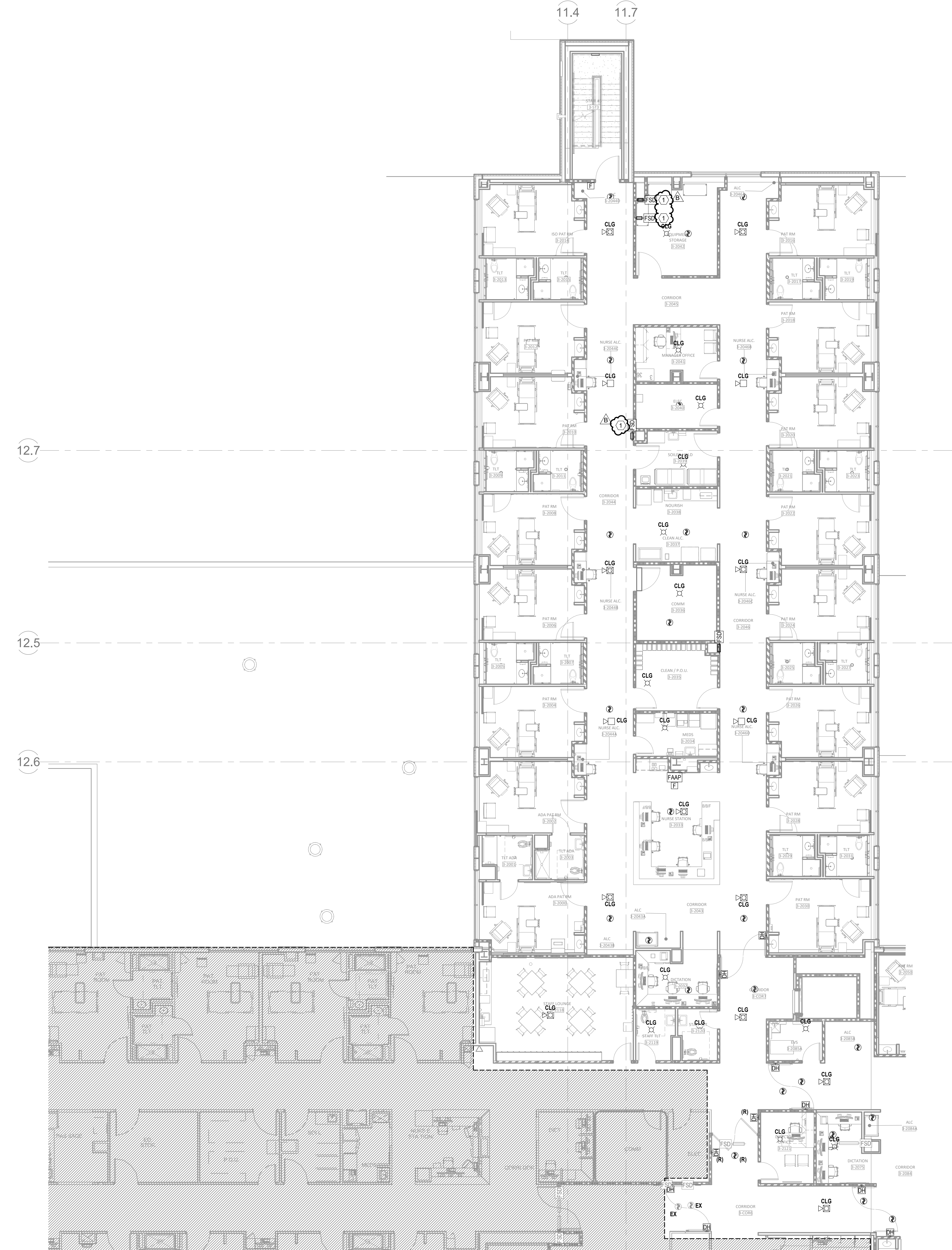
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FLOOR PLAN - LEVEL 03 -
SECTOR B LIGHTING

E03-03B



1 FLOOR PLAN - LEVEL 03 - SECTOR A SPECIAL SYSTEMS
1/8" = 1'-0"

GENERAL NOTES

- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO F/S DAMPERS, VAV BOXES, FCU'S ETC. WITH MECHANICAL DRAWINGS AND DIV 23 CONTRACTOR.
- 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.
- 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.
- 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.
- 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.
- PROVIDE APPROPRIATE EQUIPMENT AND CONNECTION(S) REQUIRED TO RELEASE DOOR HOLDERS UPON ALARM SIGNAL FROM THE FIRE ALARM CONTROL PANEL.
- PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM(S).

LEGEND NOTES

- FIRE SMOKE DAMPER LOCATED BETWEEN LEVEL 02 AND 03. REFER TO M02-02A FOR EXACT LOCATION.



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MISSOURI DHSS

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FACILITY NUMBER:
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FLOOR PLAN - LEVEL 03 -
SECTOR A SPECIAL SYSTEMS

E04-03A

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A. REFER TO SHEET 600-0 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.

B. COORDINATION OF ALL WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO FLS DAMPERS, VAV BOXES, FCUS ETC. WITH MECHANICAL DRAWINGS AND DW/2 CONTRACTOR.

C. DO NOT SCALE DEVICE DRAWINGS FROM THESE DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL DOCUMENTS SPECIFICALLY, REFER TO ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR SPECIALTY.

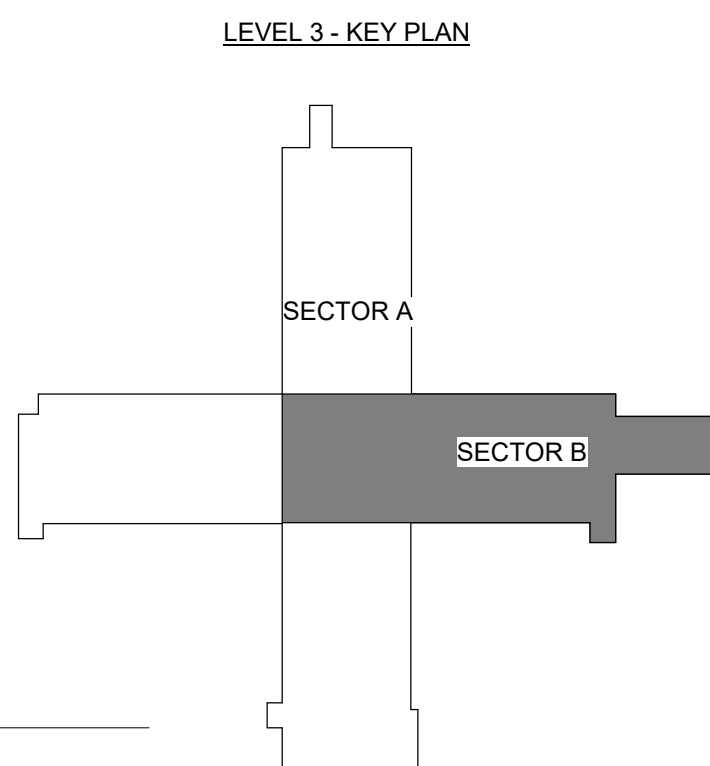
D. DELEGATED DESIGN OF FIRE ALARM PANEL TO DIVISION 28 NOTIFICATION SECTION OR EQUIPMENT MANUFACTURER. PROVIDE ALL NECESSARY INFORMATION TO THE NOTIFICATION APPLIANCES, CONTROL PANELS, ANNUNCIATOR PANELS, AND OTHER PERIPHERAL DEVICES SHOWN ON THESE DOCUMENTS DO NOT CONSTITUTE THE DESIGN OF THE SYSTEM OR THE TYPE OF EQUIPMENT TO BE PROVIDED. THE TYPE AND EQUIPMENT INDICATED ON THESE DOCUMENTS IS SHOWN FOR THE PURPOSE OF COORDINATION ONLY. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS DEFINE THE FUNCTIONAL REQUIREMENTS OF THE 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, RACKWAYS, WIRING, AND SYSTEM PROGRAMMING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE, FULLY OPERATIONAL SYSTEM THAT MEETS ALL SPECIFIED REQUIREMENTS AND LOCAL CODES.

E. SMOKE DETECTOR SENSING SHALL BE PROVIDED AS INDICATED TO HAVE SMOKE DETECTOR COVERAGE THAT DO NOT HAVE A SUSPENDED CLEING (IE. OPEN TO STRUCTURE). PROVIDE ONE DETECTOR PER STRUCTURAL POCKET TO MEET THE REQUIREMENTS OF NFPA 72. PROVIDE DETECTOR COVERAGE TO MEET THE REQUIREMENTS FOR CEILING TYPES AND TO STRUCTURAL SLAB DETAILS FOR SLAB DEPRESSIONS THAT MAY CAUSE CONDITIONS REQUIRING ADDITIONAL DETECTORS.

F. DETECTOR DAMPERS, PROVIDE ONE DETECTOR PER DETECTOR AT EACH SMOKE AND COMBINATION FIRE SMOKE DAMPER LOCATIONS. EACH DAMPER SHALL HAVE A DISCRETE RELEASE FREEMOUNT WITHIN 3 FT. OF THE CONTROLLING COMPONENT; COMMON RELEASE ARE NOT ACCEPTABLE. EXACT DEVICE QUANTITIES AND LOCATIONS SHALL BE SHOWN ON THE DW/2 CONTRACTOR. PROVIDE DETECTOR COORDINATE WITH DIVISION 28 DOCUMENTS, APPROVED SHOP DRAWINGS AND SUBMITTALS AND BETWEEN TRADES WITH HVAC INSTALLER PRIOR TO ROUGH-IN. REFER TO DIVISION 28 AND DIVISION 29 FOR THE DETECTOR COORDINATION.

