

Devenney
GROUP

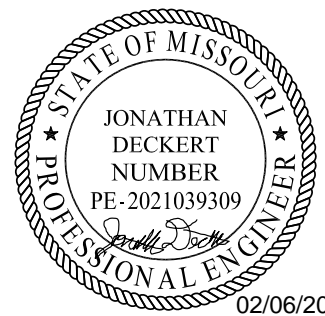
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



02/06/2025
SP 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:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

UNDERFLOOR PLAN - PLUMBING

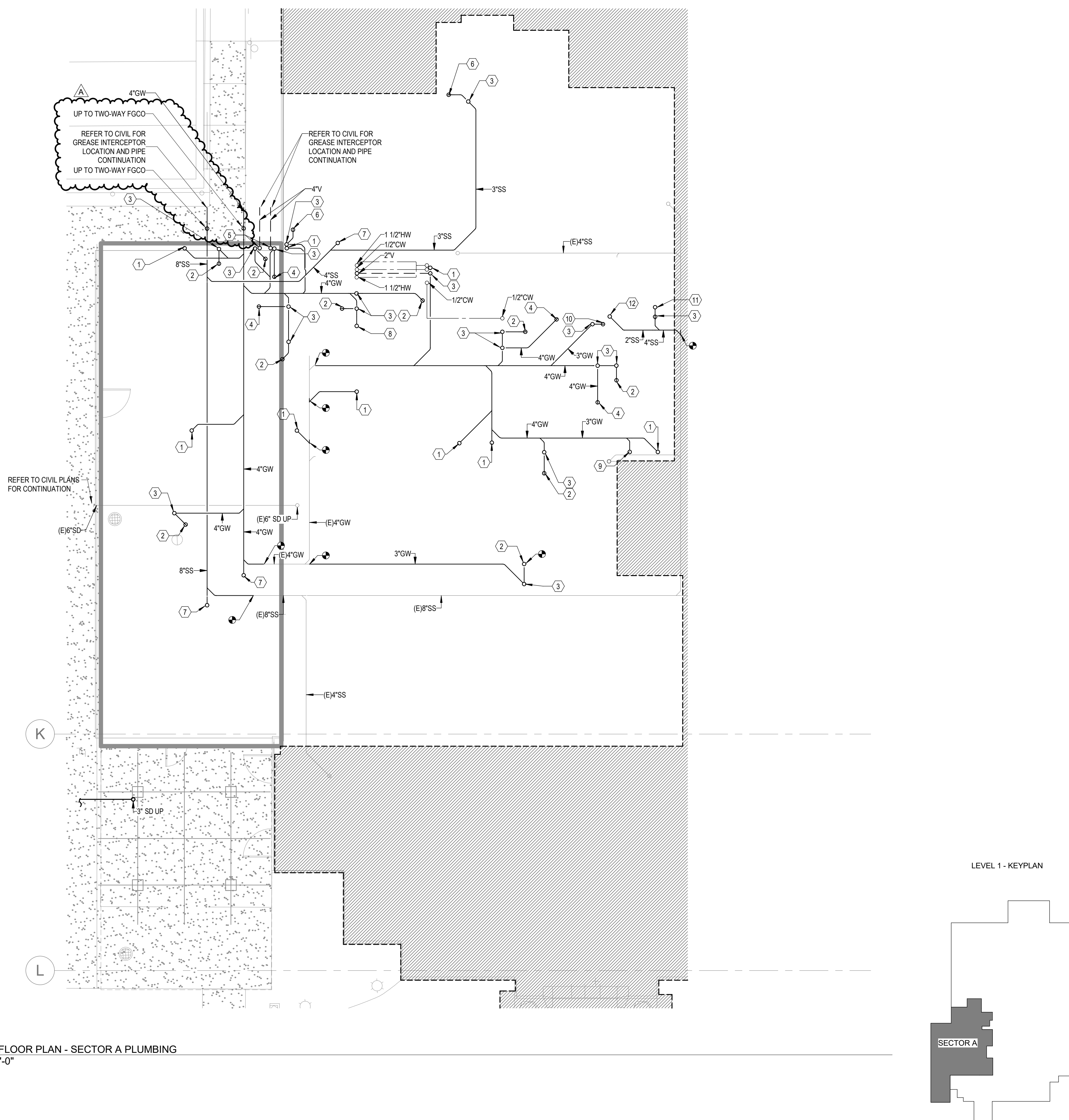
P02-00

GENERAL NOTES

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

LEGEND NOTES

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.



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



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

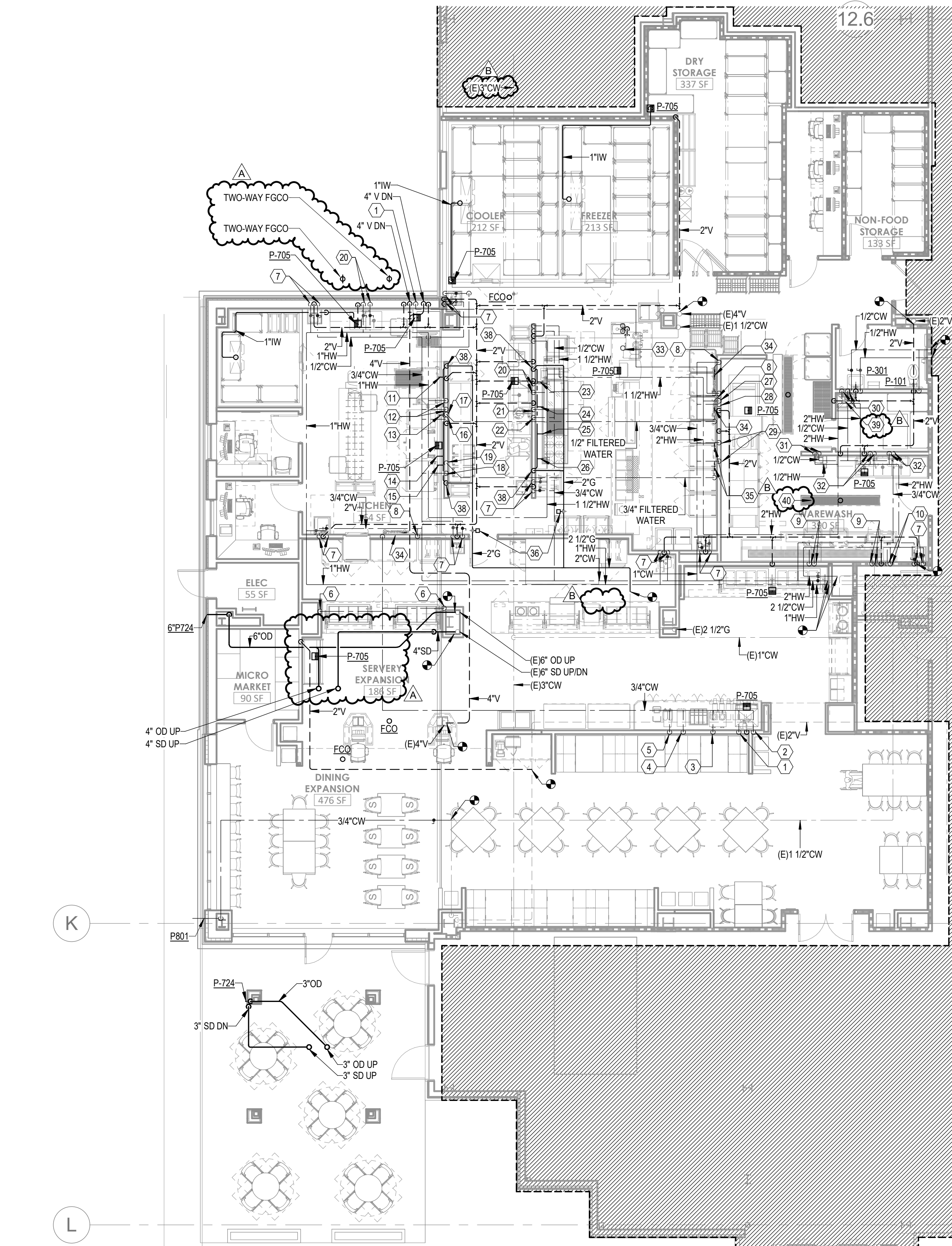
P02-01

GENERAL NOTES

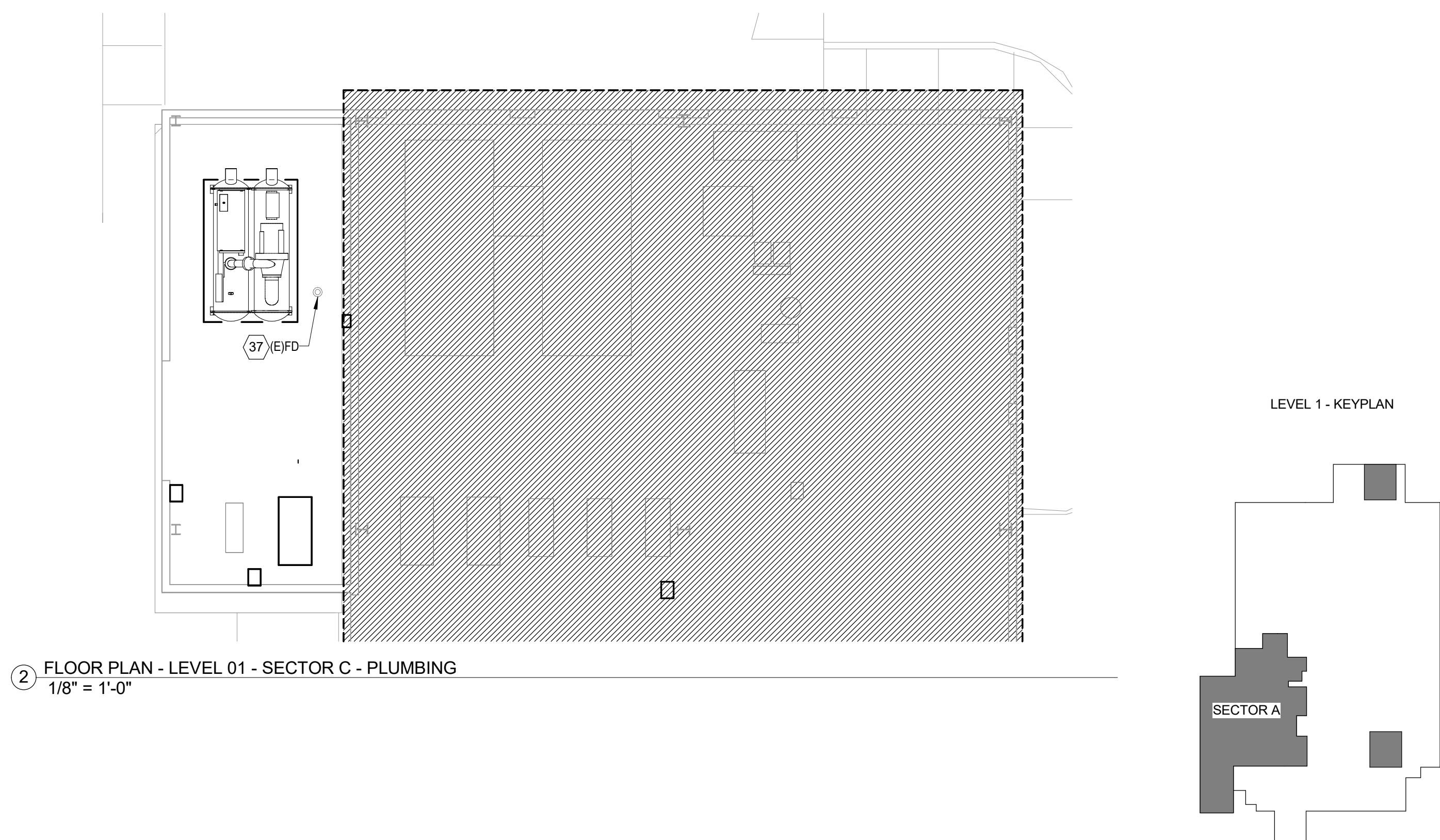
A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

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. 1/2" 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

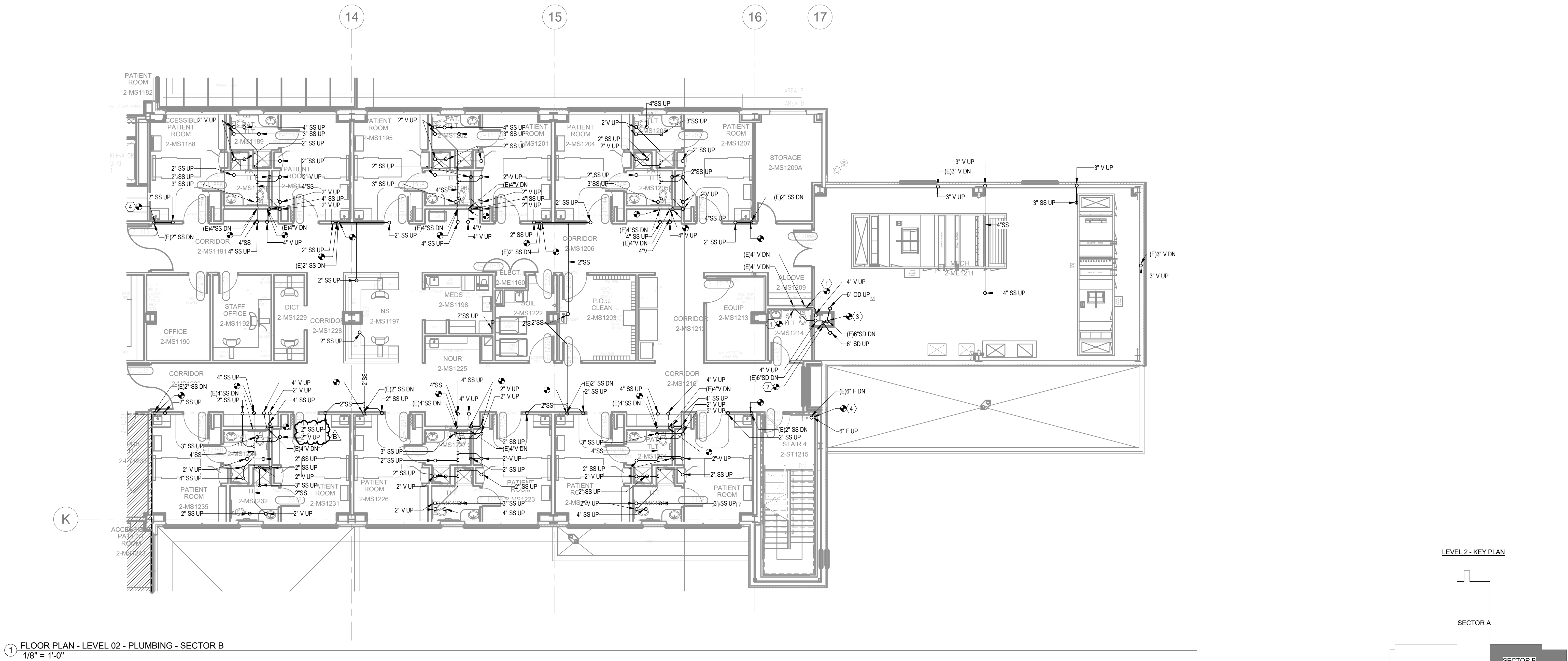
P02-02B

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.





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FLOOR PLAN - LEVEL 03 -
SECTOR A - PLUMBING

P02-03A

GENERAL NOTES

A. REFER TO P02-06 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

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



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



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FLOOR PLAN - LEVEL 03 -
SECTOR B - PLUMBING

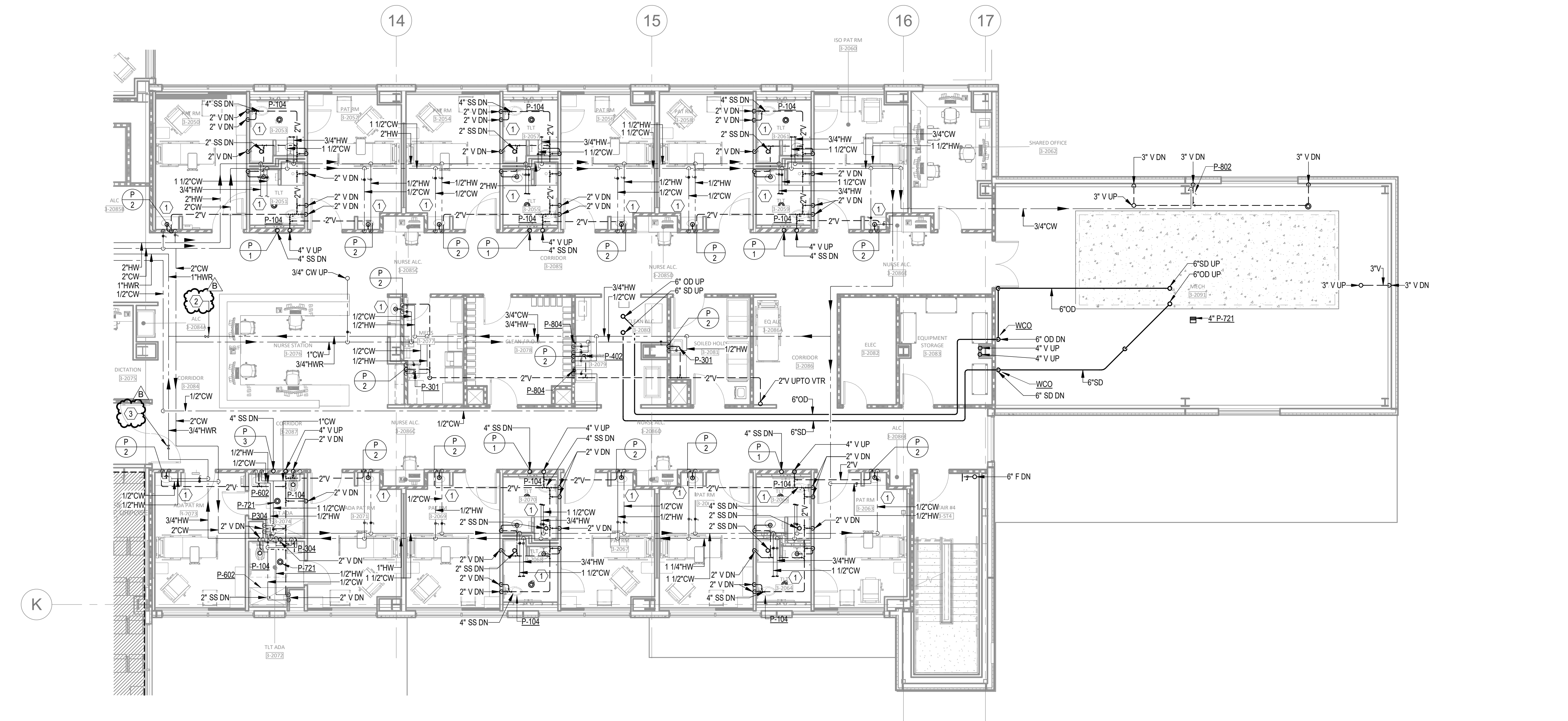
P02-03B

GENERAL NOTES

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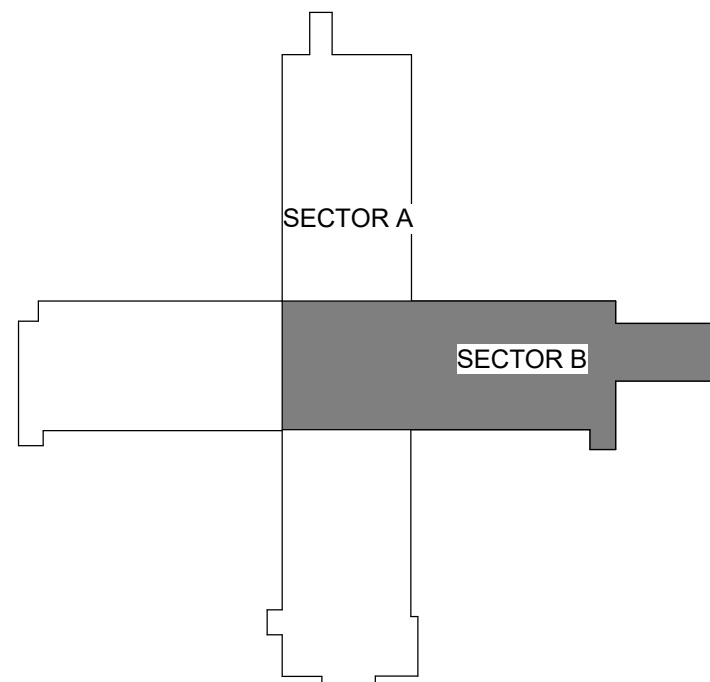
LEGEND NOTES

- 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

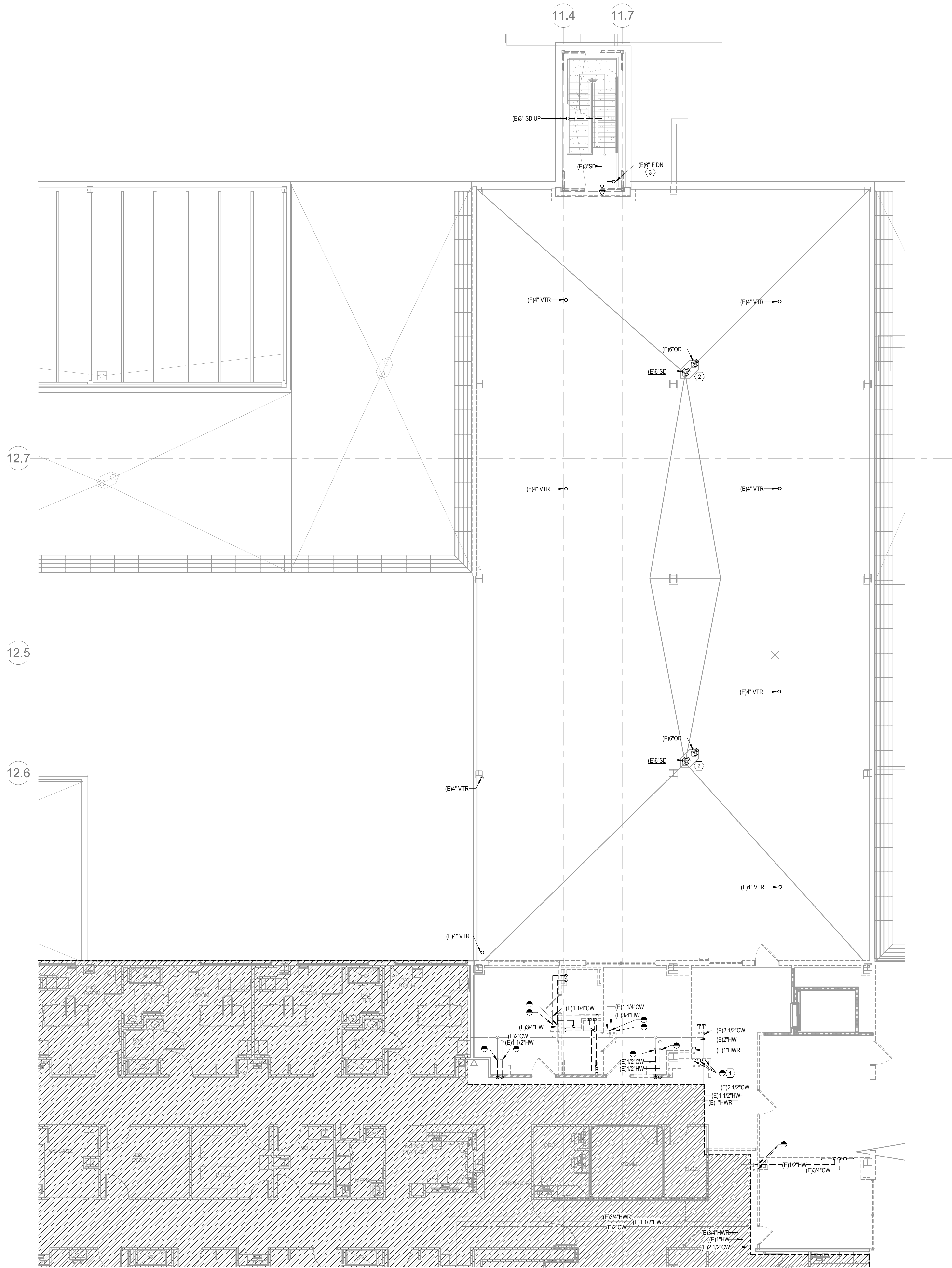


1 FLOOR PLAN - LEVEL 03 - SECTOR B PLUMBING
1/8" = 1'-0"

LEVEL 3 - KEY PLAN



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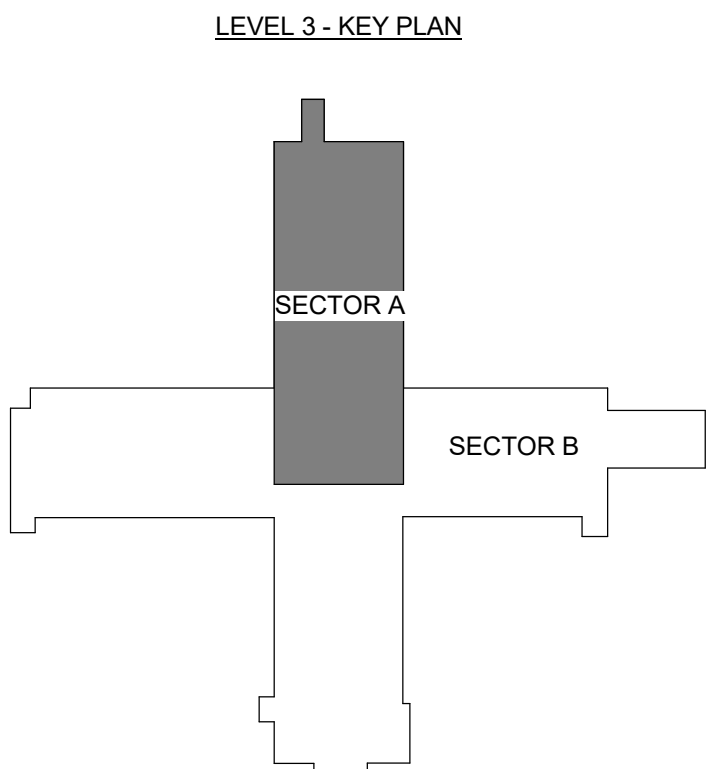
1 DEMOLITION PLAN - LEVEL 03 - SECTOR A PLUMBING
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO PD0-00 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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DEMOLITION PLAN - LEVEL 03 - SECTOR A - PLUMBING

