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 AND 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 25' 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
B/G	BELOW GRADE	I.E.	INVERT ELEVATION
BV	BALANCING VALVE	L	LAVATORY
CA	COMPRESSED AIR	MH	MANHOLE
CO	CLEAN OUT	MS	MOP SINK
CSS	CLINICAL SERVICE SINK	NC	NORMALLY CLOSED VALVE
CW	COLD WATER	NO	NORMALLY OPEN VALVE
DD	DECK DRAIN	NFWH	NON-FREEZE WALL HYDRANT
DF	DRINKING FOUNTAIN	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		
FCVA	FLOOR CONTROL VALVE ASSEMBLY	TP	TRAP PRIMER
FCO	FLOOR CLEANOUT	V	VENT PIPING
FD	FLOOR DRAIN	VB	VACUUM BREAKER
FS	FLOOR SINK	VTR	VENT THROUGH ROOF
GC	GENERAL CONTRACTOR	WB	WALL BOX
GCO	GRADE CLEANOUT		

DEMOLITION NOTES

A. ALL SECTIONS OF PLUMBING PIPING THAT ARE SHOWN TO BE DEMO'D SHALL BE REMOVED BACK 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 ORIGINATION.

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:

CITY/STATE — LEE'S SUMMIT, MO

APPLICABLE CODES:

BUILDING	2018 IBC w/LOCAL AMENDMENTS
MECHANICAL	2018 IMC w/LOCAL AMENDMENTS
PLUMBING	2018 UPC w/LOCAL AMENDMENTS
FIRE	2018 IFC w/LOCAL AMENDMENTS
ELECTRICAL	2017 NEC w/LOCAL AMENDMENTS

PLUMBING SYMBOLS

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CW	DOMESTIC COLD WATER (CW)		PRESSURE GAUGE WITH GAUGE COCK
HW	DOMESTIC HOT WATER (HW)		THERMOMETER WITH GAUGE COCK
HWR	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	CO CO	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	SA	SHOCK ARRESTOR
	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
	SOLENOID VALVE		
PRV	PRESSURE REGULATING VALVE		
AQ	AQUASTAT		
	CHECK VALVE		
	GATE VALVE		

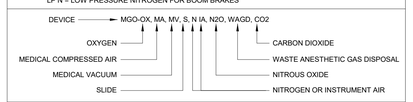
MEDICAL GAS SYMBOLS

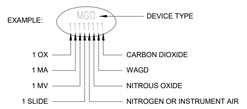
SYMBOL	DESCRIPTION
OX	MEDICAL OXYGEN PIPING
MA	MEDICAL AIR PIPING
MV	MEDICAL VACUUM PIPING
WAGD	WASTE ANESTHETIC GAS DISPOSAL PIPING
N	MEDICAL NITROGEN PIPING
N2O	MEDICAL NITROUS OXIDE PIPING
CO2	CARBON DIOXIDE PIPING
IA	INSTRUMENT AIR
	MEDICAL GAS PIPING DROPS IN WALL (FULL SIZE) TO WALL OUTLETS OR 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

MEDICAL GAS LEGEND

MAI = MEDICAL AIR INTAKE
MAP = MASTER ALARM PANEL
MGB = MEDICAL GAS CEILING BOOM
MGC = MEDICAL GAS CEILING COLUMN
MGD = MEDICAL GAS DROP
MGH = MEDICAL GAS HEADWALL
MGO = MEDICAL GAS WALL OUTLET
MGP = MEDICAL GAS PEDESTAL
MVE = MEDICAL VACUUM EXHAUST
NCP = NITROGEN CONTROL PANEL
IA = MEDICAL EQUIPMENT INSTRUMENT AIR (FOR BRAKES ON MEDICAL BOOMS)
LP N = LOW PRESSURE NITROGEN FOR BOOM BRAKES

MA = MEDICAL COMPRESSED AIR
MV = MEDICAL VACUUM
OX = OXYGEN
S = SLIDE
N = NITROGEN
N20 = NITROUS OXIDE
C02 = CARBON DIOXIDE GAS
WAGD = WASTE ANESTHETIC GAS DISPOSAL
AAP = AREA ALARM PANEL
ZVB = ZONE VALVE BOX





MEDICAL GAS NOTES:

A. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT OF MEDICAL GAS OUTLETS, ZONE VALVE BOXES AND ALARM PANELS.

B. NOT ALL GASES ARE TO BE USED AT EACH LOCATION. THE GAS ORDER SHOWN IN THE EXAMPLE IS TYPICAL FOR ALL OUTLETS.

C. COORDINATE MEDICAL GAS PIPE ROUTINGS WITH ALL OTHER TRADES BEFORE INSTALLATION.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Joe Frogge

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS

REV #	DESCRIPTION	DATE

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

GENERAL INFORMATION - PLUMBING

P00-00

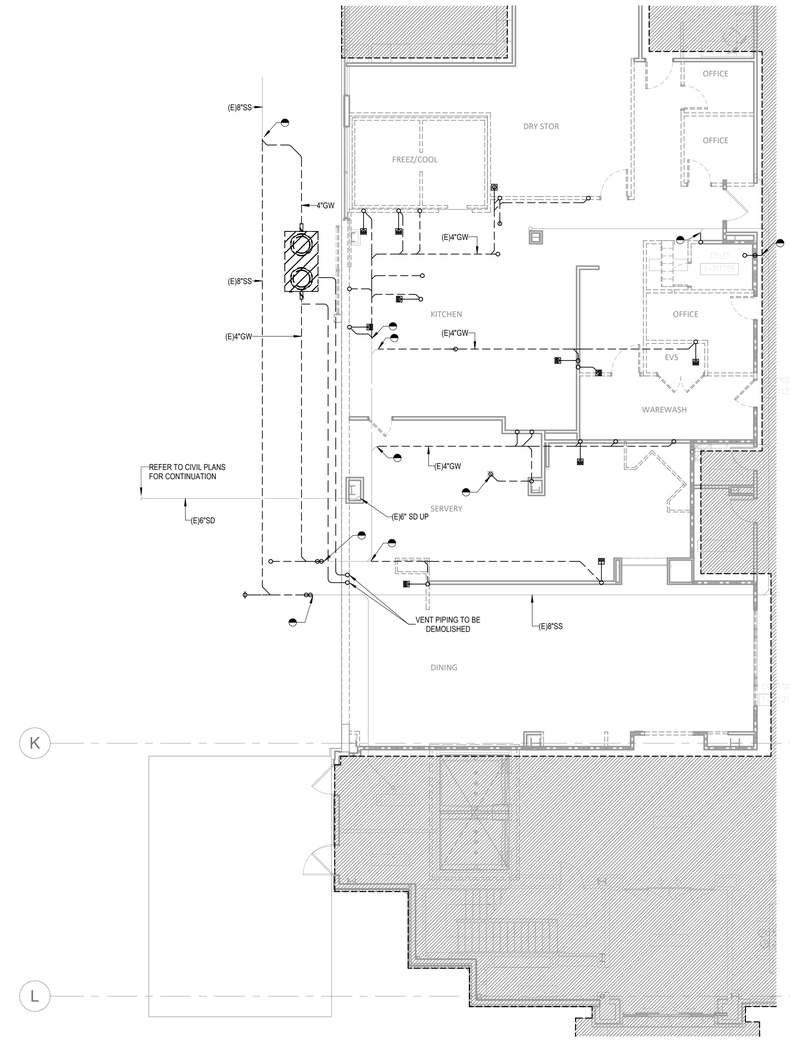
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ryt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:10:54 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

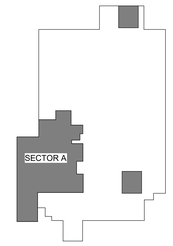
GENERAL NOTES

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



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

LEVEL 1 - KEYPLAN



Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

UNDERFLOOR DEMOLITION PLAN - PLUMBING

PD02-00

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.

12/4/2024 7:11:08 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

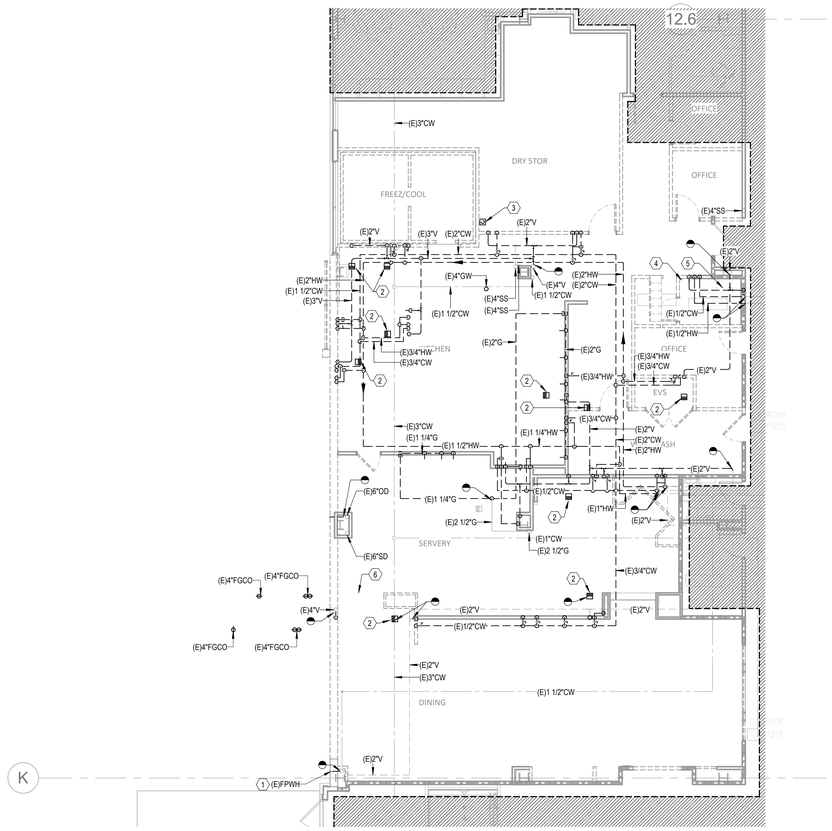
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

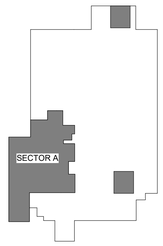
LEGEND NOTES

1. DEMOLISH EXISTING WALL HYDRANT.
2. DEMOLISH EXISTING FLOOR SINK.
3. DEMOLISH EXISTING FLOOR DRAIN.
4. DEMOLISH EXISTING LAVATORY.
5. DEMOLISH EXISTING WATER CLOSET.
6. EXISTING ANSUL FIRE SUPPRESSION SYSTEM TO BE RELOCATED.



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

LEVEL 1 - KEYPLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

PD02-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:08 PM

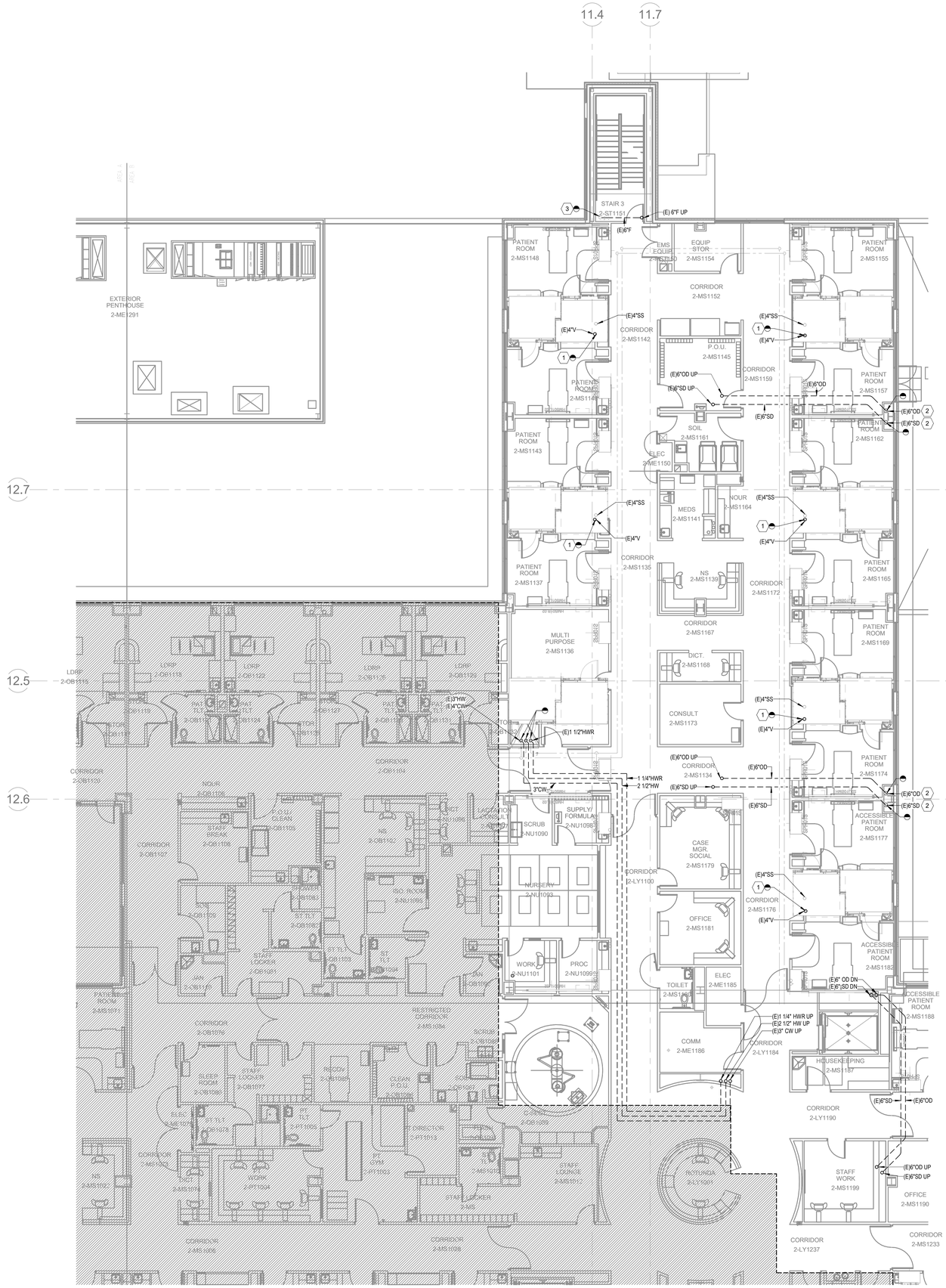
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

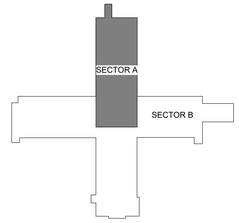
LEGEND NOTES

1. DEMOLISH EXISTING 4" VENT PIPING THROUGH ROOF TO BELOW ROOF FOR OFFSET ABOVE SECOND FLOOR CEILING. REFER TO NEW PLUMBING PLANS FOR NEW VENT ROUTING.
2. 6" STORM DRAIN RISER AND 6" OVERFLOW RISER TO REMAIN.
3. DEMOLISH STANDPIPE BACK TO RISER AT POINT INDICATED.



1 DEMOLITION PLAN - LEVEL 02 - PLUMBING - SECTOR A
1/8" = 1'-0"

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

DEMOLITION PLAN - LEVEL 02 - SECTOR A - PLUMBING

PD02-02A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:09 PM

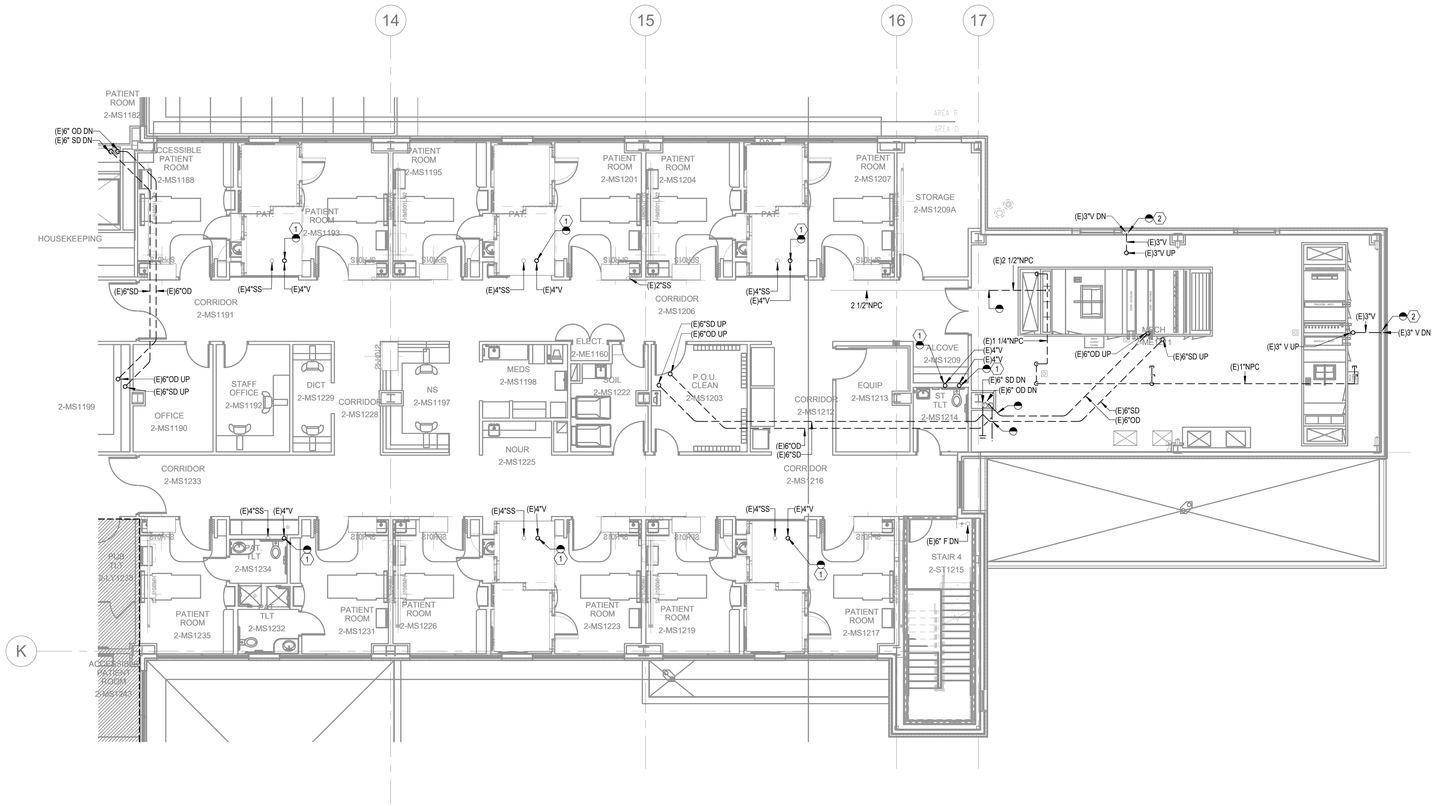
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

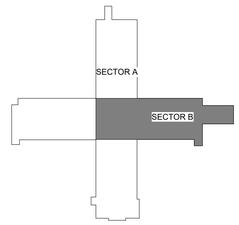
LEGEND NOTES

1. DEMOLISH EXISTING 4" VENT PIPING THROUGH ROOF TO BELOW ROOF FOR OFFSET ABOVE SECOND FLOOR CEILING. REFER TO NEW PLUMBING PLANS FOR NEW VENT ROUTING.
2. DEMOLISH EXISTING 3" VENT PIPING THROUGH ROOF TO BELOW ROOF FOR OFFSET ABOVE SECOND FLOOR CEILING. REFER TO NEW PLUMBING PLANS FOR NEW VENT ROUTING. EXISTING 3" VENT PIPING FROM FLOOR BELOW TO REMAIN.



1 DEMOLITION PLAN - LEVEL 02 - PLUMBING - SECTOR B
1/8" = 1'-0"

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

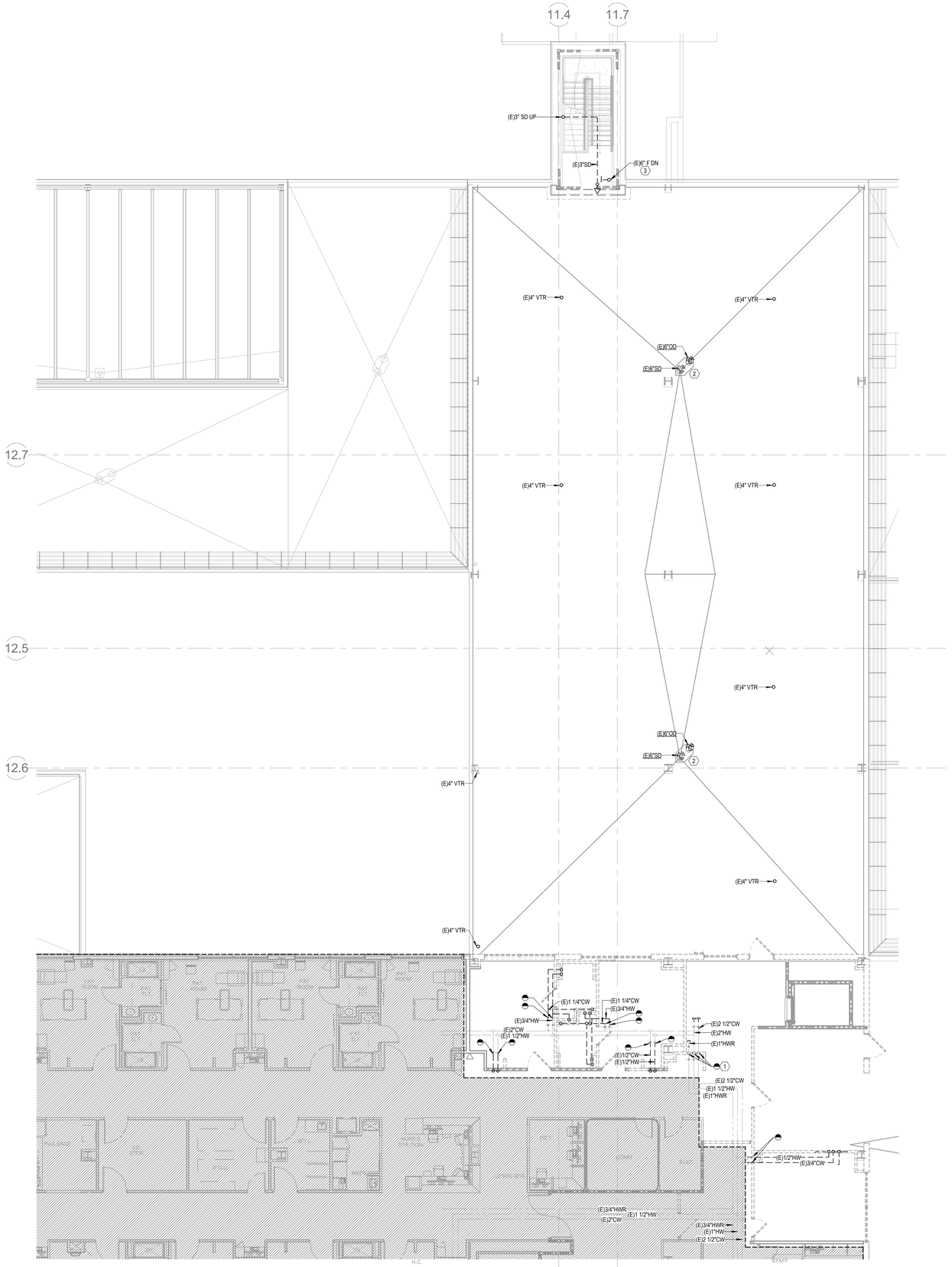
REVISIONS		
REV #	DESCRIPTION	DATE

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

DEMOLITION PLAN - LEVEL 02 - SECTOR B - PLUMBING

PD02-02B

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.
12/4/2024 7:11:10 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt



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

GENERAL NOTES

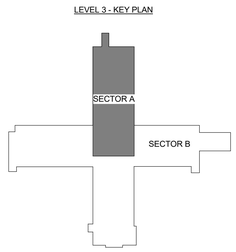
A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

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

B

LEVEL 3 - KEY PLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

DEMOLITION PLAN - LEVEL 03 - SECTOR A - PLUMBING

PD02-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 12:04:16 PM

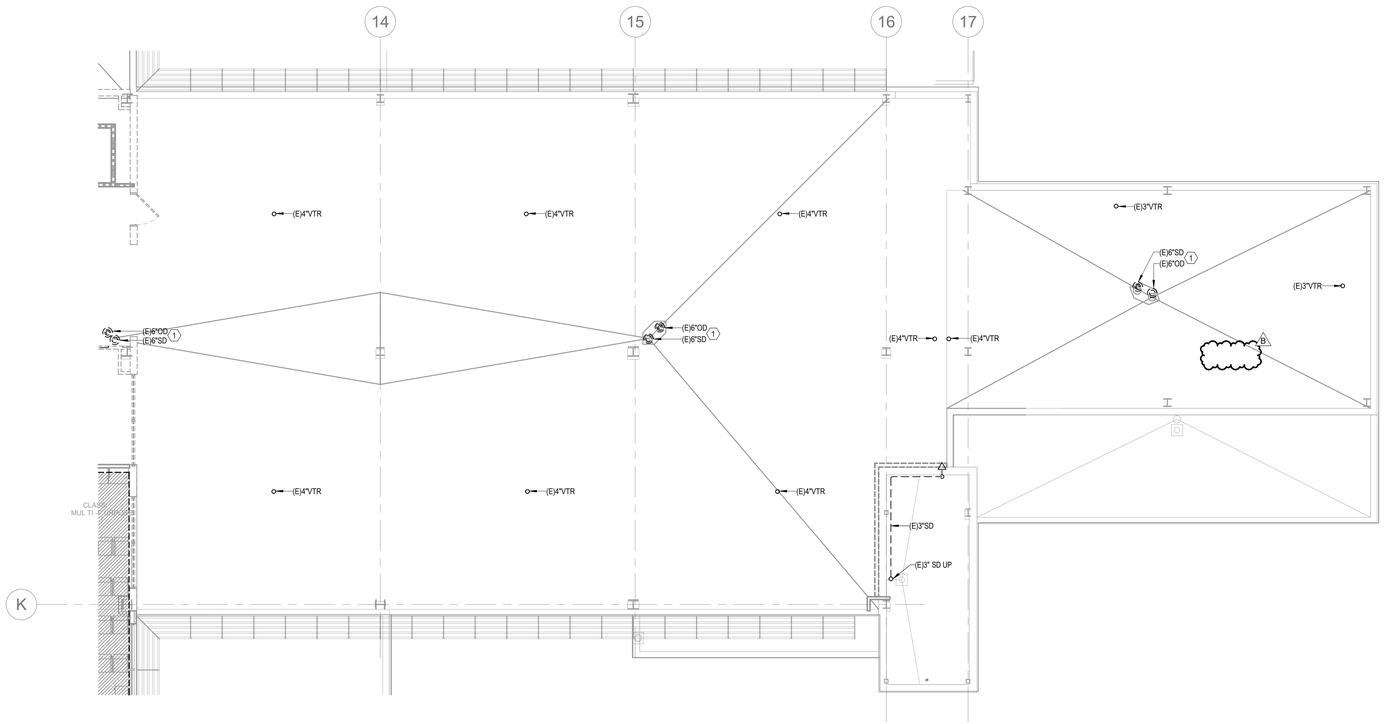
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

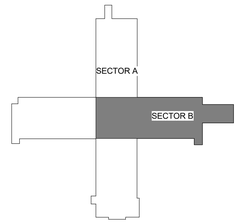
LEGEND NOTES

1. DEMOLISH EXISTING ROOF DRAIN AND OVERFLOW DRAIN.



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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT
NUMBER PE-2012039309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

DEMOLITION PLAN - LEVEL 03 - SECTOR B - PLUMBING

PD02-03B

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.

2/6/2025 12:04:17 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ry23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

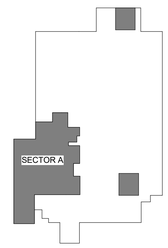
A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

1. DEMOLISH EXISTING TRIPLEX MEDICAL AIR COMPRESSOR AND PREPARE PIPING FOR CONNECTION TO NEW EQUIPMENT.

1 DEMOLITION PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - MEDICAL GAS
1/8" = 1'-0"

LEVEL 1 - KEYPLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

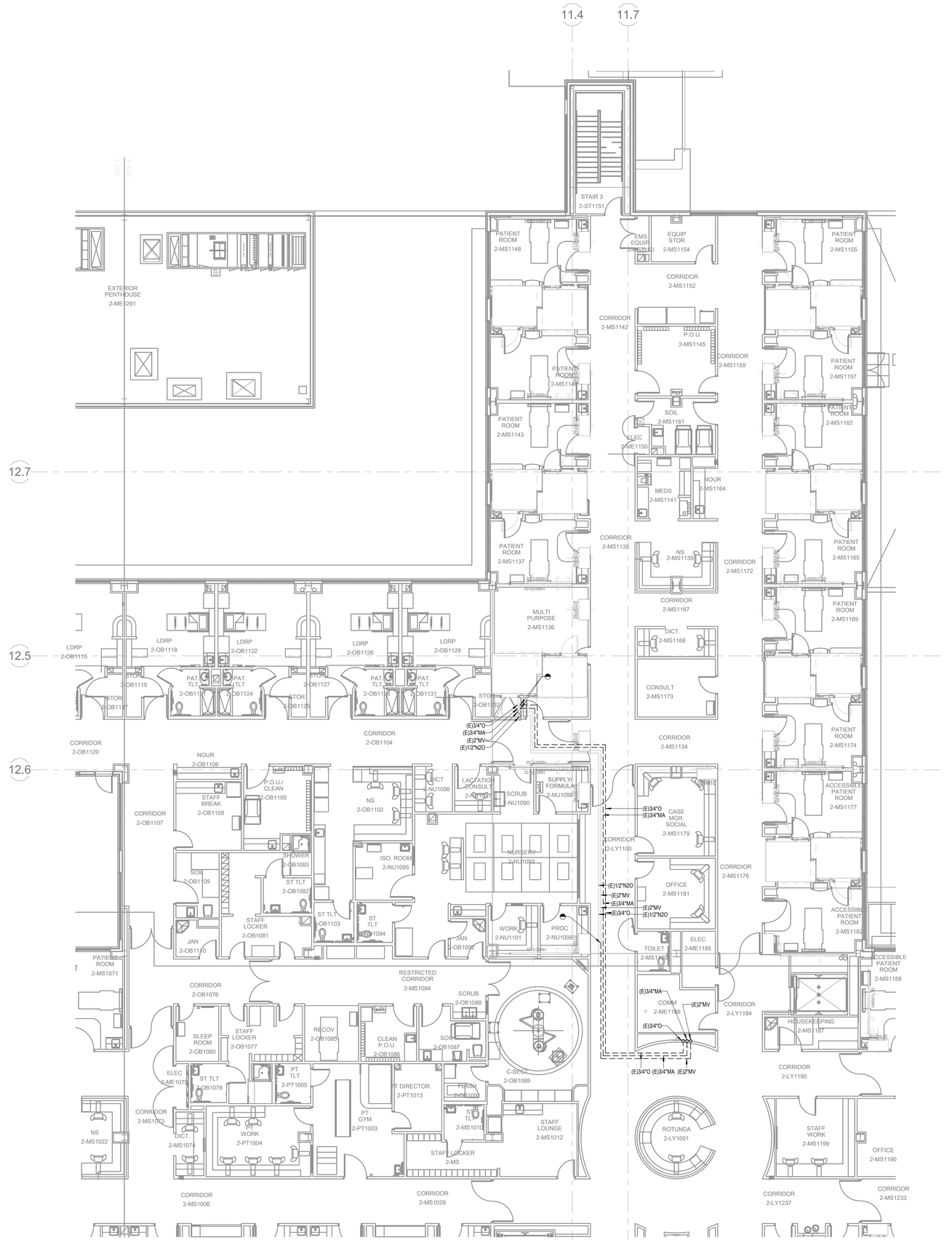
DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

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

PD03-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:17 PM



1 DEMOLITION PLAN - LEVEL 02 - SECTOR A - MEDICAL GAS
1/8" = 1'-0"

GENERAL NOTES

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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

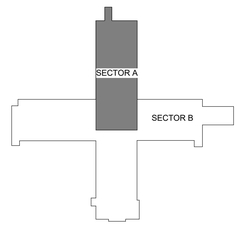
AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

LEVEL 3 - KEY PLAN



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

DEMOLITION PLAN - LEVEL 02 - SECTOR A - MEDICAL GAS

PD03-02A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:18 PM

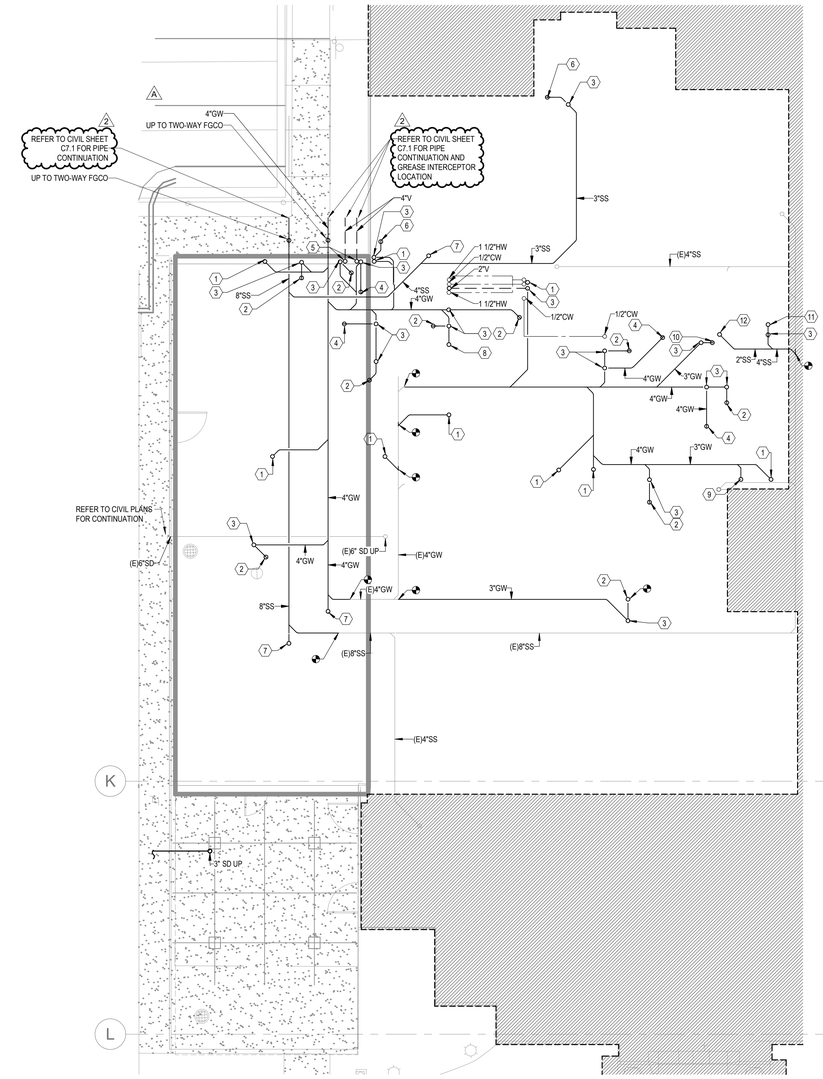
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

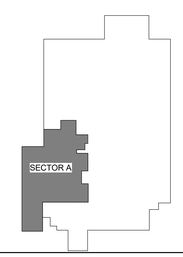
LEGEND NOTES

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



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

LEVEL 1 - KEYPLAN



Devenney GROUP
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
07/30/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
2	DESIGN COORDINATION	2025/07/25

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

UNDERFLOOR PLAN - PLUMBING

P02-00

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.