G. PROVIDE APPROPRIATE EQUIPMENT AND CONNECTIONS REQUIRED TO RELEASE DOOR HOLDERS UPON ALARM SIGNAL. FROM THE FIRE ALARM CONTROL PANEL. PROVIDE DETECTOR CONNECTIONS REQUIRED TO MONITOR KITCHENHOOD SUPPRESSION SYSTEM(S).

1 FIRE SMOKE DAMPER LOCATED BETWEEN LEVEL 02 AND 03, REFER TO M02-02B FOR EXACT



1 FLOOR PLAN - LEVEL 03 - SECTOR B SPECIAL SYSTEMS
1/8" = 1'-0"



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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

AUTHORITY HAVING JURISDICTION'S PROJECT NO

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
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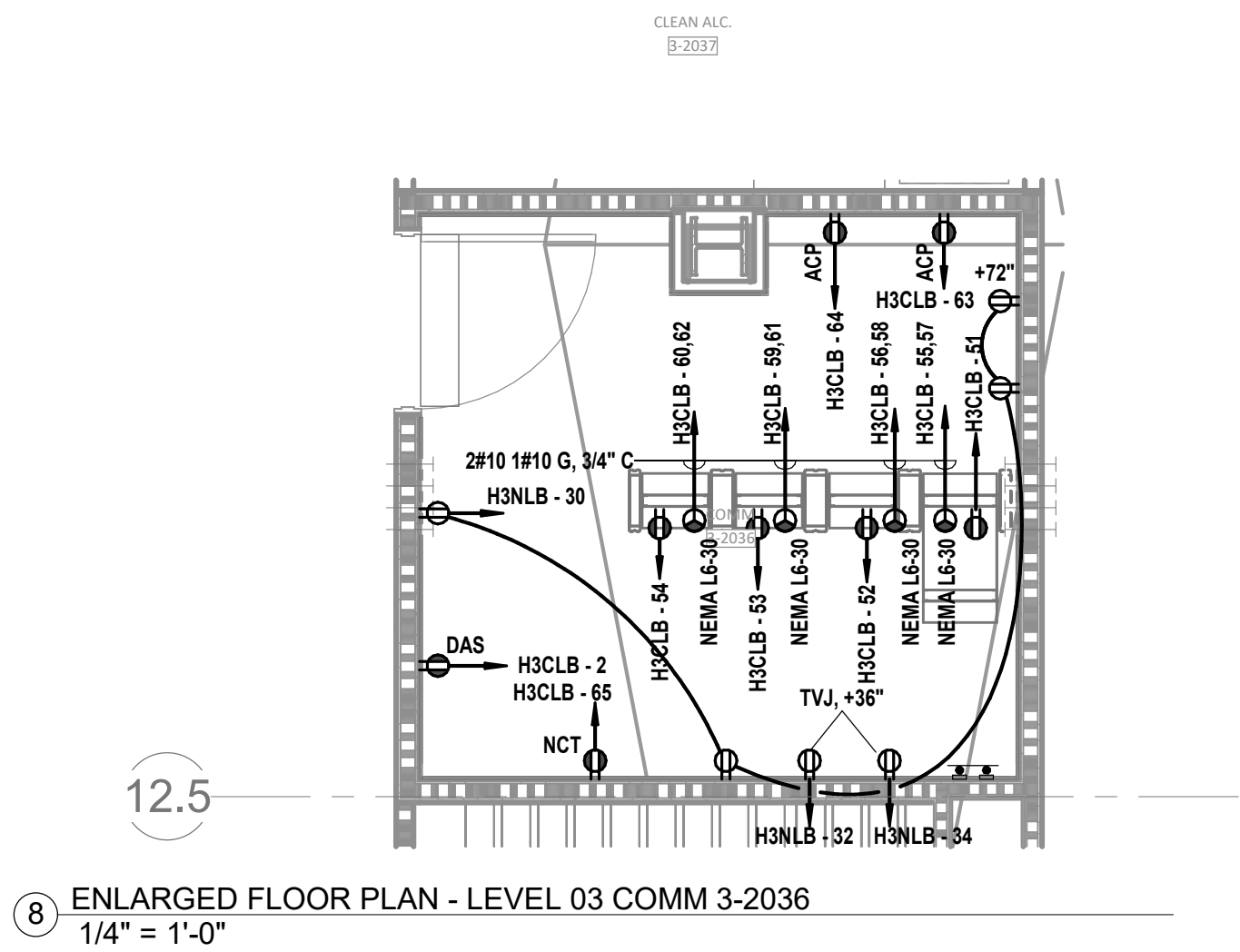
FLOOR PLAN - LEVEL 03 -
SECTOR B SPECIAL SYSTEMS

E04-03B

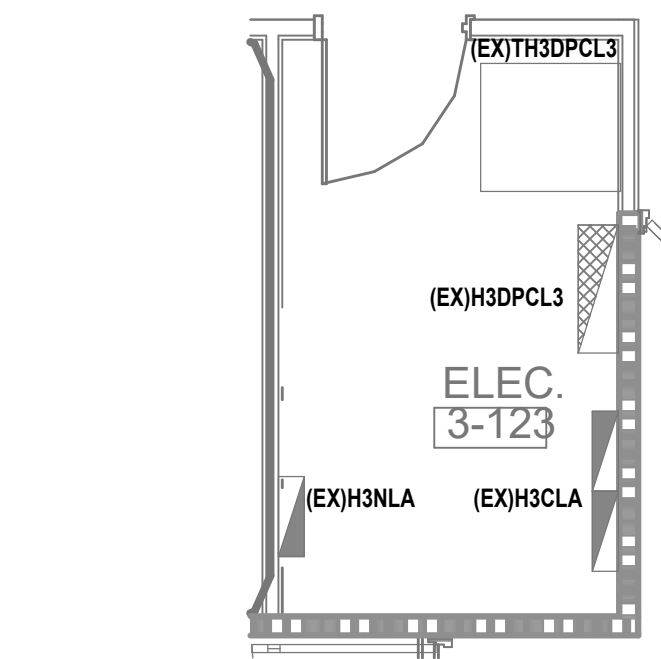
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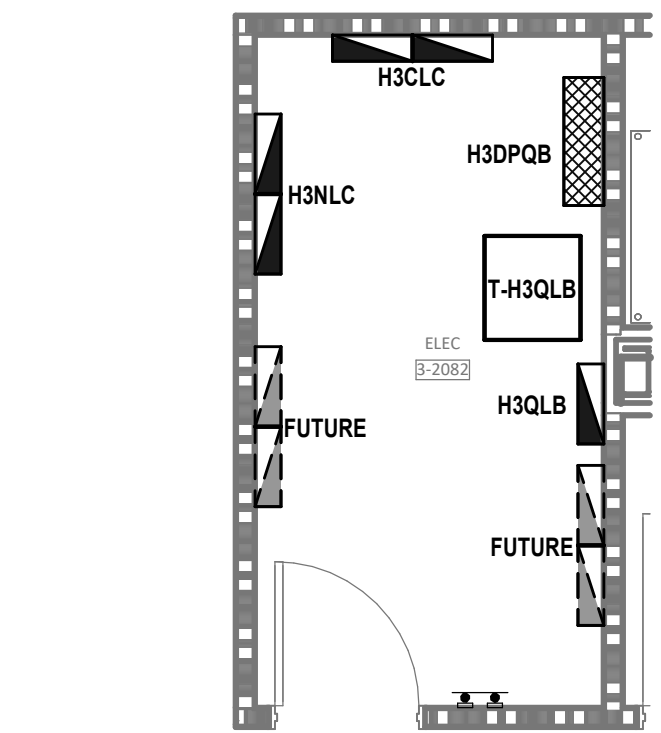
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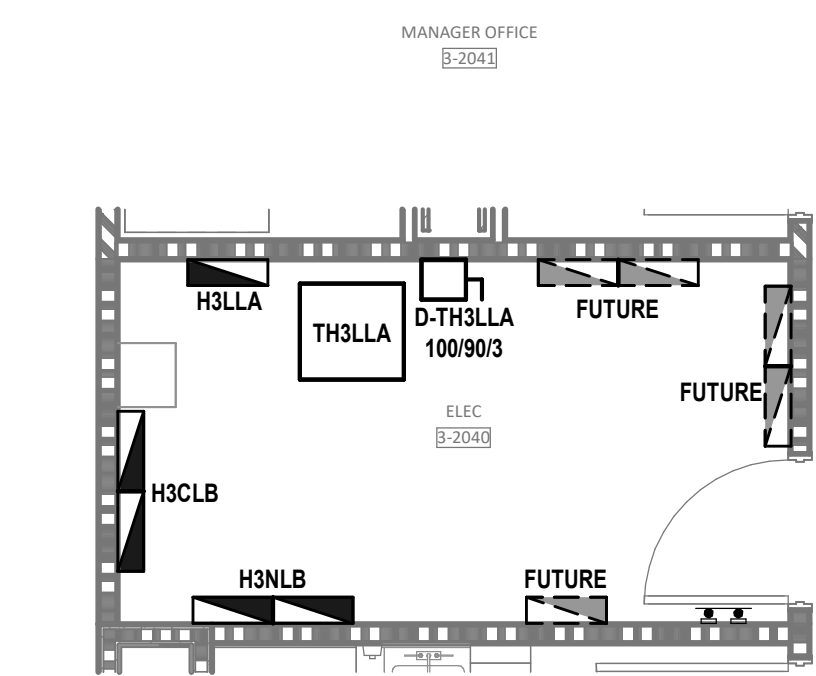
8 ENLARGED FLOOR PLAN - LEVEL 03 COMM 3-2036
1/4" = 1'-0"



