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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/06/05
B	DESIGN COORDINATION	2025/06/05

DATE: 2025/04/18
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

GENERAL INFORMATION - PLUMBING

P00-00

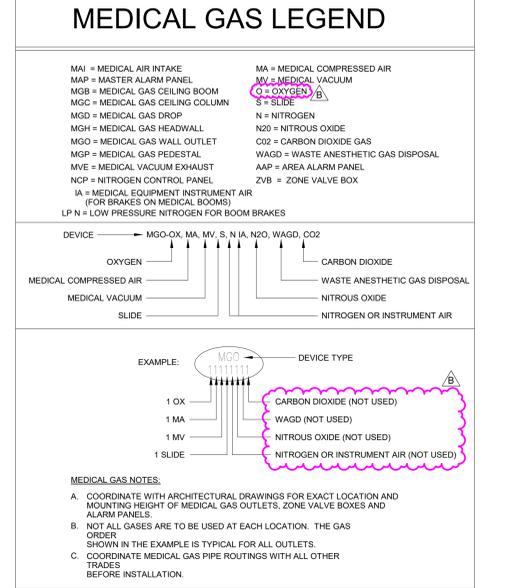
PLUMBING SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—○—	DOMESTIC COLD WATER (CW)	—○—	PRESSURE GAUGE WITH GAUGE COCK
—●—	DOMESTIC HOT WATER (HW)	—○—	THERMOMETER WITH GAUGE COCK
—○—	DOMESTIC HOT WATER RETURN (HWR)	—○—	HOSE BIBB (HB)
—NPW—	NON-POTABLE WATER	—○—	FLOOR CLEANOUT OR GRADE CLEANOUT (FCO, GCO)
—TP—	TRAP PRIMER LINE (1/2")	—○—	WALL CLEANOUT (WCO)
—TW—	TEMPERED WATER	—○—	CLEANOUT PLUG
—○—	COLD OR HOT REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPZ)	—○—	DIRECTION OF SLOPE - GRAVITY PIPING
—○—	EXISTING PIPING TO REMAIN	—○—	DIRECTION OF FLOW - PRESSURE PIPING
—○—	EXISTING PIPING TO BE REMOVED	—○—	PIPING CAPPED OFF
—SS—	SANITARY SEWER/WASTE PIPING	—○—	BALANCING VALVE
—○—	SANITARY VENT PIPING	—○—	STRAINER
—IW—	INDIRECT WASTE	—○—	SHOCK ARRESTOR (S-A, S-A-B, S-A-C, S-A-D)
—○—	CONNECT NEW TO EXISTING	—○—	HUB DRAIN (HD)
—SD—	STORM DRAIN PIPING	—○—	FLOOR DRAIN (FD)
—OD—	OVERFLOW STORM DRAIN PIPING	—○—	LEGEND NOTE
—CA—	COMPRESSED AIR PIPING	—○—	FOS - FUEL OIL SUPPLY PIPING
—GW—	GREASY WASTE	—○—	FOR - FUEL OIL RETURN PIPING
—SSD—	SUBSOIL/PERIMETER DRAIN PIPING	—○—	DFS - DRY FIRE STANDPIPE PIPING
—○—	BUTTERFLY VALVE	—○—	SP - SPRINKLER PIPING
—○—	BALL VALVE	—○—	DSP - DRY SPRINKLER PIPING
—○—	GLOBE VALVE	—○—	F - FIRE PROTECTION PIPING
—○—	TEMPERATURE AND PRESSURE RELIEF VALVE	—○—	CONNECT TO EXISTING
—○—	GAS COCK / PLUG VALVE	—○—	DEMOLISH TO
—○—	AQUASTAT		
—○—	CHECK VALVE		
—○—	GATE VALVE		

MEDICAL GAS SYMBOLS

SYMBOL	DESCRIPTION
—OX—	MEDICAL OXYGEN PIPING
—MA—	MEDICAL AIR PIPING
—MV—	MEDICAL VACUUM PIPING
—WAGD—	WASTE ANESTHETIC GAS DISPOSAL PIPING
—N—	MEDICAL NITROGEN PIPING
—N2O—	MEDICAL NITROUS OXIDE PIPING
—CO2—	CARBON DIOXIDE PIPING
—IA—	INSTRUMENT AIR
—○—	MEDICAL GAS PIPING DROPS IN WALL (FULL SIZE) TO WALL OUTLETS OR HEADWALL
—○—	MASTER ALARM PANEL
—○—	AREA ALARM PANEL
—○—	ZONE VALVE BOX
—○—	NITROGEN CONTROL PANEL
—○—	PRESSURE/VACUUM SENSOR
—○—	MAIN LINE PRESSURE/VACUUM GAUGE
—○—	MEDICAL GAS AUXILIARY OUTLETS



PLUMBING NOTES

GENERAL NOTES

A. ALL PLUMBING WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, THE LEE'S SUMMIT, MISSOURI, PLUMBING AND BUILDING CODES & ORDINANCES, NFPA 13 & 14, THE AMERICAN DISABILITIES ACT AND THE LIFE SAFETY CODE. IT IS A REQUIREMENT OF THIS CONTRACT THAT THE CONTRACTOR BE EXPERIENCED IN THIS TYPE OF WORK AND BE THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THE APPLICABLE CODES, WHETHER SPECIFICALLY REFERRED TO IN THE DOCUMENTS OR NOT.

B. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL NECESSARY FEES FOR THE PLUMBING WORK.

C. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO PROVIDE COMPLETE AND WORKING PLUMBING SYSTEMS, AS DESCRIBED IN THE CONTRACT DOCUMENTS AND FULLY COORDINATED WITH ALL OTHER TRADES.

D. REFER TO THE SPECIFICATIONS, THE DRAWINGS AND MANUFACTURER'S CUT SHEETS FOR COMPLETE INFORMATION ON MATERIALS AND METHODS REQUIRED TO INSTALL THE PLUMBING SYSTEMS.

E. ALL PLUMBING WORK DONE UNDER THIS CONTRACT SHALL BE ACCOMPLISHED IN A SKILLED WORKMANLIKE AND PROFESSIONAL MANNER.

F. ALL PLUMBING AND FIRE PROTECTION PIPING SHALL BE INDEPENDENTLY SUPPORTED, AND EACH SUPPORT SHALL BE INDEPENDENT OF PARTITION AND CEILING SYSTEM SUPPORTS. WHERE INDEPENDENT SUPPORT IS NOT POSSIBLE AN ENGINEERED SUPPORT SYSTEM SHALL BE UTILIZED. HOLD ALL PIPING IN CEILING SPACES HIGH TO STRUCTURE AS POSSIBLE.

G. ALL WORK SHALL BE SCHEDULED AND PERFORMED IN COORDINATION WITH ARCHITECTURAL PLANS, PROJECT SCHEDULES AND HOSPITAL OPERATIONS & REQUIREMENTS. COORDINATE ALL REQUIRED SHUT DOWN OF SYSTEMS OR OUT OF PHASE WORK WITH THE OWNER'S REPRESENTATIVE & HOSPITAL PERSONNEL.

H. THE CONTRACTOR SHALL PROTECT THE PLUMBING EQUIPMENT AND FIXTURES FROM DAMAGE DURING HANDLING AND INSTALLATION UNTIL THE PROJECT IS COMPLETED. ANY EQUIPMENT OR FIXTURE THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED, AT THE ARCHITECT AND ENGINEER'S DISCRETION, AND AT THE CONTRACTOR'S EXPENSE.

I. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL AND DEBRIS AND CLEAN ALL EQUIPMENT AND FIXTURES UPON COMPLETION OF THE PROJECT.

J. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO VERIFY THE EXACT SIZE AND LOCATION OF ALL EXISTING PIPING RELATED TO HIS WORK.

K. THE CONTRACTOR SHALL COORDINATE THE PLUMBING WORK WITH ALL OTHER TRADES. WORK SHOWN ON THE DRAWINGS IS INTENDED TO PROVIDE THE OVERALL ENGINEERING DESIGN CONCEPT AND MAY REQUIRE RELOCATIONS, FIELD ADJUSTMENTS OR OFFSETS TO COORDINATE WITH OTHER TRADES AND THE BUILDING STRUCTURE. COSTS FOR ALL SUCH MINOR FIELD ADJUSTMENTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.

L. IT IS THE REQUIREMENT OF THESE DOCUMENTS TO ALLOW ALL CEILINGS TO BE CONSTRUCTED AT HEIGHTS AS SHOWN ON THE ARCHITECTURAL DRAWINGS. COORDINATE THE LOCATION OF PIPING AND PROVIDE OFFSETS IN PIPING AS REQUIRED TO MEET THIS REQUIREMENT.

M. THE CONTRACTOR SHALL PROVIDE DETAILED AND DIMENSIONED PIPING FABRICATION DRAWINGS FOR APPROVAL BY THE ARCHITECT/ENGINEER. ONE BLUE-LINE SET OF THE APPROVED DRAWINGS SHALL BE KEPT ON-SITE AT ALL TIMES AND ANY CHANGES REQUIRED IN THE FIELD SHALL BE MARKED ON THESE DRAWINGS. AT THE END OF THE PROJECT, ALL CHANGES SHALL BE TRANSFERRED TO A REPRODUCIBLE DRAWING TO BE GIVEN TO THE OWNER FOR "AS-BUILT" DRAWINGS. REPRODUCTIONS OF THIS DRAWING WILL NOT BE CONSIDERED AS PIPING FABRICATION DRAWINGS.

N. ALL PLUMBING EQUIPMENT OR VALVES REQUIRING ACCESS THAT ARE LOCATED ABOVE GYP BOARD OR OTHERWISE INACCESSIBLE CEILINGS SHALL BE PROVIDED WITH A CEILING ACCESS PANEL SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THESE ACCESS PANELS WITH THE GENERAL CONTRACTOR.

O. LOCATE ISOLATION VALVES FOR EQUIPMENT AND FIXTURES AS CLOSE TO THE MAIN AS POSSIBLE. PROVIDE CEILING OR WALL ACCESS PANELS AS NEEDED.

GENERAL NOTES, CONT.

P. COORDINATE ALL WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS.

Q. ALL CONNECTIONS BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS.

R. ALL PLUMBING PIPING SHALL BE IDENTIFIED AS DESCRIBED IN THE SPECIFICATIONS.

S. ALL PLUMBING VALVES SHALL BE TAGGED AND NOTED ON THE "AS-BUILT" DRAWINGS.

T. SLOPE AND ARRANGE WATER PIPING SYSTEMS TO ESTABLISH HIGH POINTS FOR AIR ELIMINATION AND LOW POINTS TO PERMIT PROPER DRAINING OF EACH SECTION.

U. COORDINATE ALL PIPING PENETRATIONS THROUGH THE ROOF AND FLOOR WITH THE BUILDING'S STRUCTURE. REFER TO THE PLUMBING PENETRATION DETAILS, THE ARCHITECTURAL DRAWINGS AND THE PLUMBING SPECIFICATIONS FOR SLEEVING AND SUPPORT INFORMATION.

V. PROVIDE CLEANOUTS AT THE BASE OF ALL STORM AND SANITARY STACKS AND IN INDIVIDUAL WASTE & VENT STACKS AS SHOWN ON THE RISERS.

W. LOCATE VENTS THROUGH THE ROOF AT LEAST 2' AWAY FROM ALL FRESH AIR INTAKES OR BUILDING OPENINGS.

X. LOCATE ALL WALL CLEANOUTS 18" ABOVE THE FINISHED FLOOR.

Y. PROVIDE BACKFLOW PREVENTION DEVICES APPROVED BY THE AHJ FOR ALL ITEMS OF EQUIPMENT THAT ARE REQUIRED BY THE AHJ TO HAVE CROSS CONTAMINATION PROTECTION, WHETHER SHOWN ON THE DRAWINGS OR NOT.

Z. PROVIDE A PRV AT THE DOMESTIC WATER SERVICE ENTRANCE TO LIMIT WATER SYSTEM PRESSURE TO THE BUILDING TO 80 PSI.

AA. RUN ALL PIPING IN WALLS, CHASES AND ABOVE THE CEILING. PROVIDE CHROME PLATED PIPING WHERE EVER PIPING HAS TO BE EXPOSED.

BB. PROVIDE DRIP PANS UNDER PLUMBING LINES WERE REQUIRED BY CODE AND/OR THE OWNER.

CC. PROVIDE ACCESS TO ALL VALVES AND TRAP PRIMERS.

PLUMBING ABBREVIATIONS

ABV	ABOVE	GPM	GALLONS PER MINUTE
AFF	ABOVE FINISHED FLOOR	GW	GREASE WASTE
AFG	ABOVE FINISH GRADE	HB	HOSE BIBB
AP	ACCESS PANEL	HD	HUB DRAIN
AD	AREA DRAIN	HW	HOT WATER
BFF	BELOW FINISH FLOOR	HWR	HOT WATER RETURN
BIG	BELOW GRADE	I.E.	INVERT ELEVATION
BV	BALANCING VALVE	L	LAVATORY
CA	COMPRESSED AIR	MH	MANHOLE
CO	CLEAN OUT	MS	NOIP SINK
CSS	CLINICAL SERVICE SINK	NC	NORMALLY CLOSED VALVE
CW	COLD WATER	NO	NORMALLY OPEN VALVE
DD	DECK DRAIN	NFVH	NON-FREEZE WALL HYDRANT
DF	DRINKING FOUNTAIN	NFYH	NON-FREEZE YARD HYDRANT
DN	DOWN	OS&Y	OUTSIDE STEM AND YOKE
DS	DOWNSPOUT	PD	PLANTER DRAIN
DSN	DOWNSPOUT NOZZLE	PRV	PRESSURE REDUCING VALVE
ESH	EMERGENCY SHOWER	TMV	THERMOSTATIC MIXING VALVE
EW	EYE WASH	T&P	TEMPERATURE AND PRESSURE VALVE
EWC	ELECTRIC WATER COOLER	TP	TRAP PRIMER
FCVA	FLOOR CONTROL VALVE ASSEMBLY	V	VENT PIPING
FO	FLOOR CLEANOUT	VB	VACUUM BREAKER
FD	FLOOR DRAIN	VTR	VENT THROUGH ROOF
FS	FLOOR SINK	WB	WALL BOX
GZ	GENERAL CONTRACTOR		
GCO	GRADE CLEANOUT		

DEMOLITION NOTES

A. ALL SECTIONS OF PLUMBING PIPING THAT ARE SHOWN TO BE DEMO'D SHALL BE REMOVED BACK TO MAINS, OR NEAREST ACTIVE LINES, AND CAPPED OR PLUGGED SO THAT NO DEAD ENDS ARE CREATED.

B. ALL DEMOLITION WORK SHALL BE SCHEDULED AND PERFORMED IN STRICT COORDINATION WITH ARCHITECTURAL PHASING PLANS, HOSPITAL SCHEDULES, AREA OCCUPANCIES AND OTHER TRADES.

C. ALL DEMOLISHED ITEMS THAT ARE NOT RETAINED BY THE OWNER AND ARE NOT CALLED OUT TO BE REINSTALLED BY THE CONTRACT DOCUMENTS SHALL BE DISPOSED OF LEGALLY.

D. ANY EXISTING PLUMBING RISERS EXPOSED BY THE REMOVAL OF EXISTING WALLS OR CHASES SHALL BE RELOCATED TO A NEARBY LOCATION AS NOTED ON THE DRAWINGS OR AS APPROVED BY THE ARCHITECT.

E. THE CONTRACTOR SHALL REPLACE ALL DAMAGED CEILING TILES AND REPAIR ALL DAMAGED WALL FINISHES DURING DEMOLITION WORK.

F. PROVIDE ADDITIONAL VALVES, FITTINGS AND/OR PIPING AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE AND INSIDE OF THE AREA WHERE WORK IS BEING PERFORMED.

G. INFORMATION PROVIDED ON THESE DRAWINGS HAS BEEN TAKEN FROM DESIGN DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PRICING AND COMMENCEMENT OF WORK.

H. ALL EXISTING PIPING THAT IS CAPPED OFF OR PLUGGED DURING DEMOLITION SHALL BE CHECKED FOR LEAKS.

I. PROVIDE AND INSTALL ALL NECESSARY PIPING AND ACCESSORIES REQUIRED TO MAINTAIN SERVICE TO ALL 'EXISTING TO REMAIN' FIXTURES AND EQUIPMENT THAT MAY BE INTERRUPTED DURING DEMOLITION.

J. WHERE EXISTING MECHANICAL EQUIPMENT IS DEMOLISHED, REMOVE ALL RELATED PLUMBING TO THE EQUIPMENT AND THEIR ASSOCIATED PIPING BACK TO THE POINT OF ORIGIN.

K. ANY FLOOR DRAIN OR FLOOR SINK INDICATED TO BE REMOVED SHALL BE REMOVED COMPLETELY.

L. EXISTING FIXTURES AND EQUIPMENT NOT INDICATED TO BE REMOVED SHALL REMAIN IN USE.

PROJECT DESIGN CRITERIA

LOCATION: LEE'S SUMMIT, MO

CITY/STATE:

APPLICABLE CODES:
 BUILDING: 2018 IBC w/LOCAL AMENDMENTS
 MECHANICAL: 2018 UPC w/LOCAL AMENDMENTS
 PLUMBING: 2018 IFI w/LOCAL AMENDMENTS
 FIRE: 2018 IFC w/LOCAL AMENDMENTS
 ELECTRICAL: 2017 NEC w/LOCAL AMENDMENTS

PLUMBING PIPING MATERIAL SCHEDULE

DOMESTIC WATER
 ABOVE GROUND PIPING NPS 2 AND SMALLER
 1. HARD COPPER TUBE, ASTM B 88, TYPE L WATER TUBE, DRAWN TEMPER
 2. HARD COPPER TUBE, ASTM B 88, TYPE L COPPER PRESSURE-SEAL FITTINGS, AND PRESSURE-SEAL JOINTS

UNDER-BUILDING-SLAB, DOMESTIC WATER PIPING, NPS 2 AND SMALLER
 1. SOFT COPPER TUBE, ASTM B 88, TYPE K, NO JOINTS BELOW GRADE.

SANITARY WASTE AND VENT
 ABOVE GROUND SOIL AND WASTE PIPING
 1. SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS, GASKETS, AND GASKETED JOINTS.
 2. HUBLESS CAST-IRON SOIL PIPE AND FITTINGS; HEAVY-DUTY SHIELDED, STAINLESS-STEEL COUPLINGS; AND HUBLESS-COUPLING JOINTS.
 3. COPPER DWV TUBE, COPPER DRAINAGE FITTINGS, AND SOLDERED JOINTS.

ABOVE GROUND VENT PIPING
 1. SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS, GASKETS, AND GASKETED JOINTS.
 2. HUBLESS CAST-IRON SOIL PIPE AND FITTINGS; HEAVY-DUTY SHIELDED, STAINLESS-STEEL COUPLINGS; AND HUBLESS-COUPLING JOINTS.
 3. COPPER DWV TUBE, COPPER DRAINAGE FITTINGS, AND SOLDERED JOINTS.

UNDERGROUND SOIL AND WASTE PIPING
 1. SERVICE CLASS, CAST-IRON SOIL PIPING, GASKETS, AND GASKETED JOINTS.
 2. SOLID WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED JOINTS.

UNDERGROUND VENT PIPING
 1. SERVICE CLASS, EPOXY COATED CAST-IRON SOIL PIPING, GASKETS, AND GASKETED JOINTS.

STORM PIPING
 ABOVE GROUND STORM DRAINAGE PIPING
 1. SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS, GASKETS, AND GASKETED JOINTS.
 2. HUBLESS CAST-IRON SOIL PIPE AND FITTINGS; HEAVY-DUTY SHIELDED, STAINLESS-STEEL COUPLINGS; AND COUPLED JOINTS.

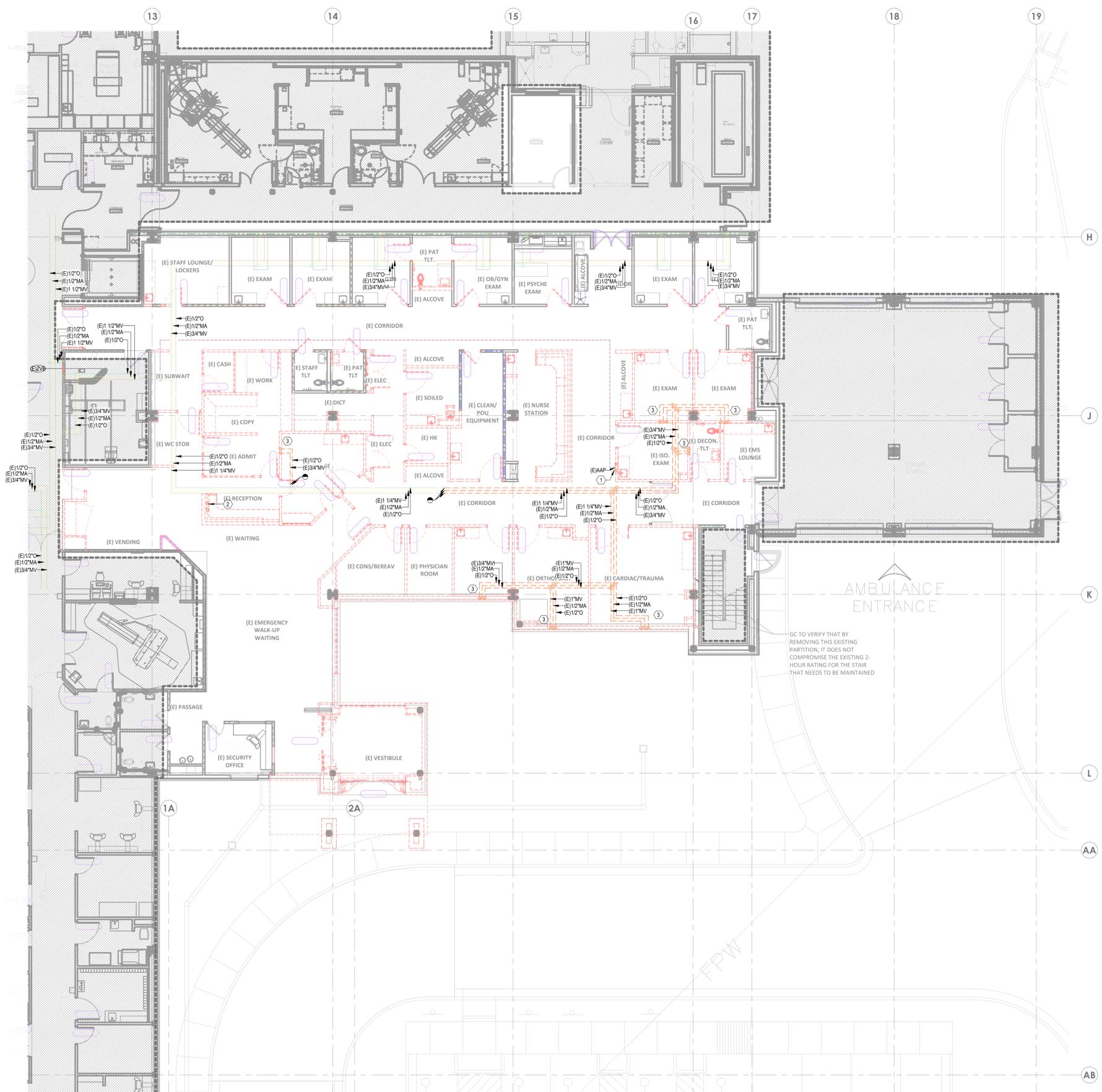
UNDERGROUND STORM DRAINAGE PIPING
 1. EXTRA-HEAVY CLASS, CAST-IRON SOIL PIPE AND FITTINGS, GASKETS, AND GASKETED JOINTS.
 2. SOLID-WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED JOINTS.

CHEMICAL WASTE PIPING
 ABOVE GROUND CHEMICAL-WASTE PIPING
 1. PP DRAINAGE PIPING AND ELECTROFUSION OR MECHANICAL JOINTS.
 2. PVDF DRAINAGE PIPING AND ELECTROFUSION OR MECHANICAL JOINTS.
 3. CPVC DRAINAGE PIPE AND FITTINGS AND SOLVENT CEMENT JOINTS

UNDER SLAB-ON-GRADE, INDOOR, CHEMICAL-WASTE PIPING
 1. PP DRAINAGE PIPING AND ELECTROFUSION JOINTS.
 2. PVDF DRAINAGE PIPING AND ELECTROFUSION JOINTS.
 3. CPVC DRAINAGE PIPE AND FITTINGS AND SOLVENT CEMENT JOINTS.

MEDICAL GAS PIPING
 MEDICAL VACUUM, MEDICAL AIR AND OXYGEN
 1. TYPE L COPPER MEDICAL GAS TUBE, WROUGHT-COPPER FITTINGS, AND BRAZED JOINTS OR AXIALLY SWAGED COUPLINGS.

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GENERAL NOTES

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

LEGEND NOTES

1. EXISTING AREA ALARM PANEL TO BE DEMOLISHED.
2. EXISTING MASTER ALARM CONTROL PANEL TO BE RELOCATED.
3. EXISTING MEDICAL OUTLETS TO BE DEMOLISHED.

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AUTHORITY HAVING JURISDICTION:
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FACILITY NUMBER:
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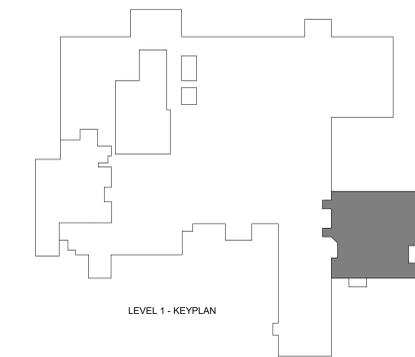
AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

DEMOLITION PLAN - LEVEL
 01 - MEDICAL GAS

PD03-01



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

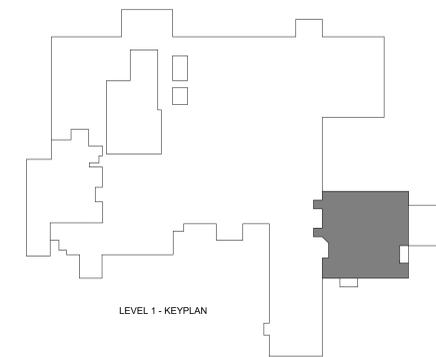
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.
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GENERAL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

- A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.
- B. ORANGE DASHED PIPING REPRESENTS PIPING TO BE DEMOLISHED.



1 UNDERFLOOR PLAN - LEVEL 00 - PLUMBING
1/8" = 1'-0"



LEVEL 1 - KEYPLAN



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UNDERFLOOR PLAN - LEVEL 00 - PLUMBING

P02-00

6/20/2025 4:12:38 PM Autodesk Docs://Eg02-24-HCA- Lee's Summit Medical Center (LSMC)_LV23/MEP_LSMC ED Expansion_R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



GENERAL NOTES

- A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.
- B. ORANGE DASHED PIPING REPRESENTS PIPING TO BE DEMOLISHED

LEGEND NOTES

1. DECONTAMINATION TANK ALARM PANEL.
2. FIRE VALVE CABINET.
3. EXISTING PLUMBING FIXTURE TO REMAIN.
4. RELOCATED BOILER CONTROL PANEL.
5. INSTALL DRIP PAN BEHIND EXISTING PIPING LOCATED OVER NEW ELECTRICAL ROOM. INSTALL SENSOR IN DRIP PAN TO DETECT MOISTURE AND ALARM TO BUILDING MANAGEMENT SYSTEM.
6. CONNECT NEW 1/4\"/>

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Professional Engineer Seal:
 JONATHAN DICKERT
 NUMBER PE-201093909
 EXPIRES 08/06/2025
 WSP USA Buildings Inc. 2013001881

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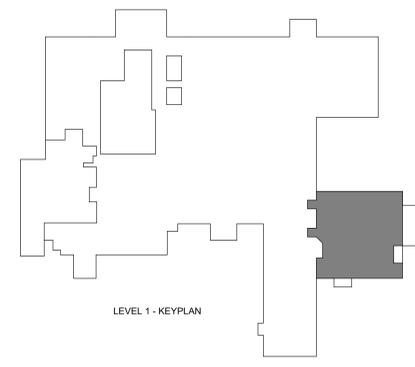
AUTHORITY HAVING JURISDICTION:
 CITY OF LEE'S SUMMIT BUILDING DEPT.
 MISSOURI DHS

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REV #	REVISIONS	DATE
B	DESIGN COORDINATION	2025/06/05
C	STATE - 2ND REVIEW COMMENTS	2025/07/30
E	DESIGN COORDINATION	2025/07/30

DATE: 2025/04/18
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707



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

P02-01

Autodesk Docx/Eplo2-24-HCA - Lee's Summit Medical Center (LSMC), rvt02/MP, LSMC ED Expansion, 023.rvt 7/28/2025 3:52:26 PM



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 6900 East Camelback Road
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 T: 602.943.8950
 www.devenneygroup.com



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REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/06/05

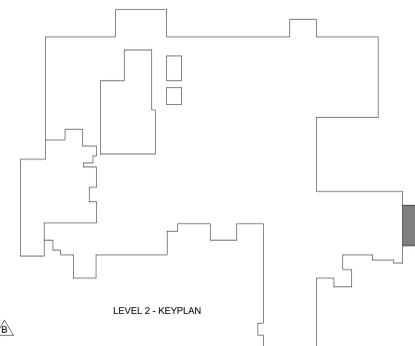
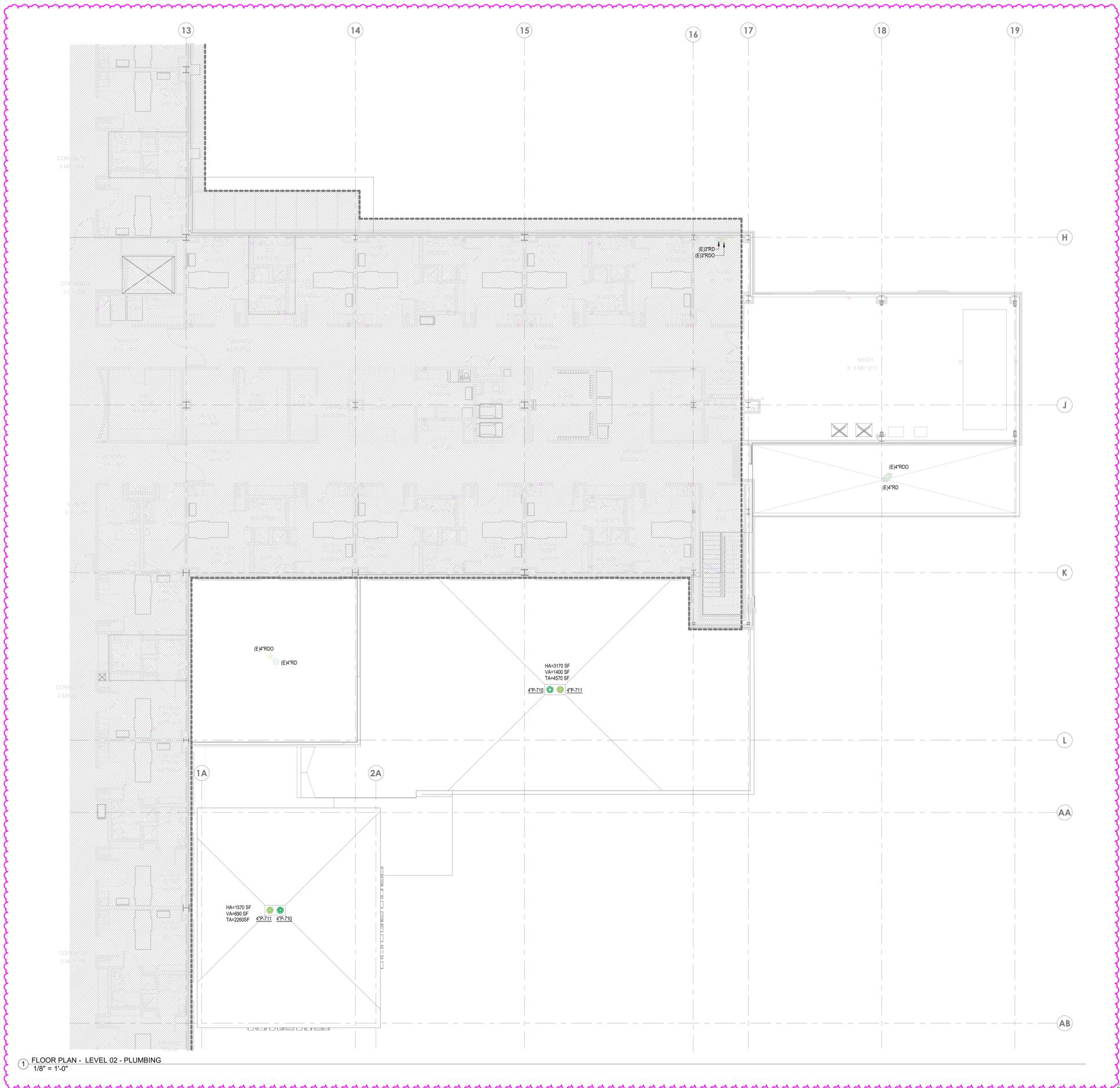
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 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 02 - PLUMBING

P02-02

GENERAL NOTES

- A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.
- B. ORANGE DASHED PIPING REPRESENTS PIPING TO BE DEMOLISHED.

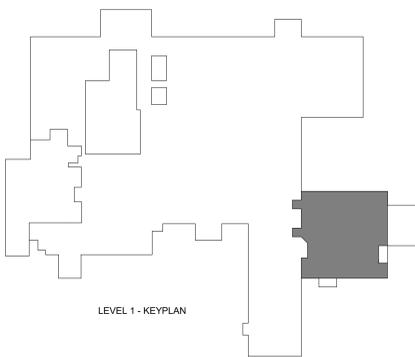


1 FLOOR PLAN - LEVEL 02 - PLUMBING
 1/8" = 1'-0"

6/20/2025 4:17:54 PM Autodesk Docs://640624-HCA-LEE'S Summit Medical Center (LSMC)_LV23/MEP_LSME-ED Expansion_R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



1 FLOOR PLAN - LEVEL 01 - MEDICAL GAS
1/8" = 1'-0"



LEVEL 1 - KEYPLAN

GENERAL NOTES

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

LEGEND NOTES

1. AREA ALARM PANEL.
2. RELOCATED MASTER ALARM CONTROL PANEL.

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Consultant:
WSP
300 WYANDOTTE, SUITE 200
KANSAS CITY, MO 64105

STATE OF MISSOURI
JONATHAN DWICKERT
REGISTERED PROFESSIONAL ENGINEER
NUMBER PE-202103930
EXPIRES 04/18/2025
WSP USA Buildings Inc. 2013001881

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FLOOR PLAN - LEVEL 01 -
MEDICAL GAS

P03-01

4/22/2025 1:35:00 PM Autodesk Docs://p03-01 - HCA - Lee's Summit Medical Center (LSMC)_rv23/MEP_LSMC ED Expansion.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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ED EXPANSION

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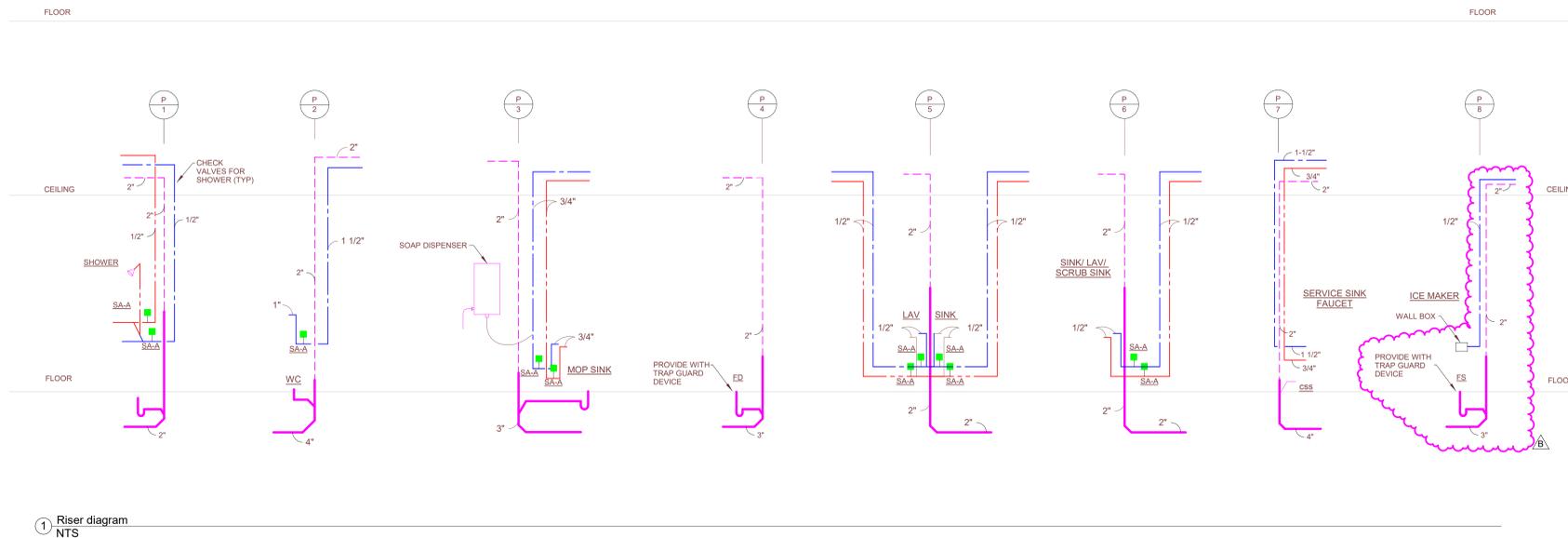
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REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/06/05

DATE: 2025/04/18
 SCALE: NTS
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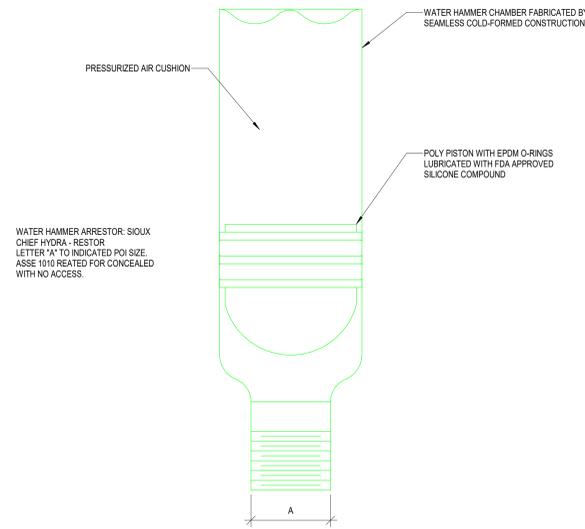
RISER DIAGRAM - PLUMBING

P06-01

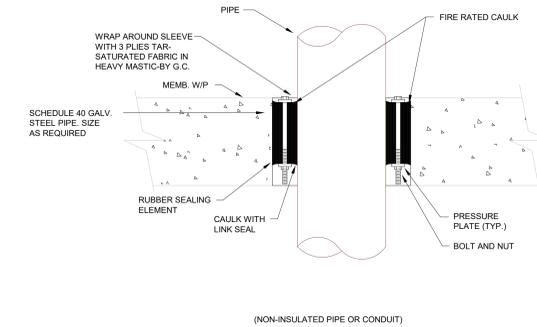


1 Riser diagram
 NTS

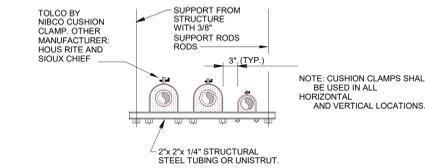
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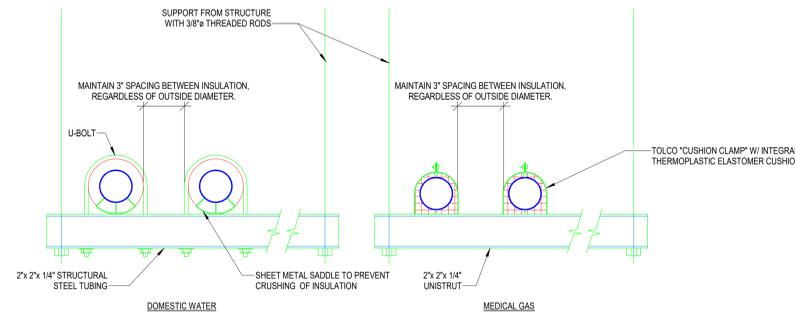
9 WATER HAMMER ARRESTOR (PISTON TYPE) DETAIL
NTS



6 PIPE SLEEVE THRU EXISTING FLOOR
NTS

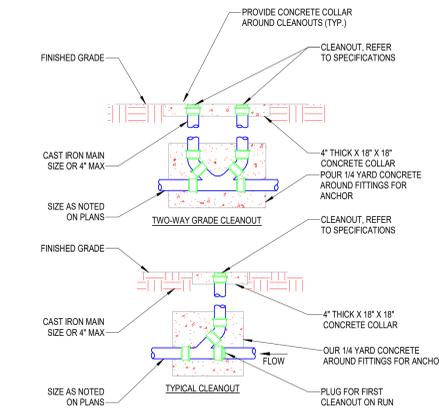


3 MEDICAL GAS PIPING DETAIL
NTS

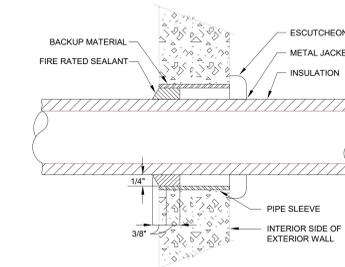


GENERAL NOTES:
A. REFER TO SPECIFICATIONS FOR METHODS & MATERIALS.
B. REFER TO SPECIFICATION SECTION 018703 FOR SEISMIC REQUIREMENTS.

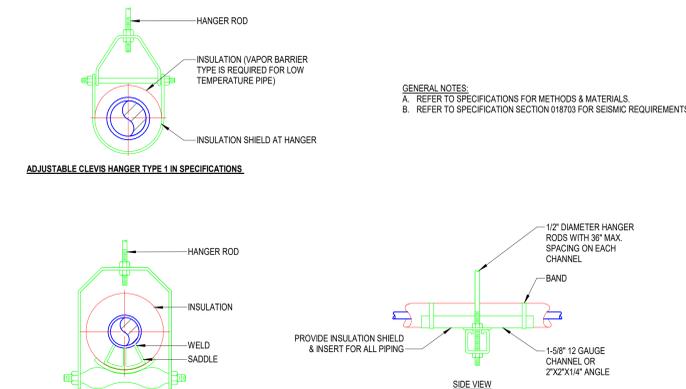
8 TRAPEZE PIPE HANGER DETAILS
NTS



5 CLEANOUT DETAILS
NTS



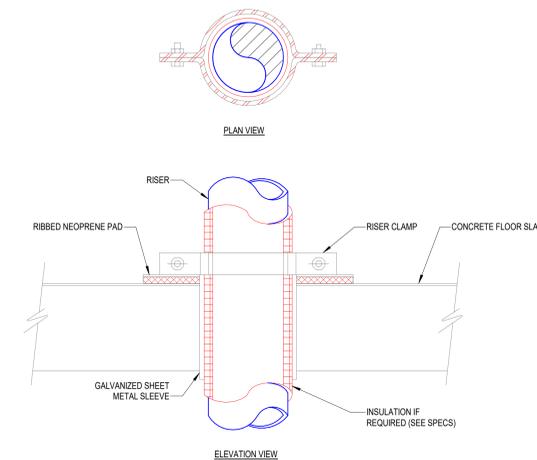
2 INSULATED PIPE THRU WALL - ABOVE GRADE
NTS



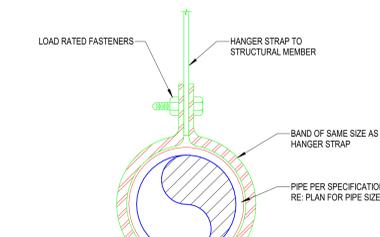
GENERAL NOTES:
A. REFER TO SPECIFICATIONS FOR METHODS & MATERIALS.
B. REFER TO SPECIFICATION SECTION 018703 FOR SEISMIC REQUIREMENTS.

TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

7 PIPE SUPPORT DETAILS
NTS



4 TYPICAL FLOOR PENETRATION DETAIL
NTS



1 PIPE HANGER/SUPPORT DETAIL
NTS

ED EXPANSION

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JOB NUMBER: US0040241.3707

DETAILS - PLUMBING

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PLUMBING FIXTURE

HCA DESIG.	FIXTURE TYPE	SAN/SEWER	VENT	COLD WATER	HOT WATER	DESCRIPTION
P-104	WATER CLOSET ADA COMPLIANT PATIENT	4"	2"	1"	-	WATER CLOSET: ZURN MODEL No. Z5666-BWL-BA-AM (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, 10" ROUGHING-IN, 1.6 GALLONS PER FLUSH, ELONGATED BOWL WITH BED PAN LUGS, DIRECT FED SIPHON, JET ACTION, FULLY GLAZED TRAPWAY, 1 1/2" TOP SPUD. FLUSH VALVE: ZURN MODEL No. Z6011A-AV-BN-W51 BEDPAN WASHER, 1.6 GPM EXPOSED, QUIET DAMPHRAGM-TYPE, CHROME PLATED, FLUSHMETER VALVE WITH A POLISHED EXTERIOR, CHLORAMINE RESISTANT, DUAL SEAL DAMPHRAGM WITH CLOCK 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. PFTSCOF2000WH WHITE OPEN SEAT FRONT LESS COVER, WITH SELF SUSTAINING CHECK HINGE.
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. Z8124A-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. PFD0101 1-1/4" X 8" CP OFFSET GRID DRAIN AND TAILPIECE. P-TRAP: PROFLO MODEL No. PFTB400 1-1/4" CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND, No. PF203WH TRAP WRAP KIT. STOPS AND RISERS: TWO PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS. CARRIER: ZURN MODEL Z1231 FLOOR MOUNTED CARRIER.
P-309	LAVATORY - WALL HUNG LIGATURE RESISTANT ADA COMPLIANT	2"	2"	1/2"	1/2"	LAVATORY: BRADLEY MODEL No. HSL-1-BR-3-TMA-TC-AL-BRKT-S-CROME-SAND SOLID SURFACE SINGLE STATION LAVATORY FAUCET: INTEGRAL BATTERY POWERED INFRARED SPRAYHEAD, WITH 0.5 GPM FLOW MIXING VALVE: THERMOSTATIC MIXING VALVE STRAINER AND TAILPIECE: INTEGRAL STRAINER AND TAILPIECE. P-TRAP: CHROME PLATED CAST BRASS BODY P-TRAP, WITH STAINLESS STEEL TRAP COVER. STOPS AND RISERS: TWO PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS.
P-402	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-FC1.5 8" FIXED CENTERS RIGID OR SWING GOOSENECK SPOUT, WITH 1.5 GPM FLOW CONTROL, IN BASE OF SPOUT AND WITH 4" WRISTBLADE HANDLES. STRAINMENTALPIECE: PROFLO MODEL No. PFD0101 1-1/4" X 8" CP OFFSET GRID DRAIN AND TAILPIECE. P-TRAP: PROFLO MODEL No. PFTB403 1-1/2 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND. STOPS AND RISERS: TWO PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS.
P-404	SINK SINGLE COMPARTMENT ADA COMPLIANT	2"	2"	1/2"	1/2"	SINK: ELKAY MODEL LRAD1919-SS-3 TYPE 304 NICKEL BEARING STAINLESS STEEL, SELF RIMMING, 19-1/2" X 19" X 5-1/2" DEPTH ADA COMPLIANT WITH OFF-CENTERED OUTLET TO THE REAR, BOWL SIZE 16"X 13-1/2", 3-1/2" DRAIN AND "SOUND GUARD" UNDERCOATING. FAUCET: ZURN MODEL No. Z7870C-XL-C, 8" FIXED CENTERS SINGLE HANDLE KITCHEN FAUCET, WITH 2.2 GPM FLOW RATE. STRAINMENTALPIECE: PROFLO MODEL No. PFD0101 1-1/4" X 8" CP OFFSET GRID DRAIN AND TAILPIECE. P-TRAP: PROFLO MODEL No. PFTB403 1-1/2 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND. STOPS AND RISERS: TWO PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS.
P-501	CLINICAL SERVICE SINK	4"	2"	1-1/2"	3/4"	CLINICAL SERVICE SINK: ZURN MODEL Z5410 WALL MOUNTED, VITREOUS CHINA CLINIC SERVICE SINK, VITREOUS CHINA, INTEGRAL FLUSHING RM, FLUSHING ACTION AND 1-1/2" TOP SPUD, STAINLESS STEEL RIM GUARD. FLUSH VALVE & FAUCET: ZURN MODEL Z8011A-AV-BN-W51 BEDPAN WASHER, 1.6 GPM EXPOSED, QUIET DAMPHRAGM-TYPE, CHROME PLATED, FLUSHMETER VALVE WITH A POLISHED EXTERIOR, CHLORAMINE RESISTANT, DUAL SEAL DAMPHRAGM WITH CLOCK 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. BEDPAN WASHER: ZURN MODEL Z8500WM-XL-LEV-HK-SE-SH2-V-C WALL MOUNTED BEDPAN WASHER COMBINATION WITH FOOT PEDAL MIXING VALVE, LOOSE-KEY STOPS, ELEVATED VACUUM BREAKER, 66" WHITE VINYL REINFORCED HOSE WITH CHROME PLATED BRASS WALL FLANGE, SUPPLY ELL, SPRAY HANDLE AND WALL HOOK CARRIER: ZURN Z1231 4" HEAVY DUTY CARRIER INSTALL 30" FROM RIM TO FINISHED FLOOR.
P-503	SCRUB SINK SENSOR OPERATED	2"	2"	1/2"	1/2"	SINK: ZURN MODEL Z5468AM VITREOUS CHINA SCRUB SINK, CONCEALED WALL HANGERS AND SUPPORT BRACKETS. FAUCET: ZURN MODEL No. Z8620-XL-ADM2-H4-FC1.5 ADA COMPLIANT, BATTERY POWERED, CHROME PLATED SENSOR FAUCET, FLOW RATE 1.5 GPM FLOW CONTROL, IN BASE OF SPOUT, OCCUPANT DETECTION INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR 30 SECOND TIME OUT FEATURE, SPOUT MODULE CHROME PLATED CAST BRASS, IN-LINE FILTER, ABOVE DECK MIXER WITH WRIST BLADE HANDLE AND 8" COVER PLATE. STRAINMENTALPIECE: ZURN MODEL No. Z5468ADRAIN2C CP STRAINER WITH TAILPIECE. P-TRAP: PROFLO MODEL No. PFTB403 CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND. STOPS AND RISERS: TWO PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS. CARRIER: ZURN Z1231 4" CARRIER WITH BEARING PLATE ASSEMBLY.
P-608	SHOWER (SOLID SURFACE)	2"	2"	1/2"	1/2"	ENCLOSURE: 36" SOLID SURFACE BASE WITH CENTER DRAIN, WALLS, GRAB BAR, SOAP DISH, FOLD UP SEAT FURNISHED BY OTHERS, INPRO E3636CCDB9 36"X36" LOW CURB SHOWER BASE, CENTER DRAIN, BONE. FAUCET: SYMONS No. SY8605-PL-R-K-231 PRESSURE BALANCING SHOWER VALVE, ADA COMPLIANT, OVERCENTER WITH VOLUME CONTROL, INTEGRAL SERVICE STOPS AND LEVER HANDLE, SUPER SHOWER HEAD WITH ARM AND FLANGE, ADA HAND HELD SHOWER, IN-LINE VACUUM BREAKER, 60" HOSE AND 36" SLIDE BAR, INSTALL FAUCET ASSEMBLY OFFSET AS DIRECTED BY THE ADA RULES. DRAIN: PROFLO PF-140NC CP DRAIN.
P-704	FLOOR SINK	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZN-1901-KC, SAN-FLOOR RECEPTOR 12" X 12" X 8" DEEP CAST IRON BODY AND SQUARE, LIGHT-DUTY FULL GRATE WITH 1/2" SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLETE WITH WHITE ABS ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER.
P-710	ROOF DRAIN	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZA-100-DR, 15" DIAMETER ROOF DRAIN, DURA-COATED IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE ALUMINUM DOME.
P-711	OVERFLOW DRAIN	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZA-100-W2-DR, 15" DIAMETER ROOF DRAIN, DURA-COATED IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE ALUMINUM DOME AND 2" INTERNAL WATER DAM.
P-721	FLOOR DRAIN DECOR.	AS NOTED ON PLANS	-	-	-	ZURN MODEL Z-550-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 ZAR8199-IP-SS, ALL PLAIN BRONZE BODY DOWN SPOUT NOZZLE WITH THREADED INLET AND REMOVABLE STAINLESS SCREEN.
P-804	ICE MAKER BOX	-	-	1/2"	-	FAUCET MODEL 59140 28 GAUGE STEEL ICE MAKER BOX WITH 1/4 TURN BALL VALVE AND WATER HAMMER ARRESTOR, LOW LEAD COMPLIANT.
P-816	EMERGENCY EYEWASH	-	-	1/2"	1/2"	EYEWASH: BRADLEY MODEL S194011ABC, WALL MOUNTED HAND HELD EMERGENCY EYEWASH, STAYS OPEN CONTROL VALVE, REINFORCED THERMOPLASTIC 1/2 HOSE, DUAL SPRAY HEADS WITH DUST COVERS, FLOW RATE: 3.9-5.9 GPM. MIXING VALVE: BRADLEY S19-2000 THERMOSTATIC MIXING VALVE, CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT, COLD WATER BY-PASS, DIAL THERMOMETER.
P-817	DECONTAM SHOWER INTERIOR	-	-	1/2"	1/2"	FAUCET: SYMONS No. 125-VT-FSX-72 VISU-TEMP PRESSURE BALANCING SHOWER VALVE, INTEGRAL SERVICE STOPS AND LEVER HANDLE, HAND HELD SHOWER, IN-LINE VACUUM BREAKER, 72" HOSE AND ATTACHMENT HOOKS. MIXING VALVE: BRADLEY S19-2000 THERMOSTATIC MIXING VALVE, CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT, COLD WATER BY-PASS, DIAL THERMOMETER.
P-831	LAVATORY - WALL HUNG FAUCET/EYE WASH COMBINATION ADA COMPLIANT	2"	2"	1/2"	1/2"	LAVATORY: ZURN MODEL No. Z5348 20X18 WALL MOUNT VITREOUS CHINA LAVATORY, VITREOUS CHINA, BARRIER FREE. FAUCET AND MIXING VALVE: SPEAKMAN MODEL No. SEF1800-CA-LF-TW RIGID GOOSENECK SPOUT WITH INDEPENDENTLY OPERATED EYEWASH, WITH 1.5 GPM LAMINAR FLOW CONTROL, WITH 4" WRISTBLADE HANDLES. STRAINER AND TAILPIECE: PROFLO MODEL No. PFD0101 1-1/4" X 8" CP GRID DRAIN AND TAILPIECE. P-TRAP: PROFLO MODEL No. PFTB400 CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND AND No. PF203WH TRAP WRAP KIT. STOPS AND RISERS: PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS. CARRIER: ZURN MODEL Z1231 FLOOR MOUNTED CARRIER.
P-832	JANITOR SINK AND EYEWASH	3"	2"	3/4"	3/4"	MOP SINK: STERN WILLIAMS 826-902, 24" X 24" X 12" SQUARE TERRAZZO MOP SINK WITH STAINLESS STEEL CAP, SS RIM GAURDS AND PROFLO PFWG24S SS WALL GUARDS FOR 24X24 MOP BASIN. FAUCET: SPEAKMAN SEF9000-TW EYEWASH FAUCET AND MIXING VALVE TRAINMENTALPIECE: STERN-WILLIAMS TC3TCWH GASKET DRAIN: STERN WILLIAMS STCON 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.