7/33/2025 10:12:54 AM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

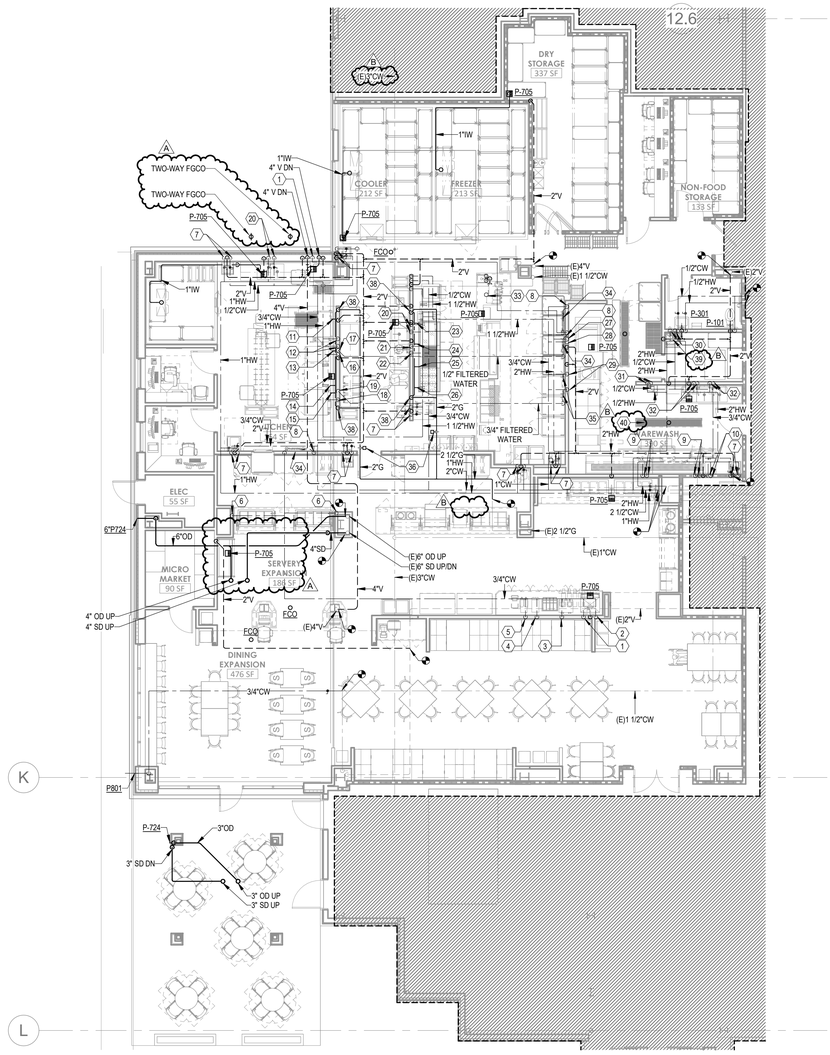
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

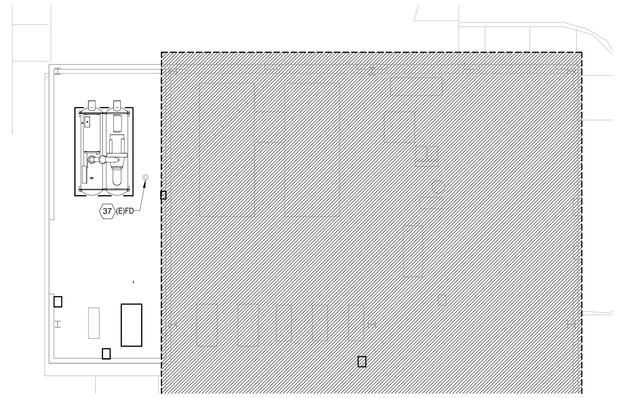
A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

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

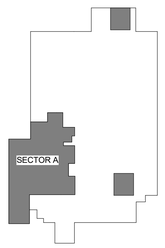


1 FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - PLUMBING
1/8" = 1'-0"



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

LEVEL 1 - KEYPLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

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

P02-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 12:04:07 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

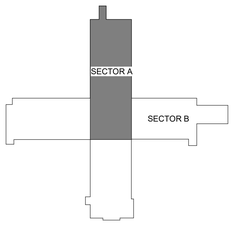
A. REFER TO P00-00 FOR GENERAL PLUMBING NOTES AND SYMBOLS.

LEGEND NOTES

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

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

LEVEL 2 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 02 - SECTOR A - PLUMBING

P02-02A

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.

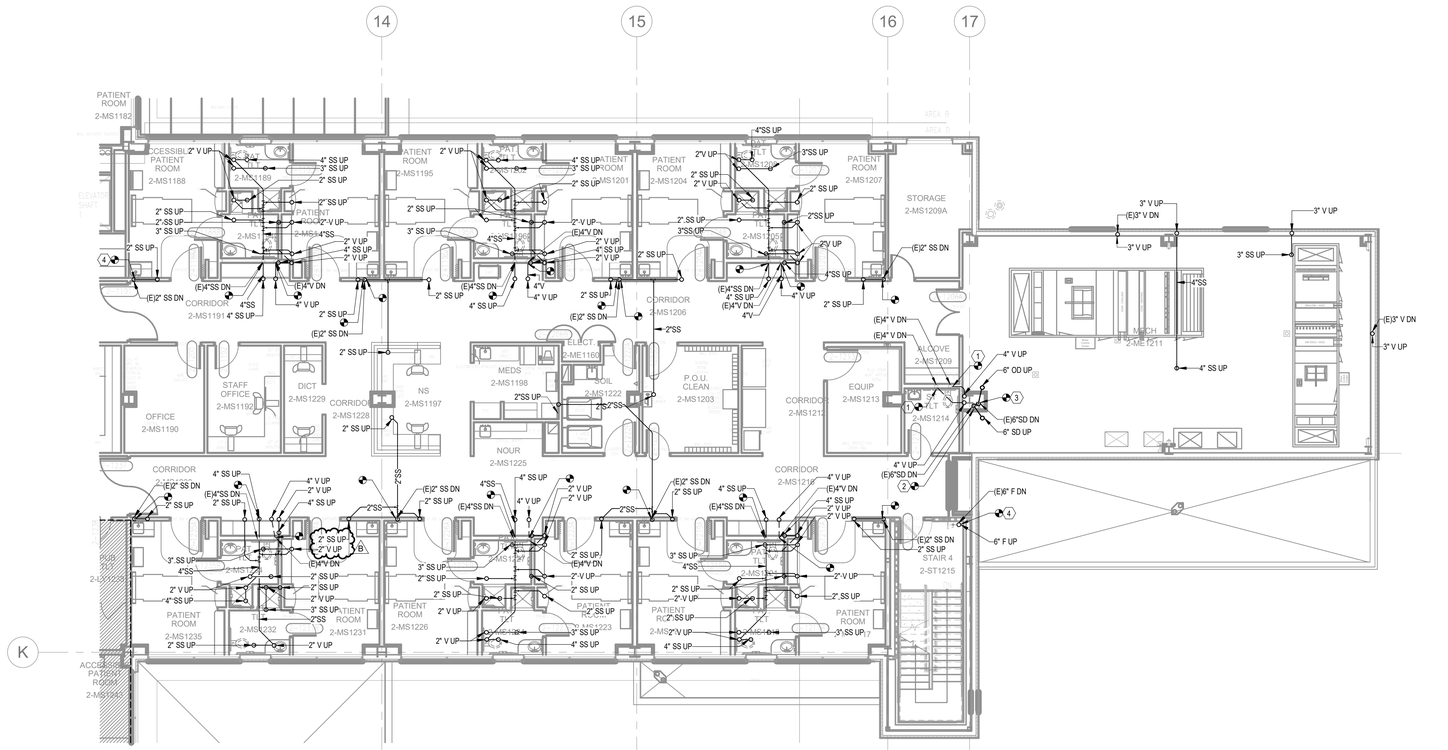
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:00 PM

GENERAL NOTES

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

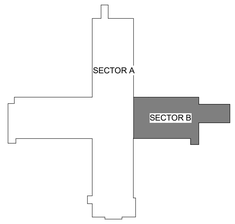
LEGEND NOTES

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



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

LEVEL 2 - KEY PLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

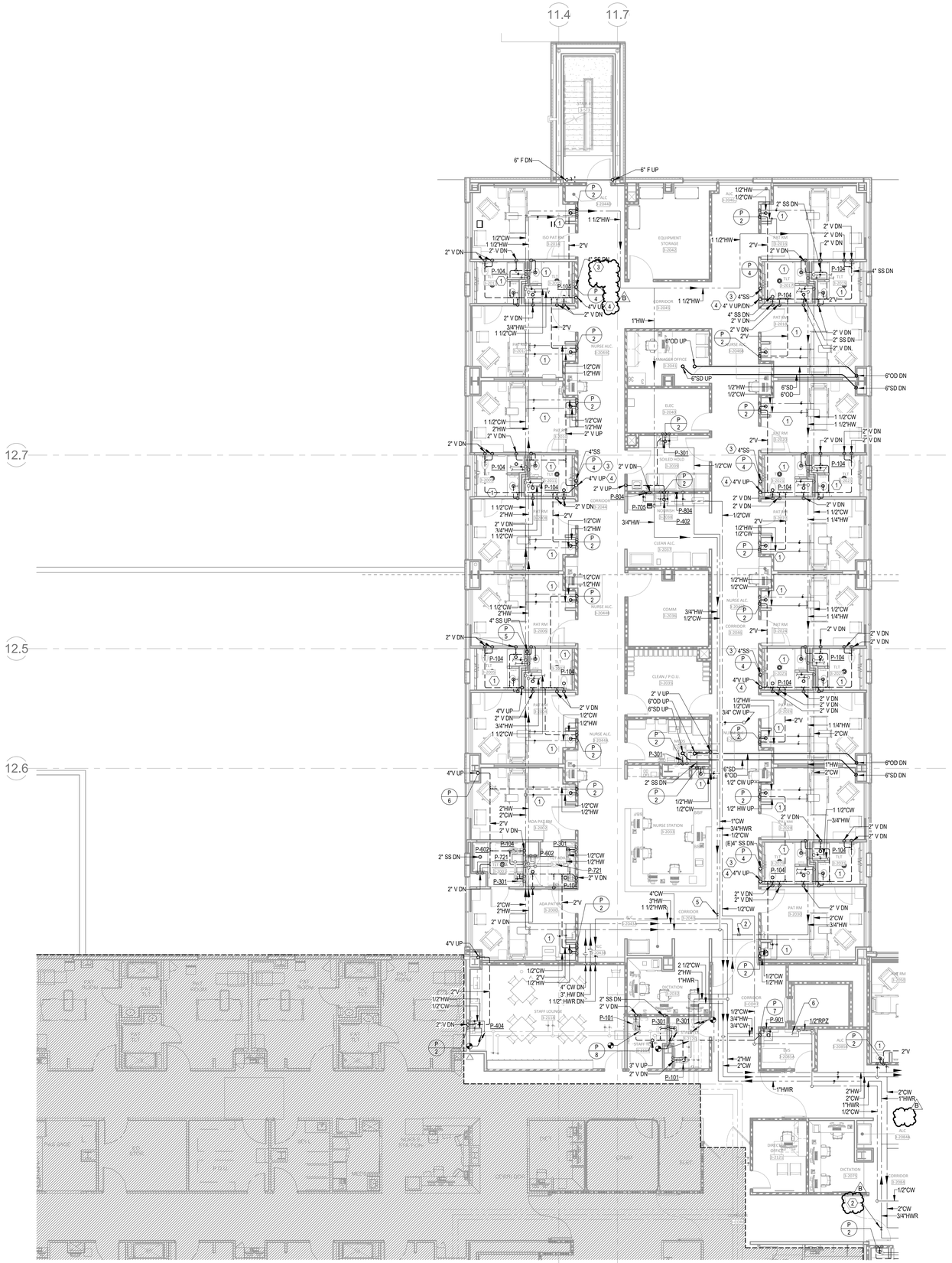
FLOOR PLAN - LEVEL 02 - SECTOR B - PLUMBING

P02-02B

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.

2/6/2025 12:04:09 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

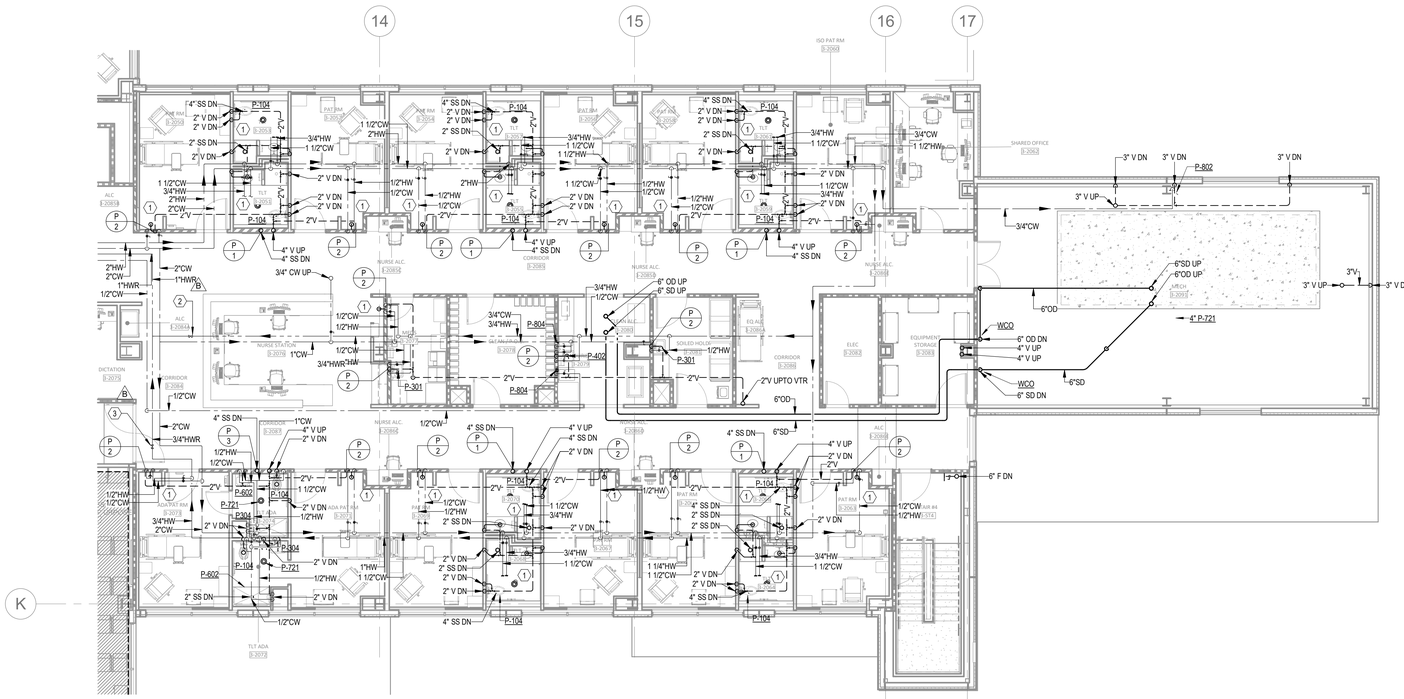

11.4
11.7
12.7
12.5
12.6
6" F DN
6" F UP
1 1/2"HW
2" V DN
2"V
2" SS DN
4" SS DN
4"SS
4"V UP/DN
1"HW
6"OD UP
6"SD UP
6"OD DN
6"SD DN
2" V UP
4"V UP
P-104
P-301
P-804
P-705
P-402
P-404
P-602
P-721
P-101
P-901
1/2"RPZ
1 1/2"CW
2"HW
1/2"CW
1/2"HW
3/4"HW
1 1/4"HW
2"CW
1"HWR
2 1/2"CW
4" CW DN
3" HW DN
1 1/2" HWR DN
3" V UP
1/2" CW UP
1/2" HW UP
(E)4" SS DN
4"CW
3"HW
1 1/2"HWR
2"HW
2"CW
1"HWR
1/2"CW
2" SS DN
3/4"HWR
1/2"CW
1"CW
3/4"HWR
1/2"CW
6"SD
6"OD
1/2" CW UP
1/2" HW UP
3" V UP
2" V DN
4" CW DN
3" HW DN
1 1/2" HWR DN
2" SS DN
2" V DN
1"HWR
2"HW
2"CW
1"HWR
1/2"CW
3/4"HW
3/4"HW
3/4"CW
2"V
1 1/2"CW
1 1/4"HW
2" V DN
2" V DN
2" V DN

GENERAL NOTES

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

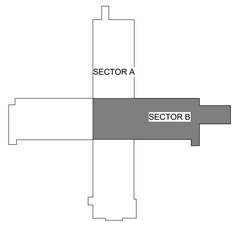
LEGEND NOTES

1. CONNECT COLD AND HOT WATER, VENT AND SANITARY LINES TO OWNER FURNISHED PREFABRICATED TOILET AND LAVATORY MODULES. CONTRACTOR TO FIELD COORDINATE EXACT CONNECTION POINTS AND PROVIDE ALL FITTINGS AND TRANSITIONS NECESSARY TO COMPLETE THE SYSTEM. REFER TO THE PREFABRICATED MODULE'S DRAWINGS FOR FURTHER DETAILS. 2△
2. AUTOMATIC BALANCING VALVE SET TO 1.25 GPM
3. AUTOMATIC BALANCING VALVE SET TO 5 GPM B△



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

LEVEL 3 - KEY PLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
07/30/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25

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

FLOOR PLAN - LEVEL 03 - SECTOR B - PLUMBING

P02-03B

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.

7/23/2025 10:12:56 AM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

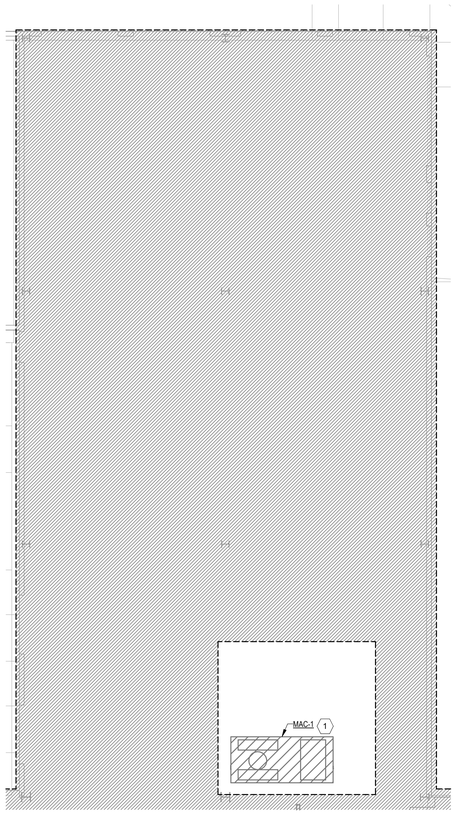
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

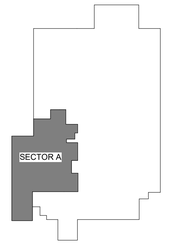
LEGEND NOTES

1. NEW TRIPLEX MEDICAL AIR COMPRESSOR TO REPLACE EXISTING EQUIPMENT IN PLACE. MODIFY EXISTING PIPING AS NEEDED FOR CONNECTION TO NEW EQUIPMENT.



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

LEVEL 1 - KEYPLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

P03-01

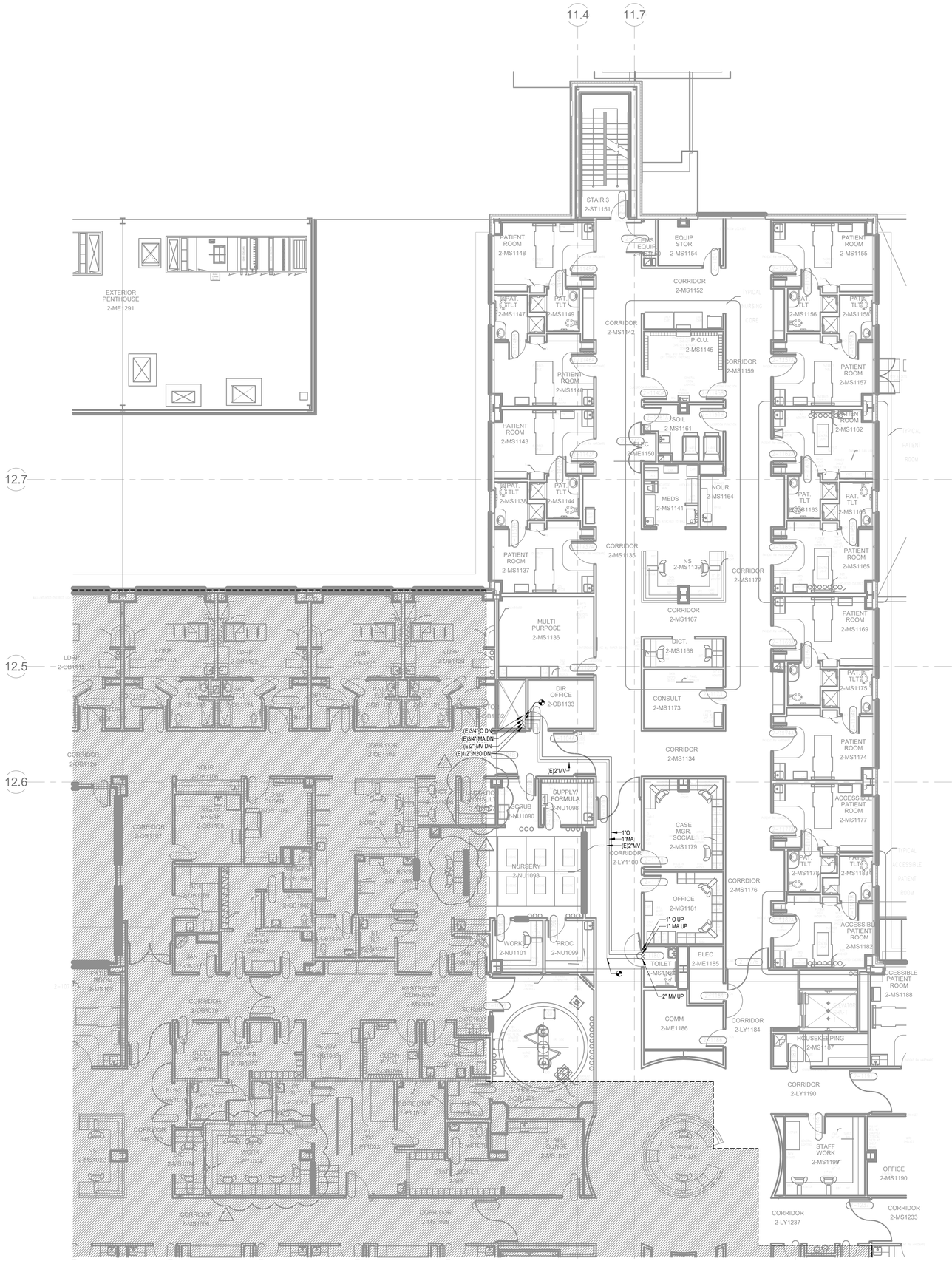
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:12 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

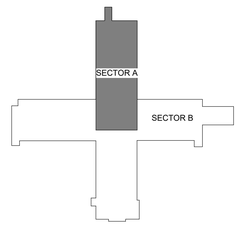
GENERAL NOTES

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



1 FLOOR PLAN - LEVEL 02 - SECTOR A - MEDICAL GAS
1/8" = 1'-0"

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 02 - SECTOR A - MEDICAL GAS

P03-02A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

12/4/2024 7:11:13 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

GENERAL NOTES

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

LEGEND NOTES

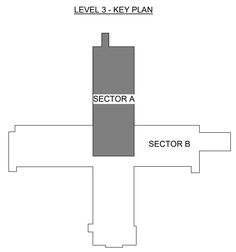
1. 1/2" OXYGEN, 1/2" MEDICAL AIR AND 3/4" MEDICAL VACUUM PIPING TO CONNECT TO PATIENT HEADWALLS. REFER TO PREMANUFACTURED HEADWALL CUTSHEETS FOR CONNECTION DETAILS.

MEDICAL GAS SCHEDULE

SYMBOL	OUTLET TYPE	GASES	LOCATION
A	CONNECTION TO PREFABRICATED HEADWALL	(2) O2, (2) A, (2) V, (2) SL	PATIENT ROOMS

MEDICAL GAS NOTES :
REFER TO ARCHITECTURAL AND PRE-FAB VENDOR ELEVATIONS FOR EXACT LOCATION OF MEDICAL GAS WALL OUTLETS.

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 03 - SECTOR A - MEDICAL GAS

P03-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:15 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

LEGEND NOTES

1. 1/2" OXYGEN, 1/2" MEDICAL AIR AND 3/4" MEDICAL VACUUM PIPING TO CONNECT TO PATIENT HEADWALLS. REFER TO PREMANUFACTURED HEADWALL CUTSHEETS FOR CONNECTION DETAILS.

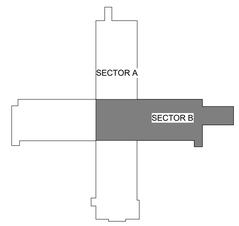
MEDICAL GAS SCHEDULE

SYMBOL	OUTLET TYPE	GASES	LOCATION
(A)	CONNECTION TO PREFABRICATED HEADWALL	(2) O2, (2) A, (2) V, (2) SL	PATIENT ROOMS

MEDICAL GAS NOTES :
REFER TO ARCHITECTURAL AND PRE-FAB VENDOR ELEVATIONS FOR EXACT LOCATION OF MEDICAL GAS WALL OUTLETS.

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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 03 - SECTOR B - MEDICAL GAS

P03-03B

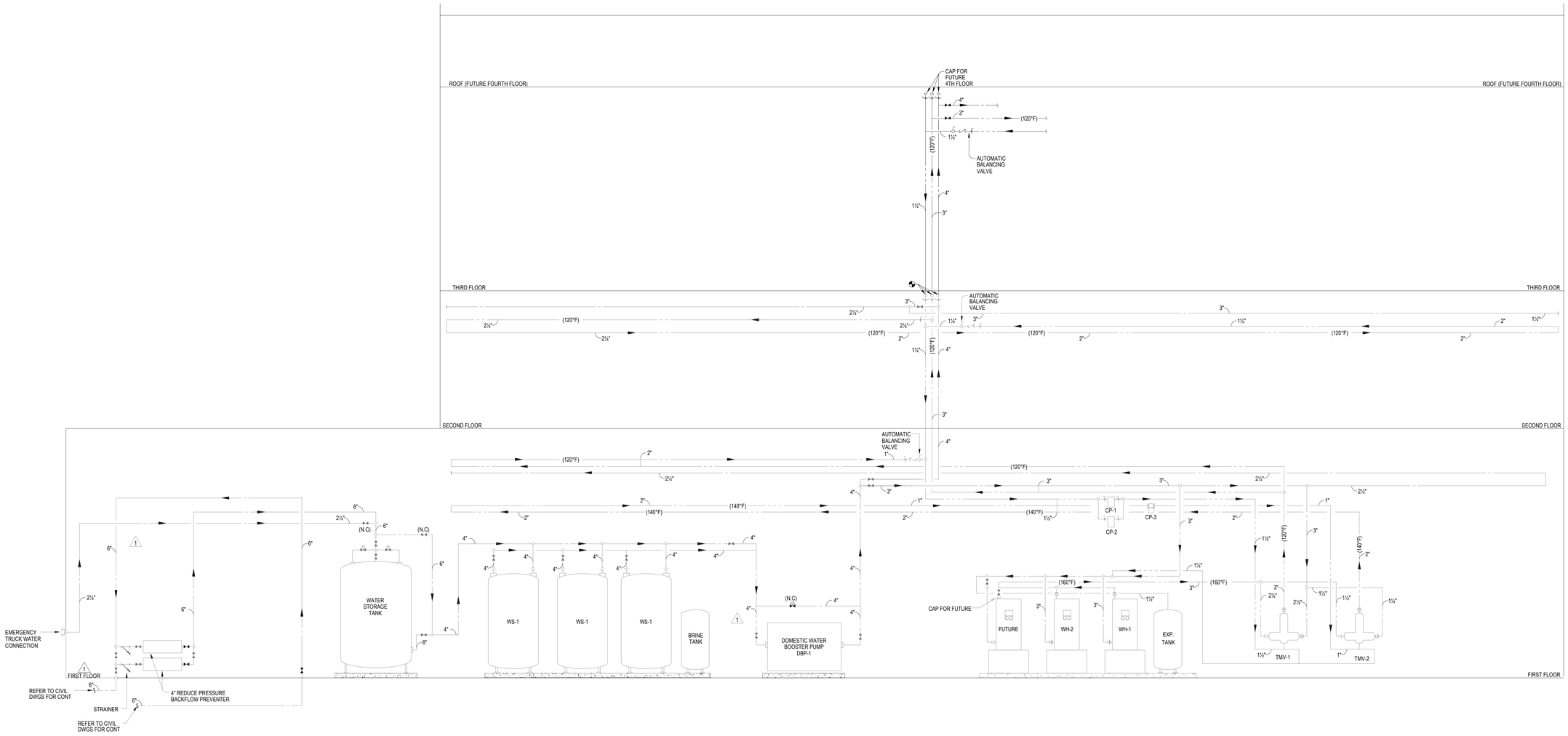
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:16 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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



1 DOMESTIC WATER RISER DIAGRAM
NTS

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

RISER DIAGRAM - PLUMBING

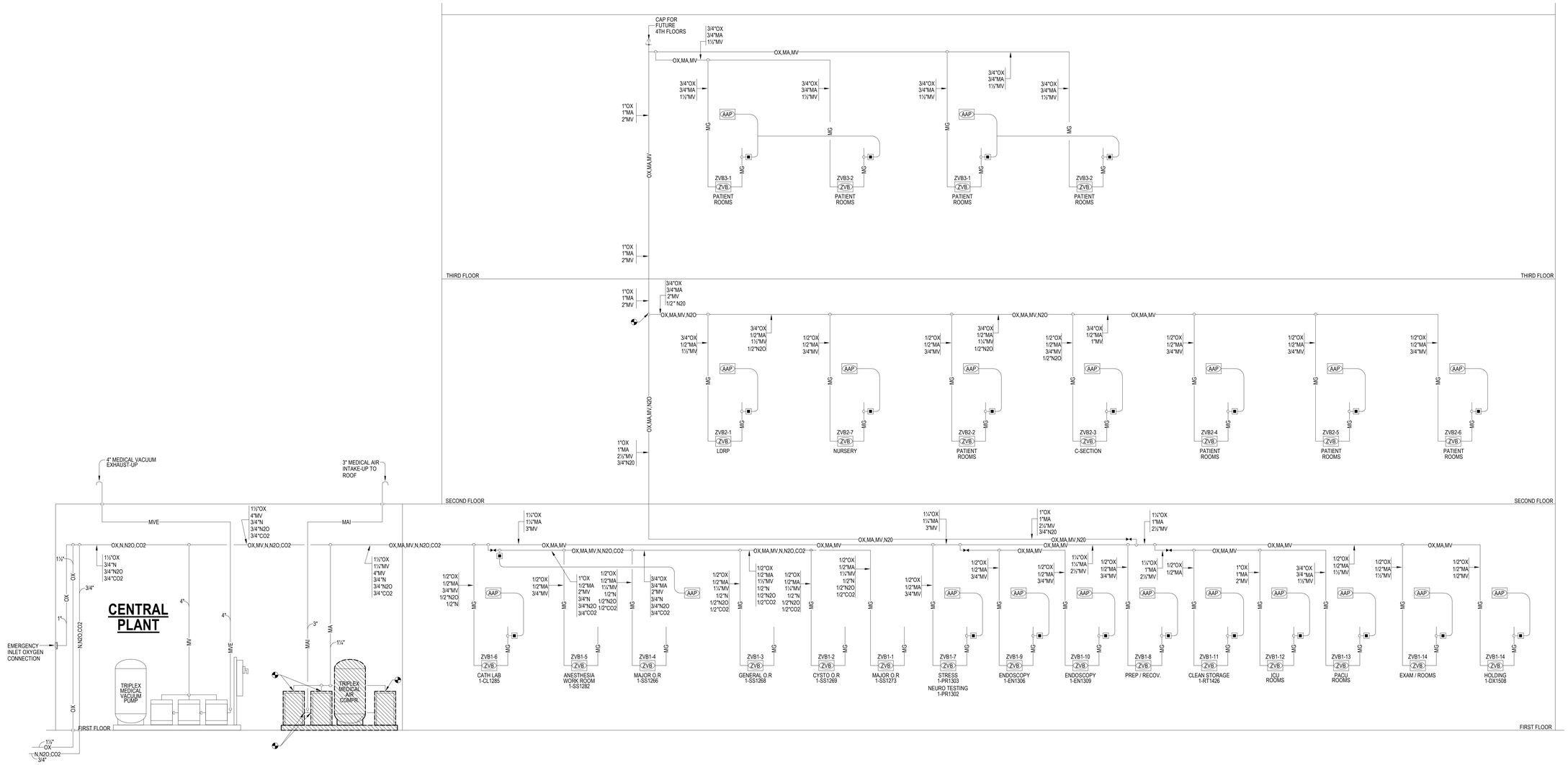
P06-01

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.