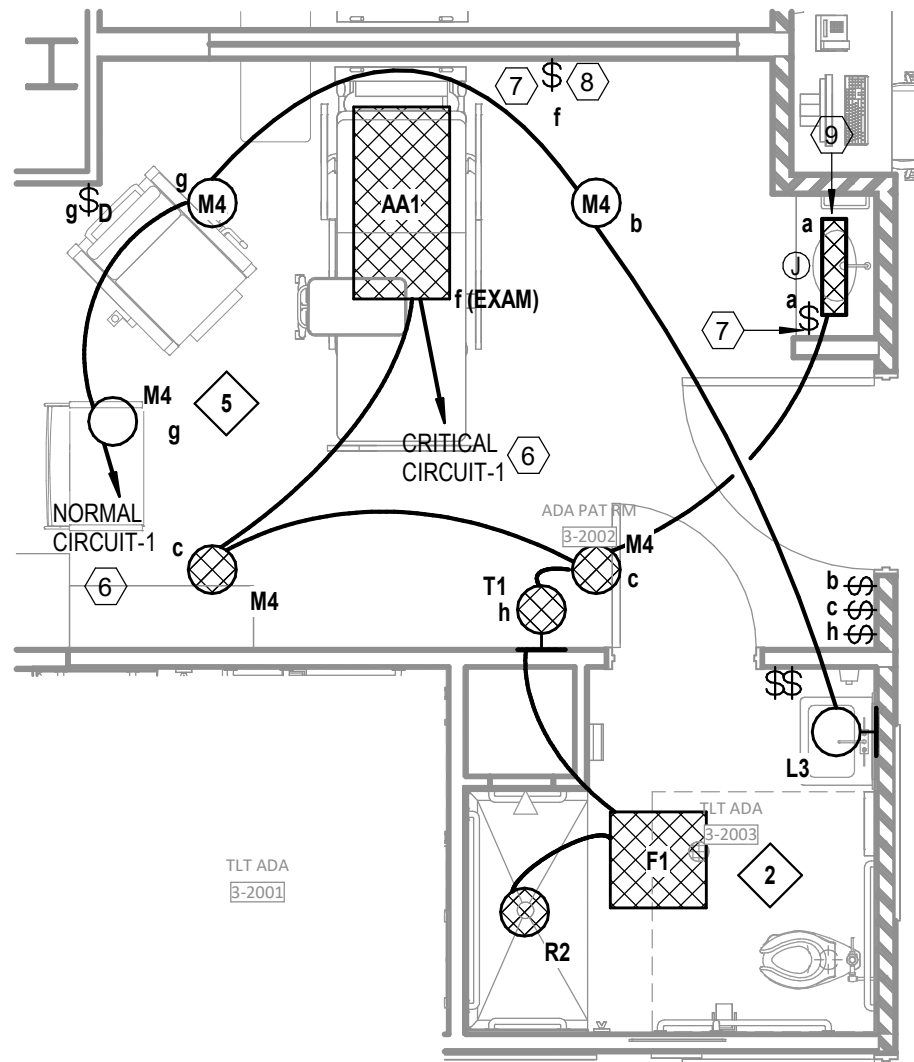
7 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 123 - POWER
1/4" = 1'-0"



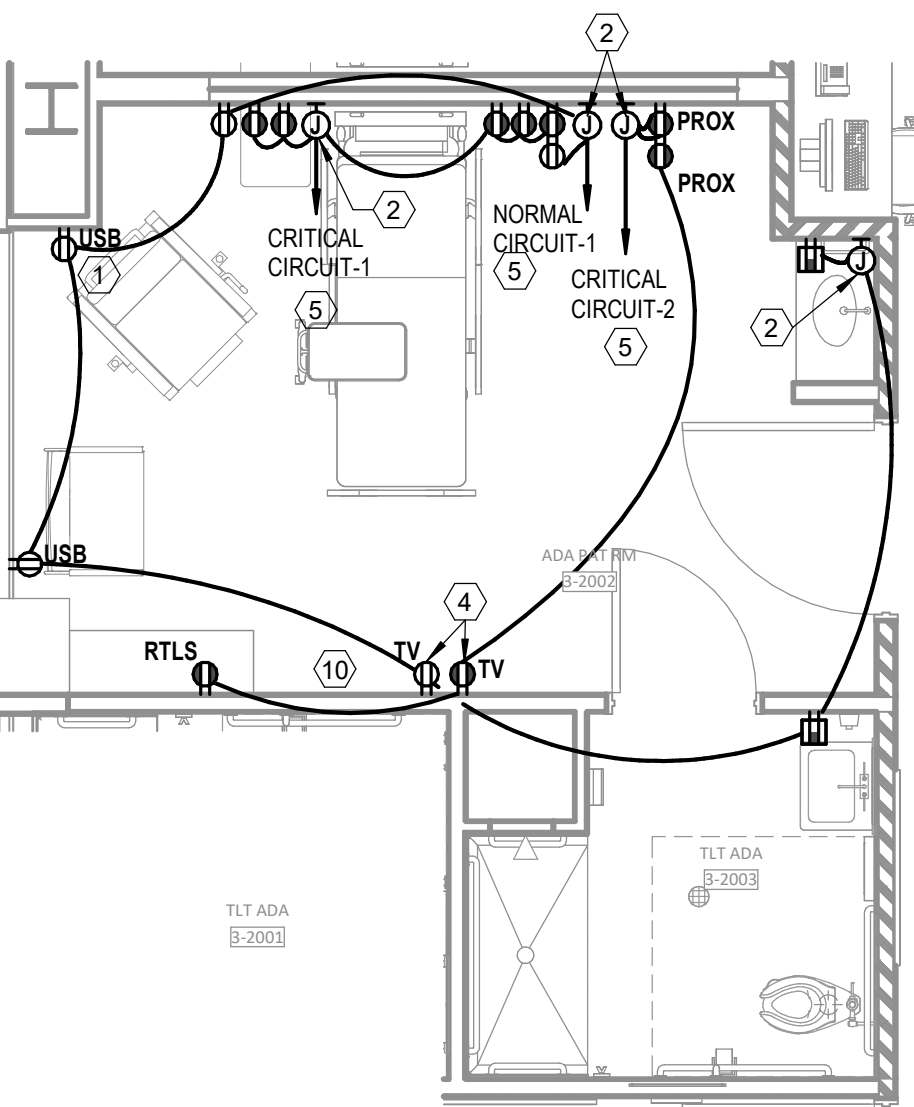
6 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 229 - POWER
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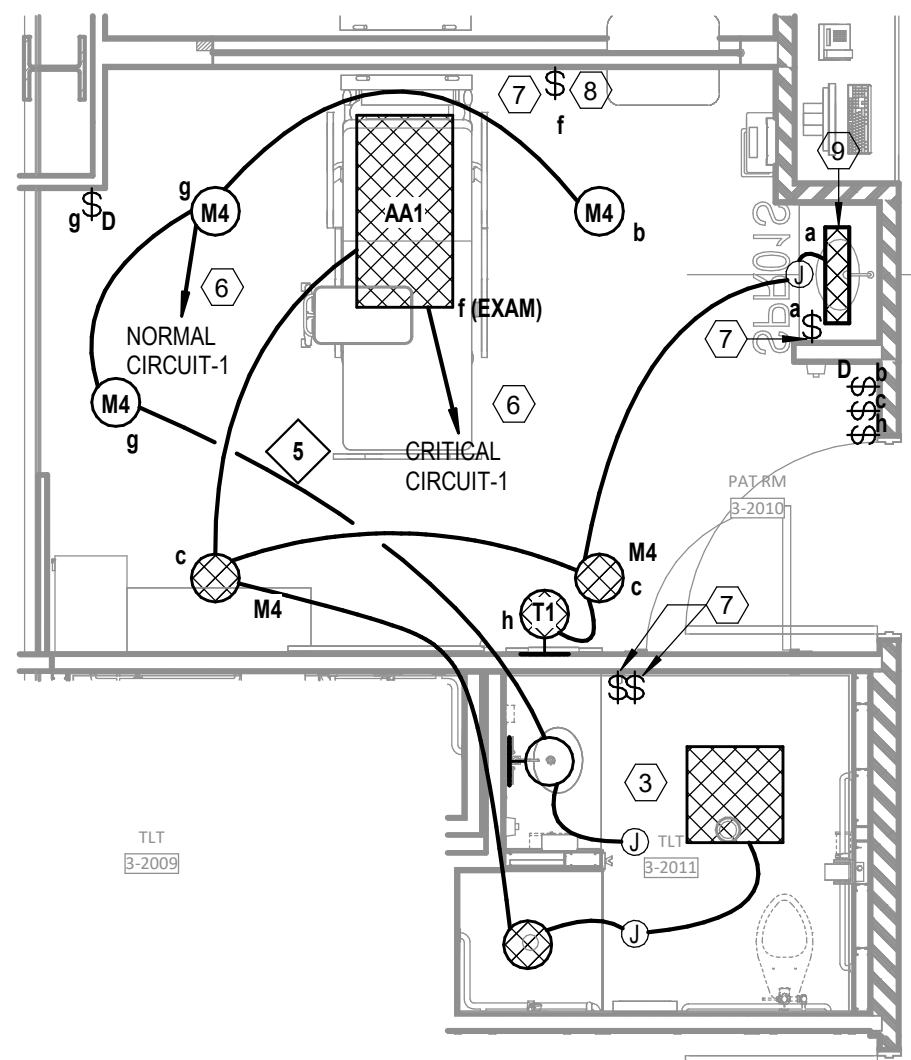
5 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 64 - POWER
1/4" = 1'-0"