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ED EXPANSION

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2100 SE BLUE PKWY LEE'S SUMMIT, MO 64063

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

FACILITY NUMBER:
0972400011

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/06/05
E	DESIGN COORDINATION	2025/07/30

DATE: 2025/04/18
SCALE:
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: U50040241.3707

SCHEDULES - PLUMBING

P08-01

GENERAL NOTES - ALL HVAC SHEETS

- A. ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR MECHANICAL AND PLUMBING CONSTRUCTION.
- B. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES, AND COMPLY WITH ALL NATIONAL, STATE, AND MUNICIPAL LAWS, CODES, AND ORDINANCES RELATING TO BUILDING AND PUBLIC SAFETY.
- C. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM.
- D. COORDINATE THE EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE LOCATIONS OF LIGHT FIXTURES, PIPING, CONDUIT, AND OTHER CONSTRUCTION. TO ALLOW FOR PROPER ACCESS TO SERVICE EQUIPMENT.
- E. COORDINATE THE LOCATION OF DUCTWORK AND PIPING WITH OTHER TRADES AND PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED.
- F. IT IS THE INTENT OF THESE DOCUMENTS TO ALLOW ALL CEILING CONSTRUCTION AND HEIGHTS TO BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS. COORDINATE THE LOCATION OF DUCTWORK AND PIPING AND PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED TO MEET THIS INTENT.
- G. CONDUIT, PIPING, AND DUCTWORK SHALL BE INDEPENDENTLY SUPPORTED, AND EACH SUPPORT SHALL BE INDEPENDENT OF PARTITION AND CEILING SYSTEM SUPPORTS. WHERE INDEPENDENT SUPPORT IS NOT POSSIBLE AN ENGINEERED SUPPORT SYSTEM SHALL BE UTILIZED.
- H. INSTALL ALL FLOOR MOUNTED EQUIPMENT ON PADS AS SPECIFIED. PAD BY GENERAL CONTRACTOR. COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR.
- I. ALL WORK SHALL BE SCHEDULED AND PERFORMED IN STRICT COORDINATION WITH ARCHITECTURAL PHASING PLANS AND WITH HOSPITAL SCHEDULES, OCCUPANCIES, AND WORK.
- J. PROTECT EQUIPMENT AND WORK FROM DAMAGE DURING HANDLING AND INSTALLATION UNTIL COMPLETION OF CONSTRUCTION.
- K. REMOVE ALL EXCESS MATERIAL AND DEBRIS AND CLEAN ALL EQUIPMENT UPON COMPLETION OF WORK. TOUCH UP WITH PAINT WHERE REQUIRED.
- L. CONTRACTOR SHALL VISIT JOBSITE AND VERIFY SIZE AND LOCATION OF ALL EXISTING ITEMS AND CONDITIONS.
- M. ALL CONNECTION BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS.
- N. CONTRACTOR SHALL COORDINATE ALL WORK CLOSELY WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES.
- O. ALL EXISTING FACILITIES SHALL BE PROTECTED DURING THE CONSTRUCTION ACTIVITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE AND STORE ITEMS WHICH ARE SUBJECT TO DAMAGE.
- P. ARCHITECT SHALL HAVE FINAL APPROVAL OF ALL GRILLE, DIFFUSER, AND THERMOSTAT LOCATIONS.
- Q. COORDINATE ALL AIR DEVICE LOCATIONS AND MOUNTING FRAME STYLES WITH LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS.
- R. COORDINATE ALL WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS.
- S. DEMOLITION OF EACH PHASE SHALL OCCUR AS PART OF THE WORK FOR THAT PHASE. REMOVE ONLY THE WORK THAT SERVES THE AREA OF DEMOLITION.
- T. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- U. PROVIDE ADDITIONAL VALVES, TAPS, TEMPORARY DUCTWORK, ETC. AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE OF THE PHASE IN WHICH WORK IS BEING PERFORMED.
- V. ALL NECESSARY SHUTDOWNS OR OUT OF PHASE WORK SHALL BE COORDINATED WITH THE HOSPITAL REPRESENTATIVE.
- W. DUCT SIZES ARE NET FREE AREA.
- X. PROVIDE ROUND DUCTS TO ALL AIR DEVICES UNLESS NOTED OTHERWISE. DUCT SIZE SHALL MATCH AIR DEVICE NECK SIZE OR THE TABLE IN AIR DEVICE SCHEDULE, WHICHEVER IS LARGER. FLEXIBLE DUCTS SHALL BE SIZED SIMILARLY. DO NOT USE FLEXIBLE DUCTS ABOVE NON-LATHN CEILINGS.
- Y. TERMINAL BOX INLET DUCTS: SIZE THE RUNOUT DUCT AND ITS TAP AT MAIN TRUCK PER VAV BOX SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
- Z. TERMINAL BOX OUTLET DUCTS: SIZE THE LOW PRESSURE OUTLET DUCT TO BE SIZE OF TERMINAL BOX DISCHARGE UNLESS NOTED OTHERWISE ON PLANS.
- AA. MATCH THE SIZE INDICATED ON DRAWINGS. OUTLET PLENUM SIZES THAT ARE NOT INDICATED ON DRAWINGS SHALL MATCH THE TABLE IN THE APPLICABLE TERMINAL UNIT SCHEDULE.
- AB. PROVIDE FRAMED 0.5" BY 0.5" BIRD SCREEN (GALVANIZED STEEL ASSEMBLY) AT ALL DUCTS TERMINATING WITHOUT AN AIR DEVICE, AND AT UNDUCTED AIR FLOW OPENINGS AT EQUIPMENT. PROVIDE 1.5" BY 0.5" BIRD SCREEN (316 STAINLESS STEEL) AT ALL INDOOR FACE OF LOUVERS AND UNDUCTED AIR FLOW OPENINGS TO EQUIPMENT HANDLING OUTSIDE AIR.
- AC. PROVIDE MANUAL VOLUME DAMPER IN EACH AIR DEVICE RUNOUT DUCT AS FAR FROM AIR DEVICE AS POSSIBLE.
- AD. INSTALL SPACE THERMOSTAT ADJACENT TO LATCH SIDE OF DOOR IN SPACE INDICATED.
- AE. INDICATED SPACE THERMOSTAT LOCATIONS ARE APPROXIMATE. AVOID HEAT PRODUCING EQUIPMENT.
- AF. FINAL SPACE THERMOSTAT/SENSOR LOCATIONS SHALL BE AS DIRECTED BY THE ARCHITECT.
- AG. INSTALL HUMIDISTATS IN SIMILAR FASHION.
- AH. INSTALL TURNING VANES IN ALL 90 DEGREE SQUARE ELLS IN SUPPLY, RETURN, AND EXHAUST DUCTS. (NONE ALLOWED IN COMBUSTION AIR DUCTS).
- AI. LOCATE ISOLATION VALVES FOR EQUIPMENT AS CLOSE TO THE MAIN AS POSSIBLE.
- AJ. PROVIDE CONDENSATE DRAIN PIPING FROM ALL COOLING COILS TO DRAIN.
- AK. MULTI-BLADE DAMPERS OF ANY TYPE INSTALLED WITHIN 36" OF AN ELL OR OTHER FITTING SHALL BE INSTALLED WITH THE DAMPER BLADE SHAPTS PARALLEL TO THE AIRSTREAM FLOW DIRECTION UPSTREAM OF THE FITTING.
- AL. COORDINATE LOCATION OF ALL DISCONNECTS, CONTROL PANELS AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES OF 42" DEEP AND 30" WIDE IN FRONT OF EQUIPMENT.
- AM. ALL FIRE AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION DETAILS AND BE U.L. TESTED AND LISTED.
- AN. FULLY INTEGRATE ALL NEW CONTROLS WITH ALL EXISTING / MODIFIED EQUIPMENT BACK TO NEW BAS AND ENGINEERS WORKSTATION IN RENOVATION PROJECT.
- AO. PROVIDE FILTER GAUGE ACROSS EACH FILTER BANK SERVING CENTRAL AIR SYSTEMS. THE GAUGE SHALL BE RED LINED OR A FILTER ALARM LIGHT INSTALLED TO SIGNAL WITH THE RECOMMENDED MAXIMUM STATIC PRESSURE DROP HAS BEEN REACHED. USE MAXIMUM STATIC PRESSURE AS RECOMMENDED BY FILTER MANUFACTURER.
- AP. PIPE CONNECTIONS LESS THAN 2-1/2" TO HEATING COILS, COOLING COILS, HUMIDIFIERS AND SIMILAR EQUIPMENT SHALL HAVE FLEXIBLE CONNECTORS OR THREE 90-DEGREE OFFSETS IN CLOSE PROXIMITY OF THE CONNECTION.
- AQ. CONTRACTOR SHALL RE-INSPECT RECOMMENDED CONNECTION POINTS AFTER DEMOLITION PHASE TO ENSURE TIE-IN POINTS ARE ADEQUATE FOR RENOVATION SYSTEMS.
- AR. CONTRACTOR SHALL TEST AND BALANCE ALL EXISTING SYSTEMS THAT ARE TO BE CONNECTED TO FOR THE RENOVATION PHASE PRIOR TO INSTALLING NEW WORK AND DOCUMENT VALUES. CONTRACTORS SHALL RE-TEST AND BALANCE EXISTING SYSTEMS AFTER CONNECTION TO ENSURE ALL DOWN STREAM SYSTEMS ARE PROVIDED THE SAME PERFORMANCE AFTER CONSTRUCTION.
- AS. ALL DISCONNECTS DOWN STREAM OF VFDs SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN UPSTREAM VFD WHEN SWITCH IS OPEN.

GENERAL PIPING NOTES

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

GENERAL DEMOLITION NOTES

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

FIRE ALARM SEQUENCE OF OPERATION

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

MECHANICAL/ELECTRICAL SYSTEM COORDINATION SCHEDULE

SYSTEM	FURNISHED BY	INSTALLED BY	POWER WIRING BY	CONTROL OR SUPERVISION WIRING BY
LIFE SAFETY SYSTEM	XXXXX	XXXXX	XX	XXXXX
SMOKE DAMPER/ACTUATOR	DIV 23	DIV 23	DIV 26	DIV 28
FIRE/SMOKE DAMPER/ACTUATOR	DIV 23	DIV 23	DIV 26	DIV 28
DUCT SMOKE DETECTOR	DIV 28	DIV 23	XX	DIV 28
NURSE CALL/FIRE ALARM INTERFACE	DIV 28	DIV 28	XX	DIV 28
FIRE SPRINKLER SYSTEM	DIV 21	DIV 21	DIV 26	DIV 28
WATERFLOW SWITCHES	DIV 21	DIV 21	XX	DIV 28
TAMPER SWITCHES	DIV 21	DIV 21	XX	DIV 28
SUPERVISORY CONTACTS	DIV 21	DIV 21	XX	DIV 28
MEDICAL GAS ALARM	DIV 22	DIV 22	DIV 26	DIV 22
MOTOR STARTERS (INTEGRAL TO EQUIP.)	DIV 22/23	XXXXX	DIV 26	DIV 23
MOTOR STARTERS (NON-INTEGRAL TO EQUIP.)	DIV 26	DIV 26	DIV 26	DIV 23
COMBINATION MOTOR STARTER/DISCONNECT (INTEGRAL TO EQUIP.)	DIV 22/23	XXXXX	DIV 26	DIV 23
COMBINATION MOTOR STARTER/DISCONNECT (NON-INTEGRAL TO EQUIP.)	DIV 26	DIV 26	DIV 26	DIV 23
VARIABLE FREQUENCY DRIVES (VFD'S)	DIV 26	DIV 26	DIV 26	DIV 23
DISCONNECT SWITCHES (NON-INTEGRAL TO EQUIP.)	DIV 26	DIV 26	DIV 26	XXXXX

NOTE 1: CONTROL OR SUPERVISORY WIRING FOR DISCONNECT SWITCHES WITH AUXILIARY CONTACTS FOR USE WITH VFD'S BY DIV. 23
NOTE 2: DIVISION OF SCOPE BETWEEN TRADES IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS TABLE IS PROVIDED AS A GUIDE TO THE DOCUMENT PREPARATION AND IN NO WAY INDICATES CONTRACTOR MEANS AND METHODS.

DESIGN CRITERIA

LOCATION/CITY/STATE	LEE'S SUMMIT, MISSOURI
APPLICABLE CODES:	
BUILDING	2018 IBC
MECHANICAL	2018 IMC
PLUMBING	2018 IPC
ELECTRICAL	2017 NEC
FIRE	2018 IFC
FACILITY GUIDELINES	2014 FGI
INSTITUTE	
LATITUDE:	
DEG. N. LAT.	38.9
LONGITUDE:	
DEG. W. LONG.	94.3
ELEVATION:	
FT. ABOVE SEA LEVEL	997
ASHRAE SUMMER DESIGN CONDITIONS:	
0.4% DRY BULB	89.9 °F
0.4% WET BULB	79.5 °F
ASHRAE WINTER DESIGN CONDITIONS:	
99.6% WET BULB	4.5 °F
HCA DESIGN CRITERIA	-5.5 °F
BUILDING SPACE DESIGN TEMPERATURES:	
SUMMER DB	72 °F
WINTER DB	68 °F
SUPPLY AIR TEMPERATURE:	
DEG. F. DRY BULB	52 °F

MECHANICAL ABBREVIATIONS

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

CONTROL DIAGRAM SYMBOLS

SYMBOLS	DESCRIPTION
(AI)	ANALOG INPUT
(AO)	ANALOG OUTPUT
(DI)	DIGITAL INPUT
(DO)	DIGITAL OUTPUT
TT-X	TEMPERATURE TRANSMITTER #X
HT-X	RELATIVE HUMIDITY TRANSMITTER #X
V-X	CONTROL VALVE #X
SPT-X	STATIC PRESSURE TRANSMITTER #X
ESC-X	END SWITCH, NORMALLY CLOSED #X
ESO-X	END SWITCH, NORMALLY OPEN #X
TS-X	TEMPERATURE SENSOR #X
SD-X	SMOKE DETECTOR #X
OL	OVERLOAD RELAY #X
DPS-X	DIFFERENTIAL PRESSURE SENSOR #X
CSR-X	CURRENT SENSING RELAY #X
FM-X	FLOW METER #X
FS-X	FLOW SWITCH #X
EAS-X	EMERGENCY AIR HANDLER SHUT DOWN BUTTON #X

MECHANICAL SYMBOLS

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

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04/18/2025

WSP USA Buildings Inc. 2013001881

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ED 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

FACILITY NUMBER:
097240011

AGENCY APPROVAL:
AGENCY

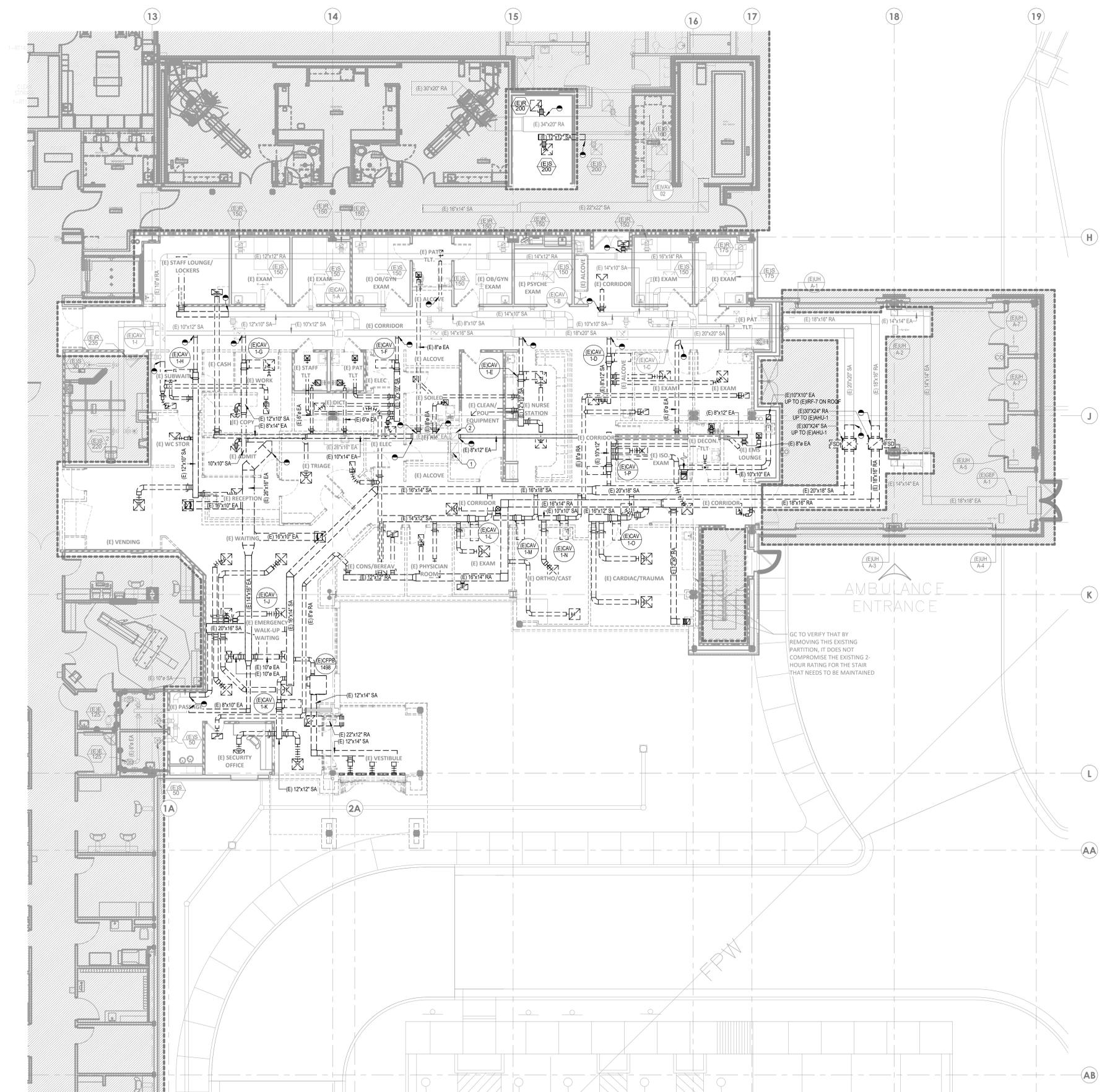
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
SCALE: N.T.S.
DRAWN: HO
REVIEWED: JD
JOB NUMBER: U50040241.3707

GENERAL INFORMATION - MECHANICAL

M00-00

Autodesk Doc./1640624 - HCA - Lee's Summit Medical Center (LSMC)_rv23(MEP)_LSMK ED Expansion_03.rvt 4/27/2025 2:27:05 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.



GENERAL DEMO NOTES

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

LEGEND NOTES

1. 20"x18" EXISTING EA DUCT UP TO EF-2 ON ROOF.
2. 18"x18" EXISTING EA DUCT UP TO EF-1 ON ROOF.

Devenney GROUP
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 www.devenneygroup.com

Consultant:
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 300 WYANDOTTE, SUITE 200
 KANSAS CITY, MO 64105

STATE OF MISSOURI
 JONATHAN DICKERT
 NUMBER PE-202109309
 EXPIRES 08/31/2025
 PROFESSIONAL ENGINEER
 04/18/2025
 WSP USA Buildings Inc. 2013001881

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER FEDERAL AND STATE LAWS. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE SEIZURE OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

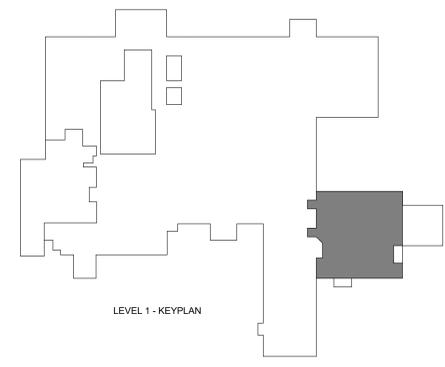
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: HO
 REVIEWED: JD
 JOB NUMBER: U50040241.3707

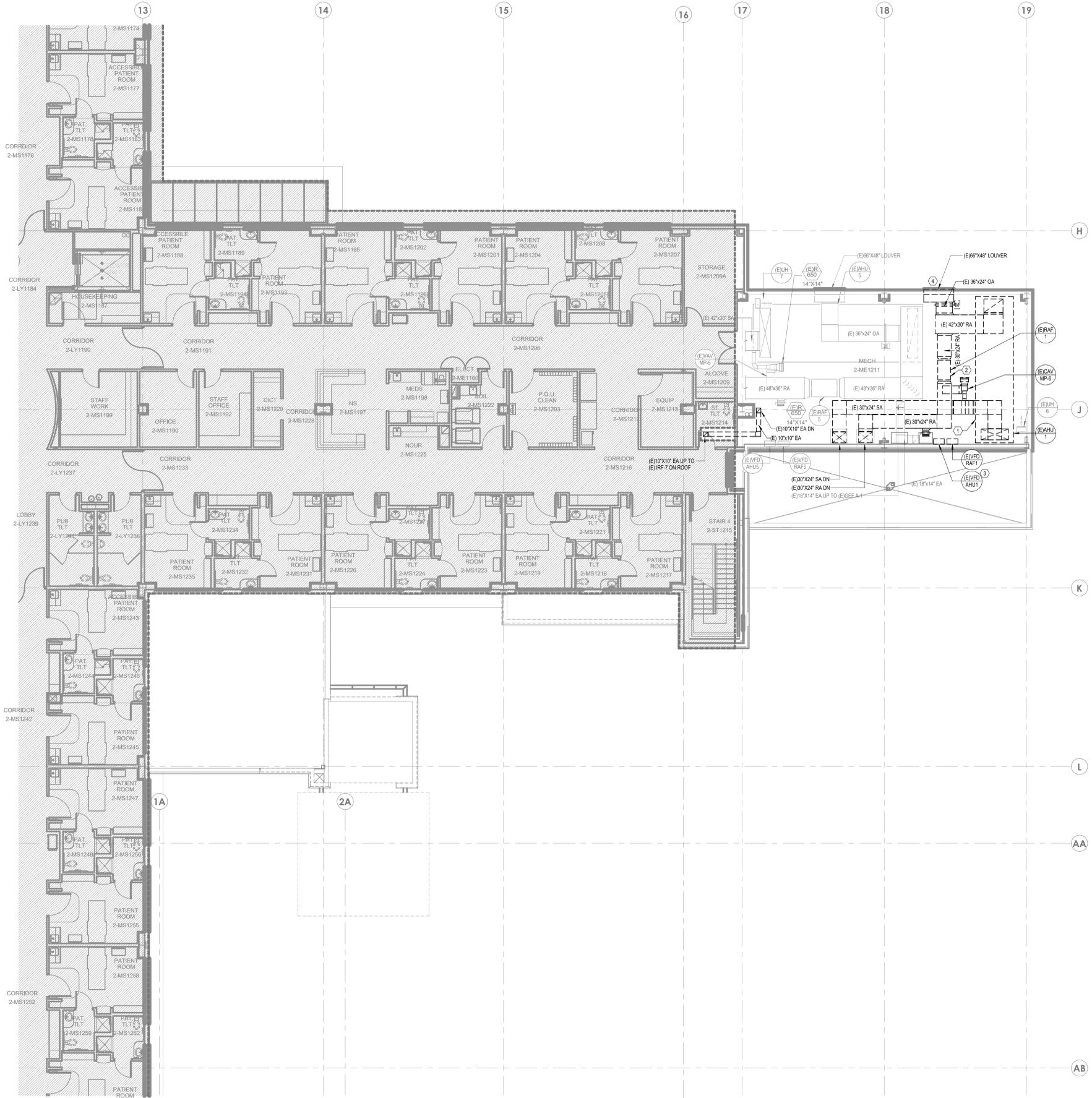
DEMOLITION PLAN - LEVEL
 01 - HVAC

MD02-01

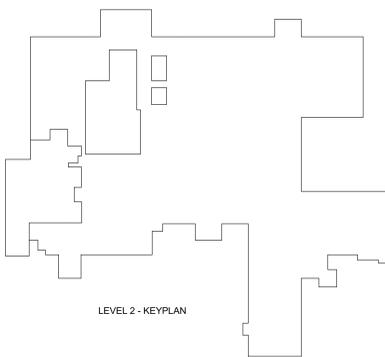
1 DEMOLITION PLAN - LEVEL 01 - HVAC
 1/8" = 1'-0"



4/27/2025 2:27:12 PM Autodesk Docs://640624 - HCA - Lee's Summit Medical Center (LSMC)_LV23/MEP - LS/MC ED Expansion: R2.3.rvt
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1 DEMOLITION PLAN - LEVEL 02 - HVAC
1/8" = 1'-0"



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- E. PROVIDE TEMPORARY AHU FOR AREAS IMPACTED BY AHU REPLACEMENT.

LEGEND NOTES

- 1. DEMOLISH EXISTING AHU-1 AND ASSOCIATED DUCTWORK AND ACCESSORIES.
- 2. DEMOLISH EXISTING RAF-1 AND ASSOCIATED DUCTWORK AND ACCESSORIES.
- 3. DEMOLISH EXISTING VFD FOR RAF-1 AND EXISTING VFD FOR AHU-1. RETURN VFDs TO OWNER.
- 4. DEMOLISH EXISTING 60\"/>

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 KANSAS CITY, MO 64105

Professional Engineer Seal:
 JONATHAN INCKERT
 NUMBER: PE-2021039309
 EXPIRES: 04/18/2025
 WSP USA Buildings Inc. 2013001881

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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

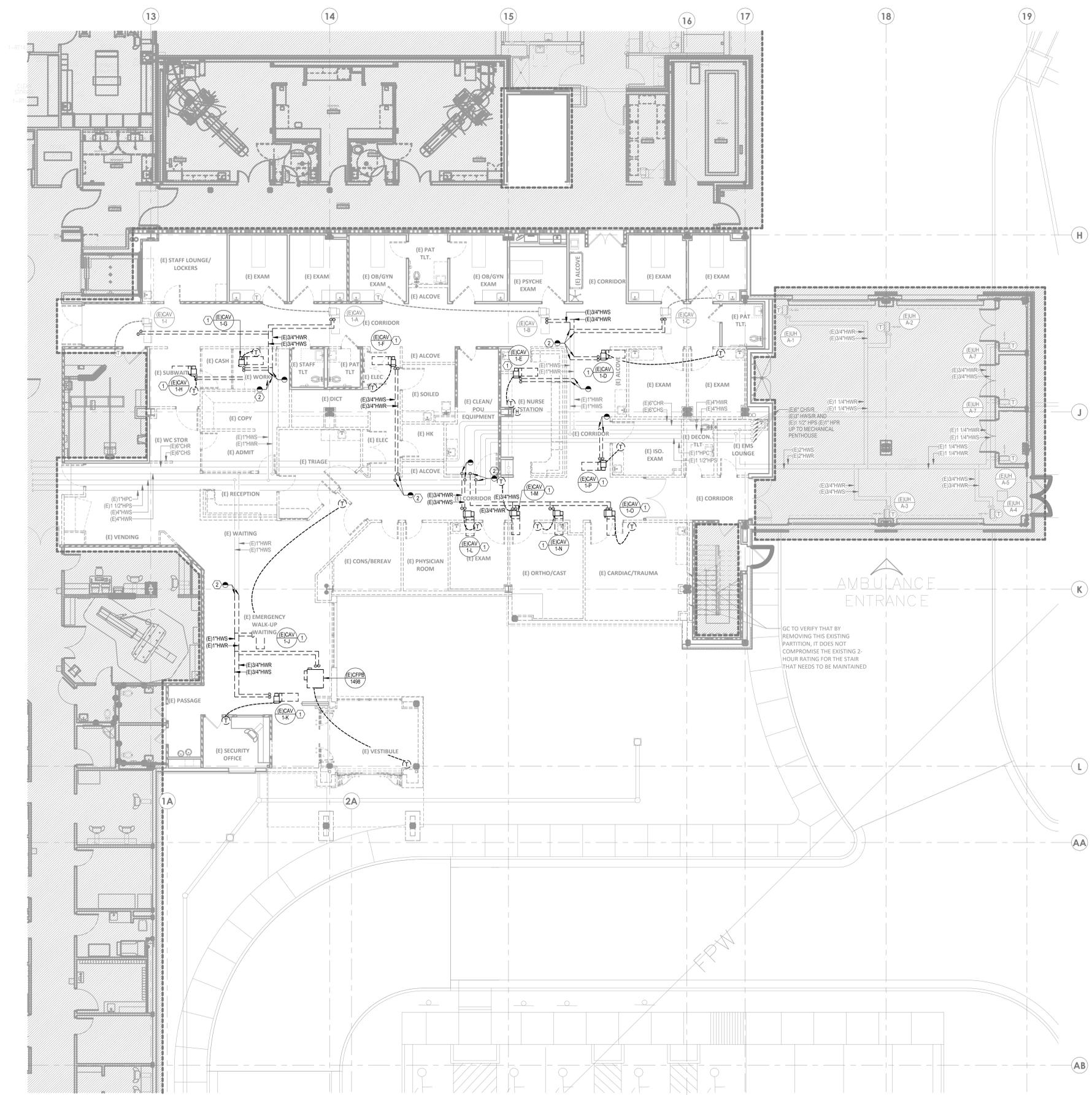
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: HO
 REVIEWED: JD
 JOB NUMBER: U50040241.3707

DEMOLITION PLAN - LEVEL 02 - HVAC

MD02-02

4/27/2025 2:27:13 PM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LV23(MED)_LSMC ED Expansion_R23.rvt
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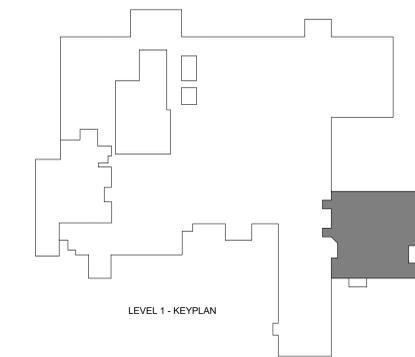
1 DEMOLITION PLAN - LEVEL 01 - HVAC PIPING
1/8" = 1'-0"

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- D. CONTRACTOR TO PRE-TAG ALL SUPPLY AND RETURN PIPING SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TAGGED CONSTRUCTION VALUES.

LEGEND NOTES

- 1. DEMOLISH EXISTING VAV BOX.
- 2. CONTRACTOR TO DEMOLISH HWSR LINES AS SHOWN AND INSTALL NEW SHUTOFF VALVES.



LEVEL 1 - KEYPLAN

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STATE OF MISSOURI
JONATHAN DICKERT
NUMBER PE-202103909
PROFESSIONAL ENGINEER
04/18/2025
WSP USA Buildings Inc. 2013001881

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ED 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

FACILITY NUMBER:
0972400011

AGENCY APPROVALS:
AGENCY

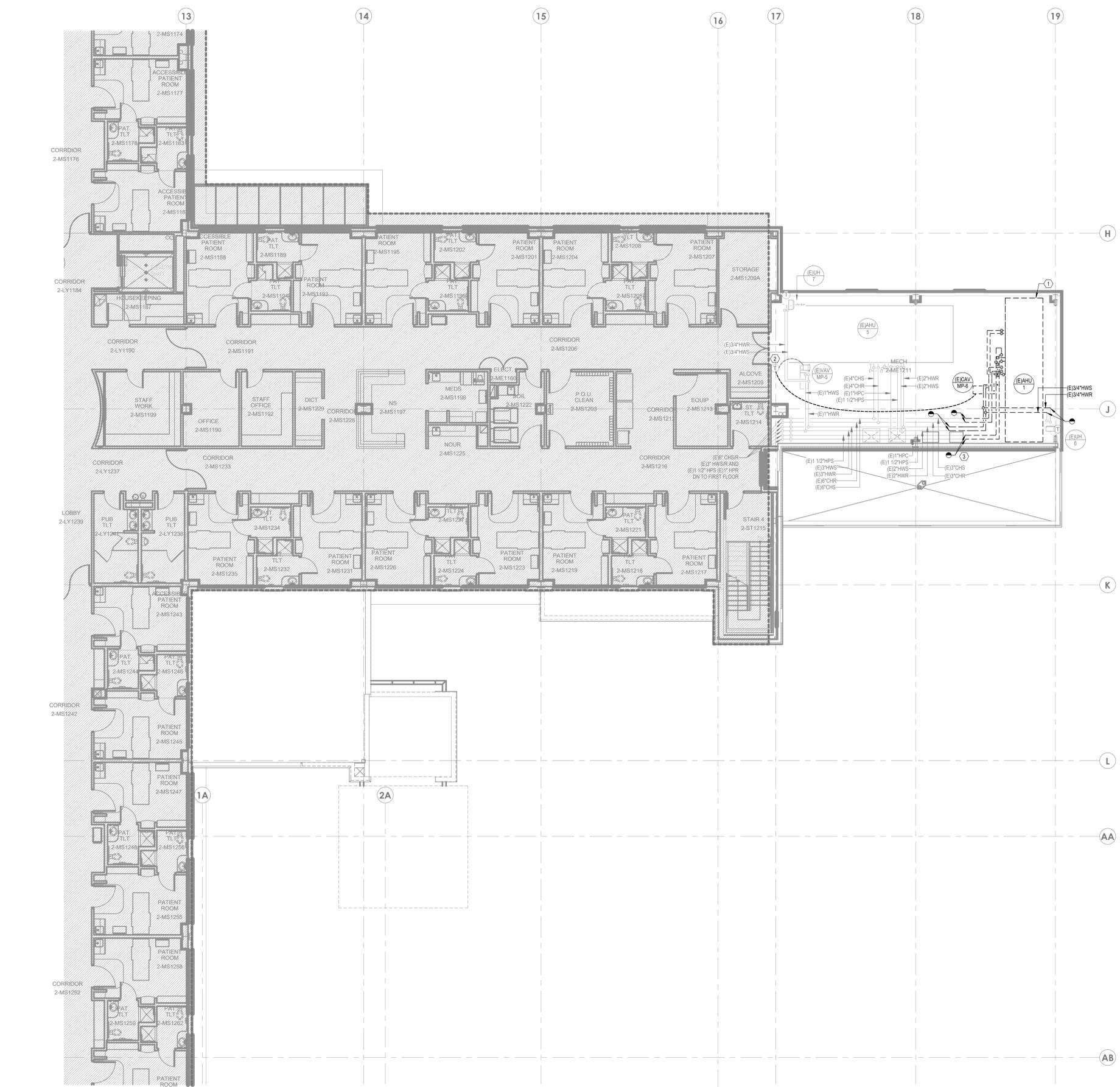
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
SCALE: 1/8" = 1'-0"
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REVIEWED: JD
JOB NUMBER: U50040241.3707

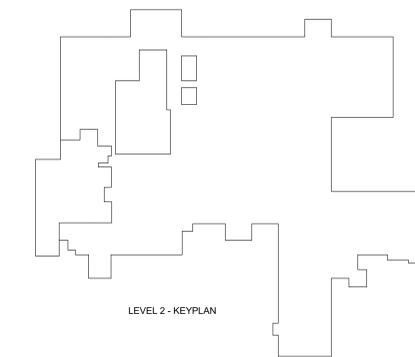
DEMOLITION PLAN - LEVEL 01 - HVAC PIPING

MD03-01

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1 DEMOLITION PLAN - LEVEL 02 - HVAC PIPING
1/8" = 1'-0"



GENERAL DEMO NOTES

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LEGEND NOTES

- 1. CONCRETE HOUSE KEEPING PAD EXISTING TO REMAIN. CONTRACTOR TO FIELD VERIFY FOR NEW AHU.
- 2. DEMOLISH CONTROL WIRING FROM THERMOSTAT TO EXISTING CAV-MP-6. THERMOSTAT IS EXISTING TO REMAIN AND WILL CONTINUE TO CONTROL EXISTING VAV-MP-5.
- 3. DEMOLISH HYDRONIC & STEAM PIPING SERVING (E) AHU-1 BACK TO POINTS INDICATED AND PREPARE PIPING FOR NEW CONNECTIONS.

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KANSAS CITY, MO 64105

Professional Engineer Seal:
JONATHAN DICKERT
NUMBER PE-2021039309
EXPIRES 04/18/2025
WSP USA Buildings Inc. 2013001881

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ED 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

FACILITY NUMBER:
0972400011

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
JOB NUMBER: U50040241.3707

DEMOLITION PLAN - LEVEL 02 - HVAC PIPING

MD03-02

4/27/2025 2:27:19 PM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LV23/MEP - LSME ED Expansion: 02.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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

GENERAL NOTES

- A. REFER TO M02-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
- B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
- C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILING.
- D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILING.

LEGEND NOTES

- 1. PROVIDE SOUND LAGGING FOR 15' OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO EXHAUST FAN AS SHOWN WITH DASHED LINE. REFER TO DETAILS 06M07-01 AND 06M07-03.
- 2. 8"x14" STAINLESS STEEL EA DUCT UP TO DEF-1 ON ROOF.
- 3. 28"x18" EXISTING EA DUCT UP TO EF-2 ON ROOF.
- 4. 18"x18" EXISTING EA DUCT UP TO EF-1 ON ROOF.
- 5. 12"x8" EA DUCT UP TO IR-8 ON ROOF.
- 6. BALANCE EXISTING DIFFUSER OR GRILLE TO CFM SHOWN ON PLAN.
- 7. PROVIDE DUCT STATIC PRESSURE SENSOR FOR AHU-1.
- 8. ROUTE NEW DUCTWORK AROUND EXISTING P-TUBE.
- 9. CONTRACTOR TO FIELD VERIFY EXISTING VAV ACCESS IS NOT OBSTRUCTED BY NEW DOUBLE DOORWAY. IF EXISTING VAV ACCESS IS OBSTRUCTED, CONTRACTOR TO SHIFT EXISTING VAV OUT OF OBSTRUCTION AS NEEDED TO OBTAIN FULL VAV ACCESS.

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300 WYANDOTTE, SUITE 200
KANSAS CITY, MO 64105

STATE OF MISSOURI
JONATHAN DICKERT
NUMBER PE-202103939
08/06/2025
WSP USA Buildings Inc. 2013001881

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ED EXPANSION

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

AUTHORITY HAVING JURISDICTION:
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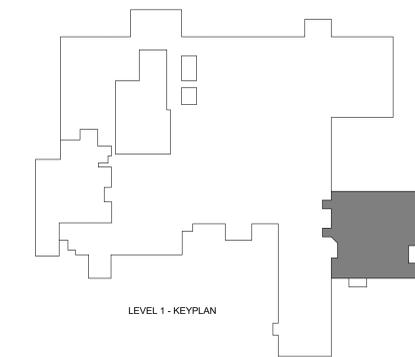
AGENCY APPROVALS:
AGENCY

REV #	REVISIONS	DATE
B	DESIGN COORDINATION	2025/06/05
C	STATE - 2ND REVIEW COMMENTS	2025/07/30

DATE: 04/18/25
SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 01 - HVAC

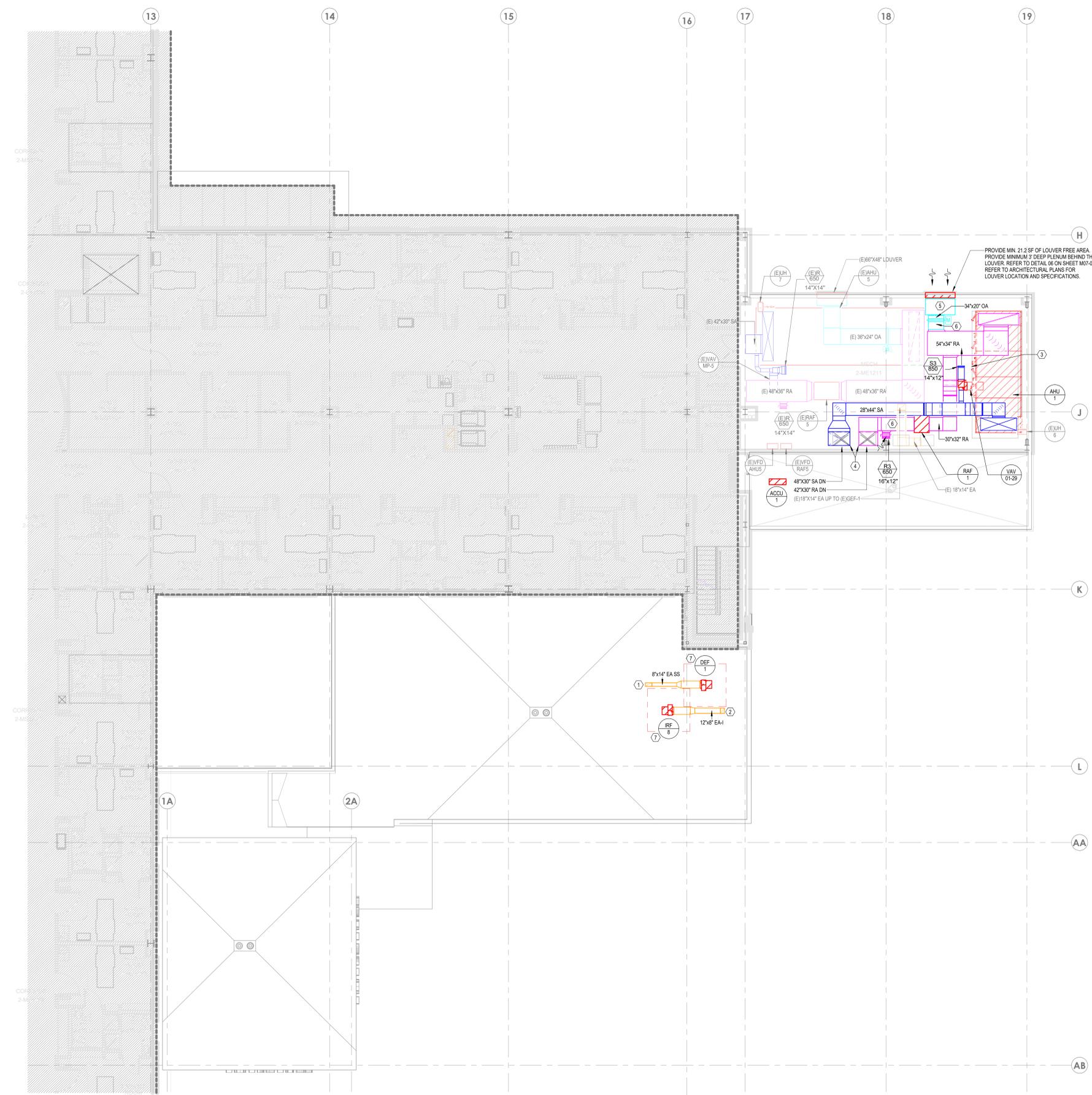
M02-01



LEVEL 1 - KEY PLAN

7/28/2025 4:25:38 PM Autodesk Docs://640624 - HCA - Lee's Summit Medical Center (LSMC) - LV23/MEP - LS/MC ED Expansion - R2.rvt
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1 FLOOR PLAN - LEVEL 02 - HVAC
1/8" = 1'-0"

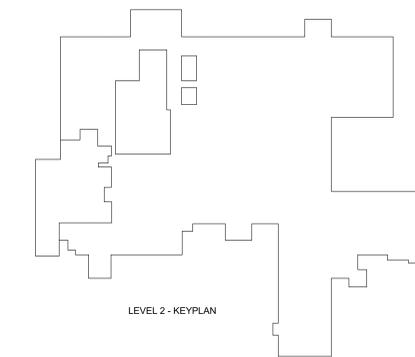


GENERAL NOTES

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

LEGEND NOTES

- 1. 8"x14" STAINLESS STEEL EA DUCT DOWN TO LEVEL 1 DECONTAM.
- 2. 12"x8" EA DUCT DOWN TO LEVEL 1 A.I. EXAM 11 AND 11T.
- 3. AHU COIL PULL AND ACCESS CLEARANCE ON THIS SIDE OF UNIT.
- 4. CONTRACTOR TO LINE NEW SUPPLY DUCT UP WITH EXISTING SUPPLY PENETRATION AT THE BOTTOM RIGHT CORNER. CONTRACTOR TO LINE NEW RETURN DUCT UP WITH EXISTING RETURN PENETRATION AT THE BOTTOM LEFT CORNER. CONTRACTOR TO PROVIDE 2" CONCRETE CURB AROUND BOTH DUCT PENETRATIONS FOR WATER PENETRATION PREVENTION.
- 5. REFER TO DETAIL 06/M07-03 FOR LOUVER PLENUM AND DRAIN DETAILS.
- 6. CONTRACTOR TO INSTALL OAM II AIRFLOW MEASUREMENT SYSTEM MANUFACTURED BY AIR MONITOR IN DUCTWORK AT LOCATION SHOWN ON PLAN 24 V. NEMA 1.
- 7. REFER TO DETAIL 5/M07-02 FOR EXHAUST FAN DISCHARGE REQUIREMENTS.