12/4/2024 7:11:18 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

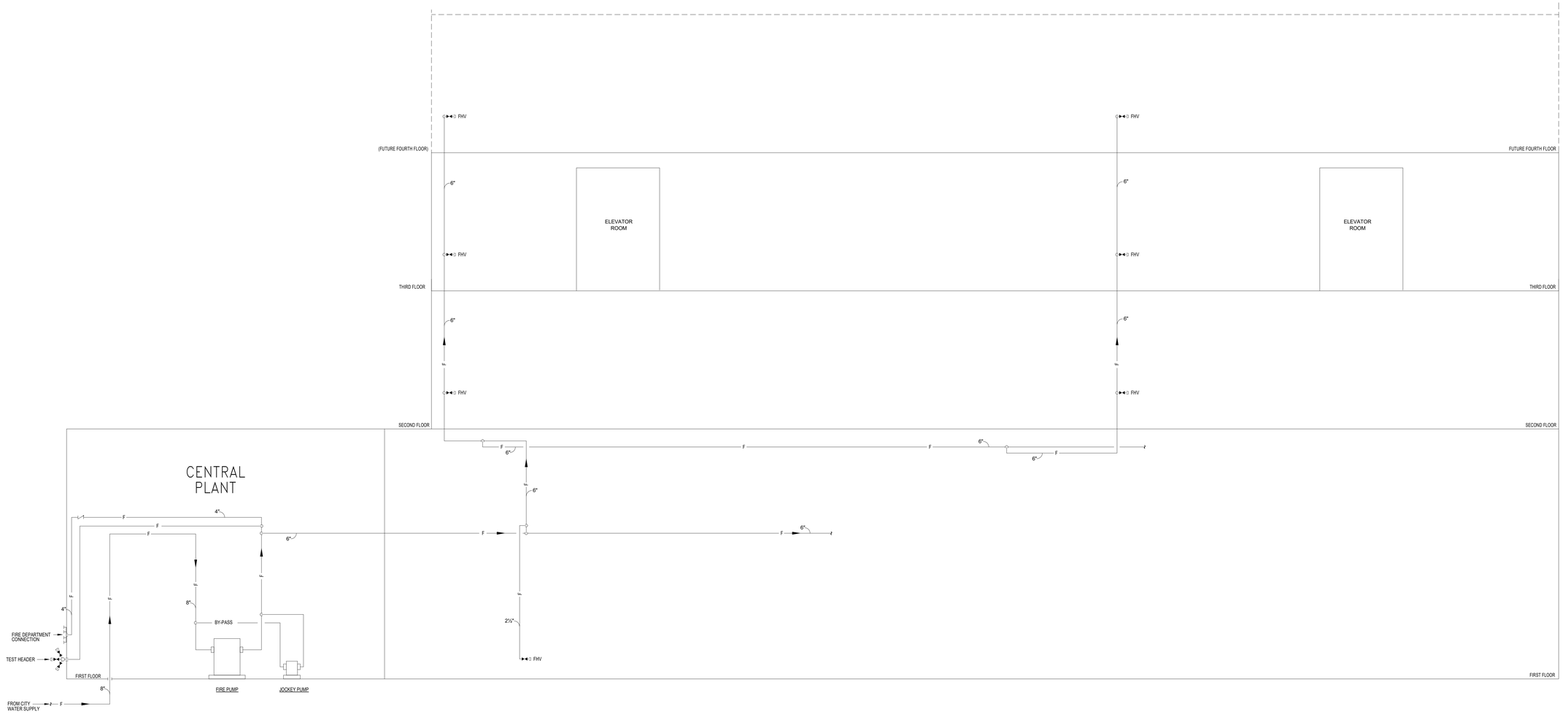
GENERAL NOTES

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


THIRD FLOOR
SECOND FLOOR
FIRST FLOOR
CAP FOR FUTURE 4TH FLOORS
3/4"OX 3/4"MA 1½"MV
OX,MA,MV
OX,MA,MV,N2O
1"OX 1"MA 2"MV
3/4"OX 3/4"MA 2"MV 1/2" N2O
1"OX 1"MA 2"MV 3/4"N2O
PATIENT ROOMS
LDRP
NURSERY
C-SECTION
4" MEDICAL VACUUM EXHAUST-UP
3" MEDICAL AIR INTAKE-UP TO ROOF
CENTRAL PLANT
TRIPLEX MEDICAL VACUUM PUMP
TRIPLEX MEDICAL AIR COMPR
EMERGENCY INLET OXYGEN CONNECTION
MVE
MAI
MV
OX,N,N2O,CO2
OX,MV,N,N2O,CO2
OX,MA,MV,N,N2O,CO2
1½"OX 4"MV 3/4"N 3/4"N2O 3/4"CO2
1½"OX 1½"MV 4"MV 3/4"N 3/4"N2O 3/4"CO2
1½"OX 1½"MA 3"MV
1"OX 1"MA 2½"MV 3/4"N20
1"OX 1"MA 2½"MV
1½"OX 1"MA 2½"MV
1½"OX 1"MA 2½"MV
1½"OX 1"MA 3"MV
1½"OX 1½"MA 3"MV
1/2"OX 1/2"MA 3/4"MV
1/2"OX 1/2"MA 1½"MV 1/2"N 1/2"N2O 1/2"CO2

GENERAL NOTES

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



NOTE: STANDPIPE AND SPRINKLER SYSTEM TO BE HYDRAULICALLY DESIGNED BY APPROVED SPRINKLER CONTRACTOR. ALL PIPING TO BE SIZED AND INSTALLED PER NFPA. SPRINKLER CONTRACTOR TO RUN ALL RELIEF VALVE DRAINS TO OUTSIDE

1 FIRE PROTECTION RISER DIAGRAM
NTS

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

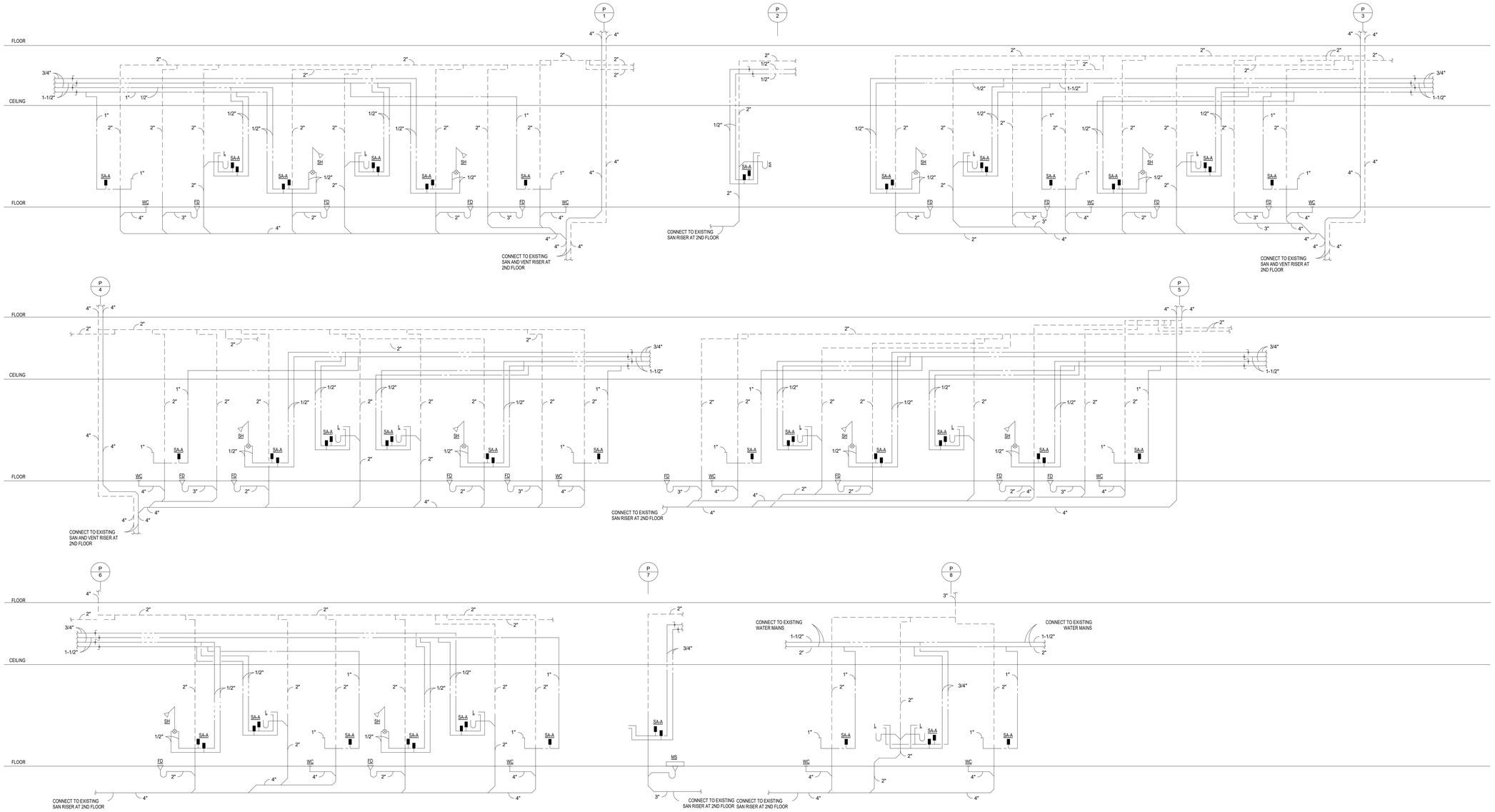
DATE:	2024/12/05
SCALE:	NTS
DRAWN:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

RISER DIAGRAM - PLUMBING

P06-03

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.

12/4/2024 7:11:19 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt



01 PLUMBING RISER DIAGRAMS
NO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	NTS
DRAWN:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

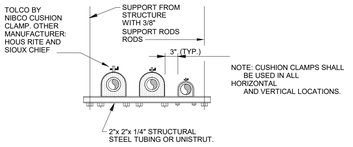
RISER DIAGRAM - PLUMBING

P06-04

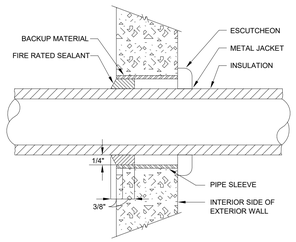
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

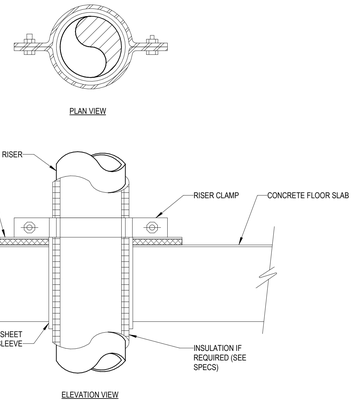
12/4/2024 7:11:20 PM



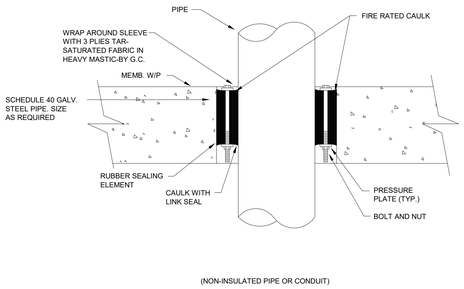
9 MEDICAL GAS PIPING DETAIL
1/8" = 1'-0"



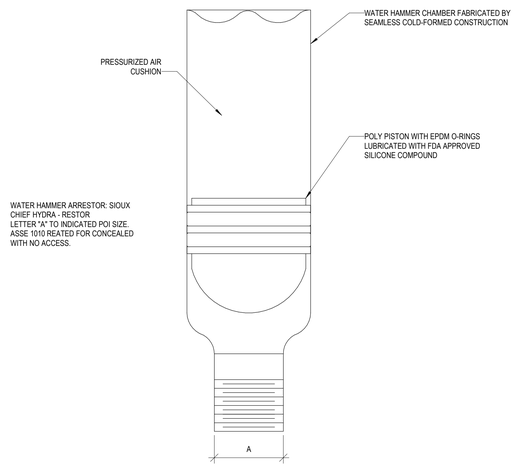
6 INSULATED PIPE THRU WALL - ABOVE GRADE
1/8" = 1'-0"



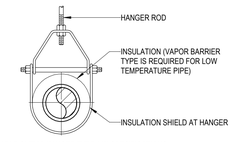
3 TYPICAL FLOOR PENETRATION DETAIL
NOT TO SCALE



8 PIPE SLEEVE THRU EXISTING FLOOR
1/8" = 1'-0"

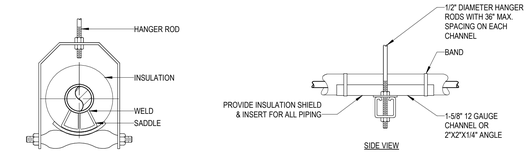


5 WATER HAMMER ARRESTOR (PISTON TYPE) DETAIL
NOT TO SCALE

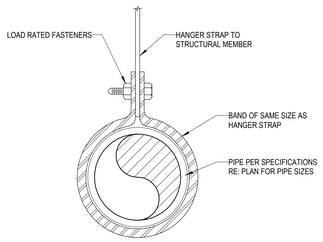


ADJUSTABLE CLEVIS HANGER TYPE 1 IN SPECIFICATIONS

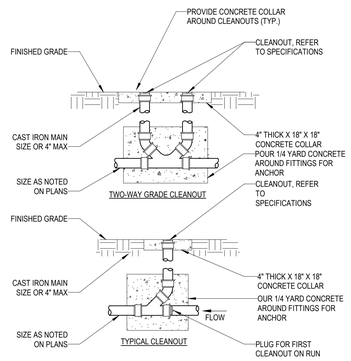
GENERAL NOTES:
A. REFER TO SPECIFICATIONS FOR METHODS & MATERIALS.
B. REFER TO SPECIFICATION SECTION 018703 FOR SEISMIC REQUIREMENTS.



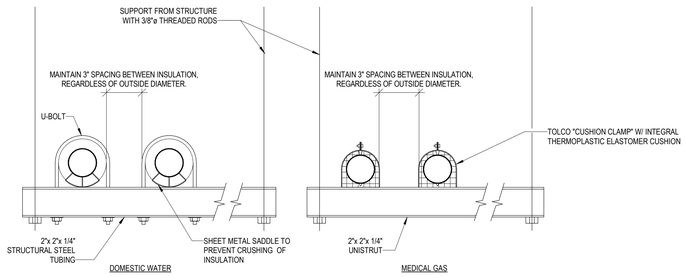
2 PIPE SUPPORT DETAILS
NOT TO SCALE



7 PIPE HANGER/SUPPORT DETAIL
NOT TO SCALE



4 CLEANOUT DETAILS
NOT TO SCALE



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

1 TRAPEZE PIPE HANGER DETAILS
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	NOT TO SCALE
DRAWN:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

DETAILS - PLUMBING

P07-01

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.

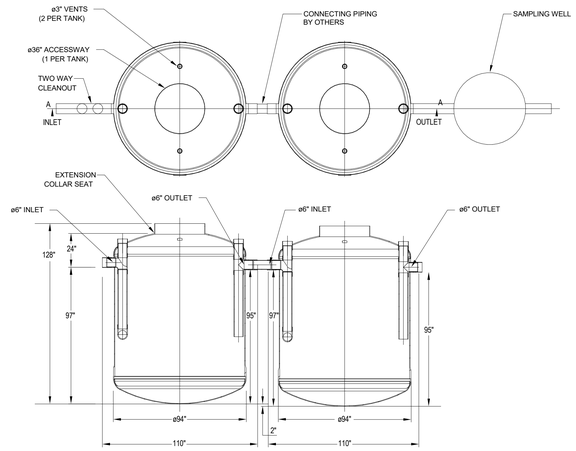
12/4/2024 7:11:21 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

NOTES:

1. FOR GRAVITY APPLICATIONS ONLY.
2. ALL PROCEPTOR UNITS ARE MANUFACTURED WITH FIBERGLASS REINFORCED PLASTICS; PHYSICAL CHARACTERISTICS:ISOPHTHALIC POLYESTER RESIN WITH E GLASS.
3. ALL PROCEPTOR UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTION.
4. ADVISE GREEN TURTLE OF INVERT DEPTH. DEEP INSTALLATIONS MAY REQUIRE CUSTOM REINFORCEMENT.
5. EXTENSION COLLAR TO BE ORDERED TO MEET FINISHED GRADE. CUT ON SITE FOR FINAL ADJUSTMENT, AND CAULKED WITH SIKAFLEX BY CONTRACTOR FOR WATERTIGHT SEAL.
6. COVERS AVAILABLE FOR H20 TRAFFIC LOADING, PEDESTRIAN LAODING OR ABOVE GROUND INSTALLATION.

TOTAL WET VOLUME: 5000 GAL
MAX. GREASE CAPACITY: 2226 GAL
MAX SOLIDS CAPACITY: 1776 GAL
6" INLET & OUTLET
36" ACCESSWAY
ALL DIMENSIONS IN INCHES



SECTION A-A

1 PROCEPTOR SEPERATOR GMC 5000(2) GALLON INTERCEPTOR
NTS

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	NTS
DRAWN:	CD
REVIEWED:	LW
JOB NUMBER:	6406.24

DETAILS - PLUMBING

P07-02

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 7:11:22 PM

PLUMBING FIXTURE

HCA DESIG.	FIXTURE TYPE	SAN.SEWER	VENT	COLD WATER	HOT WATER	DESCRIPTION
P-101	WATER CLOSET ADA COMPLIANT PUBLIC	4"	2"	1 1/2"	-	WATER CLOSET: ZURN MODEL No. Z5665-BWL1 (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, 10" ROUGHING-IN, LOW CONSUMPTION 1.1 GALLONS PER FLUSH, ELONGATED BOWL, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1½" TOP SPUD. FLUSH VALVE: ZURN MODEL No. Z-6000-AV-HET, HIGH EFFICIENCY (HET) 1.28 GPF, VACUUM BREAKER FLUSH CONNECTION, 1" I.P.S. BACK-CHECK ANGLE STOP, DIAPHRAGM TYPE MANUAL FLUSH VALVE, CHROME PLATED, VANDAL RESISTANT STOP CAP. SEAT: PROFLO MODEL No. PFTSCOF2000WH. WHITE OPEN SEAT FRONT LESS COVER, WITH SELF SUSTAINING CHECK HINGE.
P-104	WATER CLOSET ADA COMPLIANT PATIENT OFFSET	4"	2"	1 1/2"	-	WATER CLOSET: ZURN MODEL No. Z5666-BWL-BA-AM (WHITE) FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 16-3/4" RIM HEIGHT, 10" ROUGHING-IN, 1.28 HIGH-EFFICIENCY TOILET, ELONGATED BOWL WITH BED PAN LUGS, DIRECT FED SIPHON JET ACTION, FULLY GLAZED TRAPWAY, 1½" TOP SPUD. FLUSH VALVE: ZURN MODEL No. Z-6011-AV-BWN-WS1 BEDPAN WASHER, 1.6 GPF, EXPOSED, QUIET DIAPHRAGM-TYPE, CHROME PLATED, FLUSHOMETER VALVE WITH A POLISHED EXTERIOR, CHLORAMINE RESISTANT, DUAL SEAL DIAPHRAGM WITH CLOG RESISTANT, TRIPLE FILTERED BY-PASS, ADA COMPLIANT WITH A NON-HOLD OPEN AND NO LEAK HANDLE FEATURE, BEDPAN WASHER ASSEMBLY WITH OFFSET FLUSH TUBE, WALL BRACKET AND SUPPORT ROD, HIGH BACK PRESSURE VACUUM BREAKER, ONE-PIECE BOTTOM HEX COUPLING NUT, ADJUSTABLE TAILPIECE 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP, OFFSET FOR ADA APPLICATIONS, SPUD COUPLING AND FLANGE FOR 1½" TOP SPUD. SEAT: PROFLO MODEL No. PFTSCOF2000WH. WHITE OPEN SEAT FRONT LESS COVER, WITH SELF SUSTAINING CHECK HINGE.
P-301	LAVATORY - WALL HUNG ADA COMPLIANT PUBLIC	2"	2"	1/2"	1/2"	LAVATORY: ZURN MODEL No. Z5344 WHITE 20X18 4CC WALL MOUNT WALL MOUNT LAVATORY, VITREOUS CHINA. PUBLIC
P-304	LAVATORY - WALL HUNG ADA COMPLIANT PATIENT	2"	2"	1/2"	1/2"	LAVATORY: ZURN MODEL No. Z5344 WHITE 20X18 4CC WALL MOUNT WALL HUNG LAVATORY, VITREOUS CHINA. PATIENT FAUCET: ZURN MODEL No. Z812A4-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. PFGD101 1-1/4" X 6" CP OFFSET GRID DRAIN AND TAILPIECE P-TRAP: PROFLO MODEL No. PFPTB400 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 ZZ1231 FLOOR MOUNTED CARRIER
P-402	SINK SINGLE COMPARTMENT ADA COMPLIANT	2"	2"	1/2"	1/2"	SINK: ELKAY MODEL LRAD1919S5 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. Z831B4-XL-FC 1.5, 8" FIXED CENTERS RIGID OR SWING GOOSENECK SPOUT, WITH 1.5 GPM FLOW CONTROL IN BASE OF SPOUT AND WITH 4" WRISTBLADE HANDLES. STRAINER/TAILPIECE: PROFLO MODEL No. PFWTS CHROME PLATED BRASS 4-1/2" WIDE STRAINER WITH PROFLO PFTPB100 17 GA FLANGED TAILPIECE. P-TRAP: PROFLO MODEL No. PFPTB403 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 LRAD-1919-5S-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. STRAINER/TAILPIECE: PROFLO MODEL No. PF151ACP BASKET DRAIN WITH 1-1/2" 20 GAUGE TAILPIECE. P-TRAP: PROFLO MODEL No. PFPTB403 1-1/2 17 GA CHROME PLATED CAST BRASS BODY P-TRAP, TUBULAR BRASS WALL BEND. STOPS AND RISERS: TWO PFXQAC32C LEAD FREE 1/4 TURN CHROME PLATED BRASS ANGLE STOPS, TWO PFE7 1/2" CP ESCUTCHEONS AND TWO PFX146324 20" FLEXIBLE STAINLESS STEEL RISERS.
P-602	SHOWER (SOLID SURFACE)	2"	2"	1/2"	1/2"	ENCLOSURE: REFER TO ARCHITECT FOR SHOWER ENCLOSURE SPECIFICATION. WALLS, GRAB BAR, SOAP DISH, FOLD-UP SEAT FURNISHED BY OTHERS. FAUCET: SYMMONS No. SYM6605-PLR-X-231 PRESSURE BALANCING SHOWER VALVE. ADA COMPLIANT, DIVERTER WITH VOLUME CONTROL, INTEGRAL SERVICE STOPS AND LEVER HANDLE. SUPER SHOWER HEAD WITH ARM AND FLANGE. ADA HAND HELD SHOWER, INLINE VACUUM BREAKER, 60" HOSE AND 36" SLIDE BAR. INSTALL FAUCET ASSEMBLY OFFSET AS DIRECTED BY THE ADA RULES. DRAIN: 2" SELF CAULKING BRASS SHOWER DRAIN.
P-705	FLOOR SINK	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZN-1901-KC-2, SANI-FLOR RECEPTOR 12" DIAMETER 8" DEEP CAST IRON BODY ROUND. MEMBRANE FLASHING CLAMP AND ANCHOR FLANGE WITH SEEPAGE HOLES, LIGHT-DUTY 1/2 GRATE WITH SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLE
P-710	ROOF DRAIN	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZA-100-NH-DR, 15" DIAMETER ROOF DRAIN. DURA-COATED IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE NO-HUB ALUMINUM DOME.
P-711	OVERFLOW DRAIN	AS NOTED ON PLANS	-	-	-	ZURN MODEL ZA-100-NH-DR-W2, 15" DIAMETER ROOF DRAIN. DURA-COATED IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE NO-HUB ALUMINUM DOME AND 2" INTERNAL WATER DAM.
P-721	FLOOR DRAIN DECON	AS NOTED ON PLANS	-	-	-	ZURN MODEL Z-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 ZARB199-IP-SS, ALL PLAIN BRONZE BODY DOWN SPOUT NOZZLE WITH THREADED INLET AND REMOVABLE STAINLESS SCREEN.
P-801	WALL HYDRANT EXTERIOR	-	-	3/4"	-	ZURN MODEL Z-131034X8, EXPOSED ANTI-SIPHON NON-FREEZE WALL HYDRANT WITH VACUUM BREAKER AND STAINLESS STEEL FACE. 8" WALL THICKNESS.
P-802	WALL HYDRANT INTERIOR	-	-	3/4"	-	ZURN MODEL Z-1341-P34-LK-PC, EXPOSED ANTI-SIPHON LOOSE KEY WALL HYDRANT WITH VACUUM BREAKER AND POLISHED CHROME FINISH.
P-804	ICE MAKER BOX	-	-	1/2"	-	OATEY MODEL 39140 20 GAUGE STEEL ICE MAKER BOX WITH 1/4 TURN BALL VALVE AND WATER HAMMER ARRESTOR, LOW LEAD COMPLIANT.
P-819	ROOF HYDRANT	-	-	3/4"	-	ZURN MODEL Z-1388XL34ACVB, NON-FREEZE ROOF HYDRANT WITH VACUUM BREAKER AND CASING GUARD.
P-901	JANITOR SINK AND EYEWASH	3"	2"	3/4"	3/4"	MOP SINK: STERN WILLIAMS #SB-902, 24" X 24" X 12" SQUARE TERRAZZO MOP SINK WITH STAINLESS STEEL CAP, SS RIM GAURDS AND PROFLO PFWG24S SS WALL GUARDS FOR 24X24 MOP BASIN FAUCET:SPEAKMAN SEF9000-TW EYEWASH FAUCET AND MIXING VALVE TRAINNER/TAILPIECE:STERN-WILLIAMS TCSTCNH GASKET. DRAIN: STERN WILLIAMS STC3NH MOP SINK GASKET FOR CAST IRON PIPE. AT EACH MOP SINK LOCATION PROVIDE A 1/2" REDUCED PRESSURE BACKFLOW PREVENTER (RPZ) ON A HOT WATER LINE ADJACENT TO THE MOP SINK FOR CONNECTION TO A SOAP MACHINE. REFER TO XX/P7.XX FOR TYPICAL MOP SINK CONNECTIONS TO SOAP DISPENSER.

MEDICAL AIR COMPRESSOR SCHEDULE

Mark	Model Number	HP	System Capacity[2]		Pacakge BTU/HR[3]	Noise Level[4]	System FLA			Receiver Size (gallons)	Receiver Height (H) (inches)	Package Weight (pounds)
			50 psig	110 psig			208V (A)	230B (A)	460V (C)			
MAC-1	PATTON'S MEDICAL 62-33-204(A/B/C)	20	139.2	128	101,868	82	156	143	72	200	89	3,035

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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

JONATHAN DECKERT NUMBER PE-2021039309 STATE OF MISSOURI PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

SCHEDULES - PLUMBING

P08-01

Notice of Alternate Billing or Payment Cycle: 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.

2/6/2025 12:04:19 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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-LAYIN CEILINGS.

Y. TERMINAL BOX INLET DUCTS: SIZE THE RUNOUT DUCT AND ITS TAP AT MAIN TRUCK PER VAV BOX SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.

Z. TERMINAL BOX OUTLET DUCTS: SIZE THE LOW PRESSURE OUTLET DUCT TO BE SIZE OF TERMINAL BOX DISCHARGE UNLESS NOTED OTHERWISE ON PLANS.

AA. PROVIDE FRAMED 0.5" BY 0.5" BIRD SCREEN (GALVANIZED STEEL ASSEMBLY) AT ALL DUCTS TERMINATING WITHOUT AN AIR DEVICE, AND AT UNDUCTED AIR FLOW OPENINGS AT EQUIPMENT. PROVIDE 0.5" BY 0.5" BIRD SCREEN (316 STAINLESS STEEL) AT ALL INDOOR FACE OF LOUVERS AND UNDUCTED AIR FLOW OPENINGS TO EQUIPMENT HANDLING OUTSIDE AIR.

AB. PROVIDE MANUAL VOLUME DAMPER IN EACH AIR DEVICE RUNOUT DUCT AS FAR FROM AIR DEVICE AS POSSIBLE.

AC. INSTALL SPACE THERMOSTAT ADJACENT TO LATCH SIDE OF DOOR IN SPACE INDICATED.

AD. INDICATED SPACE THERMOSTAT LOCATIONS ARE APPROXIMATE. AVOID HEAT PRODUCING EQUIPMENT.

AE. FINAL SPACE THERMOSTAT/SENSOR LOCATIONS SHALL BE AS DIRECTED BY THE ARCHITECT.

AF. INSTALL HUMIDISTATS IN SIMILAR FASHION.

AG. INSTALL TURNING VANES IN ALL 90 DEGREE SQUARE ELLS IN SUPPLY, RETURN, AND EXHAUST DUCTS. (NONE ALLOWED IN COMBUSTION AIR DUCTS).

AH. LOCATE ISOLATION VALVES FOR EQUIPMENT AS CLOSE TO THE MAIN AS POSSIBLE.

AI. PROVIDE CONDENSATE DRAIN PIPING FROM ALL COOLING COILS TO DRAIN.

AJ. MULTI-BLADE DAMPERS OF ANY TYPE INSTALLED WITHIN 36" OF AN ELL OR OTHER FITTING SHALL BE INSTALLED WITH THE DAMPER BLADE SHAFTS PARALLEL TO THE AIRSTREAM FLOW DIRECTION UPSTREAM OF THE FITTING.

AK. COORDINATE LOCATION OF ALL DISCONNECTS, CONTROL PANELS AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES OF 42" DEEP AND 30" WIDE IN FRONT OF EQUIPMENT.

AL. ALL FIRE AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION DETAILS AND BE U.L. TESTED AND LISTED.

AM. FULLY INTEGRATE ALL NEW CONTROLS WITH ALL EXISTING / MODIFIED EQUIPMENT BACK TO NEW FMS AND ENGINEER'S WORKSTATION IN RENOVATION PROJECT.

AN. PROVIDE FILTER GAUGE ACROSS EACH FILTER BANK SERVING CENTRAL AIR SYSTEMS. THE GAUGE SHALL BE RED LINED OR A FILTER ALARM LIGHT INSTALLED TO SIGNAL WITH THE RECOMMENDED MAXIMUM STATIC PRESSURE DROP HAS BEEN REACHED. USE MAXIMUM STATIC PRESSURE AS RECOMMENDED BY FILTER MANUFACTURER.

AO. PIPE CONNECTIONS LESS THAN 2-1/2" TO HEATING COILS, COOLING COILS, HUMIDIFIERS AND SIMILAR EQUIPMENT SHALL HAVE FLEXIBLE CONNECTORS OR THREE 90-DEGREE OFFSETS IN CLOSE PROXIMITY OF THE CONNECTION.

AP. CONTRACTOR SHALL RE-INSPECT RECOMMENDED CONNECTION POINTS AFTER DEMOLITION PHASE TO ENSURE TIE-IN POINTS ARE ADEQUATE FOR RENOVATION SYSTEMS.

AQ. CONTRACTOR SHALL TEST AND BALANCE ALL EXISTING SYSTEMS THAT ARE TO BE CONNECTED TO FOR THE RENOVATION PHASE PRIOR TO INSTALLING NEW WORK AND DOCUMENT VALUES. CONTRACTORS SHALL RE-TEST AND BALANCE EXISTING SYSTEMS AFTER CONNECTION TO ENSURE ALL DOWN STREAM SYSTEMS ARE PROVIDED THE SAME PERFORMANCE AFTER CONSTRUCTION.

AR. ALL DISCONNECTS DOWN STREAM OF VFDS SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN UPSTREAM VFD WHEN SWITCH IS OPEN.

GENERAL PIPING NOTES

A. REFER TO THE ARCHITECTURAL PHASING PLAN FOR THE AREAS SHOWN ON THIS SET OF PLANS. WORK SHALL BE SCHEDULED AND PERFORMED IN SEQUENCE WITH THE PHASING PLAN.

B. DEMOLITION OF EACH PHASE SHALL OCCUR AS PART OF THE WORK FOR THAT PHASE. REMOVE ONLY THE WORK THAT SERVES THE AREA OF DEMOLITION.

C. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED.

D. PROVIDE ADDITIONAL VALVES, TAPS, TEMPORARY DUCTWORK AND/OR PIPING AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE OF THE PHASE IN WHICH WORK IS BEING PERFORMED.

E. ALL WORK SHALL BE PERFORMED IN STRICT COORDINATION WITH HOSPITAL SCHEDULES, OCCUPANCIES, AND WORK. CONTRACTOR SHALL COORDINATE WITH HOSPITAL REPRESENTATIVE.

F. ALL NECESSARY SHUTDOWNS OR OUT OF PHASE WORK SHALL BE SCHEDULED WITH THE HOSPITAL REPRESENTATIVE IN A TIMELY MANNER AS TO MINIMIZE THE DISRUPTION TO THE FACILITY.

G. ARCHITECT SHALL HAVE FINAL APPROVAL OF ALL THERMOSTAT LOCATIONS.

H. G.C. TO PROVIDE ACCESS DOORS IF REQUIRED FOR ACCESS TO VAV'S AND ANY VALVES THAT ARE NOT ACCESSIBLE. VERIFY SIZE AND LOCATIONS WITH MECHANICAL CONTRACTOR.

I. CONTRACTOR SHALL RE-INSPECT RECOMMENDED CONNECTION POINTS AFTER DEMOLITION PHASE TO ENSURE TIE-IN POINTS ARE ADEQUATE FOR RENOVATION SYSTEMS.

J. CONTRACTOR SHALL TEST AND BALANCE ALL EXISTING SYSTEMS THAT ARE TO BE CONNECTED TO FOR THE RENOVATION PHASE PRIOR TO INSTALLING NEW WORK AND DOCUMENT VALUES. CONTRACTORS SHALL RE-TEST AND BALANCE EXISTING SYSTEMS AFTER CONNECTION TO ENSURE ALL DOWN STREAM SYSTEMS ARE PROVIDED THE SAME PERFORMANCE AFTER CONSTRUCTION.

K. CONTRACTOR SHALL COORDINATE ALL SLAB PENETRATIONS WITH EXISTING WAFFLE SLAB RIDGES AND BEAMS.

GENERAL DEMOLITION NOTES

A. ALL CAPPED DUCT TAPS AND CONNECTING DUCTS THAT ARE NOT BEING USED ARE TO BE REMOVED BACK TO THE MAIN DUCT AND PATCHED AS PER ITEM B BELOW.

B. PATCH OPENINGS IN EXISTING DUCTWORK THAT IS TO REMAIN INCLUDING OPENINGS. WHERE TAPS OR DUCTWORK ARE TO BE REMOVED, THE FOLLOWING SHALL OCCUR:

· OPENINGS IN THE MAIN DUCTS ARE TO BE COVERED WITH A SHEET METAL PATCH. THE PATCH IS TO BE LARGER THAN THE EXISTING OPENING AND IS TO BE SECURED WITH SHEET METAL SCREWS FOUR INCHES ON CENTERS.

· A LIBERAL QUANTITY OF FIRE RESISTANT ADHESIVE IS TO BE APPLIED TO THE EDGES OF THE METAL PATCH AND THE ASSEMBLY SCREWED IN PLACE.

C. REFER TO THE ARCHITECTURAL PHASING PLAN FOR THE AREAS SHOWN ON THIS PLAN. WORK SHALL BE SCHEDULED AND PERFORMED IN SEQUENCE WITH THE PHASING PLAN.

D. DEMOLITION OF EACH PHASE SHALL OCCUR AS PART OF THE WORK FOR THAT PHASE. REMOVE ONLY THE WORK THAT SERVES THE AREA OF DEMOLITION.

E. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED.

F. PROVIDE ADDITIONAL VALVES, TAPS, TEMPORARY DUCTWORK AND/OR PIPING AS NECESSARY TO PROVIDE UNINTERRUPTED SERVICE TO AREAS OUTSIDE OF THE PHASE IN WHICH WORK IS BEING PERFORMED.

G. ALL WORK SHALL BE PERFORMED IN STRICT COORDINATION WITH HOSPITAL SCHEDULES, OCCUPANCIES AND WORK. CONTRACTOR SHALL COORDINATE WITH HOSPITAL REPRESENTATIVE.

H. ALL NECESSARY SHUTDOWNS OR OUT OF PHASE WORK SHALL BE SCHEDULED WITH THE HOSPITAL REPRESENTATIVE.

I. FOR ALL MINOR RENOVATION AREAS, THE CONTRACTOR IS TO UNDERTAKE A FULL PRE-TAB OF ALL GRILLES AND DIFFUSERS WITHIN THE AREAS PRIOR TO DEMOLITION. THE REPORT SHOULD BE SENT TO THE EOR. UPON COMPLETION OF THE GRILLE/DIFFUSER REPLACEMENTS IN THESE AREAS, THE CONTRACTOR IS REQUIRED TO RE-BALANCE THE SYSTEM BACK TO THE VALUES DOCUMENTED WITHIN THE PRE-TAB REPORT. PLEASE NOTE THE PRE-TAB IS TO BE PERFORMED PRIOR TO ANY WORK ASSOCIATED WITH THE RESPECTIVE SYSTEMS BEING UNDERTAKEN.

FIRE ALARM SEQUENCE OF OPERATION

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

DESIGN CRITERIA

LOCATION: CITY/STATE	LEE'S SUMMIT, MISSOURI
APPLICABLE CODES:	
BUILDING	2018 IBC
MECHANICAL	2018 IMC
PLUMBING	2018 IPC
ELECTRICAL	2017 NEC
FIRE	2018 IFC
FACILITY GUIDELINES INSTITUTE	2014 FGI
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% DRY BULB	3.9 °F
HCA DESIGN CRITERIA	-6 °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
AFF	ABOVE FINISHED FLOOR	HW	HEATING HOT WATER
AHU	AIR HANDLING UNIT	IBT	INVERTED BUCKET TRAP
AI	ANALOG INPUT	IN HG	INCHES MERCURY (PRESSURE)
AO	ANALOG OUTPUT	IN WC	INCHES WATER COLUMN (PRESSURE)
BF	BELOW FLOOR, BLIND FLANGE	LE	LAUNDRY EQUIPMENT
BFC	BELOW FINISHED CEILING	MA	MIXED AIR
BG	BELOW GRADE	MVD	MOTORIZED VOLUME DAMPER
BV	BUTTERFLY VALVE	N	NEW
CHW	CHILLED WATER	OA	OUTSIDE AIR
CRU	COMPUTER ROOM UNIT	OBD	OPPOSED BLADE DAMPER
CRU	CONDENSATE RETURN UNIT	PRV	PRESSURE RELIEF VALVE
CU	CONDENSING UNIT	R	RELOCATED
DI	DIGITAL INPUT	RA	RETURN AIR
DO	DIGITAL OUTPUT	RCA	RECIRCULATED (RETURN) AIR
DS	DISCONNECT SWITCH	RLA	RELIEF AIR
E	EXISTING	SA	SUPPLY AIR
EDH	ELECTRIC DUCT HEATER	SF	SUPPLY FAN
EUH	ELECTRIC UNIT HEATER	SV	SAFETY VALVE
EA	EXHAUST AIR	TAV	THERMOSTATIC AIR VENT (STEAM SYSTEM)
EF	EXHAUST FAN	UH	UNIT HEATER
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	TEMERATURE 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/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 28
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 23	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 AUXILLARY 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.