PD02-03A



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DEMOLITION PLAN - LEVEL
03 - SECTOR B - PLUMBING

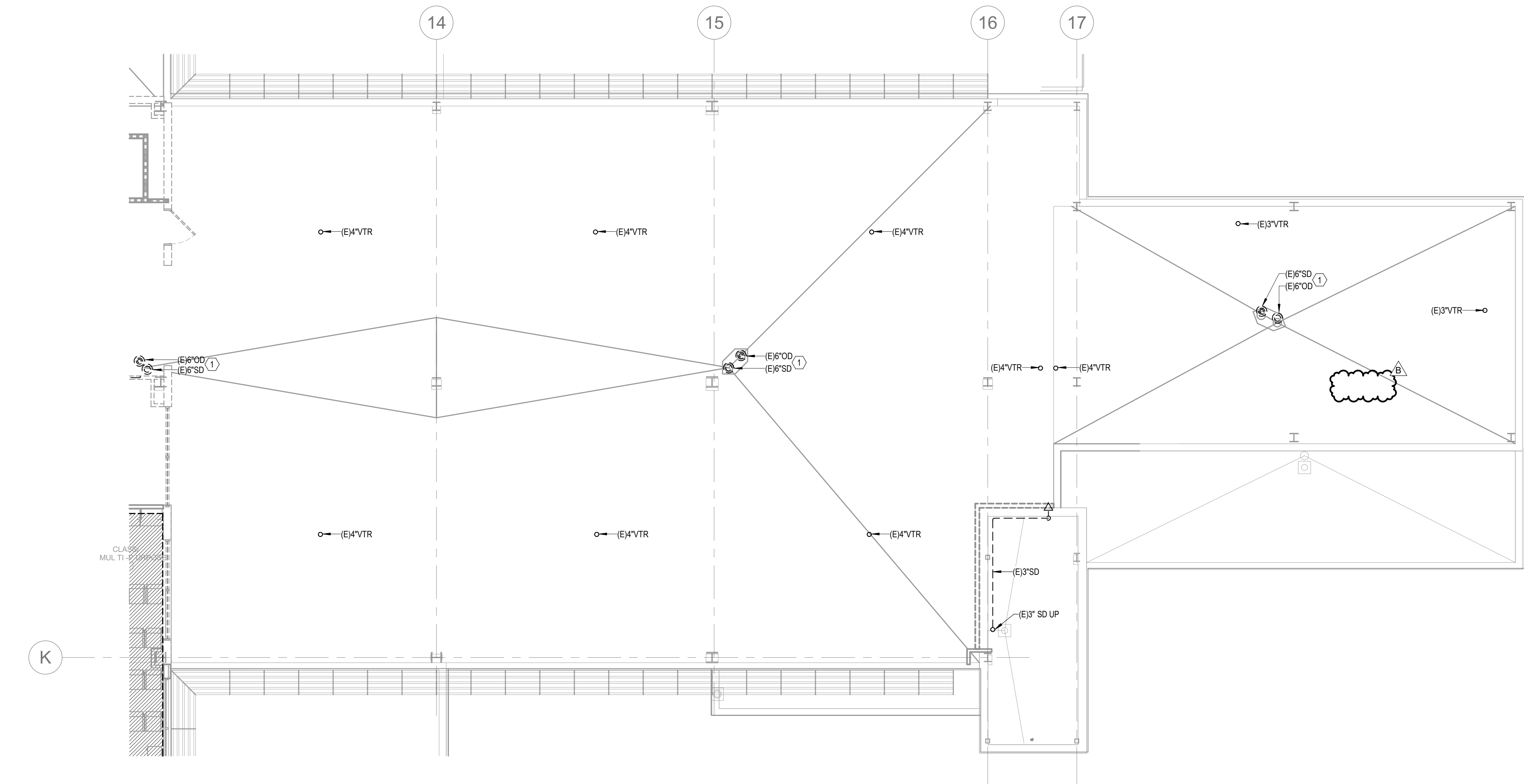
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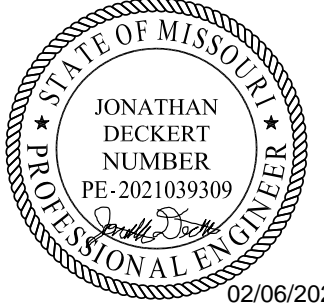
1. DEMOLISH EXISTING ROOF DRAIN AND OVERFLOW DRAIN.





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SCHEDULES - PLUMBING

P08-01

PLUMBING FIXTURE

HCA DESIG.	FIXTURE TYPE	SAN. SEWER	VENT	COLD WATER	HOT WATER	DESCRIPTION
P-101	WATER CLOSET ADA COMPLIANT PUBLIC	4"	2"	1 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-BAAAM (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-BWN-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" 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND, No. PF2030WH TRAP WRAP KIT. STOPS AND RISERS: TWO PFXXQ4C32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFET 1/2" CP ESCUTCHEONS AND TWO PFXX146324 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, 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. PFVYTS 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 PFXXQ4C32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFET 1/2" CP ESCUTCHEONS AND TWO PFXX146324 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. PFVYTS 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 PFXXQ4C32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFET 1/2" CP ESCUTCHEONS AND TWO PFXX146324 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 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 #SB-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 T3C30NH 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 XXP7.XX 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)	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

- Notes:
- Normal Operating conditions at a maximum ambient of 105°F. Consult factory for higher ambient conditions.
 - Capacities are shown as NFPA system capacities (reserve compressor on standby) and are shown in Inlet Cubic Feet per Minute (ICFM).
 - Package BTU/HR are shown with the reserve compressor on standby.
 - Noise levels are shown in dBA with the reserve pump on standby.

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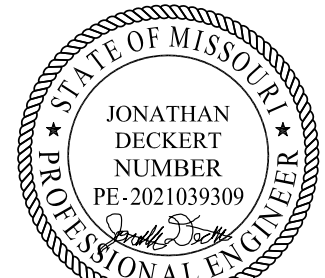
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



02/06/2025
WSP USA Buildings Inc. 2013001881

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INPATIENT BED EXPANSION

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

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

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: ID
JOB NUMBER: 6406.24

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

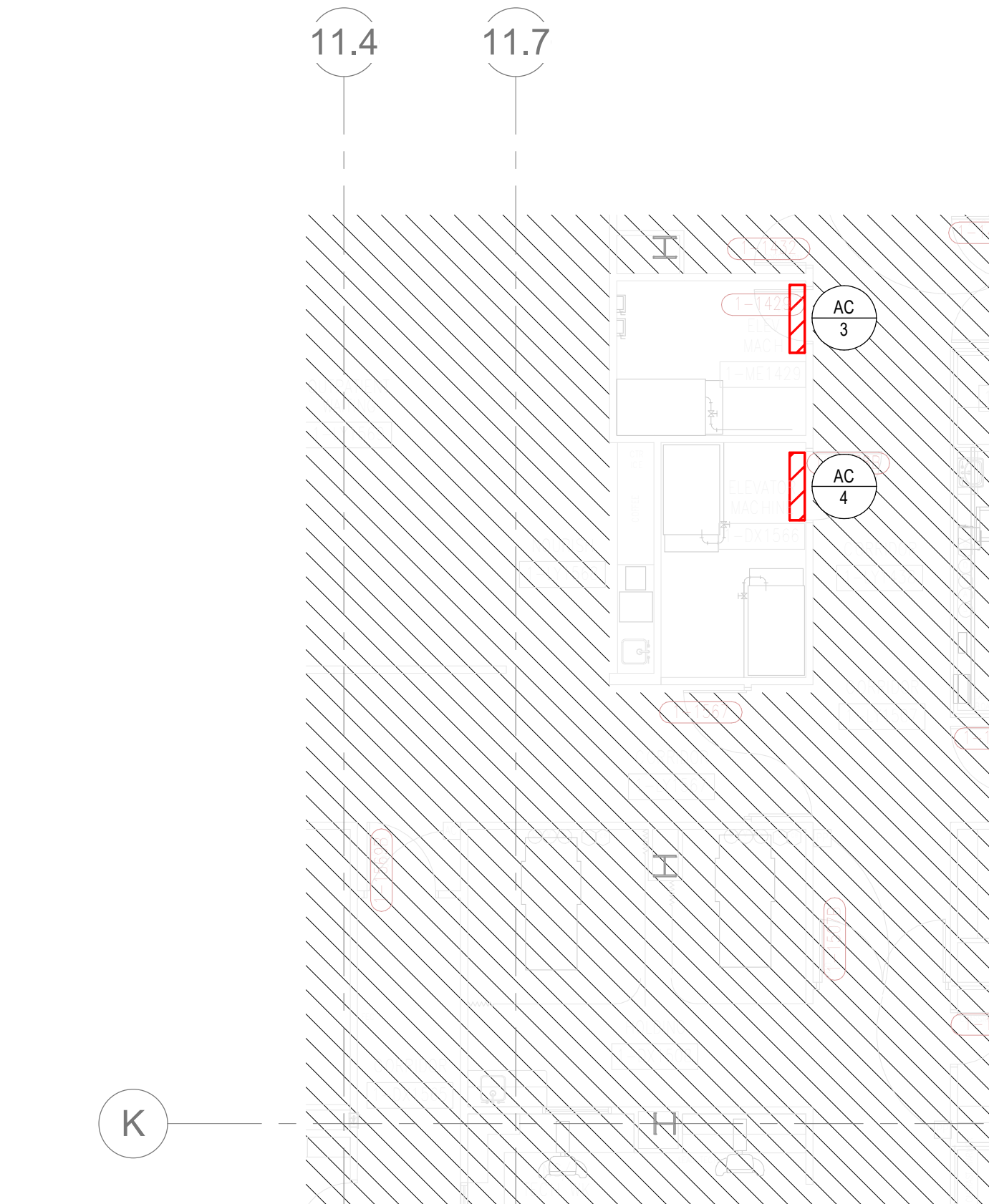
M02-01

GENERAL NOTES

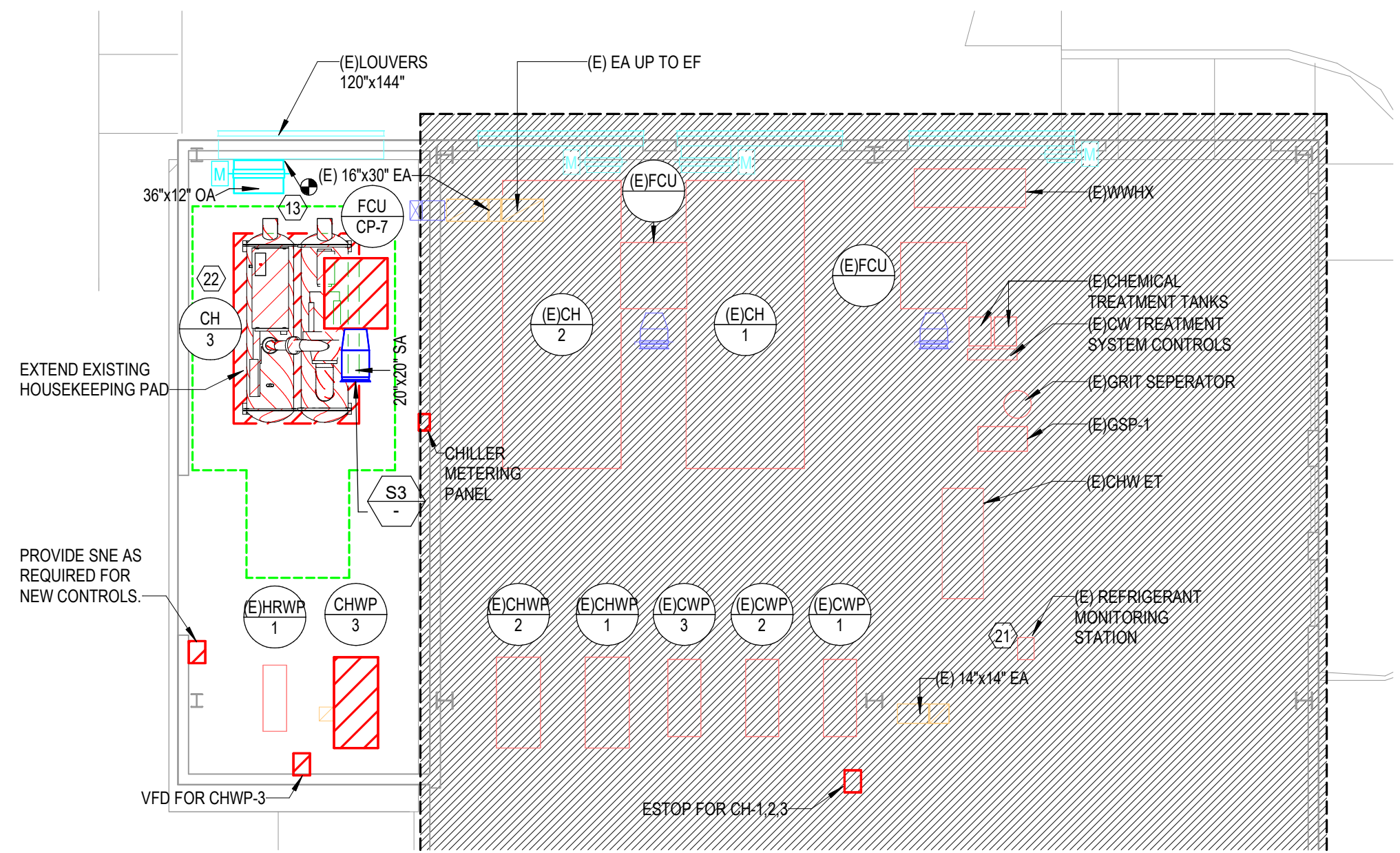
- REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
- ACCESS PANELS 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

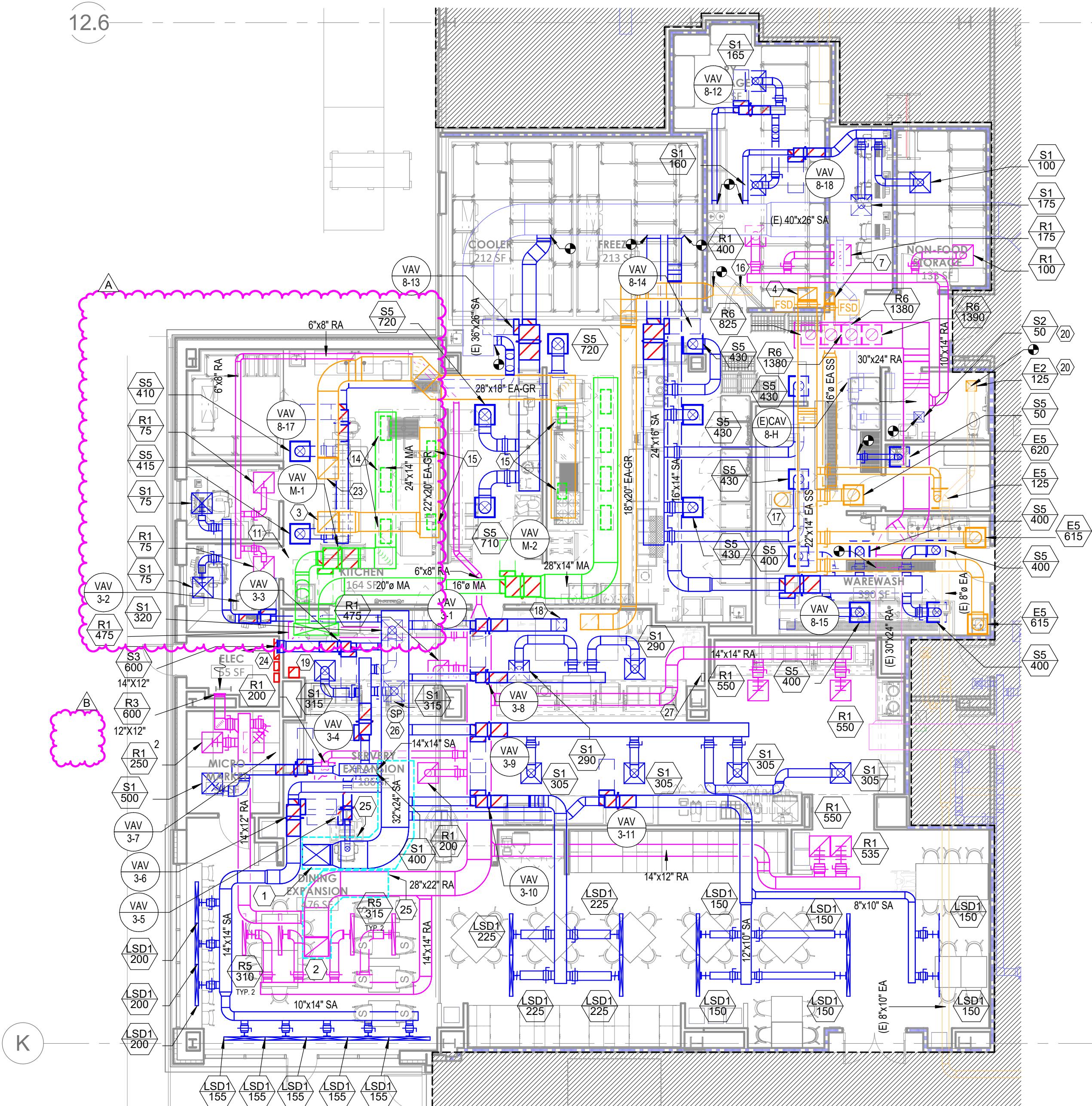
- 32"x24" SA DUCT UP TO RTU-3 ON ROOF.
- 28"x22" RA DUCT UP TO RTU-3 ON ROOF.
- 24"x24" EA DUCT UP TO KEF-2. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
- 22"x14" STAINLESS STEEL EA DUCT UP TO KEF-5.
- NOT USED.
- NOT USED.
- 12"x12" STAINLESS STEEL EA DUCT UP TO KEF-3.
- NOT USED.
- NOT USED.
- NOT USED.
- 52"x14" MA DUCT UP TO MAU-1.
- NOT USED.
- 38"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. 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.



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"

LEVEL 1 - KEYPLAN

SECTOR A

Autodesk Docx / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23 (MEP - LCMC Med Surg & Dietary Expansion)_R23.rvt
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A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



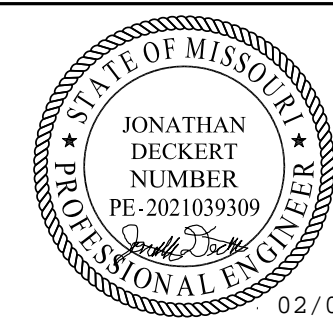
Devenney Group Ltd., Architect

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



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MISSOURI DHSS

AUTHORITY HAVING JURISDICTION'S PROJECT NO

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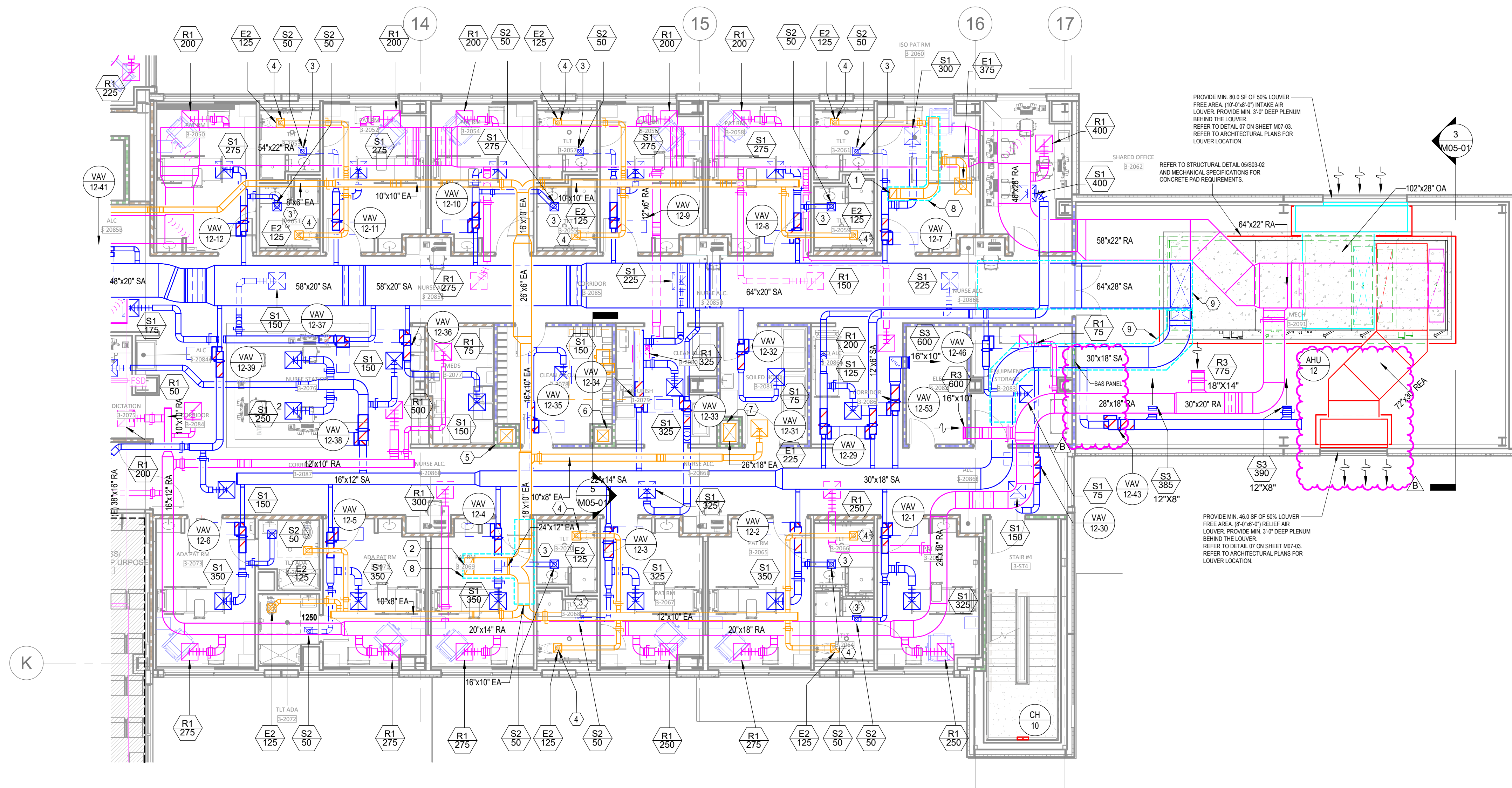
AGENCY APPROVALS:

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

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DRAWN:	HO
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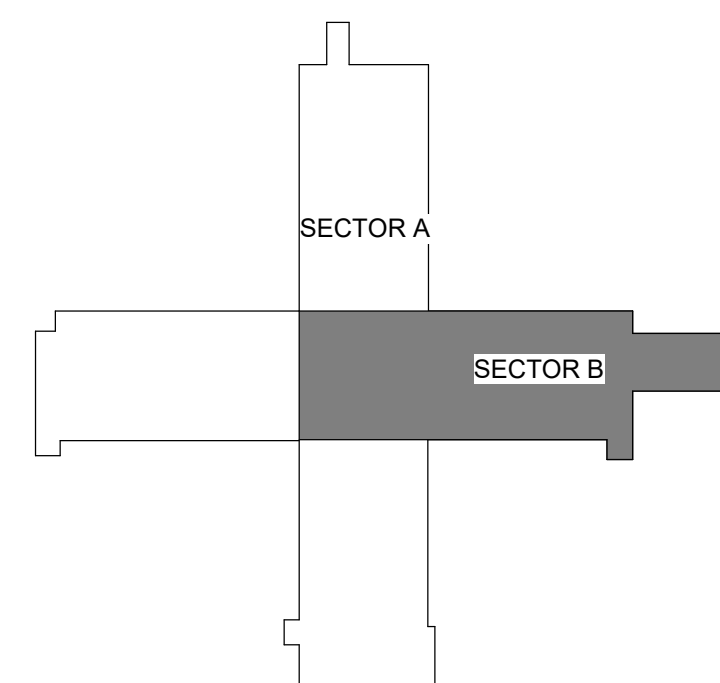
FLOOR PLAN - LEVEL 03 -
SECTOR B HVAC

M02-03B



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

LEVEL 3 - KEY PLAN





Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

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

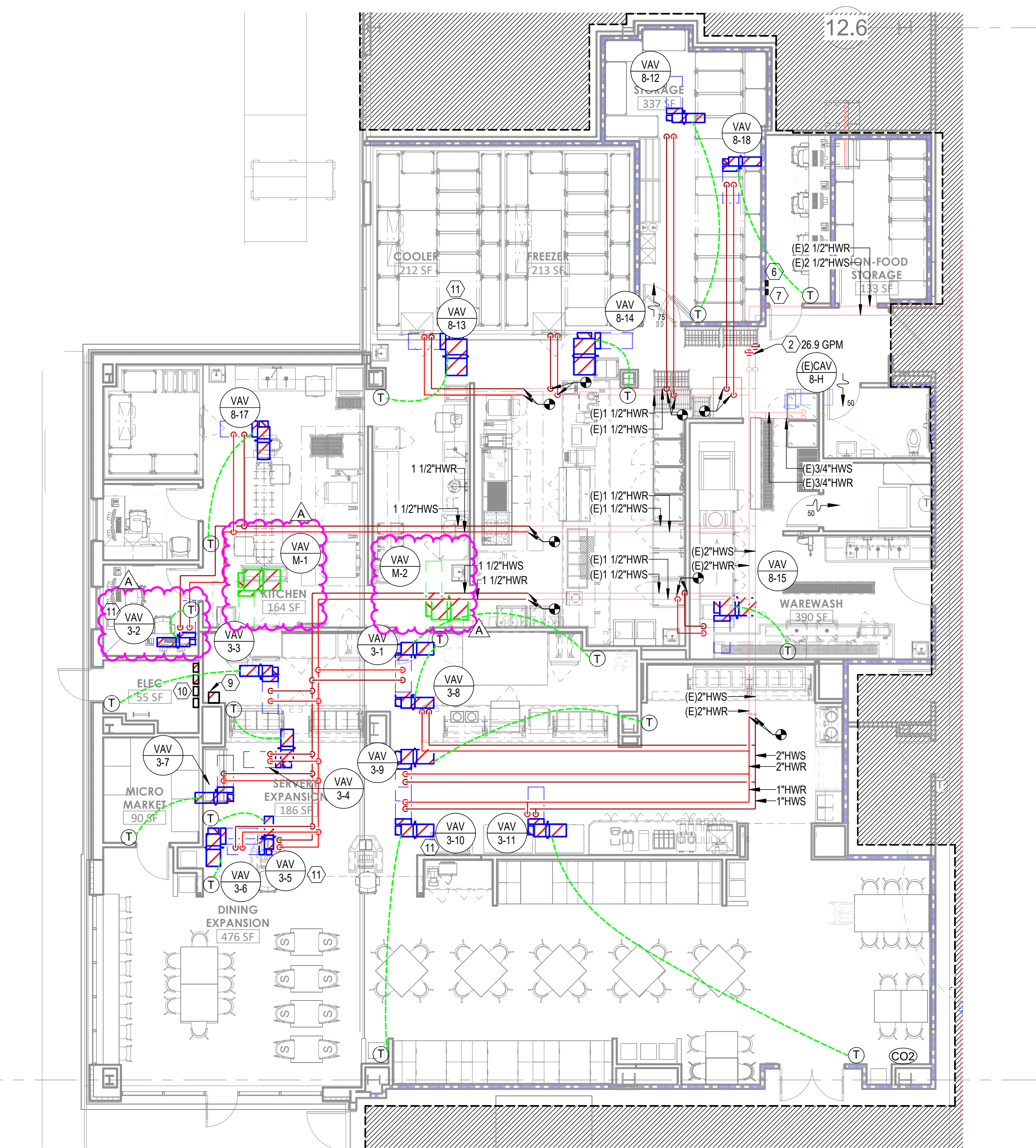
M03-01

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.

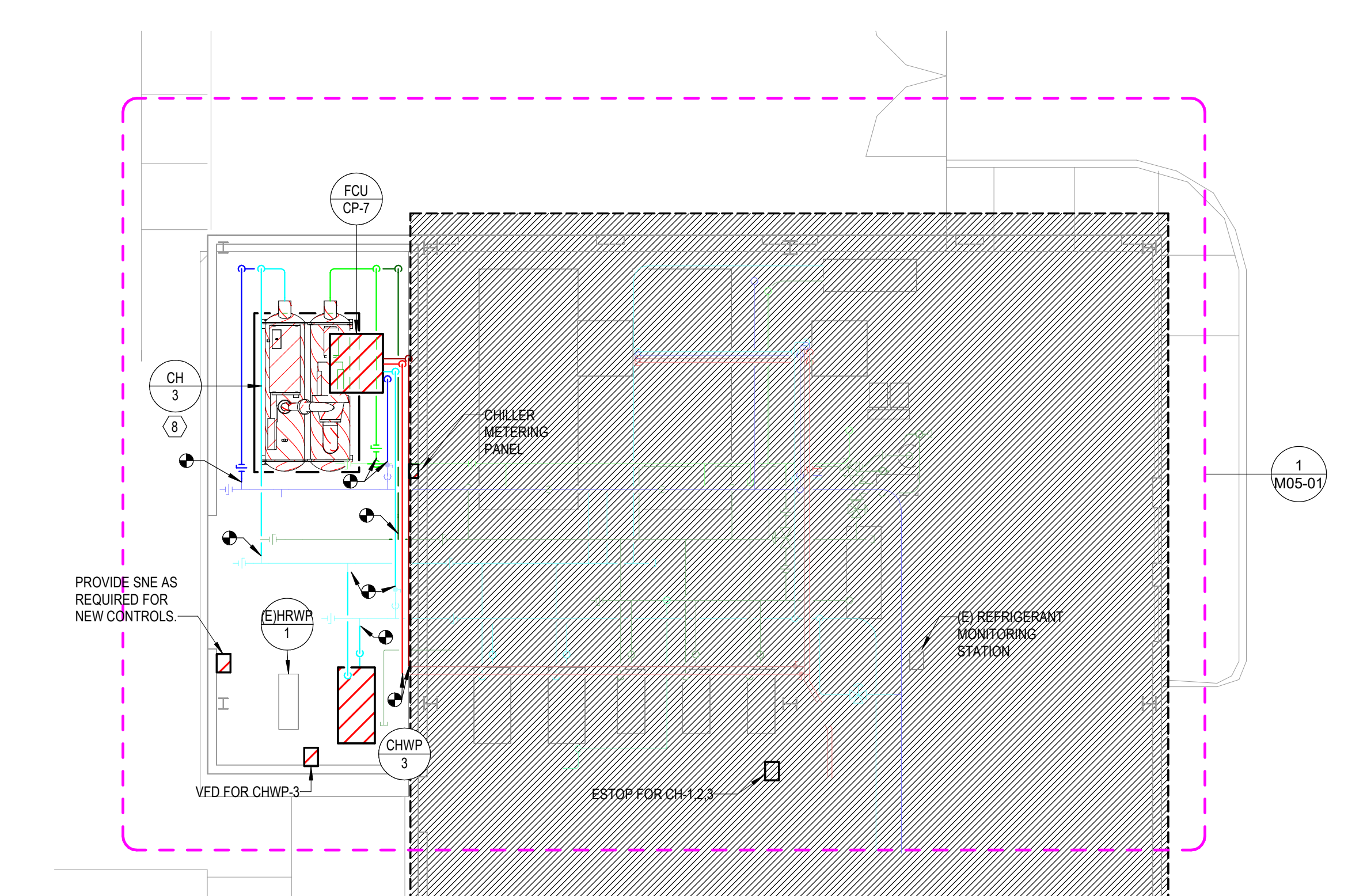
LEGEND NOTES

- 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.



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

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"



Devenney Group Ltd., Architects
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FLOOR PLAN - LEVEL 03 -
SECTOR B HVAC PIPING

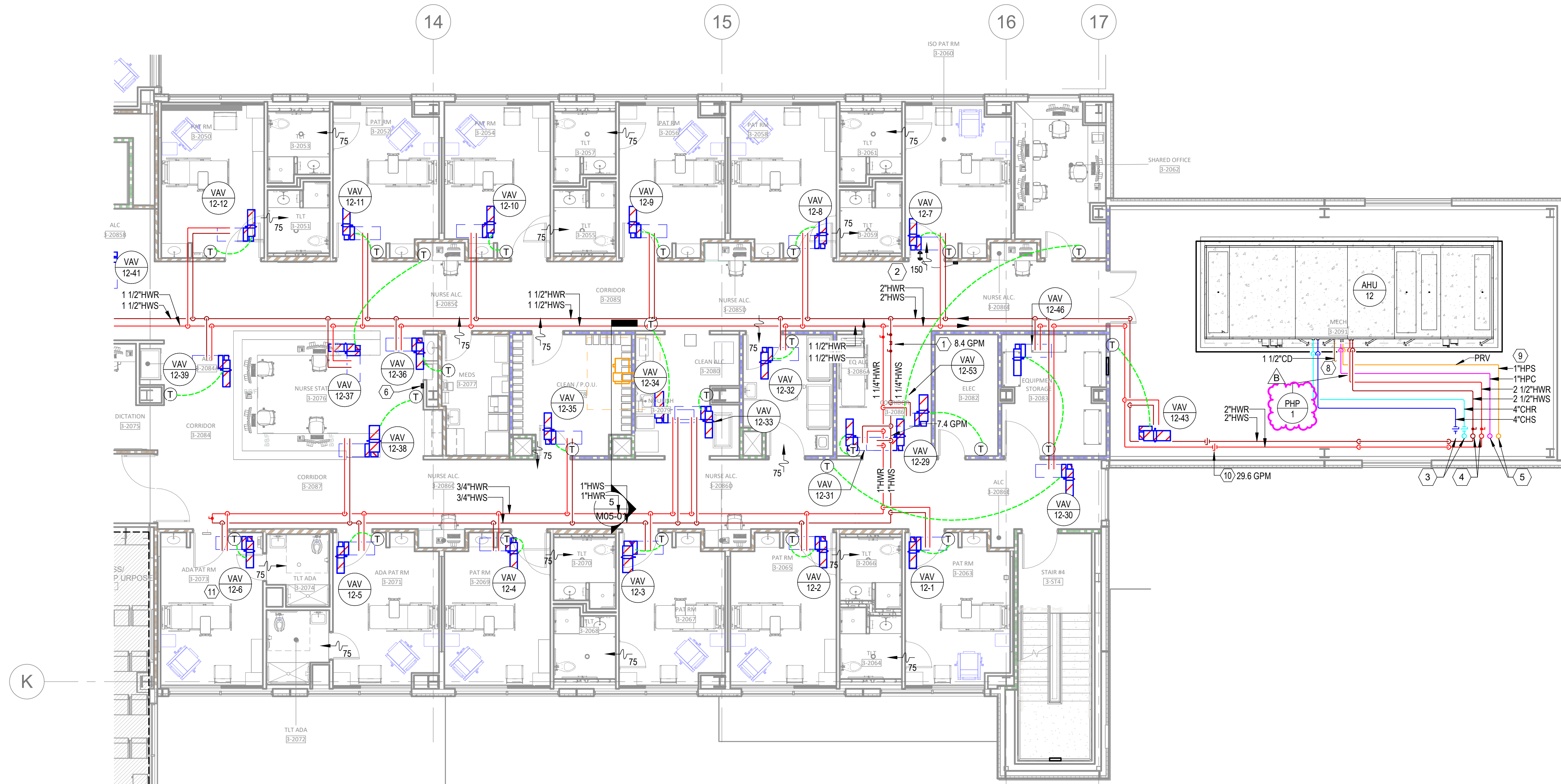
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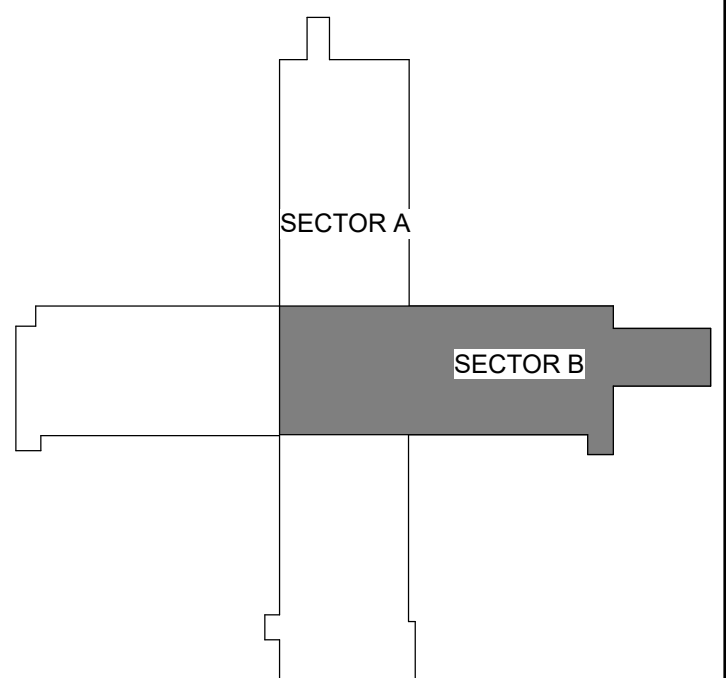
LEGEND NOTES

- 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"

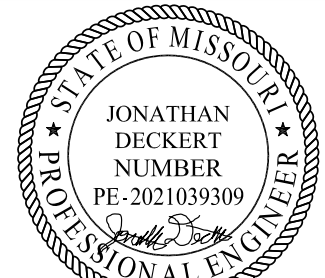
LEVEL 3 - KEY PLAN





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

Consultant:



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

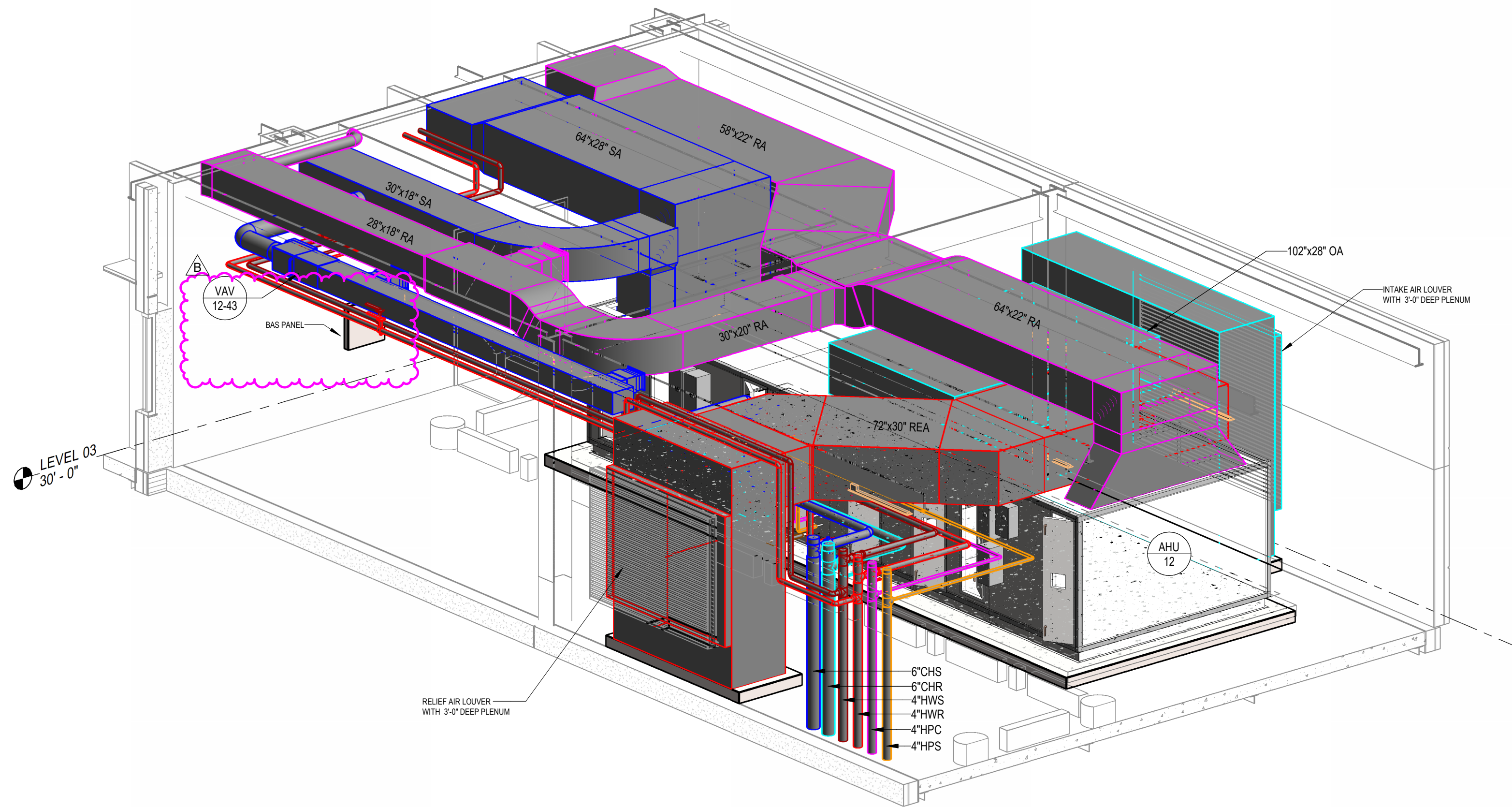
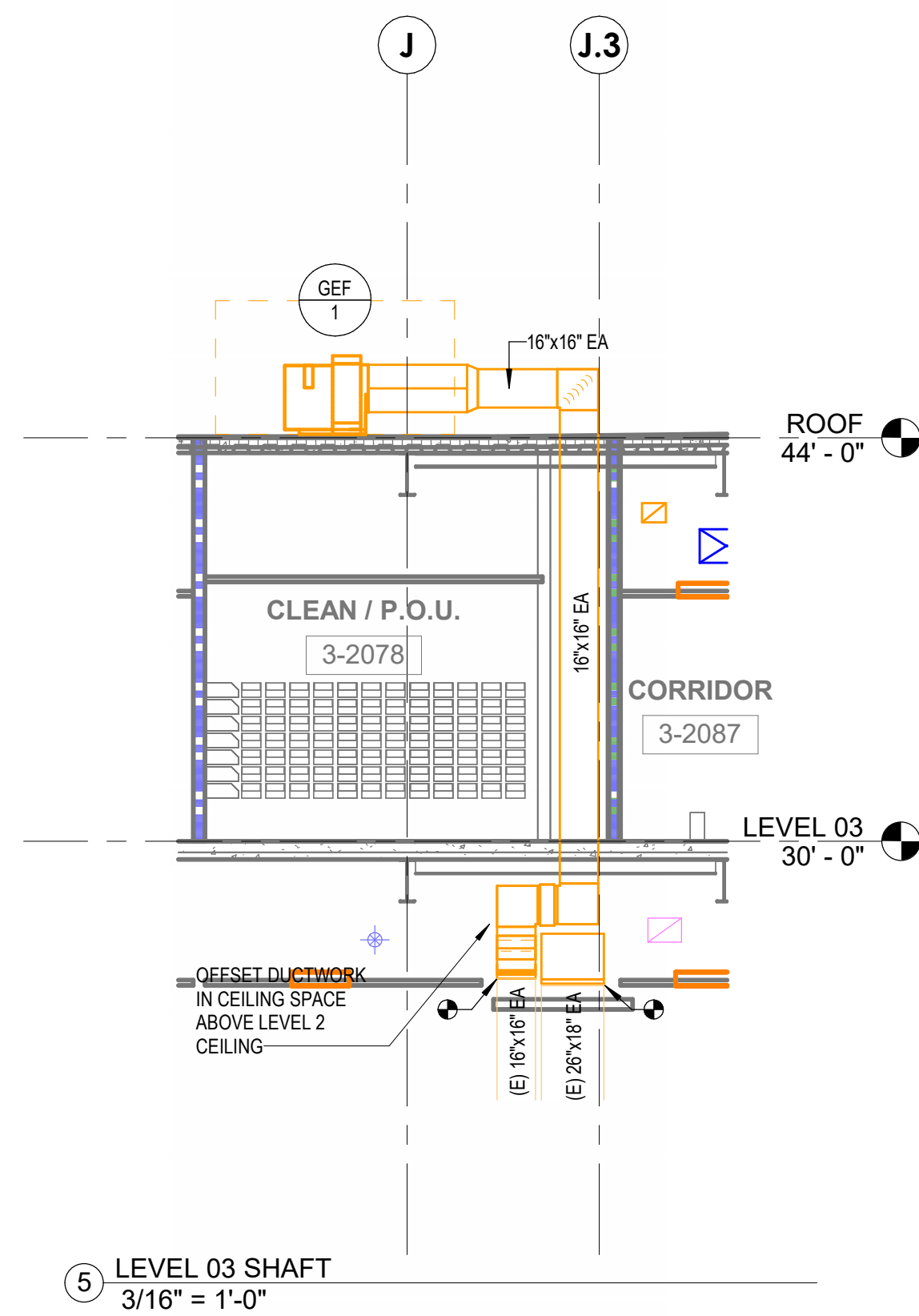
DATE: 2024/12/05
SCALE: As Indicated
DRAWN: HO
REVIEWED: JD
JOB NUMBER: 6406.24