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KANSAS CITY, MO 64105

Professional Engineer Seal:
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NUMBER PE-2021039309
EXPIRES 12/31/2025
WSP USA Buildings Inc. 2013001881
04/18/2025

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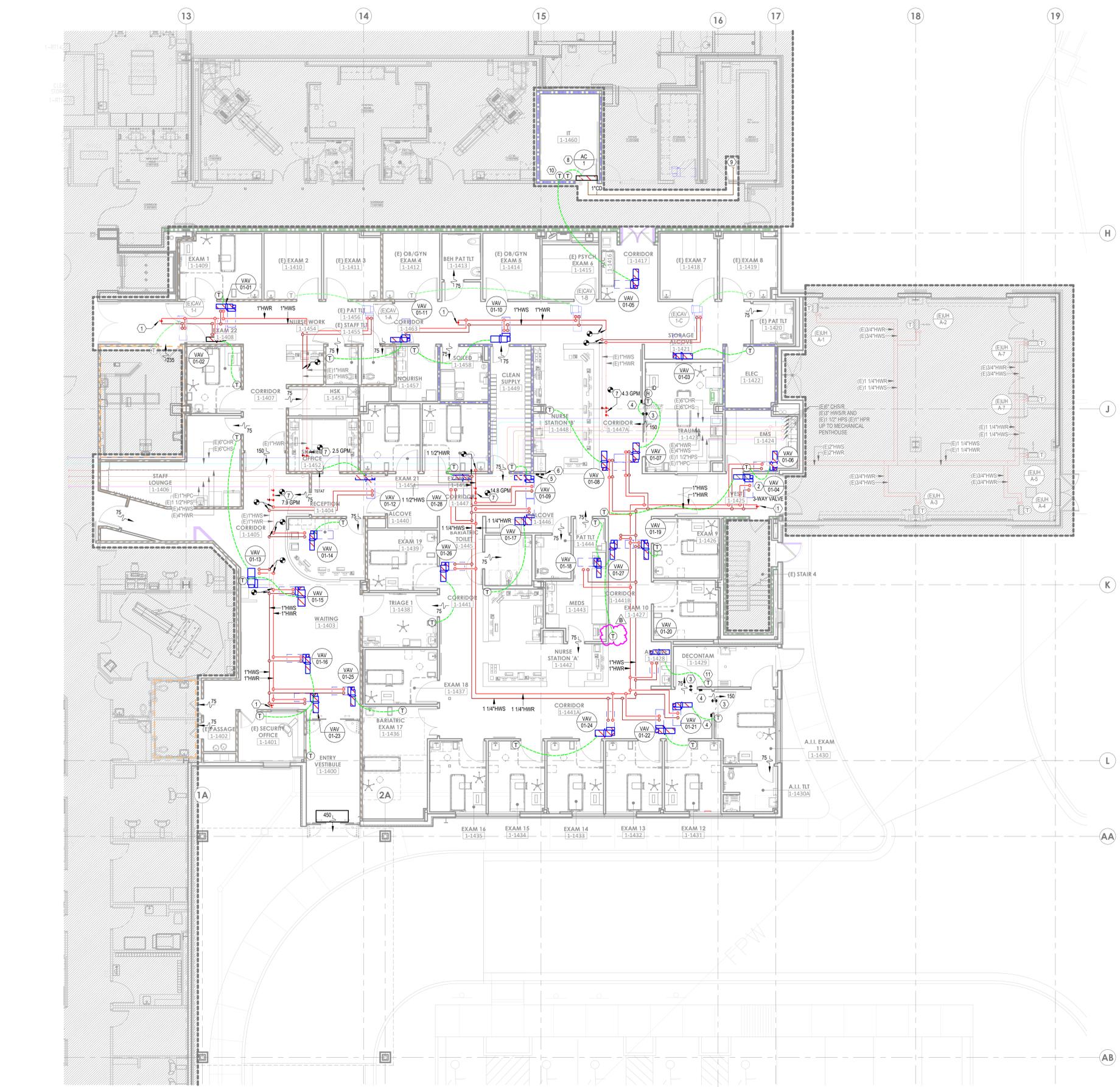
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FLOOR PLAN - LEVEL 02 - HVAC

M02-02

Autodesk Docx://640624 - HCA - Lee's Summit Medical Center (LSMC) Lrv23/MEP - LSME ED Expansion: R2.3.rvt 4/27/2025 2:25:59 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.



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

GENERAL NOTES

- A. REFER TO M0-00 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.
- C. PROVIDE CEILING ACCESS PANELS FOR ALL EQUIPMENT, COILS, ETC. THAT ARE LOCATED ABOVE HARD CEILINGS UNLESS NOTED OTHERWISE.

LEGEND NOTES

1. PROVIDE END OF MAIN FLUSHING VALVE AT THE END OF HW PIPING RUN. REFER TO DETAIL 050407.01.
2. PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.
3. DIFFERENTIAL PRESSURE SENSOR MOUNTED ABOVE DOOR.
4. PRESSURE MONITOR STATION, MOUNT AT 48" A.F.F.
5. EPO SWITCH FOR AHU-1.
6. PROVIDE PRESSURE MONITOR FOR ISOLATION ROOM.
7. CALIBRATED ORIFICE BALANCING VALVE BALANCED TO GPM INDICATED.
8. ROUTE REFRIGERANT PIPING TO CORRESPONDING CONDENSING UNIT ON ROOF. SIZE AND ROUTE PIPING PER MANUFACTURER'S REQUIREMENTS. DO NOT ROUTE REFRIGERANT PIPING OVER COMMUNICATIONS ROOMS RACKS OR WALL-MOUNTED EQUIPMENT.
9. ROUTE CONDENSATE DRAIN LINE TO NEAREST FLOOR DRAIN.
10. PROVIDE TWO THERMOSTATS IN IT ROOM. ONE FOR VAV CONTROL AND ONE FOR MINI-SPLIT CONTROL. SET MINI-SPLIT THERMOSTAT 2-3°F LOWER THAN VAV TO PRIORITIZE MINI-SPLIT OPERATION AND ALLOW VAV TO ENGAGE AS SUPPLEMENTAL COOLING.
11. THERMOSTAT TO BE WASH DOWN TYPE. PROVIDE PLASTIC COVER.

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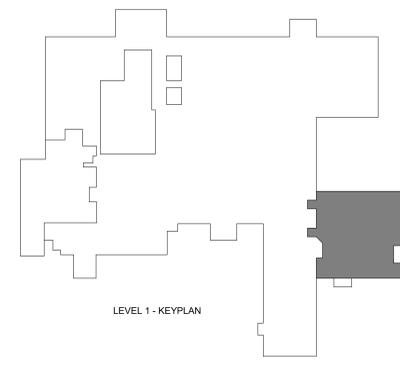
AGENCY APPROVALS:
AGENCY

REV #	REVISIONS	DATE
B	DESIGN COORDINATION	2025/06/05

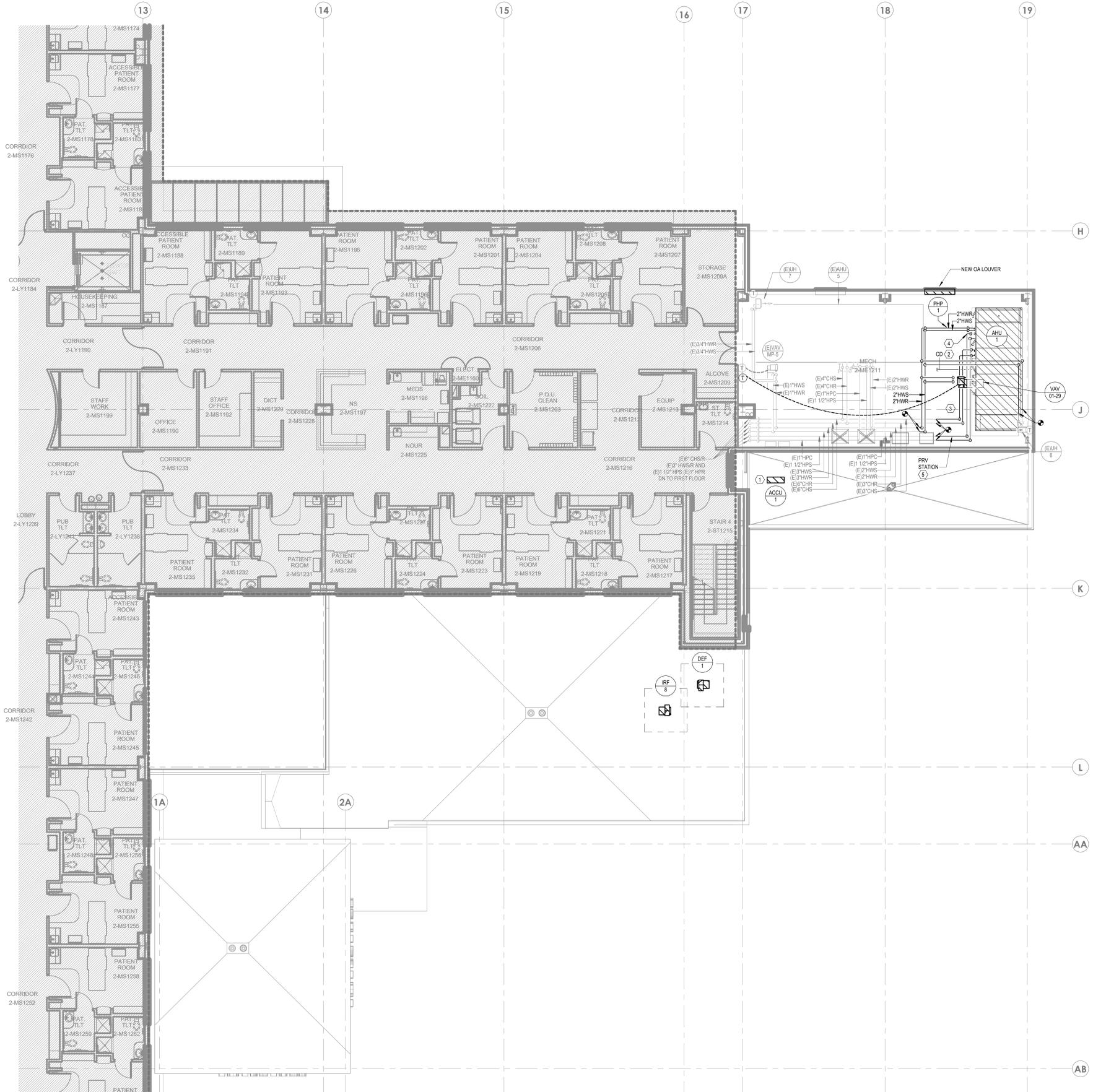
DATE: 04/18/25
SCALE: 1/8" = 1'-0"
DRAWN: HO
REVIEWED: JD
JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 01 -
HVAC PIPING

M03-01



6/20/2025 4:51:57 PM Autodesk Docs://Fig06-24 - HCA - Lee's Summit Medical Center (LSMC)_rv23/MEP_LSMC/ED Expansion: R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Designer's designated agent upon request.



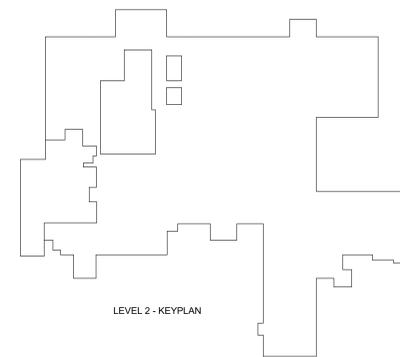
1 FLOOR PLAN - LEVEL 02 - HVAC PIPING
1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO M0-00 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.
- C. PROVIDE CEILING ACCESS PANELS FOR ALL EQUIPMENT, COILS, ETC. THAT ARE LOCATED ABOVE HARD CEILINGS UNLESS NOTED OTHERWISE.

LEGEND NOTES

- 1. ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO CORRESPONDING AC UNIT, AC-1, IN IT ROOM 1-140. SIZE AND ROUTE PIPING PER MANUFACTURER'S REQUIREMENTS.
- 2. ROUTE CONDENSATE DRAIN LINE TO NEAREST FLOOR SINK.
- 3. PROVIDE NEW VALVES AS SHOWN ON CHILLED WATER AND HEATING WATER DETAILS.
- 4. REFER TO DETAIL 3007.04 FOR HUMIDIFICATION SYSTEM REQUIREMENTS.
- 5. PROVIDE NEW PRESSURE REDUCING VALVE STATION.



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JONATHAN DICKERT
NUMBER PE-202109309
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FLOOR PLAN - LEVEL 02 -
HVAC PIPING

M03-02

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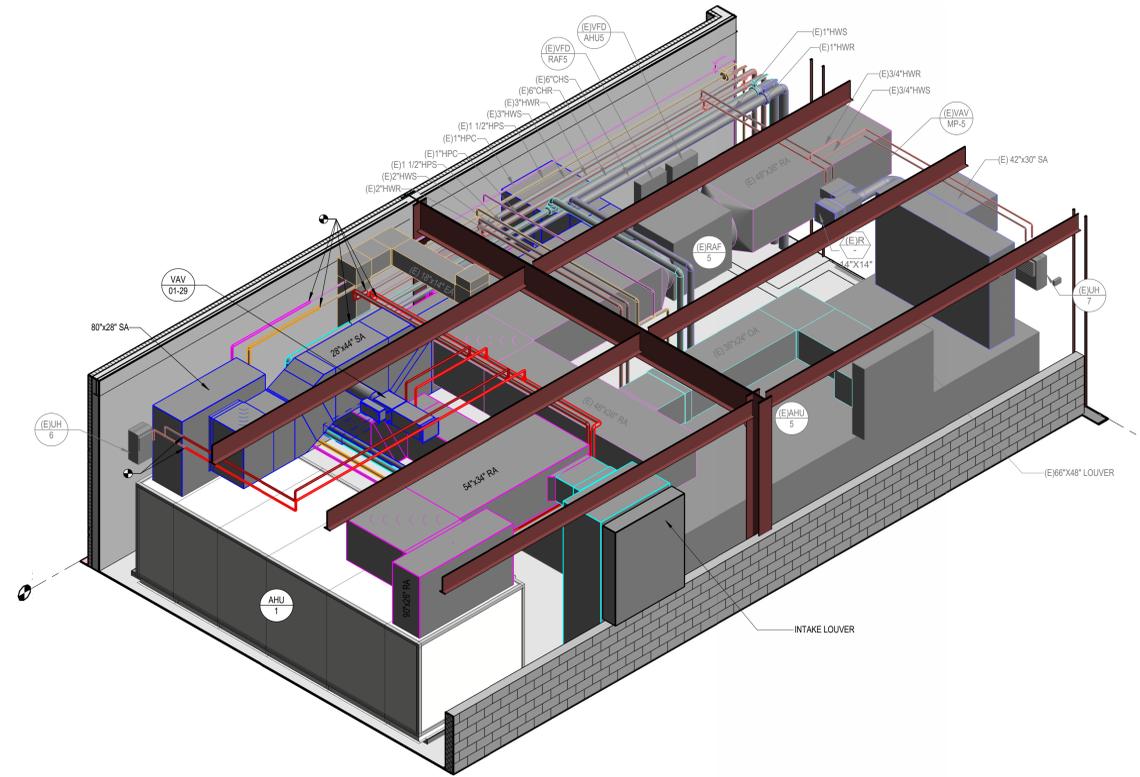
REVISIONS

REV #	DESCRIPTION	DATE

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 JOB NUMBER: U50040241.3707

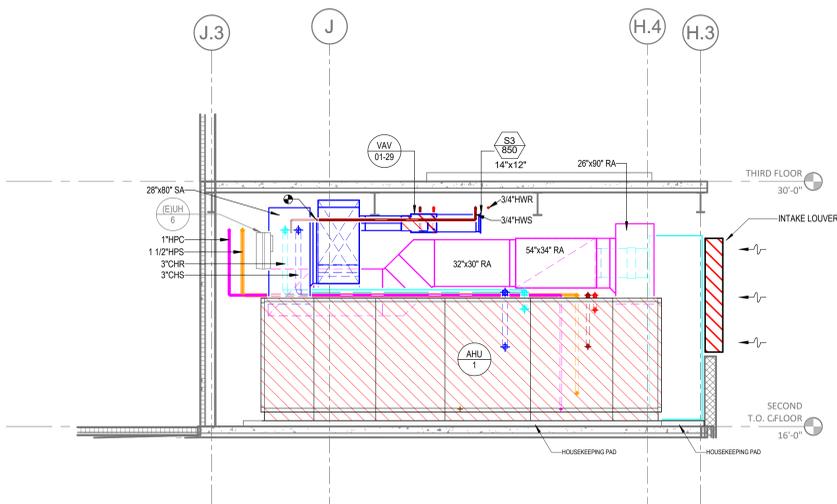
ENLARGED PLANS - MECHANICAL

M05-01

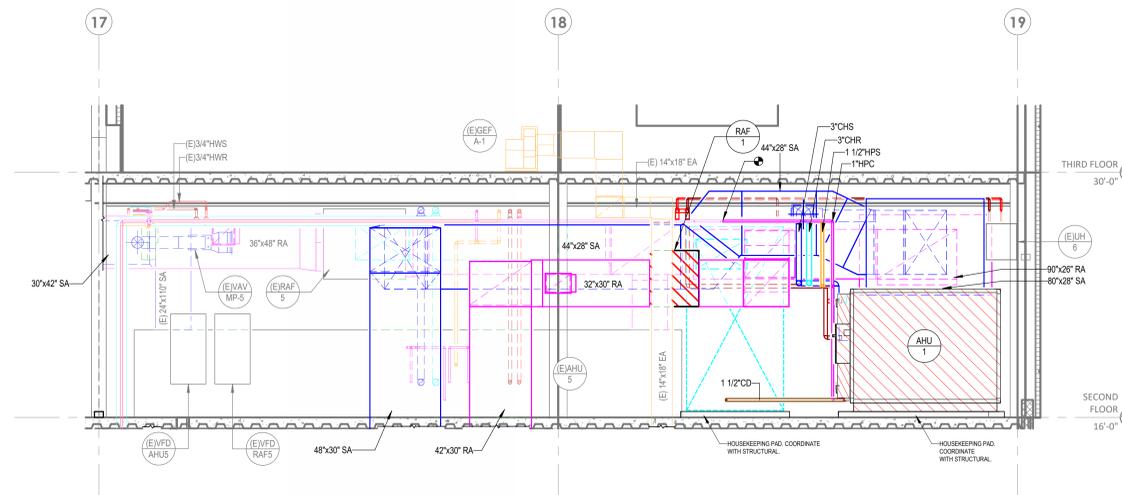


3D VIEW AND SECTION VIEWS PROVIDED FOR REFERENCE ONLY

3 MECH ROOM - 3D

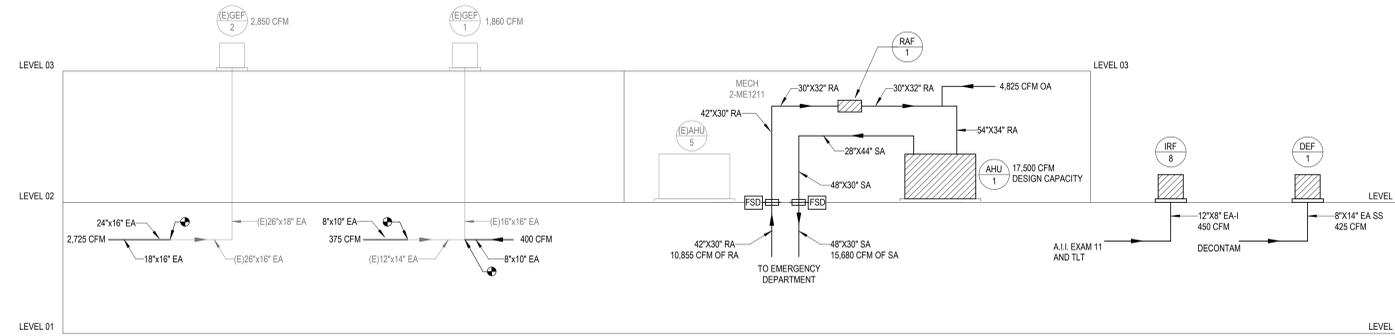


2 MECH ROOM SECTION - 2
 1/4" = 1'-0"

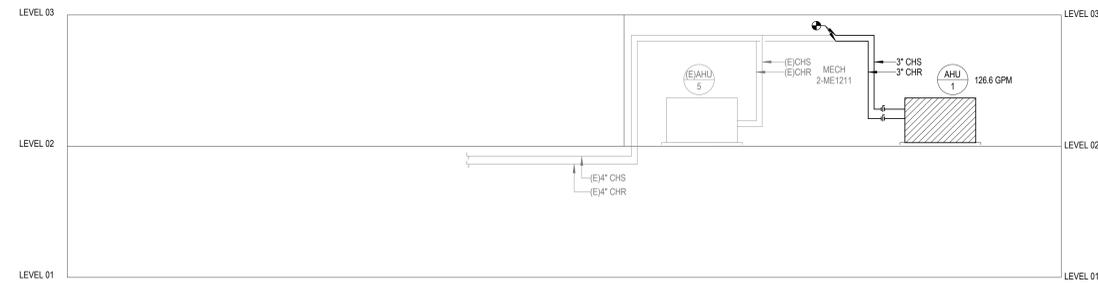


1 MECH ROOM SECTION - 1
 1/4" = 1'-0"

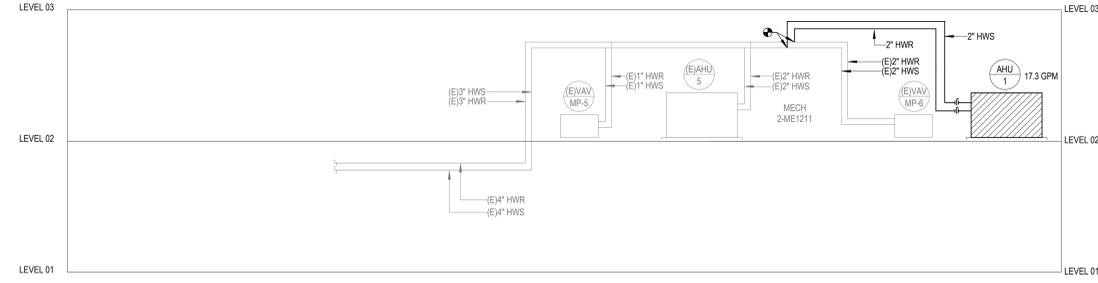
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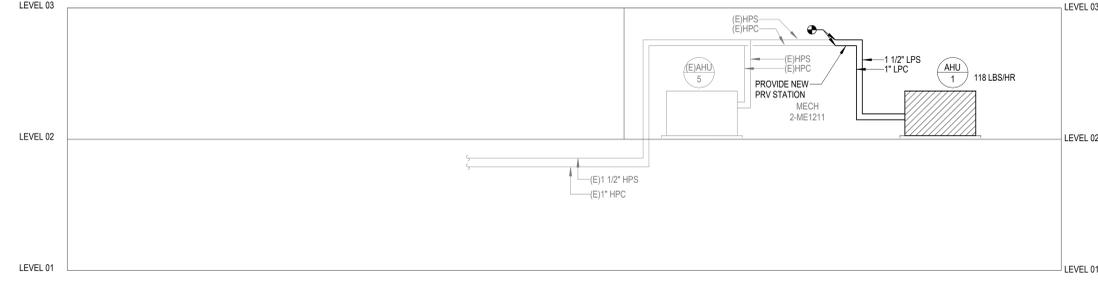
4 AIR RISER DIAGRAM
1/8" = 1'-0"



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



2 HEATING HOT WATER RISER DIAGRAM
1/8" = 1'-0"



1 STEAM HUMIDIFIER RISER DIAGRAM
1/8" = 1'-0"



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MISSOURI DHSS

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RISER DIAGRAM - MECHANICAL

M06-01

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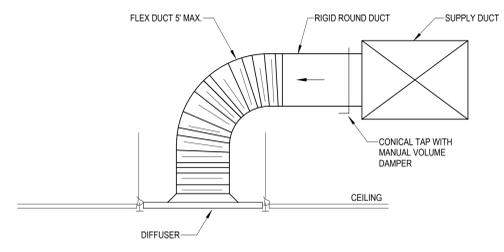
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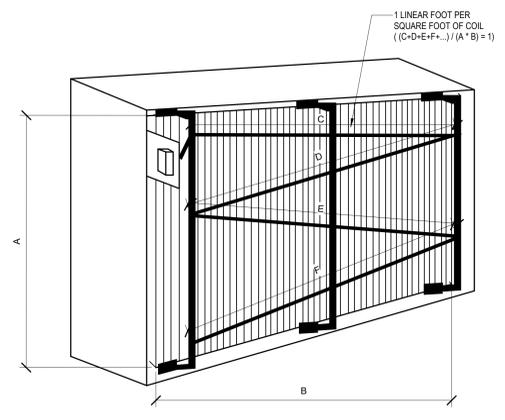
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DETAILS - MECHANICAL



GENERAL NOTE:
 A. FLEX DUCT NOT ALLOWED IN EXPOSED LOCATIONS OR IN INACCESSIBLE CONCEALED LOCATIONS.

7 DIFFUSER CONNECTION ROUND RUNOUT
 NOT TO SCALE



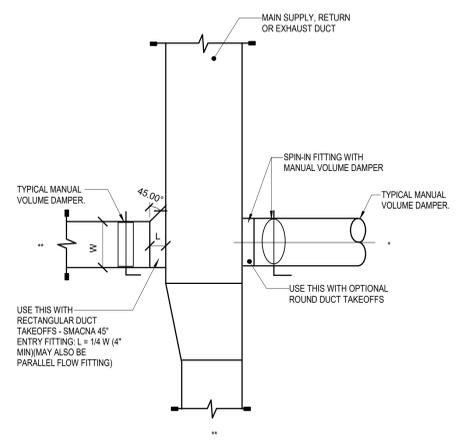
SECURE THE SENSOR ELEMENT BY PROVIDING AN ARMY TO SUPPORT THE CAPILLARY TUBE ACROSS THE FACE OF THE COIL

IF DISSIMILAR METALS ARE USED IN THIS PROCESS ENSURE THE ELEMENTS IS SECURED AND ISOLATED TO PREVENT DAMAGE TO THE CAPILLARY AT ALL JUNCTIONS.

ENSURE THE COIL IS PROPERLY COVERED BY PROVIDING 1 LINEAR FOOT FOR EACH SQUARE FOOT OF COIL AREA I.E. IF THE COIL IS 2'x4' THE TOTAL AREA IS 8 SQUARE FEET WHICH WOULD RESULT IN AN 8' CAPILLARY LENGTH PROPERLY SPACED TO PROVIDE COVERAGE.

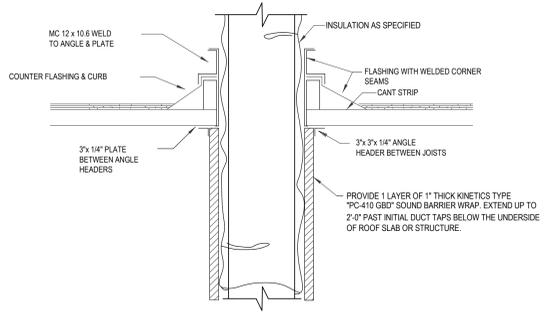
THERE SHOULD BE ADEQUATE SPACE BETWEEN THE COIL AND ELEMENT, TO ALLOW FOR COIL CLEANING WITHOUT REMOVING THE CAPILLARY TUBE.

4 MIXED AIR SENSOR INSTALLATION
 NOT TO SCALE

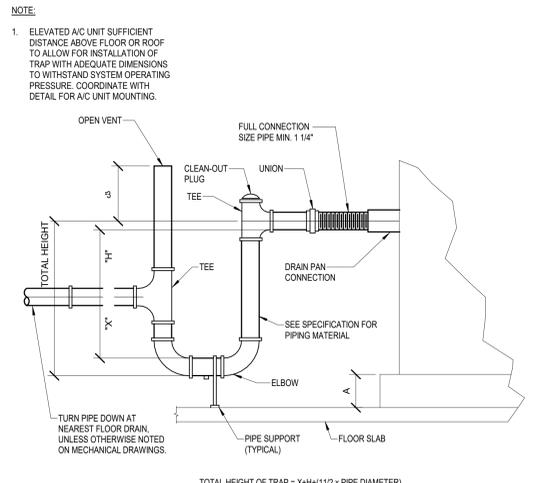


* = BRANCH TO INDIVIDUAL DIFFUSER OR GRILLE
 ** = SUBMAIN, BRANCHMAIN, OR BRANCH

2 LOW PRESSURE DUCT VOLUME DAMPER REQUIREMENTS
 NOT TO SCALE



6 DUCT THROUGH ROOF WITH SOUND LAGGING
 NOT TO SCALE

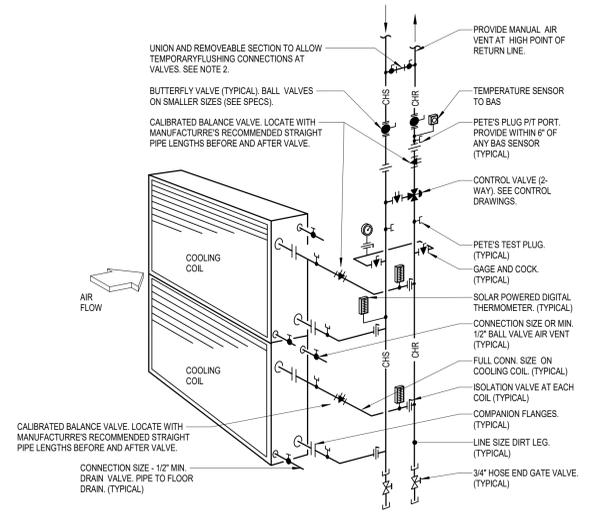


NOTE:
 1. ELEVATED A/C UNIT SUFFICIENT DISTANCE ABOVE FLOOR OR ROOF TO ALLOW FOR INSTALLATION OF TRAP WITH ADEQUATE DIMENSIONS TO WITHSTAND SYSTEM OPERATING PRESSURE. COORDINATE WITH DETAIL FOR A/C UNIT MOUNTING.

TOTAL HEIGHT OF TRAP = X+H+(1/2 x PIPE DIAMETER)

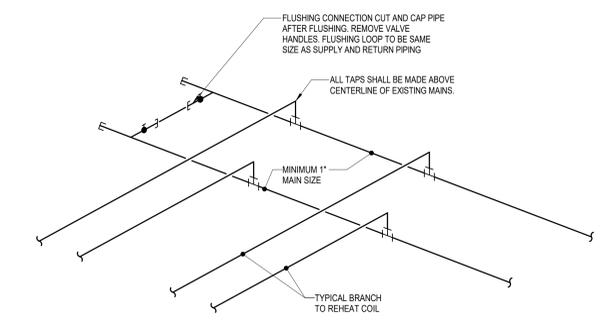
FOR DRAW THRU UNITS
 X = MIN. 1\"/>

3 COOLING COIL CONDENSATE DRAIN
 NOT TO SCALE



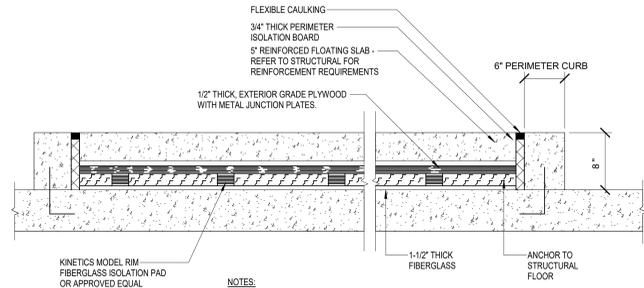
NOTES:
 1. WATER SHALL ENTER COIL ON THE AIR LEAVING SIDE. OFFSET PIPING SHOWN TO ALLOW COIL PULL ACCESS WITHOUT DISMANTLING VERTICAL RISERS
 2. PROVIDE MINIMUM 2\"/>

1 CHILLED WATER PIPING AT MULTIPLE COOLING COIL
 NOT TO SCALE

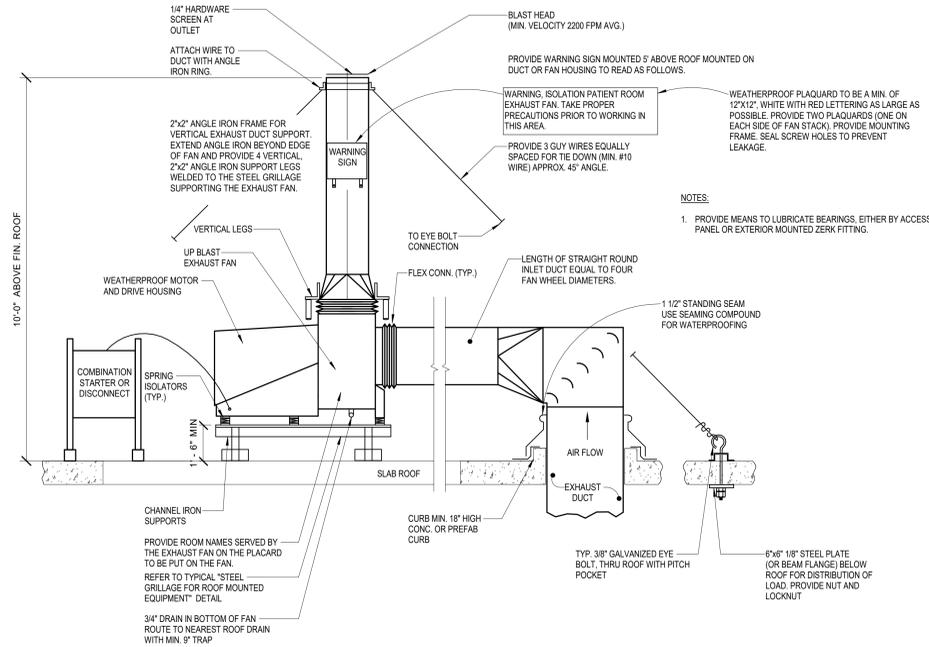


5 HVAC REHEAT HOT WATER END OF MAIN FLUSHING DETAIL
 NOT TO SCALE

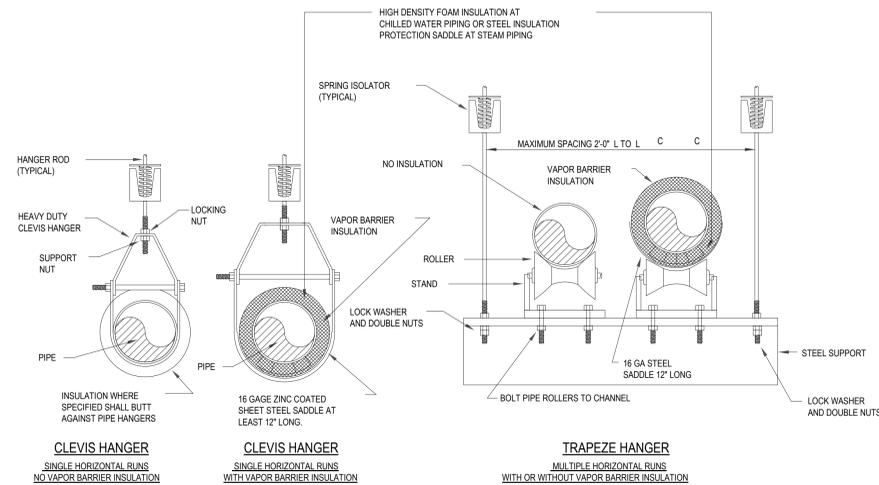
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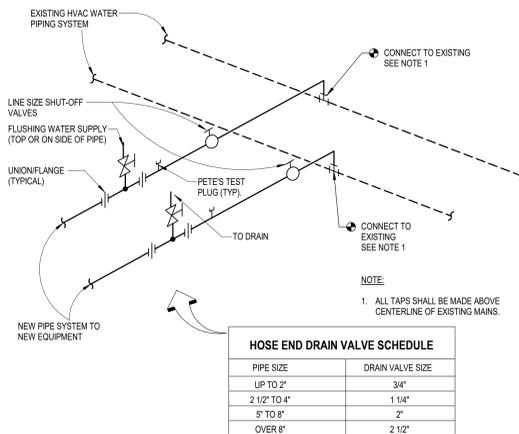
6 BASIC FLOATING EQUIPMENT PAD DETAIL
NOT TO SCALE



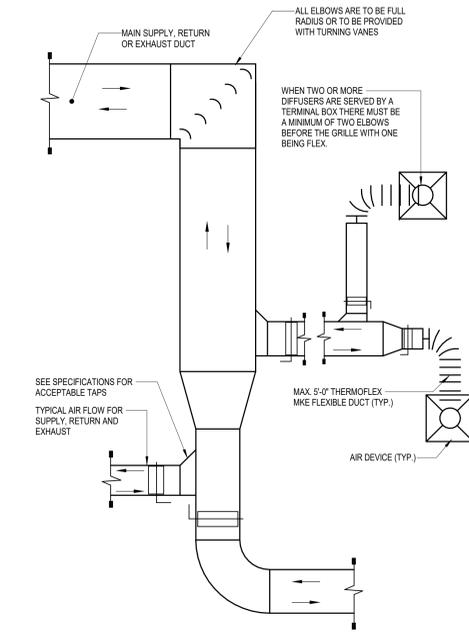
5 ROOF MOUNTED VENT SET
NOT TO SCALE



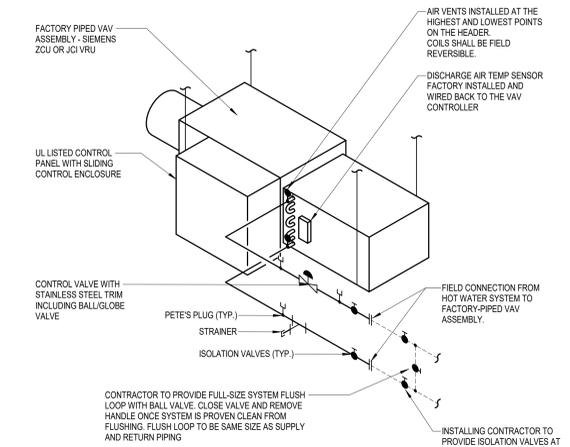
4 PIPING SUPPORT HANGERS
NOT TO SCALE



3 PIPING CONNECTION DETAIL
NOT TO SCALE



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



1 PIPING AT TERMINAL REHEAT
NOT TO SCALE

HOSE END DRAIN VALVE SCHEDULE	
PIPE SIZE	DRAIN VALVE SIZE
UP TO 2"	3/4"
2 1/2" TO 4"	1 1/4"
5" TO 8"	2"
OVER 8"	2 1/2"

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JONATHAN DICKERT
LICENSED PROFESSIONAL ENGINEER
NO. 2021039309
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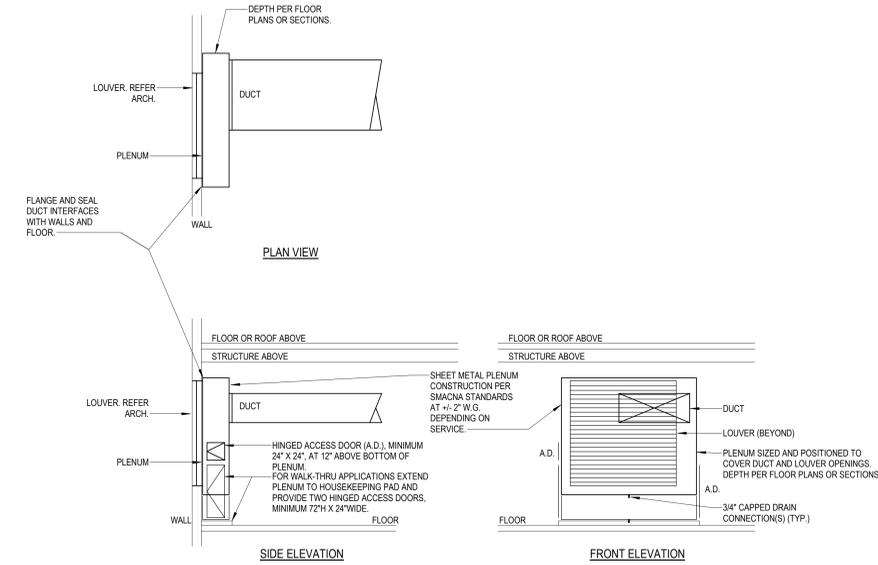
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
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DRAWN: HO
REVIEWED: JD
JOB NUMBER: U50040241.3707

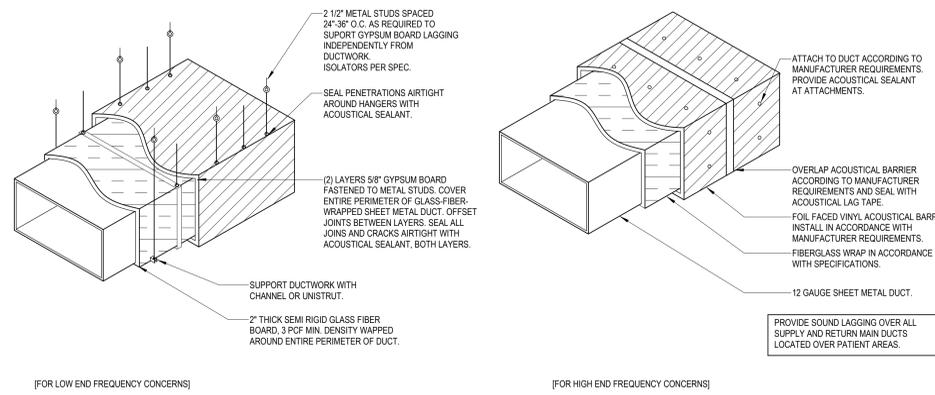
DETAILS - MECHANICAL

M07-02

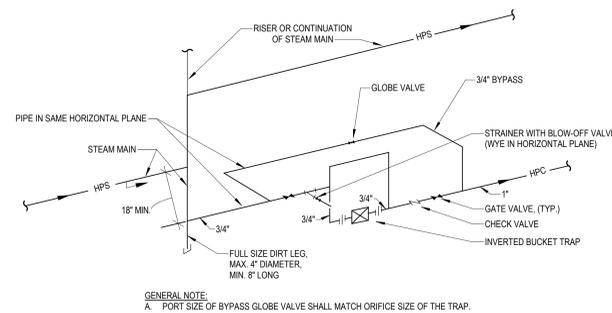
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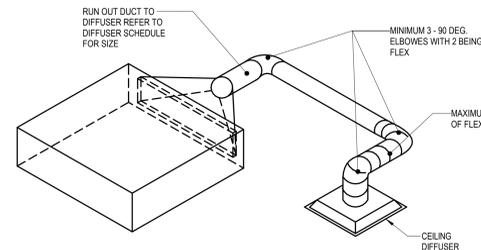
6 LOUVER WITH PLENUM AND DUCT CONNECTION NOT TO SCALE



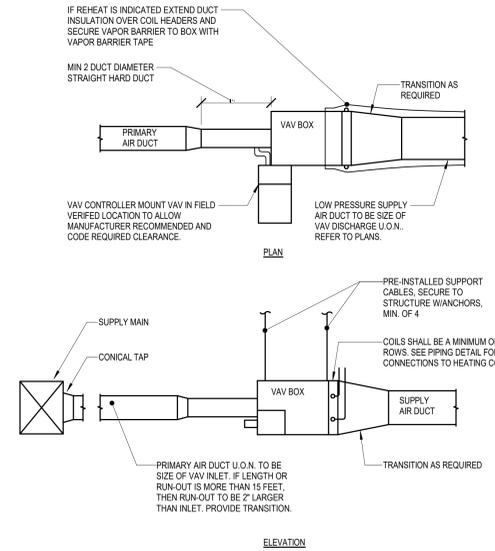
5 DUCT SOUND LAGGING DETAIL NOT TO SCALE



4 END OF MAIN DRIP HPS PIPING NOT TO SCALE

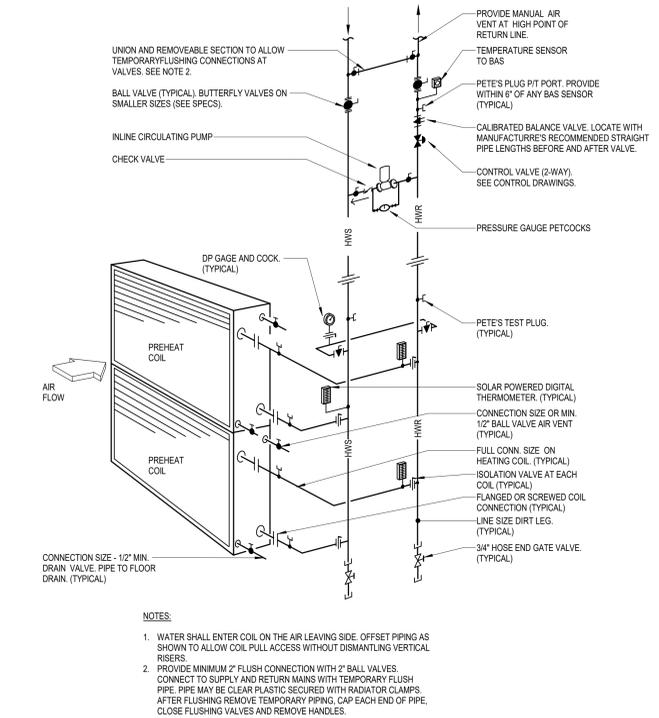


3 VAV BOX SERVING SINGLE DIFFUSER DETAIL NOT TO SCALE



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

2 VAV BOX INSTALLATION DETAIL NOT TO SCALE



- NOTES:
1. WATER SHALL ENTER COIL ON THE AIR LEAVING SIDE. OFFSET PIPING AS SHOWN TO ALLOW COIL FULL ACCESS WITHOUT DISMANTLING VERTICAL RISERS.
 2. PROVIDE MINIMUM 2" FLUSH CONNECTION WITH 2" BALL VALVES. CONNECT TO SUPPLY AND RETURN MAINS WITH TEMPORARY FLUSH PIPE. PIPE MAY BE CLEAR PLASTIC SECURED WITH RADIATOR CLAMPS. AFTER FLUSHING REMOVE TEMPORARY PIPING, CAP EACH END OF PIPE, CLOSE FLUSHING VALVES AND REMOVE HANDLES.