MECHANICAL SYMBOLS

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

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

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	N.T.S.
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

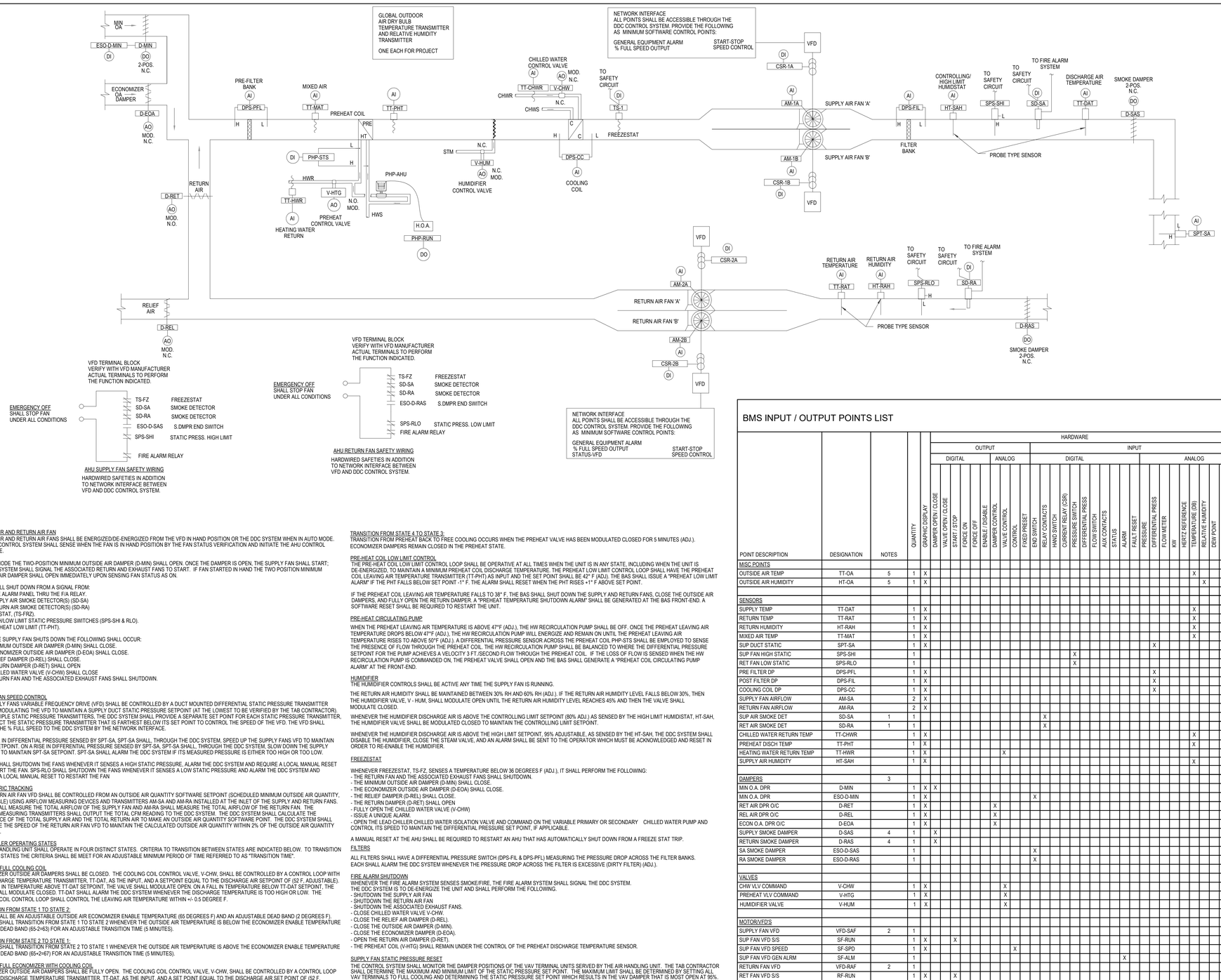
GENERAL INFORMATION - MECHANICAL

M00-00

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

12/4/2024 6:05:24 PM



BMS INPUT / OUTPUT POINTS LIST

| POINT DESCRIPTION | DESIGNATION | NOTES | QUANTITY | GRAPHIC DISPLAY | HARDWARE: OUTPUT: DIGITAL: DAMPER OPEN / CLOSE | VALVE OPEN / CLOSE | START / STOP | FORCE ON | FORCE OFF | ENABLE / DISABLE | DAMPER CONTROL | VALVE CONTROL | CONTROL | HARDWARE: OUTPUT: ANALOG: FIXED PRESET | HARDWARE: INPUT: DIGITAL: END SWITCH | RELAY CONTACTS | HAND SWITCH | CURRENT RELAY (CSR) | PRESSURE SWITCH | DIFFERENTIAL PRESS | FLOW SWITCH | AUX CONTACTS | STATUS | ALARM | FAULT RESET | HARDWARE: INPUT: ANALOG: PRESSURE | DIFFERENTIAL PRESS | FLOW METER | KW | HERTZ REFERENCE | TEMPERATURE (DB) | RELATIVE HUMIDITY | DEW POINT | MEASURE | SPEED / POSITION | PULSE | SOFTWARE: ALARMS: STATUS FAILURE | HIGH/LIMIT | LOW LIMIT | SMOKE | MAINTENANCE | SOFTWARE: CALCULATED VALUE: KW | BTUH | CFM | GPM | RUN TIME HRS | INTEGRATOR | GALLONS / TON | SOFTWARE: PROGRAMS: AUTO RESTART | CHILLER OPTIMIZATION | COND WATER RESET | DEMAND LIMITING | EVENT PROGRAMS | FAIL MODE (CLOSED) | FAIL MODE (OPEN) | LIGHTING CONTROL | RUN TIME TOTALIZATION | SCHEDULED START / STOP | LEAD / LAG | SUPPLY AIR RESET | TREND LOGGING |
|---|---|---

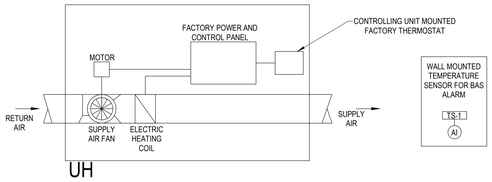
DESCRIPTION	TAG	UNITS	NOTES	QUANTITY	GRAPHIC DISPLAY	CALCULATED VALUE	ANALOG INPUT	ANALOG OUTPUT	DIGITAL INPUT	DIGITAL OUTPUT	FAIL CLOSED ACUATOR	FAIL OPEN ACUATOR	QTY. OF AUTOMATIC RESTART ATTEMPTS	CALCULATE RUN TIME	TRENDING	ALARM VALUE AND DELAY	RESET LIMITS
POINT AND ACTUATOR COUNTS			TOTALS			0	5	2	7	1	0	0					
KITCHEN HOOD - #				X													
RESISTANCE TEMPERATURE DETECTORS (RTD)	TT-X	°F	3, 4	1	X		X								EVERY 5 MIN. OR +/-3°F		
EXHAUST AIRFLOW		CFM	4	1	X		X								5 MIN.		MAX AIRFLOW (CFM)
EXHAUST FAN SPEED		%	4	1	X			X									
FIRE MODE		NORMAL/ALARM	4	1	X					X						FIRE	
REMOTE START		ON/OFF	4							X							
CONTROLLER ALARM		NORMAL/ALARM	4	1	X					X							
EXHAUST FAN ALARM		NORMAL/ALARM	4	1	X					X							
EXHAUST DAMPER CONTROL	D-1	%	4	1	X		X								5 MIN.		
EXHAUST FAN VFD	KEF-X-VFD		2	X	X									3			
EXHAUST FAN START/STOP	KEF-X-RUN	START/STOP	2	X	X					X					EVERY INST.		
EXHAUST FAN STATUS	KEF-X-STS	ON/OFF	2	X	X					X				X	EVERY INST.	COMMAND MISMATCH, 1 MINUTE (CONTROLS TO ADJUST AS NEEDED)	
EXHAUST FAN SPEED	KEF-X-SPD	%	2	X	X			X							5 MIN.		
EXHAUST FAN SPEED FEEDBACK	KEF-X-FB	Hz	2	X	X		X								5 MIN.	+/- 5% FROM COMMAND, 3 MINUTES	
EXHAUST FAN VFD GENERAL ALARM	KEF-X-ALM	NORMAL/ALARM	2	X	X					X					EVERY INST.	INSTANT	
EXHAUST FAN CURRENT SENSING RELAY	KEF-X-CSR	ON/OFF	2	X	X					X					EVERY INST.		
EXHAUST FAN AIRFLOW MONITORING STATION	KEF-X-AM	CFM	2	X	X		X								5 MIN.		

NOTES:
1. SMOKE DETECTORS SHALL BE FURNISHED BY F/A CONTRACTOR
2. ONE PER EXHAUST FAN.
3. MULTIPLE TEMPERATURE SENSORS PER HOOD.
4. POINT PICKED UP FROM THE KITCHEN HOOD CONTROL PANEL.

4 KITCHEN HOOD POINTS LIST
NOT TO SCALE

BMS INPUT / OUTPUT POINTS LIST

| POINT DESCRIPTION | DESIGNATION | QUANTITY | GRAPHIC DISPLAY | HARDWARE: OUTPUT: DIGITAL: DAMPER OPEN / CLOSE | START / STOP | FORCE ON | FORCE OFF | ENABLE / DISABLE | HARDWARE: OUTPUT: ANALOG: DAMPER CONTROL | VALVE CONTROL | CONTROL (MODULATING) | HARDWARE: INPUT: DIGITAL: CURRENT RELAY (CSR) | END SWITCH (ESO, ESC) | DIFFERENTIAL PRESS (DPS) | RELAY CONTACTS | PRESSURE (PS) | FLOW SWITCH (FS) | HAND SWITCH | AUX CONTACTS | STATUS | ALARM | HARDWARE: INPUT: ANALOG: TEMPERATURE (DB) | RELATIVE HUMIDITY (HT) | DIFFERENTIAL PRESS (DPT) | PRESSURE (PT) | FLOW (PM,AFMS) | KW | DEW POINT | HERTZ REFERENCE | SPEED/PQKS, FEEDBACK | PULSE | SOFTWARE: ALARMS: STATUS FAILURE | HIGH LIMIT | LOW LIMIT | SMOKE | MAINTENANCE | SOFTWARE: CALCULATED VALUE: KW | BTUH | CFM | GPM | RUN TIME HRS | SOFTWARE: PROGRAMS: SCHEDULED START/STOP | AUTO RESTART | DEMAND LIMITING | LEAD/LAG | RUN TIME TOTALIZATION | FAIL MODE (CLOSED) | FAILED MODE (OPEN) | TREND LOGGING | DISCHARGE TEMP RESET | LIGHTING CONTROL | SOFTWARE CONTROL POINT | NETWORK INTERFACE POINT | REMARKS - SEE NOTE # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---



UNIT HEATER - ELECTRIC HEATING COIL
FCU SHALL BE ENABLED AND DISABLED LOCALLY VIA ITS FACTORY POWER AND CONTROL WIRING. UNIT HEATER SHALL OPERATE IN AN AUTO-OFF CONFIGURATION.

AUTO:

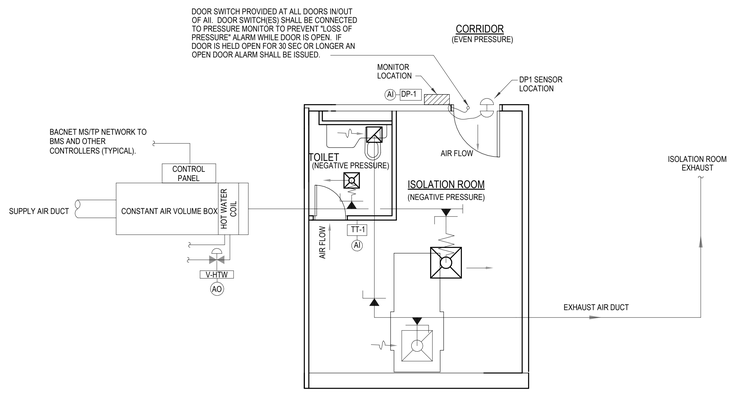
UPON A FALL IN TEMPERATURE AT THE UNIT MOUNTED THERMOSTAT BELOW SPACE TEMPERATURE SETPOINT FAN STARTS AND RUNS AND ELECTRIC HEATING IS STAGED ON. WHEN SPACE TEMPERATURE RISES TO SETPOINT FAN STOPS AND ELECTRIC HEATING COIL IS STAGED OFF. FOR UNITS WITH FACTORY FAN DELAYED-OFF FEATURE THE FAN SHALL RUN UNTIL RESIDUAL HEAT IS REMOVED FROM THE HEATING COIL.

OFF:
FAN STOPS. HEATING COIL IS DISABLED.

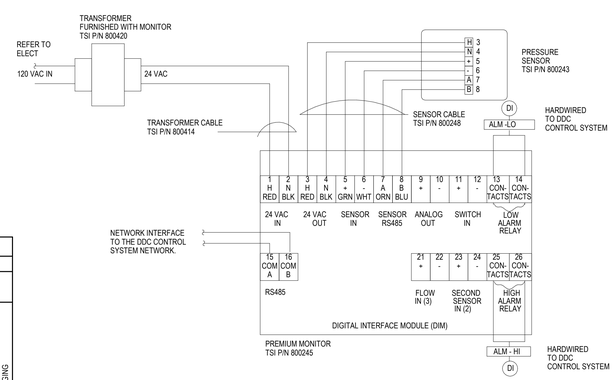
SPACE TEMPERATURE SENSOR. CONNECT TO DDC SYSTEM.

DDC INPUT/OUTPUT POINTS LIST

| | | | | HARDWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SOFTWARE | | | | | | | | | | | | | | | | | | |

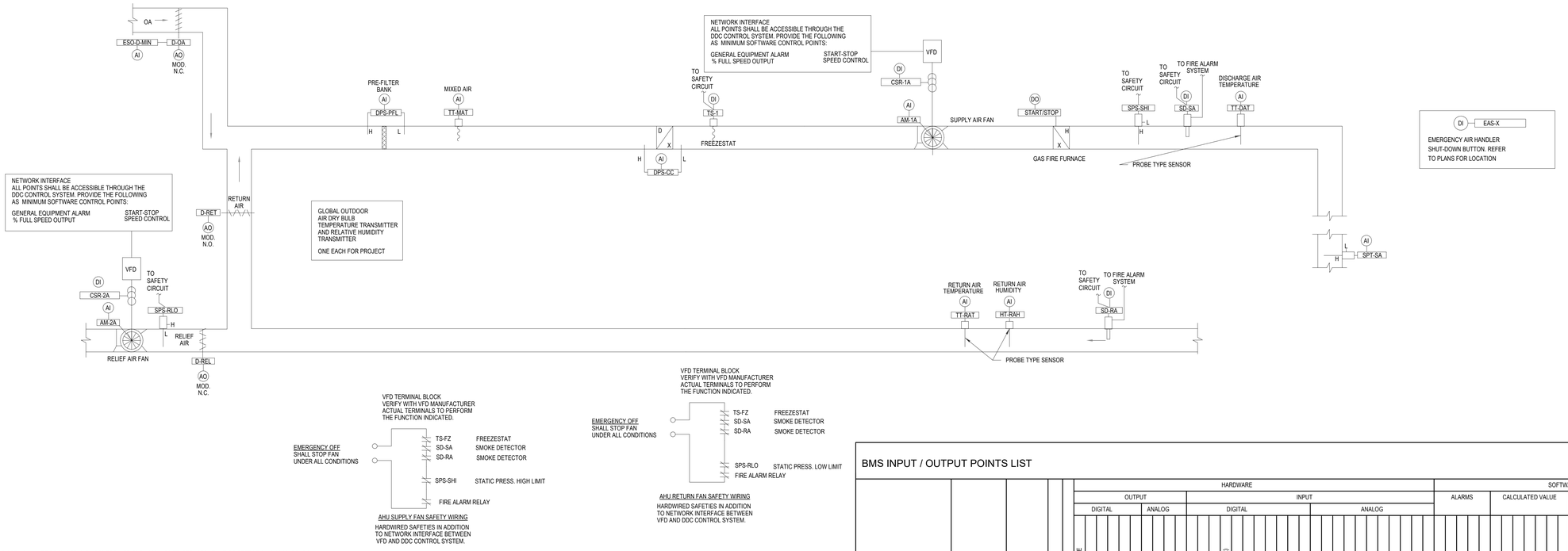


ISOLATION WITHOUT ANTE ROOM



BMS INPUT / OUTPUT POINTS LIST

| ISOLATION ROOM | | | | | HARDWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SOFTWARE | | | | | | | | | | | | | | | | | | |



DX RTU SHALL BE PROVIDED WITH CONTROLLER FROM MANUFACTURER. SEQUENCE OF OPERATION SHOWN BELOW:

SUPPLY AIR AND RELIEF AIR FAN
SUPPLY AIR AND RELIEF AIR FANS SHALL BE ENERGIZED/DE-ENERGIZED FROM THE VFD IN HAND POSITION OR THE DDC SYSTEM IN AUTO. THE DDC CONTROL SYSTEM SHALL SENSE WHEN THE FAN IS IN HAND POSITION BY THE FAN STATUS VERIFICATION AND INITIATE THE AHU CONTROL.

FANS SHALL SHUT DOWN FROM A SIGNAL FROM; THE FIRE ALARM PANEL THRU THE F/A RELAY; THE SUPPLY AIR SMOKE DETECTOR (SD-1); THE RETURN AIR SMOKE DETECTOR (SD-2); THE HIGH/LOW LIMIT STATIC PRESSURE SWITCHES (SPS-1, & 2).

THE DDC SYSTEM SHALL ALARM IF EITHER THE SUPPLY AND/OR RELIEF FANS FAIL TO START WHEN SENSED BY THE VFD RUN STATUS CONTACTS.

WHEN THE SUPPLY FAN SHUTS DOWN, THE FOLLOWING SHALL OCCUR: THE OUTSIDE AIR DAMPER (D-OA) SHALL CLOSE; THE RETURN DAMPER (D-RET) SHALL OPEN; THE REFRIGERANT COMPRESSOR SHALL STOP AND THE RELIEF FAN SHALL SHUTDOWN.

SUPPLY FAN CONTROL
THE SUPPLY FAN VARIABLE FREQUENCY DRIVE (VFD) SHALL BE CONTROLLED BY A DUCT MOUNTED DIFFERENTIAL STATIC PRESSURE TRANSMITTER (SPT-SA) MODULATING THE VFD TO MAINTAIN A SUPPLY DUCT STATIC PRESSURE SETPOINT (AT THE LOWEST TO BE VERIFIED BY THE TAB CONTRACTOR). FOR MULTIPLE STATIC PRESSURE TRANSMITTERS, THE DDC SYSTEM SHALL PROVIDE A SEPARATE SET POINT FOR EACH STATIC PRESSURE TRANSMITTER, AND SELECT THE STATIC PRESSURE TRANSMITTER THAT IS FARTHEST BELOW ITS SET POINT TO CONTROL THE SPEED OF THE VFD. THE VFD SHALL OUTPUT THE % FULL SPEED TO THE DDC SYSTEM BY THE NETWORK INTERFACE.

ON A FALL IN DIFFERENTIAL PRESSURE SENSED BY SPT-SA, SPT-SA SHALL, THROUGH THE DDC SYSTEM, SPEED UP THE SUPPLY FAN VFD TO MAINTAIN SPT-SA SETPOINT. ON A RISE IN DIFFERENTIAL PRESSURE SENSED BY SPT-SA, SPT-SA SHALL, THROUGH THE DDC SYSTEM, SLOW DOWN THE SUPPLY FAN VFD TO MAINTAIN SPT-SA SETPOINT. SPT-SA SHALL ALARM THE DDC SYSTEM IF ITS MEASURED PRESSURE IS EITHER TOO HIGH OR TOO LOW.

SPS-SHI SHALL SHUTDOWN THE FANS WHENEVER IT SENSES A HIGH STATIC PRESSURE, ALARM THE DDC SYSTEM AND REQUIRE A LOCAL MANUAL RESET TO RESTART THE FAN. SPS-RLO SHALL SHUTDOWN THE FANS WHENEVER IT SENSES A LOW STATIC PRESSURE AND ALARM THE DDC SYSTEM AND REQUIRE A LOCAL MANUAL RESET TO RESTART THE FAN

SPACE PRESSURE CONTROL
THE RELIEF AIR FAN VFD SHALL BE CONTROLLED FROM A SPACE PRESSURE TRANSMITTER. THE SPEED OF THE FAN SHALL BE MODULATED TO MAINTAIN A SPACE PRESSURE OF 0.005 IN. W.C (ADJUSTABLE).

DX COOLING
THE DX COOLING (COMPRESSOR) SHALL BE STAGED ON AND OFF TO MAINTAIN A DISCHARGE AIR TEMPERATURE SETPOINT (56.0 DEGREES F, ADJUSTABLE). THE COMPRESSOR SHALL ONLY START AFTER IT HAS PROOF OF THE SUPPLY AIR FAN BEING ENERGIZED. THE FACTORY RTU CONTROLLER SHALL SEQUENCE COMPRESSORS AND CONDENSER FANS AS REQUIRED TO MAINTAIN THE DISCHARGE TEMPERATURE SETPOINT. THE BAS SHALL MONITOR ALL AVAILABLE POINTS ON THE FACTORY CONTROLLER.

NATURAL GAS HEATING
THE NATURAL GAS FURNACE SHALL BE MODULATED TO MAINTAIN A DISCHARGE AIR TEMPERATURE SETPOINT (56.0 DEGREES, ADJUSTABLE). THE FURNACE SHALL ONLY START AFTER IT HAS PROOF OF THE SUPPLY AIR FAN BEING ENERGIZED.

MINIMUM OUTSIDE AIR CONTROL
THE OUTSIDE AIR DAMPER (D-OA) SHALL HAVE A MINIMUM OUTDOOR AIR CFM AS LISTED IN SCHEDULE.

ECONOMIZER CONTROL
THE OUTSIDE AIR DAMPER (D-OA) AND RETURN AIR DAMPER (D-RET) SHALL BE CONTROLLED FROM A DRY BULB TYPE ECONOMIZER CONTROL. WHEN THE OUTSIDE AIR TEMPERATURE, AS SENSED BY THE GLOBAL TEMPERATURE TRANSMITTER, IS LESS THAN THE SUPPLY AIR SETPOINT. THE DDC SYSTEM CONTROL SHALL SWITCH TO ECONOMIZER MODE AND MODULATE FULLY OPEN THE OUTSIDE AIR DAMPER (D-OA) AND MODULATE FULLY CLOSED THE RETURN AIR DAMPER (D-RET). THE OUTSIDE AND RETURN AIR DAMPER SHALL BE CONTROLLED BY DISCHARGE AIR TEMPERATURE AS SENSED BY TT-DAT AND SHALL HAVE SETPOINT OF THE SUPPLY AIR SETPOINT MINUS 2 DEGREES F. (TT-DAT -2 DEGREES).

ON A RISE IN DISCHARGE AIR TEMPERATURE ABOVE TT-DAT SETPOINT, TT-DAT SHALL, THROUGH THE DDC SYSTEM, MODULATE OPEN THE OUTSIDE AIR DAMPER (D-OA) AND MODULATE CLOSE THE RETURN AIR DAMPER (D-RET) TO MAINTAIN TT-DAT SETPOINT.

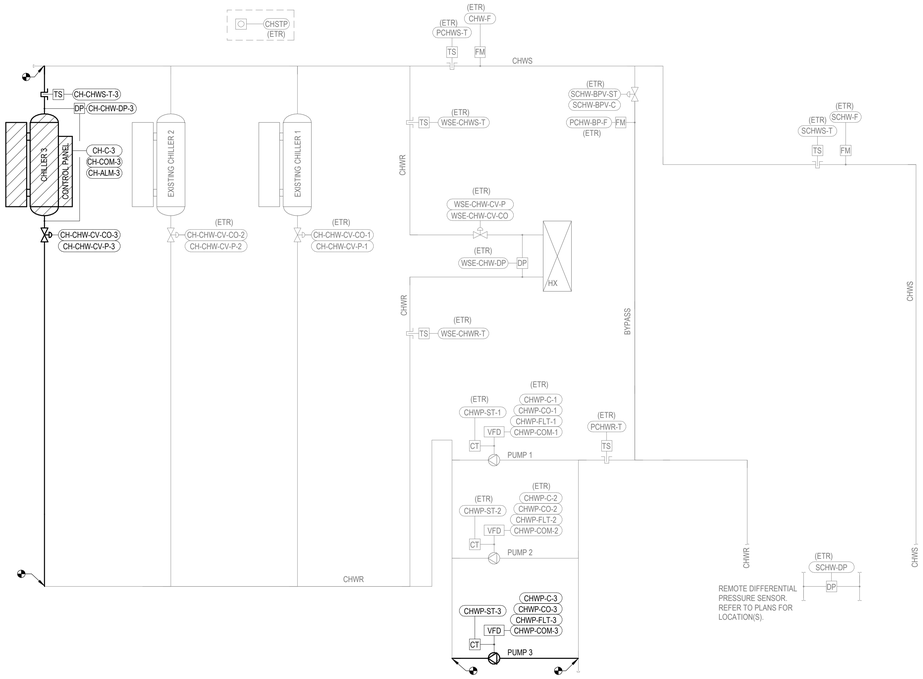
FILTERS DPS-1 SHALL ALARM THE DDC SYSTEM WHENEVER THE PRESSURE DROP ACROSS THE FILTER IS EXCESSIVE (DIRTY FILTER) (ADJ.).

FIRE ALARM SHUT DOWN
WHENEVER THE FIRE ALARM SYSTEM SENSE SMOKE/FIRE, THE FIRE ALARM SYSTEM SHALL SIGNAL THE DDC SYSTEM AND DDC SYSTEM SHALL DE-ENERGIZE THE AHU SYSTEM AND PERFORM THE FOLLOWING: SHUTDOWN THE SUPPLY AIR FAN; SHUTDOWN THE RELIEF AIR FAN; DE-ENERGIZE THE DX COOLING SYSTEM; CLOSE THE OUTSIDE AIR DAMPER (D-OA); OPEN THE RETURN AIR DAMPER (D-RET).

WHENEVER EITHER THE SUPPLY AIR SMOKE DETECTOR OR THE RETURN AIR SMOKE DETECTOR SENSE SMOKE, THE DETECTORS SHALL SIGNAL THE FIRE ALARM SYSTEM AND DIRECT SHUTDOWN THE AHU AS DESCRIBED IN THE ABOVE PARAGRAPH.

BMS INPUT / OUTPUT POINTS LIST

| POINT DESCRIPTION | DESIGNATION | NOTES | QUANTITY | GRAPHIC DISPLAY | HARDWARE: OUTPUT: DIGITAL: DAMPER OPEN / CLOSE | VALVE OPEN / CLOSE | START / STOP | FORCE ON | FORCE OFF | ENABLE / DISABLE | DAMPER CONTROL | VALVE CONTROL | CONTROL | FIXED PRESET | HARDWARE: OUTPUT: ANALOG | HARDWARE: INPUT: DIGITAL: END SWITCH | RELAY CONTACTS | HAND SWITCH | CURRENT RELAY (CSR) | PRESSURE SWITCH | DIFFERENTIAL PRESS | FLOW SWITCH | AUX CONTACTS | STATUS | ALARM | FAULT RESET | HARDWARE: INPUT: ANALOG: PRESSURE | DIFFERENTIAL PRESS | FLOW METER | KW | HERTZ REFERENCE | TEMPERATURE (DB) | RELATIVE HUMIDITY | DEW POINT | MEASURE | SPEED / POSITION | PULSE | SOFTWARE: ALARMS: STATUS FAILURE | HIGH/LIMIT | LOW LIMIT | SMOKE | MAINTENANCE | SOFTWARE: CALCULATED VALUE: KW | BTUH | CFM | GPM | RUN TIME HRS | INTEGRATOR | GALLONS / TON | SOFTWARE: PROGRAMS: AUTO RESTART | CHILLER OPTIMIZATION | COND WATER RESET | DEMAND LIMITING | EVENT PROGRAMS | FAIL MODE (CLOSED) | FAIL MODE (OPEN) | LIGHTING CONTROL | RUN TIME TOTALIZATION | SCHEDULED START / STOP | LEAD / LAG | SUPPLY AIR RESET | TREND LOGGING |
|---|---|---



1 CHILLED WATER PLANT CONTROL DIAGRAM
NOT TO SCALE

CONTROLS CONTRACTOR SCOPE OF WORK
POINT LIST PROVIDED FOR REFERENCE. CONTROLS CONTRACTOR TO PROVIDE ALL REQUIRED POINTS, SENSORS, CONTROLLERS, AND ASSOCIATED EQUIPMENT TO SAFETY THE INTENT OF THE LISTED SEQUENCE.

CONTROLS CONTRACTOR ALSO TO PROVIDE WAGES PANEL AND COORDINATE LOCATION WITH FACILITY'S EXISTING BAS WORKSTATION.

REFRIGERANT PURGE SEQUENCE

THE NEW CHILLER-3 SHALL BE TIED INTO THE EXISTING REFRIGERANT PURGE SEQUENCE. ALL CHILLERS AND CHILLED WATER PUMPS SHALL SHUT OFF UPON DETECTION OF REFRIGERANT.

SEQUENCE OF OPERATIONS
CENTRAL CHILLED WATER PLANT

THIS SEQUENCE OF OPERATIONS IS ORGANIZED INTO THE FOLLOWING MAIN CATEGORIES: OPERATING MODES, CONTROL SETPOINT RESETS, SAFETIES, OVERRIDES AND INTERLOCKS, AND COMPONENT CONTROL LOOPS. THE OPERATING MODES DESCRIBE THE CRITERIA THAT EITHER ENABLE OR DISABLE THE VARIOUS MODES OF OPERATION. IF A MODE OF OPERATION IS NOT LISTED WITHIN A COMPONENT CONTROL LOOP SECTION THEN THAT MODE OF OPERATION HAS NO DIRECT INFLUENCE ON THE OPERATION OF THE COMPONENT. THE CONTROL SETPOINT RESET SECTION DESCRIBES THE LOGIC AND REFERENCE VARIABLES THAT WILL BE USED TO RESET CONTROL SETPOINTS TO A NEW VALUE WITHIN ITS RESET RANGE. THE SAFETIES, OVERRIDES, AND INTERLOCKS SECTION OUTLINES THE HARDWIRED INTERLOCKS THAT WILL BE REQUIRED TO MEET LIFE SAFETY REQUIREMENTS. SAFETIES AND INTERLOCKS TAKE PRECEDENCE OVER ALL OTHER CONTROL STRATEGIES OUTLINED IN THIS DOCUMENT. THE CONTROL RESPONSES OF EACH COMPONENT FOR THE VARIOUS MODES OF OPERATION ARE DESCRIBED IN THE COMPONENT CONTROL LOOP SECTIONS.

THE SEQUENCE OF OPERATIONS, THE POINTS LIST AND CONTROL DIAGRAMS SHALL BE USED TO PROVIDE A COMPLETE DESCRIPTION OF THE CONTROL PHILOSOPHY FOR THE CONTROLLED EQUIPMENT. INDIVIDUAL SETPOINT VALUES, RESET RANGES, AND ALARM ACTION LEVELS ARE LISTED IN THE POINTS LIST. COMPONENTS AND CONTROL SENSOR LOCATIONS ARE GRAPHICALLY DEPICTED ON THE CONTROL DIAGRAM. THE CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY NECESSARY TIME DELAY SETPOINTS TO ESTABLISH STABLE SYSTEM OPERATION.

GENERAL DESCRIPTION
THE CHILLED WATER PLANT DESCRIBED BY THIS SEQUENCE OF OPERATIONS CONSIST(S) OF 3 VARIABLE PRIMARY PUMPS, 3 WATER-COOLED CHILLERS PIPED IN A PARALLEL ARRANGEMENT, A WATER SIDE ECONOMIZER, AND 3 OPEN COOLING TOWERS WITH VARIABLE SPEED CONDENSER PUMPS OPERATED AT CONSTANT FLOW TO PROVIDE CHILLED WATER TO THE FACILITY. THE CHILLERS ARE VARIABLE SPEED.

BAS CONTROL REQUIREMENTS
THE BUILDING AUTOMATION SYSTEM (BAS) SHALL PROVIDE A REMOTE ENABLE SIGNAL; REMOTE SETPOINT ADJUSTMENTS; AND VISIBILITY OF THE LOCAL FACTORY CHILLER CONTROL OPERATION AT THE OPERATOR'S WORKSTATION AS DEFINED IN THE CHILLED WATER PLANT POINTS LIST. THE COMMUNICATION PROTOCOL SHALL BE COORDINATED WITH THE PROVIDED CHILLER. REFERENCE THE POINTS LIST AND CONTROL LOOPS SECTION OF THIS SEQUENCE FOR SCOPE OF WORK COORDINATION BETWEEN THE CONTRACTOR AND EQUIPMENT MANUFACTURER FOR VALVES, SENSORS, AND EQUIPMENT.

FACTORY CHILLER CONTROL REQUIREMENTS
THE FACTORY CHILLER CONTROL PANEL SHALL BE RESPONSIBLE FOR CONTROLLING THE CHILLER SUBJECT TO THE ASSOCIATED EQUIPMENT RELATED SAFETIES AND INTERLOCKS TO MAINTAIN THE CHILLER LEAVING WATER TEMPERATURE SETPOINT. THE CHILLER CONTROL PANEL SHALL CONTROL THE ASSOCIATED CHILLED WATER AND CONDENSER WATER ISOLATION VALVES (ChrChwIsoVlv, ChrCwIsoVlv). REFERENCE THE CENTRAL CONDENSER WATER PLANT CONTROL DRAWING FOR DEFINITION OF THE CONDENSER WATER POINTS.

CHILLED WATER PLANT OPTIMIZATION
THE BUILDING AUTOMATION SYSTEM (BAS) SHALL OPTIMIZE THE PERFORMANCE OF THE CHILLED WATER PLANT TO MEET THE BUILDING LOAD WHILE MINIMIZING THE TOTAL PLANT ENERGY USE. THE CONTROL SYSTEM SHALL USE THE MANUFACTURER-PROVIDED PERFORMANCE CURVES SPECIFIC TO THE INSTALLED COOLING TOWERS, PUMPS, AND CHILLERS TO DETERMINE THE OPTIMAL ARRANGEMENT IN WHICH TO RUN. VARIABLE INPUTS TO THE OPTIMIZATION ALGORITHM SHALL INCLUDE OUTDOOR WET BULB TEMPERATURE AND BUILDING CHILLED WATER LOAD AS MEASURED BY BTU METER INSTALLED ON THE SYSTEM.

OPERATING MODES
CHILLED WATER PLANT DISABLED MODE:
THE CHILLED WATER PLANT SHALL BE IN DISABLED MODE WHEN
THERE IS NO CALL FROM THE ENABLE MODES AS DEFINED BELOW;
OR- WHEN THE OPERATOR HAS MANUALLY DISABLED THE CHILLED WATER PLANT AT THE OPERATOR'S WORKSTATION.
CHILLED WATER PLANT ENABLED MODE:
THE CHILLED WATER PLANT SHALL BE ENABLED WHEN ANY OF THE FOLLOWING ENABLE METHODS IS EMPLOYED AND THE CONDITIONS ARE SATISFIED. THE AUTOMATIC ENABLE MODE SHALL BE THE BASIS OF DESIGN ENABLE MODE.
AUTOMATIC ENABLE MODE: THE CHILLED WATER PLANT SHALL BE ENABLED MODE WHEN THERE IS A CALL FOR CHILLED WATER AMONG ACTIVE COOLING COIL VALVES. BAS SHALL BE CAPABLE OF EXCLUDING VALVES FROM THE ANALYSIS SUBJECT TO A FEEDBACK SIGNAL FROM THE VALVE.
A CALL FOR COOLING IS GENERATED BY THE BAS WHEN ANY ONE ACTIVE COOLING COIL VALVE IS AT LEAST 15% OPEN FOR GREATER THAN 10 MINUTES;
OR- ANY ONE COOLING COIL VALVE IS AT LEAST 80% OPEN FOR 10 MINUTES.
MANUAL ENABLE MODE OPTION: THE CHILLED WATER PLANT IS IN MANUAL ENABLE MODE WHEN THE OPERATOR MANUALLY PLACES THE PLANT IN ENABLE MODE AT THE OPERATOR WORK STATION.
SCHEDULED START MODE OPTION: IN THE MANUAL START MODE, THE SYSTEM SHALL BE MANUALLY ENABLED BY THE BUILDING OPERATOR OR BY TIME OF DAY SCHEDULE.
CHILLER HEAD PRESSURE CONTROL MODE:
THE CHILLER PLANT SHALL BE IN CHILLER HEAD PRESSURE CONTROL MODE AS DEFINED UNDER THE CENTRAL CONDENSER WATER PLANT SEQUENCE.
AHU FREEZE PROTECTION MODE:
THE CHILLER PLANT SHALL BE IN FREEZE PROTECTION MODE UPON A SIGNAL THAT ANY ASSOCIATED AIR HANDLING UNIT IS IN A FREEZE PROTECTION MODE WHILE THE CHILLED WATER PLANT IS IN THE DISABLED MODE.
LOSS OF POWER RESTART DELAY MODE:
THE PLANT SHALL BE IN LOSS OF POWER MODE UPON RESTORATION OF POWER AFTER AN UNEXPECTED LOSS OF POWER. THE PLANT SHALL REMAIN IN THIS MODE FOR THE DURATION AS DEFINED BY THE PLANT START DELAY (PlrLssPSDly) SETPOINT. ONCE THE PLANT START DELAY DURATION HAS ELAPSED, THE PLANT SHALL RETURN TO ITS PREVIOUS MODE PRIOR TO LOSS OF POWER.
CHILLER FAILURE MODE:
A CHILLER SHALL BE IN FAILURE MODE WHEN:
THE ENABLE SIGNAL IS SET TO ON;
AND- THE LEAVING CHILLED WATER SUPPLY TEMPERATURE AS MEASURED BY (ChlrChwSTmp) IS GREATER THAN 5 F (ADJ.) ABOVE SETPOINT FOR GREATER THAN 20 MINUTES (ADJ.);
OR- THE CHILLER POWER INPUT IS EQUAL TO 0-KW FOR GREATER THAN 20 MINUTES (ADJ.);
CHILLER MANUAL START MODE:
THE DISPLAY AT THE OPERATOR WORKSTATION SHALL INDICATE MANUAL START MODE WHEN:
A CHILLER IS STARTED MANUALLY AT THE LOCAL CHILLER CONTROL PANEL IN LIEU OF THROUGH THE BAS SUBJECT TO THE CHILLER STATUS SIGNAL (ChlrSts);
OR- THE ENABLE SIGNAL IS SET TO OFF AND THE TEMPERATURE DELTA ACROSS THE CHILLER IS > 3 F (ADJ.);
PUMP FAILURE MODE:
A PUMP SHALL BE IN FAILURE MODE WHEN:
THE PUMP IS GIVEN A START SIGNAL;
AND- THE PUMP STATUS INDICATES IT IS OFF

CONTROL SETPOINT RESETS
CHILLED WATER PLANT TEMPERATURE RESET:
THE PRIMARY CHILLED WATER SUPPLY TEMPERATURE (PriChwSTmp) SHALL BE RESET WITHIN THE TEMPERATURE RANGE LIMITS SCHEDULED ON THE POINTS LIST USING TRIM AND RESPOND LOGIC. THE TRIM AND RESPOND FUNCTION SHALL RESET THE SETPOINT INCREMENTALLY UPWARD TO MAINTAIN ONE CONTROL VALVE SERVING AN AIR HANDLING UNIT GREATER THAN 90% OPEN. BAS SHALL BE CAPABLE OF EXCLUDING ZONE VALVES FROM THE TEMPERATURE RESET ANALYSIS SUBJECT TO A FEEDBACK SIGNAL ENABLE/DISABLE SWITCH.
TRIM AND RESPOND LOGIC:
WHEN PUMP IS OFF, RESET SETPOINT TO THE DEFAULT VALUE.
WHILE PUMP IS PROVEN ON:
THE BAS SHALL MONITOR THE POSITION OF THE CHILLED WATER VALVES THROUGHOUT THE SYSTEM TO DETERMINE WHICH IS IN THE WIDEST OPEN POSITION. THIS SHALL BE DESIGNATED AS THE CRITICAL ZONE (Cz) VALVE. THE BAS SHALL RESET THE CHILLED WATER TEMPERATURE BY INCREASING THE CHILLED WATER TEMPERATURE SETPOINT UP 0.5 DEG. F EVERY 15 MINUTES (ADJ.) AND RECHECKING THE Cz VALVE POSITION.
THIS PROCESS IS TO BE REPEATED CONTINUALLY UNTIL THE MAXIMUM CHILLED WATER TEMPERATURE OF 48 F (ADJ.) IS REACHED OR THE AHU CHILLED WATER CONTROL VALVE POSITION IS GREATER THAN 85% (ADJ.) OPEN FOR 10 MIN. (ADJ.)