ENLARGED PLAN -
MECHANICAL

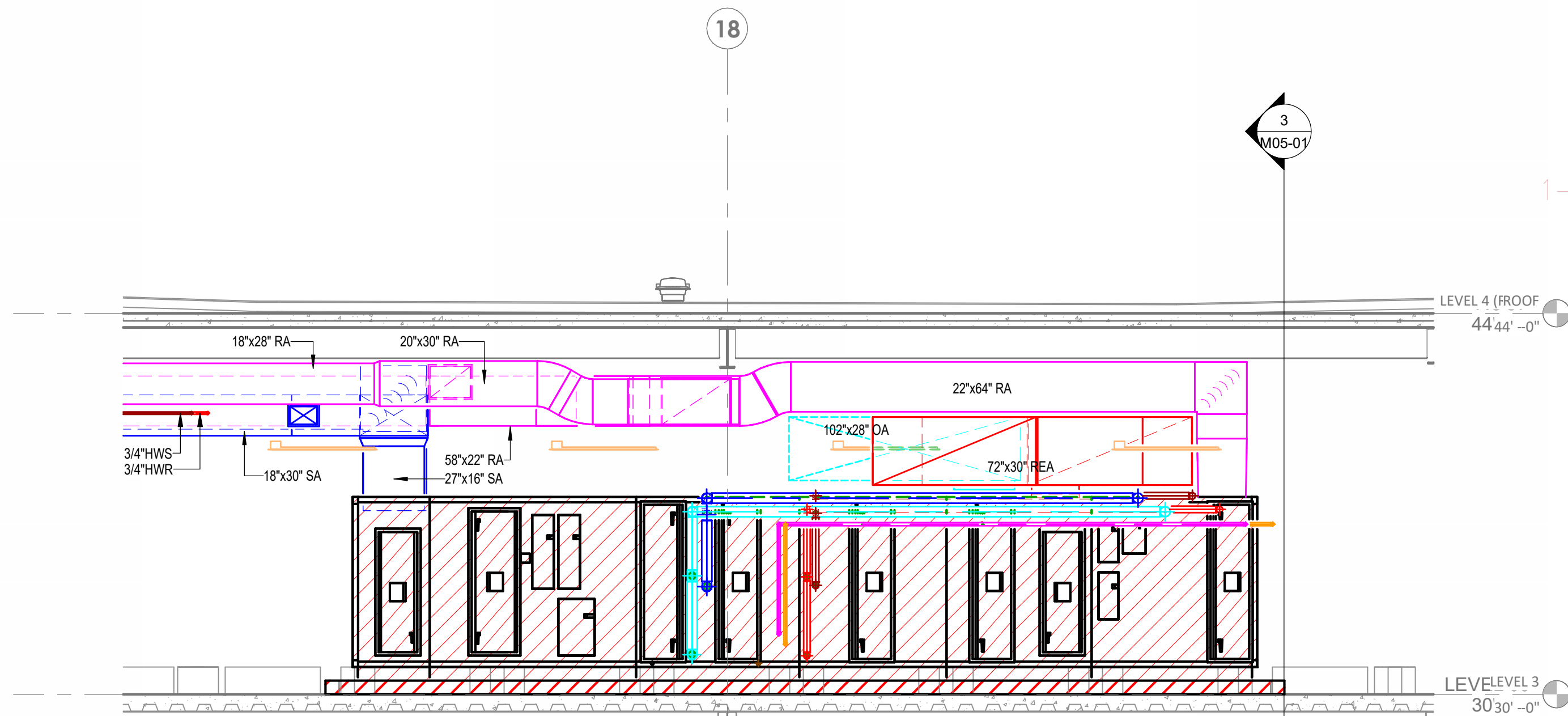
M05-01

GENERAL NOTES

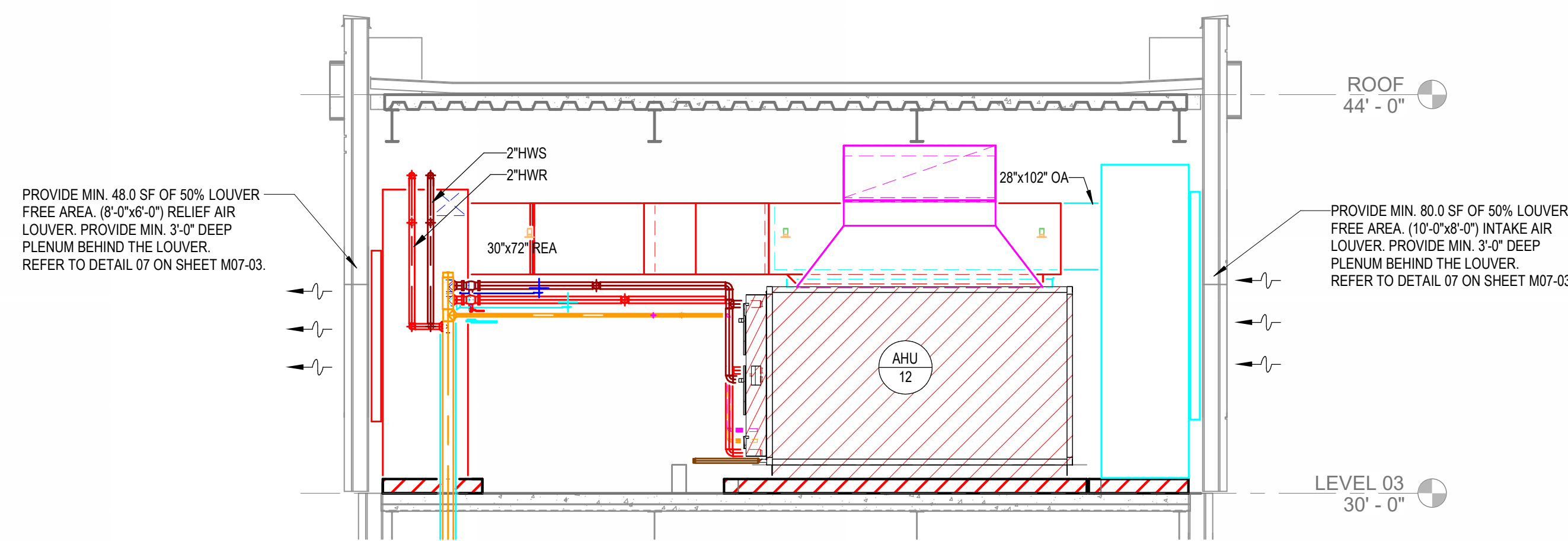
- A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND LEGENDS.
B. ALL EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE BASED UPON A COMBINATION OF AVAILABLE RECORD DESIGN AND AS-BUILT DOCUMENTS.



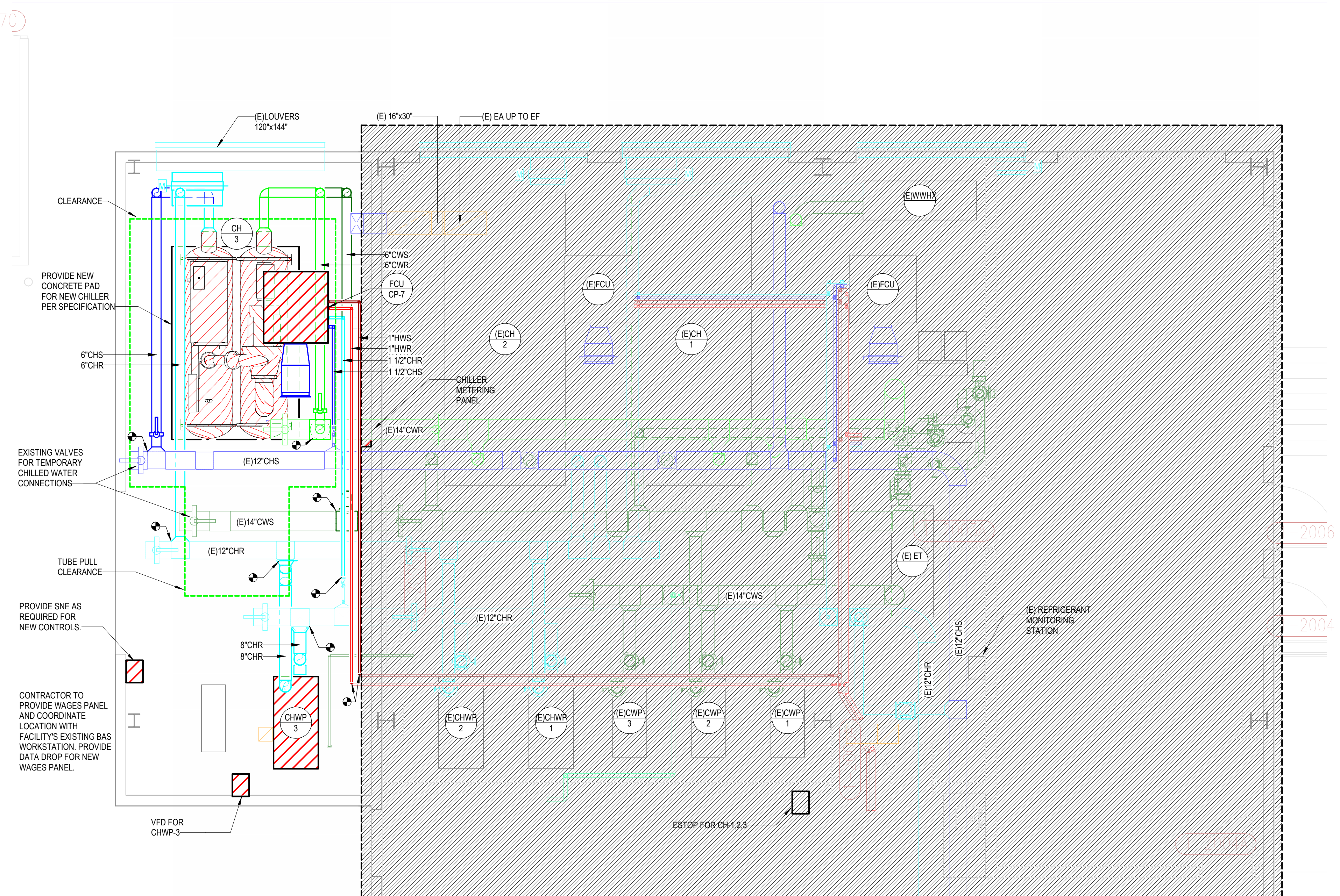
2 MECH ROOM 3D VIEW



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



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





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

Consultant:



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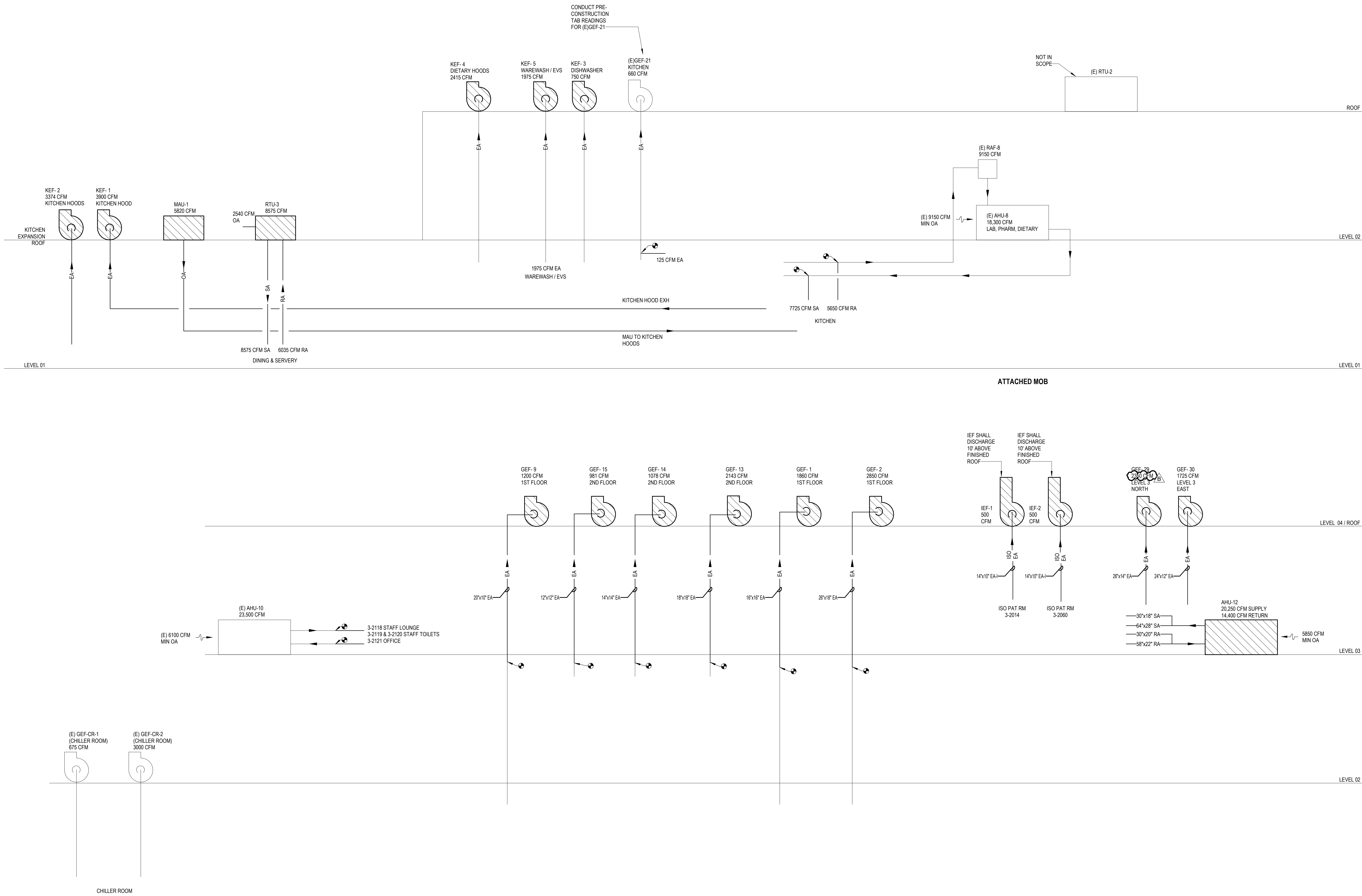
AGENCY APPROVALS:

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

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

RISER DIAGRAM - MECHANICAL

M06-01



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. (\"WG)
	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
GAS HEATING DATA	CAPACITY MBH OUTPUT (MIN)
	480
	MBH INPUT (MAX)
	600
GAS HEATING 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. (\"WG)
	129.3/0.11
COOLING COIL DATA	TOTAL / SENS / LAT (MBH) (MIN)/SHR
	491.4/296.2/196.2/0.60
	EAT °F DBWB
	102/78
COOLING COIL DATA	DX COIL LAT °F DBWB & GAS BYPASS COIL LAT °F DB
	51.0/50.9 & 68
	MIN. ROWS/MAX. FINS PER INCH
	6/14
COOLING COIL DATA	OUTSIDE AIR CFM (MIN/MAX)
	5820/5820
	WEIGHT (LBS.) / OPERATING
	5753
FILTER DATA	TYPE / THICKNESS
	PLEATED / 4" THICK
	MINIMUM EFFICIENCY (%)
	MERV 8
FILTER DATA	MAX. VELOCITY (FPM)
	181.9
	P.D. (CLEAN/DIRTY) (IN WC)
	0.04/0.35
ELECTRICAL	MCA
	83
	MCCP
	90
ELECTRICAL	V / PH
	460 / 3
ELECTRICAL	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
ELECTRICAL	NOTES
	ALL

NOTES:

1. FURNACE: 499 STAINLESS STEEL CONSTRUCTION. CONDENSATE DRAIN CONNECTION.
2. UNIT SHALL INCLUDE HOT GAS BYPASS COMPONENT.
3. MAIN POWER AND CONTROL PANEL WITH DISCONNECT SWITCH AND SINGLE-POINT POWER CONNECTION SERVING ALL ELECTRICAL ITEMS INCLUDING CONTROLS AND LIGHT FIXTURES.
4. STAINLESS STEEL COIL, DRAIN PAN AND COIL CASING.
5. VAPORTIGHT LED LIGHT FIXTURE IN EACH ACCESSIBLE SECTION.
6. FULL PERIMETER STEEL INSULATED ROOF CURB, MINIMUM 30" HIGH, NO CANT, INSULATED, LEVEL TOP.
7. PROVIDE SOUND BLANKETING, MANUFACTURER'S REFRIGERANT DETECTION SYSTEM, AND POSITIVE AIRFLOW SWITCH FOR GAS BURNER.
8. 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
SUPPLY FAN	ESP / TSP (\"WC)
	2.5/06.51
	FAN MOTOR QTY / HP (MIN)
	2 / 20 HP
SUPPLY FAN	FAN MOTOR BHP
	15.30 BHP
	(VOLTS/PHASE)
	460/3
RETURN FAN	FAN WHEEL TYPE
	SWSI
	DRIVE
	DIRECT
RETURN FAN	CFM (AHU TOTAL RA)
	16000
	BALANCE CFM
	14400
RETURN FAN	ESP / TSP (\"WC)
	1.5/2.32
	FAN MOTOR QTY / HP (MIN)
	2 / 7.5 HP
RETURN FAN	FAN MOTOR BHP
	5.05 BHP
	(VOLTS/PHASE)
	460/3
RETURN FAN	FAN WHEEL TYPE
	SWSI
	DRIVE
	DIRECT
COOLING COIL DATA	TYPE COIL / W x H (INCHES)
	CHW129x75
	DESIGN CFM
	22000
COOLING COIL DATA	MAX. FACE VEL. (FPM)
	430
	(MAX. AIR P.D. (\"WG) = 1.00 U.N.O.)
	0.57
COOLING COIL DATA	TOTAL / SENS / LAT (MBH) (MINIMUM)
	1108/667/441
	EAT °F DBWB
	80/67
COOLING COIL DATA	LAT °F DBWB
	51.1/50.7
	EWT °F / LWT °F (REFERENCE)
	42/54.1
COOLING COIL DATA	GPM (MAXIMUM)
	182.5
	WATER PD (FT.) (MAXIMUM)
	16.8
COOLING COIL DATA	MINIMUM ROWS / MAXIMUM FINS PER INCH
	6/8
HEATING COIL DATA	TYPE / POSITION
	HWPREHEAT
	DESIGN CFM
	22000
HEATING COIL DATA	MAX. FACE VEL. (FPM) (AT MAX AHU CFM)
	430
	MAXIMUM AIR P.D. (\"WG) (AT MAX AHU CFM)
	0.09
HEATING COIL DATA	EAT °F DB / LAT °F DB (REFERENCE)
	43/66
	MINIMUM MBH OUTPUT
	820
HEATING COIL DATA	EWT °F / LWT °F (REFERENCE)
	140/110
	GPM (MAXIMUM)
	56.2
HEATING COIL DATA	WATER PD (FT.) (MAXIMUM)
	2.5
	MINIMUM ROWS / MAXIMUM FINS PER INCH
	1/8
HUMIDIFIER DATA	TYPE
	DIRECT INJECTION STEAM
	DESIGN CFM
	22000
HUMIDIFIER DATA	STEAM PSI
	15
	HUMIDIFICATION LOAD (LBS/HR)
	201
HUMIDIFIER DATA	EAT & RH % / LAT & RH%
	50 & 20% / 55 & 42%
	ABSORPTION DISTANCE (IN)
	5.4
HUMIDIFIER DATA	OUTSIDE AIR CFM (MIN/MAX) (AT FULL COOLING)
	5850 / 22000
FIRST FILTER DATA	TYPE
	4\" MINI PLEAT
	EFFICIENCY (%) (ASHRAE 52)
	80% (MERV 11)
FIRST FILTER DATA	MAXIMUM VELOCITY (FPM)
	440
	P.D. (CLEAN/DIRTY) (INCHES W.G.)
	0.42 / 0.85
FINAL FILTER DATA	TYPE
	12\" RIGID
	EFFICIENCY (%) (ASHRAE 52)
	90% (MERV 14)
FINAL FILTER DATA	MAXIMUM VELOCITY (FPM)
	440
	P.D. (CLEAN/DIRTY) (INCHES W.C.)
	0.49 / 1.5
FINAL FILTER DATA	MANUFACTURER / MODEL NO. (JC)
	XT1- 75x129
	WEIGHT (LBS.)
	15487
FINAL FILTER DATA	UNIT NOMINAL DIMENSIONS (INCHES)
	129x75x399
	WIDTH x HEIGHT x LENGTH
	ALL

NOTES (AHUs):

1. ISP EQUALS AHU SP LOSS WITH DIRTY FILTERS. TSP EQUALS ESP + ISP. TSP LISTED IS FOR REFERENCE ONLY.
2. FAN MOTOR NAMEPLATE HP SHALL NOT BE EXCEEDED AT SCHEDULED CFM AND TSP
3. 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.
4. COILS SHALL NOT BE COATED UNLESS NOTED OTHERWISE.
5. COOLING COIL SENSIBLE HEAT RATIO (SHR) TOLERANCE EQUALS PLUS OR MINUS 0.3. EXAMPLE: CSHR = 0.79 MAX = 0.76 MIN=0.82
6. 5/8\" OD TUBES
7. 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
8. PRE-FILTERS SHALL BE SNAP-IN TYPE WITH SUPPORTS ON ALL FOUR SIDES. FILTER BANK SHALL BE FULL-SIZE.
9. HORIZONTAL DRAW-THRU
10. DOUBLE WALL CONSTRUCTION WITH THERMAL PERFORMANCE AS SPECIFIED.
11. INTERNALLY ISOLATED FAN, DRIVE, AND MOTOR.
12. PROVIDE (2) VARIABLE FREQUENCY DRIVES FOR EACH SUPPLY FAN ARRAY. VFDs TO BE SIZED FOR 50% OF THE FAN ARRAY'S AGREGATE FAN HORSEPOWER.
13. COIL CASINGS SHALL BE STAINLESS STEEL.
14. FINAL BALANCED CFM TO BE COORDINATED WITH T&B CONTRACTER AFTER CONSTRUCTION COMPLETION.
15. SCCR RATING SHALL MATCH PANELBOARD RATING.
16. PROVIDE SEPARATE MINIMUM OUTSIDE AIR AND ECONOMIZER OUTSIDE AIR DAMPERS.
17. SCCR: 10k

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DICKERT
NUMBER
PE-2021039309
EXPIRATION
06/30/2026
PROFESSIONAL ENGINEER

02/06/2025

WSP USA Buildings Inc. 2013001881

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SCHEDULES - MECHANICAL

M08-01

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:		
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		


PUMP SCHEDULE													
MARK	SERVES	TYPE	MIN. EFF. (%)	GPM	TDH (FT)	MOTOR ELECTRICAL					WEIGHT (LBS)	MANUFACTURER / MODEL	NOTES
						HP	RPM	VOLT/PHASE	DRIVE	AVAILABLE FAULT (AIC)			
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
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													

WATER COOLED CHILLER SCHEDULE																				
DESIGNATION	SERVES	TYPE	TONS	EVAPORATOR DATA						CONDENSER DATA						ELECTRIC DATA			MANUFACTURER / MODEL	NOTES
				GPM	FOUL FACT	EWT (°F)	LWT (°F)	PASS	P.D. (FT)	GPM	FOUL FACT	EWT (°F)	LWT (°F)	PASS	P.D. (FT)	FLA	KW / TON	VOLTS / PH		
CH-3	CENTRAL PLANT	CENTRIFUGAL	430	857	0.0001	58	42	2	9.83	1310	0.00025	85	95	2	6.13	334	0.5987	460/3	YORK / YMC2-S1512BBS	ALL
NOTES:																				
1 VFD AND HARMONIC FILTER																				
2 MAINTAIN RECOMMENDED MANUFACTURER'S CLEARANCES.																				
3 CHILLER SHALL BE SELECTED AT 58 F EWT / 42 F LWT BUT SHALL OPERATE AT 54 F EWT / 42 F LWT.																				
4 SCCR: 42k																				

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	150	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	150	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.																	
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.							12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.										
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 RUPPER. SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.																	

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).



											H.W. COIL									
DESIGNATION	BOX TYPE	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX COOLING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	EAT DB °F	LAT DB °F	EWT °F	LWT °F	MAX WATER P.D. (FT)	MAX FLOW GPM	MIN ROWS	MAX N.C.	JCI MODEL NUMBER	NOTES			
VAV-8-12	A	8"	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			

NOTES:

1.

MIN MBH = GPM x 15.

MIN MBH = GPM x 15.

2.

PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.

3.

UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.

4.

PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.

5.

CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.

6.

FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.

7.

CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.

8.

H.W. COIL SHALL BE LOCATED AS DISCHARGE OF BOX.

9.

OUTLET PLENUM BY INCLUDED BY MANUFACTURER. COORDINATE WITH RUNOUT SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.

10.

CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.

11.

PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:

0 - 4.0 GPM

: 3/4"

4.1 - 8.0 GPM

: 1"

8.1 - 15.0 GPM

: 1-1/4"

12.

VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.


							MAX N.C.	JCI MODEL NUMBER	NOTES
DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)			
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

NOTES:

- MIN MBH = GPM x 15.
- BOX HEATING AND COOLING CFM ARE PER PLANS AS FOLLOWS:
 - COOLING CFM = BOX MAXIMUM CFM
 - HEATING CFM = MINIMUM COOLING CFM = BOX MINIMUM CFM.
- UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.
- PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.
- CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.
- FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.
- CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.
- H.W. COIL SHALL BE LOCATED AT DISCHARGE OF BOX.
- OUTLET PLENUM BY INCLUDED BY MANUFACTURER. COORDINATE WITH RUNOUT SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.
- 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.
- PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:

0 - 4.0 GPM	: 3/4"
4.1 - 8.0GPM	: 1"
8.1 - 15.0 GPM	: 1-1/4"
- VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.

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	OMARK AWH-4508	1,2,3
<u>NOTES:</u> 1 COMPLETE WITH THERMOSTAT. 2 COMPLETE WITH FUSED DISCONNECT SWITCH. 3 FULLY RECESSED.							