1 HOT WATER PIPING AT MULTIPLE PREHEAT COIL NOT TO SCALE

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SUMMIT, MO 64063

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CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400011

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
SCALE: As indicated
DRAWN: HO
REVIEWED: JD
JOB NUMBER: U50040241.3707

DETAILS - MECHANICAL

ED 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

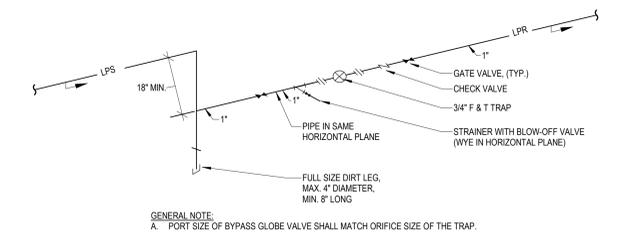
FACILITY NUMBER:
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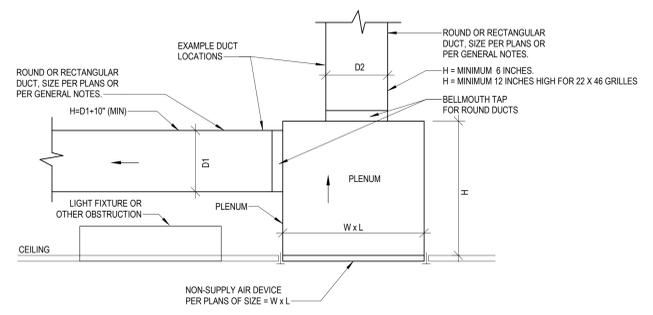
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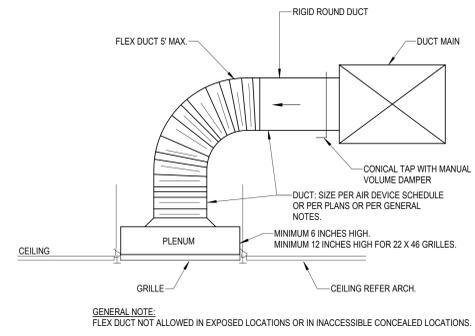
DETAILS - MECHANICAL



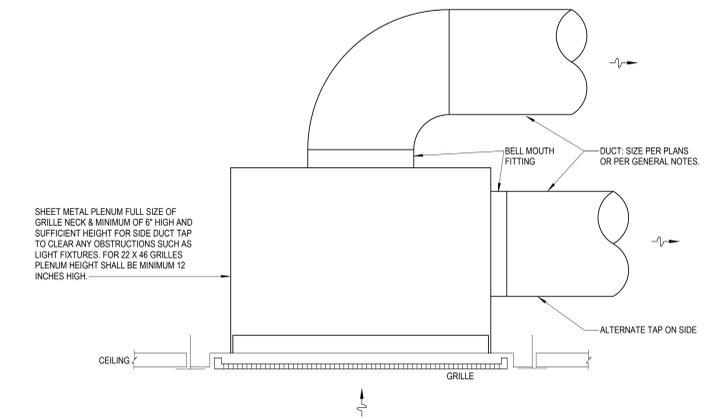
① END OF MAIN DRIP LPS PIPING
 NOT TO SCALE



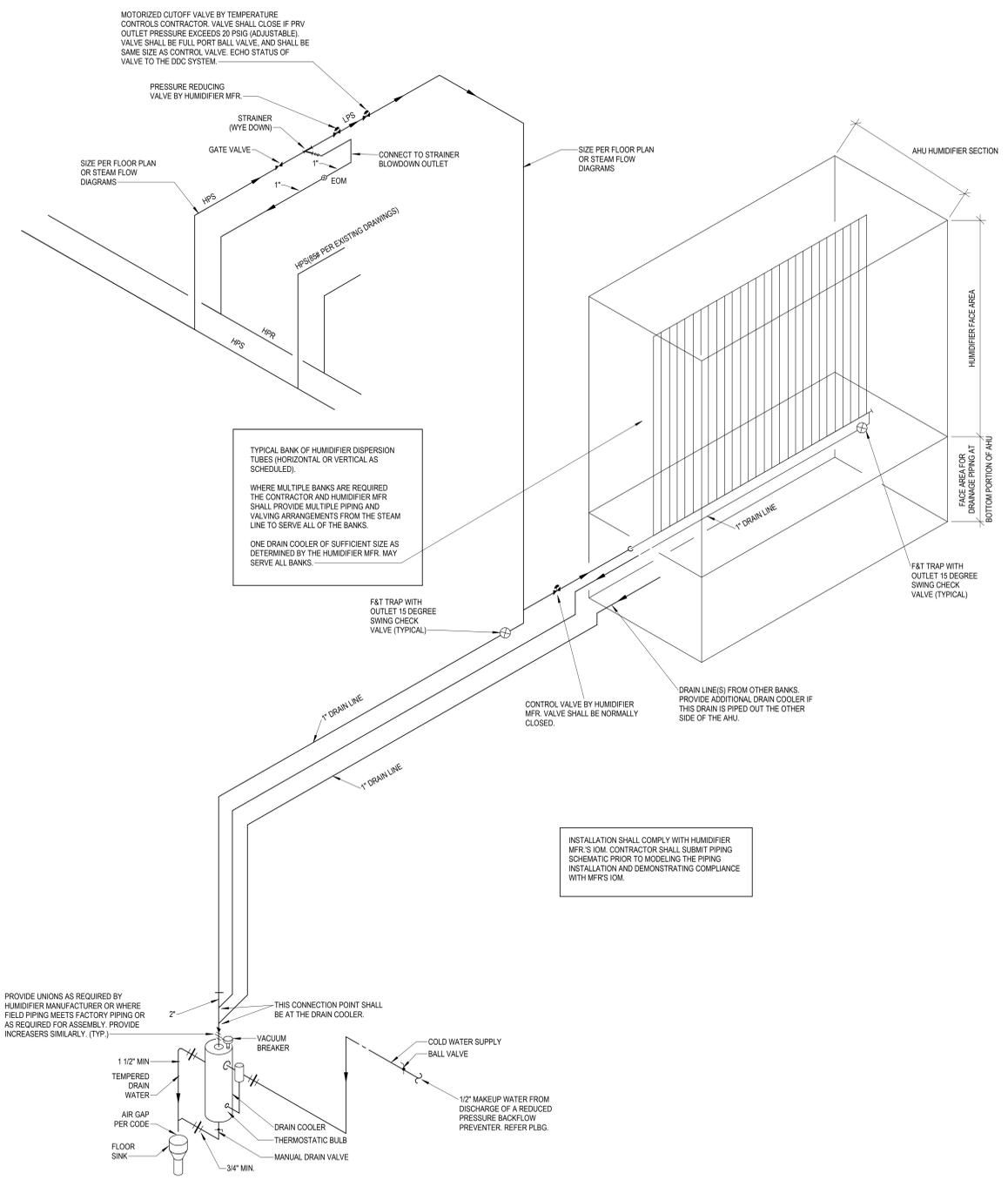
C. GRILLE RETURN OR EXHAUST CONNECTION - ROUND OR RECTANGULAR RUNOUT WITH HARD DUCT



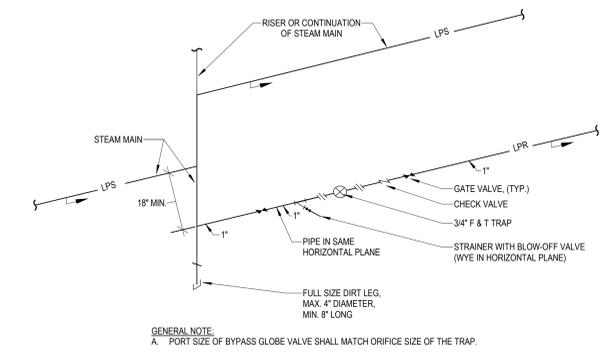
B. GRILLE RETURN OR EXHAUST CONNECTION - ROUND RUNOUT WITH FLEXIBLE DUCT



② GRILLE RETURN OR EXHAUST
 NOT TO SCALE



③ HUMIDIFIER-AHU-DIRECT STEAM-HPS TO LPS AND DRAIN COOLER
 NOT TO SCALE



① END OF MAIN DRIP LPS PIPING
 NOT TO SCALE

Autodesk Docu/1640624 - HCA - Lee's Summit Medical Center (LSMC) L1023/MEP - LSME ED Expansion: 02.23.rvt 4/22/2025 2:27:41 PM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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 PROFESSIONAL ENGINEER
 04/18/2025
 WSP USA Buildings Inc. 2013001881

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ED EXPANSION

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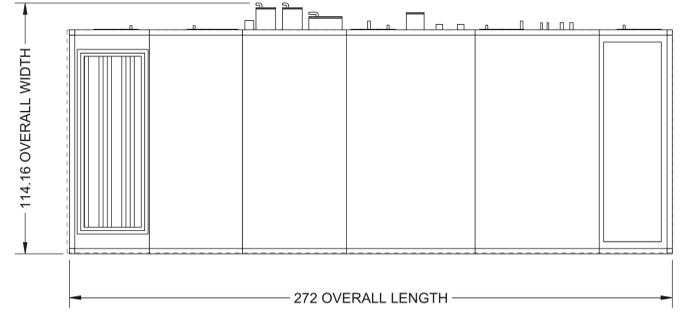
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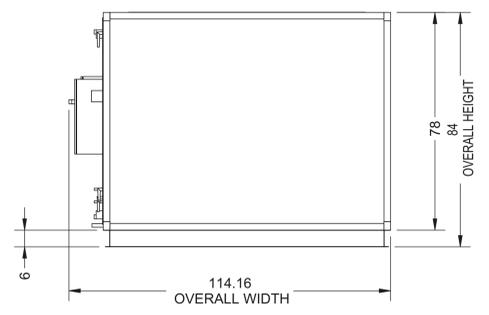
DETAILS - MECHANICAL

M07-05

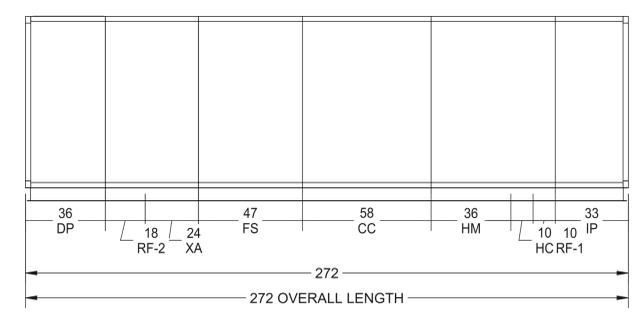
TOP [PLAN] VIEW



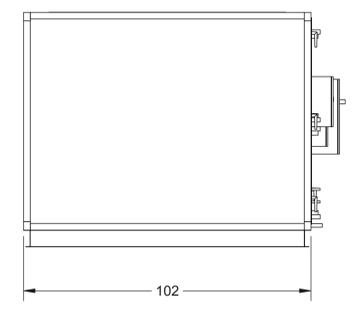
REAR VIEW



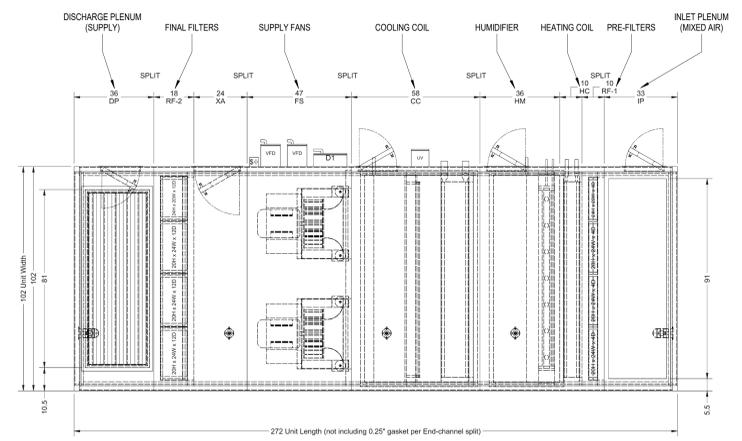
LEFT [ELEVATION] VIEW



FRONT VIEW



AHU-1 ELEVATION VIEWS



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FAN SCHEDULE

DESIGNATION	LOCATION	SERVES	BALANCED CFM	ESP (IN WG)	BHP	MAX dBA	FAN DATA			ELECTRICAL MOTOR DATA			AVAILABLE FAULT SCOR (AMPS)	APPROX. WEIGHT (LBS)	MANUF. / MODEL	NOTES
							TYPE	RPM	DRIVE	HP	VOLT / PH	STARTER				
RAF-1	MECH ROOM 2-ME1211	AHU-1	10,855	1.5	5.29	77	MIXED FLOW INLINE	1248	DIRECT	10	460 / 3	ECM	5K*	330	GREENHECK / SQ-24-VG	8,9
DEF-1	ED EXPANSION ROOF (LEVEL 2)	DECONTAM (LEVEL 1)	425	1	0.14	71	UTILITY VENT SET	1671	DIRECT	1 / 4	460 / 3	HOA	5K*	148	GREENHECK / USF-04-B7	1-7
IRF-8	ED EXPANSION ROOF (LEVEL 2)	A.I.I. EXAM 11, A.I.I. TLT (LEVEL 1)	450	1	0.14	71	UTILITY VENT SET	1672	DIRECT	1 / 4	460 / 3	HOA	5K*	148	GREENHECK / USF-04-B7	1-7

NOTES:

- PROVIDE BIRDSCREEN.
- 24" HIGH STEEL CURB, INSULATED, SLOPED BASE, LEVEL TOP.
- SCROLL DRAIN PLUG, ALL WELDED STEEL FAN HOUSING, ALL WELDED STEEL FAN WHEEL, CLEAN OUT PLATE ON FAN HOUSING, 95% SPRING RUBBER VIBRATION ISOLATORS, MOTOR & DRIVE COVER, FLANGED DUCT OUTLET.
- FAN HOUSING, 95% SPRING RUBBER VIBRATION ISOLATORS, MOTOR & DRIVE COVER, FLANGED DUCT OUTLET.
- UPBLAST DISCHARGE.
- PROVIDE FLEX CONNECTION AT FAN INLET.
- PROVIDE 10 FT EXHAUST STACK, EXHAUST SHOULD DISCHARGE 10 FT FROM THE FINISHED ROOF.
- OAM II AIRFLOW MEASUREMENT SYSTEM MANUFACTURED BY AIR MONITOR TO BE DUCT-MOUNTED IN RETURN MAIN NEAR RAF-1. 24 V. NEMA 1.
- INSTALL PER MANUFACTURER REQUIREMENTS.
- *SCOR RATING TO MEET OR EXCEED PANEL AIC RATING

VAV TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE FOR AHU-01

DESIGNATION	VAV					H.W. COIL										NOTES	
	INLET SIZE (IN)	MIN CFM	COOLING CFM	HEATING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	EAT DB °F	LAT DB °F	CAPACITY MBH	EWT °F	LWT °F	GPM	MAX WATER P.D. (FT)	MAX P.D. AIR (IN WG)	MAX N.C.		JCI MODEL
VAV 01-01	6	175	200	175	10 / 10	0.25	52	90	6.9	140	110	0.5	10	0.50	25	TSS-WC-6	1-10
VAV 01-02	6	125	150	125	10 / 10	0.25	52	90	4.9	140	110	0.3	10	0.50	25	TSS-WC-6	1-10
VAV 01-03	8	0	600	0	12 / 10	0.25	-	-	-	140	110	-	10	0.50	25	TSS-WC-8	1-5, 7-9
VAV 01-04	6	325	325	325	10 / 10	0.25	52	90	12.8	140	110	0.9	10	0.50	25	TSS-WC-6	ALL
VAV 01-05	8	0	600	0	12 / 10	0.25	-	-	-	140	110	-	10	0.50	25	TSS-WC-8	1-5, 7-9
VAV 01-06	6	75	125	75	10 / 10	0.25	52	90	3.0	140	110	0.2	10	0.50	25	TSS-WC-6	1-10
VAV 01-07	10	725	725	725	14 / 12	0.25	52	90	28.6	140	110	1.9	10	0.50	25	TSS-WC-10	1-10
VAV 01-08	8	600	600	600	12 / 10	0.25	52	90	23.6	140	110	1.6	10	0.50	25	TSS-WC-8	1-10
VAV 01-09	6	150	150	150	10 / 10	0.25	52	90	5.9	140	110	0.4	10	0.50	25	TSS-WC-6	1-10
VAV 01-10	8	400	575	400	12 / 10	0.25	52	90	15.8	140	110	1.1	10	0.50	25	TSS-WC-8	1-10
VAV 01-11	6	150	150	150	10 / 10	0.25	52	90	5.9	140	110	0.4	10	0.50	25	TSS-WC-6	1-10
VAV 01-12	6	100	275	100	10 / 10	0.25	52	90	3.9	140	110	0.3	10	0.50	25	TSS-WC-6	1-10
VAV 01-13	12	875	1,025	875	16 / 16	0.25	52	90	34.5	140	110	2.3	10	0.50	25	TSS-WC-12	1-10
VAV 01-14	6	75	200	75	10 / 10	0.25	52	90	3.0	140	110	0.2	10	0.50	25	TSS-WC-6	1-10
VAV 01-15	12	1,125	1,125	1,125	16 / 16	0.25	52	90	44.3	140	110	3.0	10	0.50	25	TSS-WC-12	1-10
VAV 01-16	6	75	210	75	10 / 10	0.25	52	90	3.0	140	110	0.2	10	0.50	25	TSS-WC-6	1-10
VAV 01-17	12	1,150	1,150	1,150	16 / 16	0.25	52	90	45.3	140	110	3.0	10	0.50	25	TSS-WC-12	1-10
VAV 01-18	6	150	275	150	10 / 10	0.25	52	90	5.9	140	110	0.4	10	0.50	25	TSS-WC-6	1-10
VAV 01-19	6	250	350	250	10 / 10	0.25	52	90	9.8	140	110	0.7	10	0.50	25	TSS-WC-6	1-10
VAV 01-20	6	125	350	125	10 / 10	0.25	52	90	4.9	140	110	0.3	10	0.50	25	TSS-WC-6	1-10
VAV 01-21	6	300	300	300	10 / 10	0.25	52	90	11.8	140	110	0.8	10	0.50	25	TSS-WC-6	1-10
VAV 01-22	8	325	525	325	12 / 10	0.25	52	90	12.8	140	110	0.9	10	0.50	25	TSS-WC-8	1-10
VAV 01-23	8	450	450	450	12 / 10	0.25	52	90	17.7	140	110	1.2	10	0.50	25	TSS-WC-8	1-10
VAV 01-24	10	450	750	450	14 / 12	0.25	52	90	17.7	140	110	1.2	10	0.50	25	TSS-WC-10	1-10
VAV 01-25	6	250	275	250	10 / 10	0.25	52	90	9.8	140	110	0.7	10	0.50	25	TSS-WC-6	1-10
VAV 01-26	8	550	550	550	12 / 10	0.25	52	90	21.7	140	110	1.4	10	0.50	25	TSS-WC-8	1-10
VAV 01-27	6	100	100	100	10 / 10	0.25	52	90	3.9	140	110	0.3	10	0.50	25	TSS-WC-6	1-10
VAV 01-28	6	300	350	300	10 / 10	0.25	52	90	11.8	140	110	0.8	10	0.50	25	TSS-WC-6	1-10
VAV 01-29	10	275	850	275	14 / 12	0.25	52	90	10.8	140	110	0.7	10	0.50	25	TSS-WC-10	1-10
TOTALS	-	9,650	13,310	9,650	-	-	-	-	380.2	-	-	25.7	-	-	-	-	-

NOTES:

- 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: 1/2" THICK 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 CONTRACTOR. PROVIDE PLENUM WHERE INDICATED ON PLANS. DIMENSIONS ARE MINIMUM. COORDINATE WITH RUNOUT SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET TO PLENUM.
- BOXES SCHEDULED WITHOUT A HEATING WATER GPM SHALL NOT HAVE HEATING COILS, UNLESS OTHERWISE INDICATED.
- CONTROLS SHALL BE FURNISHED AS 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
4.1 - 8.0 GPM
8.1 - 15.0 GPM
- PROVIDE 3-WAY VALVES FOR ALL VAVS AT END OF HW PIPING RUNS AS NOTED ON THE PIPING PLANS.

AIR HANDLING UNIT - SCHEDULE

MARK	AHU-1		
SERVES	LEVEL 1 ED		
SUPPLY FAN	CFM (AHU TOTAL SA)	17500	
	BALANCE CFM	15680	
	ESP / TSP (IN WG)	2.50/6.51	
	FAN MOTOR QTY / HP (MIN)	2 / 15 HP	
	FAN MOTOR BHP PER FAN	6.44 BHP	
	VOLTS/PHASE	460/3	
RETURN FAN	FAN WHEEL TYPE	SWJ	
	DRIVE	DIRECT	
COOLING COIL DATA	TYPE COIL	CHW	
	DESIGN CFM	17500	
	MAX. FACE VEL. (FPM)	426	
	MAX. AIR P.D. (INWG) (100 U.N.O.)	0.77	
	TOTAL / SENS / LAT (MBH) (MINIMUM)	888 / 582 / 326	
	EAT °F DBWB	80 / 67	
	LAT °F DBWB	49.3 / 49.1	
	EWT °F / LWT °F (REFERENCE)	42 / 56	
	GPM (MAXIMUM)	126.6	
	WATER PD (FT.) (MAXIMUM)	8.3	
	MINIMUM ROWS / MAXIMUM FINS PER INCH	8 / 9	
	HEATING COIL DATA	TYPE / POSITION	HW / PREHEAT
		DESIGN CFM	17500
		MAX. FACE VEL. (FPM) (AT MAX AHU CFM)	426
MAXIMUM AIR P.D. (INWG) (AT MAX AHU CFM)		0.1	
EAT °F DB / LAT °F DB (REFERENCE)		40 / 53.7	
MINIMUM MSH OUTPUT		259	
HUMIDIFIER DATA	EWT °F / LWT °F (REFERENCE)	140 / 110	
	GPM (MAXIMUM)	17.3	
	WATER PD (FT.) (MAXIMUM)	5.2	
	MINIMUM ROWS / MAXIMUM FINS PER INCH	1 / 8	
	TYPE	DIRECT INJECTION STEAM	
FIRST FILTER DATA	DESIGN CFM	17500	
	STEAM PSI	15	
	HUMIDIFICATION LOAD (LBS/HR)	191	
	EAT & RH % / LAT & RH%	50 & 34% / 50 & 65%	
FINAL FILTER DATA	ABSORPTION DISTANCE (IN)	9.72	
	OUTSIDE AIR CFM (MINIMUM)	4825	
	TYPE	4" MINI PLEAT	
	EFFICIENCY (%) (ASHRAE 52)	60% (MERV 11)	
NOTES	MAXIMUM VELOCITY (FPM)	430	
	P.D. (CLEAN/DIRTY) (INCHES W.C.)	0.40 / 0.85	
	TYPE	12" RIGID	
	EFFICIENCY (%) (ASHRAE 52)	90% (MERV 14)	
	MAXIMUM VELOCITY (FPM)	430	
	P.D. (CLEAN/DIRTY) (INCHES W.C.)	0.48 / 1.5	
MANUFACTURER / MODEL NO. (ICI)	XT1-78x102		
WEIGHT (LBS.)	9757		
UNIT NOMINAL DIMENSIONS (INCHES) WIDTH x HEIGHT x LENGTH	102x78x272		
NOTES	ALL		

NOTES (AHU's):

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

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SCHEDULES - MECHANICAL

M08-02

AIR CURTAIN SCHEDULE

DESIGNATION	MANUFACTURER / MODEL	LOCATION / SERVICE	LENGTH (IN.)	TYPE	AIRFLOW (CFM)	ELECTRIC HEATER (KW)	MOTOR QTY. & (HP)	V / PH	WEIGHT	NOTES
ARC-1	MARS / PH1072-2EEN-PW	LEVEL 1 ED WAITING ROOM ENTRY VESTIBULE	72	RECESSED, BOTTOM INLET & OUTLET	2,434	24	2 @ 1/2 HP	208 / 3	120	ALL

NOTES:

- PROVIDE THE FOLLOWING ACCESSORIES: 99-125 (INDUSTRIAL METAL SURFACE MOUNTED MAGNETIC SWITCH, 120V/1PH, NEMA 1), INS-TD (UNIT MOUNTED ADJUSTABLE TIME DELAY, 1 SEC TO 17 MIN, 24V CNTRL)
- PROVIDE WASHABLE FILTERS
- MULTIPLE FAN SPEEDS
- PROVIDE SINGLE POINT ELECTRICAL CONNECTION
- COORDINATE FINISH COLOR WITH ARCHITECT

PUMP SCHEDULE

MARK	SERVES	TYPE	GPM	TDH (FT)	MOTOR ELECTRICAL					WEIGHT (LBS)	MANUFACTURER / MODEL	NOTES
					HP	RPM	VOLT/PHASE	DRIVE	AVAILABLE FAULT (AIC)			
PHP-1	AHU-1	WET ROTOR CIRCULATOR	17.3	10	1 / 3	3600	120 / 1	HOA		14	ARMSTRONG / SERIES 4380	ALL

1. PUMP MOTOR SHALL BE NON-OVERLOADING THROUGHOUT THE FULL RANGE OF THE PUMP CURVE
 2. DISCONNECT SWITCH FURNISHED BY DIVISION 26 CONTRACTOR.

* AIC RATING SHALL MEET OR EXCEED PANEL RATING

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 / 620Z	SIDEWALL SUPPLY GRILLE / 2
S4	24"X24"	NO	WHITE	ADJ. 4-WAY	10" Ø	25	PRICE / LFD	LAMINAR FLOW SUPPLY DIFFUSER
S5	24"X24"	NO	WHITE	ADJ. 4-WAY	NOTE 1	25	PRICE / ASPD	ALUMINUM CEILING PLAQUE SUPPLY DIFFUSER
R1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / SPD	CEILING RETURN GRILLE
R2	24"X12"	NO	WHITE	-	NOTE 1	25	PRICE / 535	CEILING RETURN GRILLE
R3	SEE PLANS	NO	WHITE	-	FULL SIZE	25	PRICE / 610Z	SIDEWALL RETURN GRILLE
E1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE/SPD	CEILING EXHAUST GRILLE
E2	12"X12"	NO	WHITE	-	NOTE 1	25	PRICE/SPD	CEILING EXHAUST GRILLE
E3	24"X24"	NO	WHITE	ADJ. 4-WAY	NOTE 1	25	PRICE / ASPD	ALUMINUM CEILING EXHAUST GRILLE

GENERAL NOTES:

- CONTRACTOR TO COORDINATE FRAME STYLE WITH ARCHITECTURAL PLANS. FRAME TYPE SHALL MATCH CEILING TYPE AND MODULE DIMENSIONS.
- CONTRACTOR TO COORDINATE FINAL FINISHES WITH ARCHITECT. AIR DEVICES TO BE FACTORY PAINTED.
- NECK SIZES SHALL BE AS SCHEDULED UNLESS NOTED OTHERWISE ON PLANS.
- DUCT MOUNTED AIR DEVICES SHALL BE FLANGE MOUNTED. NO MOUNTING SCREWS SHALL BE VISIBLE EXCEPT ON EXPOSED DUCTWORK.

NOTES:

- 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
- GRILLE SHALL BE DOUBLE DEFLECTION TYPE WITH TWO SETS OF ADJUSTABLE BLADES ORIENTED PERPENDICULAR TO EACH OTHER.

SPLIT SYSTEM A/C UNIT SCHEDULE

DESIGNATION	AC-1	
LOCATION	LEVEL 01	
SERVICE	IT	
INDOOR UNIT DATA	SUPPLY CFM	1095
	EXT. S.P. (W/G)	-
	VOLTS / PH	208 / 1
	MCA	-
	MOCP	-
COOLING DATA	DIMENSIONS (WxHxD) (IN)	47 1/4"X14 23/32"X10 7/16"
	WEIGHT (LBS)	41
	EAT / DBWB	80 / 67
	SENS. HEAT (BTUH)	34,000
CONDENSING UNIT DESIGNATION	ACCU-1	
	VOLTS / PH	208 / 1
CU DATA	MCA	23
	MOCP	30
	DIMENSIONS (WxHxD) (IN)	37 13/32"X32 3/4"X13"
	WEIGHT (LBS)	148
SCCR (AMPS)	-	
MANUFACTURER	LG	
INDOOR FAN COIL MODEL NO.	KNSAP361A	
CONDENSING UNIT MODEL NO.	KUSAP361A	

NOTES:

- CAPACITY AT 105°F O.A.T.
- 20 MINIMUM SEER2 RATING. 10.0 MINIMUM EER2 RATING.
- CONTRACTOR SHALL PROVIDE AND INSTALL FACTORY POWERED CONTROLS AND CONTROL TRANSFORMER
- PROVIDE ELECTRONIC ALTERNATOR AND FLOAT SWITCHES.
- FACTORY WIRED SINGLE POINT CONNECTION
- ELECTRICAL CONTRACTOR TO CONNECT EXTERIOR UNIT TO INTERIOR UNIT.
- R-32 REFRIGERANT.
- PROVIDE SEPARATELY POWERED REFCO COMBI CONDENSATE PUMP AT 120V. PART #3004046.
 *SCCR RATING TO MEET OR EXCEED PANEL AIC RATING

4/27/2025 2:27:48 PM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_rv23(MEP)_LSMC ED Expansion_02.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

A. SUPPLEMENTAL GENERAL CONDITIONS

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

B. ELECTRICAL EQUIPMENT

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

C. SITE WORK

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

D. CONDUIT & RACEWAY

- ALL WORK SHALL BE COORDINATED SO THAT INTERFERENCES ARE AVOIDED. PROVIDE ALL NECESSARY OFFSETS IN CONDUITS, RACEWAYS, ETC. REQUIRED TO PROPERLY INSTALL THE WORK. EXPOSED WORK MUST BE KEPT AS CLOSE AS POSSIBLE TO THE STRUCTURE. CONDUITS SHALL BE CLEARLY IDENTIFIED AND SEPARATELY SUBMITTED WITH A FORMAL SUBSTITUTION REQUEST. REFER TO SPECIFICATIONS (PROJECT MANUAL) FOR REQUIREMENTS.
- CONDUIT RUNS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NFPA 70 AND FOR COORDINATION WITH OTHER DISCIPLINES.
- PENETRATIONS OF WALLS, FLOORS, AND ROOFS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF WORK. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF, AND FIRE PROOF INTEGRITY OF THE WALL, FLOOR, OR ROOF SYSTEM PENETRATED. SEAL ALL CONDUITS THAT PENETRATE THE BASEMENT FLOOR SLAB TO MAKE THEM WATER TIGHT. THE CONDUITS SHALL BE DRIED PRIOR TO INSTALLATION OF WIRE CABLE AND SHALL BE SEALED AT TERMINATIONS.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE MADE IN ACCORDANCE WITH U.L. "FIRE RESISTANCE DIRECTORY". PENETRATIONS SHALL BE SLEAVED AND SEALED WITH A UL APPROVED FIRE RATED SEALANT. REFER TO FIRE RATED WALLS.
- ALL EMPTY CONDUIT SYSTEMS SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.

E. BRANCH CIRCUITS AND FEEDERS

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

F. WIRING DEVICES

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

G. LIGHTING SYSTEM

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

H. MECHANICAL & PLUMBING COORDINATION

- REFERENCE THE MECHANICAL AND PLUMBING DRAWINGS FOR ALL EQUIPMENT NEEDING ELECTRICAL CONNECTIONS. MAKE ALL CONNECTIONS AND PROVIDE APPROPRIATE WIRE, CONDUIT, AND OVERCURRENT PROTECTION FOR ALL EQUIPMENT.
- VERIFY EXACT LOCATION OF ALL POWER CONNECTIONS AND CONTROL DEVICES WITH OTHER TRADES AND MANUFACTURERS SHOP DRAWINGS BEFORE CONSTRUCTION. COORDINATE ALL REQUIRED ENERGY MANAGEMENT SYSTEM POINTS AND CONTACT CONNECTIONS TO ENSURE THE COMPLETE AND PROPER OPERATION OF ALL SYSTEMS.
- ALL FUSED SWITCH AND/OR CIRCUIT BREAKERS SERVING EQUIPMENT SHALL HAVE PROVISIONS FOR HANDLE LOCKS.
- ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BEAR AN HACR RATING.
- ALL DISCONNECTS DOWN STREAM OF VFDs SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN UPSTREAM VFD WHEN SWITCH IS OPENED.
- COORDINATE BETWEEN TRADES AND PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC, AS REQUIRED TO ENSURE A COMPLETE, FULLY FUNCTIONAL HVAC SYSTEM. SHOULD AN EXACT CIRCUIT NUMBER NOT BE SPECIFIED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL UTILIZE AVAILABLE 20A-IP SPACE FROM THE NEAREST 208V/120V PANEL OR FROM BUILDING CONTROL POWER DISTRIBUTION SYSTEM.

I. SPECIAL SYSTEMS (i.e. DATA/PHONE/SECURITY/CATV)

- CONTRACTOR SHALL PROVIDE AND INSTALL AN EMPTIED CONDUIT RACEWAY SYSTEM FOR SPECIAL SYSTEM. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN VENDOR SHOP DRAWINGS FROM THE VENDOR/INSTALL PRIOR TO ELECTRICAL ROUGH-IN. CONTRACTOR SHALL COORDINATE, PROVIDE AND INSTALL ALL REQUIRED RACEWAYS AND DEVICE BACK BOXES AS REQUIRED BY VENDOR SHOP DRAWINGS. CONTRACTOR TO PROVIDE A LINE ITEM ALLOWANCE IN BID AS NECESSARY TO COVER THIS SCOPE. REFER TO T SERIES AND AV SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.

1. DEMO GENERAL NOTES

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

FIRE ALARM SYSTEM

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

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

PROJECT DESIGN CRITERIA

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

ELECTRICAL ABBREVIATIONS

AF	ABOVE FINISHED COUNTER	MH	MANHOLE
AF	ABOVE FINISHED FLOOR	MLD	MAN LUGS ONLY
AHJ	AUTHORITY HAVING JURISDICTION	MTD	MOUNT OR MOUNTED
AUT	AUTOMATIC TRANSFER SWITCH	N	NEW DEVICE
BFC	BELOW FINISHED CEILING	NF	NON-USED
BOF	BOTTOM OF FIXTURE	NC (N.C.)	NORMALLY CLOSED
CON	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CB	CIRCUIT BREAKER	NF	NOT USED
CBR	CIRCUIT BREAKER	NI	NOT IN CONTRACT
CKT	CIRCUIT	NIGHT	NIGHT LIGHT
CCTV	CLOSED CIRCUIT T.V.	NO (N.O.)	NORMALLY OPEN
CLG	CEILING	PB	PULL BOX
CR	CRITICAL (EMERGENCY SYSTEM)	PLG/MLD	PLUG/MOLD
CH	CABINET/THEATER	PNL	PANEL
EC	EMPTY CONDUIT	PWR	POWER
ELEC	ELECTRIC	REL	RELOCATED DEVICE
EM	EMERGENCY	ROF(T)S	RECEPTACLE(S)
EMS	ENERGY MANAGEMENT SYSTEM	REF	REFRIGERATOR
EP	EXPLOSION PROOF	RF	RETURN AIR FAN
EW	ELECTRIC WATER COOLER	SEF	SMOKE EXHAUST FAN
EX	EXISTING	SF	SUPPLY AIR FAN
F	FUSE	SO (S.O.)	SPACE ONLY
FA	FIRE ALARM	SP	SPARE
FACP	FIRE ALARM CONTROL PANEL	ST (S.T.)	SHUNT TRIP
FCU	FAN COIL UNIT	SW	SWITCH
FIXT	FIXTURE	TEL	TELEPHONE
FLR	FLOOR	TRF	TRANSFER FAN
FLUOR	FLUORESCENT	TP	TAMPER PROOF
FIP, FTS OR FTU	FAN TERMINAL UNIT	TV	TELEVISION
FUT	FUTURE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
G	GROUND (EQUIPMENT)	UF	UNDERGROUND
G, GND	GENERAL EXHAUST FAN	UFG	UNDERGROUND
GEF	GENERATOR	UH	UNIT HEATER
GFCI, GFI	GROUND FAULT CIRCUIT INTERRUPTER	UNO (U.N.O.)	UNLESS NOTED OR INDICATED OTHERWISE
HP	HIGH VOLTAGE	V	VOLTAGE
HV	HEAT TRACE	VFD	VARIABLE FREQUENCY DRIVE
HWAT	HEAT TRACING CAPACITY	VP	VAPOR PROOF
IC	INCANDESCENT	W	WIRE
IG	ISOLATED GROUND	W	WIRE GUARD
IGF	ISOLATED GROUND INDICATION ONLY	WG	WEATHER PROOF
JB	JUNCTION BOX	WT	WATER TIGHT
KEF	KITCHEN EXHAUST FAN	WV	WIRE VENT
LTS	LIGHTING	WP	WEATHER PROOF
LC	LOW VOLTAGE	XCR	TRANSFORMER MOUNTING
LV	LOW VOLTAGE	XFR	TRANSFORMER
MAV	MASTER ANTENNA	XFR	TRANSFORMER
MCB	MAIN CIRCUIT BREAKER	XFR	TRANSFORMER
MCC	MOTOR CONTROL CENTER	XFR	TRANSFORMER
MDC	MAIN DISTRIBUTION PANEL		

FIRE ALARM SYMBOLS LEGEND

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

ONE-LINE DIAGRAM & RISER SYMBOLS LEGEND

[Symbol]	AUTOMATIC / MANUAL TRANSFER SWITCH - PROGRAMMED OR DELTAI TRANSITION	[Symbol]	AUTOMATIC / MANUAL TRANSFER SWITCH - BYPASS ISOLATION
[Symbol]	DISCONNECT AMPS / FUSE / POLES	[Symbol]	FEDDER TAG. REFER TO FEDDER SCHEDULE FOR NUMBER AND SIZE OF CONDUCTORS AND CONDUIT. A-ALUMINUM C-COPPER
[Symbol]	MOTOR	[Symbol]	GROUNDING ELECTRODE
[Symbol]	BRANCH CIRCUIT	[Symbol]	TRANSFORMER
[Symbol]	BOLT ON CIRCUIT BREAKER	[Symbol]	AT = TRIP RATING
[Symbol]	LONG TIME SETTING	[Symbol]	AT = TRIP RATING
[Symbol]	SHORT TIME SETTING	[Symbol]	AF = FRAME SIZE
[Symbol]	INSTANTANEOUS SETTING	[Symbol]	DRAW OUT CIRCUIT BREAKER
[Symbol]	GROUND FAULT SETTING	[Symbol]	
[Symbol]	INDICATION GROUND FAULT (GROUND FAULT ALARM ONLY)	[Symbol]	

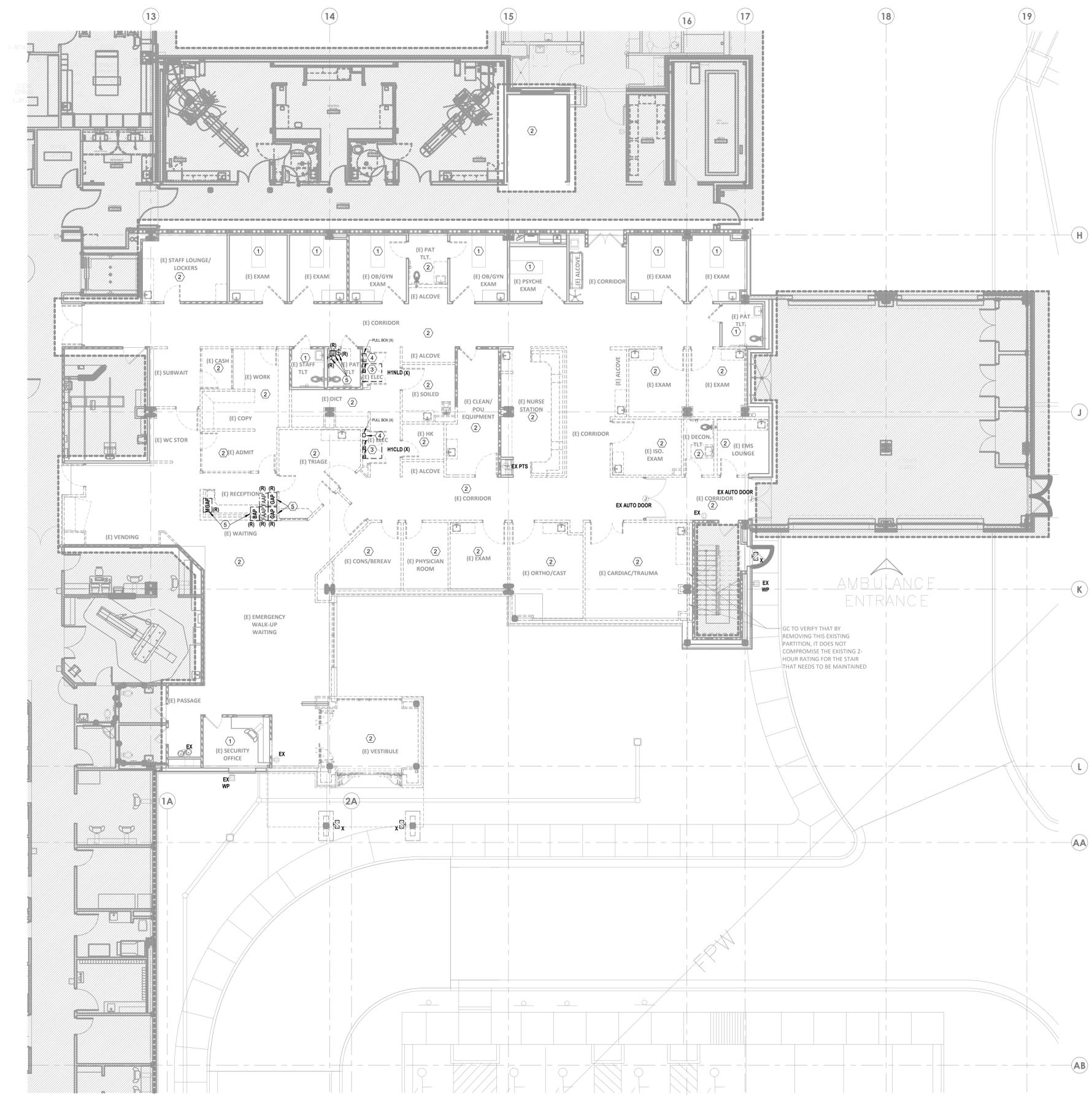
LIGHTING CONTROLS SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
[Symbol]	# IN DIAMOND REFERS TO LIGHTING CONTROLS REQUIREMENTS AND SEQUENCE OF OPERATIONS SCHEDULE.	
[Symbol]	WALL SWITCH SPST, 20A, 120/277V	48" AFF
[Symbol]	3-WAY WALL SWITCH, 20A, 120/277V	48" AFF
[Symbol]	WALL DIMMER SWITCH, 20A, 120/277V	48" AFF
[Symbol]	3-WAY WALL DIMMER SWITCH, 20A, 120/277V	48" AFF
[Symbol]	OCCUPANCY SENSOR WALL SWITCH, 20A, 120/277V, AUTO 'ON' TO 100%, AUTO 'OFF'	48" AFF
[Symbol]	B-LEVEL OCCUPANCY SENSOR DIMMING WALL SWITCH, 20A, 120/277V, AUTO 'ON' TO 50%, MANUAL 'ON' TO 100%, AUTO 'OFF', WITH RAISE/LOWER	48" AFF
[Symbol]	1 ZONE, LOW VOLTAGE SWITCH, ON/OFF	48" AFF
[Symbol]	1 ZONE, LOW VOLTAGE DIMMING SWITCH, ON/OFF WITH RAISE/LOWER BUTTONS	48" AFF
[Symbol]	2 ZONE, LOW VOLTAGE SWITCH, SEPARATE ON/OFF BUTTONS FOR EACH ZONE	48" AFF
[Symbol]	2 ZONE, LOW VOLTAGE DIMMING SWITCH, ON/OFF WITH RAISE/LOWER BUTTONS, SEPARATE BUTTONS PROVIDED FOR EACH ZONE	48" AFF

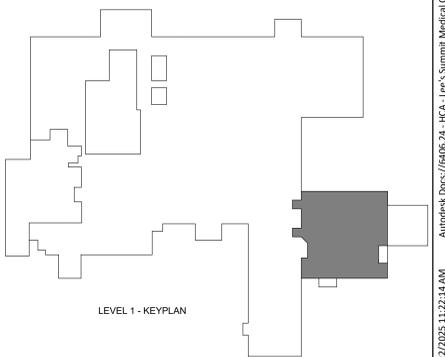
- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR TYPICAL MOUNTING HEIGHTS. WHERE MOUNTING HEIGHT IS NOT INDICATED BY ARCHITECT, PROVIDE AT 48" AFF.
 - ANY SINGLE LOW VOLTAGE WALL STATION CONTROLLING BOTH A NORMAL LIGHTING CIRCUIT AND EMERGENCY LIGHTING CIRCUIT SHALL BE PROVIDED WITH DIFFERENT COLOR BUTTONS (NORMAL - WHITE, EMERGENCY-RED). REFER TO SPECIFICATIONS FOR MORE INFORMATION.

POWER SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MNTG. HT. UNO
[Symbol]	SINGLE RECEPTACLE - 20A/125V/2P/3W/IG NEMA 5-20R	18" AFF
[Symbol]	DUPLEX RECEPTACLE - 20A/125V/2P/3W/IG NEMA 5-20R	18" AFF
[Symbol]	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	18" AFF
[Symbol]	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/IG NEMA 5-20R	18" AFF
[Symbol]	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP GFCI - 20A/125V/2P/3W/IG NEMA 5-20R	8" AFC OR 42" AFF
[Symbol]	DUPLEX RECEPTACLE MOUNTED HORIZONTALLY	18" AFF
[Symbol]	DUPLEX RECEPTACLE GFCI, TAMPER RESISTANT, WEATHER RESISTANT, HOUSED IN A "WEATHERPROOF-WHILE-IN-USE" ENCLOSURE - 20A/125V/2P/3W/IG NEMA 5-20R	18" AFF
[Symbol]	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP	8" AFC OR 42" AFF
[Symbol]	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP ON EMERGENCY CIRCUIT	8" AFC OR 42" AFF
[Symbol]	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP GFCI - 20A/125V/2P/3W/IG NEMA 5-20R ON EMERGENCY CIRCUIT	8" AFC OR 42" AFF
[Symbol]	QUADRAPLEX RECEPTACLE (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	18" AFF
[Symbol]	QUADRAPLEX RECEPTACLE ON EMERGENCY CIRCUIT (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	18" AFF
[Symbol]	QUADRAPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	8" AFC OR 42" AFF
[Symbol]	QUADRAPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP ON EMERGENCY CIRCUIT (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	8" AFC OR 42" AFF
[Symbol]	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)	18" AFF
[Symbol]	FLOOR MOUNTED RECEPTACLE IN FLOOR BOX OR POKE-THRU DEVICE - FLUSH MOUNTED, UNO	FLUSH W/ FLR SURFACE
[Symbol]	CEILING MOUNTED RECEPTACLE - CONFIGURATION UNO	FLUSH W/ CLG SURFACE
[Symbol]	JUNCTION BOX - SIZE & MOUNTING AS REQUIRED	AS REQUIRED
[Symbol]	WALL MOUNTED JUNCTION BOX FOR DATA/TELEPHONE - SIZE & MOUNTING AS REQUIRED	AS REQUIRED
[Symbol]	POWER POLE	--
[Symbol]	PLUG/MOLD	AS REQUIRED
[Symbol]	DISCONNECT SWITCH (X=FRAME SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES)	AS REQUIRED
[Symbol]	DISCONNECT SWITCH NON-FUSED (X=FRAME SIZE, Z=NUMBER OF POLES)	AS REQUIRED
[Symbol]	ENCLOSED CIRCUIT BREAKER (X=TRIP RATING, Z=NUMBER OF POLES)	AS REQUIRED
[Symbol]	MOTOR STARTER FVNB UNO (#=NEMA SIZE)	AS REQUIRED
[Symbol]	COMBINATION MOTOR CONTROLLER / DISCONNECT SWITCH	AS REQUIRED
[Symbol]	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD AND PILOT LIGHT	AS REQUIRED
[Symbol]	EMERGENCY POWER OFF BUTTON - WALL MOUNTED	AS REQUIRED
[Symbol]	CIRCUIT CONDUCTOR INDICATION (EQUIPMENT GROUND, NEUTRAL, PHASE)	--
[Symbol]	CIRCUIT HOMERUN TO PANELBOARD (2#12, 1#12G, 3#12, 3#12, 20A/1P CB UNO)	--



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



GENERAL DEMO NOTES

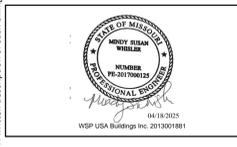
- A. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR DEMOLITION REQUIREMENTS.
- B. REFER TO E00-00 FOR ADDITIONAL DEMOLITION NOTES.
- C. WHERE WALLS ARE BEING DEMOLISHED DOWN TO STUDS, REMOVE ALL ELECTRICAL DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS CONTAINED THEREIN UNLESS NOTED OTHERWISE.
- D. WHERE ENTIRE CIRCUIT IS REMOVED, CIRCUIT SHALL BE DEMOLISHED BACK TO POINT OF ORIGINATION. TURN THE CIRCUIT BREAKER OFF AND LABEL AS "SPARE".
- E. ENERGIZE ALL EXISTING DEVICES THAT WERE INTERRUPTED DURING DEMOLITION.
- F. WHERE REMOVAL OF DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS EFFECTS OTHER DEVICES, RECONNECT OR PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO ASSURE THAT DEVICES IN ADJACENT AREAS AFFECTED BY THE RENOVATION REMAIN COMPLETELY OPERATIONAL.

LEGEND NOTES

- 1 ALL EXISTING ELECTRICAL CONDUIT, CONDUCTORS, AND DEVICES SERVING THIS SPACE ARE TO REMAIN UNLESS NOTED OTHERWISE.
- 2 EXISTING POWER DEVICES, FIRE ALARM DEVICES, AND LIGHTING FIXTURES IN THIS ROOM/AREA TO BE DEMOLISHED, UNLESS NOTED OTHERWISE.
- 3 EXISTING PANELBOARD TO BE DEMOLISHED. REMOVE UNDERGROUND CONDUCTORS, CUT, AND CAP CONDUIT FOR ABANDON IN PLACE. RUN NEW CONDUIT AND CONDUCTORS FOR FEEDERS ABOVE CEILING TO NEW PANEL LOCATION. EXISTING TO REMAIN BRANCH CIRCUITS TO BE INTERCEPTED ABOVE CEILING. EXTEND AND RECONNECT CONDUIT AND CONDUCTORS TO NEW PANEL LOCATION.
- 4 FIELD INVESTIGATE AND TRACE CONDUCTORS. REMOVE UNDERGROUND CONDUCTORS, CUT, AND CAP CONDUIT FOR ABANDON IN PLACE. RUN NEW CONDUIT AND CONDUCTORS FOR FEEDERS ABOVE CEILING TO NEW PANEL LOCATION. EXISTING TO REMAIN BRANCH CIRCUITS TO BE INTERCEPTED ABOVE CEILING. EXTEND AND RECONNECT CONDUIT AND CONDUCTORS TO NEW PANEL LOCATION.
- 5 RELOCATE EXISTING DEVICES. REFER TO E02-01 AND E03-01 FOR NEW LOCATION.

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ED 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

FACILITY NUMBER:
097240011

AGENCY APPROVALS:
AGENCY

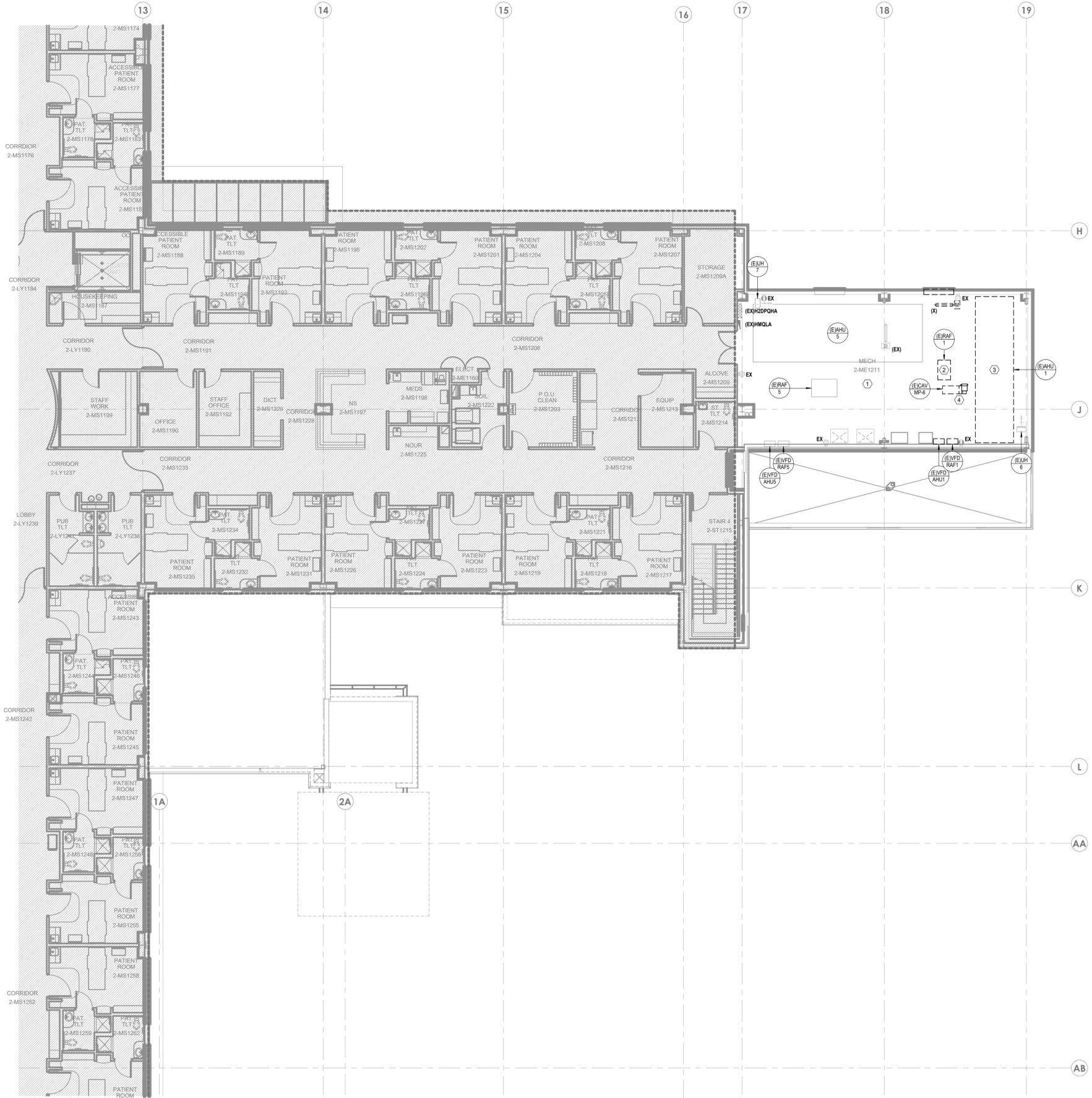
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/16/25
SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: U50040241.3707

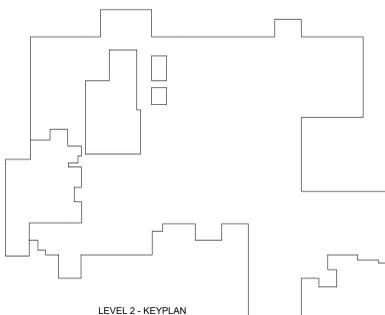
DEMOLITION PLAN - LEVEL 01 - POWER

ED02-01

4/27/2025 11:22:44 AM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LV23/MEP-LSMCE ED Expansion_R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



1 DEMOLITION PLAN - LEVEL 02 - POWER
1/8" = 1'-0"



GENERAL DEMO NOTES

- A. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR DEMOLITION REQUIREMENTS.
- B. REFER TO E02-00 FOR ADDITIONAL DEMOLITION NOTES.
- C. WHERE WALLS ARE BEING DEMOLISHED DOWN TO STUDS, REMOVE ALL ELECTRICAL DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS CONTAINED THEREIN UNLESS NOTED OTHERWISE.
- D. WHERE ENTIRE CIRCUIT IS REMOVED, CIRCUIT SHALL BE DEMOLISHED BACK TO POINT OF ORIGINATION. TURN THE CIRCUIT BREAKER OFF AND LABEL AS "SPARE".
- E. ENERGIZE ALL EXISTING DEVICES THAT WERE INTERRUPTED DURING DEMOLITION.
- F. WHERE REMOVAL OF DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS EFFECTS OTHER DEVICES, RECONNECT OR PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO ASSURE THAT DEVICES IN ADJACENT AREAS AFFECTED BY THE RENOVATION REMAIN COMPLETELY OPERATIONAL.