ANY CHILLED WATER VALVE MAY BE ADDED TO AN EXCEPTION LIST TO BE IGNORED BY THE BAS AS A POTENTIAL CRITICAL ZONE.

THE BAS SHALL ALSO MONITOR RETURN AIR HUMIDITY IN ALL THE AIR HANDLERS. IN THE EVENT ANY AHU MEASURES HUMIDITY HIGHER THAN 56% FOR GREATER THAN 10 MIN. (ADJ.), THE BAS SHALL HALT THE RESET AND THE CHILLED WATER TEMP WILL NOT BE ALLOWED TO GO HIGHER UNTIL THE RETURN AIR HUMIDITY DROPS BELOW 54% FOR 10 MINUTES (ADJ.)

ONCE THE AHU CHILLED WATER CONTROL VALVE IS OPEN TO GREATER THAN 95% (ADJ.) FOR LONGER THAN 10 MIN. (ADJ.) THE RESET SCHEME SHALL OPERATE IN REVERSE, WITH THE BAS TURNING DOWN THE CHILLED WATER TEMPERATURE SETPOINT BY 0.5 DEG. EVERY 15 MINUTES UNTIL THE Cz VALVE IS AT OR BELOW 95% OPEN.

WATER SIDE ECONOMIZER SEQUENCE OF OPERATION

STARTING THE ECONOMIZER SEQUENCE
WHEN THE OUTSIDE AIRE WET BULB TEMPERATURE IS BELOW THE WATER SIDE ECONOMIZER ENABLE TEMP (38 F, ADJ), THE DDC SYSTEM SHALL:
-OPEN THE HEAT EXCHANGER CHILLED AND CONDENSER WATER ISOLATION VALVE
-DISABLE THE LEAD CHILLER AND CLOSE ITS ASSOCIATED ISOLATION VALVES.
-RESET THE CONDENSER WATER SUPPLY TEMPERATURE SETPOINT TO AN ADJUSTABLE WATER SIDE ECONOMIZER CONDENSER WATER TEMPERATURE SETPOINT (41 F, ADJ).

IF THE COMMON CONDENSER WATER SUPPLY TEMPERATURE FALLS BELOW AN ADJUSTABLE ECONOMIZER BYPASS SETPOINT (40 F) THE CONDENSER WATER BYPASS VALVE OF THE LEAD TOWER SHALL MODULATE OPEN TO MAINTAIN THE CONDENSER WATER TEMPERATURE AT THE ECONOMIZER BYPASS VALVE TEMPERATURE SETPOINT.
THE CHILLED WATER PUMPS SHALL CONTINUE TO MAINTAIN THE CHILLED WATER DIFFERENTIAL PRESSURE SETPOINT AS SENSED BY THE CHILLED WATER DIFFERENTIAL PRESSURE TRANSMITTER.

STOPPING THE ECONOMIZER SEQUENCE
IF THE CHILLED WATER SUPPLY TEMPERATURE RISES ABOVE AN ADJUSTABLE ECONOMIZER DISABLE SETPOINT (48 F), THE SYSTEM SHALL PERFORM THE FOLLOWING:
-OPEN THE CONDENSER WATER BYPASS VALVE OF THE LEAD TOWER FULLY AND DISABLE THE COOLING TOWER FAN UNTIL THE CONDENSER WATER TEMPERATURE RISES ABOVE THE MANUFACTURER'S RECOMMENDED MINIMUM TEMPERATURE.
-START THE LEAD CHILLER PER THE CHILLER LOAD STAGING SEQUENCE.
-ONCE THE LEAD CHILLER STATUS HAS BEEN VERIFIED, THE CHILLED WATER AND CONDENSER WATER ISOLATION VALVES OF THE HEAT EXCHANGER SHALL CLOSE.

SAFETIES, OVERRIDES AND INTERLOCKS
EMERGENCY STOP SWITCH (ChlrEmStp):
THE EMERGENCY STOP SWITCH SHALL SHUTDOWN THE CHILLERS THROUGH THE CHILLER STARTER CIRCUIT AND SHALL REQUIRE A MANUAL RESTART. THE BAS SHALL SHUT DOWN THE COOLING TOWERS, PRIMARY CHILLED WATER PUMPS, AND CONDENSER WATER PUMPS.
REFRIGERANT MONITORING SYSTEM INTERLOCK (RLS):
THE CHILLERS SHALL SHUT DOWN UPON A HIGH REFRIGERANT ALARM GENERATED FROM THE REFRIGERANT MONITORING SYSTEM AND SHALL REQUIRE A MANUAL RESTART. REFERENCE REFRIGERANT MONITORING SYSTEM CONTROLS FOR RELATED INFORMATION.
CHILLER PROOF OF FLOW INTERLOCK:
CHILLER(S) SHALL START UPON PROOF OF FLOW SUBJECT TO A FLOW SWITCH WIRED TO THE LOCAL CHILLER CONTROL PANEL. THE BAS CONTRACTOR SHALL PROVIDE THE FLOW SWITCH.
CHILLER ISOLATION VALVE INTERLOCK:
INTERLOCK THE CHILLED WATER ISOLATION VALVE(S) (ChlrChwIsoVlv) TO OPEN WHEN REQUIRED BY THE CHILLER LOAD STAGING SEQUENCE TO ENABLE FLOW THROUGH THE CHILLER(S).INTERLOCK SHALL APPLY WHEN THE CHILLER IS UNDER AUTOMATIC OR MANUAL CONTROL.
SMOKE CONTROL FIRE ALARM INTERLOCK:
CHILLER(S) SHALL SHUT DOWN WHEN A SIGNAL IS RECEIVED BY THE BAS FROM THE FIRE ALARM CONTROL PANEL. ALL EQUIPMENT AND ACCESSORIES SHALL BE IN DISABLED MODE.

CHILLER LOAD STAGING SEQUENCE:
THE CHILLERS SHALL BE STAGED ON/OF ACCORDING TO THE FOLLOWING SCHEDULES.
NORMAL OPERATION
1. CHILLER (CH-3) SHALL BE LEAD AND SHALL INITIATE ON FIRST AND OPERATE UP TO 90% OF CHILLER FULL LOAD AMPS, OR UNTIL THE LEAD CHILLER IS UNABLE TO MAINTAIN THE CHILLED WATER TEMPERATURE SETPOINT FOR 5 MIN (ADJ.) OR THE DIFFERENTIAL PRESSURE ACROSS THE EVAPORATOR COIL OF THE CHILLER IS MAX DP ALLOWABLE - CONSTANT (ADJ.).
2. CHILLER (CH-1) SHALL BE THE FIRST LAG AND STAGE ON AND BOTH CHILLERS SHALL OPERATE UP UNTIL THE AVERAGE OF BOTH CHILLER'S FLA IS 90%, OR UNTIL BOTH CHILLERS ARE UNABLE TO MAINTAIN THE CHILLED WATER TEMPERATURE SETPOINT FOR 5 MIN (ADJ.)
3. CHILLER (CH-2) SHALL BE THE SECOND LAG AND SHALL STAGE ON AND ALL THREE CHILLERS SHALL OPERATE.
4. CHILLERS SHALL STAGE DOWN IN REVERSE ORDER AS FOLLOWS: WHEN THE AVERAGE FLA OF THREE CHILLERS IS BELOW 60%, AND WHEN THE AVERAGE FLA OF TWO CHILLERS IS BELOW 50%.
5. CHILLERS (CH-1 & CH-2) SHALL ALTERNATE BEING FIRST LAG CHILLER TO ENSURE EQUAL RUN TIME.

CHILLER CHILLED WATER ISOLATION VALVE (ChlrChwIsoVlv)
THE CHILLER CHILLED WATER ISOLATION VALVE SHALL BE FURNISHED BY THE BAS CONTRACTOR, INSTALLED BY THE MECHANICAL CONTRACTOR, AND CONTROLLED BY THE CHILLER MANUFACTURER CONTROL PANEL.
WHEN IN CHILLED WATER PLANT DISABLED MODE:
THE VALVE SHALL BE CLOSED.
WHEN IN CHILLED WATER PLANT ENABLED MODE:
THE VALVE SHALL BE OPEN WHEN THE CHILLER IS ENABLED ACCORDING TO THE CHILLER LOAD STAGING SEQUENCE.
THE VALVE SHALL OPEN SLOWLY OVER 10 MINUTES (ADJ.) TO MINIMIZE SUDDEN FLOW OR TEMPERATURE CHANGES THROUGH THE CHILLER EVAPORATOR.
WHEN ONE CHILLER IS RUNNING THE VALVE SHALL BE 100% OPEN. WHEN TWO OR MORE CHILLERS ARE RUNNING THE VALVE SHALL MODULATE TO MAINTAIN SCHEDULED DIFFERENTIAL PRESSURE ACROSS EACH CHILLER EVAPORATOR AS MEASURED BY ChlrEvapDP.

WHEN IN CHILLER FAILURE MODE:
THE VALVE SHALL CLOSE AND BE LOCKED OUT OF THE LEAD/LAG SEQUENCING UNTIL THE FAILURE ALARM IS CLEARED. WHEN THE FAILURE ALARM IS CLEARED THE VALVE SHALL OPERATE AS IN CHILLED WATER PLANT ENABLED MODE.

VARIABLE PRIMARY PUMP CONTROL

CHILLED WATER PUMP SPEED CONTROL

THE LEAD CHILLED WATER PUMP SHALL BE STARTED WHEN ANY CHILLER IS STARTED. THE SPEED OF THE LEAD CHILLED WATER PUMP SHALL BE MODULATED TO MAINTAIN THE SYSTEM CHILLED WATER SYSTEM DIFFERENTIAL PRESSURE AS SENSED BY THE DIFFERENTIAL PRESSURE SENSOR (DPT-CHW WT)(EXISTING) TO AN ADJUSTABLE SETPOINT. THE SETPOINT SHALL HAVE ADJUSTABLE HIGH AND LOW LIMITS SO THAT THE SETPOINT CANNOT BE ADJUSTED ABOVE OR BELOW RESPECTIVELY.

THE NEW CHWP-3 PUMP SHALL BE ADDED TO THE PUMP CONTROL SEQUENCE. CHWP-3 SHALL HAVE THE SAME POINTS AS THE EXISTING PUMPS AND SHALL ALSO BE ADDED TO THE LEAD/LAG SEQUENCE AND SHALL OPERATE TO MAINTAIN THE BUILDING DP IN SYNC WITH OTHER PUMPS.

ADDING LAG CHILLED WATER PUMP
THE LAG CHILLED WATER PUMP SHALL BE STARTED WHEN ALL OF THE FOLLOWING ARE TRUE:
- THE OPERATING CHILLED WATER PUMP(OR PUMPS) HAS OPERATED ABOVE 90% OF ITS FULL SPEED (ADJUSTABLE) FOR AN ADJUSTABLE PERIOD OF TIME (10 MIN.).
- THE LAG CHILLED WATER PUMP IS NOT DESIGNATED AS OUT OF SERVICE.
STARTING THE LAG CHILLED WATER PUMPS
- START THE LAG CHILLED WATER PUMPS VFD .
- VERIFY THE LAG CHILLED WATER PUMP HAS STARTED AND IS OPERATING AT MINIMUM SPEED AS PROVEN BY THE VFD ⅝ FULL SPEED OUTPUT.
- IF THE VFD FAILS TO VERIFY THE LAG CHILLED WATER PUMP IS OPERATING WITHIN AN ADJUSTABLE PERIOD OF TIME, THE DDC SYSTEM SHALL ISSUE AN ALARM, COMMAND THE LAG CHILLED WATER PUMP OFF, DESIGNATE LAG CHILLED WATER PUMP AS "OUT OF SERVICE". START THE NEXT LAG CHILLED WATER PUMP IN SEQUENCE. THE STARTUP OF ALL CHILLED WATER PUMPS SHALL BE SAME.

ONCE THE LAG CHILLED WATER PUMP HAS STARTED, ALL OPERATING CHILLED WATER PUMPS SHALL BE MODULATED TOGETHER TO MAINTAIN THE CHILLED WATER BUILDING CHILLED WATER DIFFERENTIAL PRESSURE SETPOINT AS SENSED BY THE CHILLED WATER DIFFERENTIAL PRESSURE TRANSMITTER (DPT-CHW). CHILLED WATER DIFFERENTIAL PRESSURE TRANSMITTER (DPT-CHW) SHALL BE WIRED TO THE SAME DDC SYSTEM CONTROLLER THAT IS CONTROLLING THE CHILLED WATER PUMPS. THE OPERATION OF THE PUMPS SHALL NOT BE DEPENDENT ON THE CONTROLS NETWORK LEVEL COMMUNICATIONS.
STOPPING THE LAG CHILLED WATER PUMP
THE LAG CHILLED WATER PUMPS SHALL BE STOPPED WHEN ALL OF THE FOLLOWING ARE TRUE:
- THE OPERATING PUMPS ARE RUNNING AT LESS THAN 50% OF THEIR FULL SPEED (ADJUSTABLE) FOR AN ADJUSTABLE PERIOD OF TIME (10 MIN.).

WHEN IN AHU FREEZE PROTECTION MODE:
THE PUMP(S) SHALL OPERATE AS IN CHILLED WATER PLANT ENABLED MODE.
WHEN IN PUMP FAILURE MODE:
WHEN IN PUMP FAILURE MODE THE FAILED PUMP AND ASSOCIATED CHILLER SHALL DE-ENERGIZE AND THE ALTERNATE CHILLER SHALL ENERGIZE ALONG WITH THE ASSOCIATED PUMP AND RUN THROUGH THEIR STARTUP SEQUENCE.

CHILLER FLOW CONTROL
THE FOLLOWING CONTROL STRATEGIES SHALL MAINTAIN EVAPORATOR FLOWS WITHIN THE CHILLER MANUFACTURERS MAXIMUM AND MINIMUM LIMITS ABOVE ALL OTHER CONTROL STRATEGIES.
MAINTAIN GREATER THAN THE MINIMUM CHILLED WATER FLOW. THE DDC SYSTEM SHALL MONITOR THE EVAPORATOR DIFFERENTIAL PRESSURE TRANSMITTER, OF THE LEAD CHILLER. THE DDC SYSTEM SHALL OPEN THE BYPASS VALVE TO MAINTAIN CHILLED WATER FLOW ABOVE THE CHILLER MANUFACTURERS MINIMUM SETPOINT. IF THE BYPASS VALVE IS FULLY OPEN, THE DDC SYSTEM SHALL INCREASE THE CHILLED WATER PUMP(S) SPEED TO MAINTAIN THE CHILLED WATER FLOW ABOVE THE CHILLERS MANUFACTURERS MINIMUM SETPOINT PLUS AN ADJUSTABLE OFFSET. THE BYPASS VALVE SHALL BE FULLY CLOSED WHEN THE EVAPORATOR FLOW IS AT THE MINIMUM PLUS AN ADJUSTABLE OFFSET.

THE DDC SYSTEM SHALL LIMIT THE SPEED OF CHILLED WATER PUMPS TO MAINTAIN CHILLED WATER DIFFERENTIAL PRESSURE BELOW MANUFACTURERS MAXIMUM MINUS AN ADJUSTABLE OFFSET UNTIL LAG CHILLER IS STARTED. THE OFFSET SHALL BE SET BY TEST AND BALANCE CONTRACTOR IN FIELD.

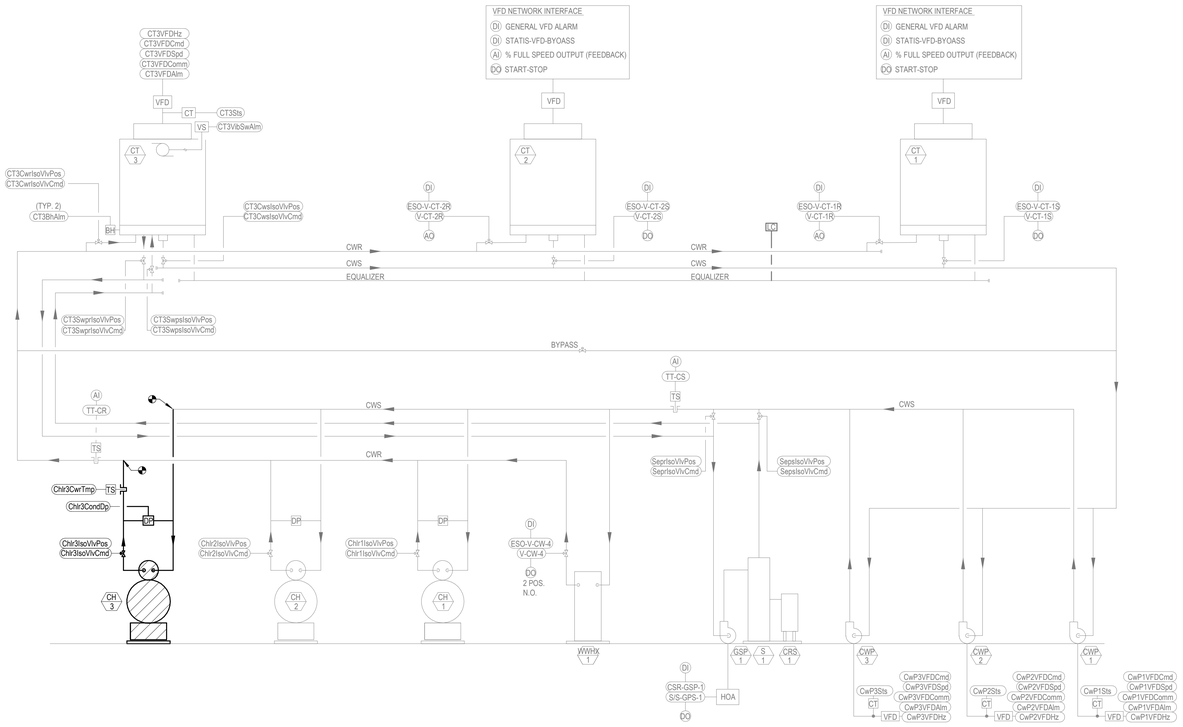
CHILLER CONTROL
THE CHILLER SHALL BE CONTROLLED BY THE CHILLER MANUFACTURER CONTROL PANEL. THE CHILLER SHALL BE SUBJECT TO MANUFACTURER PROGRAMMED SAFETIES, OVERRIDES, AND INTERLOCKS.
WHEN IN CHILLED WATER PLANT DISABLED MODE:
THE CHILLER SHALL BE OFF.

WHEN IN CHILLED WATER PLANT ENABLED MODE:
THE CHILLER(S) SHALL BE ON OR OFF AS DESCRIBED IN THE CHILLER LOAD STAGING SEQUENCE.
IF THE LEAVING CHILLED WATER TEMPERATURE SET POINT IS NOT MET FOR 10 MINUTES (ADJ.), THE BAS SHALL PERFORM THE FOLLOWING SEQUENCE:
1. INITIATE COOLING TOWER CONTROL
2. RAMP THE LEAD CHILLED WATER PUMP SPEED TO THE DESIGN FLOW FOR A SINGLE CHILLER
3. ENABLE THE LEAD CHILLER
4. PROVE THE LEAD CHILLER'S FLOW SWITCHES
5. ATTEMPT TO START THE LEAD CHILLER. CHILLERS SHALL TURN ON SUBJECT TO INITIAL FACTORY START UP SEQUENCES. THE INTERLOCKS ASSOCIATED WITH THE PLANT LOAD STAGE SHALL HAVE PROVEN THE ASSOCIATED EQUIPMENT IS ON IN THE FOLLOWING ORDER:
- THE CHILLED WATER ISOLATION VALVE HAS PROVEN POSITION (ChlrChwIsoVlv);
- THE CONDENSER WATER ISOLATION VALVE HAS PROVEN POSITION SUBJECT TO THE CONDENSER WATER PLANT SEQUENCE. IF IN CHILLER HEAD PRESSURE CONTROL MODE, SKIP THE CONDENSER WATER ISOLATION VALVE OPEN INTERLOCK.
- THE COOLING TOWER BYPASS AND TOWER ISOLATION VALVE HAS PROVEN POSITION SUBJECT TO THE CONDENSER WATER PLANT SEQUENCE;
- THE CONDENSER WATER PUMP IS ON SUBJECT TO THE CONDENSER WATER PLANT SEQUENCE;
- THE CHILLED WATER PUMP IS ON;
- THE COOLING TOWER IS ENABLED SUBJECT TO THE CONDENSER WATER PLANT SEQUENCE;

IF THE LEAD CHILLED WATER PUMP STATUS IS NOT RECEIVED, THE BAS WILL FAIL THAT LEAD PUMP. AND START THE LAG OR NEXT PUMP. IF ANY ISOLATION VALVE AT ANY CHILLER FAILS TO OPEN, THE BAS WILL FAIL THAT CHILLER AND INITIATE THE PROCESS FOR STARTING THE NEXT CHILLER IN SEQUENCE. IF THE LEAD CHILLER FAILS TO START WITHIN 10 MINUTES (ADJ.) FOLLOWING THE BAS COMMAND, THE BAS SHALL ISSUE AN ALARM, DEACTIVATE THE CHILLER, INITIATE THE PROCESS FOR STARTING THE NEXT CHILLER IN SEQUENCE, OPEN THE EVAPORATOR AND CONDENSER VALVES ON THE NEXT CHILLER IN THE LINEUP, AND CLOSE BOTH EVAPORATOR AND CONDENSER ISOLATION VALVES ON THE LEAD CHILLER.

THE LEAD CHILLER SHALL MAINTAIN A CHILLED WATER DISCHARGE TEMPERATURE CORRESPONDING TO THE COMMON CHILLED WATER SYSTEM SUPPLY WATER SET POINT (42°F. ADJ.). THE BAS SHALL BE CAPABLE OF RESETTING THE COMMON CHILLED WATER SYSTEM SUPPLY TEMPERATURE BASED ON THE RESET SCHEME OR BY OPERATOR COMMAND.
SOFT START SEQUENCE: WHEN THE PLANT IS OFF FOR AN EXTENDED TIME PERIOD AND THE CHILLED WATER LOOP TEMPERATURE HAS DRIFTED OUT OF RANGE, A SOFT START SEQUENCE SHALL BE INITIATED TO LIMIT THE QUANTITY OF CHILLERS OPERATING TO COOL THE LOOP BACK TO SETPOINT AND PREVENT SPIKING ELECTRICAL DEMAND.
THE SOFT START SEQUENCE SHALL BE ENABLED WHEN THE PRIMARY CHILLED WATER RETURN TEMPERATURE (PriChwRTmp) IS GREATER THAN THE PRIMARY CHILLED WATER SUPPLY TEMPERATURE SETPOINT (PriChwSTmp) PLUS THE CHILLER SOFT START TEMPERATURE DEAD BAND (ChlrSftStTmpDB), WHEN A CHILLER STARTS, AS LONG AS THE CHILLED WATER RETURN TEMPERATURE IS DECREASING GREATER THAN 0.5 F (ADJ.) PER MINUTE, NO ADDITIONAL CHILLERS SHALL BE ADDED IF THE CHILLED WATER RETURN TEMPERATURE DOES NOT DROP AT THIS RATE, THE NEXT CHILLER PLANT LOAD STAGE SHALL ENERGIZE.
WHEN THE PRIMARY CHILLED WATER RETURN TEMPERATURE IS WITHIN THE PRIMARY CHILLED WATER RETURN TEMPERATURE SETPOINT PLUS 2 F (ADJ.), THE CHILLERS SHALL EXIT THE SOFT START SEQUENCE.
CHILLER OPERATION: A CHILLER THAT IS ON SHALL MODULATE ITS COOLING CAPACITY SUBJECT TO THE FACTORY CHILLER CONTROLLER TO MAINTAIN THE CHILLED WATER SUPPLY TEMPERATURE SETPOINT (ChlrChwSTmp).
THE CHILLERS SHALL OPERATE SUBJECT TO A LEAD/LAG SEQUENCE.
STARTING THE LAG CHILLER
THE LAG CHILLER SHALL BE STARTED PER THE CHILLER LOAD STAGING SEQUENCE.
IF A CHILLER FAILS TO START OR CONTINUE RUNNING ON COMMAND, THE BAS SHALL IMMEDIATELY INITIATE THE STARTING SEQUENCE FOR THE NEXT LAG CHILLER IN THE LINEUP AS PROGRAMMED.
WHEN THE FIRST CHILLER IS ENERGIZED, NO ADDITIONAL CHILLERS SHALL BE ADDED OR REMOVED FOR AN ADJUSTABLE LENGTH OF TIME (30 MINUTES) TO ALLOW THE SYSTEM TO STABILIZE. AFTER A LAG CHILLER IS ADDED OR REMOVED, NO ADDITIONAL CHILLERS SHALL BE ADDED OR REMOVED FOR AN ADJUSTABLE LENGTH OF TIME (15 MINUTES) TO ALLOW THE SYSTEM TO STABILIZE. THE LAG CHILLER'S EVAPORATOR ISOLATION VALVES SHALL BE SLOWLY OPENED OVER A PERIOD OF 2 MINUTES (ADJ.) TO AVOID LARGE FLOW VARIATIONS IN THE OPERATING CHILLERS. ONCE VALVE IS PROVED OPEN, THE RUNNING CHILLER SHALL UNLOAD AND THE LAG CHILLER SHALL START, MATCH CAPACITY, AND OPERATE IN PARALLEL WITH LEAD CHILLER TO MAINTAIN CHILLED WATER SUPPLY TEMPERATURE SETPOINT.
STOPPING A LAG CHILLER
THE LAG CHILLER SHALL BE STOPPED PER THE CHILLER LOAD STAGING SEQUENCE.
AT THAT TIME, THE LAG CHILLER SHALL BE DISABLED, AND ITS ISOLATION VALVE SLOWLY MODULATED CLOSED TO AVOID SUDDEN VARIATION IN CHILLER FLOW. THE LAG CHILLER SHALL BE DISABLED IN REVERSE ORDER AS DICTATED BY THE BAS LINEUP.

WHEN IN CHILLER HEAD PRESSURE CONTROL MODE:
THE CHILLER SHALL OPERATE UNDER CONDENSER HEAD PRESSURE CONTROL MODE CONTAINED WITHIN ITS INTERNAL UNIT CONTROLLER. THE CHILLER SHALL RESTRICT CONDENSER WATER BY MODULATING THE CONDENSER ISOLATION VALVE AS DEFINED WITHIN THE CENTRAL CONDENSER WATER PLANT SEQUENCE TO ENSURE THE CHILLER REACHES THE REQUIRED MINIMUM HEA



POINTS LIST - CONDENSER WATER PLANT

POINT ID	DESCRIPTION	POINT TYPE	DEFAULT SETPOINT	SETPOINT RESET RANGE	FAIL POSITION	TRENDING INTERVAL	TRENDING STORAGE	GRAPHIC DISPLAY	STATUS ALARM	ALARM RANGE	NOTES
CHILLERS SENSORS AND VALVES											
Chlr1CondDp	CHILLER 1 CONDENSER DIFFERENTIAL PRESSURE	AI	TBD					X			
Chlr1CwIsoVlvCmd	CHILLER 1 CONDENSER ISOLATION VALVE COMMAND (MODULATING)	AO	TBD		NO			X			
Chlr1CwIsoVlvPos	CHILLER 1 CONDENSER ISOLATION VALVE POSITION	AI						X	X	ChlrXCwIsoVlvPos <> ChlrXCwIsoVlvCmd	
Chlr1CwrTmp	CHILLER 1 CONDENSER WATER RETURN TEMPERATURE	AI						X			
Chlr2CondDp	CHILLER 2 CONDENSER DIFFERENTIAL PRESSURE	AI	TBD					X			
Chlr2CwIsoVlvCmd	CHILLER 2 CONDENSER ISOLATION VALVE COMMAND (MODULATING)	AO	TBD		NO			X			
Chlr2CwIsoVlvPos	CHILLER 2 CONDENSER ISOLATION VALVE POSITION	AI						X	X	ChlrXCwIsoVlvPos <> ChlrXCwIsoVlvCmd	
Chlr2CwrTmp	CHILLER 2 CONDENSER WATER RETURN TEMPERATURE	AI						X			
Chlr3CondDp	CHILLER 3 CONDENSER DIFFERENTIAL PRESSURE	AI	TBD					X			A, B
Chlr3CwIsoVlvCmd	CHILLER 3 CONDENSER ISOLATION VALVE COMMAND (MODULATING)	AO	TBD		NO			X			A, B
Chlr3CwIsoVlvPos	CHILLER 3 CONDENSER ISOLATION VALVE POSITION	AI						X	X	ChlrXCwIsoVlvPos <> ChlrXCwIsoVlvCmd	
Chlr3CwrTmp	CHILLER 3 CONDENSER WATER RETURN TEMPERATURE	AI						X			A
COOLING TOWER SENSOR AND VALVES											
CT3BhAlm	COOLING TOWER 3 BASIN HEATER ALARM (TYP 2)	BI				15 MIN	X	X	X	ON ACTIVATION	
CT3CwrIsoVlvCmd	COOLING TOWER 3 CONDENSER WATER RETURN VALVE COMMAND (OPEN/CLOSED)	BO			NO			X			
CT3CwrIsoVlvPos	COOLING TOWER 3 CONDENSER WATER RETURN VALVE POSITION	BI						X	X	CT3CwrVlvPos <> CT3CwrVlvCmd	
CT3CwsIsoVlvCmd	COOLING TOWER 3 CONDENSER WATER SUPPLY ISOLATION VALVE COMMAND (OPEN/CLOSED)	BO			NO			X			
CT3CwsIsoVlvPos	COOLING TOWER 3 CONDENSER WATER SUPPLY ISOLATION VALVE POSITION	BI						X	X	CT3CwsVlvPos <> CT3CwsVlvCmd	
CT3SwpsIsoVlvCmd	COOLING TOWER 3 SWEEPER SUPPLY ISOLATION VALVE COMMAND (OPEN/CLOSED)	BO						X			
CT3SwpsIsoVlvPos	COOLING TOWER 3 SWEEPER SUPPLY ISOLATION VALVE POSITION	BI						X	X	CT3SwpsIsoVlvPos <> CT3SwpsIsoVlvCmd	
CT3SwprIsoVlvCmd	COOLING TOWER 3 SWEEPER RETURN ISOLATION VALVE COMMAND (OPEN/CLOSED)	BO						X			
CT3SwprIsoVlvPos	COOLING TOWER 3 SWEEPER RETURN ISOLATION VALVE POSITION	BI						X	X	CT3SwprIsoVlvPos <> CT3SwprIsoVlvCmd	
COOLING TOWER FAN											
CT3VFDCmd	COOLING TOWER 3 FAN VFD COMMAND.(START/STOP)	BO						X			
CT3VFDHz	COOLING TOWER 3 FAN VFD OUTPUT FREEQUENCY	AI						X			
CT3VFDSpd	COOLING TOWER 3 FAN VFD CONTROL SPEED OUTPUT	AO		MIN.-60 Hz				X	X	CT3VFDHz <> MINIMUM	
CT3VFDComm	COOLING TOWER 3 FAN VFD COMMUNICATION	COM						X			
CT3VFDAlm	COOLING TOWER 3 FAN VFD ALARM	BI				15 MIN	X	X	X	COMMON ALARM	
CT3VFDSts	COOLING TOWER 3 FAN STATUS	BI				15 MIN	X	X	X	CT3Sts <> CT3Cmd	
CT3VlBSwAlm	COOLING TOWER 3 FAN VIBRATION SWITCH ALARM	BI						X			
CONDENSER WATER SEPERATOR											
SeprIsoVlvCmd	SEPERATER RETURN ISOLATION VALVE COMMAND (OPEN/CLOSED)	BI						X			
SeprIsoVlvPos	SEPERATER RETURN ISOLATION VALVE POSITION	BO					X	X	X	SeprIsoVlvPos <> SeprIsoVlvCmd	
SepsIsoVlvCmd	SEPERATER SUPPLY ISOLATION VALVE COMMAND (OPEN/CLOSED)	BI						X			
SepsIsoVlvPos	SEPERATER SUPPLY ISOLATION VALVE POSITION	BO						X	X	SepsIsoVlvPos <> SepsIsoVlvCmd	
CONDENSATE WATER PUMPS											
CwP1VFDCmd	CONDENSER PUMP 1 VFD COMMAND	BO						X			
CwP1VFDSpd	CONDENSER PUMP 1 VFD CONTROL SPEED OUTPUT	AO	TBD	MIN.-60 Hz				X	X		
CwP1VFDSts	CONDENSER PUMP 1 STATUS	BI				15 MIN	X	X	X	CwP1Sts <> CwP1Cmd	
CwP1VFDComm	CONDENSER PUMP 1 VFD COMMUNICATION	COM						X			
CwP1VFDAlm	CONDENSER PUMP 1 VFD FAULT ALARM	BI				15 MIN	X	X	X	COMMON ALARM	
CwP1VFDHz	CONDENSER PUMP 1 VFD OUTPUT FREEQUENCY	AI									
CwP2VFDCmd	CONDENSER PUMP 2 VFD COMMAND	BO						X			
CwP2VFDSpd	CONDENSER PUMP 2 VFD CONTROL SPEED OUTPUT	AO	TBD	MIN.-60 Hz				X	X		
CwP2VFDSts	CONDENSER PUMP 2 STATUS	BI				15 MIN	X	X	X	CwP2Sts <> CwP2Cmd	
CwP2VFDComm	CONDENSER PUMP 2 VFD COMMUNICATION	COM						X			
CwP2VFDAlm	CONDENSER PUMP 2 VFD FAULT ALARM	BI				15 MIN	X	X	X	COMMON ALARM	
CwP2VFDHz	CONDENSER PUMP 2 VFD OUTPUT FREEQUENCY	AI									
CwP3VFDCmd	CONDENSER PUMP 3 VFD COMMAND	BO						X			
CwP3VFDSpd	CONDENSER PUMP 3 VFD CONTROL SPEED OUTPUT	AO	TBD	MIN.-60 Hz				X	X		
CwP3VFDSts	CONDENSER PUMP 3 STATUS	BI				15 MIN	X	X	X	CwP3Sts <> CwP3Cmd	
CwP3VFDComm	CONDENSER PUMP 3 VFD COMMUNICATION	COM						X			
CwP3VFDAlm	CONDENSER PUMP 3 VFD FAULT ALARM	BI				15 MIN	X	X	X	COMMON ALARM	
CwP3VFDHz	CONDENSER PUMP 3 VFD OUTPUT FREEQUENCY	AI									

ALL POINTS FOR NEW CHILLER 3 SHALL BE PROVIDED BY BAS CONTRACTOR UNLESS NOTED OTHERWISE. POINTS FOR EXISTING EQUIPMENT ARE SHOWN FOR REFERENCE.

NOTES:
A. BAS CONTRACTOR SHALL PROVIDE DEVICE.
B. DETERMINE SETPOINT IN FIELD.