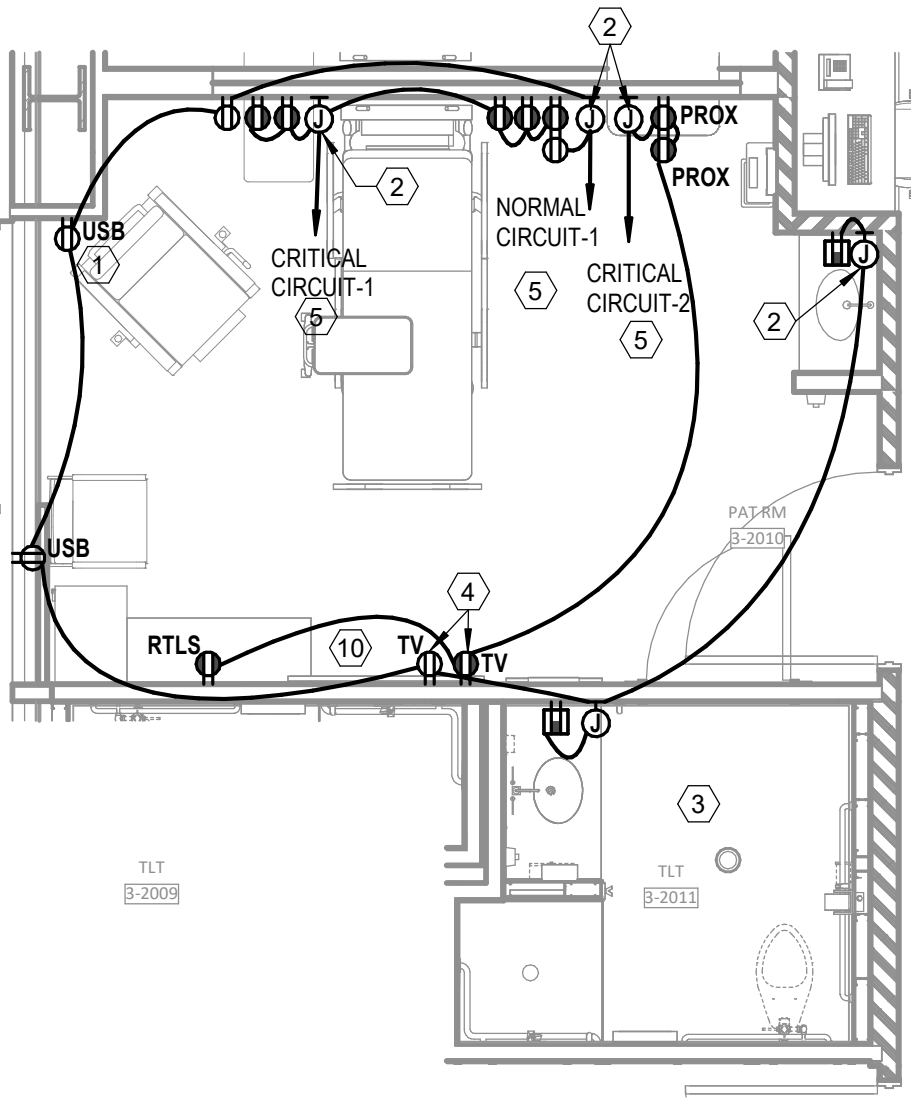
4 FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - LIGHTING
1/4" = 1'-0"



3 FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - POWER
1/4" = 1'-0"



2 FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - LIGHTING
1/4" = 1'-0"



1 FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - POWER
1/4" = 1'-0"

GENERAL NOTES

- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES.
- 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.
- COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

- RECEPTACLE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- RECEPTACLES SHOWN FOR HEADWALL AND SINK WALL ARE FOR REFERENCE ONLY IN THIS ROOM. ALL RECEPTACLES SHALL BE PROVIDED WITH OWNER FURNISHED PRE-FABRICATED WALLS UNLESS OTHERWISE NOTED. ALL CIRCUITRY FROM RECEPTACLE TO RESPECTIVE JUNCTION BOX ABOVE SHALL BE PROVIDED WITH PRE-FABRICATED WALL. CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CIRCUITRY TO JUNCTION BOX AS SHOWN.
- ALL FIXTURE(S), DEVICES(S), CONDUITS, AND CONDUCTORS SHOWN IS FOR REFERENCE ONLY AND PROVIDED WITH OWNER FURNISHED, PRE-FABRICATED POD UNLESS OTHERWISE NOTED. ABOVE CEILING JUNCTION BOXES SHOWN ARE PROVIDED WITH PRE-FABRICATED TOILET. CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CONDUITS AND CONDUCTORS TO JUNCTION BOX AS SHOWN.
- 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.
- REFER TO E2 SERIES FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING.
- REFER TO E3 SERIES FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING.
- SWITCH TO BE PROVIDED WITH PRE-FABRICATED WALLS.
- PROVIDE CONNECTION TO NURSE CALL SYSTEM. THE AMBIENT/READING LIGHT IN THE OVER BED LIGHT FIXTURE TO BE CONTROLLED BY THE PILLOW SPEAKER. LOW VOLTAGE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING LOW VOLTAGE CABLING FROM THE OVER BED LIGHT FIXTURE TO NURSE CALL DEVICE. THE PILLOW SPEAKER SHALL BE PROVIDED WITH TWO SWITCHES FOR INDIVIDUAL CONTROL OF THE AMBIENT/READING LIGHT. COORDINATE THE EXACT LOW VOLTAGE CONTROLLER IN THE OVER BED LIGHT FOR INDIVIDUAL CONTROL. TYPICAL ALL PATIENT ROOMS REFER TO DETAILS ON E00-00.
- LIGHT FIXTURE TO BE PROVIDED WITH PRE-FABRICATED SINK POD.
- CONTRACTOR TO FURNISH AND INSTALL ALL DEVICES IN FOOTWALL.