LEGEND NOTES

- 1 ALL EXISTING ELECTRICAL CONDUIT, CONDUCTORS, AND DEVICES SERVING THIS SPACE ARE TO REMAIN UNLESS NOTED OTHERWISE.
- 2 EXISTING RETURN FAN IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTERS(S), DISCONNECT(S), AND ALL WIRING/CONDUCTORS, RACEWAYS, AND SUPPORT(S) TO BE REMOVED BACK TO THE SOURCE. DISCONNECT THE CONDUCTORS FROM THE CIRCUIT BREAKER AND LABEL AS A SPARE.
- 3 EXISTING AIR HANDLING UNIT IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTERS(S), DISCONNECT(S), AND ALL WIRING (CONDUCTORS, RACEWAYS, AND SUPPORTS) TO BE REMOVED BACK TO THE SOURCE. DISCONNECT THE CONDUCTORS FROM THE CIRCUIT BREAKER AND LABEL AS A SPARE.
- 4 EXISTING CAV IS BEING REMOVED IN DEMOLITION SCOPE. PROTECT CIRCUIT AND PREPARE TO REUSE AS INDICATED ON SHEET E02-02.

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ED EXPANSION

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2100 SE BLUE PKWY LEE'S
SUMMIT, MO 64063

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

FACILITY NUMBER:
0972400011

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: U50040241.3707

DEMOLITION PLAN - LEVEL 02 - POWER

ED02-02

4/27/2025 11:22:15 AM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LV23/MEP - LSME ED Expansion: R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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ED EXPANSION

HCA - LEE'S SUMMIT MEDICAL CENTER
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 SUMMIT, MO 64063

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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: As indicated
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 01 -
 OVERALL

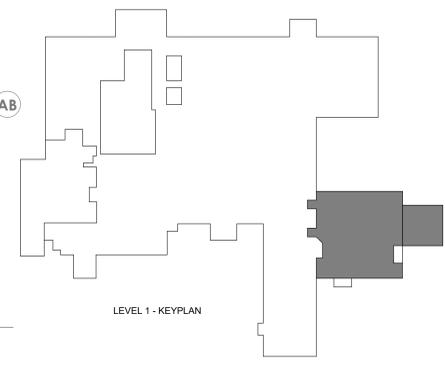
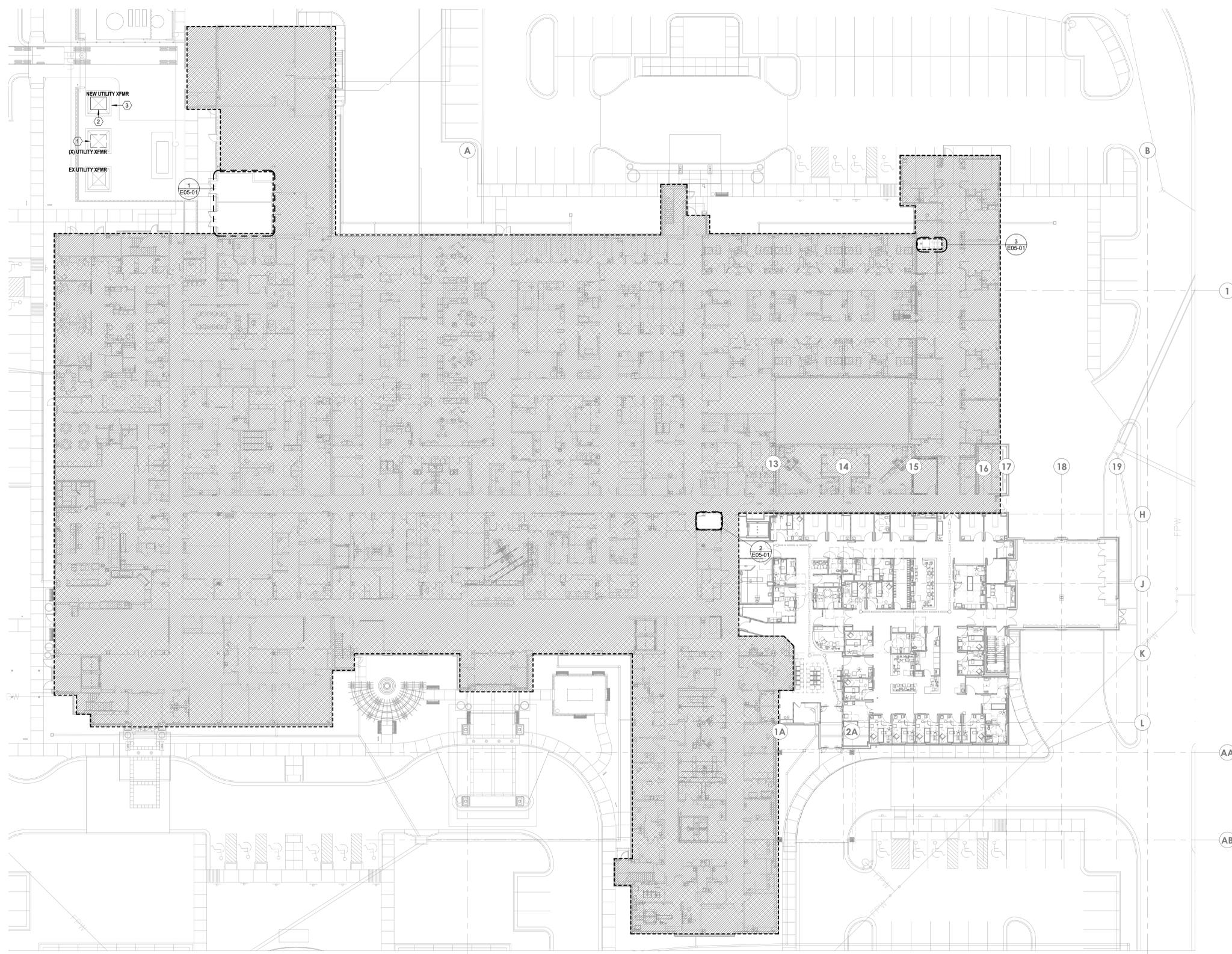
E02-00

GENERAL NOTES

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

LEGEND NOTES

- 1 EXISTING 1500KVA UTILITY TRANSFORMER TO BE DEMOLISHED.
- 2 EXTEND AND RECONNECT FEEDERS TO NEW UTILITY TRANSFORMER, COORDINATE NEW UTILITY TRANSFORMER REQUIREMENTS AND LOCATION WITH UTILITY COMPANY
- 3 HOUSEKEEPING PAD FOR ELECTRICAL EQUIPMENT. REFER TO ARCHITECTURAL AND STRUCTURAL SHEETS AND DETAILS FOR ADDITIONAL INFORMATION.



1 OVERALL FLOOR PLAN - LEVEL 01 - POWER
 1" = 20'-0"

4/27/2025 11:22:19 AM Autodesk Docs://640624-HCA-LEE'S Summit Medical Center (LSMCL_VY23)MEP-LSMCE ED Expansion_R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

ED EXPANSION

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 2100 SE BLUE PKWY LEE'S
 SUMMIT, MO 64063

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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REV #	REVISIONS	DATE
B	DESIGN COORDINATION	2025/06/05
C	STATE - 2ND REVIEW COMMENTS	2025/07/30

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: US0040241.3707

FLOOR PLAN - LEVEL 01 - POWER

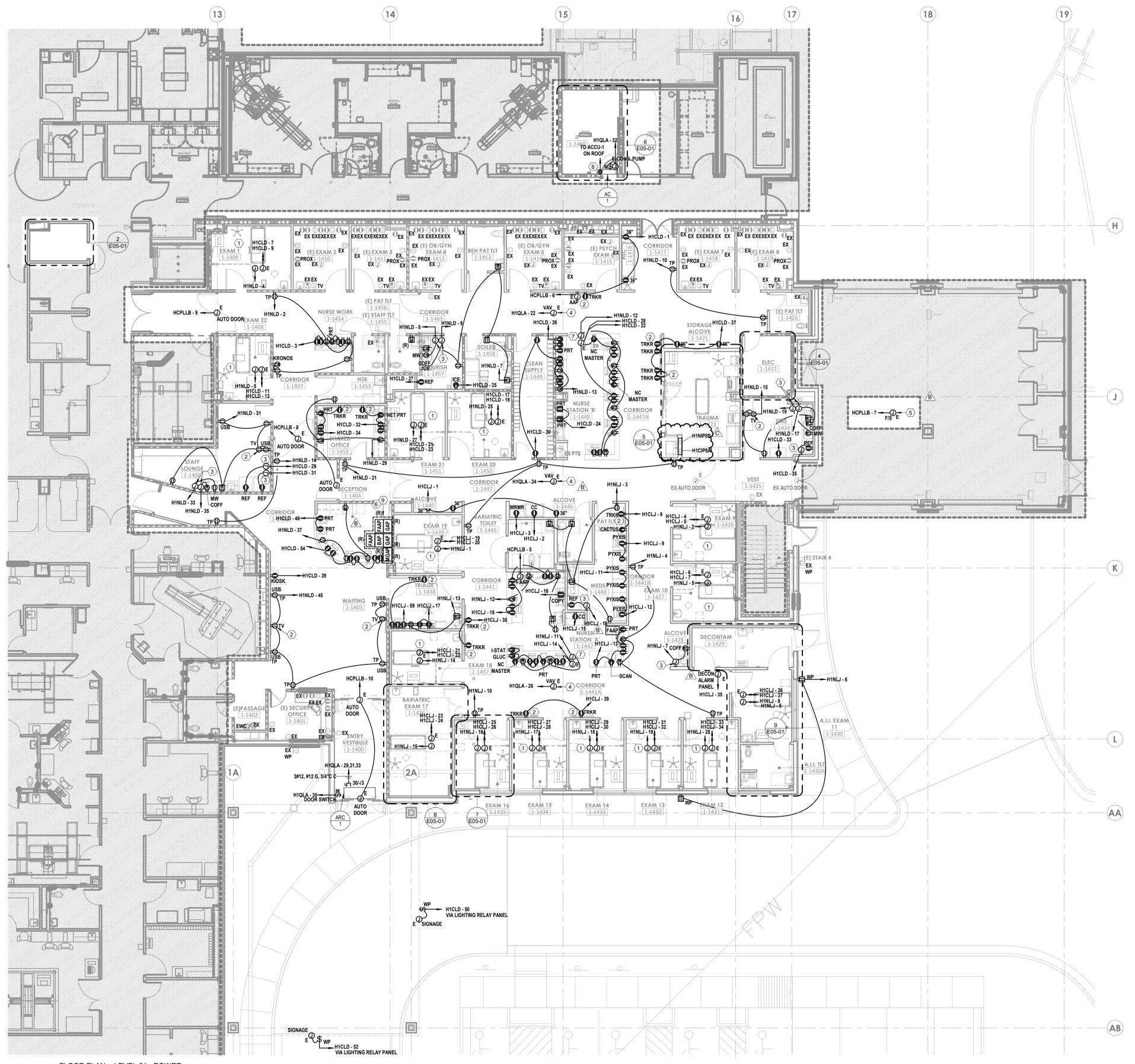
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GENERAL NOTES

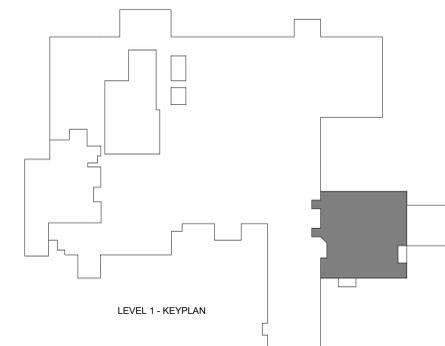
- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- REFER TO SHEET E08 SERIES FOR FEEDER AND PANEL BOARD SCHEDULES
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING 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

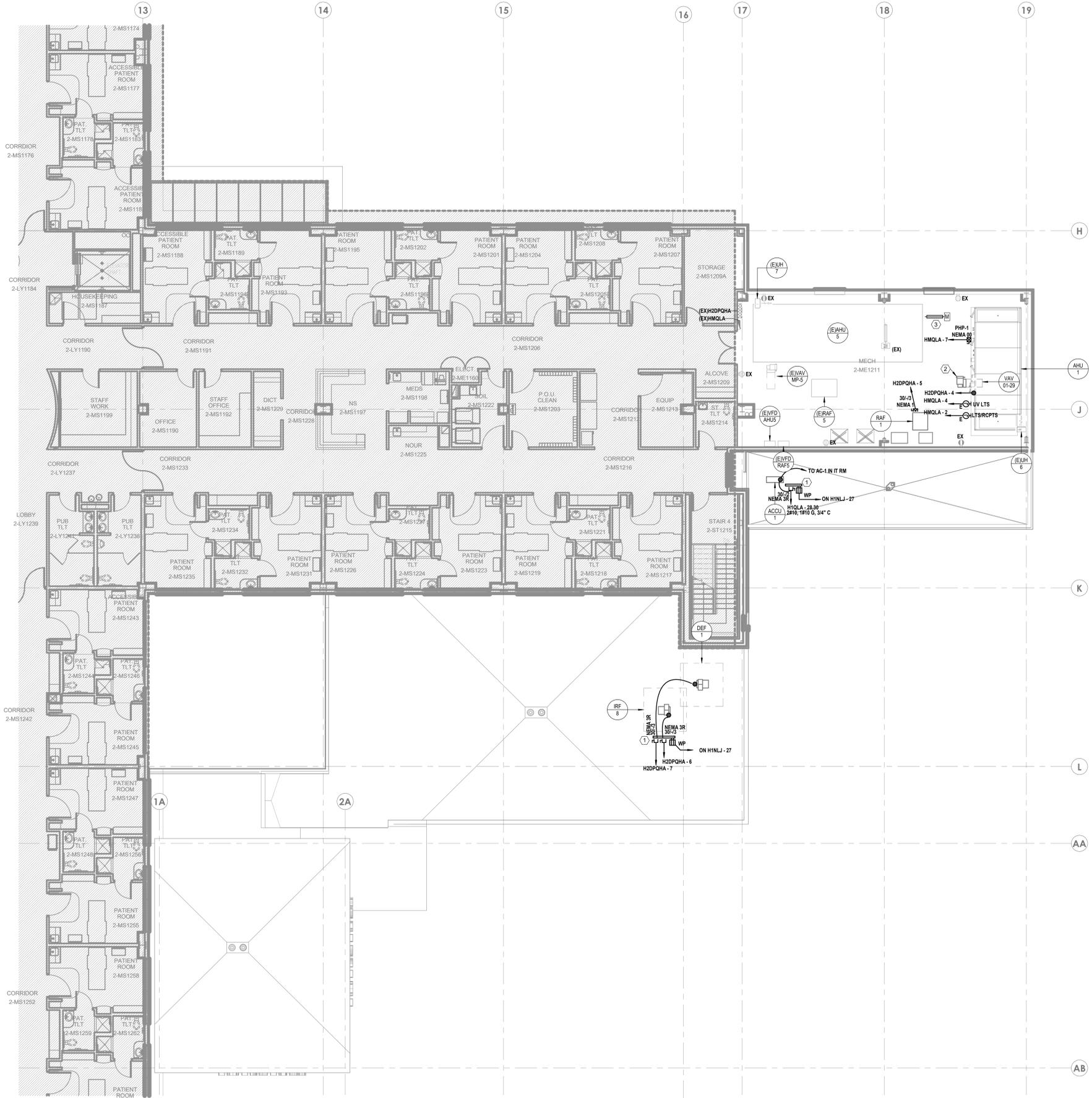
- REFER TO "ENLARGED LEVEL 01 - EXAM RM TYPICAL - POWER" ON 07E05-01 FOR TYPICAL POWER DEVICE LAYOUT
- DEVICES TO BE LOCATED IN TV BACK-BOX. REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN
- PROVIDE BLANK FACE (FACELESS) GFCI IN A READILY ACCESSIBLE LOCATION FOR RECEPTACLE INDICATED LABEL PER DEVICE INDICATED ON DRAWINGS. REFER TO DETAIL 07E05-01 FOR ADDITIONAL DETAILS
- PROVIDE 120V POWER CONNECTION TO VAVS IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE 20A TP 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.
- PROVIDE 120V POWER CONNECTION TO FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS IN THIS AREA. PROVIDE SEPARATE RELAYS FOR EACH DUCT DETECTOR 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.
- CONNECT TO EXISTING CIRCUITS PREVIOUSLY SERVING ALARM PANELS. EXTEND WIRING AND CONDUIT AS NEEDED
- PROVIDE SEPARATE 1" CONDUIT PATHWAY UNDERNEATH NURSE STATION FOR ROUTING OF NORMAL AND CRITICAL EMERGENCY POWER CIRCUITS INDICATED IN THIS NURSE STATION MILLWORK. RUN CONDUIT AND CONDUCTORS OVERHEAD TO NEAREST WALL, DOWN WALL, AND THEN SMOKE/SLAB OVER TO NURSE STATION.
- INDOOR UNIT TO BE SERVED FROM OUTDOOR UNIT. REFER TO OUTDOOR UNIT FOR FEEDER REQUIREMENTS
- ALARM PANEL TO BE RELOCATED TO NEW LOCATION AS SHOWN. VERIFY VOLTAGE OF ALL ALARM PANELS WITH THE ENGINEER OF RECORD PRIOR TO INSTALLATION.



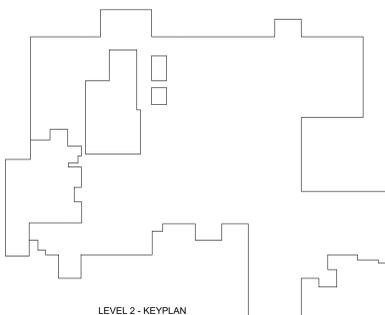
1 FLOOR PLAN - LEVEL 01 - POWER
 1/8" = 1'-0"



Autodesk Doc./Fig. 02-4 - HCA - Lee's Summit Medical Center (LSMC)_rv23/MEP - LSME ED Expansion - 02-3.rvt 7/29/2025 4:15:43 PM



1 FLOOR PLAN - LEVEL 02 - POWER
1/8" = 1'-0"



GENERAL NOTES

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

LEGEND NOTES

- 1 PROVIDE (2) POWER PEDESTALS EQUAL TO PP-60-S EACH WITH PP-608 FOR INTEGRATION OF WATERPROOF MEMBRANE INTO T.P.O. ROOF MATERIAL. UNISTRUT TO BE MOUNTED BETWEEN POWER PEDESTALS FOR ELECTRICAL FIXTURES AND EQUIPMENT INDICATED.
- 2 CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING VAVS IN THIS AREA. PROVIDE 20A 1P SWITCH AT CONTROL TRANSFORMER(S).
- 3 CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING DAMPERS IN THIS SPACE.

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

Consultant:
WSP
 300 WYANDOTTE, SUITE 200
 KANSAS CITY, MO 64105

Professional Engineer Seal for WSP USA Buildings Inc. dated 04/18/2025.

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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 02 - POWER

E02-02

4/27/2025 11:22:25 AM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LV23(MED)_LSMC ED Expansion_02.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

GENERAL NOTES

- A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF ALL WIRING DEVICES
- B. REFER TO SHEET E03-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- C. REFER TO SHEET E08-01 FOR LIGHT FIXTURE SCHEDULES
- D. CONTRACTORS SHALL USE FMC TRANSITIONS FROM EMT AT BUILDING EXPANSION JOINTS WHEN APPLICABLE. FMC ROUTING SHALL BE PROVIDED TO ALLOW LATERAL AND VERTICAL ADJUSTMENTS IN LINE WITH COORDINATE EXACT LOCATIONS OF EXPANSION JOINTS WITH ARCHITECTURAL DRAWINGS



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 KANSAS CITY, MO 64105



04/18/2025
 WSP USA Buildings Inc. 2013001881

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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS

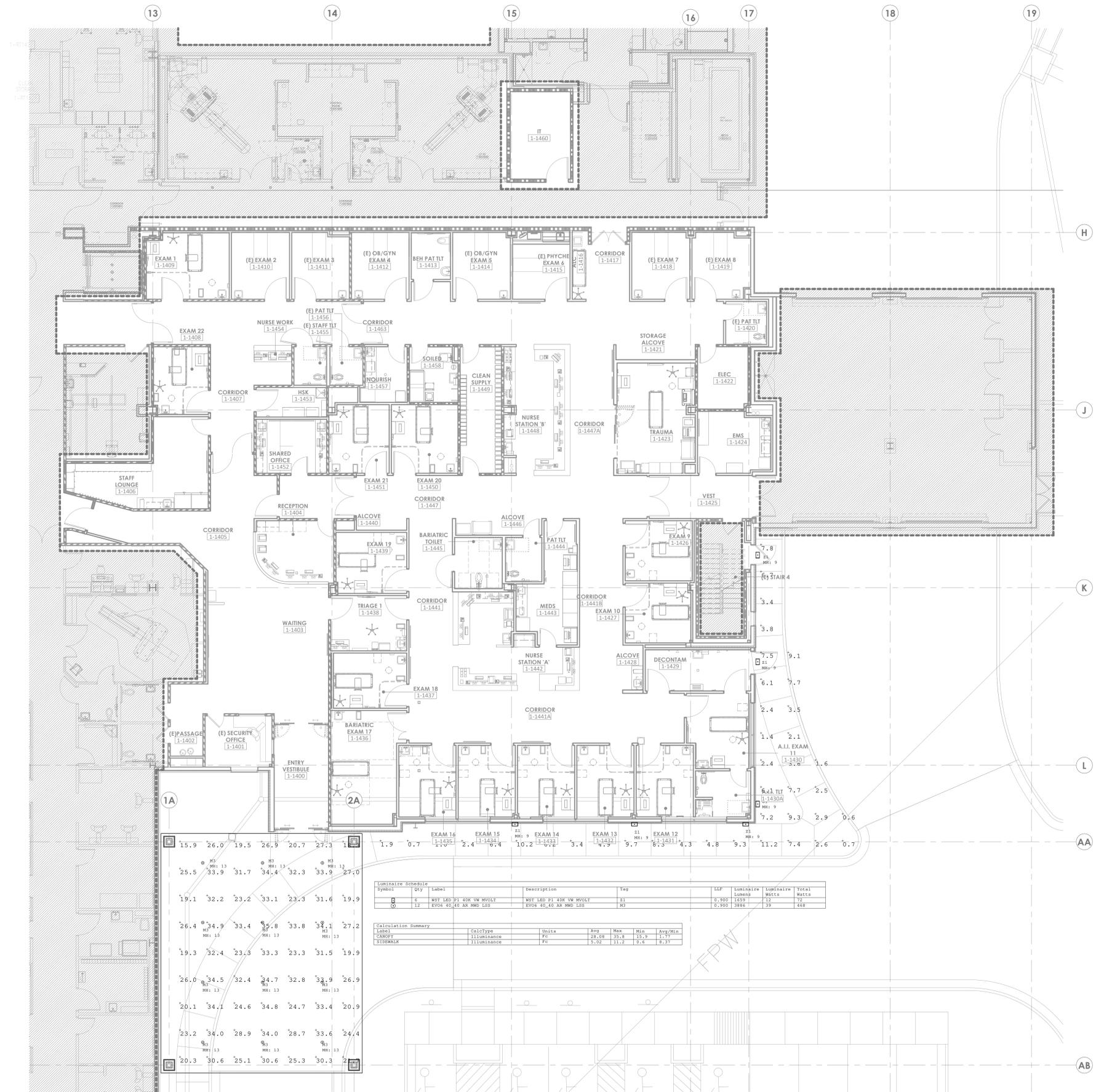
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

SITE PLAN - PHOTOMETRICS

E03-00

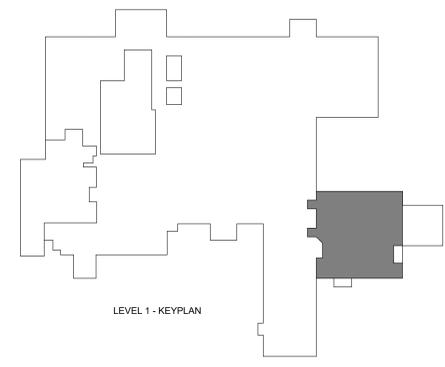
4/27/2025 11:22:28 AM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LY23/MEP - LSME ED Expansion_R23.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



Symbol	Qty	Label	Description	Tag	LMF	Luminaire Lumens	Luminaire MSCP	Total MSCP
□	6	WFL LED P1 40K VW WROFL	WFL LED P1 40K VW WROFL	01	0.300	1459	22	72
○	12	EYOF 40-10 AK WMD LSS	EYOF 40-10 AK WMD LSS	03	0.500	3886	39	468

Label	CalcType	Units	Avg	Max	Min	Avg/Min
CANOPT	Illuminance	FC	28.08	35.8	12.9	1.77
STRAWALK	Illuminance	FC	3.20	11.2	2.4	3.23

1 FLOOR PLAN - LEVEL 01 - SITE LIGHTING - PHOTOMETRICS
 1/8" = 1'-0"



LEVEL 1 - KEYPLAN

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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REV #	REVISIONS	DATE
B	DESIGN COORDINATION	2025/06/05
C	STATE - 2ND REVIEW COMMENTS	2025/07/30
Z	ASH-002 - DESIGN COORDINATION	2025/10/24

DATE: 04/18/25
 SCALE: As Indicated
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: US0040241.3707

ENLARGED FLOOR PLAN

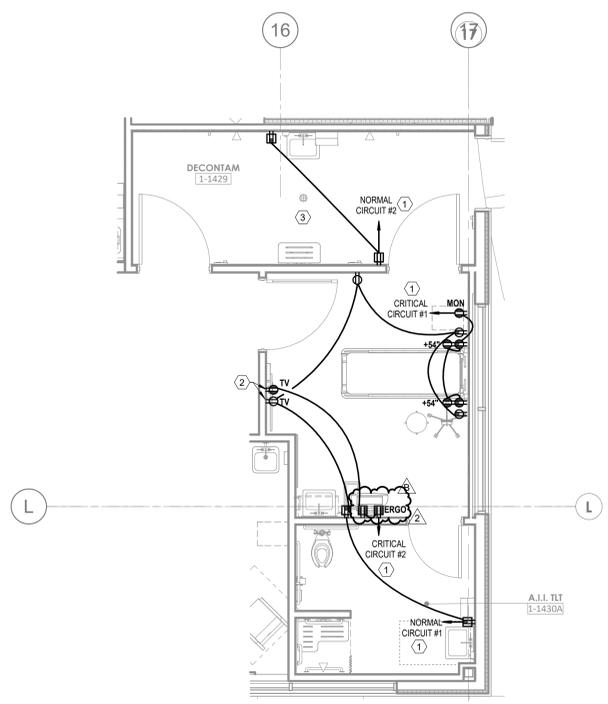
E05-01

GENERAL NOTES

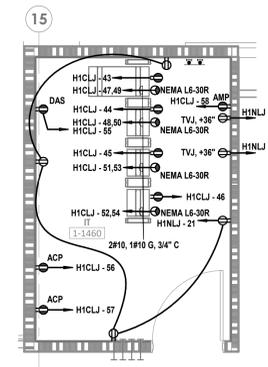
- REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
- REFER TO SHEET E08 SERIES FOR FEEDER AND PANEL BOARD SCHEDULES
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING 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

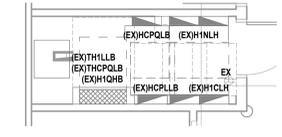
- REFER TO E02 SERIES FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING
- DEVICES TO BE LOCATED IN TV BACK-BOX REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN
- DEVICES IN DECONTAMINATION ROOM SHALL BE PROVIDED WITH A WEATHERPROOF ENCLOSURE
- FLUSH MOUNTED DIGITAL ELAPSED TIME CLOCK EQUAL TO PRIMEX #143-AS238R WITH #19M-000105 ELAPSED TIMER KIT FOR REMOTE START-STOP-RESET CONTROL. COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN
- FLUSH MOUNTED DIGITAL TIME CLOCK EQUAL TO PRIMEX #143-AS238R. COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN



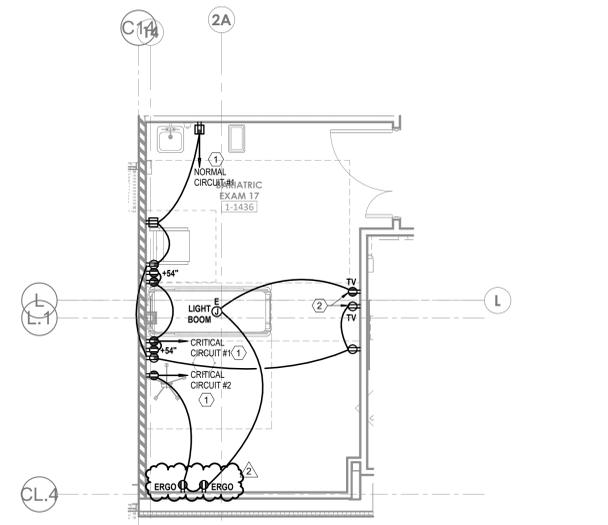
9 ENLARGED LEVEL 01 - A.I.I. EXAM, DECON - POWER
 1/4" = 1'-0"



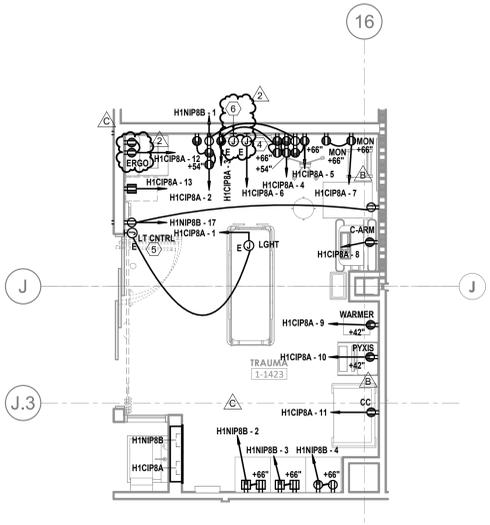
6 ENLARGED LEVEL 01 - IT 1-1460 - POWER
 1/4" = 1'-0"



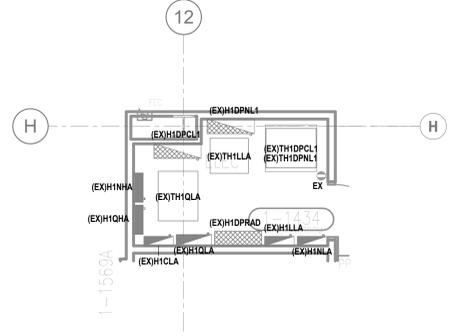
3 ENLARGED LEVEL 01 - ICU ELEC RM - POWER
 1/4" = 1'-0"



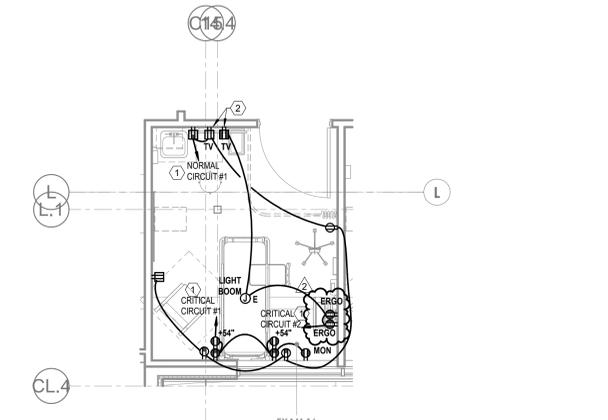
8 ENLARGED LEVEL 01 - BARIATRIC EXAM RM - POWER
 1/4" = 1'-0"



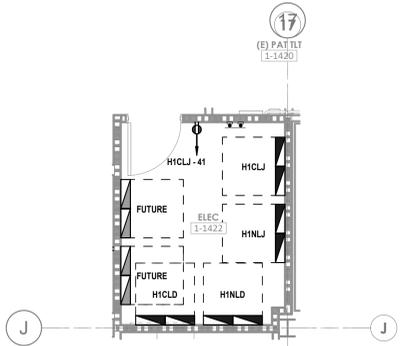
5 ENLARGED LEVEL 01 - TRAUMA RM - POWER
 1/4" = 1'-0"



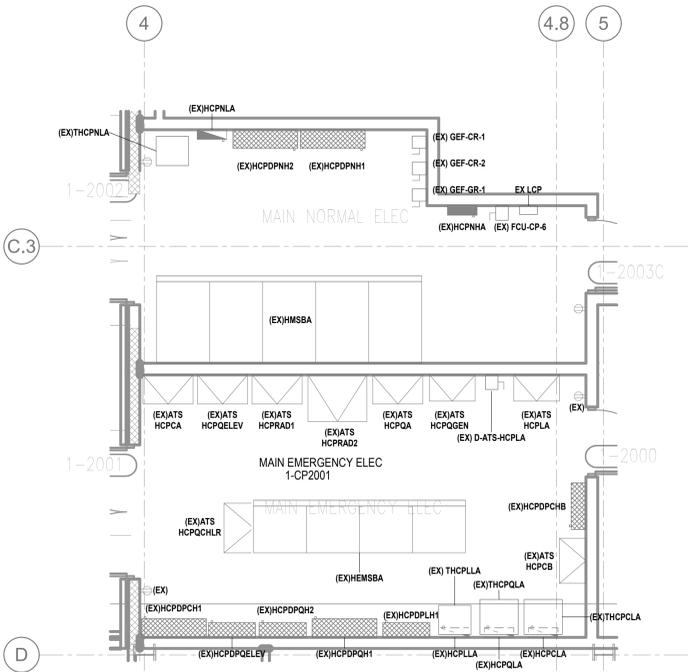
2 ENLARGED LEVEL 01 - ELEC ME 1-1434 - POWER
 1/4" = 1'-0"



7 ENLARGED LEVEL 01 - EXAM RM TYPICAL - POWER
 1/4" = 1'-0"



4 ENLARGED LEVEL 01 - ELEC ME 1-1422 - POWER
 1/4" = 1'-0"



1 ENLARGED LEVEL 01 - CUP ELEC RM - POWER
 1/4" = 1'-0"

10/24/2025 11:17:52 AM Autodesk Docs://Eg0624-HCA- Lee's Summit Medical Center (LSMC)_rv23/MEP_LSMC ED Expansion_023.rvt

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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/06/05

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

ONE LINE DIAGRAM - NORMAL - NEW

LEGEND NOTES

- EXISTING LOAD IS BASED ON DESIGN LOAD FROM AN ONGOING PROJECT AT THE FACILITY
- SWITCH NEW WIRE SIZE TO EXISTING TO REMAIN WIRE SIZE.

EXIST: 'HMSBA' LOAD SUMMARY

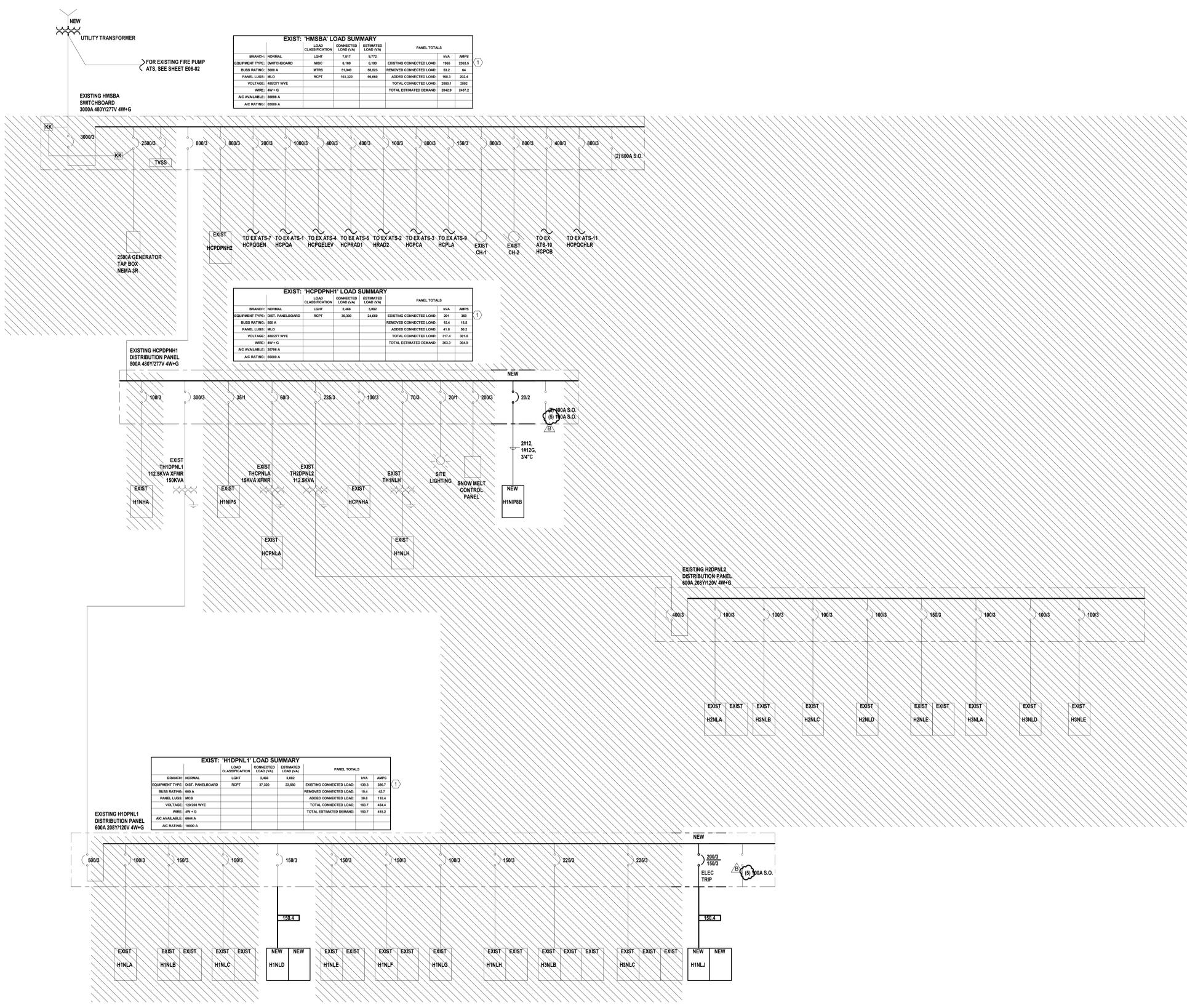
BRANCH	NORMAL	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
EQUIPMENT TYPE	SWITCHBOARD	LIGHT	7,817	9,772	EXISTING CONNECTED LOAD	1966	2386.5
BUSSE RATING	3000 A	MISC	4,186	6,760	REMOVED CONNECTED LOAD	83.2	94
PANEL LOADS	MISC	RCPT	91,949	95,523	ADDED CONNECTED LOAD	186.3	224.4
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD	2089.1	2500
WIRE	4W + G				TOTAL ESTIMATED DEMAND	2142.8	2497.2
AC AVAILABLE	3600 A						
AC RATING	6000 A						

EXIST: 'HCPDPNH1' LOAD SUMMARY

BRANCH	NORMAL	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
EQUIPMENT TYPE	SWITCHBOARD	LIGHT	2,466	3,062	EXISTING CONNECTED LOAD	291	358
BUSSE RATING	400 A	MISC	30,300	34,659	REMOVED CONNECTED LOAD	15.4	18.5
PANEL LOADS	MISC	RCPT			ADDED CONNECTED LOAD	41.8	50.3
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD	317.4	389.8
WIRE	4W + G				TOTAL ESTIMATED DEMAND	303.3	364.9
AC AVAILABLE	3070 A						
AC RATING	6000 A						

EXIST: 'H1DPNL1' LOAD SUMMARY

BRANCH	NORMAL	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
EQUIPMENT TYPE	SWITCHBOARD	LIGHT	2,466	3,062	EXISTING CONNECTED LOAD	139.3	166.7
BUSSE RATING	400 A	MISC	31,300	33,660	REMOVED CONNECTED LOAD	15.4	18.5
PANEL LOADS	MISC	RCPT			ADDED CONNECTED LOAD	36.9	44.7
VOLTAGE	480/277 WYE				TOTAL CONNECTED LOAD	181.7	219.9
WIRE	4W + G				TOTAL ESTIMATED DEMAND	180.7	218.2
AC AVAILABLE	3000 A						
AC RATING	10000 A						



6/20/2025 10:25:02 AM Autodesk Docs://E06-02 - HCA - Lee's Summit Medical Center (LSMC)_rv23/MEP_LSMC ED Expansion: E06-02.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REV #	REVISIONS	DATE
B	DESIGN COORDINATION	2025/06/05

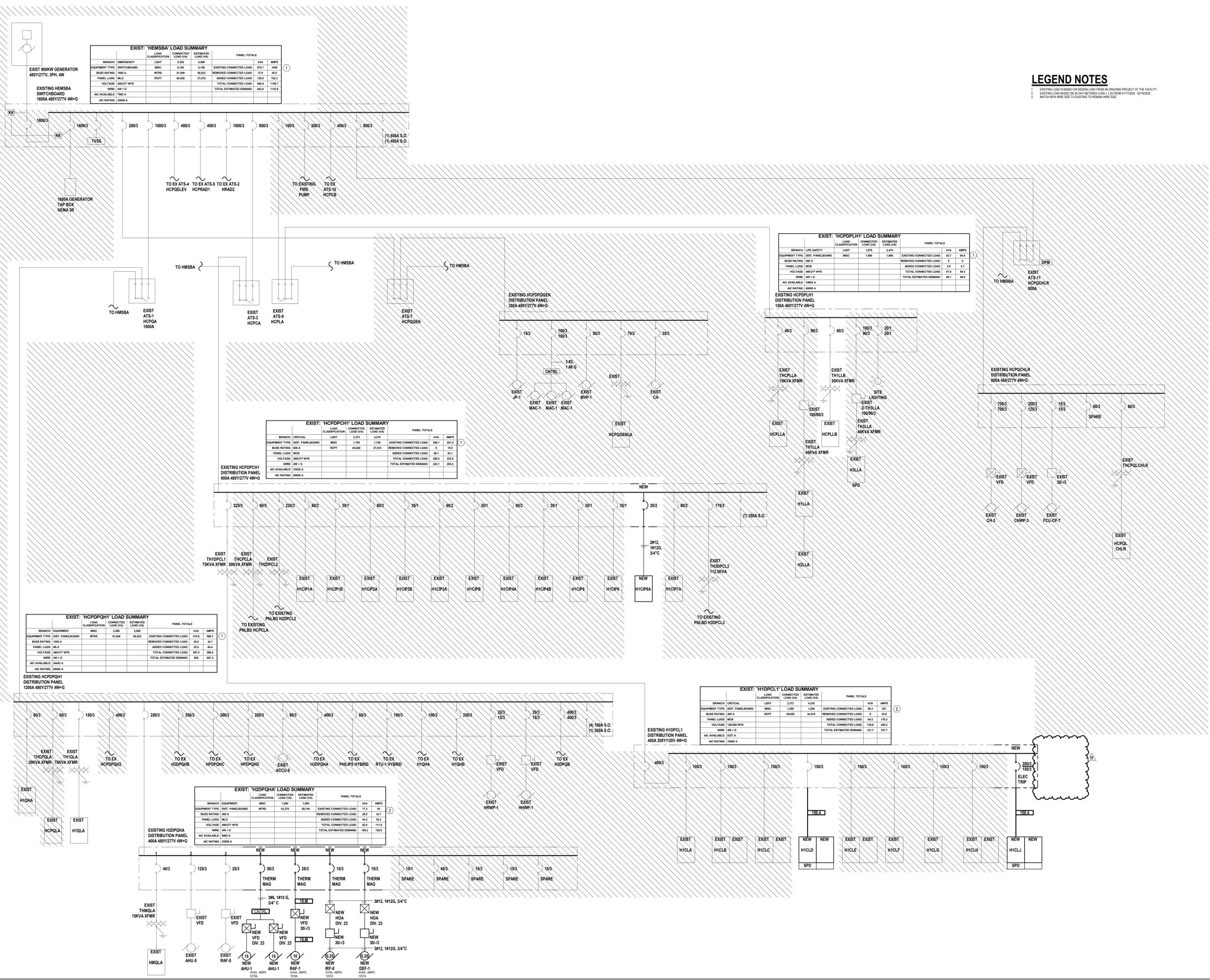
DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: US0040241.3707

ONE LINE DIAGRAM - EMERGENCY - NEW

E06-04

LEGEND NOTES

- EXISTING LOAD IS BASED ON DESIGN LOAD FROM AN ONGOING PROJECT AT THE FACILITY
- EXISTING LOAD BASED ON 30 MIN VERTICAL LOAD AS PER NFPA 70:2020 - 410-10020
- MATCH NEW WIRE SIZE TO EXISTING TO REMAIN WIRE SIZE



EXIST: 'HMSBA' LOAD SUMMARY

BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
SWITCHBOARD	MISC	6,100	6,600	EXISTING CONNECTED LOAD	872.1	1348	
MTR	MTR	81,048	86,803	REMOVED CONNECTED LOAD	0	0	
WYE	WYE	6,100	6,600	ADDED CONNECTED LOAD	138.1	182.2	
TOTAL CONNECTED LOAD					868.8	1166.7	
TOTAL ESTIMATED DEMAND					942.8	1133.8	

EXIST: 'HCPDPLH' LOAD SUMMARY

BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
SWITCHBOARD	MISC	1,300	1,500	EXISTING CONNECTED LOAD	85.7	84.6	
MTR	MTR	0	0	REMOVED CONNECTED LOAD	0	0	
WYE	WYE	1,300	1,500	ADDED CONNECTED LOAD	1.8	4.7	
TOTAL CONNECTED LOAD					87.5	89.3	
TOTAL ESTIMATED DEMAND					86.1	89.9	

EXIST: 'HCPDPOH' LOAD SUMMARY

BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
SWITCHBOARD	MISC	1,700	1,700	EXISTING CONNECTED LOAD	208.1	251.0	
MTR	MTR	64,859	37,910	REMOVED CONNECTED LOAD	0	0	
WYE	WYE	1,700	1,700	ADDED CONNECTED LOAD	83.1	85.1	
TOTAL CONNECTED LOAD					208.1	233.1	
TOTAL ESTIMATED DEMAND					243.1	262.4	

EXIST: 'HCPDPOH' LOAD SUMMARY

BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
SWITCHBOARD	MISC	2,000	2,000	EXISTING CONNECTED LOAD	47.0	96.7	
MTR	MTR	81,048	86,803	REMOVED CONNECTED LOAD	0	0	
WYE	WYE	2,000	2,000	ADDED CONNECTED LOAD	33.6	84.4	
TOTAL CONNECTED LOAD					47.0	96.7	
TOTAL ESTIMATED DEMAND					100	407.4	

EXIST: 'H1DPL' LOAD SUMMARY

BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
SWITCHBOARD	MISC	1,200	1,200	EXISTING CONNECTED LOAD	90.4	231	
MTR	MTR	59,800	34,910	REMOVED CONNECTED LOAD	0	0	
WYE	WYE	1,200	1,200	ADDED CONNECTED LOAD	84.2	195.2	
TOTAL CONNECTED LOAD					146.6	404.2	
TOTAL ESTIMATED DEMAND					121.7	337.7	

EXIST: 'H2DPOHA' LOAD SUMMARY

BRANCH	EQUIPMENT	LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	KVA	AMPS
SWITCHBOARD	MISC	1,000	1,000	EXISTING CONNECTED LOAD	77.3	90	
MTR	MTR	43,270	82,744	REMOVED CONNECTED LOAD	28.9	34.7	
WYE	WYE	1,000	1,000	ADDED CONNECTED LOAD	44.3	82.2	
TOTAL CONNECTED LOAD					82.5	115.4	
TOTAL ESTIMATED DEMAND					100.2	128.8	

6/20/2025 10:25:02 AM Autodesk Docs://eg06-24-HCA- Lee's Summit Medical Center (LSMC)_rv23/MEP_LSMC ED Expansion_02.rvt

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ED 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

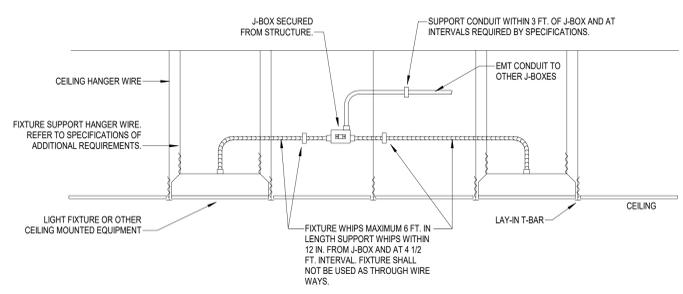
FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

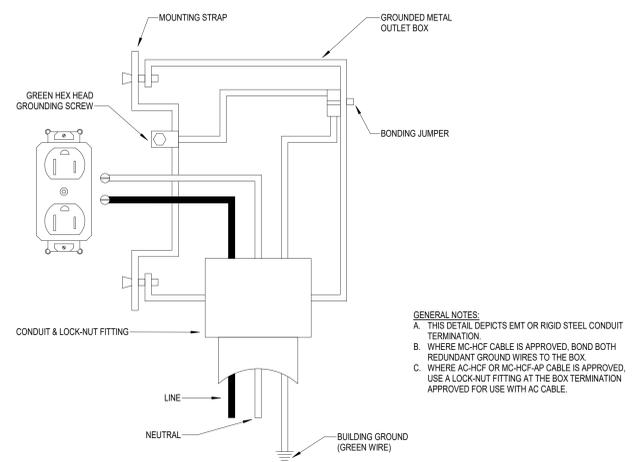
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: N.T.S.
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: US0040241.3707

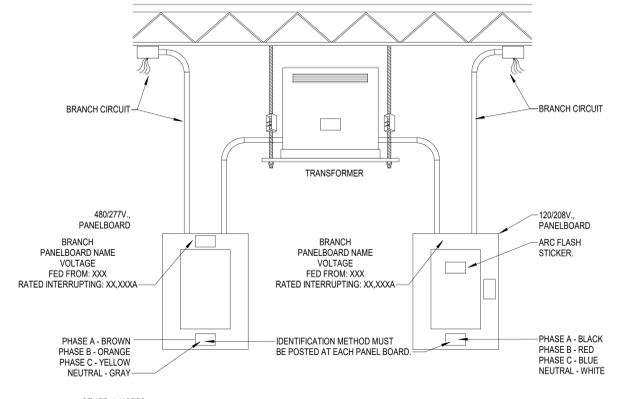
DETAILS - ELECTRICAL



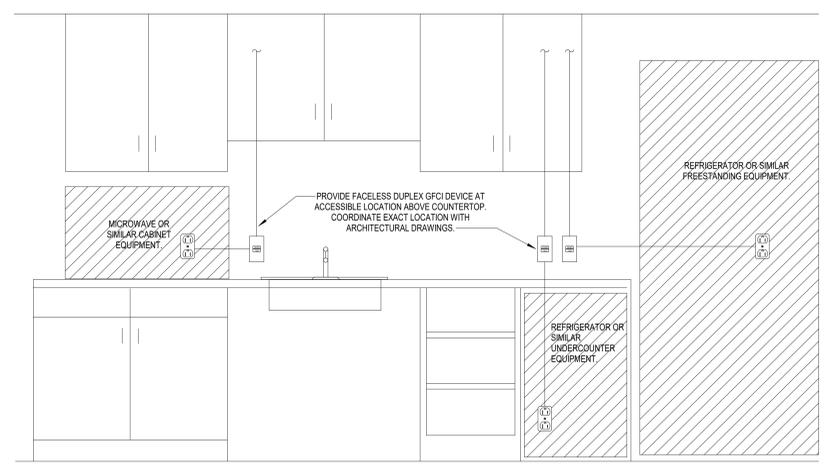
④ LAY-IN FIXTURE MOUNTING DETAIL
 N.T.S.