1 CONDENSER WATER DIAGRAM & SEQUENCE
NOT TO SCALE

EXISTING SEQUENCE OF OPERATIONS

CENTRAL CONDENSER WATER PLANT

THIS SEQUENCE OF OPERATIONS IS ORGANIZED INTO THE FOLLOWING MAIN CATEGORIES: OPERATING MODES, CONTROL SETPOINT RESETS, SAFETIES, OVERRIDES AND INTERLOCKS, AND COMPONENT CONTROL LOOPS. THE OPERATING MODES DESCRIBE THE CRITERIA THAT EITHER ENABLE OR DISABLE THE VARIOUS MODES OF OPERATION. IF A MODE OF OPERATION IS NOT LISTED WITHIN A COMPONENT CONTROL LOOP SECTION THEN THAT MODE OF OPERATION HAS NO DIRECT INFLUENCE ON THE OPERATION OF THE COMPONENT. THE CONTROL SETPOINT RESET SECTION DESCRIBES THE LOGIC AND REFERENCE VARIABLES THAT WILL BE USED TO RESET CONTROL SETPOINTS TO A NEW VALUE WITHIN ITS RESET RANGE. THE SAFETIES, OVERRIDES, AND INTERLOCKS SECTION OUTLINES THE HARDWIRED INTERLOCKS THAT WILL BE REQUIRED TO MEET LIFE SAFETY REQUIREMENTS. SAFETIES AND INTERLOCKS TAKE PRECEDENCE OVER ALL OTHER CONTROL STRATEGIES OUTLINED IN THIS DOCUMENT. THE CONTROL RESPONSES OF EACH COMPONENT FOR THE VARIOUS MODES OF OPERATION ARE DESCRIBED IN THE COMPONENT CONTROL LOOP SECTIONS.

THE SEQUENCE OF OPERATIONS, THE POINTS LIST AND CONTROL DIAGRAMS SHALL BE USED TO PROVIDE A COMPLETE DESCRIPTION OF THE CONTROL PHILOSOPHY FOR THE CONTROLLED EQUIPMENT. INDIVIDUAL SETPOINT VALUES, RESET RANGES, AND ALARM ACTION LEVELS ARE LISTED IN THE POINTS LIST. COMPONENTS AND CONTROL SENSOR LOCATIONS ARE GRAPHICALLY DEPICTED ON THE CONTROL DIAGRAM. THE CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY NECESSARY TIME DELAY SETPOINTS TO ESTABLISH STABLE SYSTEM OPERATION. NOTE THAT EXISTING CONTROL POINT NAMES MAY DIFFER FROM NAMES USED ON NEW DRAWINGS. THE CONTROLS CONTRACTOR SHALL VERIFY NEW AND EXISTING NAMES ARE COORDINATED AT TIME OF INSTALLATION.

OPERATING MODES

CHILLED WATER PLANT DISABLED MODE:
THE CONDENSER WATER PLANT SHALL BE IN DISABLED MODE AS DEFINED WITHIN THE CENTRAL CHILLED WATER PLANT CONTROL SEQUENCE.

CHILLED WATER PLANT ENABLED MODE:
THE CONDENSER WATER PLANT SHALL BE IN ENABLED MODE AS DEFINED WITHIN THE CENTRAL CHILLED WATER PLANT CONTROL SEQUENCE.

CHILLER HEAD PRESSURE CONTROL MODE:
CHILLER HEAD PRESSURE CONTROL SHALL BE PROVIDED WITH CHILLER AND ACTIVATED BY THE ONBOARD FACTORY CONTROLLER TO MAINTAIN THE MINIMUM HEAD PRESSURE DIFFERENTIAL PRESSURE BETWEEN THE EVAPORATOR AND CONDENSER. THE BUILDING AUTOMATION SYSTEM (BAS) SHALL PROVIDE VISIBILITY WHEN A CHILLER IS IN HEAD PRESSURE CONTROL MODE.

LOSS OF POWER RESTART DELAY MODE:
THE PLANT SHALL BE IN LOSS OF POWER MODE UPON RESTORATION OF POWER AFTER AN UNEXPECTED LOSS OF POWER. THE PLANT SHALL REMAIN IN THIS MODE FOR THE DURATION AS DEFINED BY THE PLANT START DELAY (PSD) SETPOINT. ONCE THE PLANT START DELAY DURATION HAS ELAPSED, THE PLANT SHALL RETURN TO ITS PREVIOUS MODE PRIOR TO LOSS OF POWER.

CHILLER FAILURE MODE:
A CHILLER SHALL BE IN FAILURE MODE AS DEFINED BY THE CHILLER FAILURE MODE WITHIN THE CENTRAL CHILLED WATER PLANT CONTROL SEQUENCE.

CHILLER MANUAL START MODE:
THE BAS SHALL INDICATE MANUAL START MODE AS DEFINED BY THE CHILLER MANUAL START MODE WITHIN THE CENTRAL CHILLED WATER PLANT CONTROL SEQUENCE.

PUMP FAILURE MODE:
A PUMP SHALL BE IN FAILURE MODE WHEN:
THE PUMP IS GIVEN A START SIGNAL;
AND- THE PUMP STATUS INDICATES IT IS OFF.

SAFETIES, OVERRIDES AND INTERLOCKS

EMERGENCY STOP SWITCH (CHSTP):
REFERENCE THE CENTRAL CHILLED WATER PLANT CONTROL SEQUENCE FOR SHUTDOWN INFORMATION.

REFRIGERANT MONITORING SYSTEM INTERLOCK (RLS):
REFERENCE THE CENTRAL CHILLED WATER PLANT CONTROL SEQUENCE FOR SHUTDOWN INFORMATION.

SMOKE CONTROL FIRE ALARM INTERLOCK:
THE CONDENSER PLANT SHALL SHUT DOWN WHEN COMMANDED BY THE BAS DURING SMOKE CONTROL MODE. ALL EQUIPMENT AND ACCESSORIES SHALL BE IN DISABLED MODE DURING SMOKE CONTROL MODE.

CONDENSER WATER CONTROL SEQUENCE

CONDENSER WATER MAKEUP AND BLOWDOWN CONTROL
CONDENSER WATER MAKEUP AND BLOWDOWN CONTROL SHALL REMAIN THE SAME AS THE EXISTING SEQUENCER.

SEPARATOR AND PUMP CONTROL

PUMP SHALL RUN WHENEVER COOLING TOWERS ARE ON. SEPERATOR CONTROL VALVES FOR INDIVIDUAL CT SHALL REMAIN OPEN TO CONDENSER WATER SUPPLY HEADER . THE CONTROL VALVES SHALL ALTERNATE BETWEEN CT-1, 2 OR 3 SWEEPER PIPING.

CONDENSER WATER PUMP CONTROL
CONDENSER WATER PUMPS CWP-1, CWP-2, AND CWP-3 SERVE A COMMON CONDENSER WATER SUPPLY HEADER. WHEN ANY OF THE CHILLERS CH-1, CH-2, OR CH-3 IS ENABLED (BASED ON LEAD /LAG) AND THE CORRESPONDING ISOLATION VALVES AT THE CHILLER AND COOLING TOWERS ARE PROVED TO BE OPEN, THE LEAD CONDENSER WATER PUMP SHALL START AT MINIMUM SPEED. IF THE LEAD PUMP VFD FAILS TO VERIFY THE STATUS OF PUMP, IT SHALL BE DESIGNATED "OUT OF SERVICE" AND NEXT PUMP IN SEQUENCE SHALL BE STARTED. ONCE STARTED, THE VFD SHALL RAMP TO THE PRE-DETERMINED SPEED BY TAB CONTRACTOR TO MAINTAIN CONSTANT FLOW THROUGH THE OPERATING CHILLER. CONDENSER WATER PUMPS SHALL BE ADDED TO THE SYSTEM CORRESPONDING TO THE ADDITION OF CHILLERS IN OPERATION.

CONDENSER WATER AND COOLING TOWER SYSTEM

WHEN ANY CHILLER IS OPERATING, THE COOLING TOWER SYSTEM SHALL BE ENABLED. A NUMBER OF INDIVIDUAL COOLING TOWER CELLS SHALL BE MADE ACTIVE BASED ON THE NUMBER OF CHILLERS RUNNING.
1 CHILLER = 1 COOLING TOWER CELLS
2 CHILLERS = 2 COOLING TOWER CELLS
3 CHILLERS = 3 COOLING TOWER CELLS

COOLING TOWER FAN CONTROL
THE COOLING TOWER SYSTEM SHALL BE OPTIMIZED TO PROVIDE THE COLDEST CONDENSER WATER TEMPERATURE USING THE LEAST COOLING TOWER FAN POWER.

WHEN THE LEAD COOLING TOWER'S CONDENSER WATER RETURN ISOLATION VALVE IS OPENED THE LEAD COOLING TOWERS FAN CONTROL SEQUENCE SHALL BE ENABLED. THE SPEED OF THE LEAD COOLING TOWER FANS VFD SHALL BE MODULATED TO MAINTAIN THE ADJUSTABLE COMMON CONDENSER WATER SUPPLY TEMPERATURE SETPOINT AS SENSED BY THE COMMON CONDENSER WATER SUPPLY TEMPERATURE TRANSMITTER (TT-CWS). THE CONDENSER WATER SUPPLY TEMPERATURE SETPOINT SHALL BE INITIALLY SET BASED ON THE CONDENSER WATER SUPPLY RESET SEQUENCE LISTED BELOW. THERE SHALL BE A MINIMUM SPEED THAT IS SET AND SHALL BE THE SAME VALUE IN BOTH THE VFD CONTROLLER AND THE DDC CONTROL SYSTEM. THE MINIMUM SPEED SHALL BE SET ACCORDING TO THE COOLING TOWER MANUFACTURER TO AVOID CRITICAL FREQUENCIES AND TO PREVENT THE MOTOR FROM OVERHEATING. WHEN THE CONTROL LOOP MAINTAINING THE CONDENSER WATER TEMPERATURE CALLS FOR A SLOWER FAN SPEED WHEN THE FAN IS ALREADY AT THE MINIMUM SPEED, THE DDC SYSTEM SHALL COMMAND THE FAN BE STOPPED FOR A MINIMUM ADJUSTABLE PERIOD OF TIME (5 MIN.). THE MAXIMUM SPEED FOR THE COOLING TOWER SHALL BE SET BASED ON SOUND TESTING AT SITE TO MAINTAIN ALLOWABLE SOUND LEVEL AS MEASURED BY THE TAB CONTRACTOR.

WHEN THE LAG CHILLER STARTS, IT SHALL START THE PROCESS OF THE LAG COOLING TOWER BEING ENABLED AND SO FORTH. WHEN MULTIPLE COOLING TOWERS ARE RUNNING,THE SPEED OF THE COOLING TOWER FAN VFDS SHALL BE MODULATED TOGETHER TO MAINTAIN THE ADJUSTABLE COMMON CONDENSER WATER SUPPLY TEMPERATURE SETPOINT AS SENSED BY THE COMMON CONDENSER WATER SUPPLY TEMPERATURE TRANSMITTER (TT-CWS) ACCORDING TO THE ABOVE SEQUENCE.

A VIBRATION SENSOR SHALL BE CONNECTED TO THE VFD SAFETY CIRCUIT TO DE-ENERGIZE THE FAN WHENEVER EXCESSIVE VIBRATION IS DETECTED.

WHEN A CHILLER IS STOPPED AND A COOLING TOWERS CONDENSER WATER SUPPLY AND RETURN ISOLATION VALVES ARE CLOSED THE RESPECTIVE COOLING TOWERS FAN CONTROL SEQUENCE SHALL BE DISABLED AND THE FAN SHALL BE STOPPED.

BYPASS VALVE
THE BYPASS VALVE (VLV-CW.BYP) SHALL BE CONTROLLED TO MAINTAIN THE CONDENSER WATER SUPPLY TEMPERATURE SETPOINT OF EACH COOLING TOWER. THE BYPASS VALVE SHALL NOT LET MORE THAN 50% OF WATER FLOW FOR THE TOWER TO BYPASS.

COOLING TOWER FREEZE PROTECTION SEQUENCES
IN "FREEZING CONDITIONS" [OUTSIDE AIR TEMPERATURE BELOW 35.0 DEG. F (ADJ.)]: ON START-UP OF COOLING TOWERS, THE BYPASS SHALL PROVIDE 100% BYPASS OF THE TOWER UNTIL THE WATER TEMPERATURE ENTERING THE TOWER BASIN IS WITHIN 5.0 DEG. F OF THE REQUIRED CONDENSER WATER TEMPERATURE SET POINT. AT THIS POINT THE TOWER SHALL RETURN TO NORMAL OPERATION. IF THE COOLING TOWER SUMP TEMPERATURE FALLS BELOW 38 DEG. F (ADJ.), ENERGIZE THE ELECTRIC BASIN HEATER OPEN TO MAINTAIN THE SUMP TEMPERATURE ABOVE 38.0 DEG. F.

COOLING TOWER BASIN LEVEL CONTROL
THE BUILDING CONTROL SYSTEM SHALL MONITOR THE BASIN WATER LEVEL SENSORS IN EACH COOLING TOWER CELL BASIN AND OPEN A MAKEUP WATER VALVE (VLV-CW.MKP) CONNECTED TO CONDENSER WATER RETURN HEADER TO MAINTAIN ALL BASINS ABOVE A MINIMUM LEVEL. THERE SHALL BE HIGH AND LOW BASIN LEVEL ALARMS FOR EACH INDIVIDUAL BASIN. THE FLOW RATE AND TOTAL AMOUNT OF MAKE-UP WATER SHALL BE MONITORED BY A WATER METER INSTALLED IN THE MAKE-UP WATER SUPPLY PIPE.

CONTROLS CONTRACTOR SCOPE OF WORK
POINT LIST PROVIDED FOR REFERENCE. CONTROLS CONTRACTOR TO PROVIDE ALL REQUIRED POINTS, SENSORS, CONTROLLERS, AND ASSOCIATED EQUIPMENT TO SAFETY THE INTENT OF THE LISTED SEQUENCE.

EXISTING PLANT SEQUENCE TO BE LEFT IN PLACE AS DENOTED BY HALFTONE TEXT. BOLDED TEXT ON THIS SHEET IS INTENDED TO BE REVISED IN THE EXISTING SEQUENCE.

LEAD/LAG EQUIPMENT SELECTION
THE DDC SYSTEM SHALL PROVIDE AN OPERATOR INTERFACE GRAPHIC SCREEN TO TRACK RUN HOURS, AND PROMPT OPERATOR TO ROTATE THE LEAD/LAG, AND DESIGNATE A PUMP AS "OUT OF SERVICE". THE DDC SYSTEM SHALL TRACK AND DISPLAY THE RUN TIMES OF EACH PUMP. WHEN A LEAD PUMP IS DESIGNATED AS "OUT OF SERVICE", THE NEXT LAG PUMP SHALL BECOME LEAD. THE DDC SYSTEM SHALL NOT AUTOMATICALLY ROTATE THE LEAD AND LAG EQUIPMENT.

CONDENSER WATER SUPPLY RESET:
RESET BASED ON PREDICTED SUPPLY TEMPERATURE: THE CONDENSER WATER SUPPLY TEMPERATURE SETPOINT SHALL RESET ACCORDING TO PREDICTED CONDENSER WATER SUPPLY TEMPERATURE (OUTSIDE AIR WET BULB PLUS THE APPROACH TEMPERATURE, CWSTMPSPT = OAWB + 7F) SUBJECT TO THE OPERATING CHILLER'S MINIMUM CONDENSER WATER TEMPERATURE SETPOINT. CH-1 IS 38F AND CH-1& 2 IS 55F. IF TWO OR MORE CHILLERS ARE RUNNING THEN THE HIGHER OF THE TWO SHALL BE THE MINIMUM SETPOINT.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

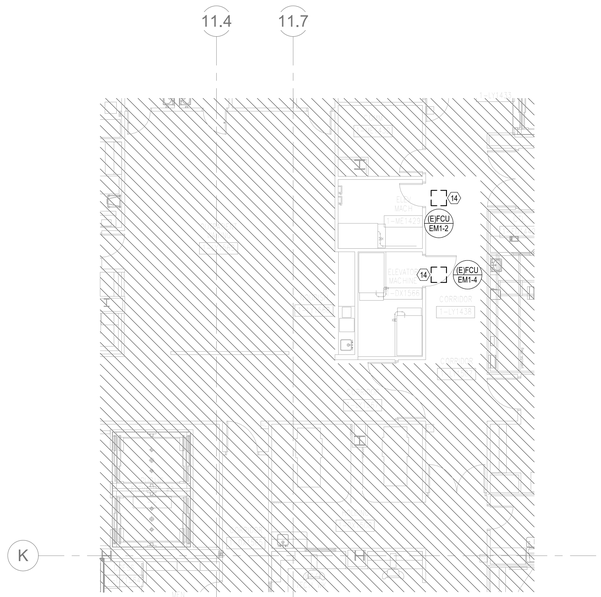
DATE:	2024/12/05
SCALE:	NOT TO SCALE
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

CONTROLS - MECHANICAL

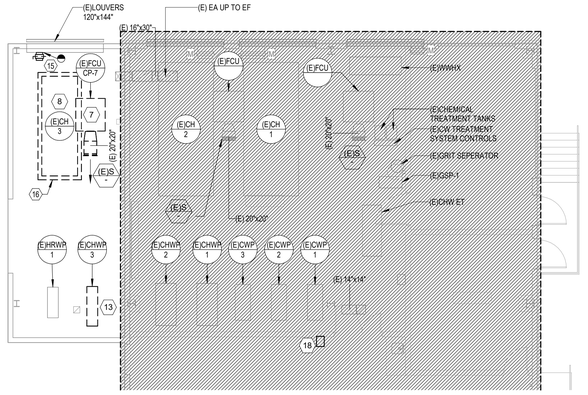
M01-07

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.

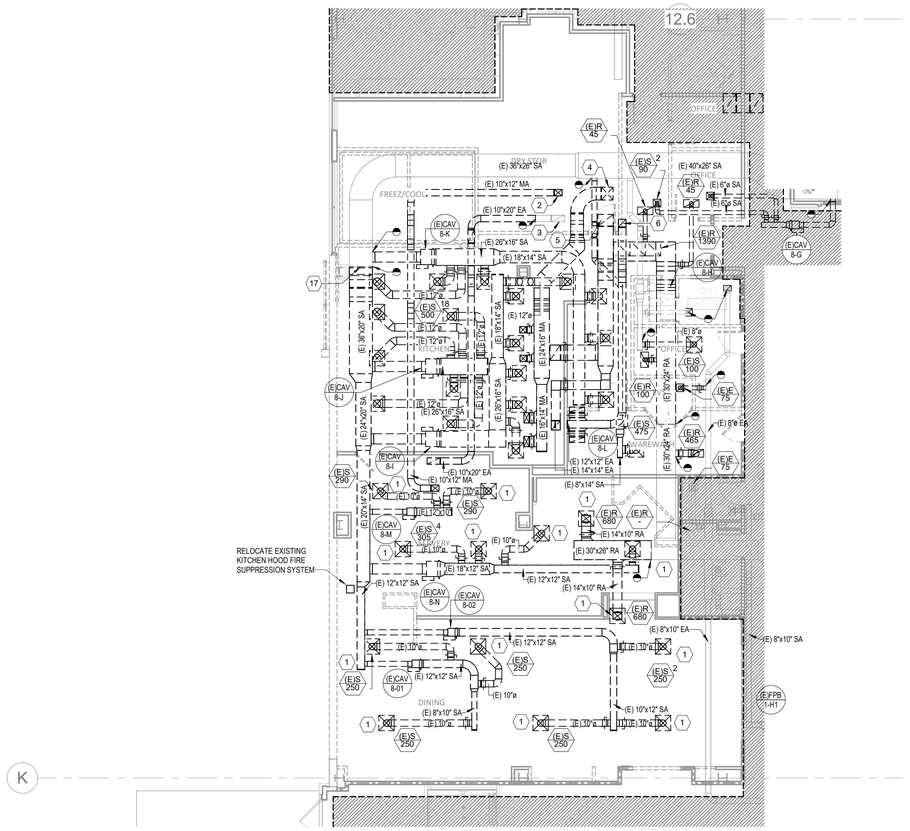
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:28 PM



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



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



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

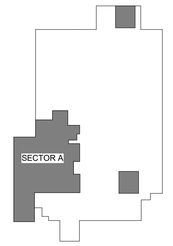
GENERAL DEMO NOTES

A. REFER TO M00-00 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-TABBED CONSTRUCTION VALUES.

LEGEND NOTES

1. DEMOLISH EXISTING SUPPLY DIFFUSER.
2. DEMOLISH (E)10"x12" KITCHEN HOOD MAKE UP AIR DUCT UP TO MAU-2 ON ROOF. PATCH OPENING AND PATCH ROOF.
3. (E)10"x20" KITCHEN HOOD EXHAUST DUCT UP TO KEF-3 ON ROOF.
4. DEMOLISH (E)20"x18" KITCHEN HOOD MAKE-UP AIR DUCT UP TO MAU-1 ON ROOF. PATCH OPENING AND PATCH ROOF.
5. (E)24"x18" KITCHEN HOOD EXHAUST UP TO KEF-2 ON ROOF.
6. DEMOLISH (E)12"x12" DISHWASHER EXHAUST DUCT UP TO KEF-1 ON ROOF.
7. DEMOLISH EXISTING FCU AND ASSOCIATED DUCTWORK, ACCESSORIES, ETC.
8. REMOVE CHILLER AND RETURN TO OWNER.
9. (E)10"X10" GENERAL EXHAUST DUCT UP TO GEF-26.
10. (E)16"X14" GENERAL EXHAUST DUCT UP TO GEF-7.
11. (E)12"X12" EA UP TO EF-1.
12. DEMOLISH EXISTING FAN POWERED BOX AND ASSOCIATED DUCTWORK, PIPING, ACCESSORIES/FITTINGS, INSULATION, VALVES, SUPPORTS, ELECTRICAL, CONTROL WIRING, ETC.
13. DEMOLISH CHILLED WATER PUMP.
14. DEMOLISH EXISTING FCU AND ASSOCIATED DUCTWORK, PIPING, ACCESSORIES/FITTINGS, INSULATION, VALVES, SUPPORTS, ELECTRICAL, CONTROL WIRING, ETC.
15. DEMOLISH EXISTING 10"X10" DUCT AND MOTORIZED DAMPER. PREPARE FOR NEW 36"X12" DUCT CONNECTION. SEE NEW WORK PLAN.
16. DEMOLISH EXISTING CONCRETE PAD PROVIDED TO CHILLER AND REFER TO ARCHITECTURAL DRAWINGS.
17. DEMOLISH EXISTING SUPPLY DUCTWORK, CAP AND SEAL.
18. DEMOLISH EXISTING ESTOP FOR CH-1, CH-2, AND CH-3. SEE NEW WORK PLAN FOR REPLACEMENT ESTOP.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

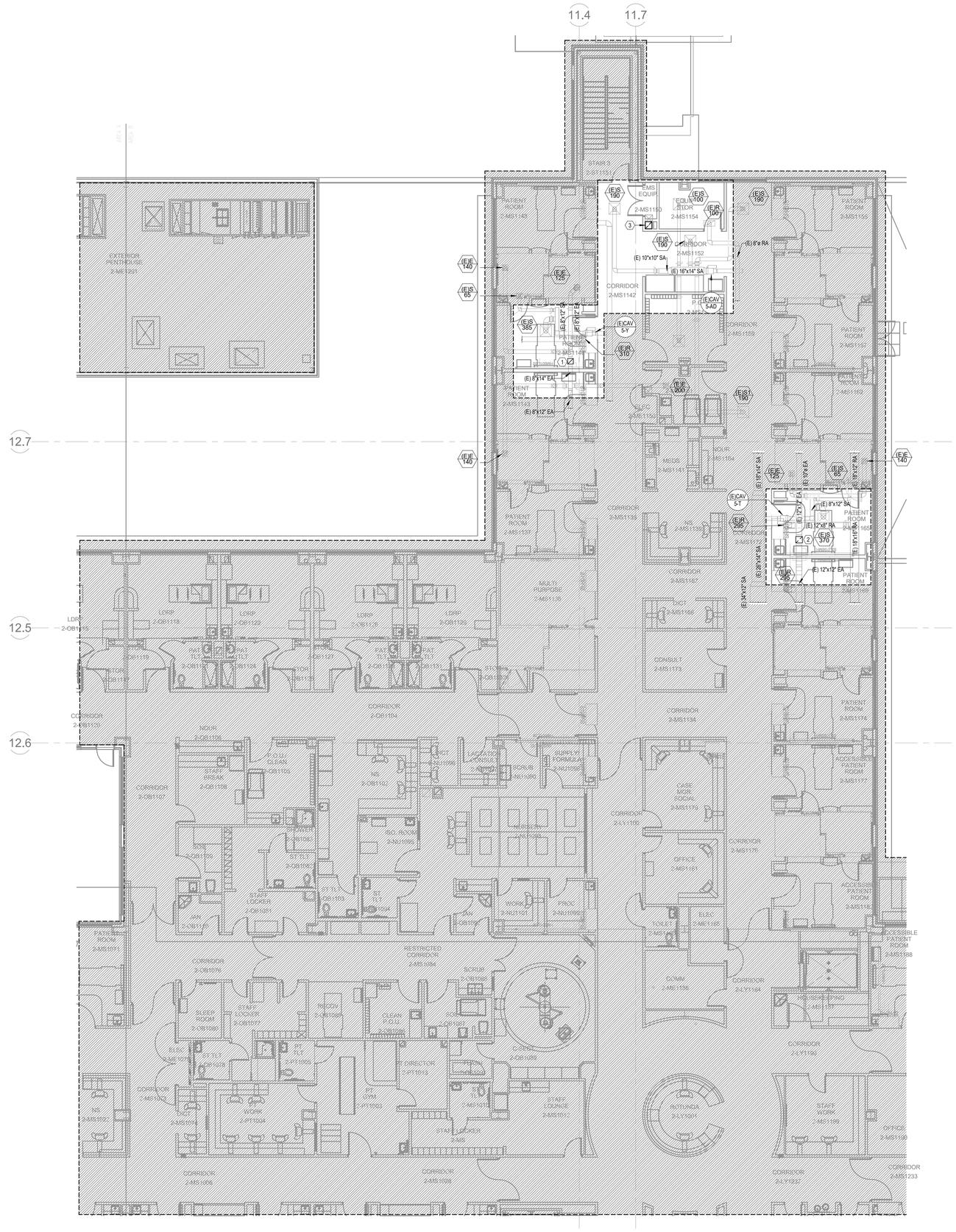
DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

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

MD02-01

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.

12/4/2024 6:05:33 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt


11.4
11.7
12.7
12.5
12.6
EXTERIOR PENTHOUSE 2-ME1291
STAIR 2-MS1151
EMS EQUIP 2-MS1150
EQUIP STOR 2-MS1154
CORRIDOR 2-MS1152
CORRIDOR 2-MS1142
PATIENT ROOM 2-MS1140
PATIENT ROOM 2-MS1141
PATIENT ROOM 2-MS1155
PATIENT ROOM 2-MS1156
PATIENT ROOM 2-MS1157
PATIENT ROOM 2-MS1158
PATIENT ROOM 2-MS1159
PATIENT ROOM 2-MS1160
PATIENT ROOM 2-MS1161
PATIENT ROOM 2-MS1162
PATIENT ROOM 2-MS1163
PATIENT ROOM 2-MS1164
PATIENT ROOM 2-MS1165
PATIENT ROOM 2-MS1166
PATIENT ROOM 2-MS1167
PATIENT ROOM 2-MS1168
ACCESSIBLE PATIENT ROOM 2-MS1177
ACCESSIBLE PATIENT ROOM 2-MS1178
ACCESSIBLE PATIENT ROOM 2-MS1188
CORRIDOR 2-MS1159
CORRIDOR 2-MS1139
CORRIDOR 2-MS1167
CORRIDOR 2-MS1134
CORRIDOR 2-MS1110
CORRIDOR 2-MS1176
CORRIDOR 2-MS1177
CORRIDOR 2-LY1184
CORRIDOR 2-LY1190
CORRIDOR 2-LY1237
CORRIDOR 2-MS1233
CORRIDOR 2-MS1008
CORRIDOR 2-MS1006
CORRIDOR 2-OB1120
CORRIDOR 2-OB1154
CORRIDOR 2-OB1127
MEDS 2-MS1141
MULTI PURPOSE 2-MS1130
DUCT 2-MS1166
CONSULT 2-MS1173
CASE MGR SOCIAL 2-MS1175
OFFICE 2-MS1181
OFFICE 2-MS1199
ROTUNDA 2-LY1191
STAFF WORK 2-MS1198
STAFF LOUNGE 2-MS1157
DIRECTOR 2-PT1013
RESTRICTED CORRIDOR 2-MS1094
SCRUB 2-MS1092
SUPPLY FORMULA 2-MS1193
LACTATION 2-MS1096
DUCT 2-MS1098
NO. ROOM 2-MS1095
PROC 2-MS1095
WORK 2-MS1101
CLEAN P.O.U. 2-MS1097
SOILED 2-MS1105
CLEAN 2-MS1106
OFFICE 2-MS1107
STAFF LOCKER 2-MS1051
STAFF LOCKER 2-MS
STAFF LOCKER 2-OB1051
STAFF BREAK 2-OB1108
SLEEP ROOM 2-OB1096
SLEEP ROOM 2-OB1109
P.O.U. CLEAN 2-OB1115
NURSE 2-OB1116
NURSE 2-OB1126
NURSE 2-OB1125
NURSE 2-OB1124
NURSE 2-OB1123
NURSE 2-OB1122
NURSE 2-OB1121
NURSE 2-OB1120
NURSE 2-OB1119
NURSE 2-OB1118
NURSE 2-OB1117
NURSE 2-OB1116
NURSE 2-OB1102
NURSE 2-OB1135
NURSE 2-OB1136
NURSE 2-OB1137
NURSE 2-OB1138
NURSE 2-OB1139
NURSE 2-OB1140
NURSE 2-OB1141
NURSE 2-OB1142
NURSE 2-OB1143
NURSE 2-OB1144
NURSE 2-OB1145
NURSE 2-OB1146
NURSE 2-OB1147
NURSE 2-OB1148
NURSE 2-OB1149
NURSE 2-OB1150
NURSE 2-OB1151
NURSE 2-OB1152
NURSE 2-OB1153
NURSE 2-OB1154
NURSE

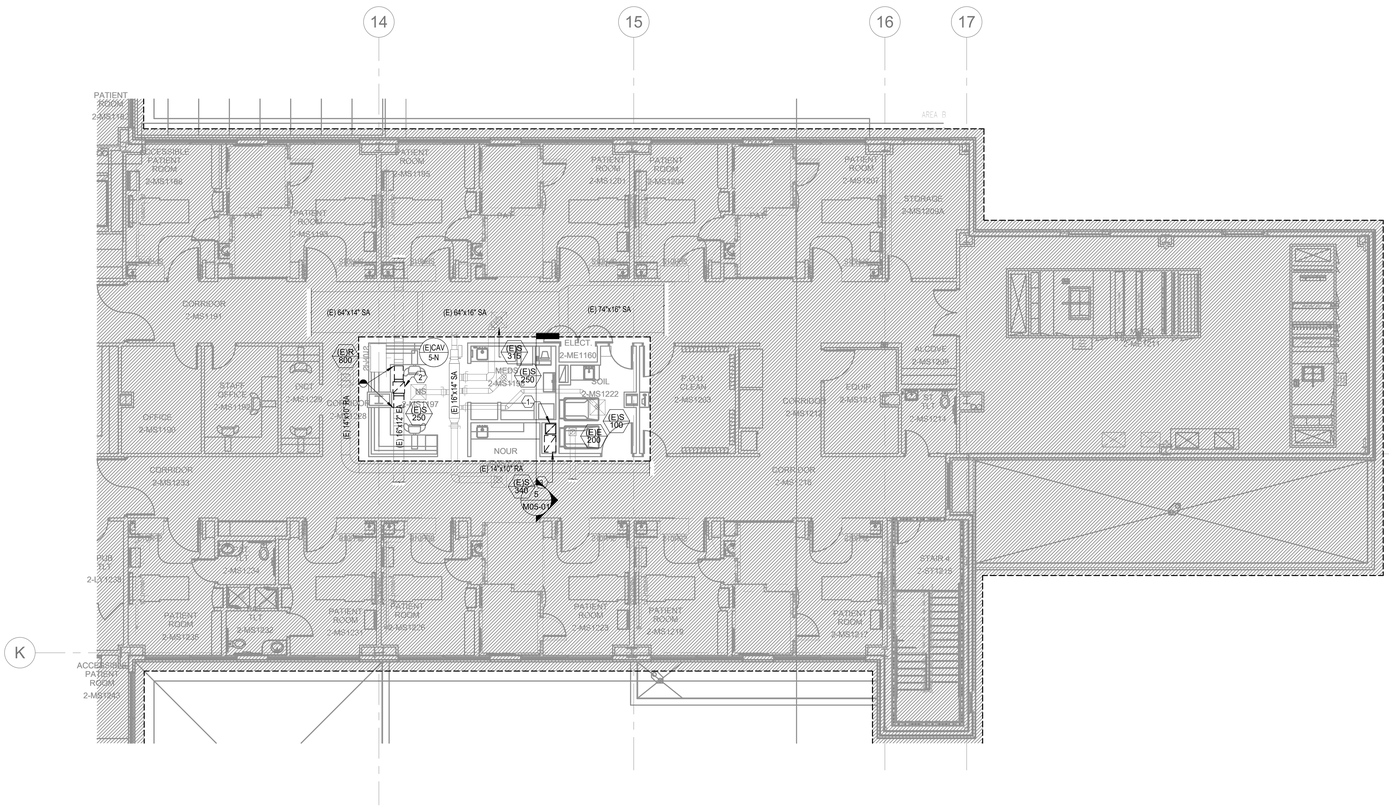
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

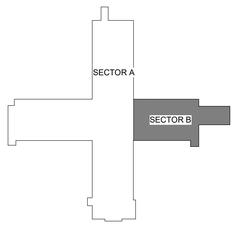
LEGEND NOTES

1. DEMOLISH (E)16"x16" EA DUCT FROM SECOND FLOOR CEILING UP TO (E)GEF-1 ON ROOF.
2. DEMOLISH (E)18"x18" UP TO (E)GEF-13 ON ROOF.
3. DEMOLISH (E)26"x18" EA DUCT FROM SECOND FLOOR CEILING UP TO (E)GEF-2 ON ROOF.