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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

AGENCY NUMBER:
0972400009

AGENCY APPROVALS:

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

[illegible]

M08-04



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

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

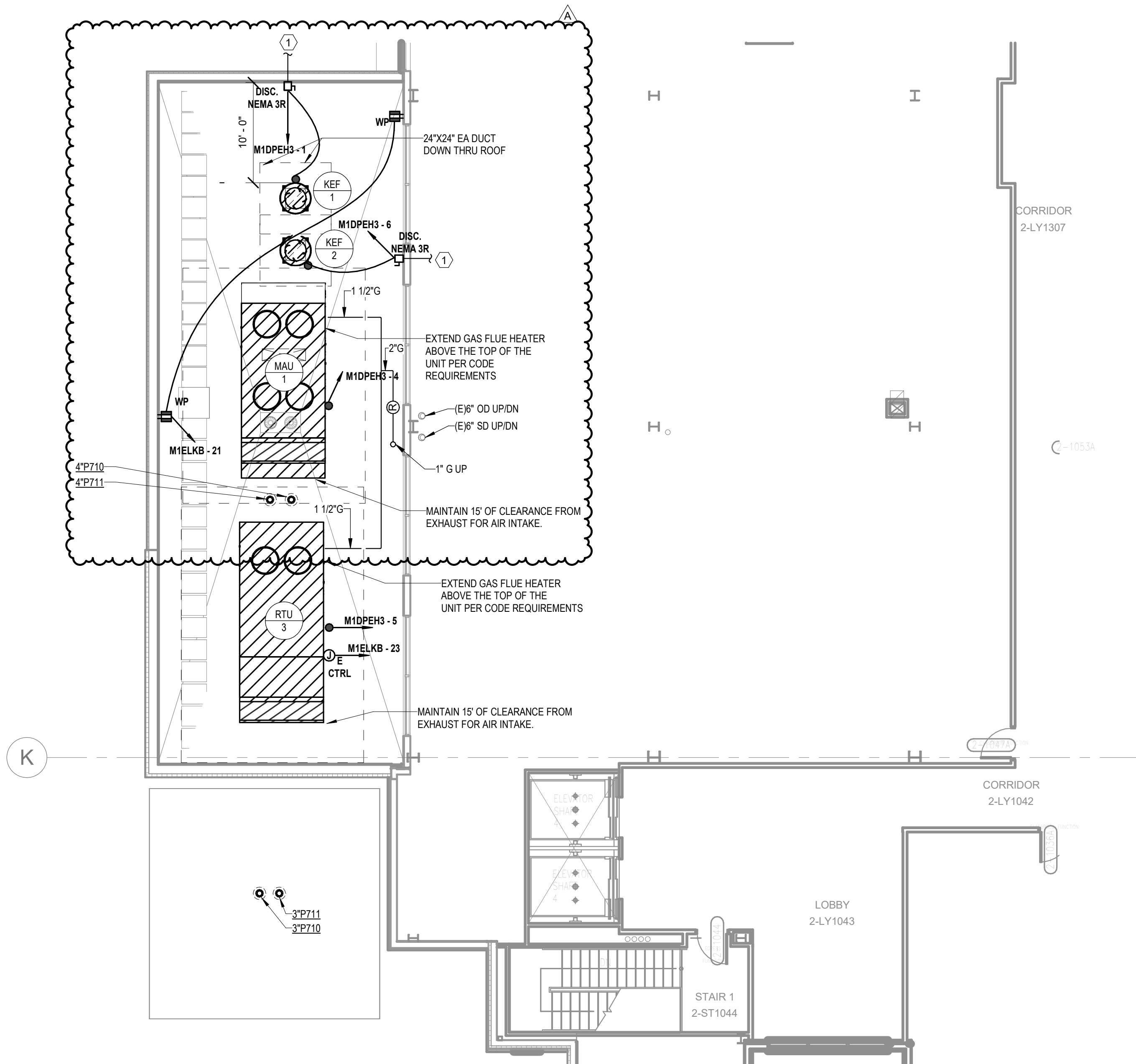
MEP02-02D

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.



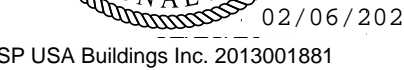
1 ROOF PLAN - DINING - MEP
1/8" = 1'-0"

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6900 East Camelback
Suite 500
Scottsdale, AZ 85251

www.devenneygroup.com

wsp |



NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE
"PRIMARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OF
PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT
ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIG
ENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL
PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT
OVERALL FORM AS WELL AS THE ARRANGEMENT AND
FACES AND ELEMENTS OF THE DESIGN. UNDER SUCH
AUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE
CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETAR
DEVENNEY GROUP LTD.

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO

AGENCY APPROVALS:

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

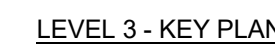
DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.2

ATTACHED MOB ROOF PLAN
- MEP

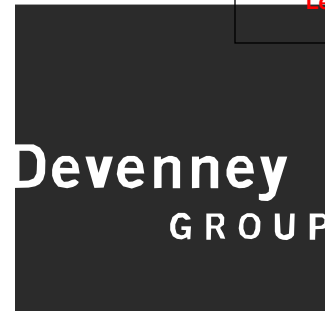
MEP02-03

- A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HANGING CEILINGS.
- D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HANG CEILINGS.
- E. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- F. REFER TO SHEET E00-00 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
- G. REFER TO ARCHITECTURAL DRAWINGS, FLOOR PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES.
- H. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DETECTORS, FIRE/SMOKE DAMPERS, VAV BOXES, FJUS, ETC. WITH MECHANICAL DRAWINGS AND DISPOSITION 23 CONTRACTOR
- I. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL EQUIPMENT FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

1. MOUNT ELECTRICAL DEVICES TO UNIMSTR.
2. USE EXISTING EA ROOF PENETRATION FOR NEW EXHAUST DUCTWORK.
3. CONNECT TO EXISTING 1000V 3PH 4W 3T IN SHAFT.
4. CONNECT DISCONNECT SWITCH TO VARIABLE FREQUENCY DRIVE (VFD) LOCATED IN EXISTING ROOM 1012 ON 1ST FLOOR. REFER TO VFD 9303-01 FOR ADDITIONAL INFORMATION.
5. DISCONNECT SWITCHES INSTALLED ON THE LOAD SIDE OF VFD SHALL BE EQUIPPED WITH LOCK AND ACCESSORY LOCKING 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.
6. CONTRACTOR SHALL CONDUCT PRE-CONSTRUCTION TASK READINGS FOR EJEF-21.



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



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

Consultant:



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SITE & BRIDGE EARLY RELEASE PACKAGE

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LEE'S SUMMIT, MO 64063

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

FACILITY NUMBER:
0972400009

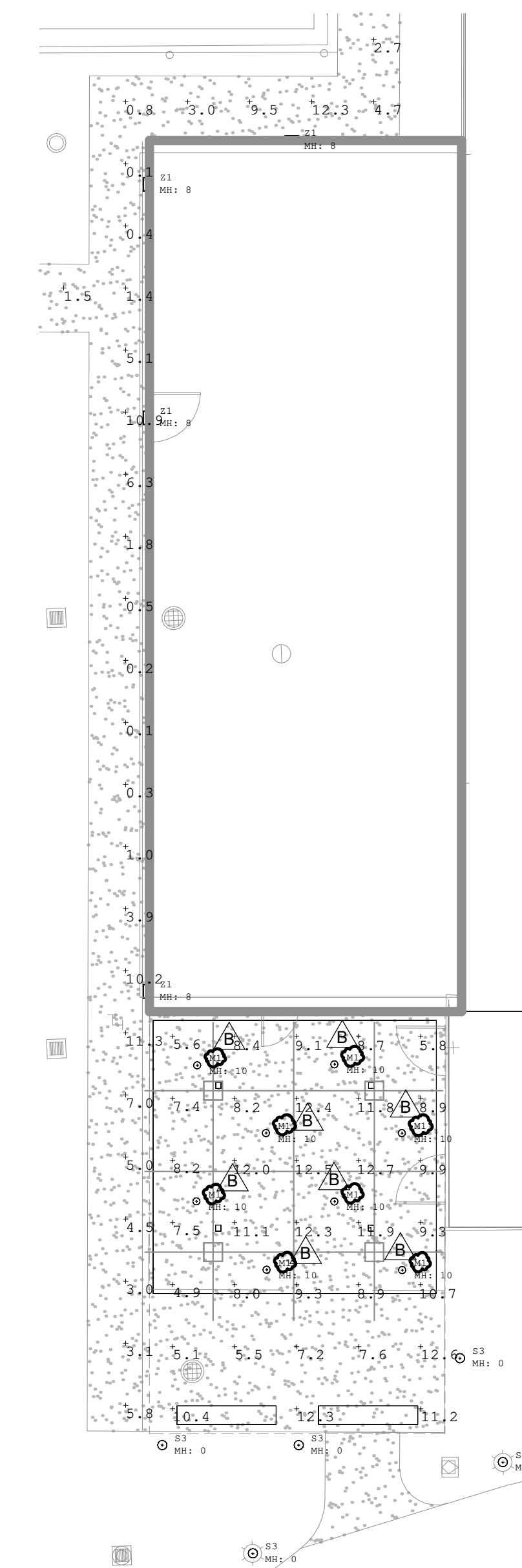
AGENCY APPROVALS:
AGENCY

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

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

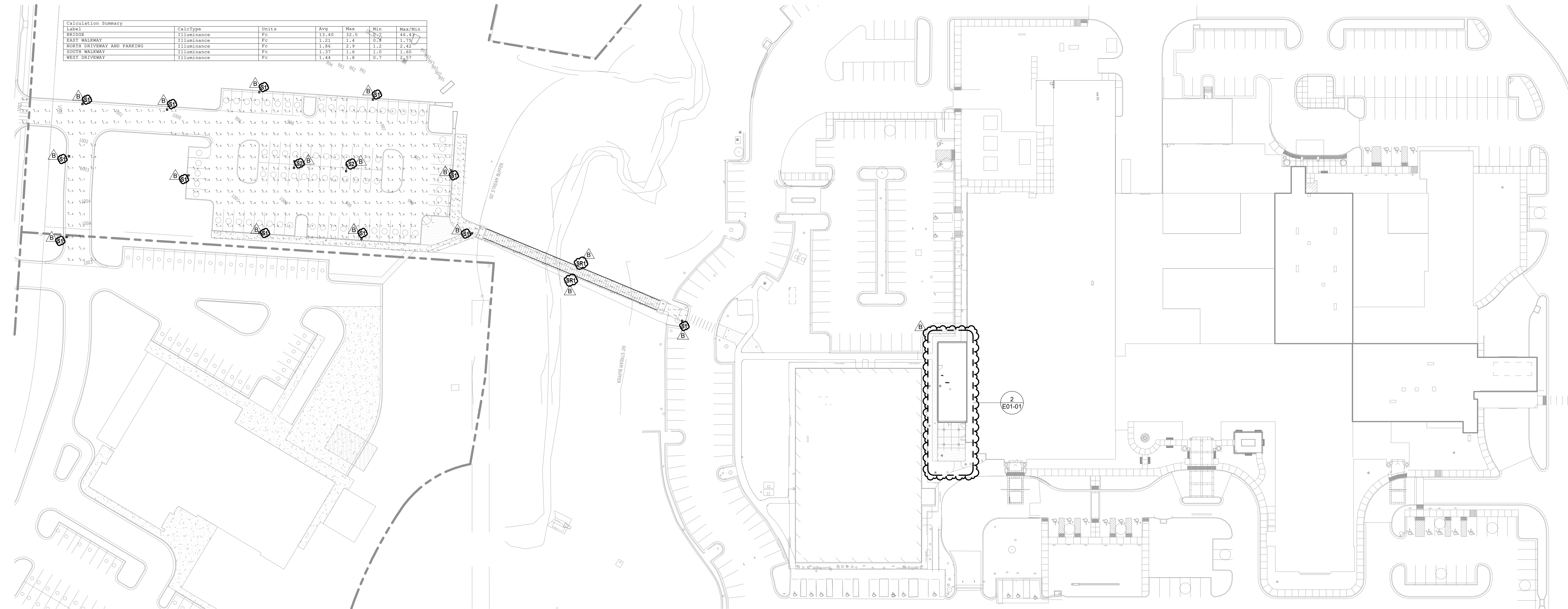
SITE PLAN - PHOTOMETRICS

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"



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

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

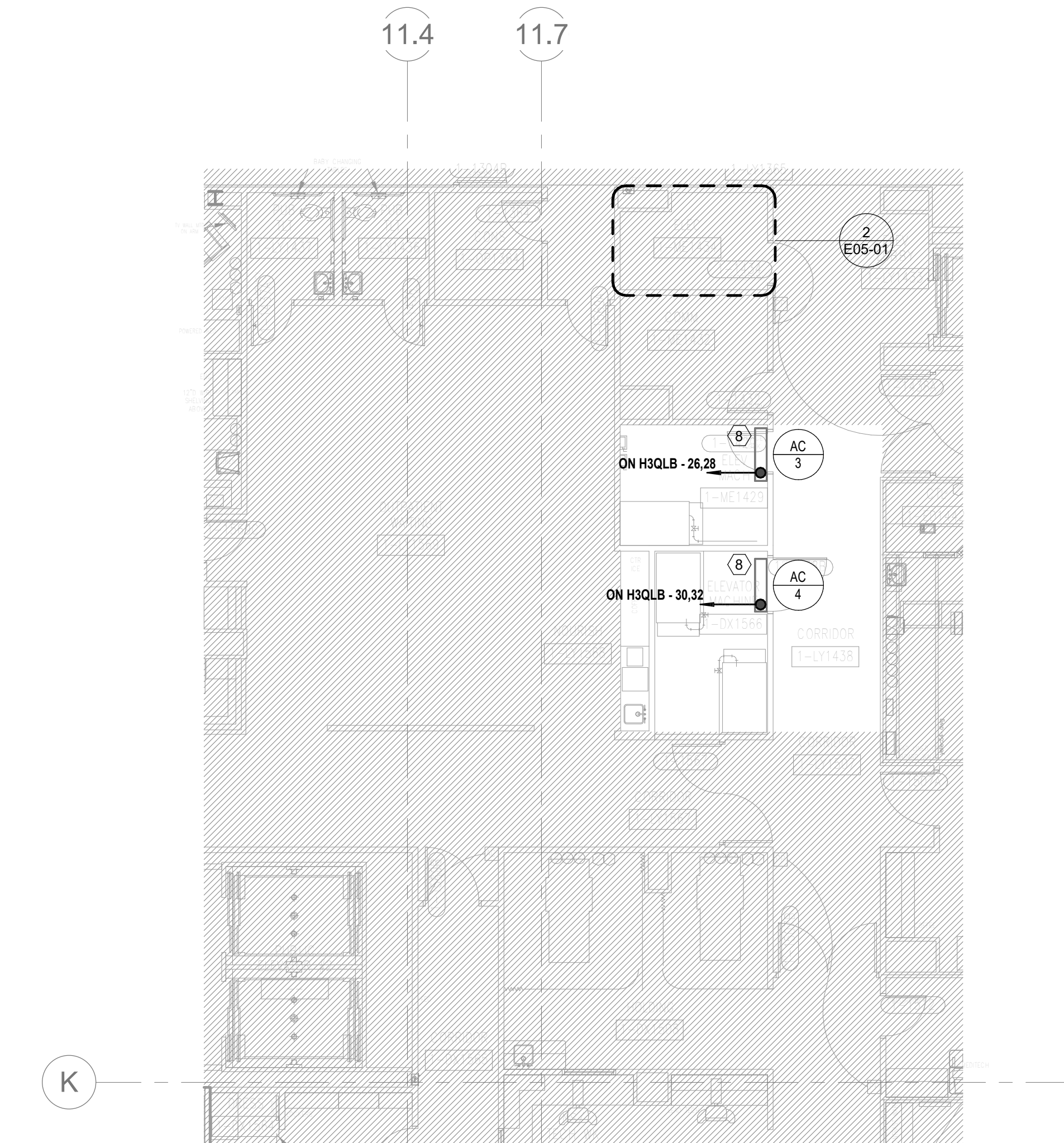
E02-01

GENERAL NOTES

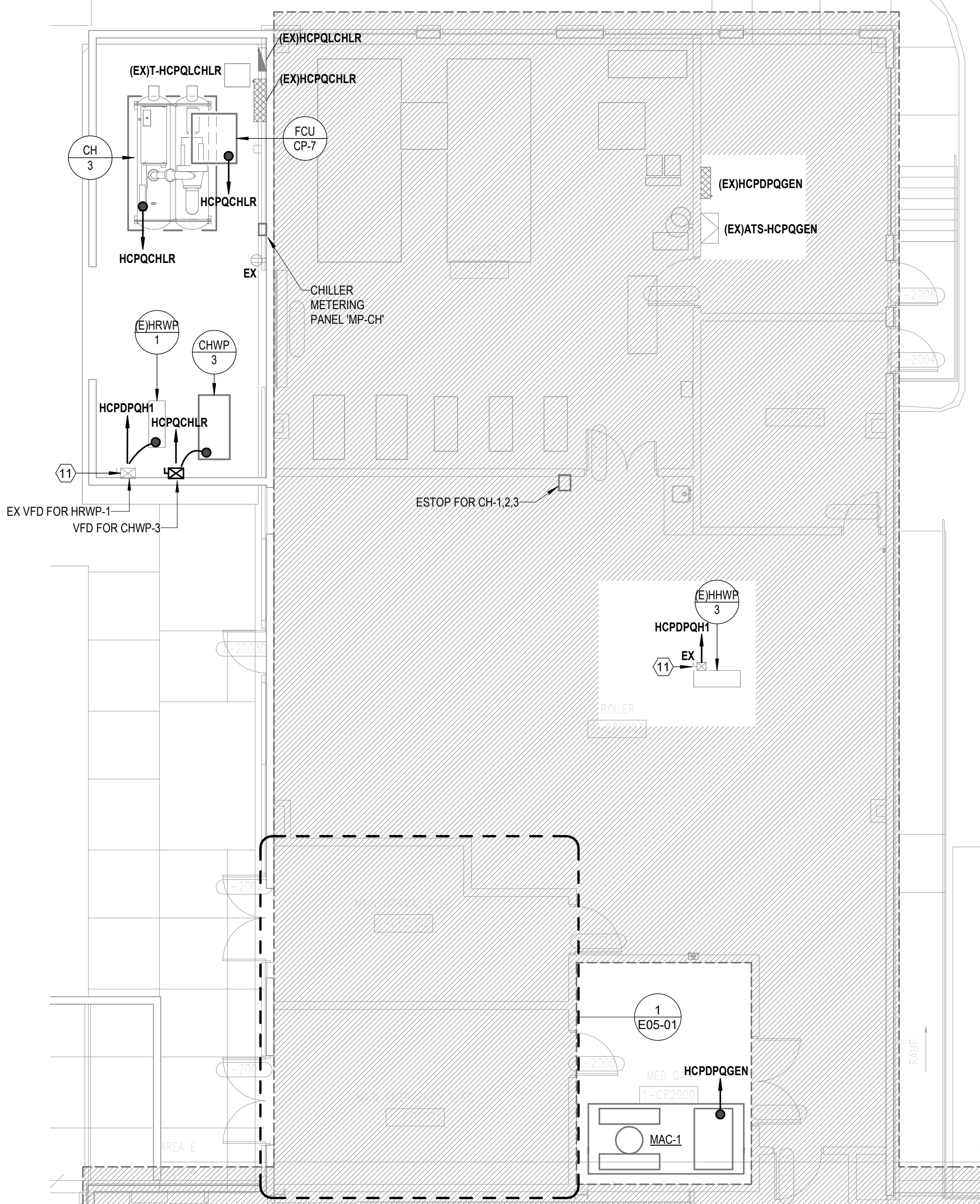
- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- REFER TO SHEET E00 SERIES FOR FEEDER AND PANELBOARD SCHEDULES
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING 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

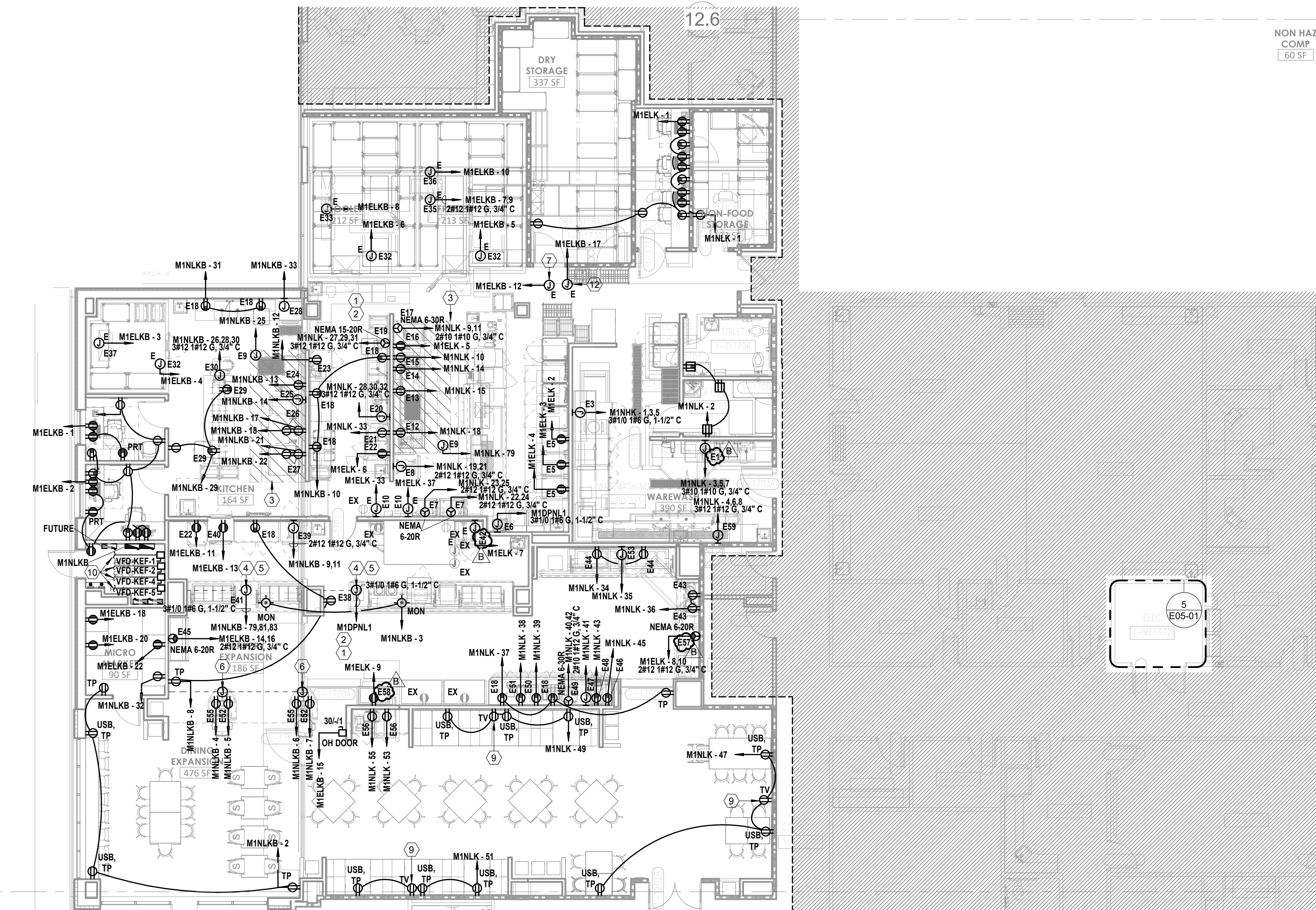
- CAREFULLY REVIEW AND COORDINATE THE EXACT REQUIREMENTS OF THE FOOD SERVICE EQUIPMENT WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR EQUIPMENT, BRANCH CIRCUIT REQUIREMENTS, TERMINATION DETAILS, AND OTHER ITEMS NECESSARY TO PROVIDE THE PROPER ELECTRICAL WORK FOR THE FOOD 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.



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"

LEVEL 1 - KEYPLAN

SECTOR A

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



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

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CESSATION OF CONSTRUCTION ON BUILDINGS BEING SIZED AND/OR MONETARY
COMPENSATION TO DEVENNEY GROUP LTD.