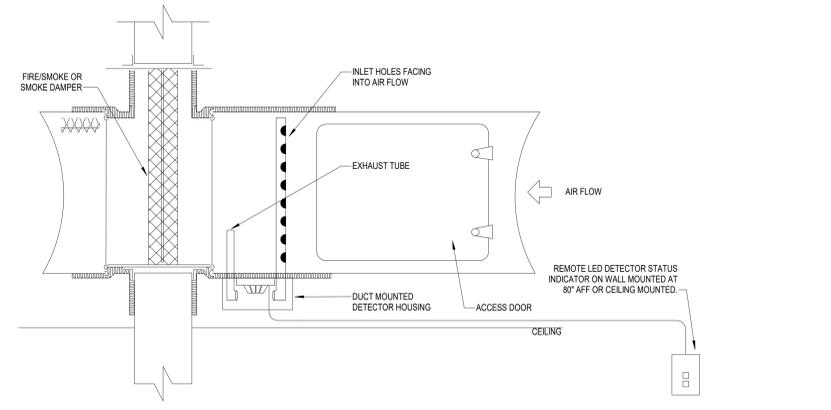
③ RECEPTACLE GROUNDING DETAIL
 N.T.S.



② PANEL IDENTIFICATION DETAIL
 N.T.S.

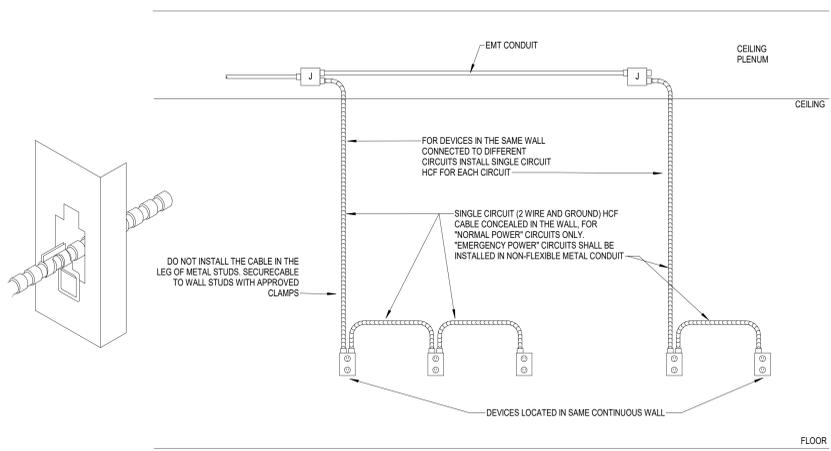


① ACCESSIBLE GFCI DETAIL
 N.T.S.



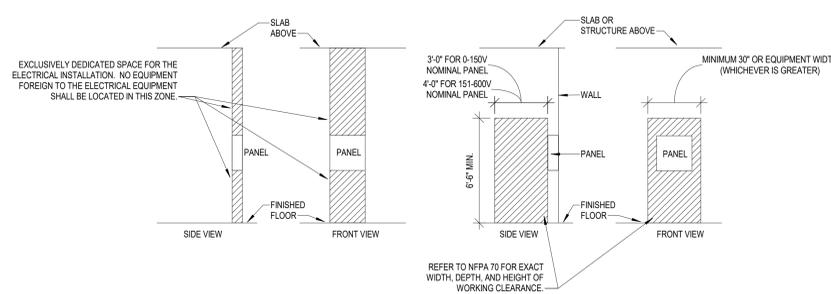
GENERAL NOTES:
 A. PROVIDE SMOKE DETECTORS AT ALL FIRE/SMOKE AND SMOKE DAMPER LOCATIONS. COORDINATE EXACT LOCATION OF ALL FIRE/SMOKE AND SMOKE DAMPERS WITH DIVISION 23 FLOOR PLANS. AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
 B. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR MOUNTING, LOCATION, AND QUANTITY.

⑦ DUCT SMOKE DETECTOR DETAIL AT SMOKE AND FIRE/SMOKE DAMPERS
 N.T.S.



GENERAL NOTES:
 A. NOT APPLICABLE FOR EMERGENCY POWER CIRCUITS
 B. HFC CABLE MAY BE INSTALLED ONLY CONCEALED IN WALLS
 C. REFER TO SPECIFICATION "LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES" FOR ADDITIONAL REQUIREMENTS.

⑥ HEALTHCARE FACILITIES CABLE (HFC) INSTALLATION DETAIL
 N.T.S.



⑤ TYPICAL PANELBOARD REQUIRED CLEARANCE DETAIL
 N.T.S.

4/27/2025 11:22:49 AM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_rv23/MEP - LSME ED Expansion: 02.3.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS

REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: N.T.S.
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

DETAILS - ELECTRICAL

E07-02

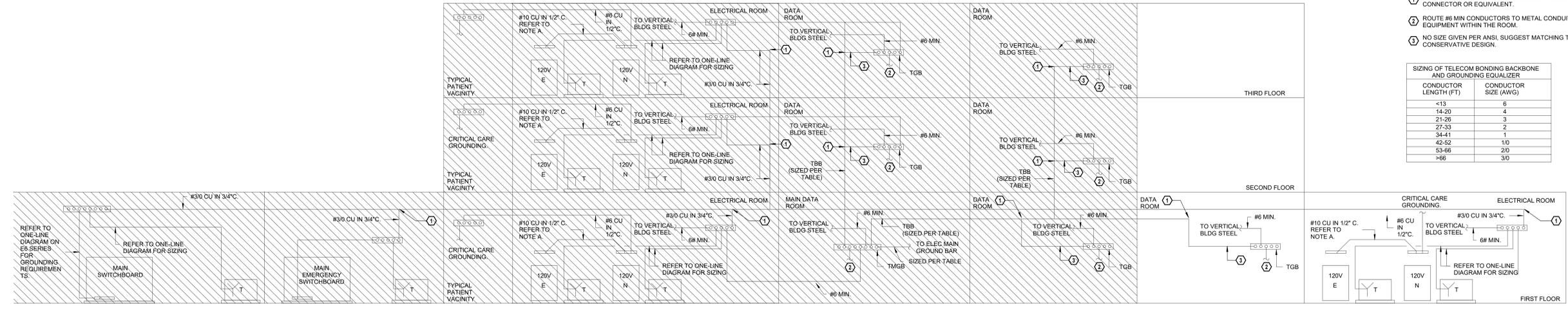
TGB - TELECOM GROUNDING BUSBAR
 TMGB - TELECOM MAIN GROUNDING BUSBAR
 TBB - TELECOMM BONDING BACKBONE
 GE - GROUNDING EQUALIZER

LEGEND NOTE

- EXOTHERMIC WELD, IRREVERSIBLE COMPRESSION-TYPE CONNECTOR OR EQUIVALENT.
- ROUTE #6 MIN CONDUCTORS TO METAL CONDUIT & EQUIPMENT WITHIN THE ROOM.
- NO SIZE GIVEN PER ANSI, SUGGEST MATCHING TBB FOR CONSERVATIVE DESIGN.

SIZING OF TELECOM BONDING BACKBONE AND GROUNDING EQUALIZER

CONDUCTOR LENGTH (FT)	CONDUCTOR SIZE (AWG)
<13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
>66	3/0



1 TYPICAL ROOF MOUNTED RECEPTACLE
 N.T.S.

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. Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_E07-02/MEP - LSME ED Expansion: E07-02.rvt 4/27/2025 11:22:50 AM

ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	PHYSICAL DESCRIPTION				ELECTRICAL SPECIFICATIONS										MANUFACTURER INFORMATION		REMARKS
			HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER		
A1	2' x 4' LED VOLUMETRIC TROFFER	EMS, 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 E21 LP840		
B1	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	SOLEID, CLEAN SUPPLY	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 E21 LP840 PAF		
B2	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	EXAM, TRIAGE, NOUR, NURSE, MEDS	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	6,800	72000	48	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 60L RW E21 LP840 PAF		
B4	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER, WET LOCATION LISTED	DECONTAM	20 GA. STEEL HOUSING	DIFFUSED ACRYLIC	0.060 PAINTED ALUMINUM DOOR FRAM	PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,800	72000	41	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#HRTL X L48 5000LM QAW AFL MVOLT E21H4K 80CRI		
D1	2' x 2' LED VOLUMETRIC TROFFER	RESTROOM	ONE PIECE STEEL	ACRYLIC LINEAR PRISMATIC DIFFUSER	WHITE REGRESSED ALUMINUM DOOR	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	3,300	60000	26	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL2 33L ADP E21 LP840		
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 E21 LP840		
J2	4'-0" LED LOW PROFILE LENSED STRIPLIGHT WITH DROP LENS FOR 10% UPLIGHT	ELECTRICAL ROOM	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	7,800	50000	59	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#ZL ID L48 5000LM QAW AFL MVOLT 40K 80CRI W1 PAF		
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	20	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	WINONA	#NFW48R8 24LON8 LEDX2 40K MVOLT ONE BA MEZ128783-MOD		
M2	6" LED DOWNLIGHT WITH 45 DEGREE CUT OFF	ALCOVE, RECEPTION, NURSE/CORR	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	#EVO6 4015 AR MWD LSS MVOLT G210		
M4	6" LED DOWNLIGHT WITH 45 DEGREE CUT OFF	PATIENT/EXAM ROOM	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	#EVO6 4020 AR MWD LSS MVOLT G210		
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	12	EACH	LED DRIVER	120	GOTHAM	#EVO6 4010 DFR MVOLT E21		
W1	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	TRAUMA	20 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	11,100	72000	83	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 100L A12125 E21 LP840 ABC		
W1E	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER WITH BATTERY BACKUP	TRAUMA	20 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	11,100	72000	83	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 100L A12125 E21 LP840 ABC E10W		
X1	LED DECORATIVE RECESSED EDGE-LIT EXIT LIGHT, SINGLE FACE	EGRESS	20 GA. GALVANIZED STEEL, EXTRUDED ALUMINUM HOUSING	SATIN ALUMINUM TRIM PLATE, MOLDED TEXTURED LETTERS	N/A	6 INCH HIGH RED LETTERS ON MIRROR BACKGROUND, DIRECTIONAL CHEVRON INDICATORS AS REQUIRED PER PLANS	BACK/CEILING/END MOUNTING AS REQUIRED PER PLANS	0	LED	10	87600	3	EACH	N/A	120	LITHONIA	#LRP 1 RMR 120277		
X2	LED DECORATIVE RECESSED EDGE-LIT EXIT LIGHT, DOUBLE FACE	EGRESS	20 GA. GALVANIZED STEEL, EXTRUDED ALUMINUM HOUSING	SATIN ALUMINUM TRIM PLATE, MOLDED TEXTURED LETTERS	N/A	6 INCH HIGH RED LETTERS ON MIRROR BACKGROUND, DIRECTIONAL CHEVRON INDICATORS AS REQUIRED PER PLANS	BACK/CEILING/END MOUNTING AS REQUIRED PER PLANS	0	LED	15	87600	3	EACH	N/A	120	LITHONIA	#LRP 2 RMR 120277		

EXTERIOR ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	PHYSICAL DESCRIPTION				ELECTRICAL SPECIFICATIONS										MANUFACTURER INFORMATION		REMARKS
			HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER		
M3	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 GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,000	60000	15	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EVO6 4040 AR LSS MWD MVOLT G210		
Z1	LED TRAPEZOIDAL WALL PACK WITH PHOTOCELL, WIDE DISTRIBUTION	EXTERIOR	DIE CAST ALUMINUM, DIE-CAST DOOR FRAME, WITH SOLID SILICONE GASKET, IP65	N/A	FULL CUTOFF	THERMOSET POWDER COAT FINISH, DARK BRONZE, CONFORM WITH ARCHITECT	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	N/A	1,500	100000	11	EACH	LED DRIVER	120	LITHONIA	#WST LED P1 40K VW MVOLT PE DDBXD		

LIGHTING CONTROL SEQUENCE OF OPERATIONS

TAG	SPACE TYPES	CONTROL		MANUAL CONTROL / OVERRIDE		OCCUPANCY SENSOR		PHOTOCELL
		CONTROL DESCRIPTION	CONTROL SYSTEM TYPE	DURATION	DEVICE LOCATION	SET POINT		
1	PUBLIC AREAS, RECEPTION	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/TOLET	AUTO ON TO 100%, AUTO OFF, MANUAL ON/OFF/DIM	STAND-ALONE	LINE VOLTAGE SWITCH, 20 MINUTES	DUAL-TECH WALL	AUTO ON/DIM, 20 MIN SET POINT	N/A	
3	ENCLOSED ROOMS (SMALL OFFICE, NOURISH, SUPPORT, ETC)	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LINE VOLTAGE SWITCH, 20 MINUTES	DUAL-TECH WALL	AUTO ON 50%, AUTO OFF, 20 MIN SET POINT	N/A	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE
4	EXAM RMS, NURSE STATION, CORRIDORS	MANUAL ON TO 100%, MANUAL OFF, DIMMING VIA MANUAL CONTROLS	STAND-ALONE	LINE VOLTAGE SWITCH, N/A	N/A	N/A	N/A	
5	ENCLOSED ROOMS (LARGE OFFICE, BREAK, SUPPORT, ETC)	AUTO ON TO 50%, MANUAL ON TO 100%/OFF/DIM, AUTO OFF	STAND-ALONE	LOW VOLTAGE SWITCH, 20 MINUTES	DUAL-TECH CEILING	AUTO ON 50%, AUTO OFF, 20 MIN SET POINT	N/A	CEILING MOUNTED IN DAYLIGHT ZONES OVER 150W, 1 MIN FAD RATE
6	EXTERIOR CANOPIES	PHOTOCELL 100% ON AT DUSK, TIME-CLOCK DIM AT DAWN	LIGHTING CONTROL PANEL	N/A	N/A	N/A	N/A	CANOPY MOUNTED
7	ELECTROMECH ROOMS	MANUAL ON TO 100%, MANUAL OFF	STAND-ALONE	LINE VOLTAGE SWITCH, N/A	N/A	N/A	N/A	

DEMAND FACTOR TABLE

LOAD TYPES	FACTORS										NEC REFERENCE
	1.00	0.50	0.25	0.10	0.05	0.02	0.01	0.005	0.002	0.001	
LIGHTS	1.00										220.42
RECEPTACLES	0-10kVA	>10kVA									220.44
MOTORS	1.00	0.50									220.50 & 430.24
	MAX	ALL OTHERS									220.50 & 430.24
HOSPITAL	1.25	1.00									220.42 & 220.44
	0-50kVA	>50kVA									517.73(2)
X-RAY	0.40	0.20									620.14
	1	1.00	0.50	0.25	0.10						220.56
ELEVATOR	1.00	0.95	0.9	0.85	0.82	0.79	0.77	0.75	0.73	0.72	220.51
	1	2	3	4	5	6 or more					210.19
KITCHEN	1.00	1.00	0.90	0.80	0.70	0.65					
	1.00										
HEAT	1.00										
	1.00										
MISCELLANEOUS	1.00										
	1.00										

MOTOR SCHEDULE

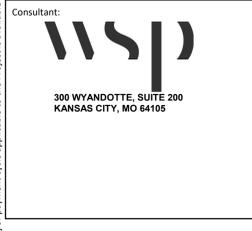
MOTOR TAG	HP	FLA	CB	FEEDER DESCRIPTION	
				480 VOLT 3 PHASE	
5.M	5	7.6	15	3#12, 1#12 G, 3/4" C	
7.5.M	7-1/2	11	20	3#12, 1#12 G, 3/4" C	
10.M	10	14	25	3#12, 1#10 G, 3/4" C	
15.M	15	21	40	3#10, 1#10 G, 3/4" C	
20.M	20	27	50	3#8, 1#10 G, 3/4" C	
25.M	25	34	60	3#6, 1#10 G, 3/4" C	
30.M	30	40	70	3#6, 1#8 G, 3/4" C	
40.M	40	52	100	3#4, 1#8 G, 1" C	
50.M	50	66	125	3#3, 1#6 G, 1-1/4" C	
60.M	60	77	150	3#1, 1#6 G, 1 1/4" C	
75.M	75	96	175	3#1, 1#6 G, 1 1/4" C	
100.M	100	124	225	3#20, 1#4 G, 2" C	
125.M	125	156	300	3#30, 1#4 G, 2" C	
150.M	150	180	350	3#40, 1#3 G, 2" C	
200.M	200	240	450	3#350KCM, 1#2 G, 2-1/2" C	

COPPER FEEDER SCHEDULE

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



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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

FACILITY NUMBER:
097240011

AGENCY APPROVALS:
AGENCY

Table with 3 columns: REV #, DESCRIPTION, DATE. Includes a REVISIONS section.

DATE: 04/18/25
SCALE:
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: US0040241.3707

SCHEDULES - ELECTRICAL

E08-02

NEW: H1CIP8A. Location: TRAUMA 01-13. Primary Voltage: 120 V. AIC: 10,000 A. Number of Phases: 2. Includes load classification table and notes.

NEW: H1NLD. Location: ELEC 01-11. Main Bus: 225 A. MCB: 150A. Voltage: 120/208 WYE. AIC Available: 2,539 A. AIC Rating: 10000 A. Includes detailed load schedule and summary table.

NEW: H1CLD. Location: ELEC 01-11. Main Bus: 225 A. MCB: 150A. Voltage: 120/208 WYE. AIC Available: 2,644 A. AIC Rating: 10000 A. Includes detailed load schedule and summary table.

NEW: H1NLJ. Location: ELEC 01-11. Main Bus: 225 A. MCB: 150A. Voltage: 120/208 WYE. AIC Available: 2,576 A. AIC Rating: 10000 A. Includes detailed load schedule and summary table.

NEW: H1CLJ. Location: ELEC 01-11. Main Bus: 225 A. MCB: 150A. Voltage: 120/208 WYE. AIC Available: 2,659 A. AIC Rating: 10000 A. Includes detailed load schedule and summary table.

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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE:
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

SCHEDULES - ELECTRICAL

E08-03

EXIST: HMQLA						EQUIPMENT											
LOCATION: MECH 2-ME1211 MAIN BUS: 100 A MCB: 60A VOLTAGE: 120/208 WYE AIC AVAILABLE: 1,304 A AIC RATING: 10000 A						FED FROM: THMQLA WIRES: 4W + G ENCLOSURE: NEMA 1 BUS TYPE: COPPER MOUNTING: SURFACE PANEL LUGS: MCB NUMBER OF SECTIONS: 1						NEUTRAL BUS: YES GROUND BUS: YES ISOLATED GROUND BUS: NO 200% NEUTRAL: NO FEED THROUGH LUGS: YES POLES PER SECTION: 24					
CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.		
1	EXISTING LOAD	--	20	1	1	20	500	AHU-1 LIGHTS	4								
3	EXISTING LOAD	--	20	1	1	20	500	AHU-1 UV LIGHTS	2								
5	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	6								
7	PHI-1	828	20	1	1	20	--	EXISTING LOAD	6								
9	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	10								
11	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	12								
13	SPACE	--	--	1	3	30	--	EXISTING LOAD	14								
15	SPACE	--	--	1	--	--	--	EXISTING LOAD	16								
17	SPACE	--	--	1	--	--	--	EXISTING LOAD	18								
19	SPACE	--	--	1	1	--	--	SPACE	20								
21	SPACE	--	--	1	1	--	--	SPACE	22								
23	SPACE	--	--	1	1	--	--	SPACE	24								
12 A / 5 A / 0 A																	
LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)		PANEL TOTALS				KVA	AMPS								
MISC	1,000	1,000		EXISTING CONNECTED LOAD:				32.6	90.5								
MTRS	828	1,035		REMOVED CONNECTED LOAD:				2.6	7.2								
				ADDED CONNECTED LOAD:				1.8	5.1								
				TOTAL CONNECTED LOAD:				31.9	88.4								
				TOTAL ESTIMATED DEMAND:				32.1	89								

EXIST: HCPLLB						EQUIPMENT											
LOCATION: ICU ELEC RM MAIN BUS: 225 A MCB: 100A VOLTAGE: 120/208 WYE AIC AVAILABLE: 1,477 A AIC RATING: 10000 A						FED FROM: TH1LLB WIRES: 4W + G ENCLOSURE: NEMA 1 BUS TYPE: COPPER MOUNTING: SURFACE PANEL LUGS: MCB NUMBER OF SECTIONS: 1						NEUTRAL BUS: YES GROUND BUS: YES ISOLATED GROUND BUS: NO 200% NEUTRAL: NO FEED THROUGH LUGS: NO POLES PER SECTION: 60					
CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.		
1	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	2								
3	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	4								
5	JBOX - AAP CORRIDOR 1-1441	200	20	1	1	20	200	JBOX - AAP CORRIDOR 1-1417	6								
7	JBOX - FSD CORRIDOR 1-1447	500	20	1	1	20	400	JBOX - AUTO DOOR CORR 1-1407, 1447	8								
9	AUTODOOR - CORRIDOR-1 01-49	200	20	1	1	20	500	JBOX - AUTO DOOR ENTRY 1-1400	10								
11	SPARE	--	20	1	1	20	823	LGHT - ED	12								
13	SPARE	--	20	1	1	20	--	SPARE	14								
15	SPARE	--	20	1	1	20	--	SPARE	16								
17	SPARE	--	20	1	1	20	--	SPARE	18								
19	SPARE	--	20	1	1	20	--	SPARE	20								
21	SPARE	--	20	1	1	20	--	SPARE	22								
23	SPARE	--	20	1	1	20	--	SPARE	24								
25	SPARE	--	20	1	1	20	--	SPARE	26								
27	SPARE	--	20	1	1	20	--	SPARE	28								
29	SPARE	--	20	1	1	20	--	SPARE	30								
31	SPARE	--	20	1	1	20	--	SPARE	32								
33	SPARE	--	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	EXISTING LOAD	--	30	3	1	20	--	SPARE	56								
57	SPARE	--	--	--	1	20	--	SPARE	58								
59	SPARE	--	--	--	1	20	--	SPARE	60								
8 A / 5 A / T1 A																	
LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)		PANEL TOTALS				KVA	AMPS								
LGHT	823	1,029		EXISTING CONNECTED LOAD:				2	5.7								
MISC	1,900	1,900		REMOVED CONNECTED LOAD:				0	0								
				ADDED CONNECTED LOAD:				2.7	7.6								
				TOTAL CONNECTED LOAD:				4.8	13.2								
				TOTAL ESTIMATED DEMAND:				5	13.8								

EXIST: H1QLA						EQUIPMENT											
LOCATION: ELEC 1-ME1434 MAIN BUS: 250 A MCB: 250A VOLTAGE: 120/208 WYE AIC AVAILABLE: 4,505 A AIC RATING: 10000 A						FED FROM: TH1QLA WIRES: 4W + G ENCLOSURE: NEMA 1 BUS TYPE: COPPER MOUNTING: SURFACE PANEL LUGS: MCB NUMBER OF SECTIONS: 1						NEUTRAL BUS: YES GROUND BUS: YES ISOLATED GROUND BUS: NO 200% NEUTRAL: NO FEED THROUGH LUGS: 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.	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.		
1	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	2								
3	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	4								
5	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	6								
7	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	8								
9	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	10								
11	EXISTING LOAD	--	20	1	1	20	--	SPARE	12								
13	SPARE	--	20	1	1	20	--	EXISTING LOAD	14								
15	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	16								
17	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	18								
19	EXISTING LOAD	--	20	1	1	20	--	EXISTING LOAD	20								
21	EXISTING LOAD	--	20	1	1	20	500	JB - VAV CORRIDOR 1-1459	22								
23	EXISTING LOAD	--	20	1	1	20	500	JB - VAV CORRIDOR 1-1447	24								
25	EXISTING LOAD	--	20	1	1	20	500	JB - VAV CORRIDOR 1-1441A	26								
27	EXISTING LOAD	--	20	1	2	30	4,784	AC-1 - IT 01-61	28								
29	ARC-1 - VESTIBULE 01-58	1,295	20	3	--	--	--	--	30								
31	SPARE	--	--	--	1	20	1,200	JB - CONDENSATE PUMP - IT 01-61	32								
33	SPARE	--	--	--	1	20	--	SPARE	34								
35	ARC-1 DOOR SWITCH - VESTIBULE 01-58	500	20	1	1	20	--	SPARE	36								
37	SPARE	--	20	1	3	100	--	PANEL H2QLA	38								
39	SPARE	--	20	1	--	--	--	--	40								
41	SPARE	--	20	1	--	--	--	--	42								
18 A / 25 A / 33 A																	
LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)		PANEL TOTALS				KVA	AMPS								
MISC	1,500	1,500		EXISTING CONNECTED LOAD:				18.2	50.4								
MTRS	7,779	8,975		REMOVED CONNECTED LOAD:				9	0								
				ADDED CONNECTED LOAD:				9.3	25.8								
				TOTAL CONNECTED LOAD:				27.5	76.2								
				TOTAL ESTIMATED DEMAND:				28.6	79.5								

		HMQLA
		HCPLLB
		H1QLA

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

ACCESS CONTROL NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES.
2. REFER TO FLOOR PLANS FOR DEVICE LOCATION LAYOUT.
3. PUSH PADS/WAVE PLATES ARE SHOWN FOR COORDINATION OF BACK BOX ROUGH IN PURPOSES ONLY. REFER TO DIV 08 SPECIFICATIONS FOR ADDITIONAL HARDWARE INFORMATION.
4. REFER TO ENLARGED COMM ROOM LAYOUT FOR EXACT PLACEMENT OF ACCESS CONTROL EQUIPMENT.

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

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

VIDEO SURVEILLANCE NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES.
2. REFER TO FLOOR PLANS FOR DEVICE LOCATION LAYOUT.
3. REFER TO ENLARGED COMM ROOM LAYOUT AND TYPICAL EQUIPMENT RACK LAYOUTS FOR EXACT PLACEMENT OF HEADEND EQUIPMENT.

VIDEO SURVEILLANCE BACK BOX SCHEDULE	
TYPE	DESCRIPTION
INDOOR WALL MOUNT	DOUBLE GANG BACK BOX, 2 1/8" DEEP, MOUNTED VERTICALLY, WITH SINGLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
INDOOR CEILING MOUNT	LAYER CEILING, 20" METAL CAMERA CEILING TILE WITH ADDITIONAL CEILING GRID SUPPORT. HARD-PAN CEILING, DOUBLE GANG BACK BOX, 2 1/8" DEEP, FLUSH MOUNTED IN CEILING, AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
OUTDOOR WALL MOUNT	SINGLE GANG WEATHERPROOF BACK BOX, 2 1/8" DEEP, FLUSH MOUNTED VERTICALLY, AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.
OUTDOOR CORNER MOUNT	DOUBLE GANG ALUMINUM WEATHERPROOF BACK BOX, 2 1/8" DEEP, SURFACE MOUNTED APPROXIMATELY SAME HEIGHT AS CORNER MOUNT, 3/4" LIQUID-TITE FROM BACK BOX TO CAMERA (WITH DRIP LOOP), AND 3/4" CONDUIT PATHWAY FROM BACK BOX STUBBED TO ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.
PARAPET MOUNT	DOUBLE GANG ALUMINUM WEATHERPROOF BACK BOX, 2 1/8" DEEP, SURFACE MOUNTED ON INSIDE OF PARAPET, 3/4" LIQUID-TITE FROM BACK BOX TO CAMERA (WITH DRIP LOOP), AND 3/4" CONDUIT PATHWAY FROM BACK BOX STUBBED TO ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.

NURSE CALL SYMBOLS LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
NR	NURSE CALL CONSOLE (GRAPHICAL STAFF CONSOLE, DESK MT. -GRS10)	AA	NOTE#3	
37	37 PIN BED CONNECTOR OUTLET (AUDIO STATION BED CONNECTOR)	BB	18" AFF	
D	DOME LIGHT, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOME LIGHT. MAY BE CEILING MOUNTED OR WALL MOUNTED.	DD	CEILING OR WALL MOUNT	
Z	ZONE DOME LIGHT, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOME LIGHT. MAY BE CEILING MOUNTED OR WALL MOUNTED.	DD	CEILING OR WALL MOUNT	
D/S	DOME LIGHT - SINGLE BLUB, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOME LIGHT. MAY BE CEILING MOUNTED OR WALL MOUNTED.	DD	CEILING OR WALL MOUNT	
KS	KEY SWITCH (ENABLE/DISABLE)	BB	48" AFF	
1J	SINGLE JACK AUXILIARY ALARM INPUT STATION (EQUIPMENT RECEPTACLE)	BB	48" AFF	
2J	DUAL JACK AUXILIARY ALARM INPUT STATION (EQUIPMENT RECEPTACLE)	BB	48" AFF	
6J	SIX JACK AUXILIARY ALARM INPUT STATION (EQUIPMENT RECEPTACLE)	BB	48" AFF	
CB	SINGLE PUSH BUTTON/SWITCH STATION - CODE BLUE	BB	48" AFF	
EP	EMERGENCY PUSH BUTTON/SWITCH STATION - STAFF EMERGENCY/BATH	BB	48" AFF	
RA	REMOTE AUDIO DEVICE W/CODE BLUE	BB	48" AFF	
PA	EMERGENCY PUSH BUTTON/SWITCH STATION W/AUDIO - STAFF EMERGENCY/BATH	BB	48" AFF	
CP	SINGLE PUSH BUTTON/SWITCH STATION - CODE PINK	BB	48" AFF	
SP	SINGLE PATIENT STATION, STANDARD ROOM STATION W/VO CODE BLUE LEVER - (SRS or GRS)	CC	48" AFF	
SP/ CB	SINGLE PATIENT STATION, STANDARD ROOM STATION W/VO CODE BLUE LEVER - (SRS or GRS) (DEVICE EQUIPPED WITH STAFF ASSIST/VO CODE BLUE)	CC	48" AFF	
D	DUTY STATION - STANDARD ROOMS STATION W/VO CODE BLUE (SRS)	CC	48" AFF	
R/CB	ROOM CONTROL BOARD MOUNTED MINIMUM OF 6" ABOVE FINISHED CEILING	FF	ABOVE ACCESSIBLE CEILING	
TVI	NURSE CALL - TELEVISION CROSS ROOM CONTROL CONNECTION	NOTE#3	NA	
TVC	CURBELL WALL MOUNTED REMOTE ENTERTAINMENT STATION	BB	NA	
LL	NURSE CALL - OVERBED LIGHT LIGHTING CONNECTION	BB	NA	
NSC/SER	NURSE CALL NETWORK SWITCH MOUNTED INTO VENDOR RACK	NA	NA	

NURSE CALL BACK BOX SCHEDULE				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
AA	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.			
BB	DOUBLE GANG BACK BOX, 3 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.			
CC	3 DEVICE BACK BOX, NON GANGABLE, 3 1/2" DEEP AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.			
DD	DOUBLE GANG BACK BOX, 3 1/2" DEEP, AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE, CONFIRM WITH SYSTEM VENDOR FOR DEVICE RING SIZE FOR THIS DEVICE.			
EE	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH BLANK COVER PLATE AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.			
FF	12" X 12" X 4" STEEL BOX ENCLOSURE MOUNTED ABOVE ACCESSIBLE CEILING SPACE. ENCLOSURE PROVIDED BY NURSE CALL VENDOR.			

NURSE CALL CABLE SCHEDULE				
SYMBOL	DESCRIPTION	MODEL # (BELDEN)	BACK BOX	MTG. HEIGHT UNO (NOTE 1)
A	4 PAIR CAT 5/E 24HWG - NURSE CALL DATA CABLE	1583A		
B	2 CONDUCTOR 12AWG - NURSE CALL POWER	5000UE		
C	3 CONDUCTOR 22AWG, TV AND LOW VOLTAGE LIGHT RELAY	5501UE		
F	6 STRAND MULTIMODE FIBER, ARMORED	B8240		

NURSE CALL NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.
2. NURSE CONSOLE RECEPTACLE SHALL BE MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED, AND THE ACTUAL DEVICE SHALL RESIDE ON THE COUNTERTOP.
3. TV CONTROL OUTLET SHALL BE MOUNTED IN SAME BACK BOX AS THE TV COAX/DATA CABLE.

GENERAL SYMBOLS LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
2	2" UNLESS NOTED OTHERWISE, PRE-MANUFACTURED SLEEVE FIRE RATED PATHWAY DEVICE THROUGH RATED WALL, EMT, SLEEVE THROUGH NON-RATED WALL.			
VERTICAL CORE AND SLEEVE THROUGH FLOOR, PROVIDE EMT SLEEVE, EQUIPPED WITH PLASTIC BUSHING ON BOTH ENDS. REFER TO FLOOR PLANS FOR SIZING. RATING SHALL MATCH FLOOR BEING PENETRATED. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR RATINGS.				
POST	POST FREESTANDING EQUIPMENT RACK. SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.			
4 POST	4 POST FREESTANDING EQUIPMENT RACK. SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.			
BASKET TRAY	BASKET TRAY. SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.			
TELECOMMUNICATIONS GROUND BUSS BAR (TOB) - 1/4" X 4" X 1/2" C/PART # 40153-012 OR EQUAL				

OUTLET SYMBOLS LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
#/V	VOICE ONLY OUTLET		18" AFF	
#/D	HOSPITAL DATA NETWORK ONLY OUTLET		18" AFF	
#/V/D	COMBINATION VOICE & HOSPITAL DATA NETWORK OUTLET		18" AFF	
PM	PHYSIOLOGICAL MONITORING NETWORK OUTLET		18" AFF	
FM	FETAL MONITORING NETWORK OUTLET		18" AFF	
PM#ND	COMBINATION PHYSIOLOGICAL MONITORING NETWORK & HOSPITAL DATA NETWORK OUTLET		18" AFF	
W/V	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE. PROVIDE DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		48" AFF	
W/V	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE, MOUNTED ABOVE COUNTER, PROVIDE DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		42" AFF	
W/V	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE, MOUNTED ABOVE COUNTER, PROVIDE DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.		42" AFF	
FLOOR	FLOOR MOUNTED OUTLET, #=CABLE QUANTITY. REFER TO ELECTRICAL (E) SHEETS FOR ADDITIONAL ROUGH IN REQUIREMENTS.		FLOOR	
ABOVE ACCESSIBLE CEILING	CEILING MOUNTED OUTLET, #=CABLE QUANTITY. OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS AND LEAVE A MINIMUM 25 FEET COILED AT THE LOCATION.		ABOVE ACCESSIBLE CEILING	
ABOVE ACCESSIBLE CEILING	DATA OUTLET FOR WIRELESS ACCESS POINT DEVICE, #=CABLE QUANTITY. OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS AND LEAVE A MINIMUM 25 FEET COILED AT THE OUTLET LOCATION. CONTRACTOR SHALL RELOCATE OUTLETS AND MOUNT DEVICE PER OWNERS IT WIRELESS SURVEY.		ABOVE ACCESSIBLE CEILING	
ABOVE ACCESSIBLE CEILING	WIRELESS TELEMETRY MONITORING OUTLET, #=CABLE QUANTITY. OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS WITH A MINIMUM 25 FEET COILED AT THE OUTLET LOCATION. ROUTE OTHER END TO NEAREST TELEMETRY BACKBOARD LOCATION, LEAVING A MINIMUM 15 FEET COILED UP.		ABOVE ACCESSIBLE CEILING	
ABOVE ACCESSIBLE CEILING	DATA OUTLET FOR RTLS DEVICE, #=CABLE QUANTITY. OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS WITH A MINIMUM 25 FEET COILED AT THE DEVICE LOCATION.		ABOVE ACCESSIBLE CEILING	

VOICE/DATA NOTES:
1. VOICE DATA AND/OR COMBINATION OUTLET #=OUTLET/CABLE QUANTITY. PROVIDE DOUBLE GANG DEVICE BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.
3. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF OUTLETS FOR TELEVISIONS, INFO. MONITORS, DIGITAL SIGNAGE, AND/OR OTHER WALL MOUNTED MONITORS WITH VENDOR PROVIDED MOUNTING BRACKET PRIOR TO ROUGH IN.
4. 48" AFF INDICATES TO TOP OF DEVICE.
18" AFF INDICATES TO CENTER OF DEVICE.
80" AFF INDICATES TO BOTTOM OF DEVICE.
80" AFF INDICATES TO BOTTOM OF DEVICE.
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.
5. SOME DEVICES MAY HAVE SPECIAL DESCRIPTORS (MEDS, PTS, ETC.) CALLING OUT EQUIPMENT SERVED BY OUTLET. SEE ABBREVIATIONS FOR REFERENCE.
6. "V" AND "D" DESIGNATIONS MAY NOT BE USED IF FACILITY UTILIZES VOIP TELEPHONES, IN WHICH CASE ALL CABLING SHALL BE INSTALLED AS NETWORK CABLING WITHIN THE SAME PATCH PANELS.

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

TELEVISION ROUGH IN LEGEND				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
A	DOUBLE GANG BACK BOX, 2 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.			
B	DOUBLE GANG BACK BOX, 2 1/2" DEEP, WITH DOUBLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.			
C	TRIPLE GANG BACK BOX, 2 1/2" DEEP AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. POWER AND LOW VOLTAGE OUTLET SHALL SHARE SAME BACK BOX. CONTRACTOR TO PROVIDE VOLTAGE PARTITION WITHIN BACK BOX.			
D	ARLINGTON RECESSED AV BOX (PART # TVBS07), PROVIDE (1) 1" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.			
E	ARLINGTON RECESSED AV BOX (PART # TVBS03), PROVIDE (1) 1" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.			

TELEVISION NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES.
2. COORDINATE OUTLET LOCATION WITH TV MOUNTING BRACKET PRIOR TO ROUGH IN.
3. REFER TO RESPONSIBILITY MATRIX FOR OWNERSHIP OF RESPONSIBILITY AT TELEVISION DEVICE OUTLET.
4. REFER TO SECURITY SHEETS FOR DEVICE LOCATION.
5. 48" AFF INDICATES TO TOP OF DEVICE.
18" AFF INDICATES TO CENTER OF DEVICE.
80" AFF INDICATES TO BOTTOM OF DEVICE.
80" AFF INDICATES TO BOTTOM OF DEVICE.
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.
6. "V" AND "D" DESIGNATIONS MAY NOT BE USED IF FACILITY UTILIZES VOIP TELEPHONES, IN WHICH CASE ALL CABLING SHALL BE INSTALLED AS NETWORK CABLING WITHIN THE SAME PATCH PANELS.

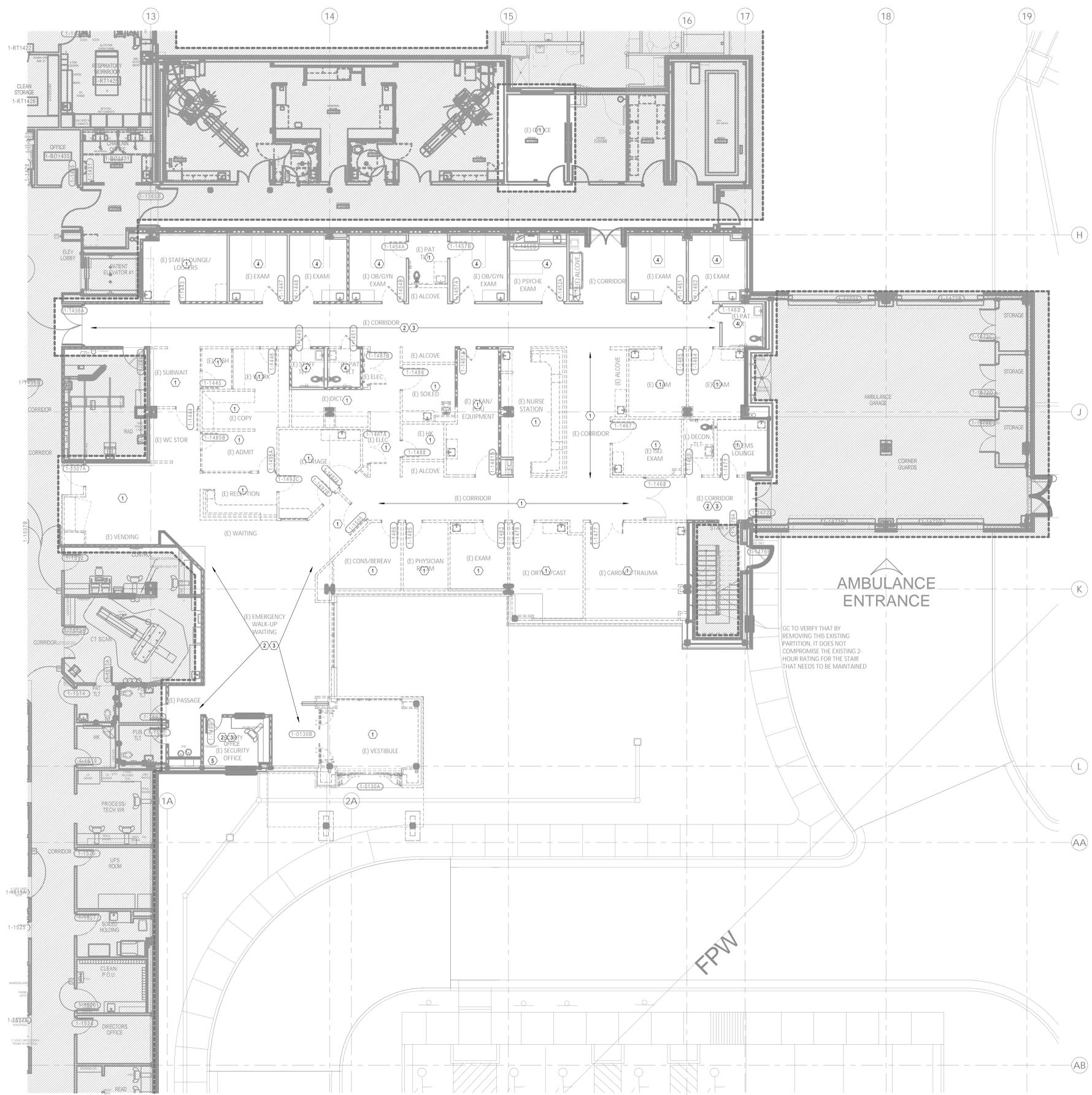
ABBREVIATIONS	
ACP	ACCESS CONTROL PANEL
AF	ABOVE FINISHED FLOOR
AFU	AUTHORITY HAVING JURISDICTION
AMP	OVERHEAD PAGING AMPLIFIER
AV	AUDIO VISUAL DEVICE/EQUIP (COORDINATE OUTLET INSTALLATION WITH AV VENDOR)
BA/SBMS	BUILDING AUTOMATION/ MANAGEMENT SYSTEM (COORDINATE OUTLET INSTALLATION WITH BMS VENDOR)
BVC	BARY VIEWING CAMERA DEVICE
CB	CABINET
CC	WALL MOUNTED "CCI" WORKSTATION (IF APPLICABLE)
CLK	WALL CLOCK
CP	COMPUTER WORKSTATION
CPU	CABLE TRAY
CT	DISTRIBUTED ANTENNA SYSTEM
DAS	DEMARCATION ROOM
DEMARC	DIAMETER
DIA	ELECTRICAL METAL TUBING
EMT	EQUIPMENT
EV	ELECTRIC VEHICLE CHARGING STATION
EQ	EXISTING
EX	FETAL MONITORING
FIN	INFANT PROTECTION SYSTEM
FD	INTERMEDIATE DISTRIBUTION FRAME (SEE TDR)
INFO	INFORMATION MONITOR
IS	"JUMPSTART" DEVICE (MOUNTED NEXT TO SPRING TIME CLOCK, MOUNT AT 48" AFF)
JS	LOW VOLTAGE
LV	MAXIMUM
MAX	MAXIMUM DISTRIBUTION FRAME (SEE TEC)
MDP	MEDICATION DISTRIBUTION EQUIPMENT
MEFS	MANUFACTURER
MFR	MINIMUM
MIN	MONITOR
MM	NOT APPLICABLE
NA	NURSE CALL
NC	NOT TO SCALE
NTS	NOT TO SCALE
OR INT	OPERATING ROOM INTEGRATION EQUIPMENT (COORDINATE INSTALLATION WITH OR INT. VENDOR)
PACS	PACS VIEWING STATION
PM	PHYSIOLOGICAL PATIENT MONITORING
PROX	WALL MOUNTED "PROXIMITY SYSTEMS" WORKSTATION (IF APPLICABLE)
PTV	PNEUMATIC TUBE SYSTEM (COORDINATE OUTLET INSTALLATION WITH PTS VENDOR)
PTV	PATENT TELEVISION
RTLS	REAL TIME LOCATING SYSTEM
TS	EMPLOYEE TIME CLOCK (MOUNTED AT 48" AFF)
TDR	TELECOMMUNICATIONS DISTRIBUTION ROOM (SEE IDF)
TELE	TELEMETRY SYSTEM
TRK	TRACKER MONITOR
TV	TELEVISION
UNO/UN W	UNLESS NOTED OTHERWISE/UNLESS OTHERWISE NOTED
WAP	WIRELESS ACCESS POINT
W/P	WEATHERPROOF
WRK	WALL MOUNTED WORKSTATION ON ARM

PUBLIC ADDRESS LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
PA S/P	PA SPEAKER, Z= ZONE NUMBER, M= MOUNT		NA	
PA H/P	PA SPEAKER - HORN TYPE, Z= ZONE NUMBER, M= MOUNT		NA	
PA V/Z	PA VOLUME CONTROL, DOUBLE GANG BACKBOX, 2 1/2" DEEP, WITH SINGLE GANG BACKBOX, 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING SPACE.		48" AFF	
PA AMP	PA AMPLIFIER, Z= ZONE NUMBER, M= MOUNT		NA	
PA H/P	PA HEADEND - MIXER, AUDIO INPUTS AND CONTROLS, Z= ZONE NUMBER, M= MOUNT		NA	

PUBLIC ADDRESS NOTES:
1. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL MOUNTED DEVICES.
2. 48" AFF INDICATES TO TOP OF DEVICE.
18" AFF INDICATES TO CENTER OF DEVICE.
80" AFF INDICATES TO BOTTOM OF DEVICE.
80" AFF INDICATES TO BOTTOM OF DEVICE.
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

INTERCOM LEGEND				
ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.				
SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)	
IC 1	INTERCOM MASTER CONTROL STATION - DESK MOUNTED, DOUBLE GANG BOX, 4" X 4", WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING.		18" AFF	
IC 2	INTERCOM REMOTE MONITORING LOCATION - DESK MOUNTED, DOUBLE GANG BACKBOX, 4" X 4", WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING.			

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



GENERAL NOTES:

- A. ALL EXISTING DEVICES MAY NOT BE SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ARCHITECTURAL PLANS AND OTHER TRADES TO DETERMINE THE 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.
- B. INFORMATION PROVIDED ON THESE DRAWINGS HAS BEEN TAKEN FROM DESIGN DRAWINGS AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PRICING AND COMMENCEMENT OF WORK.
- C. PROVIDE FOR ANY AND ALL DEMOLITION WORK NECESSARY TO ACCOMMODATE ALL NEW CONSTRUCTION, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING AND/OR ELECTRICAL WORK. WHERE EXISTING WALLS ARE BEING DEMOLISHED, REMOVE ALL EXISTING COMMUNICATIONS LOW VOLTAGE DEVICES AND THEIR ASSOCIATED CONDUITS, BACKBOXES AND CABLING BACK TO POINT OF ORIGIN. EXISTING CABLING PASSING THROUGH DEMO AREA, NOT BEING DEMOLISHED, SHALL BE SUPPORTED UTILIZING J-HOOK CABLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- D. 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.
- E. REMOVED EQUIPMENT SHALL BE THE PROPERTY OF THE OWNER UNLESS SPECIFIED OTHERWISE BY EITHER THE CONSTRUCTION DOCUMENTS OR THE OWNER. DEMOLITION MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- F. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF DAMAGE TO FIREPROOFING, FINISHES OR STRUCTURE CAUSED BY TELECOM, LOW-VOLTAGE, OR SECURITY CONTRACTORS. RESTORATION SHALL BE RESTORED TO SAME CONDITION AS BEFORE DAMAGE OCCURRED. CONTRACTOR SHALL 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.
- G. 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 ALARMS AND LOCKDOWN OF DEMOLITION AREA.
- H. EXISTING CABLING THAT IS TO REMAIN THAT WILL BE ROUTING THROUGH NEW WALL PARTITIONS, SHALL BE FITTED WITH A PRE-MANUFACTURED SPLIT SLEEVE DEVICE, FASTENED AROUND THE CABLING THAT IS EXISTING TO REMAIN. SLEEVE PENETRATION SHALL BE FIRE STOPPED TO MANUFACTURER'S SPECIFICATIONS TO MEET OR EXCEED THE WALL RATING THAT IS BEING PENETRATED.
- I. EXISTING CEILING MOUNTED DEVICES (WIPS, DAS ANTENNAS, TELEMETRY MONITORING ANTENNAS) WITHIN THIS ROOMAREA, SHALL BE DOCUMENTED OF CURRENT LOCATION, REMOVED, CLEANED, STORED AND REINSTALLED INTO NEW CEILING AT LOCATION PREVIOUSLY DOCUMENTED LOCATION. EXISTING CABLING LOCATED WITHIN AREAS WHERE CEILING IS TO BE REMOVED SHALL BE SUPPORTED WITH J-HOOKS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- J. EXISTING DEVICES WITHIN THIS ROOMAREA SHALL BE DETACHED FROM WALL AND PROTECTED IN PLACE TO ALLOW FOR NEW WALL COVERING TO BE APPLIED. DEVICE FACELATES AND NEW LABELING SHALL BE APPLIED TO EXISTING OUTLET JACKS AND REINSTALLED ONTO WALLS AFTER NEW WALL COVERINGS HAVE BEEN INSTALLED. ALL OTHER LOW VOLTAGE DEVICES (NURSE CALL, SECURITY, ETC.) SHALL BE DETACHED, PROTECTED IN PLACE AND REINSTALLED TO PREVIOUS LOCATION. EXISTING CABLING LOCATED WITHIN AREAS WHERE CEILING IS TO BE REMOVED SHALL BE SUPPORTED WITH J-HOOKS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- K. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING DEVICES (WIPS, DAS ANTENNAS, TELEMETRY MONITORING ANTENNAS) WITHIN THIS ROOMAREA, SHALL BE DOCUMENTED OF CURRENT LOCATION, REMOVED, CLEANED, STORED AND REINSTALLED INTO NEW CEILING AT LOCATION PREVIOUSLY DOCUMENTED. COORDINATE WITH G.E. SYSTEM VENDOR FOR REMOVAL, RELOCATION AND REINSTALLATION OF PATIENT MONITORING/TELEMETRY EQUIPMENT. CONTRACTOR SHALL COORDINATE WITH OWNER'S IT PERSONNEL FOR ALL OTHER SYSTEMS.