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

LEVEL 2 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

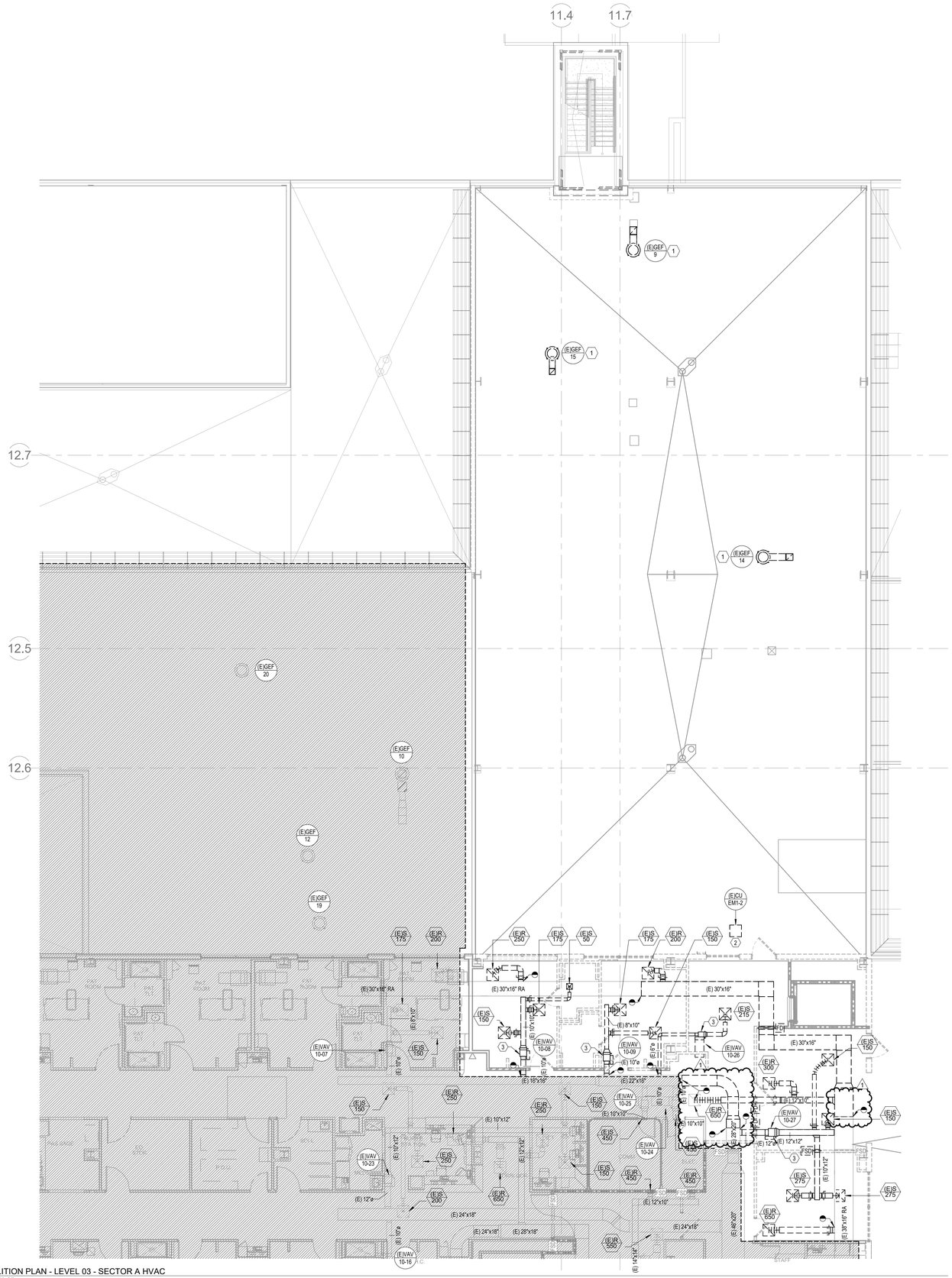
DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

DEMOLITION PLAN - LEVEL 02 - SECTOR B HVAC

MD02-02B

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.
12/4/2024 6:05:35 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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

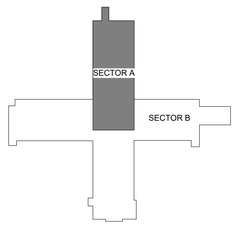
GENERAL DEMO NOTES

A. REFER TO M00-00 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-TABBED CONSTRUCTION VALUES.

LEGEND NOTES

1. DEMOLISH EXHAUST FAN AND ASSOCIATED DUCTWORK THROUGH ROOF. PREPARE EXHAUST DUCTWORK FOR NEW CONNECTION SHOWN ON NEW WORK SHEETS.
2. DEMOLISH CONDENSING UNIT AND ASSOCIATED HVAC ACCESSORIES. PROVIDE TEMPORARY COOLING FOR ROOM(S) SERVED BY CONDENSING UNIT.
3. DEMOLISH VAV BOX AND ASSOCIATED ACCESSORIES, SUPPORT, CONTROLS, WIRING, ETC.

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

JONATHAN DECKERT NUMBER PE-2021059309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/11/2025

WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

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

DEMOLITION PLAN - LEVEL 03 - SECTOR A HVAC

MD02-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
7/3/2025 1:17:55 PM

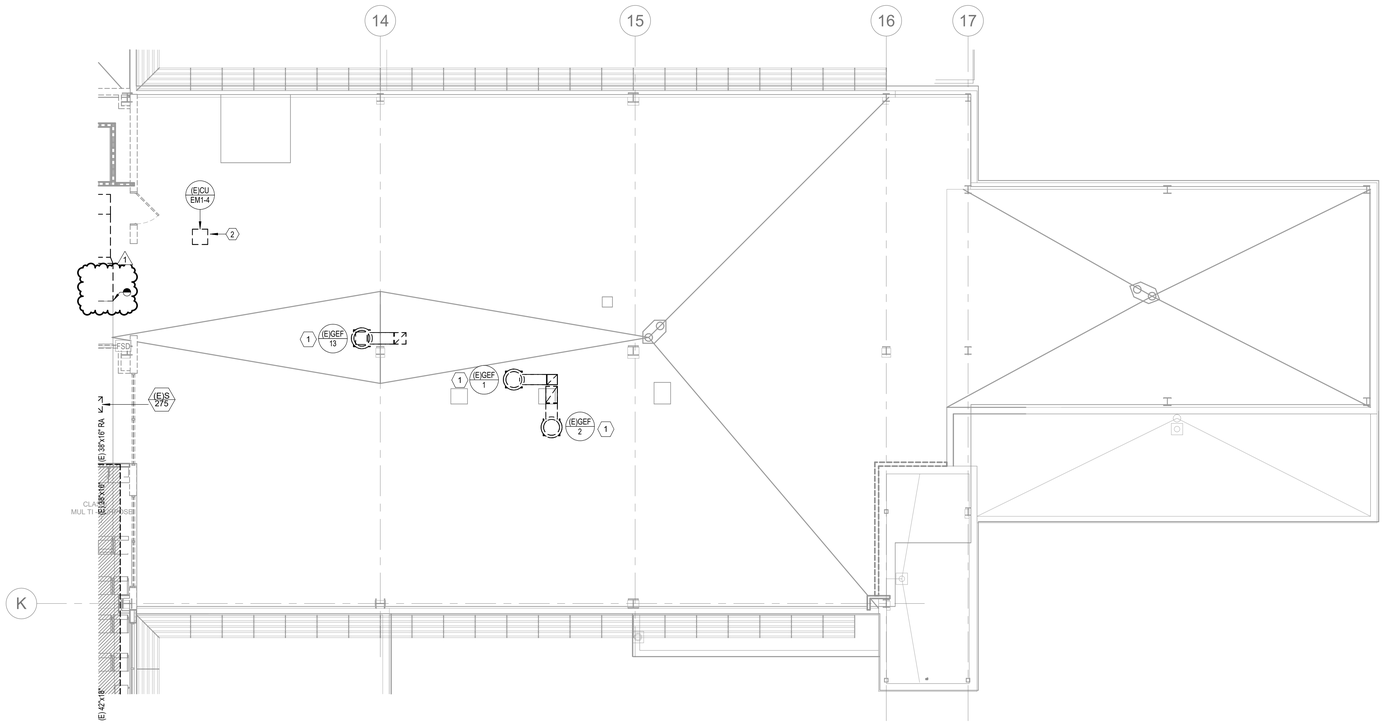
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL DEMO NOTES

A. REFER TO M00-00 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-TABBED CONSTRUCTION VALUES.

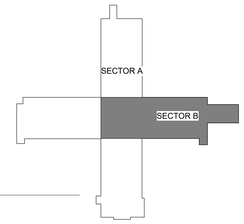
LEGEND NOTES

1. DEMOLISH EXHAUST FAN AND ASSOCIATED DUCTWORK THROUGH ROOF. PREPARE EXHAUST DUCTWORK FOR NEW CONNECTION SHOWN ON NEW WORK SHEETS.
2. DEMOLISH CONDENSING UNIT AND ASSOCIATED HVAC ACCESSORIES. PROVIDE TEMPORARY COOLING FOR ROOM(S) SERVED BY CONDENSING UNIT.



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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT NUMBER PE-2021059309
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

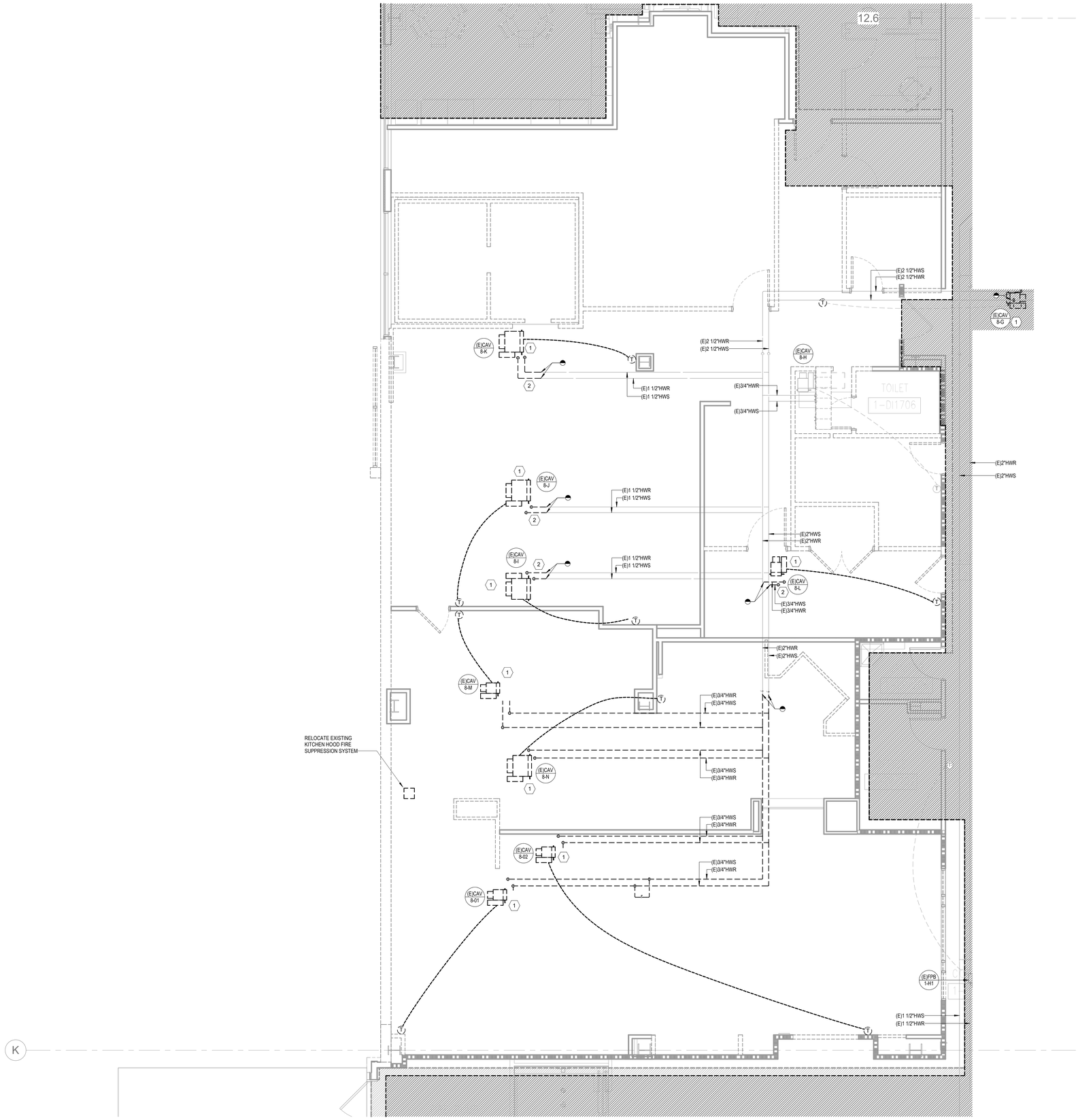
DATE:	05/23/2025
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

DEMOLITION PLAN - LEVEL 03 - SECTOR B HVAC

MD02-03B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ry23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/3/2025 1:17:56 PM



2 DEMOLITION PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - HVAC PIPING
1/4" = 1'-0"

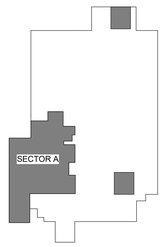
GENERAL DEMO NOTES

A. REFER TO M00-00 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 PIPE SIZES ON PLAN ARE PER THE DESIGN DOCUMENTS PROVIDED.
D. CONTRACTOR TO PRE-TAB ALL SUPPLY AND RETURN PIPING SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TABBED CONSTRUCTION VALUES.

LEGEND NOTES

1. DEMOLISH CAV BOX, THERMOSTAT AND CONTROL WIRING. DEMOLISH ASSOCIATED PIPING BACK TO LOCATIONS INDICATED AND PREPARE FOR NEW CONNECTION.
2. DEMOLISH HEATING HOT WATER PIPING UP TO ISOLATION VALVES. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF VALVES.
3. DEMOLISH CAV BOX, THERMOSTAT AND CONTROL WIRING. DEMOLISH ASSOCIATED PIPING BACK TO LOCATIONS INDICATED AND CAP.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

MD03-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:36 PM

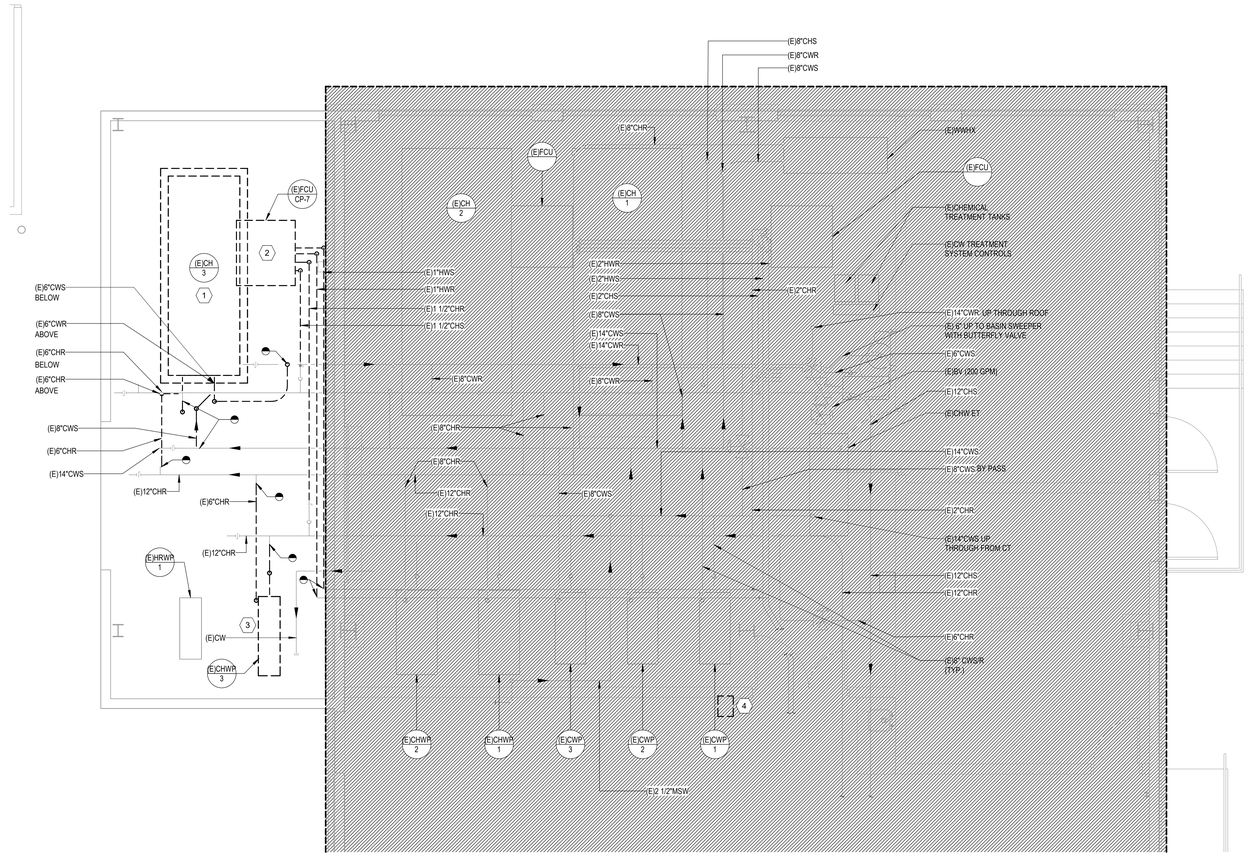
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL DEMO NOTES

A. REFER TO M00-00 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 PIPE SIZES ON PLAN ARE PER THE DESIGN DOCUMENTS PROVIDED.
D. CONTRACTOR TO PRE-TAB ALL SUPPLY AND RETURN PIPING SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TABBED CONSTRUCTION VALUES.

LEGEND NOTES

1. REMOVE CHILLER AND RETURN TO OWNER. DEMOLISH CHILLED WATER SUPPLY AND RETURN AND CONDENSER WATER SUPPLY AND RETURN PIPING BACK TO HEADERS AND PREPARE FOR NEW CONNECTIONS TO NEW CHILLER. CONTRACTOR SHALL COORDINATE NEW HOT TAPS AS REQUIRED.
2. DEMOLISH EXISTING FCU AND ASSOCIATED PIPING, ACCESSORIES/FITTINGS, INSULATION, VALVES, SUPPORTS, ELECTRICAL, CONTROL WIRING ETC. PREPARE PIPING FOR NEW CONNECTIONS.
3. DEMOLISH CHILLED WATER PUMP AND ASSOCIATED VFD. DEMOLISH CHILLED WATER RETURN LINES AND RETURN PIPING BACK TO HEADERS AND PREPARE FOR NEW CONNECTIONS TO NEW PUMP.
4. DEMOLISH EXISTING ESTOP FOR CH-1, CH-2, AND CH-3. SEE NEW WORK PLAN FOR REPLACEMENT ESTOP.



1 DEMOLITION PLAN - LEVEL 01 - SECTOR C - HVAC PIPING
1/4" = 1'-0"

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

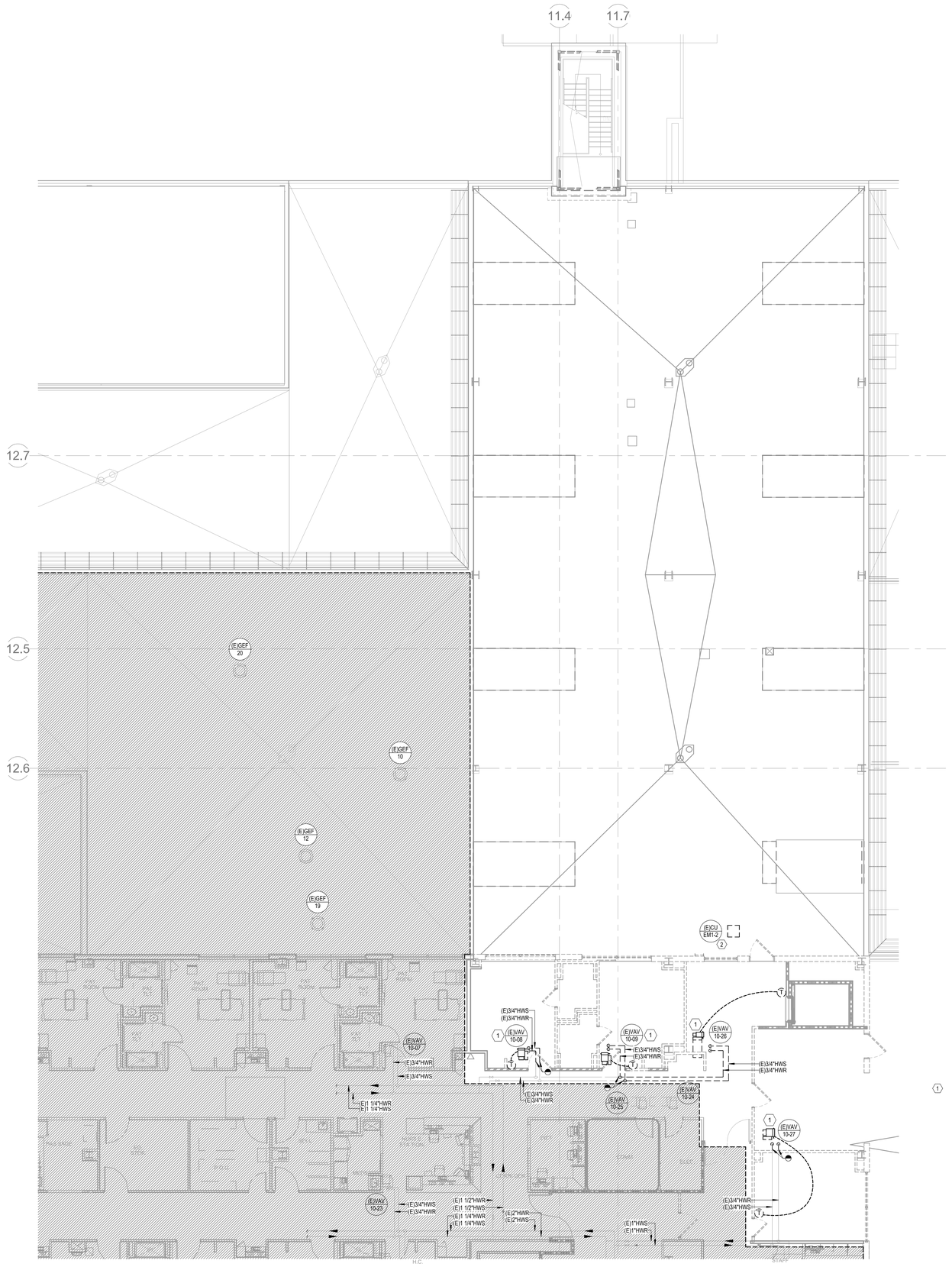
DATE:	2024/12/05
SCALE:	As indicated
DRAWN:	HO
REVIEWED:	ID
JOB NUMBER:	6406.24

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

MD03-01C

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.

12/4/2024 6:05:37 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt



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

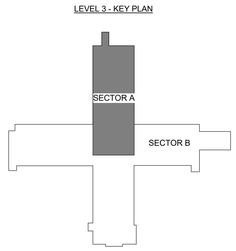
GENERAL DEMO NOTES

A. REFER TO M00-00 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 PIPE SIZES ON PLAN ARE PER THE DESIGN DOCUMENTS PROVIDED.
D. CONTRACTOR TO PRE-TAB ALL SUPPLY AND RETURN PIPING SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TABBED CONSTRUCTION VALUES.

LEGEND NOTES

1. DEMOLISH VAV BOX, THERMOSTAT, AND CONTROL WIRING. DEMOLISH ASSOCIATED PIPING BACK TO LOCATIONS INDICATED AND PREPARE FOR NEW CONNECTION.
2. DEMOLISH CONDENSING UNIT AND ASSOCIATED PIPING.

LEVEL 3 - KEY PLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309 STATE OF MISSOURI PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

DEMOLITION PLAN - LEVEL 03 - SECTOR A HVAC PIPING

MD03-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

12/4/2024 6:05:37 PM

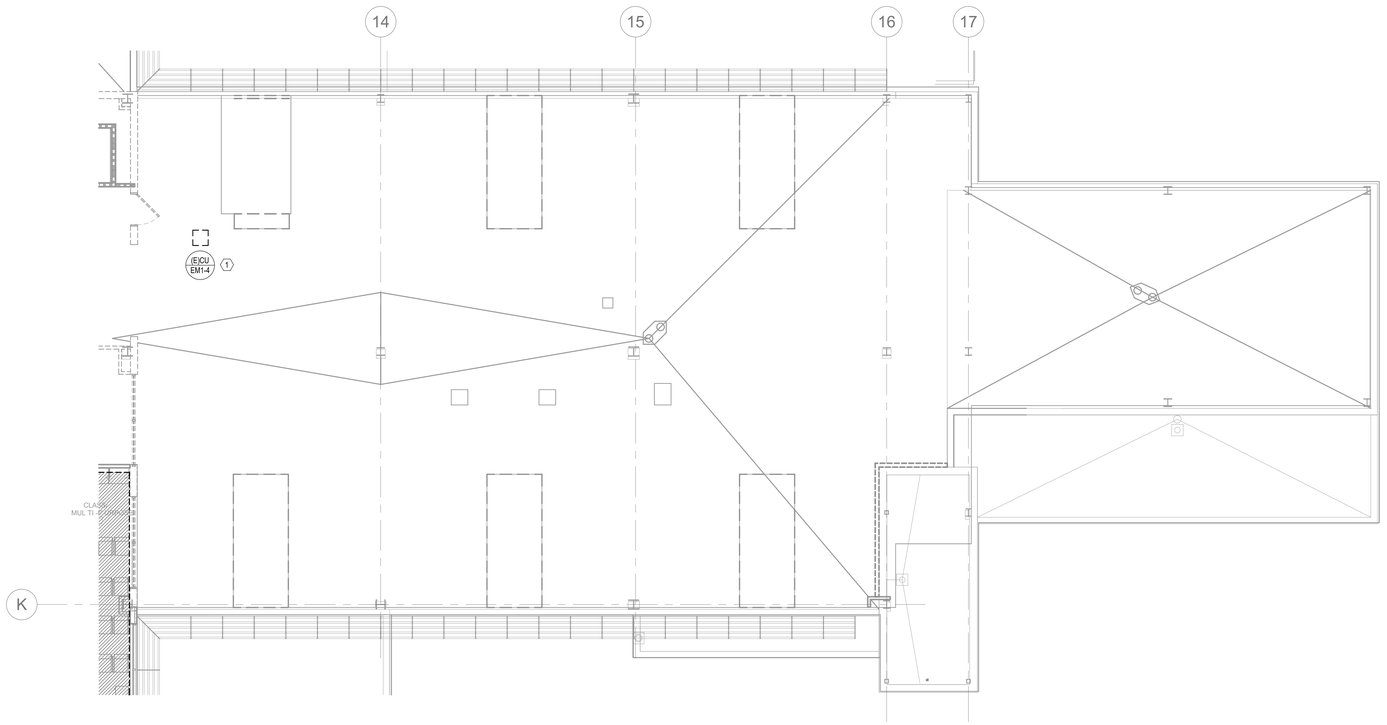
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL DEMO NOTES

A. REFER TO M00-00 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 PIPE SIZES ON PLAN ARE PER THE DESIGN DOCUMENTS PROVIDED.
D. CONTRACTOR TO PRE-TAB ALL SUPPLY AND RETURN PIPING SERVED BY EXISTING SYSTEMS MODIFIED AS A PART OF THIS SCOPE. CONTRACTOR TO DOCUMENT PRECONSTRUCTION VALUES AND PROVIDE TO ENGINEER OF RECORD. UPON COMPLETION OF CONSTRUCTION, REBALANCE ALL EXISTING AREAS TO PRE-TABBED CONSTRUCTION VALUES.

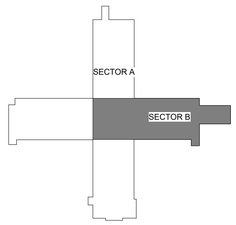
LEGEND NOTES

1. DEMOLISH CONDENSING UNIT AND ASSOCIATED PIPING.



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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

DEMOLITION PLAN - LEVEL 03 - SECTOR B HVAC PIPING

MD03-03B

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://6406.24 - HCA - Lee'S Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:37 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

BMS INPUT/OUTPUT POINTS LIST

POINT DESCRIPTION	DESIGNATION	QUANTITY	GRAPHIC DISPLAY	HARDWARE: OUTPUT: DIGITAL: DAMPER OPEN/CLOSE	OUTPUT: DIGITAL: START/STOP	OUTPUT: DIGITAL: ENABLE/ON	OUTPUT: DIGITAL: FORCE OFF	OUTPUT: DIGITAL: ENABLE/DISABLE	OUTPUT: ANALOG: DAMPER CONTROL	OUTPUT: ANALOG: VALVE CONTROL	OUTPUT: ANALOG: CONTROL (MODULATING)	INPUT: DIGITAL: CONTACT (NO/NC)	INPUT: DIGITAL: END SWITCH (ESO, ESC)	INPUT: DIGITAL: DIFFERENTIAL PRESS (DPS)	INPUT: DIGITAL: RELAY CONTACTS	INPUT: DIGITAL: PRESSURE (PS)	INPUT: DIGITAL: FLOW SWITCH (FS)	INPUT: DIGITAL: HAND SWITCH	INPUT: DIGITAL: AUX CONTACTS	INPUT: DIGITAL: STATUS	INPUT: DIGITAL: ALARM	INPUT: ANALOG: TEMPERATURE (DB)	INPUT: ANALOG: RELATIVE HUMIDITY (HT)	INPUT: ANALOG: DIFFERENTIAL PRESS (DPT)	INPUT: ANALOG: PRESSURE (PT)	INPUT: ANALOG: FLOW (PA,FAPS)	INPUT: ANALOG: KW	INPUT: ANALOG: DEMT KW/KWH	INPUT: ANALOG: VFD/TT REFERENCE	INPUT: ANALOG: SPEEDPOS, FEEDBACK	INPUT: ANALOG: PULSE	SOFTWARE: ALARMS: STATUS FAILURE	ALARMS: HIGH LIMIT	ALARMS: LOW LIMIT	ALARMS: SMOKE	ALARMS: MAINTENANCE	CALCULATED VALUE: KW	CALCULATED VALUE: BTUH	CALCULATED VALUE: CFM	CALCULATED VALUE: OTHER	PROGRAMS: RUN TIME HRS	PROGRAMS: SCHEDULED START/STOP	PROGRAMS: AUTO RESTART	PROGRAMS: DEMAND LIMITING	PROGRAMS: LEAD/LAG	PROGRAMS: RUN TIME TOTALIZATION	PROGRAMS: FAIL MODE (CLOSED)	PROGRAMS: FAILED MODE (OPEN)	PROGRAMS: TREND LOGGING
SLAB TEMPERATURE	T-SL	1	X																			X																						
PERCIPITATION SENSOR	H-SL	2	X																				X																						
CURRENT DRAW	CD	1	X																								X																	
GENERAL ALARMS	ALM	1	X																															X										X
GROUND FAULT	GF	1	X																																									
START/STOP	S/S	1	X	X																																				X	X				
OUTSIDE AIR TEMPERATURE	T-OA	1	X																			X																						

ELECTRIC SNOWMELT SYSTEM SEQUENCE:
SYSTEM TO BE ENABLED WHEN THE SLAB TEMPERATURE IS BELOW 38°F (ADJ.), AND THE MANUFACTURER'S PRECIPITATION SENSOR DETECTS PRECIPITATION. SYSTEM TO BE DISABLED WHEN THE OUTSIDE AIRTEMPERATURE RISES ABOVE 40° (ADJ.), AND WHEN THE PRECIPITATION SENSOR NO LONGER DETECTS PRECIPITATION. SYSTEM TO HAVE AN OVERRIDE FOR ON OR OFF BY THE OPERATOR AT THE OPERATOR INTERFACE VIA A GRAPHIC ICON.

SNOW MELT OPERATOR TO HAVE AUTOMATIC CONTROLS CAPABLE OF SHUTTING OFF THE SYSTEM WHEN THE SLAB TEMPERATURE IS ABOVE 50°F AND NO PRECIPITATION IS FALLING OR IF THE OUTSIDE AIR TEMPERATURE IS ABOVE 40°F, TO MEET ENERGY CODE REQUIREMENTS.

THE FOLLOWING POINTS SHALL BE AVAILABLE THROUGH BACNET COMMUNICATION INTERFACE (PROVIDED WITH EACH ELECTRIC SNOWMELT SYSTEM):
A. SLAB TEMPERATURE
B. GROUND FAULT
C. CURRENT DRAW
D. GENERAL ALARMS
E. PRECIPITATION SENSOR
F. OUTSIDE AIR TEMPERATURE

② ELECTRIC SNOW MELT SYSTEM SEQUENCE OF OPERATION
NOT TO SCALE

ELECTRIC SNOW MELT AND ANTI-ICE SYSTEM

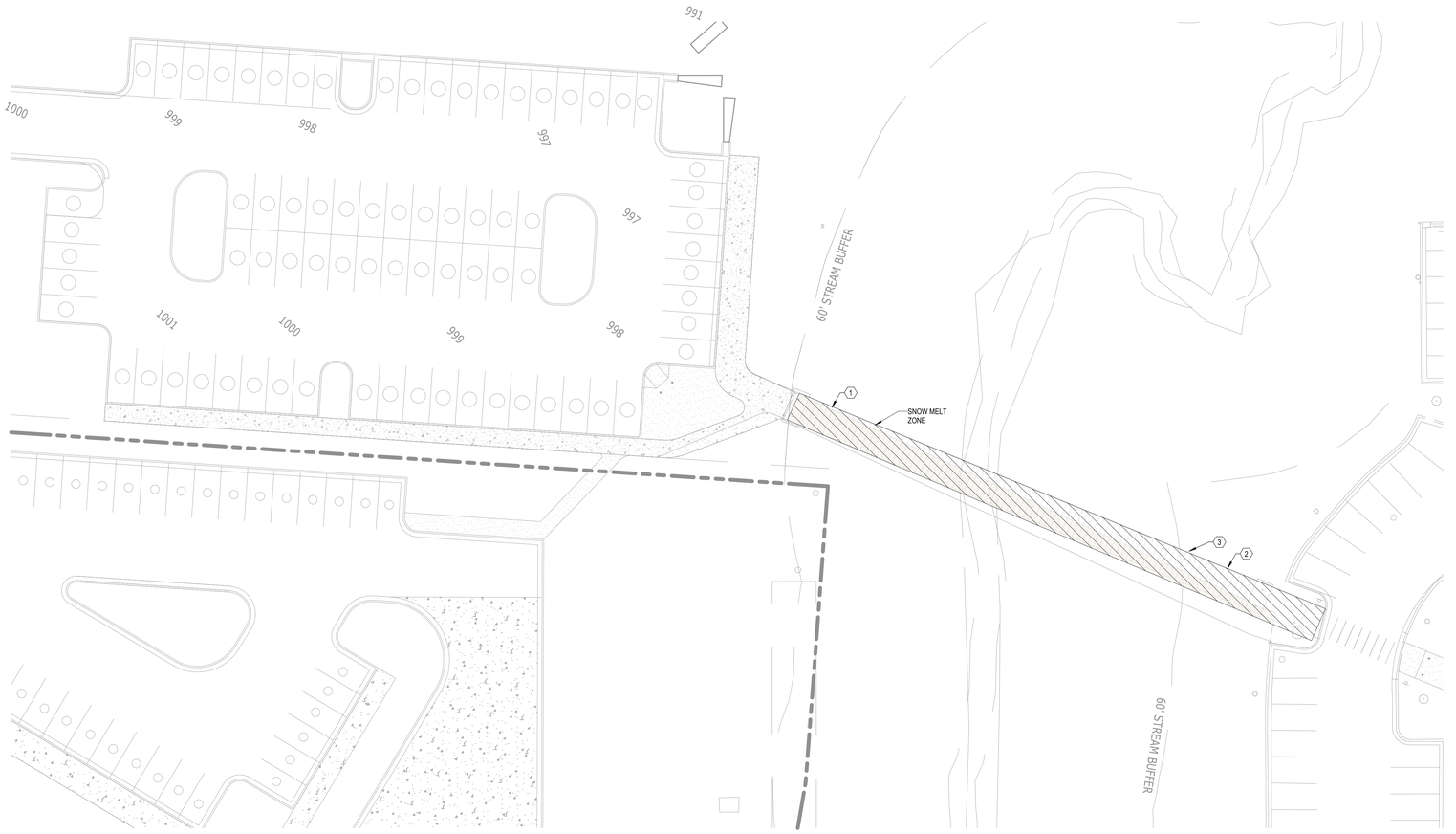
MANUFACTURER	V/PH	W/SF	# OF CONTROL PANELS
PRO LINE	460/3	50	1

NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

(#) LEGEND NOTES

1. PROVIDE ELECTRIC SNOW MELT AND ANTI-ICE SYSTEM (APPROX. 2300 SF) CAST INTO WALKWAY, TO COVER FULL BRIDGE AREA. REFER TO ARCH AND CIVIL DRAWINGS AND DETAILS. SELF-REGULATING HEAT CABLING, DESIGNED FOR MINIMUM 50W/SF. CONTRACTOR TO FULLY COORDINATE LAYOUT, AROUND EXISTING AND NEW COLUMNS AND ALL OTHER ELEMENTS IN CONCRETE POUR. ENSURE COORDINATION AMONGST ALL TRADES AND PROTECT WIRING FROM DAMAGE THROUGHOUT CONSTRUCTION, ESPECIALLY DURING INSTALLATION.
2. APPROX. LOCATION FOR IN-SLAB SNOW/ICE SENSOR. PROVIDE ALL COMPONENTS FOR STANDALONE CONTROLS OF SNOWMELT SYSTEM, W/ BAS MONITORING. REFER TO CONTROL SEQUENCE.
3. PROVIDE SNOWMELT CONTROLLER MOUNTED TO UNISTRUT ASSEMBLY. REFER TO ARCH DRAWINGS FOR CONTROLLER LOCATION. COORDINATE ALL CONDUITS AND WIRING IN SLAB, BETWEEN THIS LOCATION AND IN SLAB SNOWMELT FOR POWER AND CONNECTION TO BAS.