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LEE'S SUMMIT, MO 64063

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MISSOURI DHSS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
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AGENCY APPROVALS:

REVISIONS		
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FLOOR PLAN - LEVEL 03 -
SECTOR A POWER

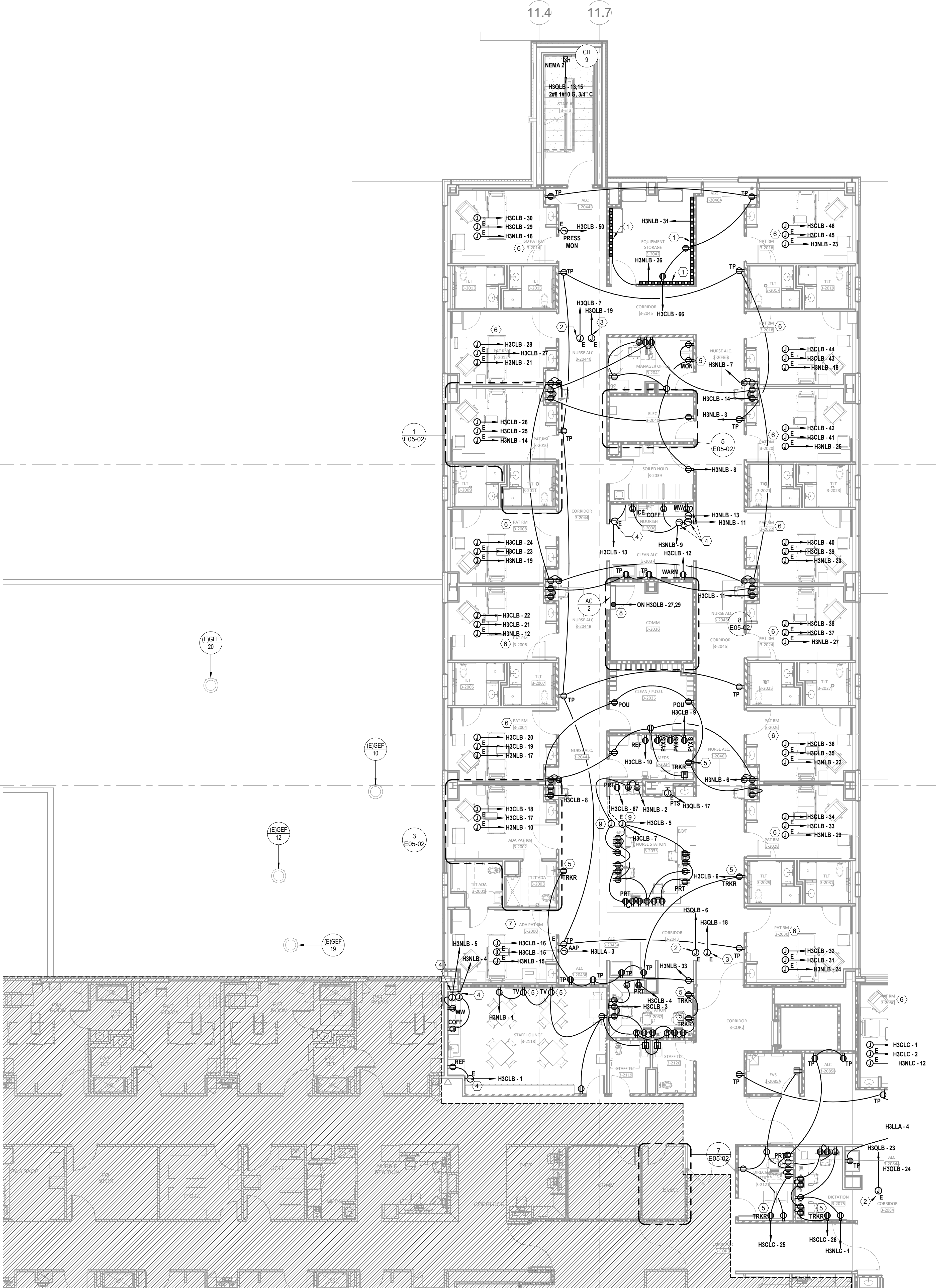
E02-03A

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.



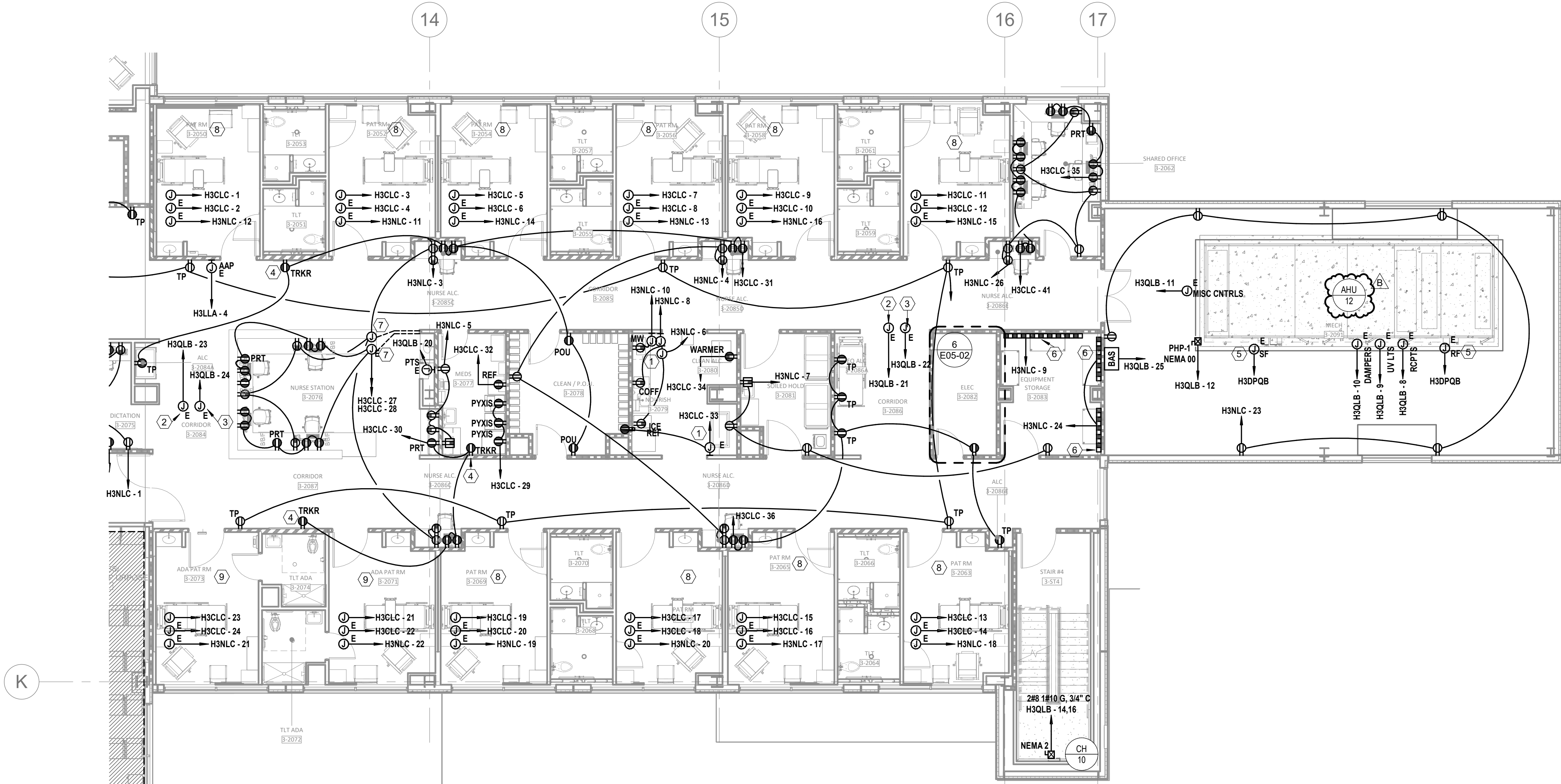
1 FLOOR PLAN - LEVEL 03 - SECTOR A POWER
1/8" = 1'-0"

GENERAL NOTES

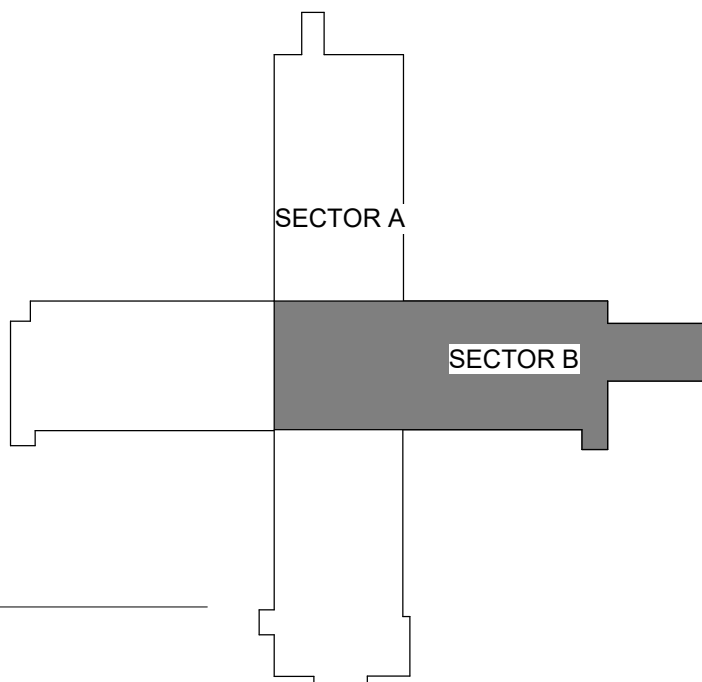
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- COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE/SMOKE DAMPERS, VAV BOXES, FCUS, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR
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LEGEND NOTES

- 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.
- 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.
- 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 SMOKE DAMPER AND MOTORIZED DAMPER REQUIREMENTS. REFER TO MECHANICAL DRAWINGS FOR BOX LOCATIONS. MAXIMUM OF 15 TERMINAL UNITS PER CIRCUIT. QUANTITY OF SMOKE WALLS AND MOTORIZED DAMPERS 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.
- 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.
- EQUIPMENT IS PROVIDED WITH INTEGRAL DISCONNECT BY MANUFACTURER, CIRCUITED BY DIV. 26.
- PROVIDE PLUGMOLD EQUAL TO WIREMOLD AL3300 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.
- 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.
- REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP 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.



LEVEL 3 - KEY PLAN



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

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FLOOR PLAN - LEVEL 03 -
SECTOR B POWER

E02-03B

Autodesk Docx/14402-24 - HCA - Lee's Summit Medical Center (LSMC) - r223/MEP - LMC Med Surg & Devenney Expansion_r23.rvt 1/29/2025 3:34:02 PM

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FLOOR PLAN - LEVEL 03 -
SECTOR A LIGHTING

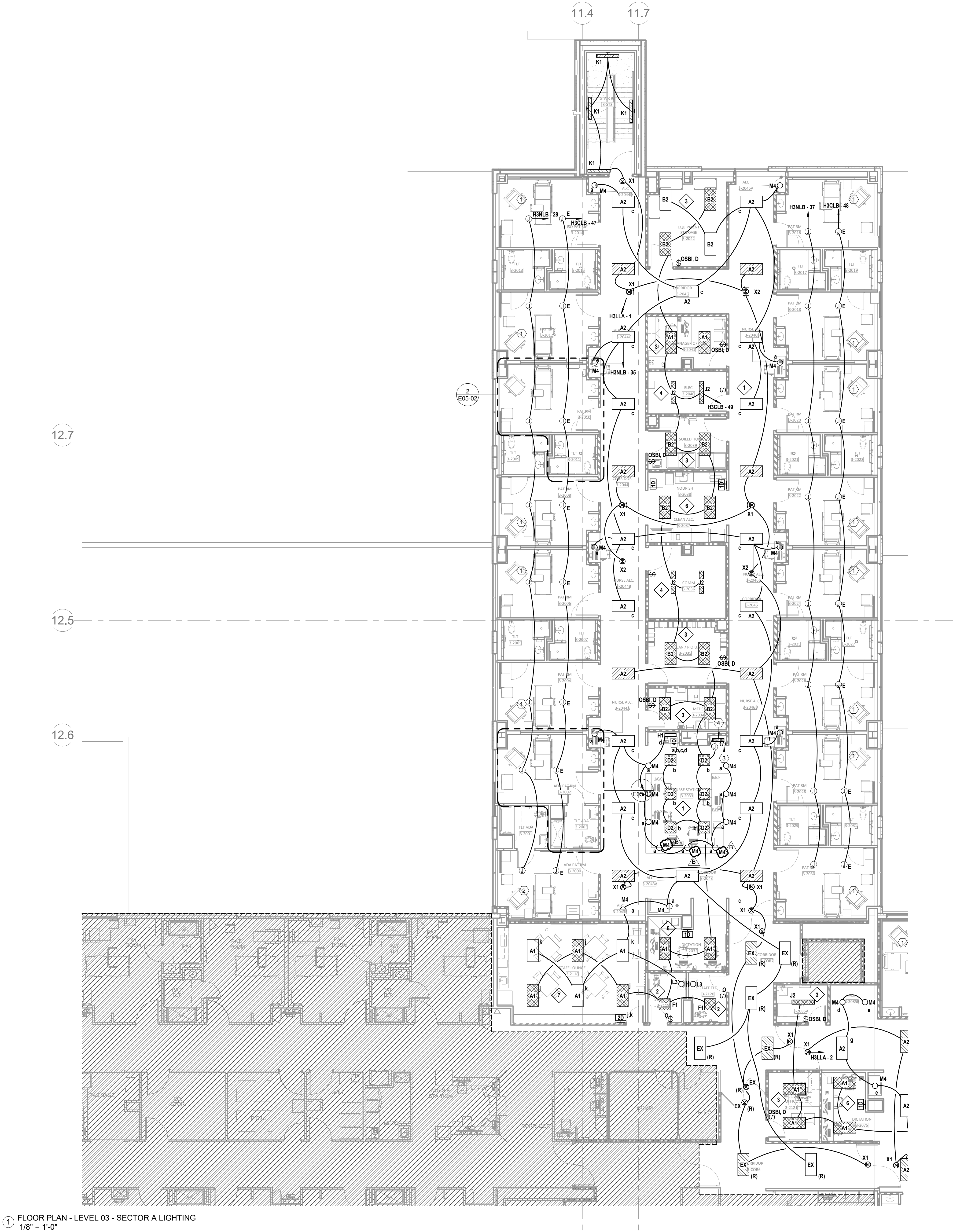
E03-03A

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



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



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



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

FLOOR PLAN - LEVEL 03 -
SECTOR B LIGHTING

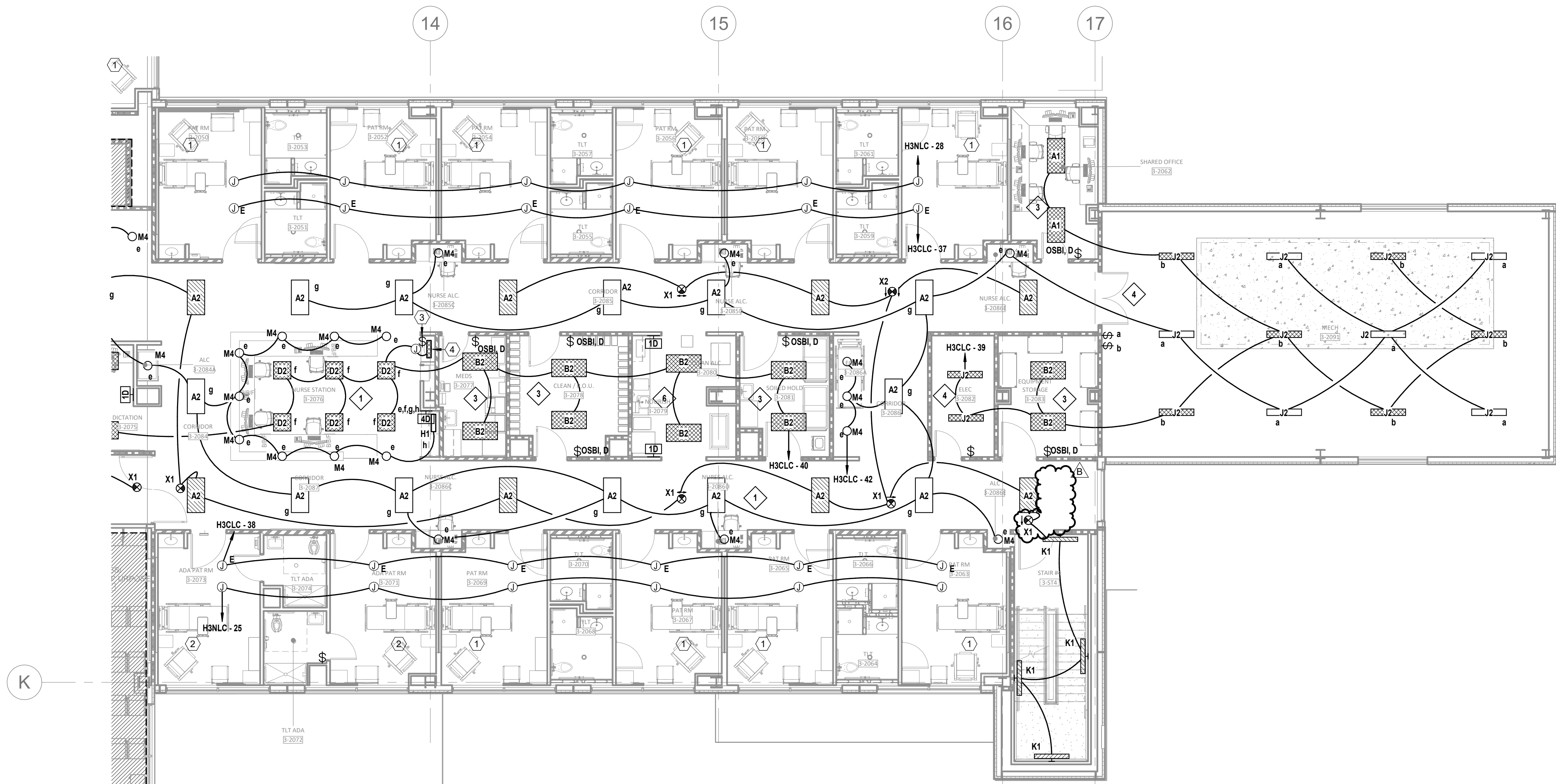
E03-03B

GENERAL NOTES

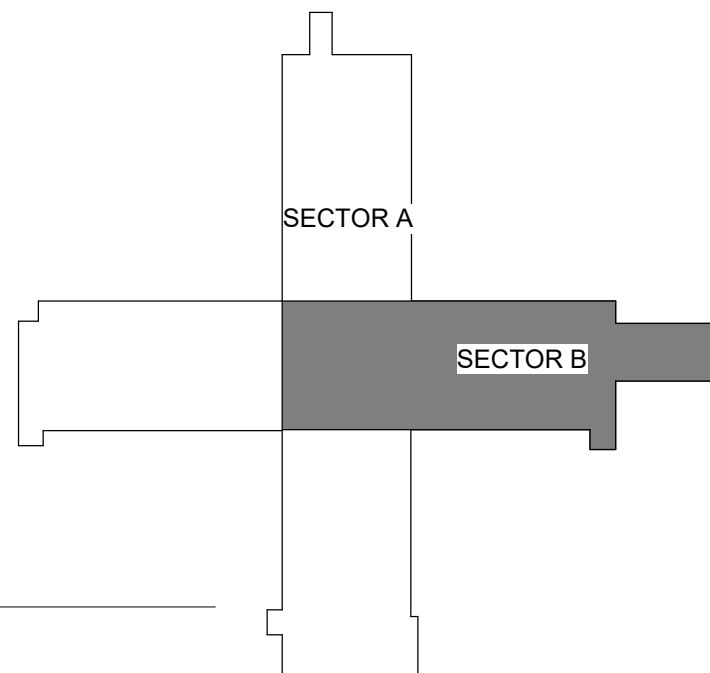
- REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF ALL WIRING DEVICES
- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- REFER TO SHEET E8-02 FOR LIGHT SCHEDULES
- 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.
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LEVEL 3 - KEY PLAN





Devenney Group Ltd., Architects

6900 East Camelback Road
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Scottsdale, AZ 85251

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www.devenneygroup.com

Consultant:



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FLOOR PLAN - LEVEL 03 -
SECTOR A SPECIAL SYSTEMS

E04-03A

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 M02-002A FOR EXACT LOCATION.



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



Devenney Group Ltd., Architects

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FLOOR PLAN - LEVEL 03 -
SECTOR B SPECIAL SYSTEMS

E04-03B

GENERAL NOTES

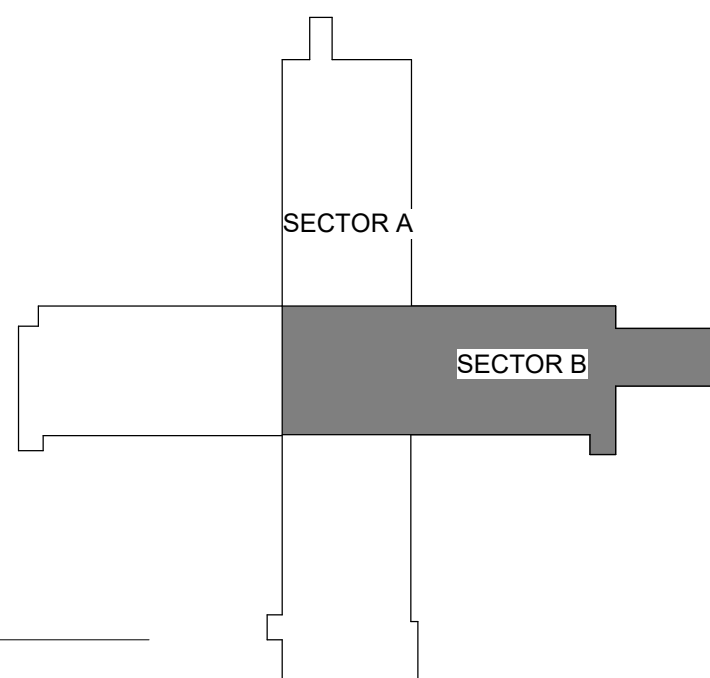
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- PROVIDE APPROPRIATE EQUIPMENT AND CONNECTION(S) REQUIRED TO RELEASE DOOR HOLDERS UPON ALARM SIGNAL FROM THE FIRE ALARM CONTROL PANEL.
- PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM(S).