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ENLARGED PLANS - ELECTRICAL

E05-02

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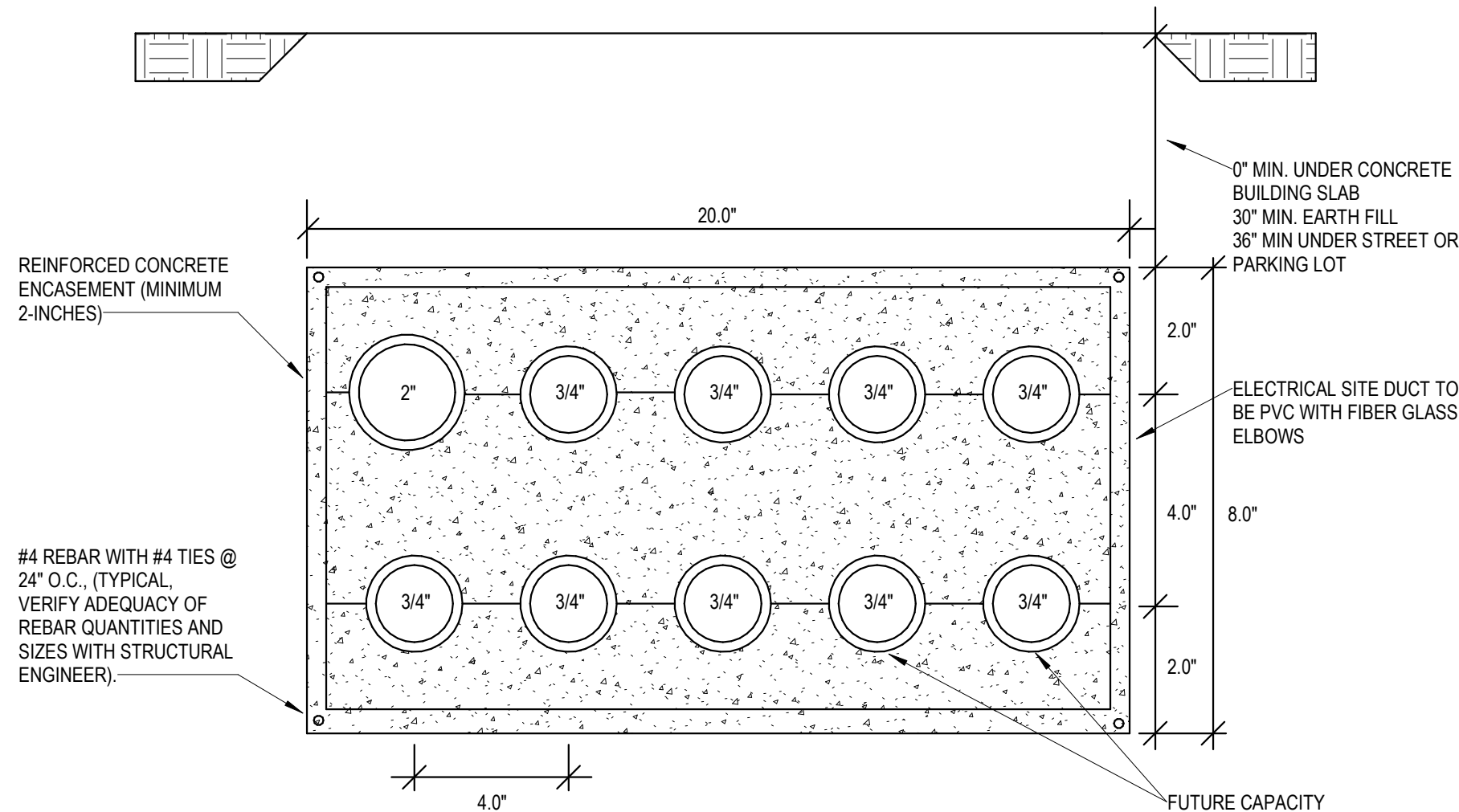
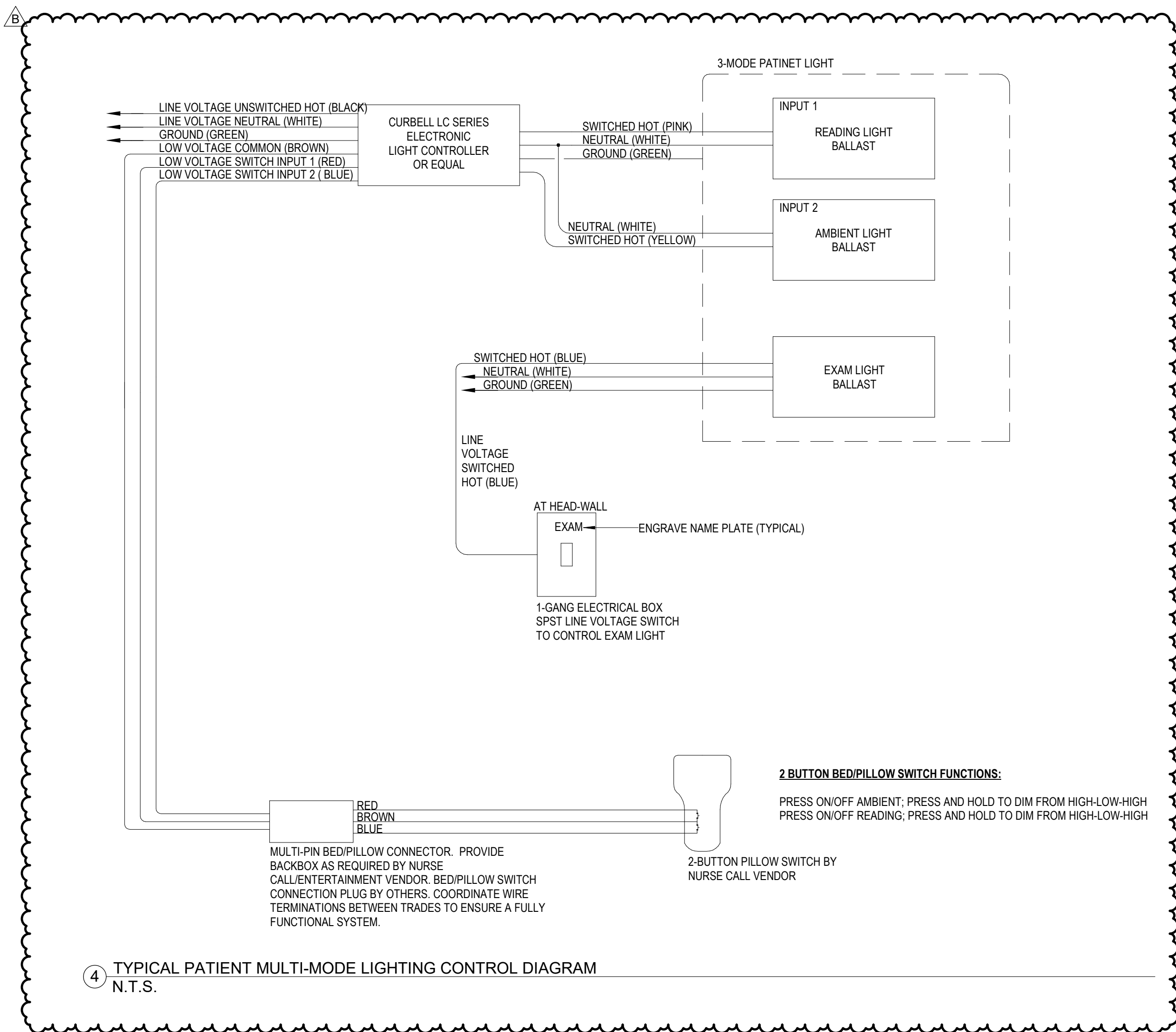
AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/05
SCALE: As indicated
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

DETAILS - ELECTRICAL

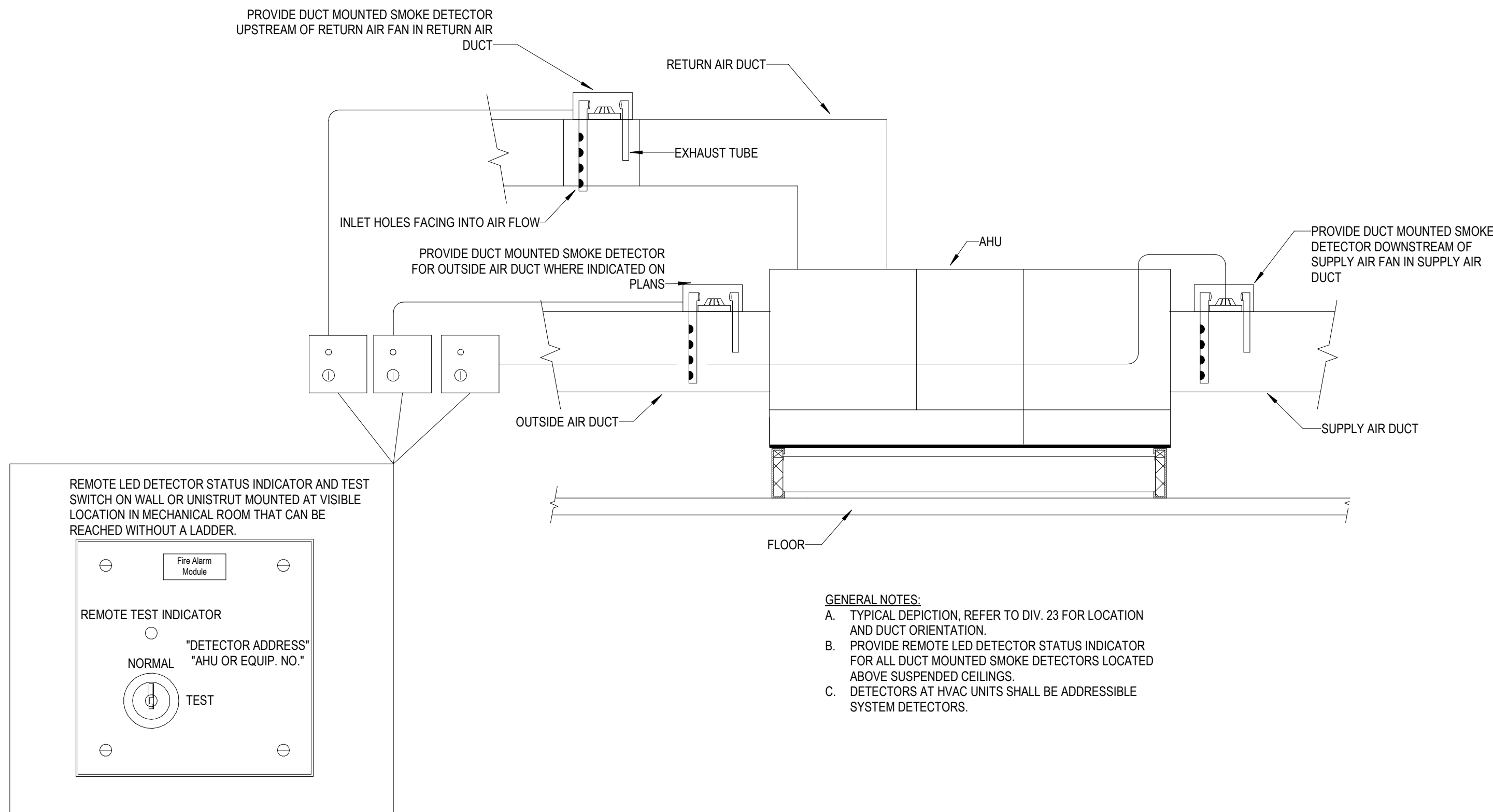
E07-02



SYSTEM INPUTS	PRIORITY										SYSTEM OUTPUTS									
	ALARM	SUPPLY/EXHAUST	TRIGGER	REPORT TO FIRE ALARM CONTROL PANEL	SIGNAL SUPERVISORY STATION	ACTIVATE GENERAL FIRE ALARM ADDRESSABLE NOTIFICATION APPLIANCES	SHUTDOWN INDIVIDUAL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT AND DAMPERS	SHUTDOWN ALL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT FOR EFFECTED FIVE SYSTEMS	CLOSE ASSOCIATED SMOKE DAMPER	SHUTDOWN FAN UNIT	WHITE ELEVATOR RECALL TO PRIMARY FLOOR	WHITE ELEVATOR RECALL TO ALTERNATE FLOOR	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP	WHITE ELEVATOR BRUNT TRIP
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - OPEN																				
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - SHORT																				
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - GROUND																				
FIRE ALARM CONTROL PANEL LOSS OF POWER																				
MANUAL PULL STATION																				
SMOKE DETECTOR - SPOT TYPE																				
SMOKE DETECTOR - DUCT MOUNTED																				
HEAT DETECTOR - SPOT TYPE																				
WATERFLOW ALARM SWITCH																				
VALVE TAMPER SWITCH																				
KITCHEN HOOD SUPPRESSION SYSTEM																				
SMOKE DETECTOR - ELEVATOR LOBBY - PRIMARY FLOOR																				
SMOKE DETECTOR - ELEVATOR LOBBY - ALTERNATE FLOOR(S)																				
SMOKE DETECTOR - ELEVATOR EQUIPMENT ROOM / HOISTWAY																				