LEGEND NOTES:

- 1. EXISTING DEVICE AND ASSOCIATED CABLING, CONDUIT, AND BACKBOXES WITHIN THIS ROOMAREA SHALL BE DEMOLISHED TO POINT OF ORIGIN. EXISTING CABLING REMAINING WITHIN THE CEILING THAT ARE NOT TO BE DEMOLISHED SHALL BE SUPPORTED WITH J-HOOKS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- 2. ANY EXISTING CEILING MOUNTED DEVICES (WIPS, DAS ANTENNAS, TELEMETRY MONITORING ANTENNAS) WITHIN THIS ROOMAREA, SHALL BE DOCUMENTED OF CURRENT LOCATION, REMOVED, CLEANED, STORED AND REINSTALLED INTO NEW CEILING AT LOCATION PREVIOUSLY DOCUMENTED LOCATION. EXISTING CABLING LOCATED WITHIN AREAS WHERE CEILING IS TO BE REMOVED SHALL BE SUPPORTED WITH J-HOOKS INSTALLED PER DIVISION 27 SPECIFICATIONS.
- 3. EXISTING DEVICES WITHIN THIS ROOMAREA SHALL BE DETACHED FROM WALL AND PROTECTED IN PLACE TO ALLOW FOR NEW WALL COVERING TO BE APPLIED. DEVICE FACELATES AND NEW LABELING SHALL BE APPLIED TO EXISTING OUTLET JACKS AND REINSTALLED ONTO WALLS AFTER NEW WALL COVERINGS HAVE BEEN INSTALLED. ALL OTHER LOW VOLTAGE DEVICES (NURSE CALL, SECURITY, ETC.) SHALL BE DETACHED, PROTECTED IN PLACE AND REINSTALLED TO PREVIOUS LOCATION. EXISTING CABLING LOCATED WITHIN AREAS WHERE CEILING IS TO BE REMOVED SHALL BE SUPPORTED WITH J-HOOKS INSTALLED PER DIVISION 27 SPECIFICATIONS.

GC TO VERIFY THAT BY REMOVING THIS EXISTING PARTITION, IT DOES NOT COMPROMISE THE EXISTING 2-HOUR RATING FOR THE STAIR THAT NEEDS TO BE MAINTAINED

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ED EXPANSION

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CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
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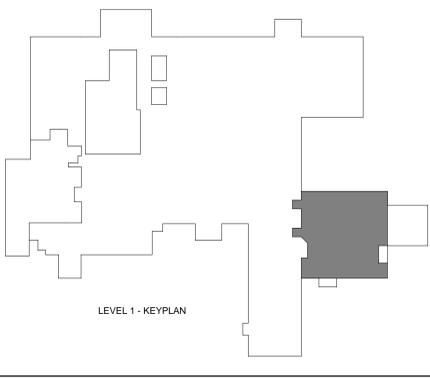
AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
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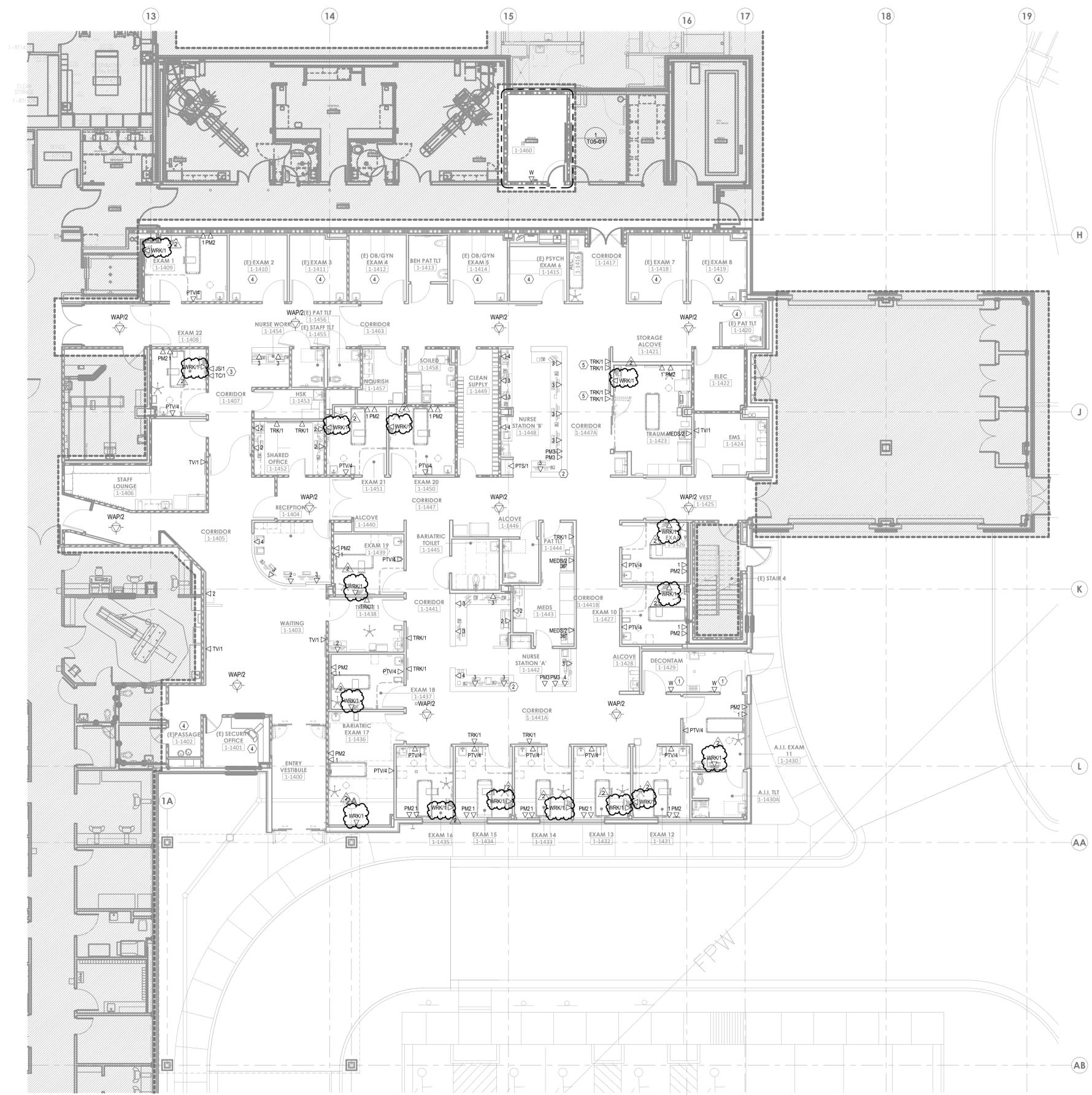
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DEMOLITION PLAN - LEVEL 01 - COMMUNICATIONS

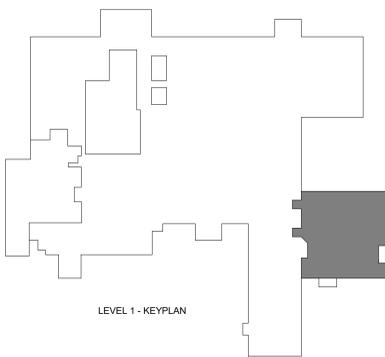
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6/20/2025 10:12:19 AM Autodesk Docs://64962624-HCA- Lee's Summit Medical Center (SMC)_LY23/0MED_LSM/ED Expansion_2025.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternate schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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



LEVEL 1 - KEY PLAN

GENERAL NOTES:

- A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL DEVICES.
- B. REFER TO SHEET T02-00 FOR GENERAL NOTES AND SYMBOLS APPEARING ON THIS SHEET.
- C. ALL DEVICES WITHIN ROOMS CONTAINING HARD PAN CEILING SHALL HAVE CONDUITS ROUTED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
- D. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90-DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS. IF THERE IS REVERSE BEND IN THE SECTION, A PULL POINT SHALL BE INSTALLED. PULL BOXES SHALL NOT BE USED IN LEV OF BENDS. THE INSIDE RADIUS OF ALL CONDUIT BENDS SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING INSTALLATION. NO DASHY CHAINING OF BACK BOXES ALLOWED UNLESS OTHERWISE NOTED.
- E. ALL CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING SPACE USING LOW-VOLTAGE SUPPORTS SIZED AT 4% FILL BASED ON CURRENT NEEDS.
- F. FOR ALL WALL MOUNTED MONITORS (TRACKERS, INFO, SECURITY, PATIENT, ETC.), CONTRACTOR SHALL COORDINATE ANY BACKBOX LOCATION AND MOUNTING HEIGHT WITH VENDOR PROVIDED MOUNTING BRACKET PRIOR TO ROUGH IN.

LEGEND NOTES

- 1. PROVIDE WEATHERPROOF DUAL GANG BACKBOX WITH DUAL GANG DEVICE RING FOR FLUSH MOUNTED WEATHERPROOF (ALGO #201 INTERCOM) WALL PHONE DEVICE. PROVIDE 1" CONDUIT PATHWAY FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE WITHIN CORRIDOR. ALGO WALL PHONE DEVICE PROVIDED AND INSTALLED BY OWNER VENDOR.
- 2. CONTRACTOR SHALL PROVIDE (1) 2" AND (1) 1" CONDUIT PATHWAY FROM WITHIN MILLWORK TO NEAREST ACCESSIBLE CEILING SPACE FOR CABLING PATHWAYS. CONDUIT SHALL BE HARD PIPE ONLY UNLESS OTHERWISE NOTED. FLEX PIPING AND DASHY CHAINING OF OUTLET BOXES SHALL NOT BE ALLOWED PER HCA REQUIREMENT. EMPTY CONDUIT SHALL CONTAIN PULL STRING.
- 3. PROVIDE TWO INDIVIDUAL NETWORK OUTLETS MOUNTED AT 48" AFF AT LOCATION SHOWN FOR OWNER PROVIDED KRONOS TIME CLOCK AND JUMPSTART DEVICE. COORDINATE WITH OWNER'S IT'S PERSONNEL FOR EXACT ROUGH IN REQUIREMENTS OF JUMPSTART DEVICE TO DETERMINE EXACT MOUNTING HEIGHT AND LOCATION OF POWER AND DATA.
- 4. EXISTING CABLING WITHIN THIS ROOM SHALL REMAIN AS IS. CONTRACTOR SHALL REMOVE EXISTING FACEPLATES AND OUTLET JACKS AND REPLACE WITH NEW. CONTRACTOR SHALL RECEPTIFY EXISTING CABLING PER DIVISION 27 TESTING SPECIFICATIONS.
- 5. TRACKER MONITORS ARE STACKED. REFER TO ARCHITECTURAL PLANS FOR TRACKER ELEVATIONS. COORDINATE BACK BOX LOCATIONS PRIOR TO ROUGH-IN.

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

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

FACILITY NUMBER:
097240011

AGENCY APPROVALS:
AGENCY

REV #	REVISIONS	DATE
2	ASH-002 - DESIGN COORDINATION	2025/10/24

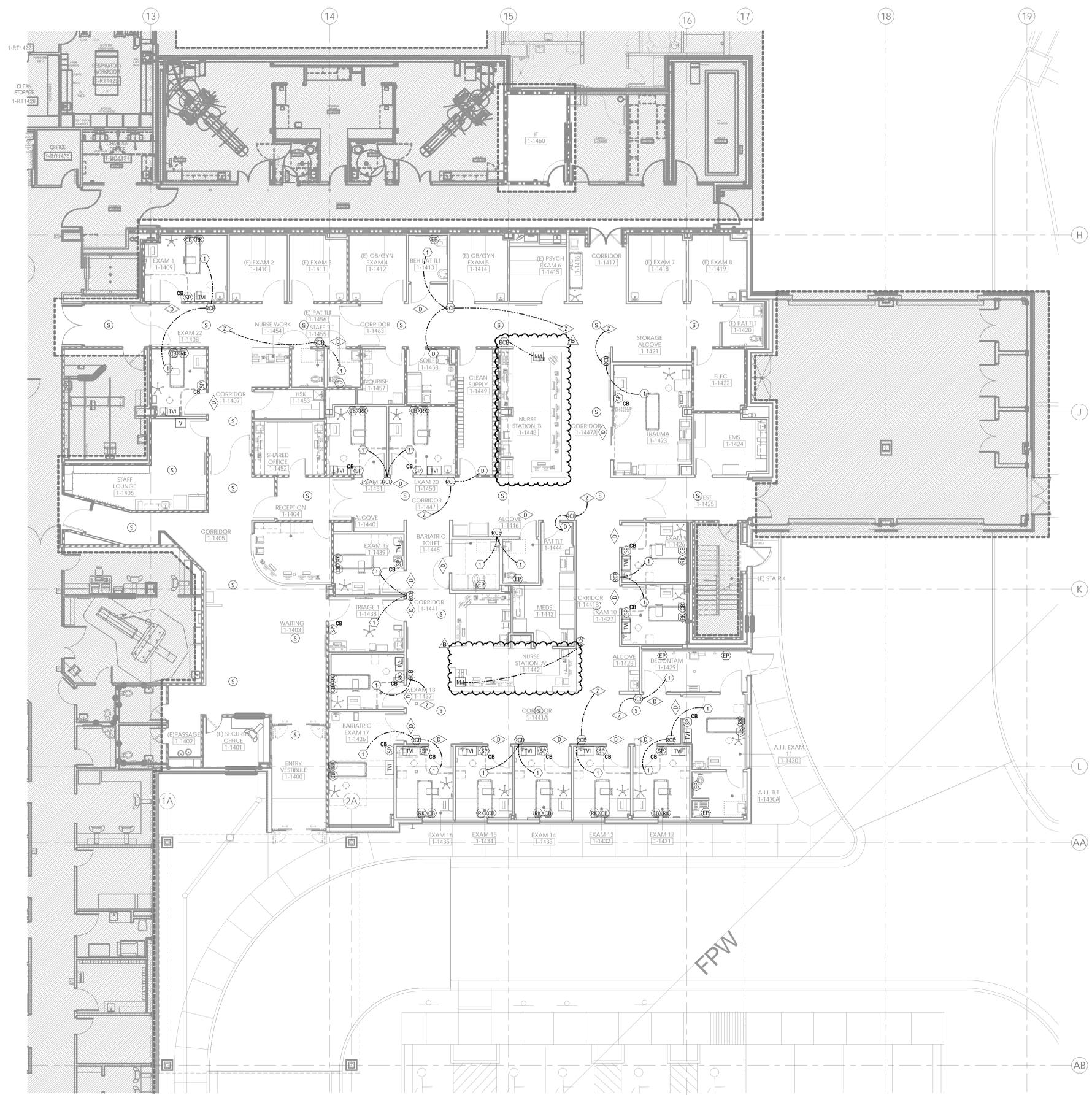
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SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 01 - COMMUNICATIONS

T02-01

Autodesk Docs://p026294-HCA- Lee's Summit Medical Center (LSMC)_rv023/MEP_LSMC ED Expansion_023.rvt 10/24/2025 2:04:37 PM

1 FLOOR PLAN - LEVEL 01 - LOW VOLTAGE
1/8" = 1'-0"

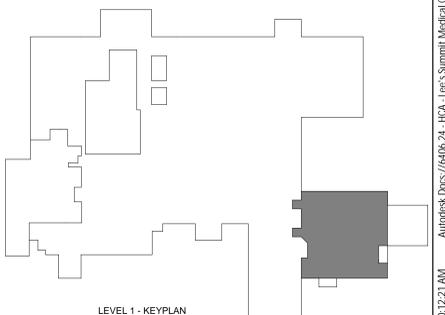


GENERAL NOTES:

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

LEGEND NOTES

- 1. LINE SHOWN TO DESIGNATE WHICH ROOM(S) ARE TO BE FED FROM EACH ROOM CONTROL BOARD (RCB) DEVICE.



LEVEL 1 - KEYPLAN

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STATE OF MISSOURI
REGISTERED
ELECTRICAL ENGINEER
JULIUS J. WISSE
06/05/2025
WSP USA Buildings Inc. 2013001881

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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

FACILITY NUMBER:
0972400011

AGENCY APPROVALS:
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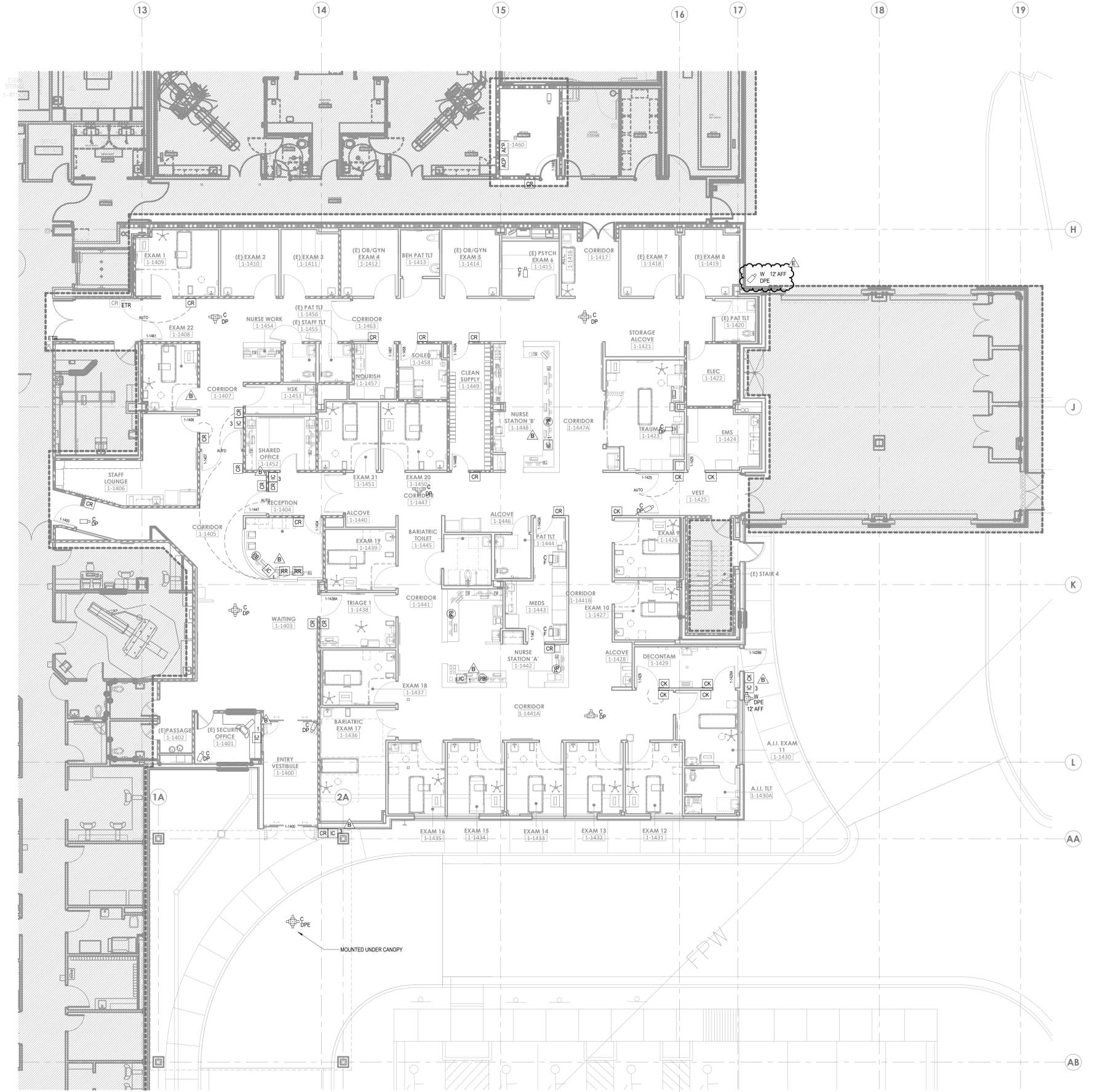
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REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/06/05

DATE: 04/18/25
SCALE: 1/8" = 1'-0"
DRAWN: WSP
REVIEWED: WSP
JOB NUMBER: US0040241.3707

FLOOR PLAN - LEVEL 01 -
LOW VOLTAGE

T03-01

6/20/2025 10:12:27 AM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (SMC)_LV23/01ED - LSW/ED Expansion_023.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



GENERAL NOTES:

- A. REFER TO SHEET T00-00 FOR SYMBOLS AND ADDITIONAL GENERAL NOTES PERTAINING TO THIS SHEET.
- B. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL WALL MOUNTED DEVICES.
- C. ALL DEVICES WITHIN AREAS OF HARD PAN CEILINGS SHALL BE PIPED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
- D. ALL LOW VOLTAGE CABLES SHALL BE INSTALLED IN LOW VOLTAGE CABLING SUPPORT SYSTEM DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS.
- E. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS.
- F. WIRING TO DEVICES SHALL MEET OR EXCEED MANUFACTURER SPECIFICATIONS.
- G. DOOR HARDWARE PROVIDED AND/OR INSTALLED BY DIVISION 08 IS SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION AND INSTALLATION METHODS FOR THESE DEVICES SHALL BE BY DIVISION 08.
- H. SECURITY ACCESS CONTROL, DOOR HARDWARE, AND ELECTRICAL CONTRACTORS SHALL COORDINATE FOR INFRASTRUCTURE, INSTALLATION, AND OPERATIONAL VERIFICATION OF ACCESS CONTROLLED DOOR SYSTEMS PRIOR TO ROUGH-IN.
- I. NOT ALL DOOR DEVICES MAY BE SHOWN ON THIS SHEET. REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATION FOR HARDWARE LISTING.
- J. SEPARATE POWER SUPPLIES MAY BE REQUIRED. REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATION AND MANUFACTURER REQUIREMENTS. DIVISION 28 CONTRACTOR SHALL PROVIDE POWER CIRCUIT AS REQUIRED.
- K. ALL DOORS HAVING A CARD READER SHALL BE PROVIDED WITH DOOR CONTACT(S) AND A REQUEST-TO-EXIT SIGNALING DEVICE FOR DOOR STATUS/ DOOR FORCED NOTIFICATION CAPABILITY.
- L. DOOR STATUS SWITCH LOCATION MAY REQUIRE ADJUSTMENT DUE TO DOOR HARDWARE INTERFERENCE. DOOR STATUS SWITCH SHALL BE INSTALLED AS CLOSE TO DOOR STRIKE SIDE OF FRAME AS POSSIBLE.
- M. SECURITY AND DOOR HARDWARE CONTRACTORS SHALL PROVIDE PROPER DELAY/ SYNCHRONIZATION BETWEEN LOCKS, LATCHES, MAGNETIC LOCKS, AND AUTO OPERATORS AS PER DOOR HARDWARE SPECIFICATIONS OPERATIONAL NOTES.
- N. ACCESS CONTROL JUNCTION BOX SHALL BE INSTALLED ON SECURE SIDE OF DOOR, IN AN ACCESSIBLE LOCATION. BOX SHALL BE MINIMUM 4X4 DEEP BOX WITH BLANK COVER PLATE. PROVIDE 1" MIN PATHWAY FROM BOX TO SECURE SIDE OF WALL.
- O. FIRE DROP RELAY SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR FOR DOOR HARDWARE AND POWER SUPPLIES REQUIRING A FIRE ALARM INTERFACE.
- P. CEILING MOUNTED VIDEO SURVEILLANCE CAMERAS SHALL BE PROVIDED WITH A 15' CABLE SERVICE LOOP ABOVE CEILING AT CAMERA END.
- Q. VIDEO SURVEILLANCE CAMERA SHOWN IN COMM ROOM FOR COORDINATION PURPOSES ONLY. CAMERA SHALL PATCH DIRECTLY INTO NETWORK SWITCH LOCATED WITHIN THIS ROOM. ADDITIONAL CABLING AND TERMINATION IS NOT REQUIRED.



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 SUMMIT, MO 64063

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

FACILITY NUMBER:
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AGENCY APPROVALS:
 AGENCY

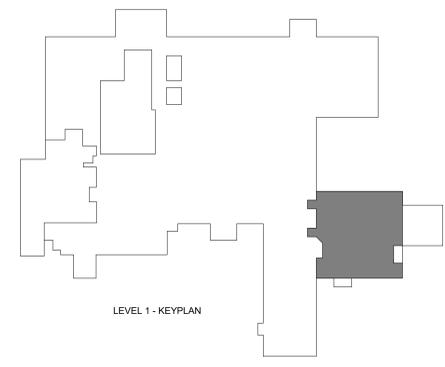
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E	DESIGN COORDINATION	2025/07/30

DATE: 04/18/25
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 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

FLOOR PLAN - LEVEL 01 - SECURITY

T04-01

1 FLOOR PLAN - LEVEL 01 - SECURITY
 1/8" = 1'-0"



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REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/06/05

DATE: 04/18/25
 SCALE: As Indicated
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: US0040241.3707

ENLARGED FLOOR PLAN
 TECHNOLOGY

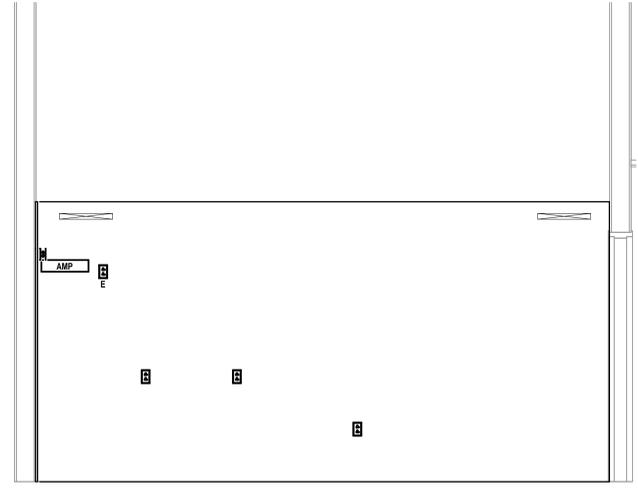
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GENERAL NOTES:

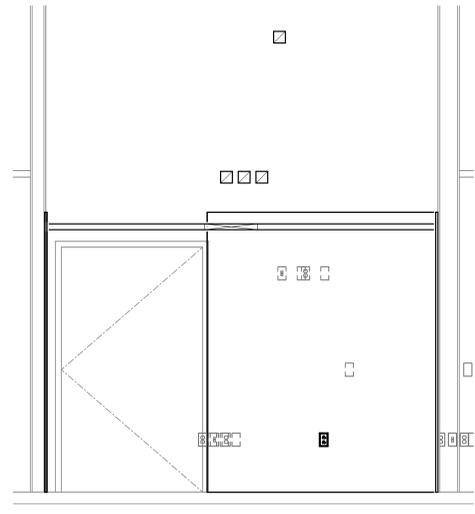
- ALL METAL SURFACES WITHIN IDF ROOMS SHALL BE BONDED TO GROUND BUS BAR AS PER J-STD-607 STANDARDS.
- ELECTRICAL, FIRE, SAFETY AND MECHANICAL DEVICES ARE SHOWN FOR LOCATING PURPOSES ONLY. REFER TO ELECTRICAL AND MECHANICAL SHEETS FOR ADDITIONAL DETAILS.
- NO SPRINKLER HEADS OR PIPING SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRONIC EQUIPMENT RACKS IN THE IDF/COMM ROOMS. GASES SHALL BE INSTALLED ON SPRINKLER HEADS TO PREVENT ACCIDENTAL DISCHARGE. NO MAIN SPRINKLER PIPING SHALL ENTER THE IDF/COMM SPACE. ONLY BRANCHES OF THE PIPING SYSTEM SPECIFICALLY SERVICING THE IDF ROOMS SHALL BE PERMITTED TO PENETRATE IDF/COMM ROOMS.
- PENETRATION INTO CORRIDORS SHALL BE POSITIONED 6" ABOVE THE ASSOCIATED CORRIDOR CABLE TRAY.
- SYSTEMS THAT ARE NOT DIRECTLY RELATED TO THE SUPPORTING IDF/COMM ROOMS ARE NOT PERMITTED TO PASS THROUGH IDF/COMM ROOMS.
- AIR TEMPERATURE WITHIN ROOM SHALL BE MAINTAINED BETWEEN 65 AND 76 DEGREES FAHRENHEIT MEASURED AT THE THERMOSTAT LOCATION.
- HUMIDITY MUST REMAIN WITHIN RANGE OF 50% TO 60%.
- SYSTEM VENDOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT WITHIN IDF/COMM ROOMS WITH OWNER'S REPRESENTATIVE(S) PRIOR TO INSTALLATION. NO WORK SHALL PROCEED PRIOR TO OWNER APPROVAL.
- DATA DEVICE SCHEDULE SHOWN FOR OWNER USE ONLY. CONTRACTOR SHALL PERFORM THEIR OWN CALCULATIONS FOR BID.

LEGEND NOTES:

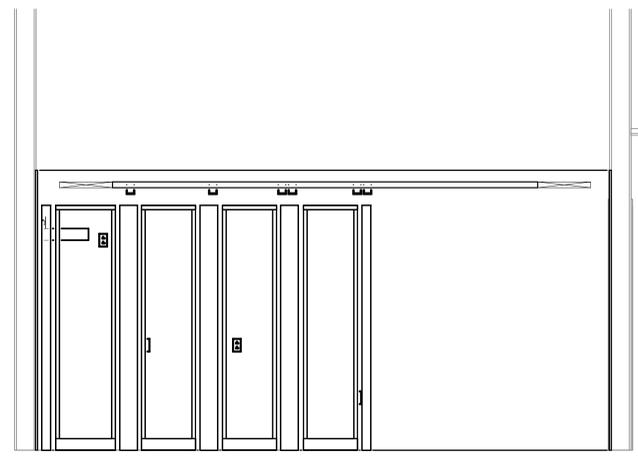
- PROVIDE 1/2" AC GRADE FIRE RETARDANT PLYWOOD WITH TWO COATS OF PAINT (MATCH WALL COLOR) FROM FINISHED FLOOR TO 8' AFF ON THIS ENTIRE WALL AS SHOWN. MANUFACTURER FIRE RATING STAMP SHALL BE LEFT UNCOVERED ON "A" SIDE FOR INSPECTION ON EACH SHEET OF PLYWOOD WITHIN IDF/COMM ROOM.
- ELECTRICAL OUTLET ON NORMAL POWER FOR CONVENIENCE RECEPTACLE. OUTLET SHOWN FOR COORDINATION PURPOSES ONLY. OUTLET SHALL BE MOUNTED 18" AFF.
- LOCATION OF TELECOMMUNICATIONS GROUNDING BUS BAR (TGB). ELECTRICAL CONTRACTOR SHALL PROVIDE A TELECOMMUNICATIONS GROUND BACKBONE FROM BUILDING GROUND. ALL BONDING WITHIN THIS ROOM SHALL BE DEDICATED HOME-RUN CONNECTIONS FROM INDIVIDUAL EQUIPMENT HARDWARE TO THE TGB. NO DASHY-CHAINING OF GROUND SHALL BE PERMITTED OTHER THAN BASKET TRAY. BUS BAR SHALL BE MOUNTED AT 78" AFF.
- LOCATION OF OVERHEAD PIPING AMPLIFIER SYSTEM EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE DUPLEX POWER OUTLET ON EMERGENCY POWER MOUNTED AT 72" AFF.
- LOCATION OF CATV TELEVISION JUNCTION EQUIPMENT. CONTRACTOR SHALL ACCOUNT FOR APPROXIMATELY 4"x4" OF WALL SPACE FOR CABLE TERMINATIONS AND EQUIPMENT TO BE PLACED IN THIS LOCATION BY TELEVISION SYSTEM VENDOR. ELECTRICAL CONTRACTOR SHALL PROVIDE (2) DUPLEX POWER OUTLETS, ON NORMAL POWER, MOUNTED AT 36" AFF AT THIS LOCATION. COORDINATE WITH TELEVISION SYSTEM VENDOR FOR ADDITIONAL REQUIREMENTS WITHIN THIS AREA.
- LOCATION OF SECURITY ACCESS CONTROL PANEL(S). ELECTRICAL CONTRACTOR SHALL PROVIDE A MINIMUM OF (1) DUPLEX RECEPTACLE, ON EMERGENCY POWER, FOR EACH PANEL. COORDINATE EXACT PLACEMENT OF RECEPTACLES WITH THE DIVISION 28 ACCESS CONTROL INSTALLATION CONTRACTOR PRIOR TO ROUGH IN. DIVISION 27 CONTRACTOR SHALL COORDINATE NETWORK CONNECTION REQUIREMENTS WITH THE ACCESS CONTROL INSTALLATION CONTRACTOR.
- AREA DESIGNATED FOR OPTIC DISTRIBUTED ANTENNA SYSTEM (DAS) EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE DUPLEX POWER OUTLET ON EMERGENCY POWER MOUNTED AT 18" AFF.
- LIGHT SWITCH SHOWN FOR COORDINATION PURPOSES ONLY.
- FIRE ALARM STROBE SHOWN FOR COORDINATION PURPOSES ONLY.
- THERMOSTAT DEVICE SHOWN FOR COORDINATION PURPOSES ONLY. DEVICE SHALL BE MOUNTED ON "COLD" SIDE OF EQUIPMENT CABINET/TRACKS AS SHOWN.
- PROVIDE 18"x2" WIRE MESH BASKET TRAY AS SHOWN. MOUNT BASKET TRAY AT 7' 6" ABOVE FINISHED FLOOR AND CONNECT BASKET TRAY TO EQUIPMENT RACKS UTILIZING MANUFACTURER'S ELEVATION KITS. CONTRACTOR SHALL UTILIZE MANUFACTURER'S "WATERFALL" DEVICES FOR TRANSITIONING OF CABLES FROM BASKET TRAY TO WITHIN VERTICAL WIRE MANAGER/CABINETS.
- ELECTRICAL OUTLETS, ON EMERGENCY POWER, MOUNTED TO SIDE OF BASKET TRAY. CENTER OUTLETS OVER VERTICAL WIRE MANAGEMENT BETWEEN EQUIPMENT RACKS AS SHOWN.
- CONTRACTOR SHALL PROVIDE 4" PRE-MANUFACTURED FIRE SLEEVE DEVICES THROUGH RATED WALL FOR CABLE PATHWAY.
- CONTRACTOR SHALL PROVIDE 4" CORES/SLEEVES THROUGH FLOOR FOR BACKBONE CABLING PATHWAY. SLEEVES SHALL BE INSTALLED A MINIMUM OF 4" ABOVE AND BELOW DECK, SEALED TO MAINTAIN RATING OF FLOOR BEING PENETRATED AND FITTED WITH PLASTIC BUSHINGS. UNUSED SLEEVES SHALL BE SEALED FOR FUTURE USE.
- CONTRACTOR SHALL PROVIDE 4" WIDE LADDER RUNWAY (MATS/WORTH PART# 1025-724) MOUNTED VERTICALLY ON WALL FOR BACKBONE CABLING SUPPORT. RUNWAY SHALL EXTEND FROM JUST ABOVE FLOOR SLEEVES/CONDUITS TO JUST BELOW HORIZONTAL BASKET TRAY. LADDER RUNWAY SHALL BE BONDED TO TGB WITHIN ROOM.



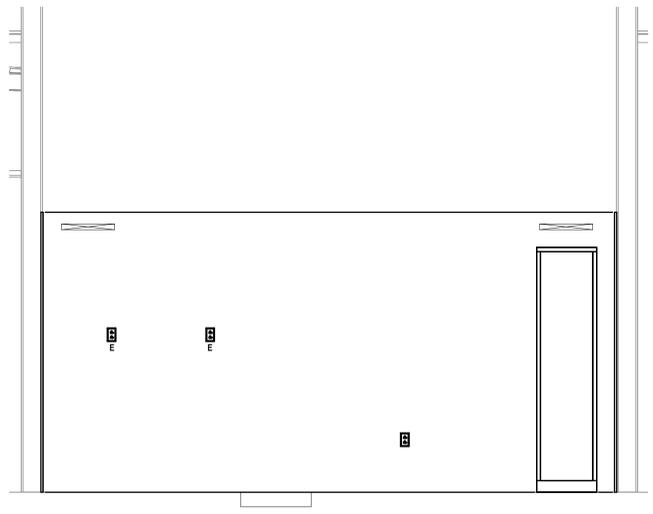
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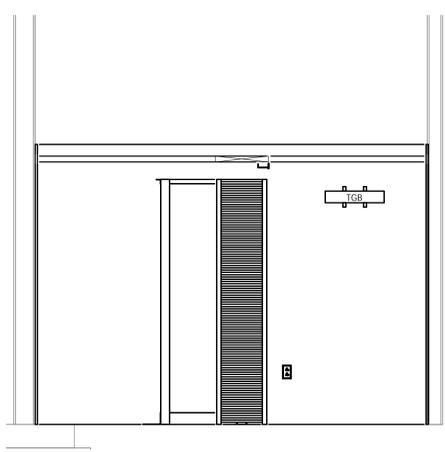
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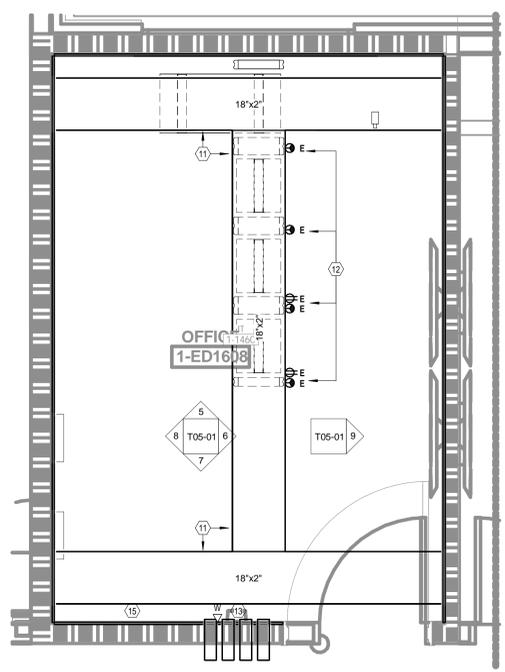
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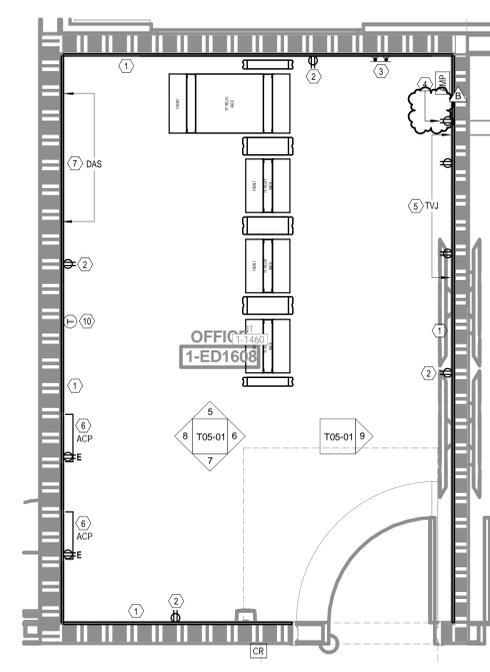
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5 IDF 1-1460 ELEVATION 1
 1/2" = 1'-0"



3 ENLARGED IT 1-1460 - UPPER
 1/2" = 1'-0"



1 ENLARGED IT 1-1460 - LOWER
 1/2" = 1'-0"

6/20/2025 10:12:26 AM Autodesk Docs://640624-1-HCA- Lee's Summit Medical Center (SMC)_LY23/MEP - SMC/ED Expansion_223.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



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300 WYANDOTTE, SUITE 200
 KANSAS CITY, MO 64105



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ED 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

FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: NTS
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

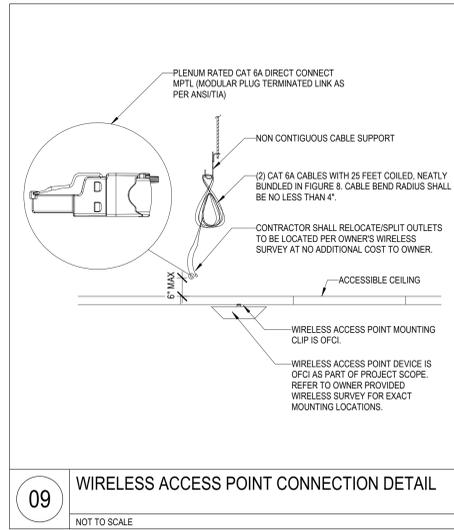
RISER DIAGRAM - TECHNOLOGY

T06-01

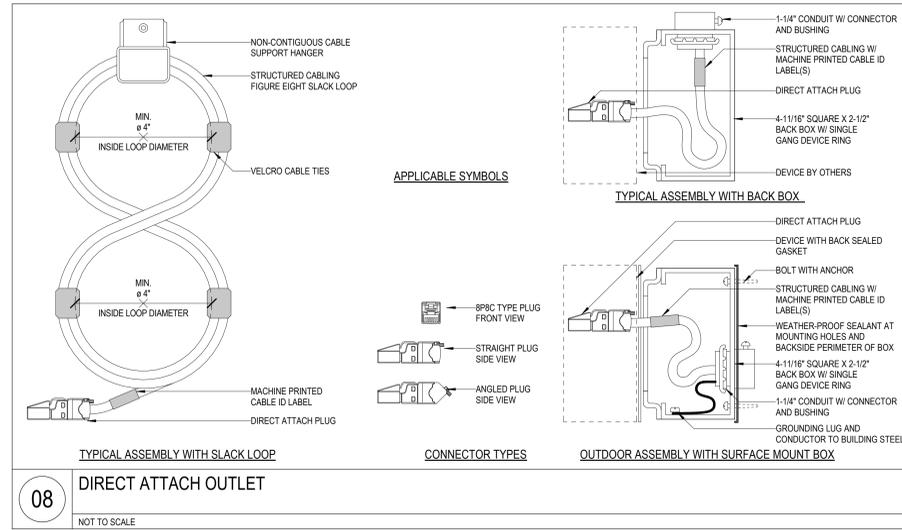


BASEMENT
 ① TECHNOLOGY SYSTEMS BACKBONE RISER
 NTS

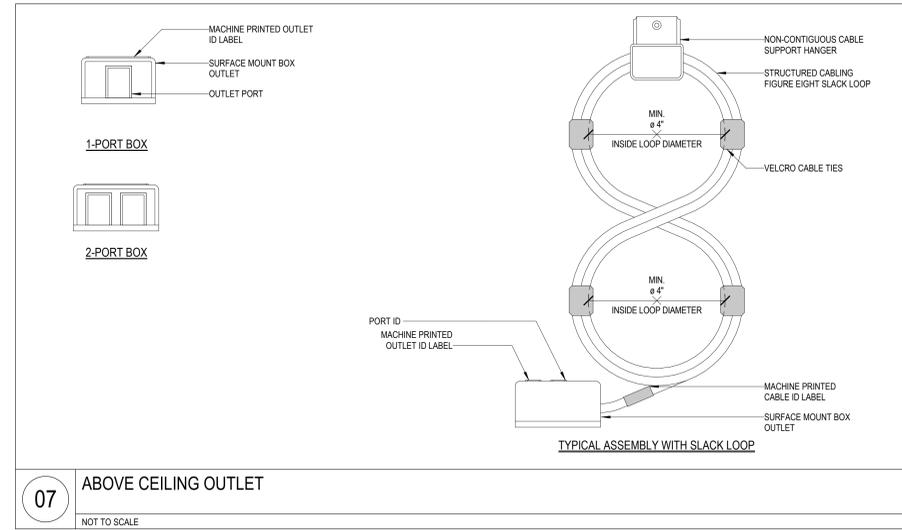
Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_rv23/MEP - LSME ED Expansion_R23.rvt 4/22/2025 1:45:27 PM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.



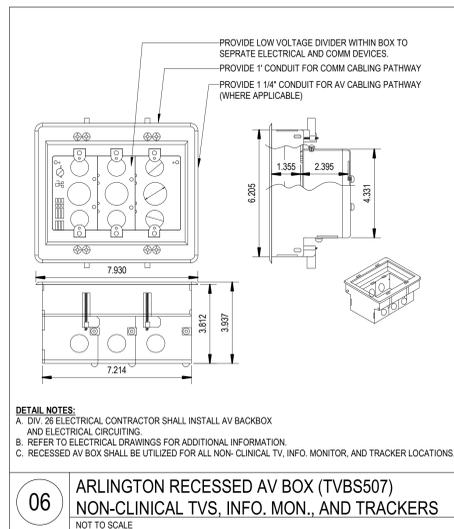
09 WIRELESS ACCESS POINT CONNECTION DETAIL
NOT TO SCALE



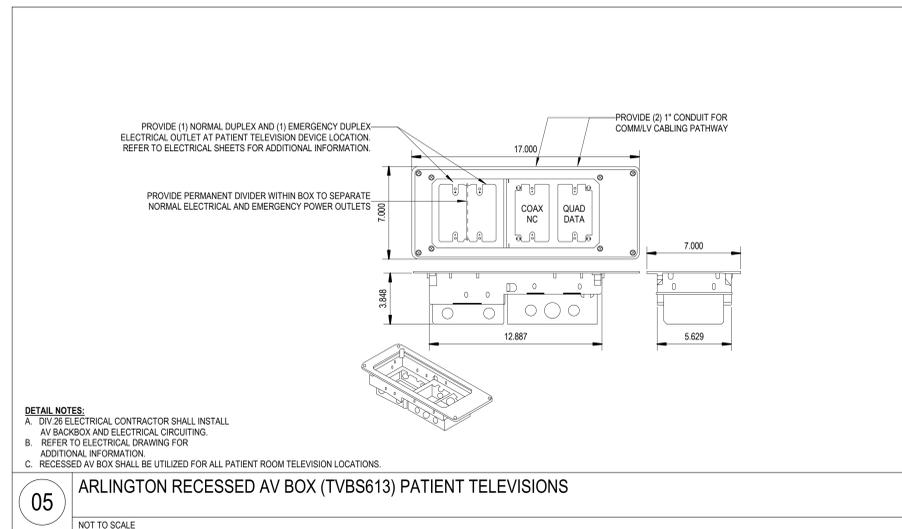
08 DIRECT ATTACH OUTLET
NOT TO SCALE



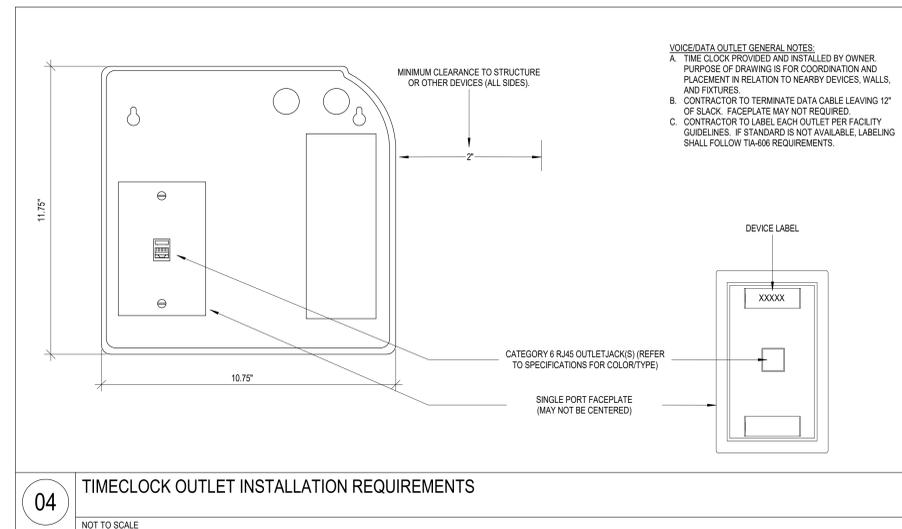
07 ABOVE CEILING OUTLET
NOT TO SCALE



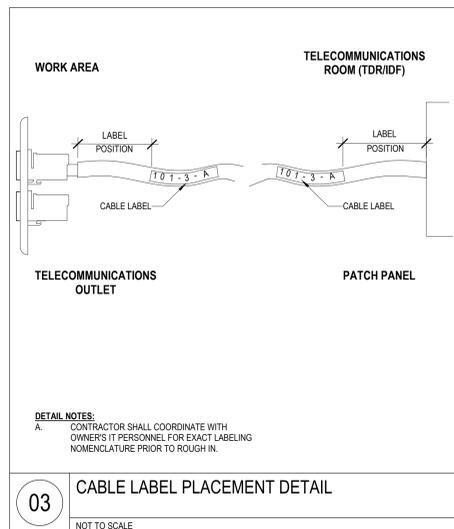
06 ARLINGTON RECESSED AV BOX (TVBS07) NON-CLINICAL TVS, INFO, MON., AND TRACKERS
NOT TO SCALE



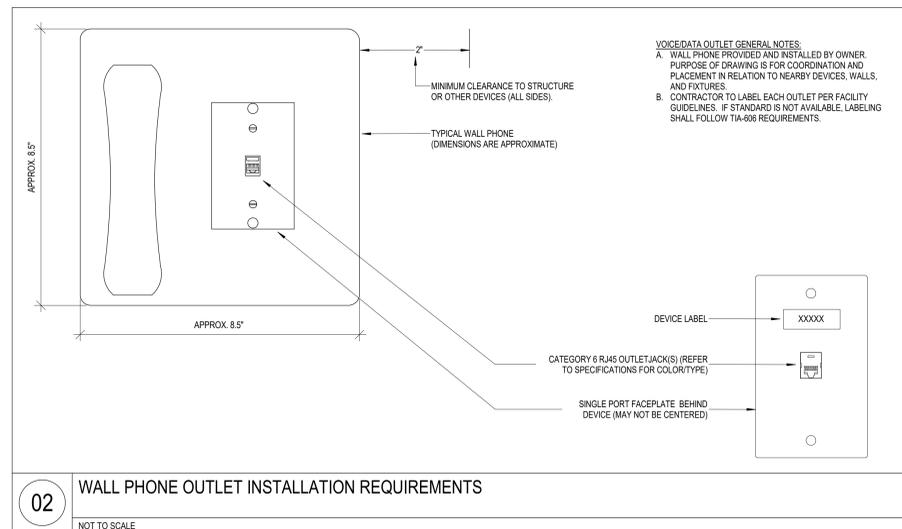
05 ARLINGTON RECESSED AV BOX (TVBS613) PATIENT TELEVISIONS
NOT TO SCALE



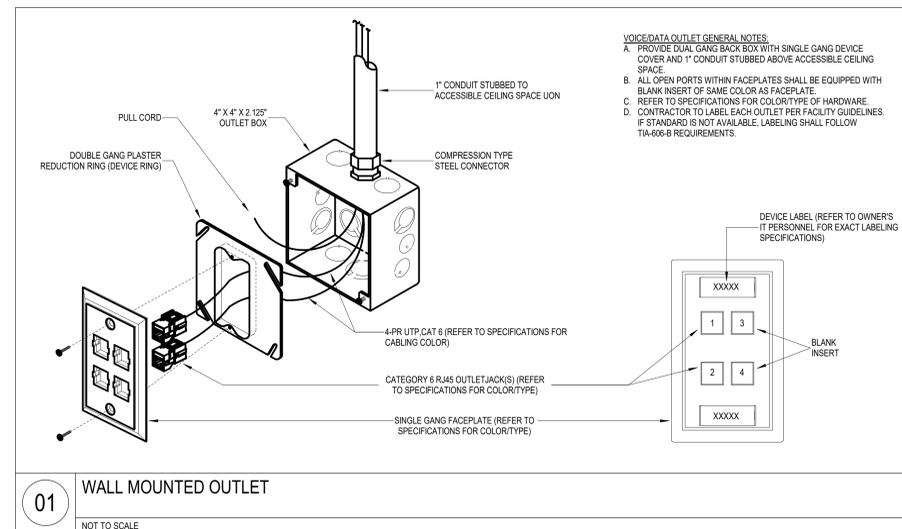
04 TIMECLOCK OUTLET INSTALLATION REQUIREMENTS
NOT TO SCALE



03 CABLE LABEL PLACEMENT DETAIL
NOT TO SCALE



02 WALL PHONE OUTLET INSTALLATION REQUIREMENTS
NOT TO SCALE



01 WALL MOUNTED OUTLET
NOT TO SCALE

REVISIONS		
REV #	DESCRIPTION	DATE

Autodesk Doc./16/06/24 - HCA - Lee's Summit Medical Center (LSMC) - LVS23/MEP - LSME ED Expansion - 02.3.rvt 4/27/2025 1:45:55 PM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payment 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.