LEGEND NOTES

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



LEVEL 3 - KEY PLAN



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Suite 500
Scottsdale, AZ 85251

www.devenneygroup.com

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LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
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DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

ENLARGED PLANS -
ELECTRICAL

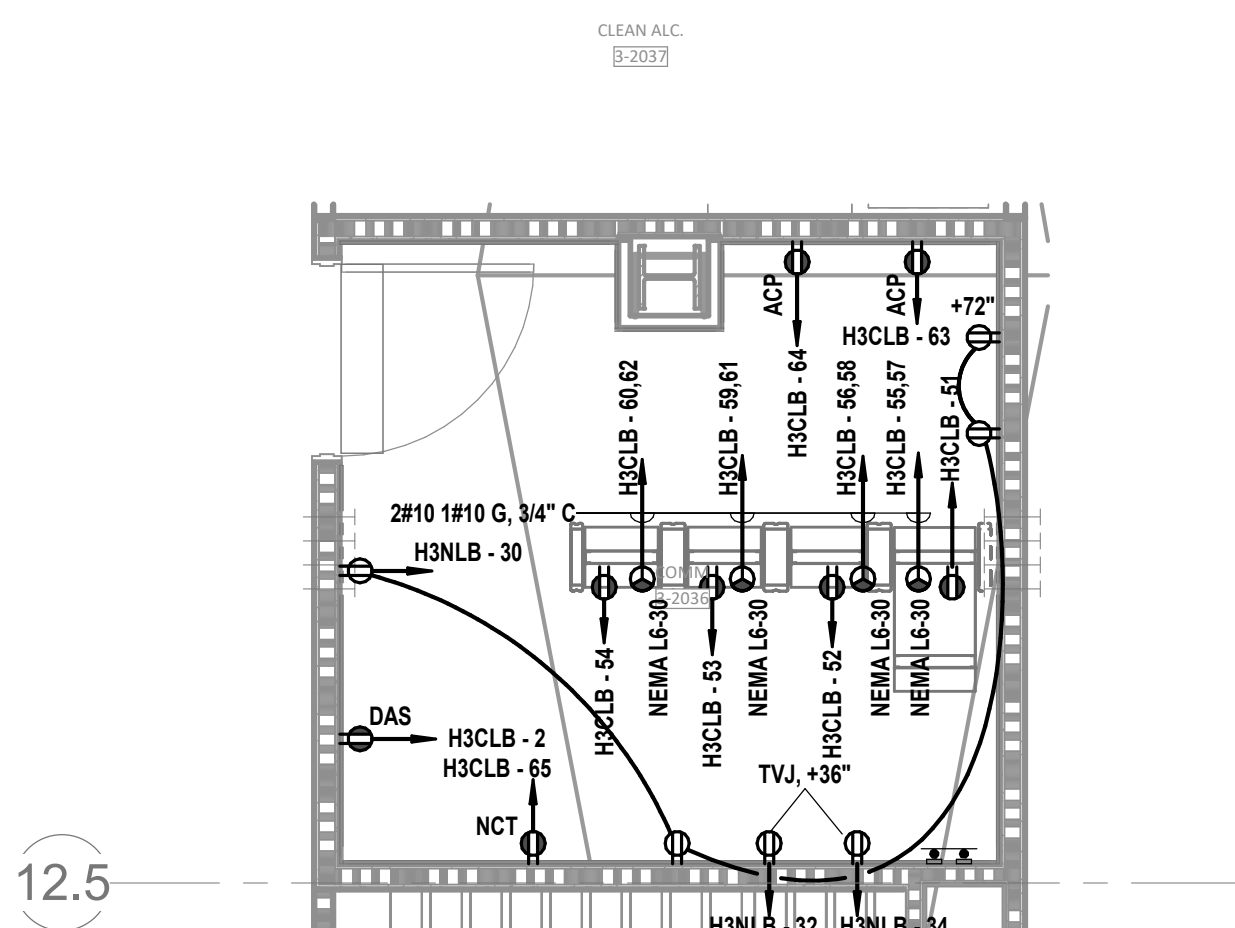
E05-02

GENERAL NOTES

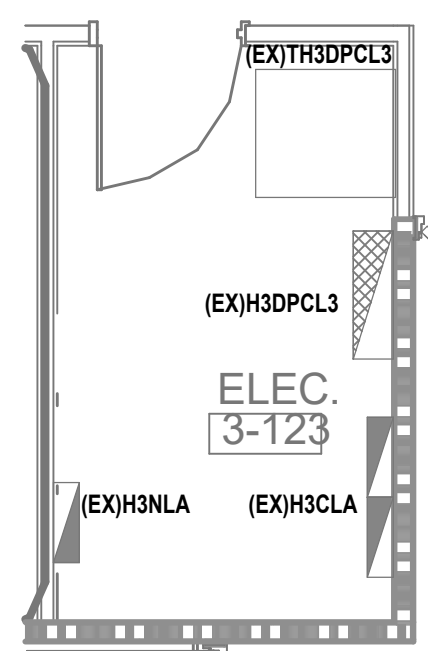
- A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- B. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
- C. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, SECTIONS, VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND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

LEGEND NOTES

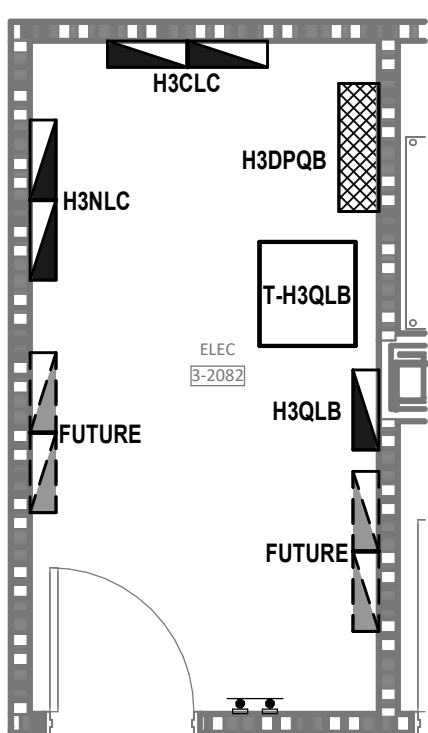
- RECEPTACLE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- RECEPTACLES SHOWN FOR HEADWALL AND SINK WALL ARE FOR REFERENCE ONLY IN THIS SECTION. CONTRACTOR SHALL PROVIDE ALL RECEPTACLES FOR PRE-FABRICATED WALLS UNLESS OTHERWISE NOTED. ALL CIRCUITRY FROM RECEPTACLE TO RESPECTIVE JUNCTION BOXES SHALL BE PROVIDED WITH PRE-FABRICATED WALL. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CIRCUITRY FROM RECEPTACLE TO JUNCTION BOXES UNLESS OTHERWISE NOTED. ALL CIRCUITRY FROM RECEPTACLE TO JUNCTION BOXES UNLESS OTHERWISE NOTED. ALL CIRCUITRY FROM RECEPTACLE TO JUNCTION BOXES UNLESS OTHERWISE NOTED.
- ALL FIXTURES, DEVICES, CONDUITS, AND CONDUCTORS SHOWN ARE FOR REFERENCE ONLY AND PROVIDED WITH OWNER FURNISHED, PRE-FABRICATED POOL UNLESS OTHERWISE NOTED. ABOVE CEILING JUNCTION BOXES SHOWN ARE PROVIDED WITH 2" EGRESS PANEL TO BE PROVIDED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONDUITS AND CONDUCTORS TO JUNCTION BOX AS SHOWN.
- DEVICES) TO BE LOCATED IN TV BACK-BAY. REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR TV MOUNTING. CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ALL CIRCUITRY FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN.
- REFER TO E2 EGRESS FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING.
- REFER TO E3 EGRESS FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING.
- SWITCHES TO BE PROVIDED WITH OWNER FURNISHED, PRE-FABRICATED POOL UNLESS OTHERWISE NOTED.
- PROVIDE CONNECTION TO NURSE CALL SYSTEM. THE AMBIENT LIGHTING 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 AND WIRING TO THE LOW VOLTAGE CONTROLLER IN THE OVER BED LIGHT FIXTURE. THE OVER BED LIGHT FIXTURE SHALL BE PROVIDED WITH TWO SWITCHES FOR INDIVIDUAL CONTROL OF THE AMBIENT LIGHTING. COORDINATE THE EXACT LOW VOLTAGE CONTROLLER IN THE OVER BED LIGHT FOR THE OVER BED LIGHT. THE OVER BED LIGHT SHALL BE PROVIDED WITH TWO SWITCHES FOR INDIVIDUAL CONTROL OF THE AMBIENT LIGHTING. COORDINATE THE EXACT LOW VOLTAGE CONTROLLER IN THE OVER BED LIGHT FOR THE OVER BED LIGHT.
- CONTRACTOR TO FURNISH AND INSTALL ALL DEVICES IN FOOTWALL.



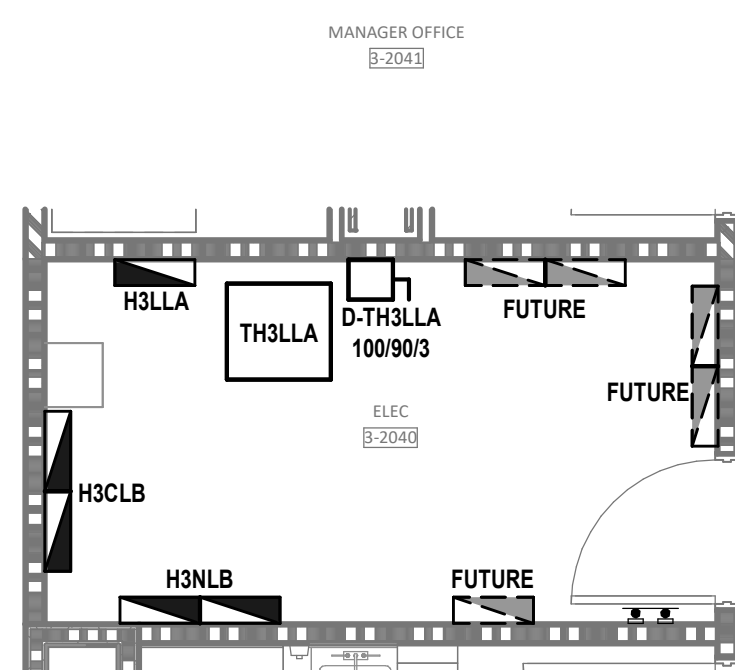
8 ENLARGED FLOOR PLAN - LEVEL 03 COMM 3-2036
1/4" = 1'-0"



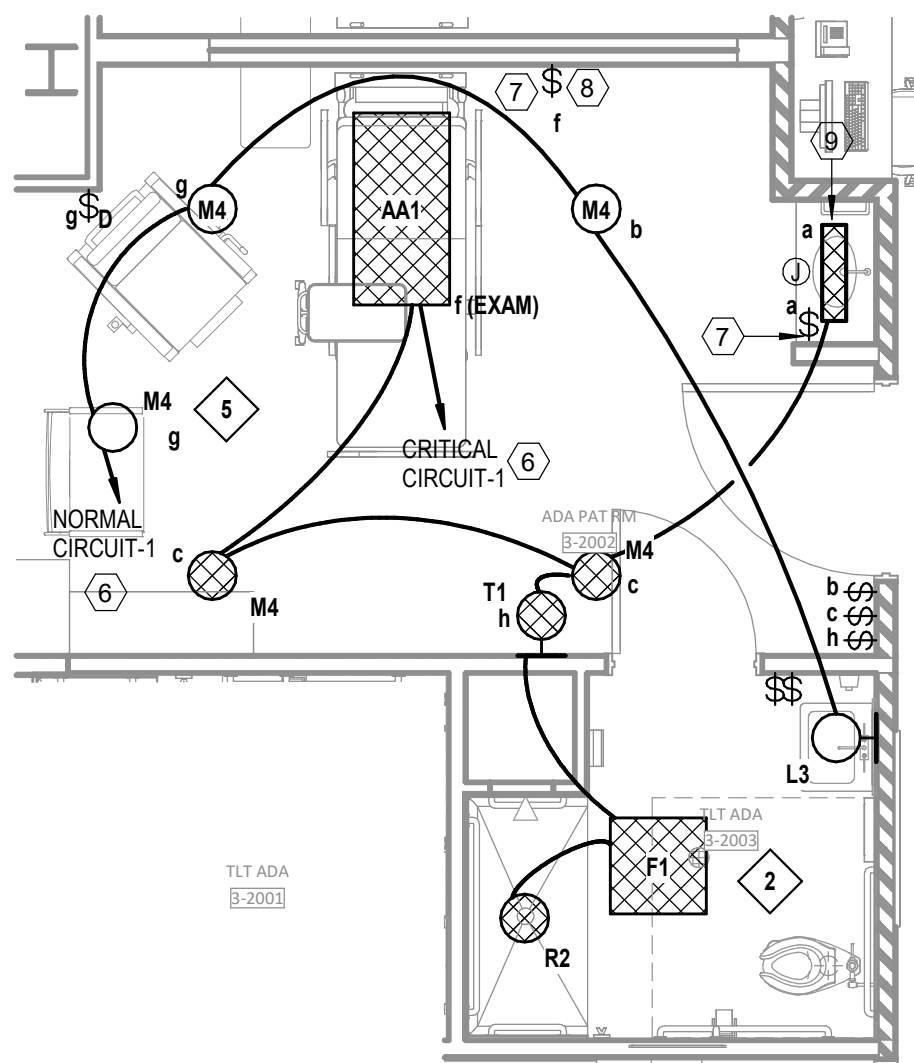
7 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 123 - POWER
1/4" = 1'-0"



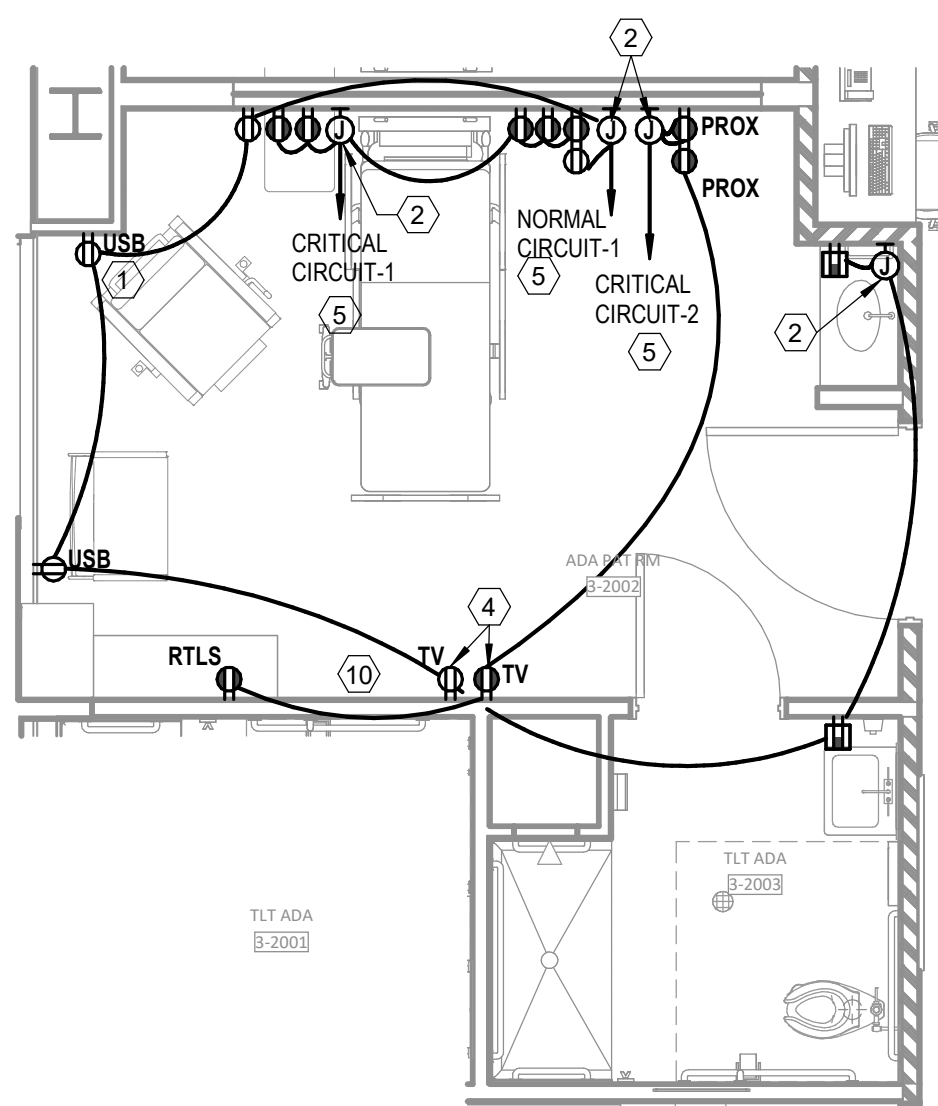
6 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 229 - POWER
1/4" = 1'-0"



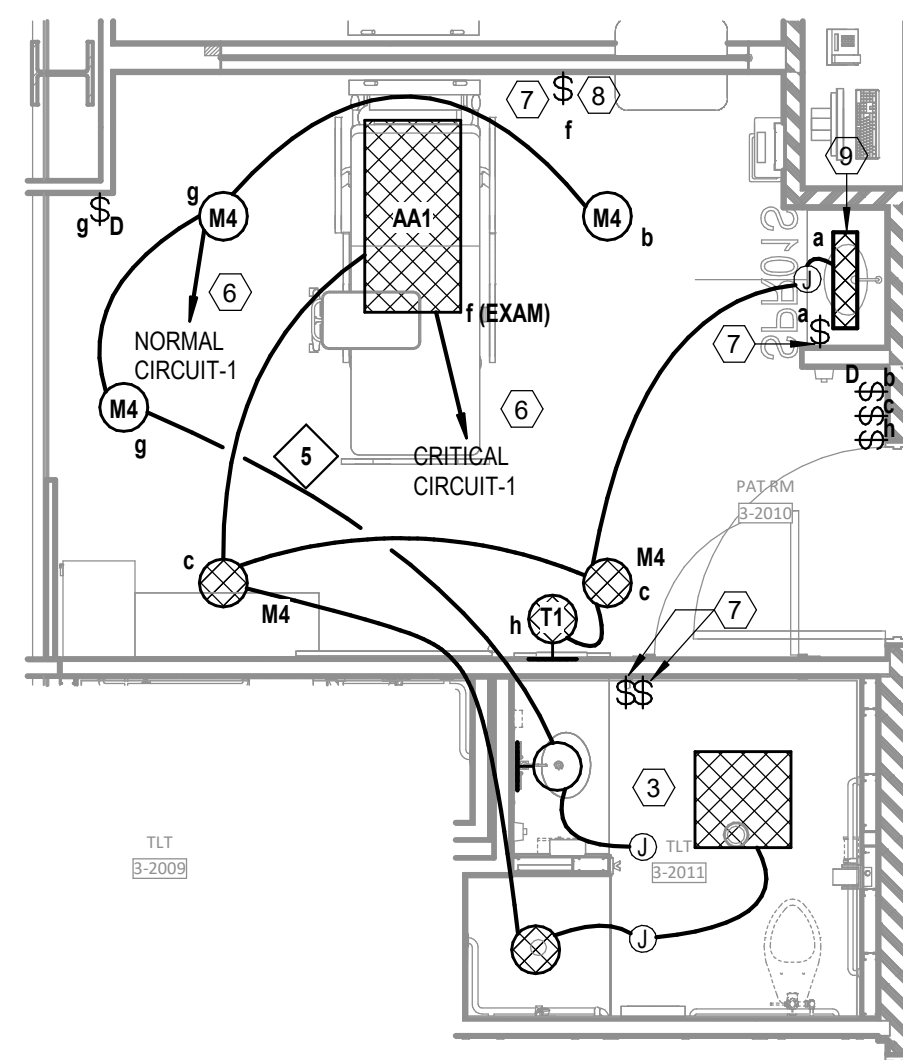
5 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 64 - POWER
1/4" = 1'-0"



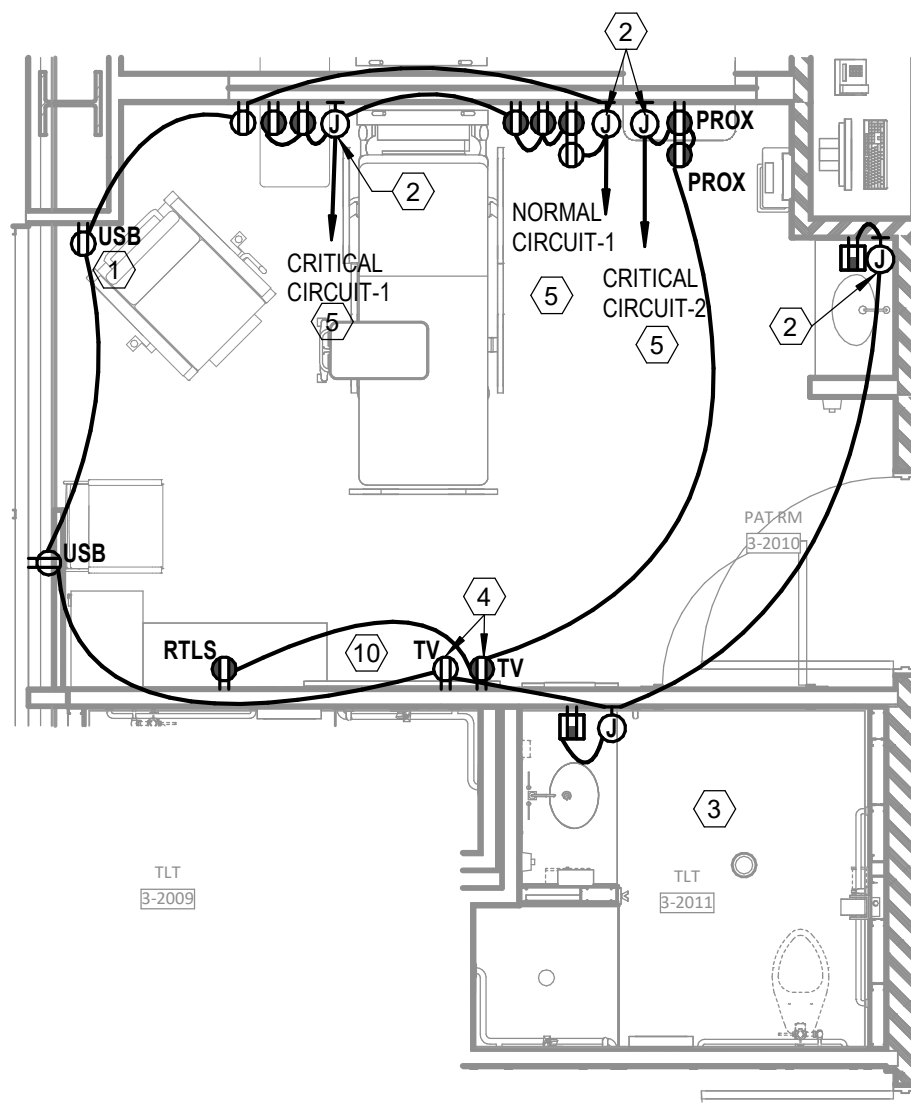
4 FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - LIGHTING
1/4" = 1'-0"



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"

Devenney Group Ltd., Architect

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

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www.devenneygroup.com

Consultant:

wsp |



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ONE LINE DIAGRAM - ELECTRICAL

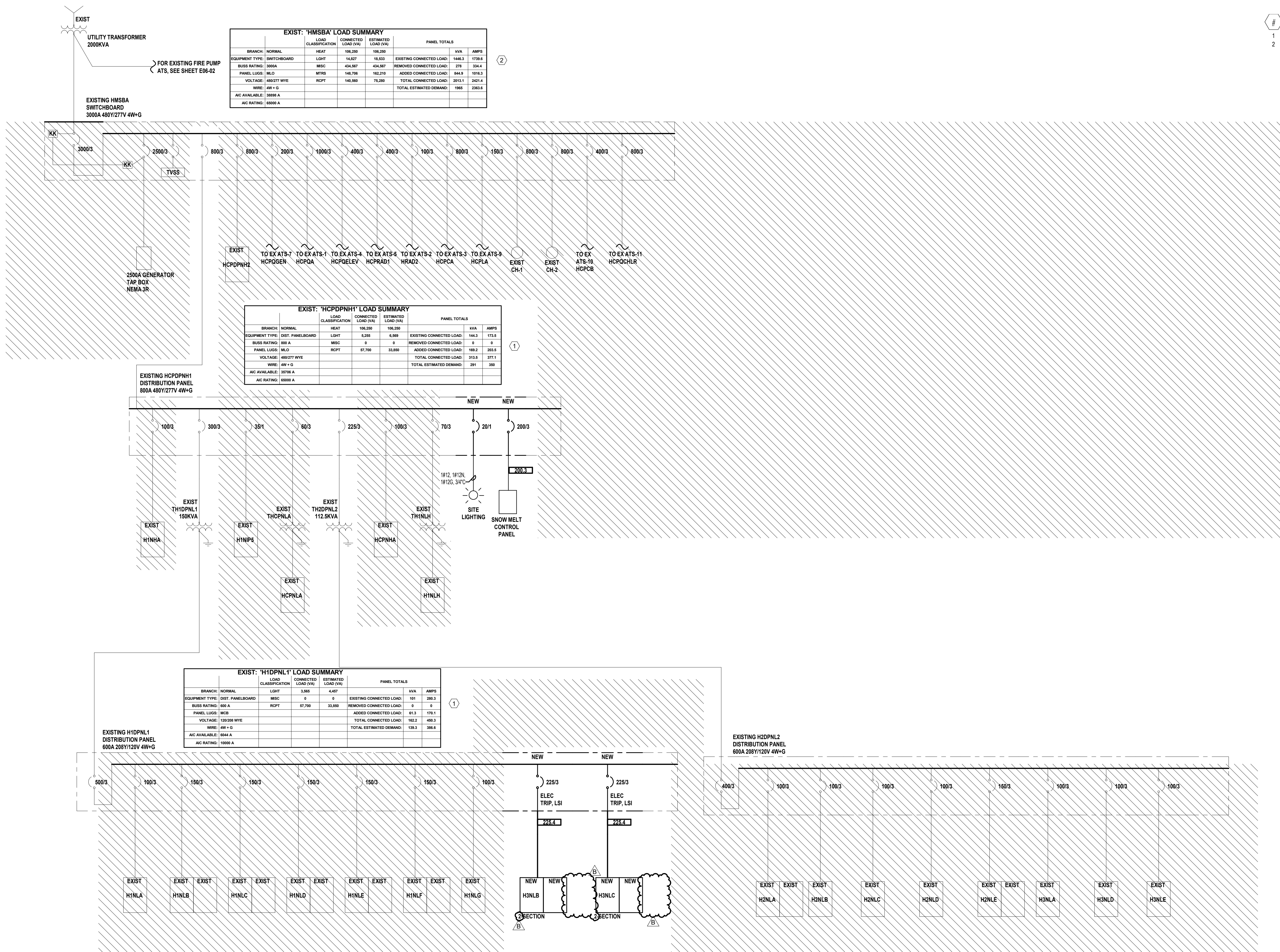
E06-01

GENERAL NOTES

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

LEGEND NOTES

- 1 EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25
2 EXISTING LOAD IS BASED ON LAST 12 MONTHS OF UTILITY TRANSFORMER DATA.