CONTRACTOR TO PROVIDE ALL NECESSARY EQUIPMENT AND CONNECTIONS REQUIRED TO ACCOMPLISH THE FUNCTIONS INDICATED, AT MINIMUM.
SEQUENCE OF OPERATIONS INDICATED IS SCHEMATIC. MODIFY TO SUIT EXISTING HOSPITAL CONDITIONS AND MEET APPLICABLE CODE REQUIREMENTS.

② FIRE ALARM
SEQUENCE OF OPERATIONS
N.T.S.



GENERAL NOTES:
A. TYPICAL DEPICTION, REFER TO DIV. 23 FOR LOCATION AND DUCT ORIENTATION.
B. PROVIDE REMOTE LED DETECTOR STATUS INDICATOR FOR ALL DUCT MOUNTED SMOKE DETECTORS LOCATED ABOVE SUSPENDED CEILINGS.
C. DETECTORS AT HVAC UNITS SHALL BE ADDRESSABLE SYSTEM DETECTORS.

ELECTRICAL LUMINAIRE FIXTURE SCHEDULE																			
TYPE	PHYSICAL DESCRIPTION						ELECTRICAL SPECIFICATIONS						MANUFACTURER INFORMATION						
	DESCRIPTION	LOCATION	HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS	
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	4,000	LED	4,000	60000	32	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL4 40L ADP EZ1 LP840		
A2	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	4,000	LED	4,800	60000	39	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL4 48L ADP EZ1 LP840		
AA1	2' x 4' MULTI-MODE PAT TROFFER WITH SEPARATE LIGHTING CONTROLS FOR EXAM AND AMBIENT/READING LIGHTING VIA LOW VOLTAGE CONTROLLER (PILLOW SPEAKER)	PATIENT ROOMS	20 GA. COLD ROLLED STEEL, DIE-CAST EXTRUDED ALUMINUM FRAME	DIFUSE HIGH-EFFICIENCY ACRYLIC LENS	N/A	LOW GLOSS WHITE POWDER COAT	RECESSED CEILING	4,000	LED	4,209	85000	20	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	KENALL	#MPCNG X24-42L/21L/96L-40K8-40K8-DCC-DVLCDF-80 24		
B2	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	PREP/REC, I/TH	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	4,000	LED	10,000	72000	83	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 100L RW EZ1 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	4,000	LED	4,800	72000	36	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 48L RW EZ1 LP840 PAF		
B3K	2' x 4' LED LENSED TROFFER, WET LOCATION LISTED, INVERTED LENS	FOOD SERVICE	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	N/A	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	7,645	72000	53	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 72L FW A12125(NV) EZ1 LP840 ABC		
D2	2' x 2' LED VOLUMETRIC TROFFER	STAFF WORKING	ONE PIECE STEEL	ACRYLIC LINEAR PRISMATIC DIFFUSER	WHITE REGRESSED ALUMINUM DOOR	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,000	60000	33	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL2 40L ADP EZ1 LP840		
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	4,000	LED	3,300	72000	29	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL X 2 33L RW EZ1 LP840		
FK1	2' x 2' LED LENSED TROFFER, WET LOCATION LISTED, INVERTED LENS	FOOD SERVICE	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	N/A	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	5,051	72000	42	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 2 48L FW A12125(NV) EZ1 LP840 ABC		
H1	2' LED UNDERCABINET LIGHT WITH ROCKER SWITCH	UNDERCABINET	20 GA. STEEL HOUSING	HIGH IMPACT ACRYLIC LENS	N/A	ANTIMICROBIAL WHITE, PAINTED AFTER FABRICATION	SURFACE MOUNTED	4,000	LED	1,221	65000	12	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 10%	120	HEALTHCARE-LIGHTING	#HUC523 MVOLT LED40 S1 AM		
J2	4'-0" LED LOW PROFILE LENSED STRIPLIGHT WITH DROP LENS FOR 10% UPLIGHT	STORAGE AND FACILITY	20 GA. HEAVY DUTY STEEL HOUSING	SYMMETRIC REFLECTOR	COLD ROLLED STEEL	WHITE FINISH, PAINTED AFTER FABRICATION	CHAIN HUNG AT 9'-0" A.F.F. LOCATED AROUND EQUIPMENT	4,000	LED	7,000	50000	30	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#ZL1D L48 SMR 7000LM FST MVOLT 40K 80CRI WH PAF		
K1	4'-0" LED PREMIUM LED WALL BRACKET, UP/DOWN LIGHT DISTRIBUTION; FIXTURE DIMS TO APPROXIMATELY 50% LIGHT OUTPUT WHEN UNOCCUPIED; LIGHTS WILL AUTOMATIC DIM BASE ON AVAILABLE DAYLIGHT.	STAIRS	NORMAL 2.5" X 4.375" EXTRUDED ALUMINUM HOUSING	0.125" HIGH-IMPACT CLEAR PRISMATIC ACRYLIC DIFFUSE	DIE CAST END PLATES	RAL#7046 FINISH, PAINTED AFTER FABRICATION	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	LED	4,800	50000	23	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	MARK ARCHITECTURAL LIGHTING	#S2LWID MSL4 90CRI 40K 600LMF 180CRI 40K 600LMF MINI SCT MVOLT RAL#7046 ZT		
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	4,000	LED	1,932	60000	14	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	WINONA	#WFW4608 24LNG LEDX2 40K MVOLT OAE BA MEZ126783-MOD		
M1	6' LED DOWNLIGHT WITH 45 DEGREE CUT OFF	PUBLIC AND CORRIDOR	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERTURE	MATTE WHITE SELF-FLANGED, SEMI-SPECULAR FINISH	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	6,000	60000	10	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EV06 40/10 AR MWD LSS MVOLT GZ10		
M2	6' LED DOWNLIGHT WITH 45 DEGREE CUT OFF	FOOD SERVICE	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERTURE	MATTE WHITE SELF-FLANGED, SEMI-SPECULAR FINISH	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	1,500	60000	15	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EV06 40/15 AR MWD LSS MVOLT GZ10		
M4	6' LED DOWNLIGHT WITH 45 DEGREE CUT OFF	PATIENT ROOMS	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERTURE	MATTE WHITE SELF-FLANGED, SEMI-SPECULAR FINISH	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	2,000	60000	20	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EV06 40/20 AR MWD LSS MVOLT GZ10		
N2	RECESSED CONTINUOUS LINEAR	DINING	EXTRUDED ALUMINUM, 20 GA. COLD ROLLED STEEL	PRECISION FORMED STEEL	N/A	NATURAL ALUMINUM HOUSING, HIGH REFLECTANCE MATTE WHITE FASCIA	RECESSED CEILING, VERIFY CEILING TYPE PRIOR TO ORDERING	4,000	LED	345	50000	32	LF	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	MARK ARCHITECTURAL LIGHTING	#SL8L LOP 8FT FLP 80CRI 40K 400LMF MINI 120V ZT		
N3	RECESSED CONTINUOUS LINEAR	DINING	EXTRUDED ALUMINUM, 20 GA. COLD ROLLED STEEL	PRECISION FORMED STEEL	N/A	NATURAL ALUMINUM HOUSING, HIGH REFLECTANCE MATTE WHITE FASCIA	RECESSED CEILING, VERIFY CEILING TYPE PRIOR TO ORDERING	4,000	LED	345	50000	24	LF	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	MARK ARCHITECTURAL LIGHTING	#SL8L LOP 8FT FLP 80CRI 40K 400LMF MINI 120V ZT		
R2	6' LED SHOWER LIGHT, IP 65 RATED	RESTROOM	20 GA. STEEL HOUSING	ALUMINUM DIE CAST REFLECTOR	REGRESSED PRISMATIC LENS	SPECULAR CLEAR ALZAK REFLECTOR FINISH	RECESSED GYPSUM BOARD OR LAY IN CEILING, VERIFY CEILING TYPE BEFORE ORDERING	4,000	LED	1,000	60000	10	EACH	LED DRIVER	120	GOTHAM	#EV06 40/10 DFR MVOLT EZ1		
T1	RECTANGULAR LED NIGHT LIGHT	PATIENT ROOMS	HEAVY GAUGE STEEL FACEPLATE	N/A	N/A	POLYESTER POWDERCOAT FINISH	RECESSED IN WALL AT 20" A.F.F. TO CENTERLINE OF FIXTURE	3,000	LED	0	50000	1	EACH	LED DRIVER	120	HEALTHCARE-LIGHTING	#HNL610 MVOLT LED30 AM		
X1	LED DECORATIVE RECESSED EDGE-UT EXIT LIGHT, SINGLE FACE	EGRESS	20 GA. GALVANIZED STEEL	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	LED	10	87600	1	EACH	N/A	120	LITHONIA	#LRP 1 RMR 120/277		
X2	LED DECORATIVE RECESSED EDGE-UT EXIT LIGHT, DOUBLE FACE	EGRESS	20 GA. GALVANIZED STEEL	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	LED	15	87600	2	EACH	N/A	120	LITHONIA	#LRP 2 RMR 120/277		