ED 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

FACILITY NUMBER:
 0972400011

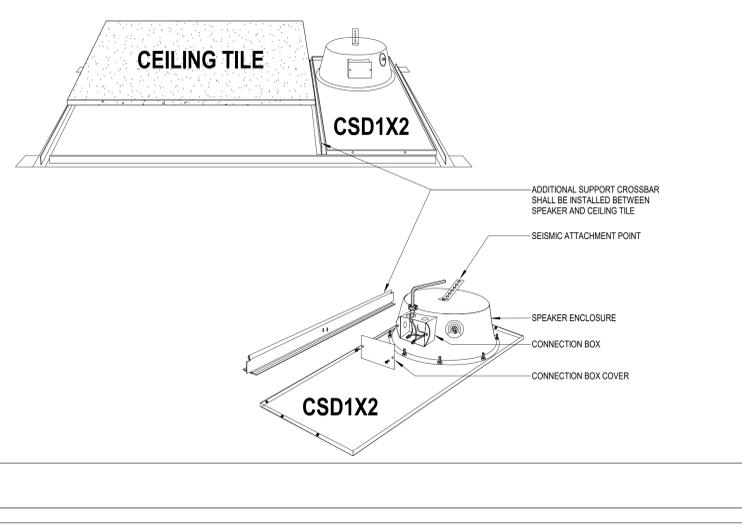
AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

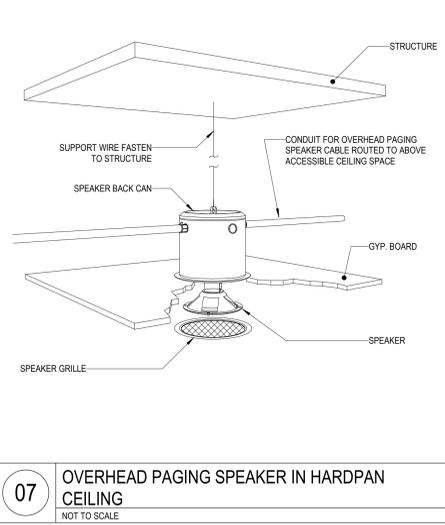
DATE: 04/18/25
 SCALE: 3/32" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

DETAILS - TECHNOLOGY

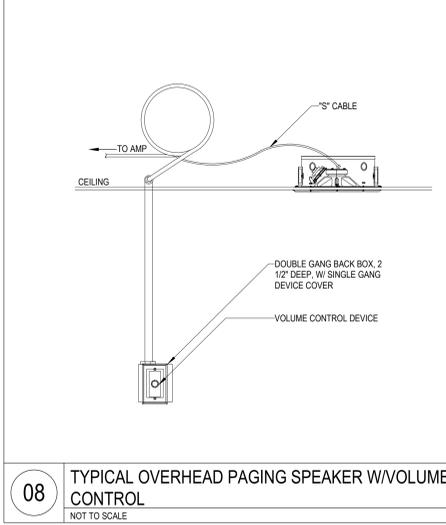
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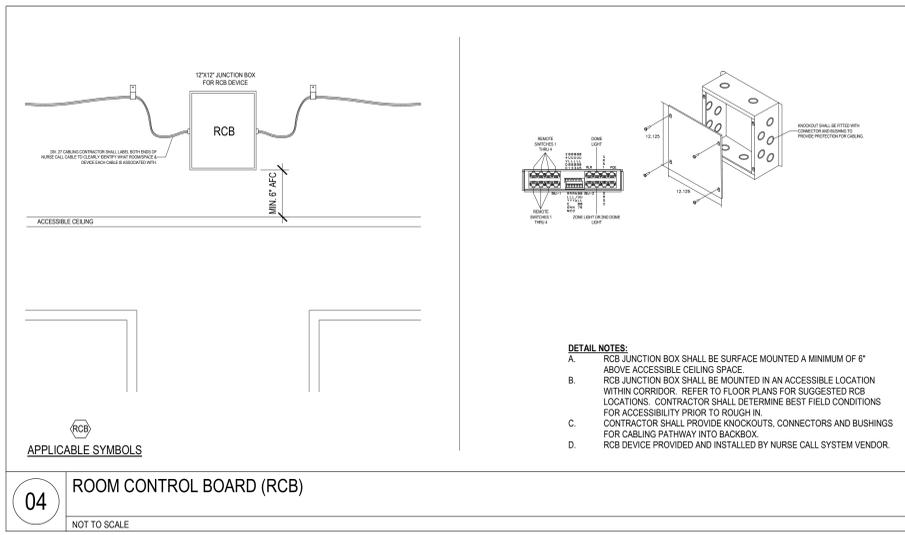
06 SURFACE MOUNTED OUTDOOR SPEAKER DETAIL
 NOT TO SCALE



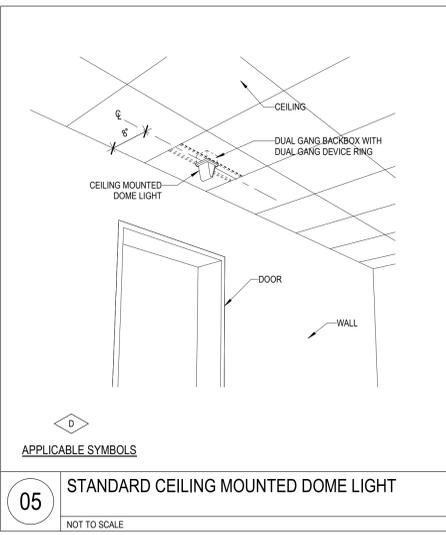
07 OVERHEAD PAGING SPEAKER IN HARDPAN CEILING
 NOT TO SCALE



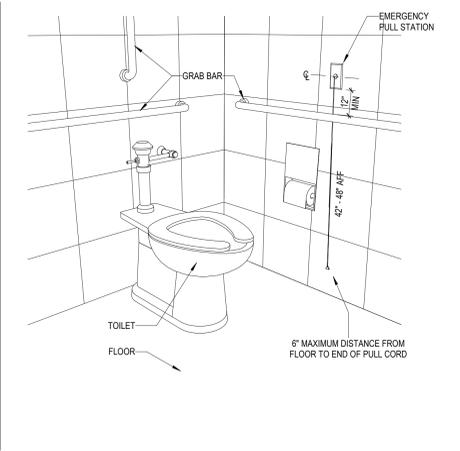
08 TYPICAL OVERHEAD PAGING SPEAKER W/VOLUME CONTROL
 NOT TO SCALE



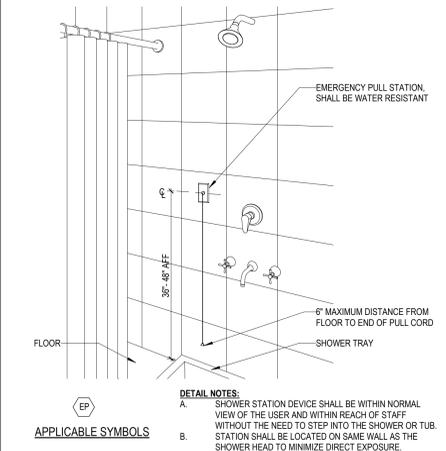
04 ROOM CONTROL BOARD (RCB)
 NOT TO SCALE



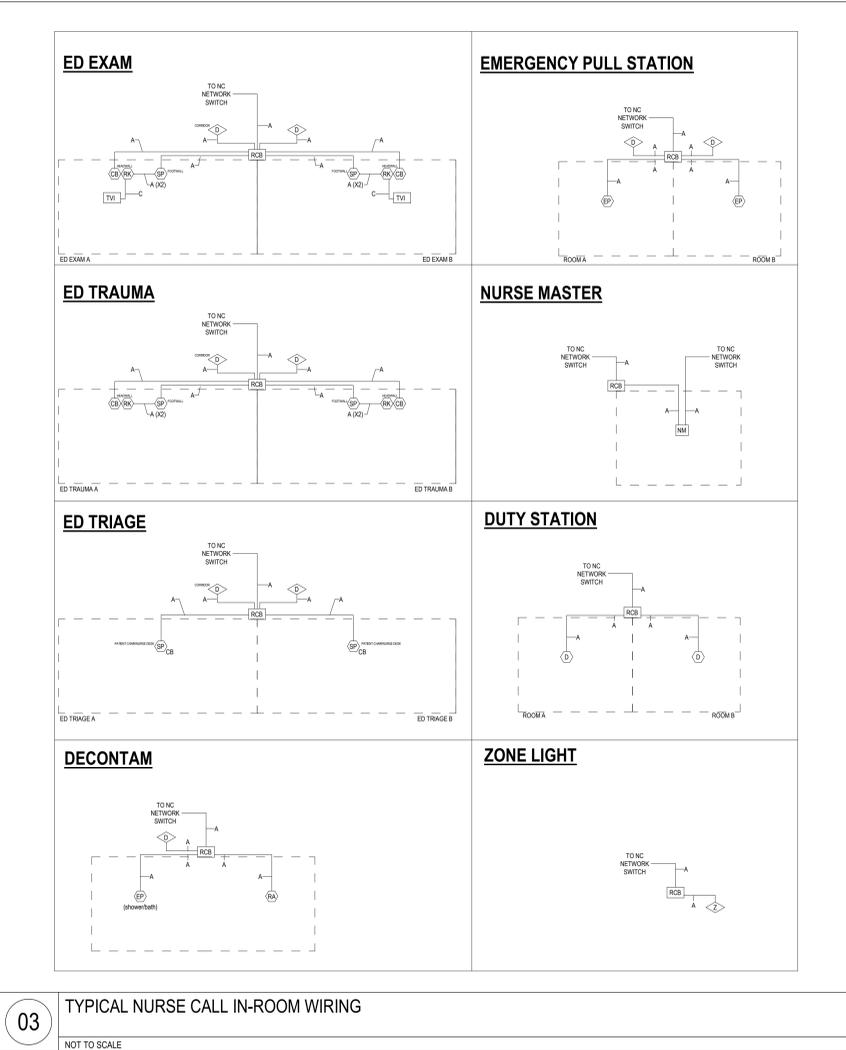
05 STANDARD CEILING MOUNTED DOME LIGHT
 NOT TO SCALE



01 STANDARD LAVATORY EMERGENCY PULL STATION
 NOT TO SCALE



02 STANDARD SHOWER EMERGENCY PULL STATION
 NOT TO SCALE



03 TYPICAL NURSE CALL IN-ROOM WIRING
 NOT TO SCALE

4/27/2025 1:45:56 PM Autodesk Docs://640624-HCA- Lee's Summit Medical Center (LSMC)_LV23/MEP - LSME ED Expansion: 02.rvt Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payment 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.

ED 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

FACILITY NUMBER:
 0972400011

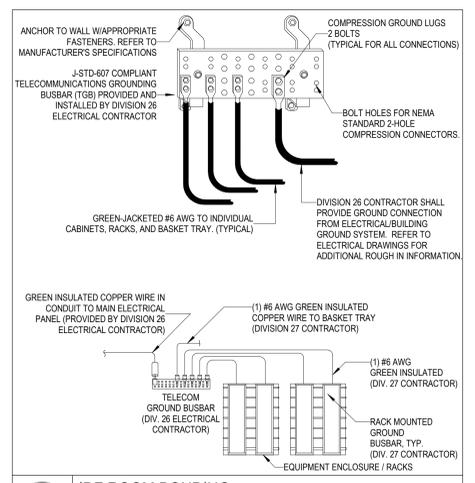
AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

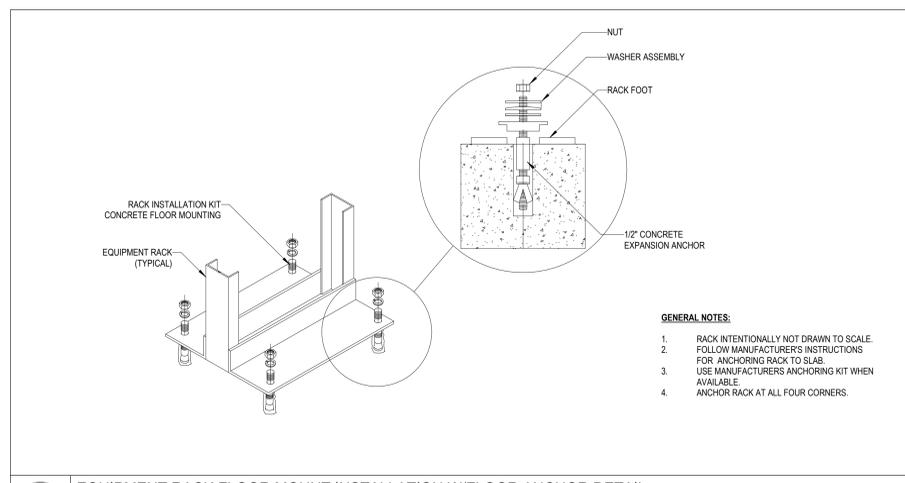
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 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

DETAILS - TECHNOLOGY

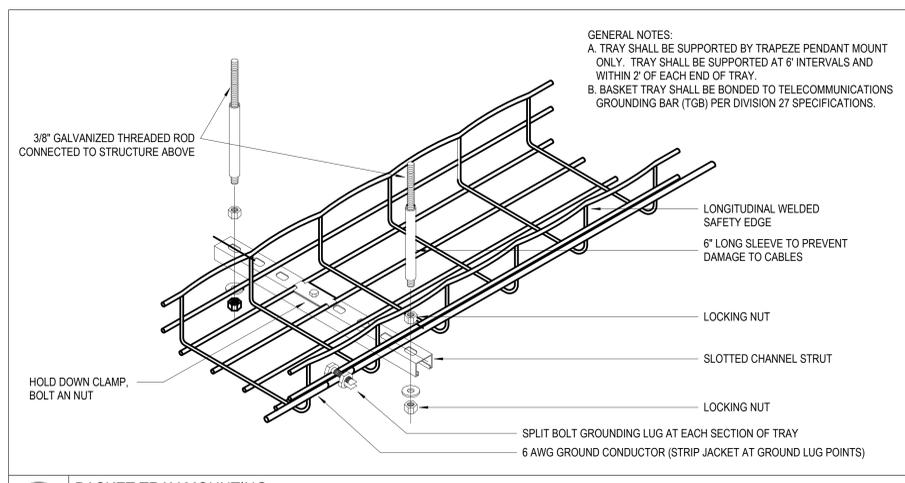
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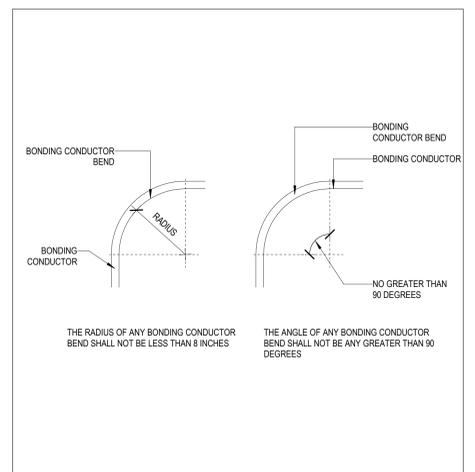
06 IDF ROOM BONDING
 NOT TO SCALE



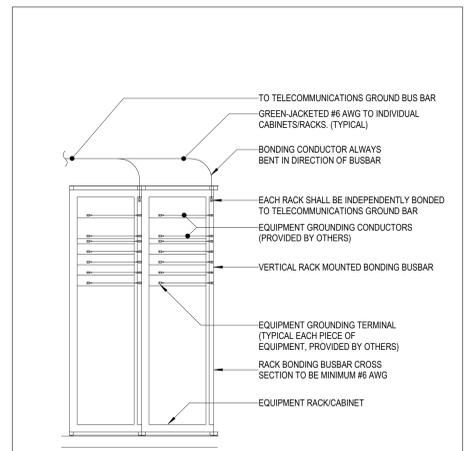
05 EQUIPMENT RACK FLOOR MOUNT INSTALLATION W/FLOOR ANCHOR DETAIL
 NOT TO SCALE



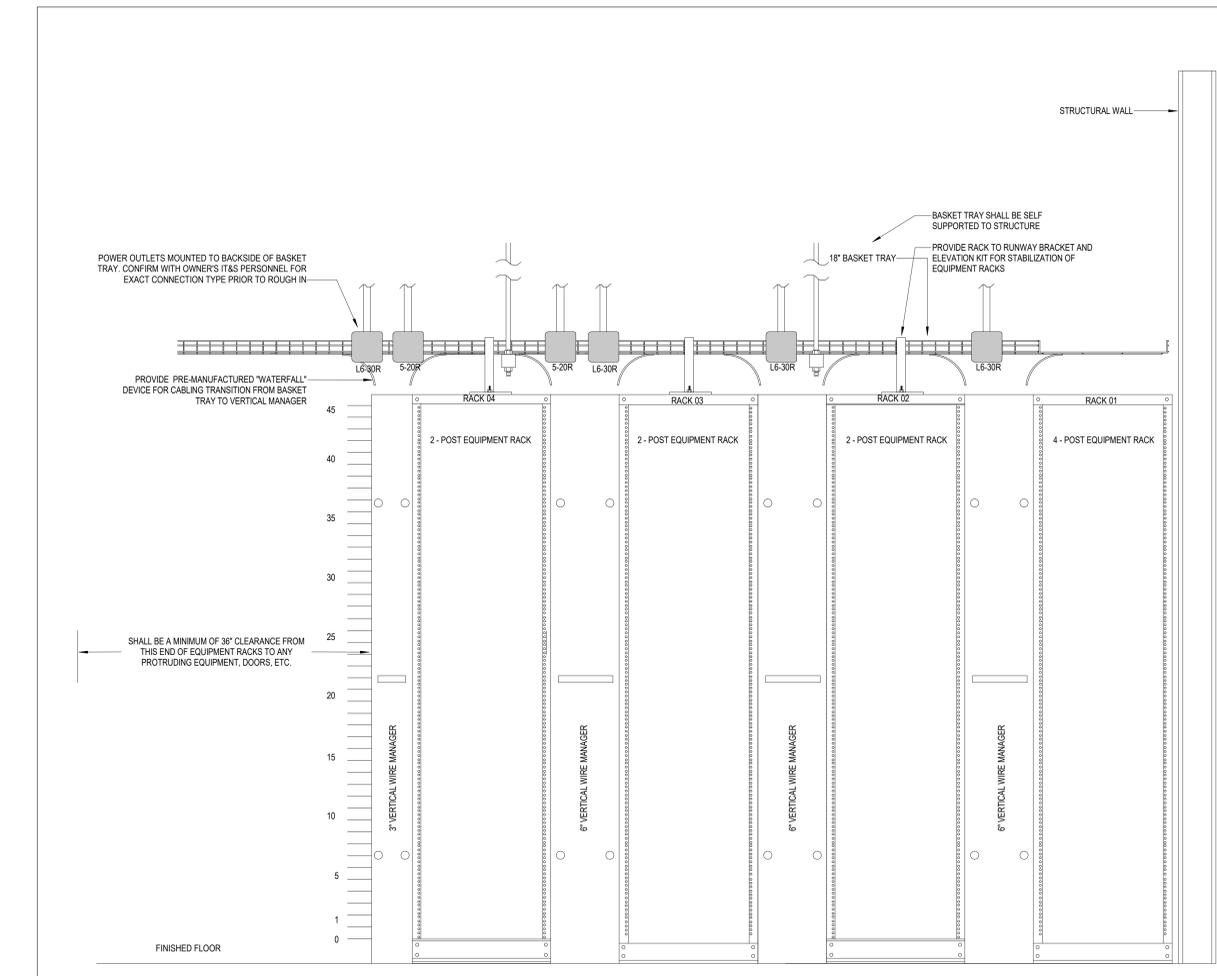
04 BASKET TRAY MOUNTING
 NOT TO SCALE



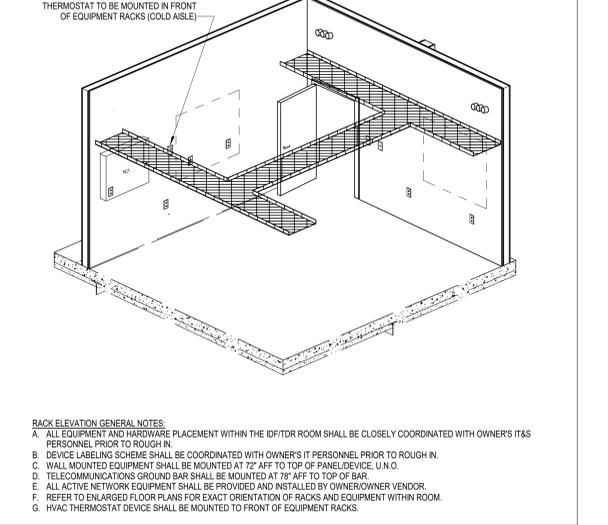
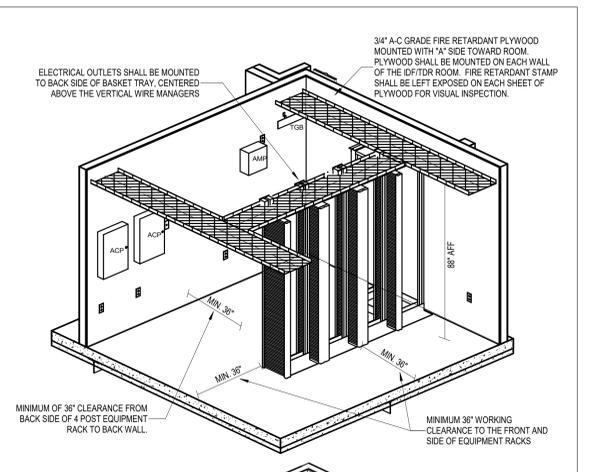
03 BONDING CONDUCTOR BENDING REQUIREMENTS
 NOT TO SCALE



02 RACK BONDING DETAIL
 NOT TO SCALE



01 TT Room Detail - 04
 NOT TO SCALE



00 RACK ELEVATION GENERAL NOTES



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ED 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

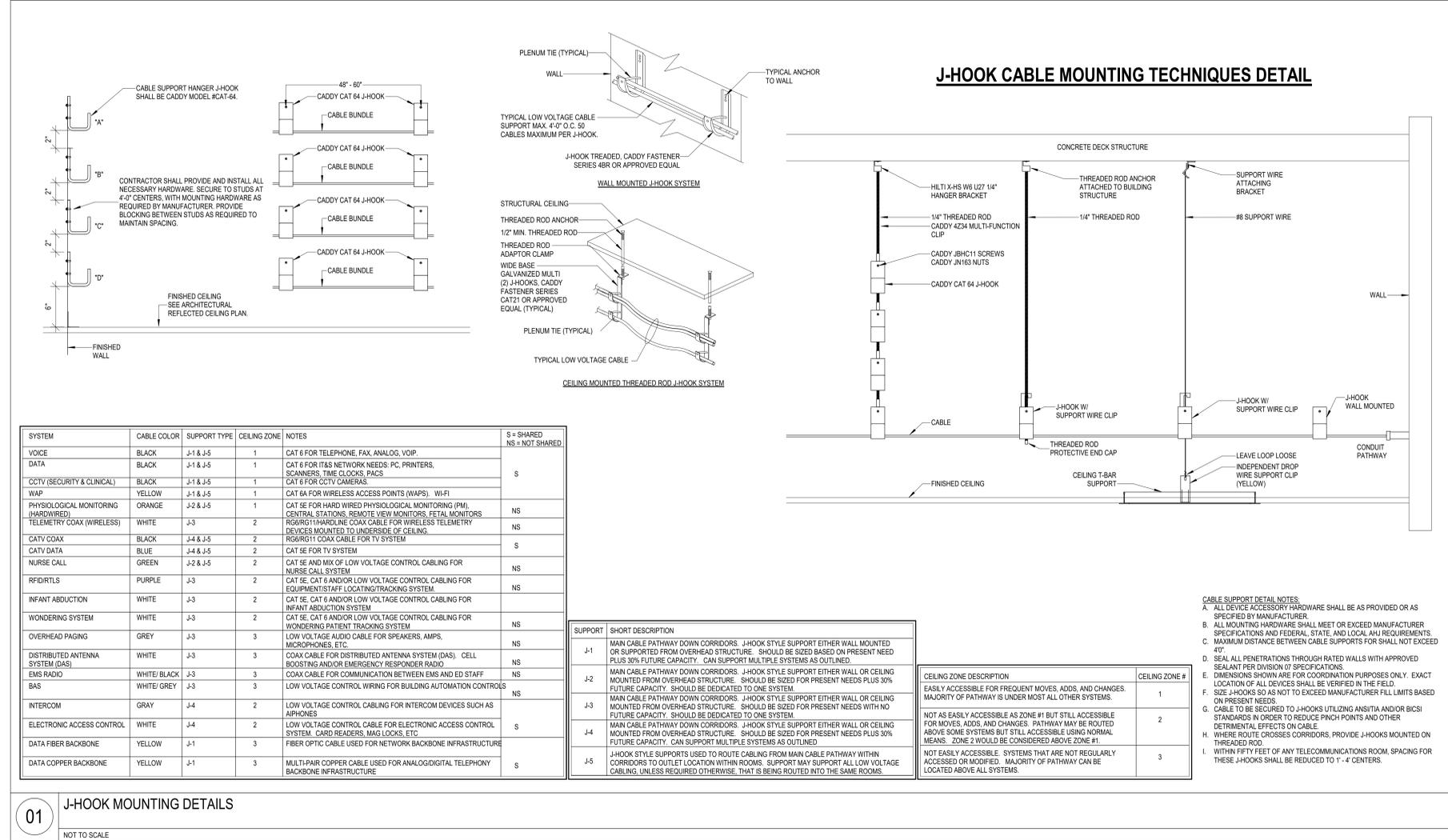
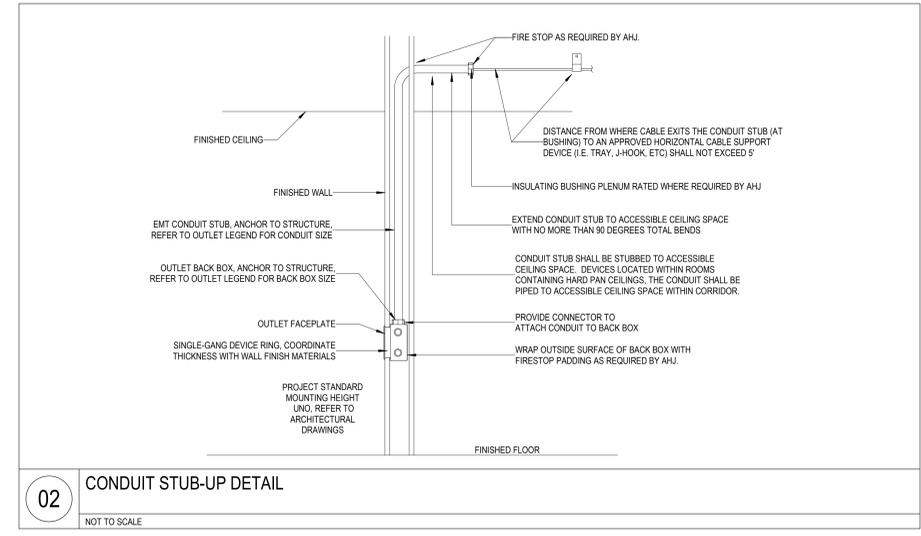
FACILITY NUMBER:
 0972400011

AGENCY APPROVALS:
 AGENCY

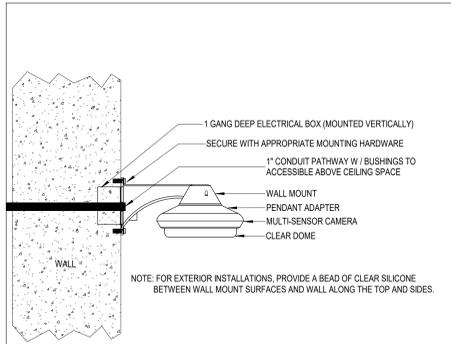
REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 3/32" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: US0040241.3707

DETAILS - TECHNOLOGY



Autodesk Docu/2402/2402 - HCA - Lee's Summit Medical Center (LSMC)_rv223/MEP - LSME ED Expansion: 02.rvt 4/27/2025 1:44:03 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.

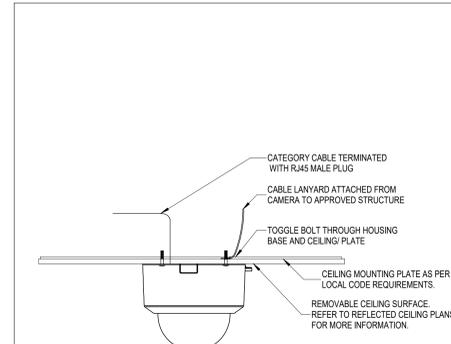


EQUIPMENT

3-LENS: 15C-H5A-3MH
 WLMT-1001
 H5AMH-AD-PEND1
 H5AMH-DO-COVR1

4-LENS: 15C-H5A-4MH
 3/4 X5 MP, WDR, LIGHTCATCHER, 2.8mm, CAMERA ONLY
 WALL MOUNT
 PENDANT ADAPTER
 DOME BUBBLE AND COVER, OUTDOOR, CLEAR

08 MULTI-LENS OUTDOOR MOUNT
 NOT TO SCALE

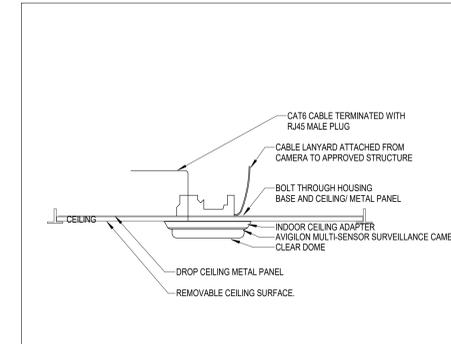


EQUIPMENT

3-LENS: 15C-H5A-3MH
 H5AMH-AD-CEIL1
 CLPML-1001
 H5AMH-DC-COVR1

4-LENS: 15C-H5A-4MH
 3/4 X5 MP, WDR, LIGHTCATCHER, 2.8mm, CAMERA ONLY
 INDOOR CEILING ADAPTER
 DROP CEILING METAL PANEL
 DOME BUBBLE AND COVER, FOR IN-CEILING MOUNT, CLEAR

07 SINGLE LENS CAMERA - LAY-IN CEILING MOUNT
 NOT TO SCALE

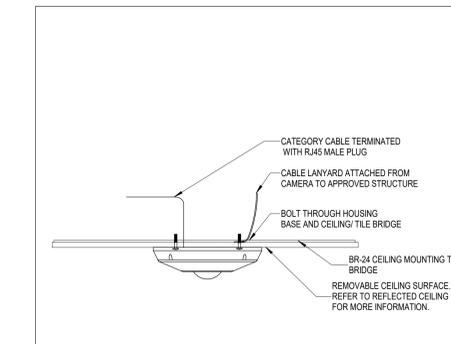


EQUIPMENT

3-LENS: 15C-H5A-3MH
 H5AMH-AD-CEIL1
 CLPML-1001
 H5AMH-DC-COVR1

4-LENS: 15C-H5A-4MH
 3/4 X5 MP, WDR, LIGHTCATCHER, 2.8mm, CAMERA ONLY
 INDOOR CEILING ADAPTER
 DROP CEILING METAL PANEL
 DOME BUBBLE AND COVER, FOR IN-CEILING MOUNT, CLEAR

06 MULTI-LENS - INDOOR CEILING MOUNT
 NOT TO SCALE

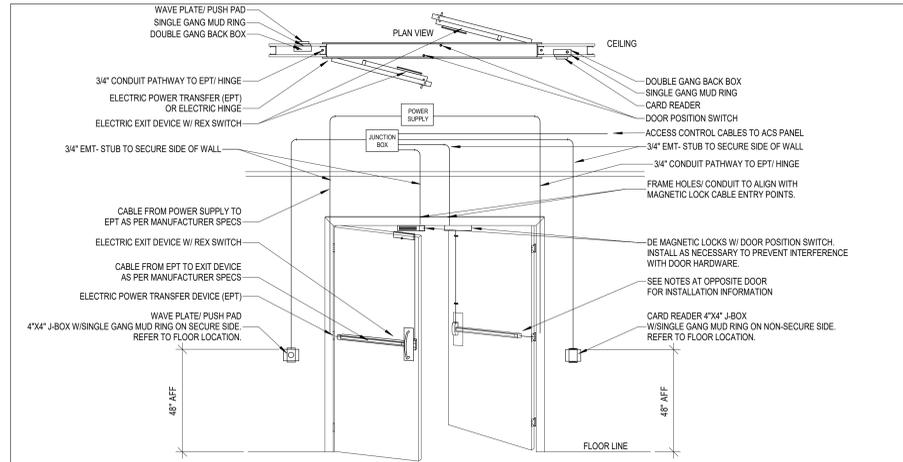


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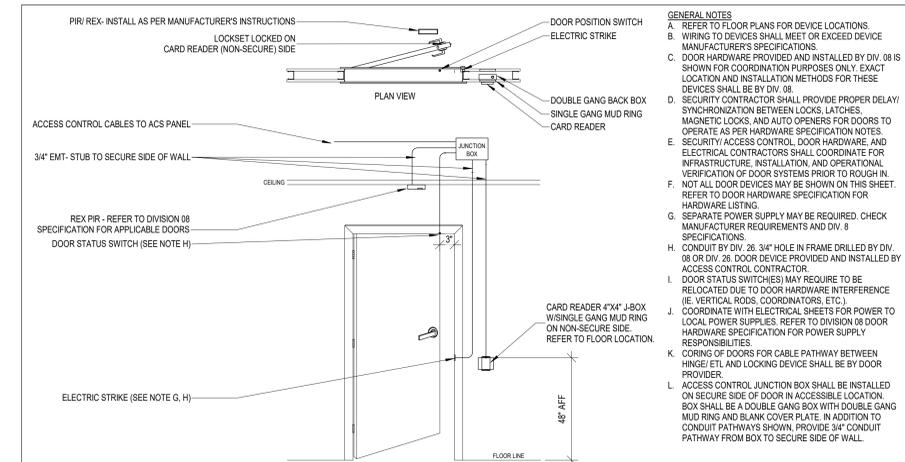
120W-H5A-FE-D014R
 CTB-24

12.0 MP, FISHEYE DOME CAMERA, DAY/NIGHT
 GARVIN CEILING TILE BRIDGE MOUNTING SLIDE BR 24

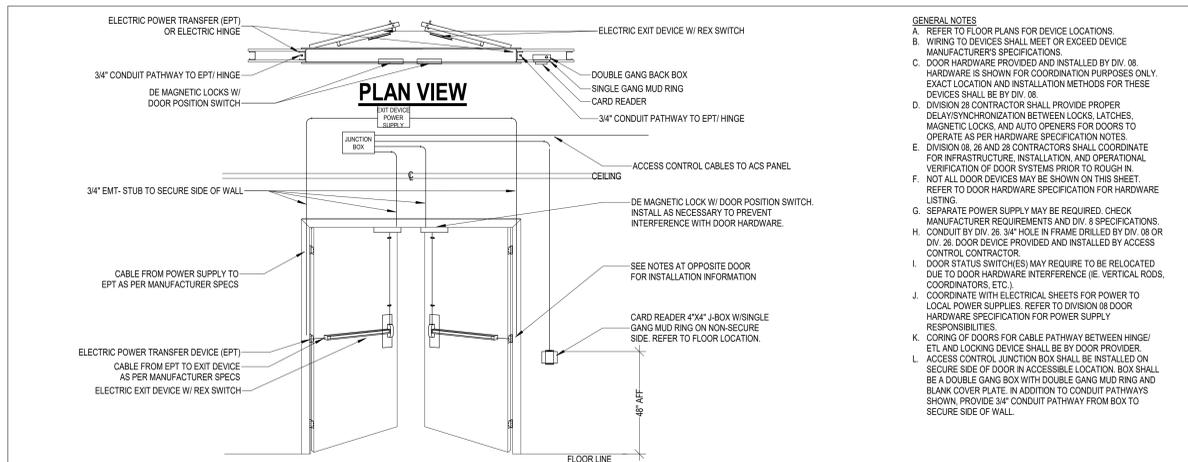
05 FISH-EYE - CEILING MOUNT
 NOT TO SCALE



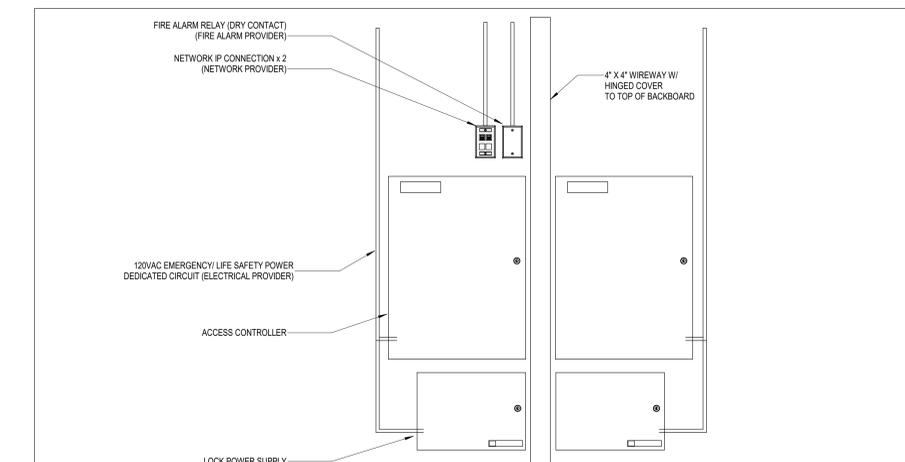
04 DOUBLE DOOR - ELECTRIC EXIT DEVICES & DE MAGNETIC LOCKS
 NOT TO SCALE



03 SINGLE DOOR - ELECTRIC STRIKE
 NOT TO SCALE



02 DOUBLE DOOR - ELECTRIC EXIT DEVICES
 NOT TO SCALE



01 ACCESS CONTROL PANEL SETUP W/ SEPARATE POWER SUPPLY
 NOT TO SCALE

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

DETAILS - TECHNOLOGY

Autodesk Docu/1640624 - HCA - Lee's Summit Medical Center (LSMC) - r1231(MEP) - LSME ED Expansion - 02.rvt 4/22/2025 1:44:05 PM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payment on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner, designated agent upon request.

TECHNOLOGY SYSTEMS EQUIPMENT AND STRUCTURED CABLING COORDINATION SCHEDULE

SYSTEM	EQUIPMENT			CABLING					ROUGH IN						GROUNDING
	EQUIPMENT FURNISHED BY	EQUIPMENT INSTALLED BY	TEST/CERTIFIED BY	CABLE FURNISHED BY	CABLE INSTALLED BY	CABLE TERMINATIONS BY	LABELED BY	TEST/CERTIFIED BY	CONDUIT SLEEVES BY (NOTE 3)	CONDUIT PATHWAYS BY (NOTE 4)	PRE-MANUFACTURED FIRE SLEEVE BY (NOTE 5)	BACK BOXES PROVIDED BY (NOTE 6)	BACK BOXES INSTALLED BY (NOTE 6)	FLOOR/WALL CORES/SLEEVES BY (NOTE 7)	
IT&S SYSTEMS - VOICE/ATA															
IT&S VOICE EQUIPMENT (WORKSTATION) (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
IT&S DATA EQUIPMENT (WORKSTATION) (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
WIRELESS ACCESS POINT (WAP)	OWNER	DIV 27	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
IT&S DATA EQUIPMENT (TECTOR)	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IT&S VOICE EQUIPMENT (TECTOR)	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WORKSTATION / EQUIPMENT PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MEDICAL EQUIPMENT NETWORK CONNECTED DEVICES (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TIME CLOCK (EMPLOYEE)	OWNER	GC	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
NURSE CALL/CODE BLUE															
STATION DEVICES	NC	NC	NC	DIV 27	DIV 27	NC	NC	NC	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
HEADEND CABINET (IF APPLICABLE)	NC	NC	NC	DIV 27	DIV 27	NC	NC	NC	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
NETWORK SWITCHES (IF APPLICABLE)	NC	NC	NC	DIV 27	DIV 27	NC	NC	NC	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
CALL CORD/PILLOW SPEAKERS	NC	NC	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CATV SYSTEMS															
COAXIAL CABLE	N/A	N/A	N/A	DIV 27	DIV 27	TV	TV/DIV 27	TV	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	TV
DATA CABLE	N/A	N/A	N/A	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
CROSS ROOM NURSE CALL CONTROL	TV	TV	TV	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	N/A	DIV 26	DIV 26	N/A	N/A
TV OUTLET COVER PLATE	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELEVISIONS (PATIENT, WAITING, STAFF LOUNGE, ETC.)	TV	TV	TV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELEVISION WALL MOUNTING BRACKET	TV	GC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CATV EQUIPMENT (SPLITTERS/COMBINERS/AMPLIFIERS)	TV	TV	TV	N/A	N/A	N/A	TV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	TV
CROSS CONNECTS/PATCH CORD	TV	TV	TV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SECURITY SYSTEMS															
NVR/DVR	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
SURVEILLANCE CAMERAS/MOUNTS/LICENSES	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
NETWORK SWITCHES	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ELECTRONIC ACCESS CONTROL SYSTEM	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	DIV 26	N/A
DOOR HARDWARE	DIV 08	DIV 08	DIV 08	DIV 08	DIV 08	DIV 08	DIV 08	N/A	N/A	DIV 26	N/A	DIV 26	DIV 26	N/A	N/A
WIRELESS PANIC BUTTON (IF APPLICABLE)	PB	PB	PB	N/A	N/A	N/A	N/A	PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WIRED PANIC BUTTON (IF APPLICABLE)	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	N/A	N/A
INFANT PROTECTION	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
INTRUSION DETECTION	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	N/A	N/A
EMERGENCY (BLUE) PHONE	GC	GC	DIV 28/27	DIV 28/27	DIV 28/27	DIV 28/27	DIV 28/27	DIV 28/27	DIV 28/27	DIV 26	DIV 27	DIV 26	DIV 26	N/A	DIV 26
INTERCOM	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	DIV 26	N/A
OVERHEAD PAGING SYSTEM															
SPEAKERS/HORN	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
AMPLIFIERS	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
VOLUME CONTROL	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TELEPHONE ACCESS EQUIPMENT	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
ZONE DISTRIBUTION EQUIPMENT (IF APPLICABLE)	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
PATIENT MONITORING SYSTEM															
PHYSIOLOGICAL MONITORING (PM)	PM	PM	PM	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
FETAL MONITORING (FM)	PM	PM	PM	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TELEMETRY	PM	PM	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
NETWORK SWITCHES	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELECOMMUNICATIONS ROOMS (TECTOR)															
OPEN FRAME EQUIPMENT RACKS (2POST/4POST)	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
ENCLOSED EQUIPMENT CABINETS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
BASKET TRAY & SUPPORT HARDWARE	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
FIRE RATED PLYWOOD BACKBOARDS	DIV 26	DIV 26	DIV 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CABLE MANAGEMENT (VERTICAL/HORIZONTAL)	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
UNINTERRUPTIBLE POWER SUPPLY (UPS)	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NETWORK SWITCHES, SERVERS, & ADDITIONAL NETWORK GEAR EQUIP.	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
TELEPHONE SYSTEM EQUIPMENT	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
CROSS CONNECTS/PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GROUNDING/BONDING															
TELECOMMUNICATIONS BONDING BACKBONE (TBB)	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	DIV 26	N/A	N/A	DIV 26	DIV 26	N/A
TELECOMMUNICATIONS GROUNDING BUSS BAR (TGB)	DIV 26	DIV 26	DIV 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MISC. SYSTEMS															
SYNCHRONIZED CLOCK SYSTEMS	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	N/A	N/A	N/A	DIV 26	DIV 26	N/A
REAL TIME LOCATING SYSTEM (RTLS)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
DISTRIBUTED ANTENNA SYSTEMS (DAS)	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER
EMERGENCY RESPONDER RADIO COMMUNICATIONS (ERRCS)	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER
TEMPERATURE MONITORING SYSTEM	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
EMS RADIO	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A

NOTES:

- ALL SYSTEMS SHOWN MAY NOT BE PRESENT IN PROJECT. REFER TO FLOOR PLANS FOR SYSTEMS INCLUDED IN PROJECT.
- INCLUDES CONDUIT SLEEVES, NOT TO EXCEED 18 INCHES IN LENGTH, THROUGH GYPSUM PARTITIONS. SLEEVES EXCEEDING 18" IN LENGTH SHALL BE PROVIDED BY DIV 26 CONTRACTOR.
- INCLUDES CONDUIT PATHWAY EXCEEDING 18 INCHES IN LENGTH. INCLUDES ALL NECESSARY CONNECTIONS, PULL BOXES, AND PLASTIC BUSHINGS.
- INCLUDES PRE-MANUFACTURED FIRE SLEEVE SYSTEMS.
- INCLUDES REQUIRED CONDUIT STUB UP TO ABOVE ACCESSIBLE CEILING SPACE.
- INCLUDES SLEEVES THROUGH CONCRETE/MASONRY WALLS REQUIRING CORING OR LEAVE-OUTS.
- CROSS ROOM SOUND CABLE TERMINATED BY NURSE CALL VENDOR AT PATIENT STATION. DIV 27 CONTRACTOR SHALL TERMINATE CROSS ROOM SOUND CABLE AT TV OUTLET AND PROVIDE FACEPLATE.
- LIGHTING CONTROL CABLE TERMINATED BY NURSE CALL VENDOR AT PATIENT STATION. NURSE CALL VENDOR SHALL PROVIDE DIV 26 CONTRACTOR LIGHTING CONTROL RELAY. DIV 26 CONTRACTOR SHALL CONNECT RELAY WITH LIGHT.
- VOICE/ATA WORKSTATION & MEDICAL EQUIPMENT DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 A. PCS
 B. PRINTERS (NETWORK, LASER, MULTIFUNCTION, LAB, SCRIPT, ETC.)
 C. FAX MACHINES
 D. COPERS
 E. TRACKER MONITORS
 F. TIME CLOCK (EMPLOYEE)
 G. WIRELESS ACCESS POINTS
 H. TELEPHONE SETS
 I. MED DISPENSERS
 J. SCANNERS
 K. LAB EQUIPMENT (STERILIZERS, ETC.)
 L. POINT OF USE (POU) SCANNER
 M. ULTRA SOUND MACHINE
 N. ADDITIONAL MEDICAL EQUIPMENT

ABBREVIATIONS:

- DIV 08 - DOOR HARDWARE CONTRACTOR
- DIV 26 - ELECTRICAL CONTRACTOR
- DIV 27 - COMMUNICATIONS CABLING CONTRACTOR
- DIV 28 - ELECTRONIC ACCESS CONTROL/SECURITY CONTRACTOR
- OWNER - OWNER OR OWNER'S VENDOR
- NC - NURSE CALL VENDOR
- PB - CENTURION PANIC BUTTON VENDOR
- ME - MEDICAL EQUIPMENT PLANNER
- TV - TELEVISION VENDOR
- SP - SERVICE PROVIDER
- GC - GENERAL CONTRACTOR
- PM - PHYSIOLOGICAL MONITORING VENDOR
- N/A - NOT APPLICABLE
- TEC - TELECOMMUNICATIONS EQUIPMENT ROOM / MDF
- TDR - TELECOMMUNICATIONS DISTRIBUTION ROOM / IDF

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ED 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

FACILITY NUMBER:
 097240011

AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 04/18/25
 SCALE: 1/8" = 1'-0"
 DRAWN: WSP
 REVIEWED: WSP
 JOB NUMBER: U50040241.3707

SCHEDULES - TECHNOLOGY

T08-01