① HOSPITAL - NORMAL ONE-LINE DIAGRAM
N.T.S



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DEMO ONE LINE DIAGRAM -
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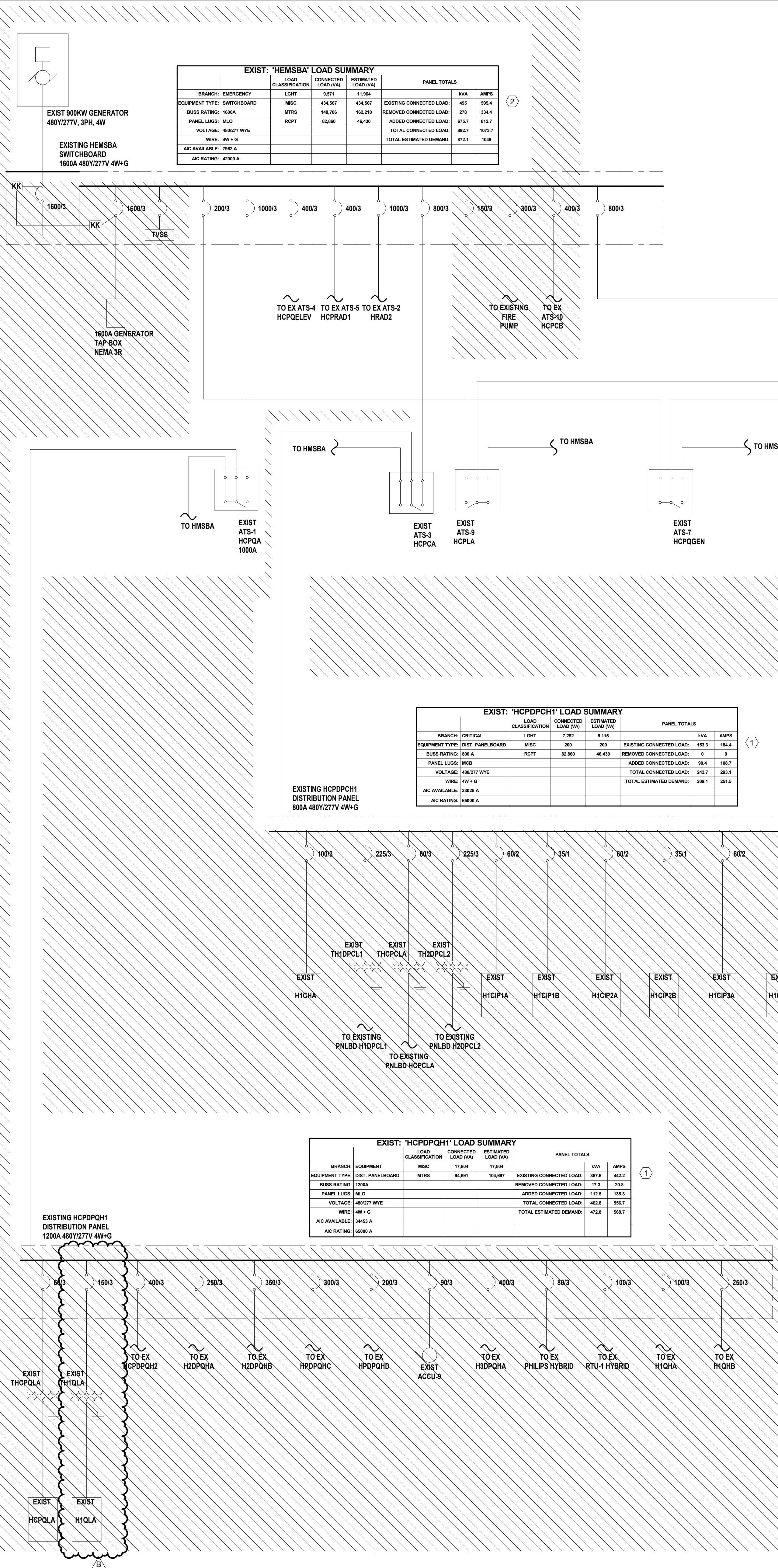
E06-02

GENERAL NOTES

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

LEGEND NOTES

- EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.
- EXISTING LOAD IS BASED ON LAST 12 MONTHS OF GENERATOR TESTING DATA.
- EXISTING MECHANICAL EQUIPMENT TO BE RE-CONNECTED TO EQUIPMENT PANEL HCPDPQH1. ALL ASSOCIATED EXISTING STARTER(S) AND DISCONNECT(S) TO REMAIN. EXISTING CONDUCTORS AND CONDUIT TO REMAIN AND SPICE 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".



EXIST: 'HMSBA' LOAD SUMMARY					
BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS
BRANCH	EMERGENCY	LIGHT	5,571	11,984	
EQUIPMENT TYPE	SWITCHBOARD	MSC	434,567	434,567	EXISTING CONNECTED LOAD: 456 586.4
BUS RATING	1000A	MTS	148,798	162,210	REMOVED CONNECTED LOAD: 278 334.4
PANEL LUGS	MLD	RCPT	82,860	46,438	ADDED CONNECTED LOAD: 87.7 115.7
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD: 882.7 1073.7
WIRE	4W + G				TOTAL ESTIMATED DEMAND: 872.1 1049
AC AVAILABLE	700 A				
AC RATING	4200 A				

EXIST: 'HCPDPQH1' LOAD SUMMARY					
BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS
BRANCH	EMERGENCY	LIGHT	5,571	11,984	
EQUIPMENT TYPE	SWITCHBOARD	MSC	434,567	434,567	EXISTING CONNECTED LOAD: 456 586.4
BUS RATING	1000A	MTS	148,798	162,210	REMOVED CONNECTED LOAD: 278 334.4
PANEL LUGS	MLD	RCPT	82,860	46,438	ADDED CONNECTED LOAD: 87.7 115.7
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD: 882.7 1073.7
WIRE	4W + G				TOTAL ESTIMATED DEMAND: 872.1 1049
AC AVAILABLE	700 A				
AC RATING	4200 A				

EXIST: 'HCPDPQH2' LOAD SUMMARY					
BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS
BRANCH	EMERGENCY	LIGHT	5,571	11,984	
EQUIPMENT TYPE	SWITCHBOARD	MSC	434,567	434,567	EXISTING CONNECTED LOAD: 456 586.4
BUS RATING	1000A	MTS	148,798	162,210	REMOVED CONNECTED LOAD: 278 334.4
PANEL LUGS	MLD	RCPT	82,860	46,438	ADDED CONNECTED LOAD: 87.7 115.7
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD: 882.7 1073.7
WIRE	4W + G				TOTAL ESTIMATED DEMAND: 872.1 1049
AC AVAILABLE	700 A				
AC RATING	4200 A				

EXIST: 'HCPDPQH3' LOAD SUMMARY					
BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS
BRANCH	EMERGENCY	LIGHT	5,571	11,984	
EQUIPMENT TYPE	SWITCHBOARD	MSC	434,567	434,567	EXISTING CONNECTED LOAD: 456 586.4
BUS RATING	1000A	MTS	148,798	162,210	REMOVED CONNECTED LOAD: 278 334.4
PANEL LUGS	MLD	RCPT	82,860	46,438	ADDED CONNECTED LOAD: 87.7 115.7
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD: 882.7 1073.7
WIRE	4W + G				TOTAL ESTIMATED DEMAND: 872.1 1049
AC AVAILABLE	700 A				
AC RATING	4200 A				

EXIST: 'H3DPCL3' LOAD SUMMARY					
BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS
BRANCH	EMERGENCY	LIGHT	5,571	11,984	
EQUIPMENT TYPE	SWITCHBOARD	MSC	434,567	434,567	EXISTING CONNECTED LOAD: 456 586.4
BUS RATING	1000A	MTS	148,798	162,210	REMOVED CONNECTED LOAD: 278 334.4
PANEL LUGS	MLD	RCPT	82,860	46,438	ADDED CONNECTED LOAD: 87.7 115.7
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD: 882.7 1073.7
WIRE	4W + G				TOTAL ESTIMATED DEMAND: 872.1 1049
AC AVAILABLE	700 A				
AC RATING	4200 A				



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

Consultant:



02/06/2025
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: 1/8" = 1'-0"
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

ONE LINE DIAGRAM - ELECTRICAL

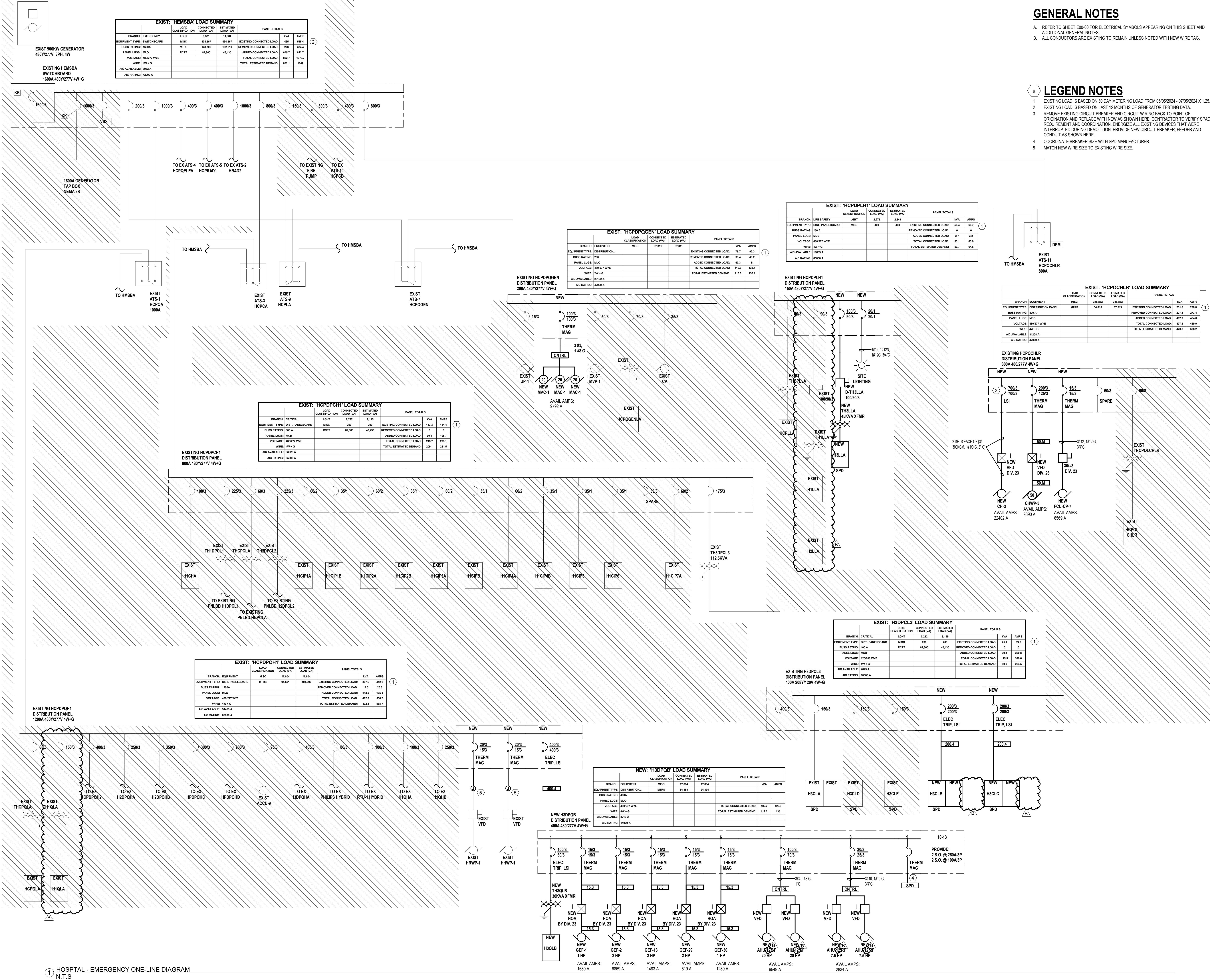
E06-03

GENERAL NOTES

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

LEGEND NOTES

- EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.
- EXISTING LOAD IS BASED ON LAST 12 MONTHS OF GENERATOR TESTING DATA.
- REMOVE EXISTING CIRCUIT BREAKER AND CIRCUIT WIRING BACK TO POINT OF ORIGIN AND REPLACE WITH NEW AS SHOWN HERE. CONTRACTOR TO VERIFY SPACE REQUIREMENT AND COORDINATION. ENERGIZE ALL EXISTING DEVICES THAT WERE INTERRUPTED DURING DEMOLITION. PROVIDE NEW CIRCUIT BREAKER, FEEDER AND CONDUIT AS SHOWN HERE.
- COORDINATE BREAKER SIZE WITH SPD MANUFACTURER.
- MATCH NEW WIRE SIZE TO EXISTING WIRE SIZE.



wsp |



AGENCY APPROVALS:

DETAILS - ELECTRICAL

④ TYPICAL PATIENT MULTI-MODE LIGHTING CONTROL DIAGRAM
N.T.S.

③ DUCTBANK SECTION
N.T.S.

FIRE ALARM
② SEQUENCE OF OPERATIONS
N.T.S

① INDOOR AIR HANDLING UNIT DUCT MOUNTED SMOKE DETECTOR DETAIL
N.T.S.



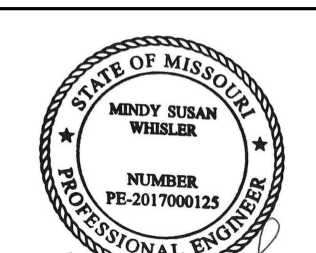
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



02/06/2025
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

ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	PHYSICAL DESCRIPTION					ELECTRICAL SPECIFICATIONS							MANUFACTURER INFORMATION				
			HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS	
A	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' MULTIMODE 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	
B	B2	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	PREP/REC, IVTH	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS	PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	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	
D	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	
	F1K	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	
H	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 MVLTD LED40 S1 AM	
	J2	4'x4' 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'x4' 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	
L	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	
M	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	
R	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-LIT 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-LIT 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		

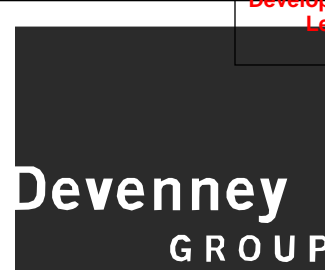
EXTERIOR ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	PHYSICAL DESCRIPTION				ELECTRICAL SPECIFICATIONS							MANUFACTURER INFORMATION				
			HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	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	#DSXOLED-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	#DSXOLED-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 PHOTOCCELL, 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 D0BXD	

LIGHTING CONTROL REQUIREMENTS AND SEQUENCE OF OPERATIONS

TAG	SPACE TYPES	CONTROL		MANUAL CONTROL/OVERRIDE		OCCUPANCY SENSOR		PHOTOCELL CONTROL
		CONTROL DESCRIPTION	CONTROL SYSTEM TYPE	DEVICE	DURATION	TYPE/LOCATION	SET POINT	
1	PUBLIC AREAS, RECEPTION, CORRIDORS	MANUAL ON TO 100%, MANUAL OFF, DIMMING VIA MANUAL CONTROLS	STAND-ALONE	LINE VOLTAGE SWITCH	N/A	N/A	N/A	N/A
2	RESTROOMS/TOILET	AUTO ON TO 100%, AUTO OFF, MANUAL ON/OFF/DIM	STAND-ALONE	LINE VOLTAGE SWITCH	20 MIN	DUAL-TECH, WALL	AUTO ON/DIM: 20 MIN SET POINT	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE
3	ENCLOSED ROOMS (OFFICE, BREAK, SUPPORT, ETC)	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LINE VOLTAGE SWITCH	20 MIN	DUAL-TECH, WALL	AUTO ON 50%, AUTO OFF: 20 MIN SET POINT	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE
4	ELECTRICAL, MECHANICAL, COMM ROOMS	MANUAL ON/OFF	STAND-ALONE	LINE VOLTAGE SWITCH	N/A	N/A	N/A	N/A
5	PATIENT CARE AREAS	MANUAL ON/OFF/DIM	STAND-ALONE	LINE VOLTAGE SWITCH	N/A	N/A	N/A	MANUAL ON/OFF/DIM
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

Autodesk Docx/16406.24 - HCA - Lee's Summit Medical Center (LSMC) - r123/MEP - LMC Med Surg & Deletary 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.



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



02/06/2025
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 DHS

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

E08-04

NEW: M1NLKB										NORMAL									
LOCATION: ELEC 1-1303 MAIN BUS: 225 A MCB: 225A VOLTAGE: 120/208 WYE AIC AVAILABLE: 3882 A AIC RATING: 10000 A					FED FROM: M1DPNL1 WIRES: 4W + G ENCLOSURE: NEMA 1 BUS TYPE: COPPER MOUNTING: SURFACE PANEL LUGS: MCB NUMBER OF SECTIONS: 2					NEUTRAL BUS: YES GROUND BUS: YES ISOLATED GROUND BUS: NO 200% NEUTRAL: NO FEED THROUGH LUGS: YES POLES PER SECTION: 42									
CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES / ...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.									
1	RCPT - OFFICES	1,080	20 1				1 20	720	RCPT - DINING EXPANSION 1-1300	2									
3	*RCPT - MONITORS - SERVERY	360	20 1				1 20	1,800	*RCPT - POS - SERVERY EXPANSION B...	4									
5	*RCPT - PRT - SERVERY EXPANSION B...	180	20 1				1 20	1,800	*RCPT - POS - SERVERY EXPANSION B...	6									
7	*RCPT - PRT - SERVERY EXPANSION B...	180	20 1				1 20	540	*RCPT - SERVRY EXPANSION B 1-11	8									
9	JB - HEATED CABINET - SERVERY...	1,705	20 2				1 20	1,920	*RCPT - KITCHEN 1-1306	10									
11	--	--	--				1 20	1,920	*RCPT - HEATED CABINET - KITCHEN...	12									
13	RCPT - SKILLET - KITCHEN EXPANSION...	180	20 1				1 20	156	STEAMER - KITCHEN EXPANSION 1-1306	14									
15	SHUNT TRIP	--	--	1			--	--	SHUNT TRIP	16									
17	RCPT - OVEN - KITCHEN EXPANSION...	1,176	20 1				1 20	1,176	RCPT - OVEN - KITCHEN EXPANSION...	18									
19	SHUNT TRIP	--	--	1			--	--	SHUNT TRIP	20									
21	RCPT - OVEN - KITCHEN EXPANSION...	1,440	20 1				1 20	1,440	RCPT - OVEN - KITCHEN EXPANSION...	22									
23	SHUNT TRIP	--	--	1			--	--	SHUNT TRIP	24									
25	HOOD LIGHTS	1,800	20 1				3 20	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				1 20	180	RCPT - MICRO MARKET 1-1302	32									
33	*ICE MAKER - KITCHEN EXPANSION...	1,380	20 1				1 20	--	SPARE	34									
35	SPARE	--	20 1				1 20	--	SPARE	36									
37	SPARE	--	20 1				1 20	--	SPARE	38									
39	SPARE	--	20 1				1 20	--	SPARE	40									
41	SPARE	--	20 1				1 20	--	SPARE	42									
43	SPARE	--	20 1				1 20	--	SPARE	44									
45	SPARE	--	20 1				1 20	--	SPARE	46									
47	SPARE	--	20 1				1 20	--	SPARE	48									
49	SPARE	--	20 1				1 20	--	SPARE	50									
51	SPARE	--	20 1				1 20	--	SPARE	52									
53	SPARE	--	20 1				1 20	--	SPARE	54									
55	SPARE	--	20 1				1 20	--	SPARE	56									
57	SPARE	--	20 1				1 20	--	SPARE	58									
59	SPARE	--	20 1				1 20	--	SPARE	60									
61	SPARE	--	20 1				1 20	--	SPARE	62									
63	SPARE	--	20 1				1 20	--	SPARE	64									
65	SPARE	--	20 1				1 20	--	SPARE	66									
67	SPARE	--	20 1				1 20	--	SPARE	68									
69	SPARE	--	20 1				1 20	--	SPARE	70									
71	SPARE	--	20 1				1 20	--	SPARE	72									
73	SPARE	--	20 1				1 20	--	SPARE	74									
75	SPARE	--	20 1				1 20	--	SPARE	76									
77	SPARE	--	20 1				1 20	--	SPARE	78									
79	LOAD CENTER #41 - SERVERY...	13,776	125 3				1 20	--	SPARE	80									
81	--	--	--				1 20	--	SPARE	82									
83	--	--	--				1 20	--	SPARE	84									
87 A / 112 A / 111 A																			
LOAD CLASSIFICATION		CONNECTED LOAD (VA)		ESTIMATED DEMAND (VA)		PANEL TOTALS													
KTCH		9,187		5,972															
MISC		16,971		16,971															
RCPT		8,280		8,280															



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Suite 500
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INPATIENT BED EXPANSION

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

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

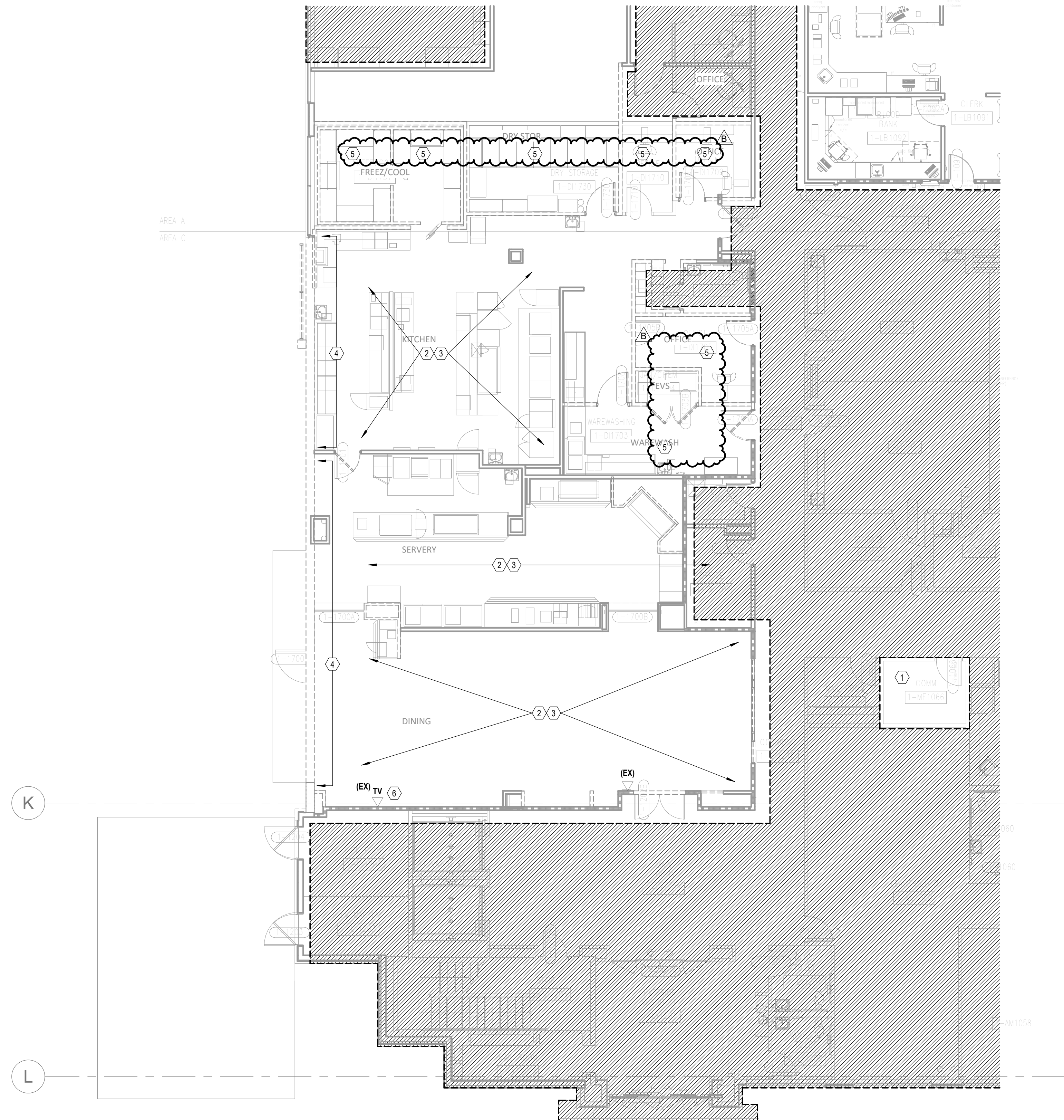
TD02-01

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 ORIGINATION. 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 ORIGINATION.
- 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 ORIGINATION. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY JHOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- EXISTING WALL MOUNTED AND CEILING DEVICES AND ASSOCIATED CABLING, CONDUIT AND BACKBOXES WITHIN WALL/AREA SHALL BE DEMOLISHED TO POINT OF ORIGINATION. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY JHOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- 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.



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