EXTERIOR ELECTRICAL LUMINAIRE FIXTURE SCHEDULE																		
TYPE	PHYSICAL DESCRIPTION											ELECTRICAL SPECIFICATIONS					MANUFACTURER INFORMATION	
	DESCRIPTION	LOCATION	HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS
M1	6' LED DOWNLIGHT WITH 45 DEGREE CUT OFF	CANOPY	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERTURE	MATTE WHITE SELF-FLANGED, SEMI-SPECULAR FINISH	RECESSED	4,000	LED	1,500	60000	12	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EV06 40/15 AR MWD LSS MVOLT GZ10	
S1	ARCHITECTURAL SINGLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TGIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 26" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSXLED-20C-1000-40K-BLC-MVOLT-RPA-DD BXD AND POLE RSA-20	
S2	ARCHITECTURAL DOUBLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TGIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 26" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSXLED-20C-1000-40K-BLC-MVOLT-RPA-DD BXD AND POLE RSA-20	
S3	BOLLARD LED SQUARE FLAT TOP	EXTERIOR SITE	N/A	N/A	N/A	TGIC POWDER COAT FINISH IN BLACK	SURFACE MOUNTED	5,000	LED	1,535	50000	72	EACH	LED DRIVER	120	HYDREL	#3140C-H42-80CB-50K-MVOLT-FT-BL	
SR1	ILLUMINATED RAIL	BRIDGE	STAINLESS STEEL	CLEAR LENS	N/A	STAINLESS STEEL 316	REFER TO MANUFACTURE SPEC SHEET	4,000	LED	8,000	60000	160	EACH	LED DRIVER	277	VIVA RAILINGS	#RR LIN 1.5 316 40K H CL 0	
Z1	LED TRAPEZOIDAL WALL PACK WITH PHOTOCELL, WIDE DISTRIBUTION	EXTERIOR	DIE-CAST ALUMINUM, DIE-CAST DOOR FRAME WITH SOLID SILICONE GASKET, IP65	N/A	FULL CUTOFF	THERMOSET POWDER COAT FINISH, DARK BRONZE, CONFIRM WITH ARCHITECT	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	N/A	1,500	100000	<varies >	EACH	LED DRIVER	120	LITHONIA	#WST LED P1 40K VW MVOLT PE DDBXD	

LIGHTING CONTROL REQUIREMENTS AND SEQUENCE OF OPERATIONS											
TAG	SPACE TYPES	CONTROL		MANUAL CONTROL/OVERRIDE		OCCUPANCY SENSOR		PHOTOCELL CONTROL			
		CONTROL DESCRIPTION		CONTROL SYSTEM TYPE		SET POINT					
		MANUAL ON TO 100%, MANUAL OFF, DIMMING VIA MANUAL CONTROLS	STAND-ALONE	LINE VOLTAGE SWITCH	DURATION	TYPE/LOCATION	SET POINT				
1	PUBLIC AREAS, RECEPTION, CORRIDORS	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			
2	RESTROOMS/TOILET	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			
3	ENCLOSED ROOMS (OFFICE, BREAK, SUPPORT, ETC)	MANUAL ON/OFF	STAND-ALONE	LINE VOLTAGE SWITCH	N/A	N/A	N/A	MANUAL ON/OFF/DIM			
4	ELECTRICAL, MECHANICAL, COMM ROOMS	MANUAL ON/OFF/DIM	STAND-ALONE	LINE VOLTAGE SWITCH	N/A	N/A	N/A	MANUAL ON/OFF/DIM			
5	PATIENT CARE AREAS	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LINE VOLTAGE SWITCH	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			
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			

Devenney
GROUP

Devenney Group Ltd., Architects

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Scottsdale, AZ 85251

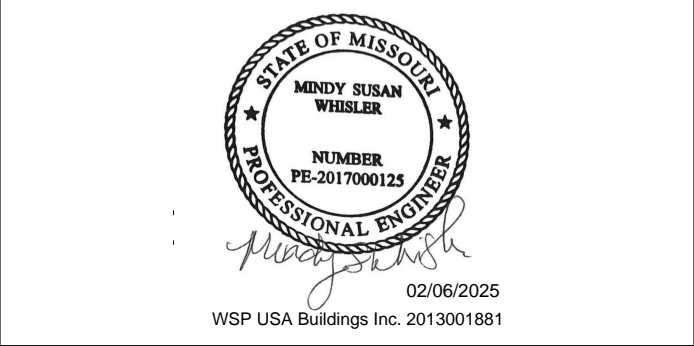
T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

WSP USA Building Inc. 2013001881



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INPATIENT BED
EXPANSION

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

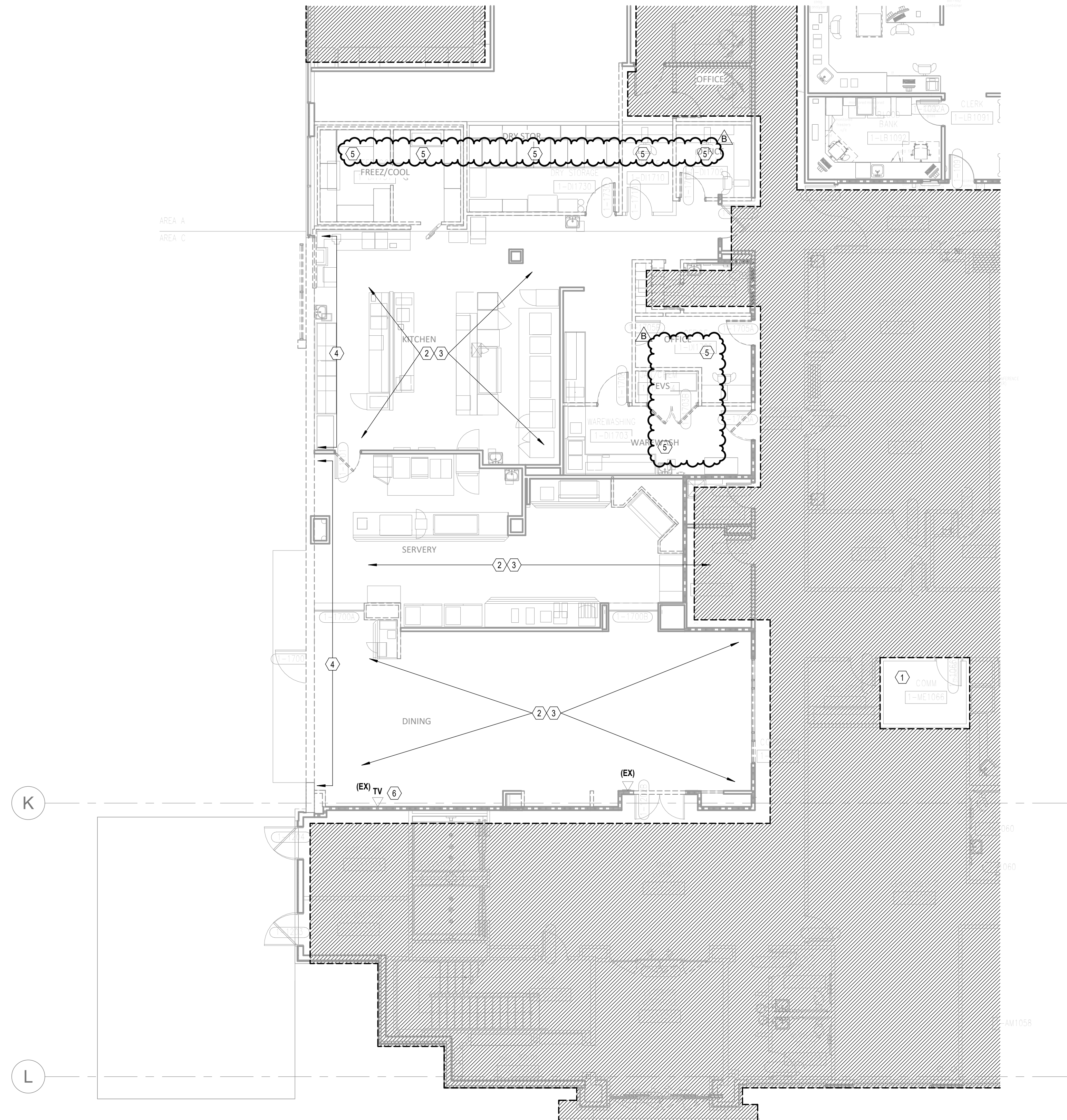
DATE:	2024/12/05
SCALE:	
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

SCHEDULES - ELECTRICAL

E08-02

Autodesk Docs / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23 / MED - LMC Med Surg & Deeney Expansion - r23.rvt 1/29/2025 3:34:31 PM 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.

NEW: M1NLKB										NORMAL									
LOCATION: ELEC 1-1303					FED FROM: M1DPNL1					NEUTRAL BUS: YES									
MAIN BUS: 225 A					WIRES: 4W + G					GROUND BUS: YES									
MCB: 225A					ENCLOSURE: NEMA 1					BUS TYPE: COPPER									
VOLTAGE: 120/208 WYE					MOUNTING: SURFACE					ISOLATED GROUND BUS: NO									
AIC AVAILABLE: 3882 A					PANEL LUGS: MCB					200% NEUTRAL: NO									
AIC RATING: 10000 A					NUMBER OF SECTIONS: 2					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	RCPT - OFFICES	1,080	20 1				1	20	RCPT - DINING EXPANSION 1-1300	2									
3	RCPT - MONITORS - SERVERY	360	20 1				1	20	RCPT - POS - SERVERY EXPANSION B...	4									
5	RCPT - PRT - SERVERY EXPANSION B...	180	20 1				1	20	RCPT - POS - SERVERY EXPANSION B...	6									
7	RCPT - PRT - SERVERY EXPANSION B...	180	20 1				1	20	RCPT - SERVERY EXPANSION B 1-11	8									
9	JB - HEATED CABINET - SERVERY...	1,705	20 2				1	20	RCPT - KITCHEN 1-1306	10									
11	--	--	--				1	1,920	RCPT - HEATED CABINET - KITCHEN...	12									
13	RCPT - SKILLET - KITCHEN EXPANSION...	180	20 1				1	20	STEAMER - KITCHEN EXPANSION 1-1306	14									
15	SHUNT TRIP	--	--				1	--	SHUNT TRIP	16									
17	RCPT - OVEN - KITCHEN EXPANSION...	1,176	20 1				1	20	RCPT - OVEN - KITCHEN EXPANSION...	18									
19	SHUNT TRIP	--	--				1	--	SHUNT TRIP	20									
21	RCPT - OVEN - KITCHEN EXPANSION...	1,440	20 1				1	20	RCPT - OVEN - KITCHEN EXPANSION...	22									
23	SHUNT TRIP	--	--				1	--	SHUNT TRIP	24									
25	HOOD LIGHTS	1,800	20 1				9	2,015	MIXER - KITCHEN EXPANSION 1-1306	26									
27	SHUNT TRIP	--	--				1	--	--	28									
29	RCPT - KITCHEN EXPANSION 1-1306	540	20 1				--	--	--	30									
31	RCPT - KITCHEN EXPANSION 1-1306	360	20 1				--	180	RCPT - MICRO MARKET 1-1302	32									
33	ICE MAKER - KITCHEN EXPANSION...	1,380	20 1				1	20	--	34									
35	SPARE	--	20 1				1	20	--	36									
37	SPARE	--	20 1				1	20	--	38									
39	SPARE	--	20 1				1	20	--	40									
41	SPARE	--	20 1				1	20	--	42									
43	SPARE	--	20 1				1	20	--	44									
45	SPARE	--	20 1				1	20	--	46									
47	SPARE	--	20 1				1	20	--	48									
49	SPARE	--	20 1				1	20	--	50									
51	SPARE	--	20 1				1	20	--	52									
53	SPARE	--	20 1				1	20	--	54									
55	SPARE	--	20 1				1	20	--	56									
57	SPARE	--	20 1				1	20	--	58									
59	SPARE	--	20 1				1	20	--	60									
61	SPARE	--	20 1				1	20	--	62									
63	SPARE	--	20 1				1	20	--	64									
65	SPARE	--	20 1				1	20	--	66									
67	SPARE	--	20 1				1	20	--	68									
69	SPARE	--	20 1				1	20	--	70									
71	SPARE	--	20 1				1	20	--	72									
73	SPARE	--	20 1				1	20	--	74									
75	SPARE	--	20 1				1	20	--	76									
77	SPARE	--	20 1				1	20	--	78									
79	LOAD CENTER #41 - SERVERY...	13,776	125 3				1	20	--	80									
81	--	--	--				1	20	--	82									
83	--	--	--				1	20	--	84									
87 A / 112 A / 111 A																			
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)		PANEL TOTALS				KVA	AMPS									
KTCH		9,187	5,972																
MISC		18,971	18,971																
RCPT		8,280	8,280																
TOTAL CONNECTED LOAD:									36.4	101.1									
TOTAL ESTIMATED DEMAND:									33.2	92.2									
NOTES: * INDICATES GFCI BREAKER																			



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

GENERAL NOTES:

- 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 OUTCOME 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.
- 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.
- PROVIDE FOR ANY AND ALL DEMOLITION WORK NECESSARY TO ACCOMMODATE ALL NEW CONSTRUCTION, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING AND/OR ELECTRICAL WORK.
- WHERE EXISTING WALLS ARE BEING DEMOLISHED, REMOVE ALL EXISTING COMMUNICATIONS/LOW VOLTAGE DEVICES AND THEIR ASSOCIATED CONDUITS, BACKBOXES AND CABLING BACK TO POINT OF ORIGIN. EXISTING CABLING PASSING THROUGH DEMO AREA, NOT BEING DEMOLISHED, SHALL BE SUPPORTED UTILIZING JHOOK CABLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE THE REMOVAL OR RELOCATION OF ALL COMMUNICATIONS/LOW VOLTAGE DEVICES (INCLUDING BUT NOT LIMITED TO VOICE, DATA, OVERHEAD PAGING, VIDEO SURVEILLANCE CAMERAS, PHYSIOLOGICAL MONITORING, TELEMETRY, NURSE CALL, SECURITY ACCESS CONTROL, ETC.) WITH ARCHITECTURAL DRAWINGS.
- 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 OCCURED. CONTRACTOR SHALL OBTAIN WRITTEN ACCEPTANCE OF RESTORATION FROM OWNER. 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.
- WHERE AREAS BEING DEMOLISHED CONTAIN INFANT PROTECTION SYSTEM (IPS) DEVICES, CONTRACTOR SHALL DISABLE IPS EQUIPMENT AND PROVIDE INTERIM SYSTEM PROGRAMMING PRIOR TO REMOVAL TO PREVENT FALSE ALARMING AND LOCKDOWN OF DEMOLITION AREA.

LEGEND NOTES

- LOCATION OF EXISTING COMMUNICATIONS IDF ROOM CURRENTLY SERVING AREA. CONTRACTOR SHALL COORDINATE WITH OWNERS 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 ORIGIN.
- DOCUMENT EXISTING LOCATIONS OF ALL CEILING DEVICES WITHIN THIS AREA. REMOVE, CLEAN, STORE AND PROTECT EXISTING CABLING IN PLACE. AFTER NEW CEILING HAS BEEN INSTALLED, CONTRACTOR SHALL REINSTALL EXISTING DEVICES INTO NEW CEILINGS AT PREVIOUSLY DOCUMENTED LOCATIONS. REPLACE DAMAGED DEVICES AND HARDWARE AS REQUIRED.
- EXISTING WALL DEVICES SHALL BE REMOVED FROM WALLS AND CABLING PROTECTED IN PLACE TO ALLOW NEW WALL COVERING. CONTRACTOR SHALL PROVIDE NEW DEVICE PLATES AND REINSTALL TO WALLS AT PREVIOUS LOCATIONS.
- EXISTING WALL MOUNTED DEVICES AND ASSOCIATED CABLING, CONDUIT AND BACKBOXES WITHIN WALL/AREA SHALL BE DEMOLISHED TO POINT OF ORIGIN. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY JHOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- EXISTING WALL MOUNTED AND CEILING DEVICES AND ASSOCIATED CABLING, CONDUIT AND BACKBOXES WITHIN WALL/AREA SHALL BE DEMOLISHED TO POINT OF ORIGIN. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY JHOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- EXISTING TELEVISION OUTLET BOX SHALL BE REPLACED WITH NEW ARLINGTON AV BACKBOX AT THIS LOCATION. RELOCATE EXISTING TELEVISION COAX AND POWER AS REQUIRED. ADD AN ADDITIONAL NETWORK OUTLET TO THIS LOCATION.

Devenney
GROUP

Devenney Group Ltd., Architects

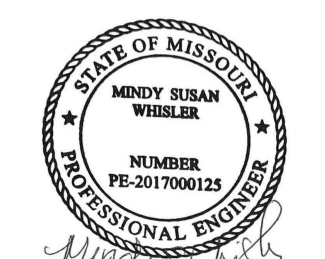
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Consultant:

WSP



02/06/2025
WSP USA Buildings Inc. 2013001881

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INPATIENT BED EXPANSION

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE: 2024/12/03
SCALE: 1/8" = 1'-0"
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

DEMOLITION PLAN - LEVEL
1 - SECTOR A - KITCHEN,
SERVERY & DINING -
COMMUNICATIONS

TD02-01

Autodesk Docx/6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23/MEP - LSCM Med Surg & Dietary Expansion_r23.rvt 1/29/2025 5:01:03 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.