① SITE PLAN - MECHANICAL
1" = 20'-0"

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

SITE & BRIDGE EARLY RELEASE PACKAGE

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

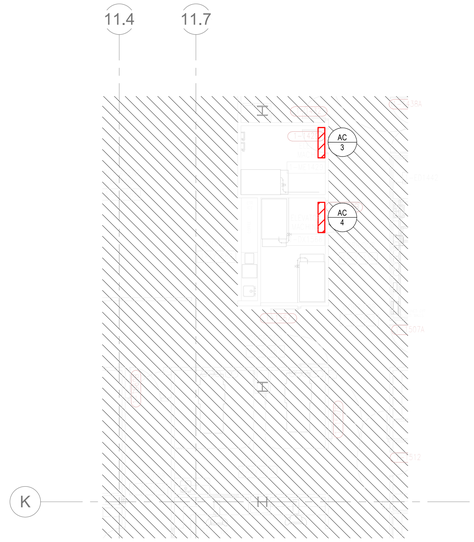
REVISIONS		
REV #	DESCRIPTION	DATE

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

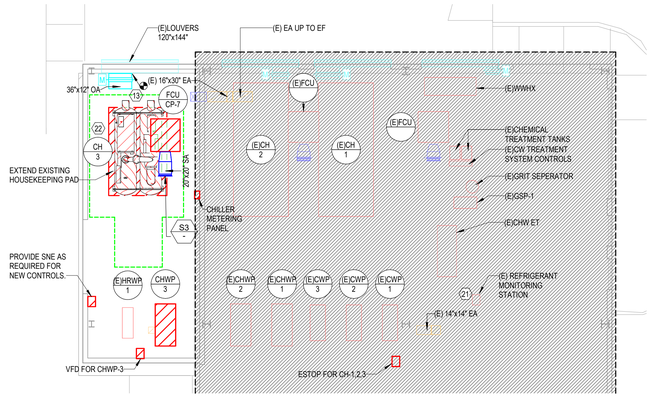
SITE PLAN - MECHANICAL PLAN

M02-00

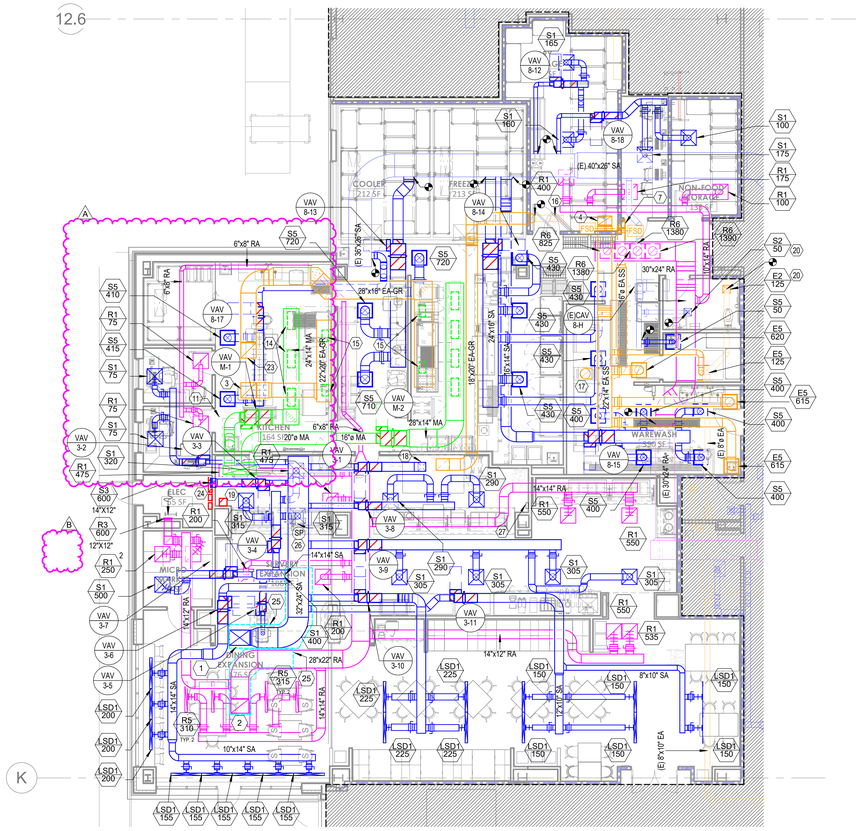
12/4/2024 6:08:00 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt



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



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



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

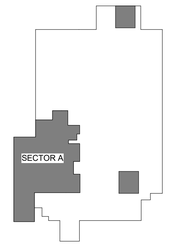
GENERAL NOTES

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

LEGEND NOTES

1. 32"x24" SA DUCT UP TO RTU-3 ON ROOF.
2. 28"x22" RA DUCT UP TO RTU-3 ON ROOF.
3. 24"x24" EA DUCT UP TO KEF-2. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
4. 22"x14" STAINLESS STEEL EA DUCT UP TO KEF-5.
5. ------NOT USED------
6. ------NOT USED------
7. 16"x12" STAINLESS STEEL EA DUCT UP TO KEF-3.
8. ------NOT USED------
9. ------NOT USED------
10. ------NOT USED------
11. 52"x14" MA DUCT UP TO MAU-1.
12. ------NOT USED------
13. PROVIDE 36"X12" DUCT WITH MOTORIZED DAMPER. PROVIDE SHEET METAL TO COVER REMAINDER OF LOUVER OPENING. CONNECT MOTORIZED DAMPER TO REFRIGERANT MONITORING SYSTEM TO BE CONTROLLED THE SAME AS EXISTING LOUVER DAMPERS.
14. CONNECT MAKE UP AIR TO KITCHEN HOOD. PROVIDE DUCT SIZE AND BALANCE CFM.
15. CONNECT GREASE EXHAUST TO KITCHEN HOOD. PROVIDE DUCT SIZE AND BALANCE CFM.
16. 10"X20" EXISTING EA DUCT UP TO NEW KEF-4. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
17. CONNECT STAINLESS STEEL EXHAUST TO DISHWASHER.
18. 1000 CFM OF MAKEUP AIR TO KITCHEN HOOD. CONNECT TO EXISTING MAKEUP AIR CONNECTION.
19. RELOCATED EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM.
20. BALANCE NEW DIFFUSER/GRILLE TO CFM SHOWN.
21. MODIFY OR RECALIBRATE REFRIGERANT MONITORING STATION AS NEEDED FOR NEW SENSOR AT CH-3.
22. CONNECT CH-3 TO EXISTING REFRIGERANT MONITORING ALARM SYSTEM. PROVIDE NEW HORNS AND STROBES.
23. 24"x24" EA DUCT UP TO KEF-1. GREASE EXHAUST TO HAVE TWO HOUR RATED FIRE WRAP.
24. VFDS FOR KEF-1, KEF-2, KEF-4, AND KEF-5. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND LABELS.
25. PROVIDE SOUND LAGGING FOR 15' OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO RTU AS SHOWN WITH DASHED LINE. REFER TO DETAIL 01/M07-02.
26. PROVIDE STATIC PRESSURE SENSOR FOR RTU-3.
27. PROVIDE EPO BUTTON FOR RTU-3.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

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.

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

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

M02-01

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:26:56 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

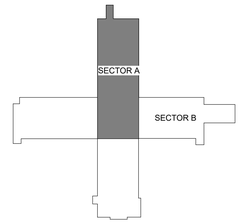
GENERAL NOTES

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

LEGEND NOTES

1. 12"x12" UP TO GEF-15 ON ROOF.
2. 14"x14" UP TO GEF-14 ON ROOF.
3. (E)16"x14" DOWN TO BELOW FLOOR.
4. 20"x10" UP TO GEF-8 ON ROOF.
5. REBALANCE NEW EXHAUST DUCTWORK TO EXISTING AIRFLOW AFTER NEW CONSTRUCTION.
6. CONNECT NEW EXHAUST DUCT TO EXISTING EXHAUST RISER. CONNECTION POINT JUST ABOVE EXISTING EXHAUST TAPS.
7. PROVIDE FIRE SMOKE DAMPER AT RATED BOTTOM OF SHAFT ASSEMBLY.

LEVEL 2 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 02 - SECTOR A HVAC

M02-02A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:08:07 PM

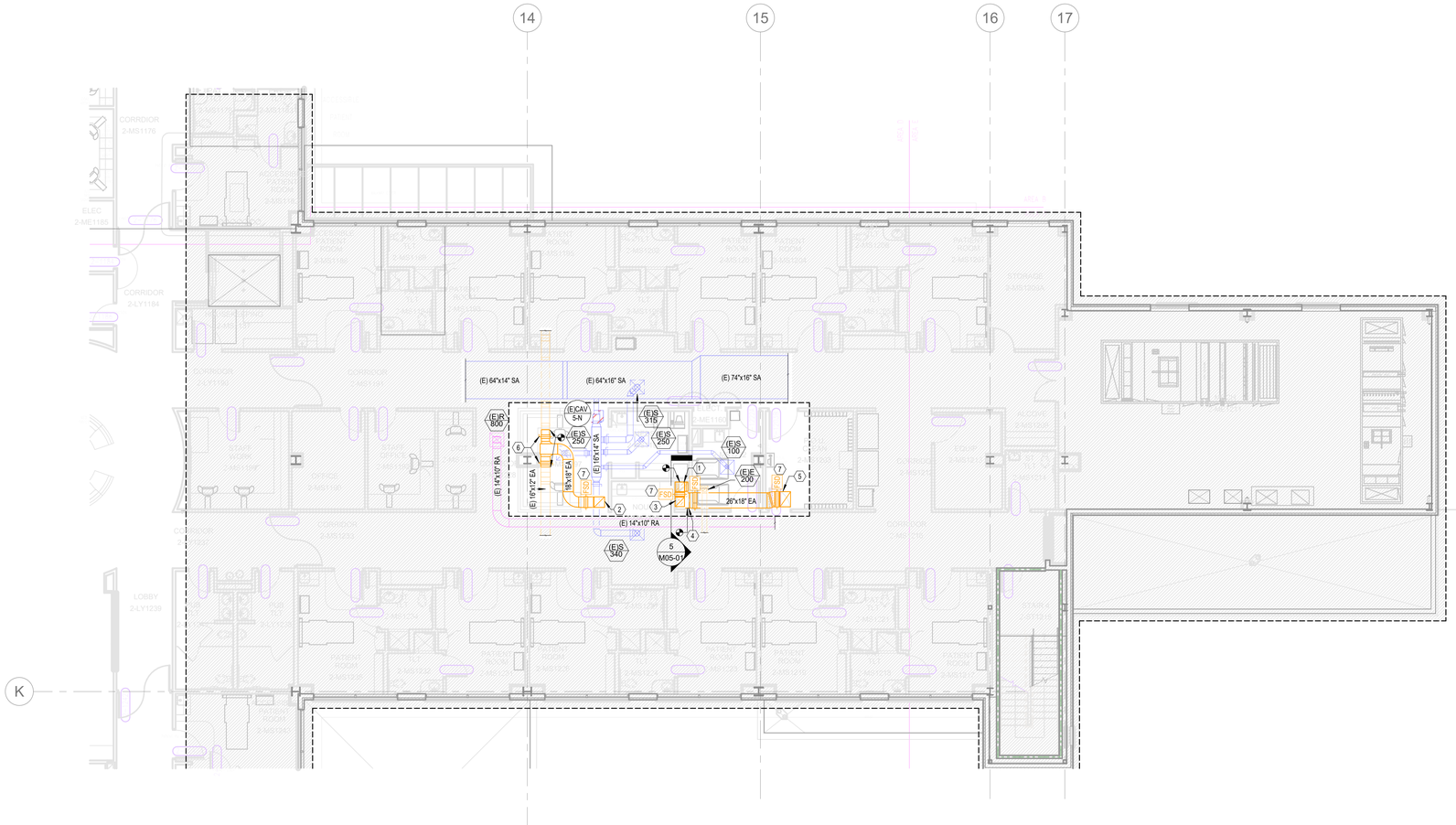
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

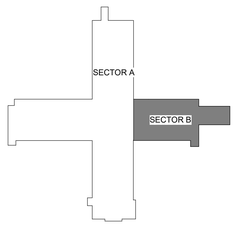
LEGEND NOTES

1. (E)16"x16" DOWN TO FLOOR BELOW.
2. 18"x18" UP TO GEF-13 ON ROOF.
3. 16"x16" UP TO GEF-1 ON ROOF.
4. (E)26"x18" DOWN TO FLOOR BELOW.
5. 26"x18" UP TO GEF-2 ON ROOF.
6. REBALANCE NEW EXHAUST DUCTWORK TO EXISTING AIRFLOW AFTER NEW CONSTRUCTION.
7. PROVIDE FIRE SMOKE DAMPER AT RATED BOTTOM OF SHAFT ASSEMBLY.



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

LEVEL 2 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 02 - SECTOR B HVAC

M02-02B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:08:08 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

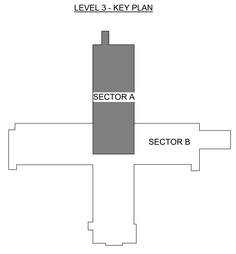
GENERAL NOTES

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

LEGEND NOTES

1. 14"x10" ISO EA UP TO ROOF.
2. 26"x12" EA DUCT UP TO EF ON ROOF ABOVE.
3. CONNECT SUPPLY TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
4. CONNECT EXHAUST TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
5. 20"x10" UP TO GEF-9 ON ROOF.
6. 12"x12" UP TO GEF-15 ON ROOF.
7. 14"x14" UP TO GEF-14 ON ROOF.
8. 26"x14" UP TO GEF-29 ON ROOF.
9. PROVIDE SOUND LAGGING FOR 15' OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO EXHAUST FAN AS SHOWN WITH DASHED LINE. REFER TO DETAIL 01/M07-02.
10. STATIC PRESSURE SENSOR FOR AHU-12.

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

JONATHAN DECKERT NUMBER PE-2021059309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

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

FLOOR PLAN - LEVEL 03 - SECTOR A HVAC

M02-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 9:16:16 AM

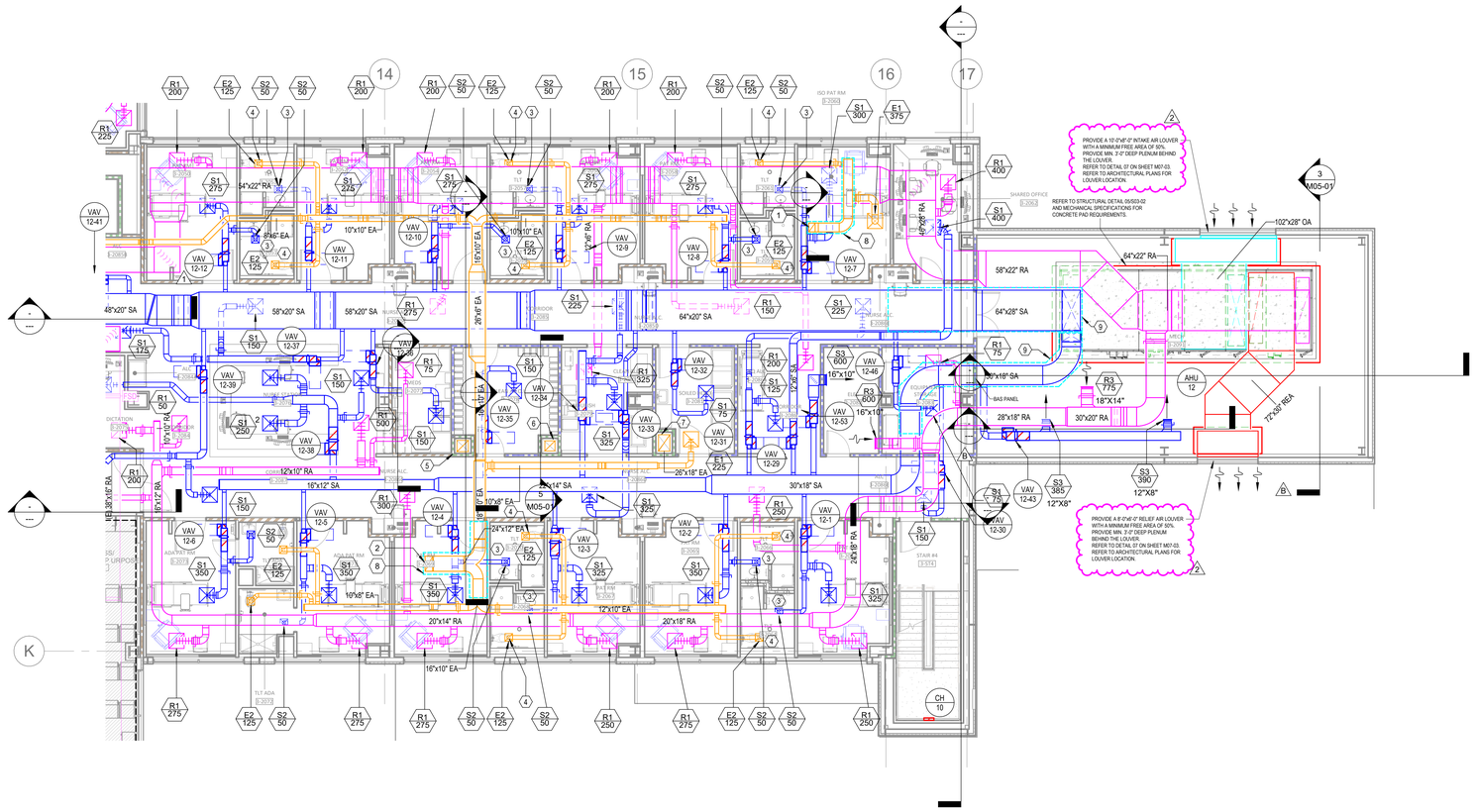
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

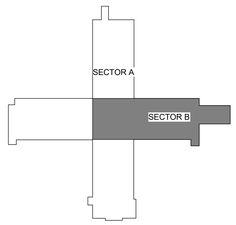
LEGEND NOTES

1. 14"x10" ISO EA DUCT UP TO IEF-02 ON ROOF.
2. 24"x12" EA DUCT UP TO GEF-30 ON ROOF.
3. CONNECT SUPPLY TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
4. CONNECT EXHAUST TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
5. 18"x18" EA DUCT UP TO GEF-13 ON ROOF.
6. 16"x16" EA DUCT UP TO GEF-1 ON ROOF.
7. 26"x18" EA DUCT UP TO GEF-2 ON ROOF.
8. PROVIDE SOUND LAGGING FOR 15' OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO EXHAUST FAN AS SHOWN WITH DASHED LINE. REFER TO DETAIL 01/M07-02.
9. PROVIDE SOUND LAGGING FOR 25' OF HORIZONTAL DUCT AND VERTICAL DUCT DOWN TO AHU AS SHOWN WITH DASHED LINE.



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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
PROFESSIONAL ENGINEER
07/30/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06
1	DESIGN COORDINATION	2025/06/06
2	DESIGN COORDINATION	2025/07/25

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

FLOOR PLAN - LEVEL 03 - SECTOR B HVAC

M02-03B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/23/2025 9:26:19 AM

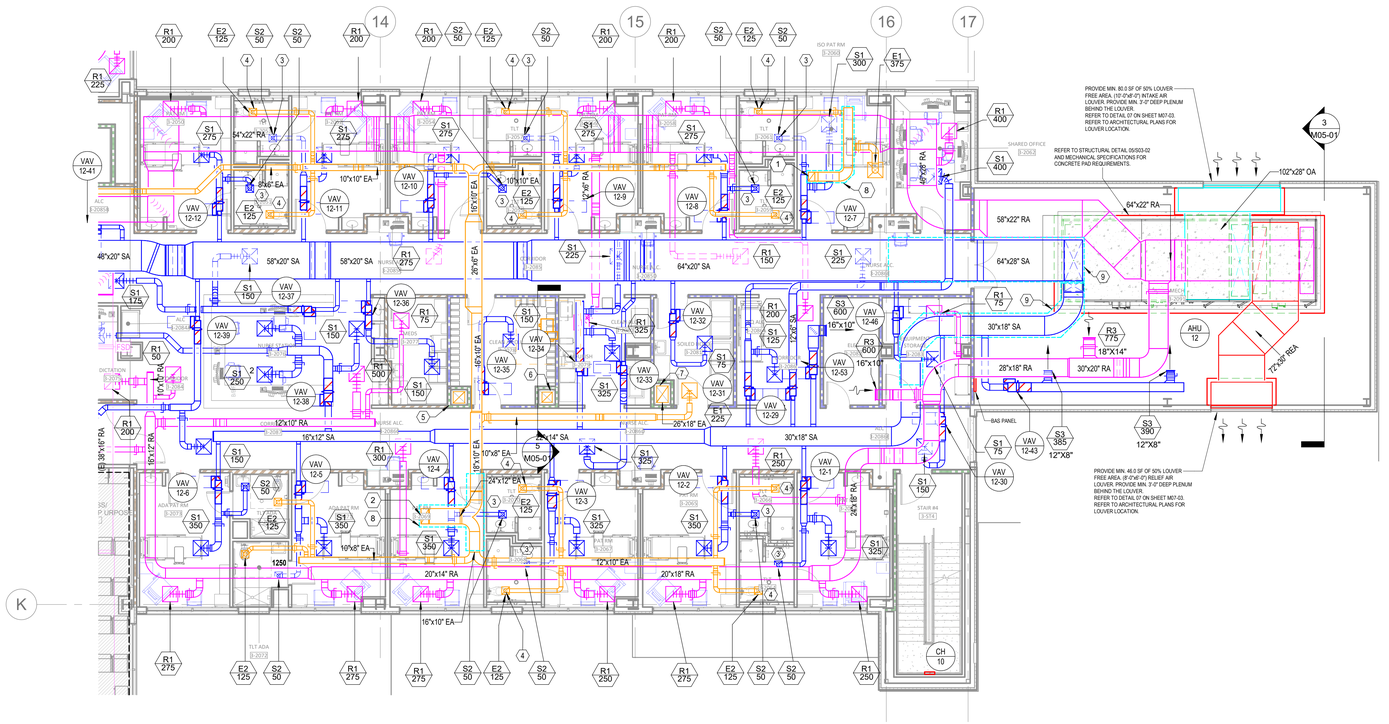
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

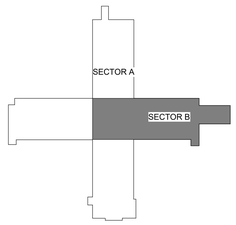
LEGEND NOTES

1. 14"x10" ISO EA. DUCT UP TO IEF-02 ON ROOF.
2. 24"x12" EA. DUCT UP TO GEF-30 ON ROOF.
3. CONNECT SUPPLY TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
4. CONNECT EXHAUST TO AIR DEVICE PROVIDED BY PRE-FABRICATED BATHROOM POD MANUFACTURER.
5. 18"x18" EA DUCT UP TO GEF-13 ON ROOF.
6. 16"x16" EA DUCT UP TO GEF-1 ON ROOF.
7. 26"x18" EA DUCT UP TO GEF-2 ON ROOF.
8. PROVIDE SOUND LAGGING FOR 15' OF HORIZONTAL DUCT AND VERTICAL DUCT UP TO EXHAUST FAN AS SHOWN WITH DASHED LINE. REFER TO DETAIL 01/M07-02.
9. PROVIDE SOUND LAGGING FOR 25' OF HORIZONTAL DUCT AND VERTICAL DUCT DOWN TO AHU AS SHOWN WITH DASHED LINE.



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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

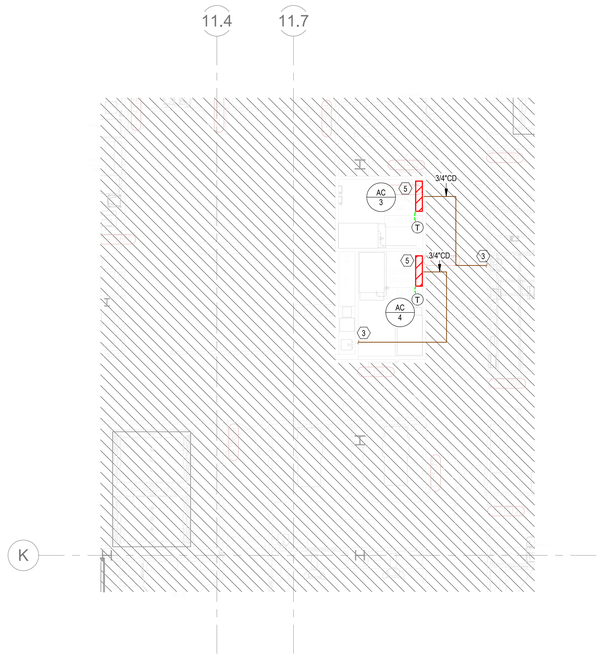
DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

FLOOR PLAN - LEVEL 03 - SECTOR B HVAC

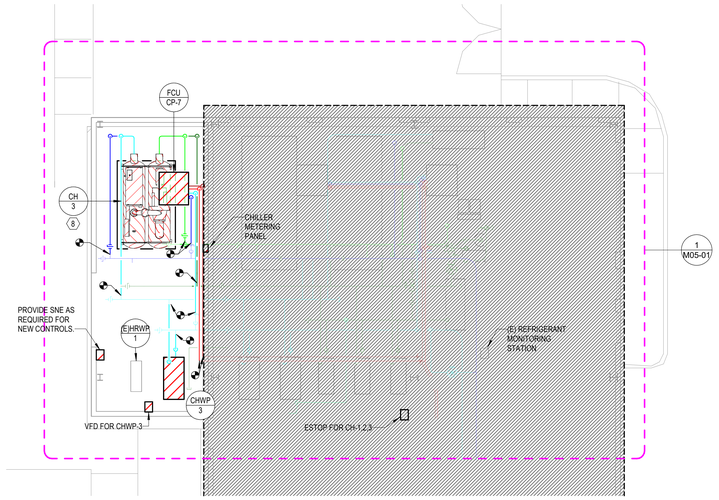
M02-03B

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.

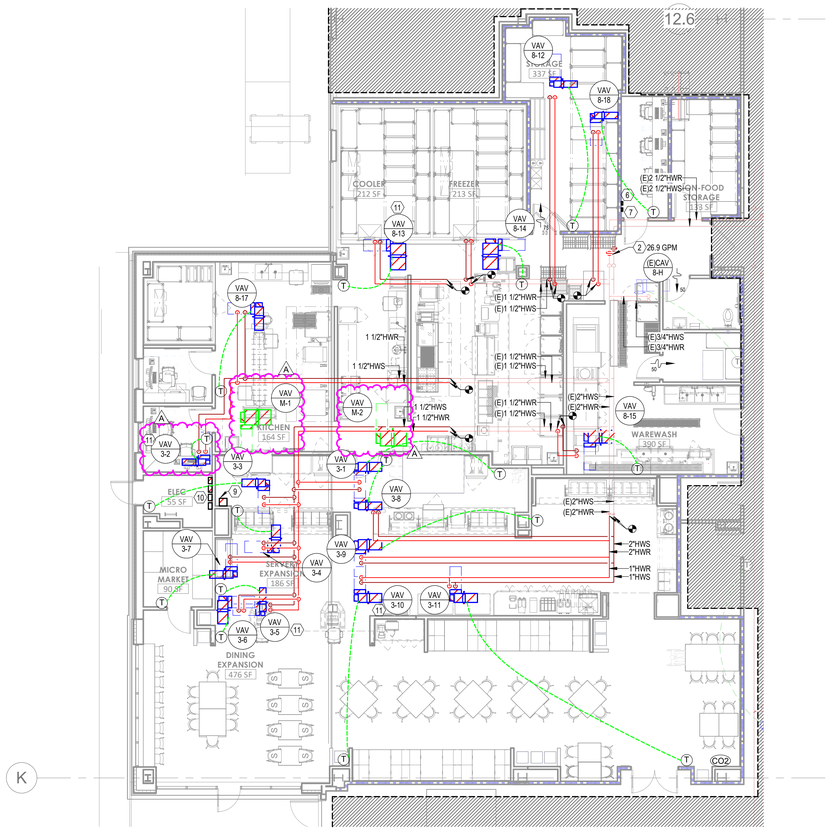
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:08:17 PM



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



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



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

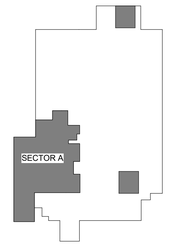
GENERAL NOTES

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

LEGEND NOTES

1. NOTE NOT USED.
2. DIFFERENTIAL PRESSURE CONTROL STATION BALANCED TO GPM INDICATED. REFER TO DETAIL 05/M07-03.
3. ROUTE 3/4" CONDENSATE DRAIN DOWN IN WALL AND DISCHARGE TO LAVATORY TAILPIECE WITH AIR GAP. PROVIDE ESCUTCHEON AT WALL PENETRATION.
4. NOT USED.
5. SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURER'S INSTRUCTIONS UP TO CONDENSING UNIT ON ROOF.
6. EPO SWITCH FOR NEW RTU-3.
7. EPO SWITCH FOR NEW MAU-1.
8. REFER TO CHILLER INSTALLATION DETAIL.
9. RELOCATED EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM.
10. VFDS FOR KEF-1, KEF-2, KEF-4, AND KEF-5. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND LABELS.
11. PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

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

M03-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:27:03 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

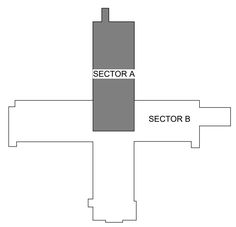
A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND LEGENDS.
B. ALL EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE BASED UPON A COMBINATION OF AVAILABLE RECORD DESIGN AND AS-BUILT DOCUMENTS.
C. PROVIDE CEILING ACCESS PANELS FOR ALL EQUIPMENT, COILS, ETC. THAT ARE LOCATED ABOVE HARD CEILINGS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

LEGEND NOTES

1. ROOM DIFFERENTIAL PRESSURE SENSOR AND MONITOR. SENSOR SHALL BE PLACED ABOVE THE DOOR AND MONITOR SHALL BE PLACED 48" ABOVE FINISHED FLOOR. SYSTEM COMPONENTS SHALL INCLUDE THE FOLLOWING: PRESSURE SENSORS, PRESSURE MONITOR, PRESSURE CABLE, TRANSFORMER CABLE AND TRANSFORMER.
2. CALIBRATED ORIFICE BALANCING VALVE BALANCED TO GPM INDICATED.
3. SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURER'S INSTRUCTIONS UP TO CONDENSING UNIT ON ROOF.
4. ROUTE 3/4" CONDENSATE DRAIN DOWN IN WALL AND DISCHARGE TO LAVATORY TAILPIECE WITH AIR GAP. PROVIDE ESCUTCHEON AT WALL PENETRATION.
5. AC THERMOSTAT SHALL BE SET 3 DEGREES HIGHER THAN THE VAV THERMOSTAT.
6. PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.
7. FIELD VERIFY LOCATION OF EXISTING DIFFERENTIAL PRESSURE CONTROL STATION SERVING HWS/R BRANCH. PROVIDE CIRCUIT SETTER IF EXISTING DIFFERENTIAL PRESSURE CONTROL STATION IS NO LONGER PLACE.

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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021059309
STATE OF MISSOURI
PROFESSIONAL ENGINEER
07/11/2025

WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

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

FLOOR PLAN - LEVEL 03 - SECTOR A HVAC PIPING

M03-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/3/2025 2:49:54 PM

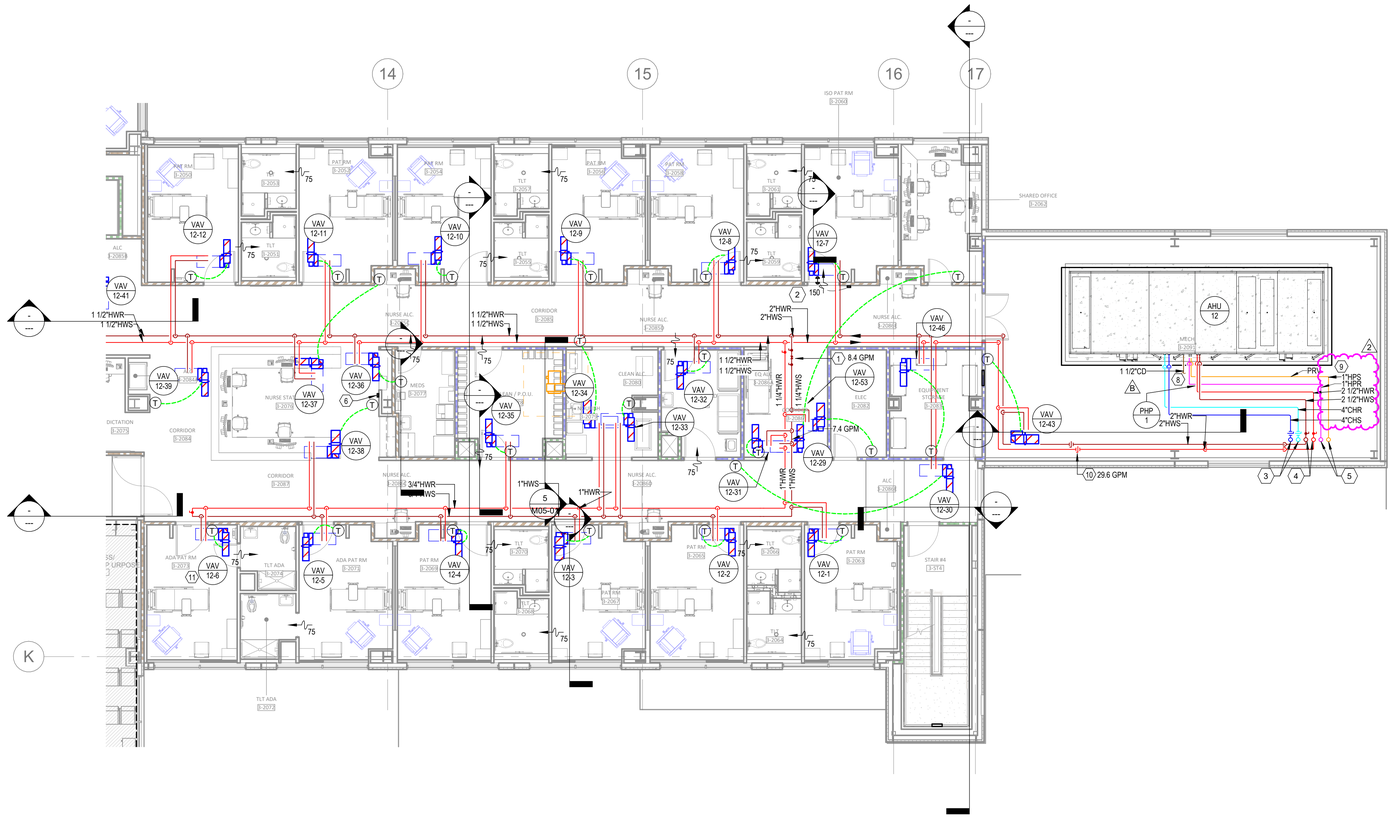
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

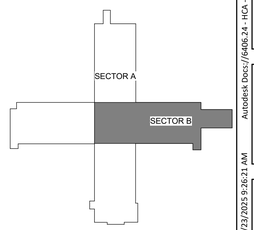
LEGEND NOTES

1. CALIBRATED ORIFICE BALANCING VALVE BALANCED TO GPM INDICATED.
2. ROOM DIFFERENTIAL PRESSURE SENSOR AND MONITOR. SENSOR SHALL BE PLACED ABOVE THE DOOR AND MONITOR SHALL BE PLACED 48 " ABOVE FINISHED FLOOR. SYSTEM COMPONENTS SHALL INCLUDE THE FOLLOWING: PRESSURE SENSORS, PRESSURE MONITOR, PRESSURE CABLE. TRANSFORMER CABLE AND TRANSFORMER.
3. 6" CHS/R PIPING FROM FLOOR BELOW. VALVE & CAP PIPING BELOW ROOF FOR FUTURE USE.
4. 4" HWS/R PIPING FROM FLOOR BELOW. VALVE & CAP PIPING BELOW ROOF FOR FUTURE USE.
5. 1" HPS AND 1-1/2" HPCR FROM FLOOR BELOW. VALVE & CAP PIPING BELOW ROOF FOR FUTURE USE.
6. PROVIDE EPO SWITCH FOR NEW AHU 12 HOT OSET.
7. TERMINATE AND AIR GAP CONDENSATE ABOVE FLOOR SINK LOCATED IN MECH ROOM 3-2091.
9. PROVIDE PRV FOR STEAM LINE SERVING HUMIDIFCATION SECTION. REFER TO DETAIL 3/M07-01.
10. DIFFERENTIAL PRESSURE CONTROL STATION BALANCED TO GPM INDICATED. REFER TO DETAIL 05/M07-03.
11. PROVIDE 3-WAY CONTROL VALVE FOR VAV AT THE END OF THE PIPING RUN.



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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

JONATHAN DECKERT NUMBER PE-2021039309 STATE OF MISSOURI PROFESSIONAL ENGINEER
07/30/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25

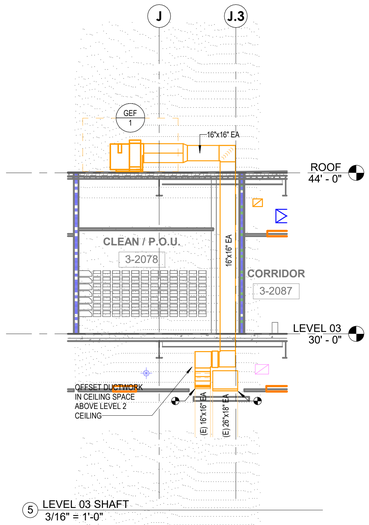
DATE:	05/23/2025
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

FLOOR PLAN - LEVEL 03 - SECTOR B HVAC PIPING

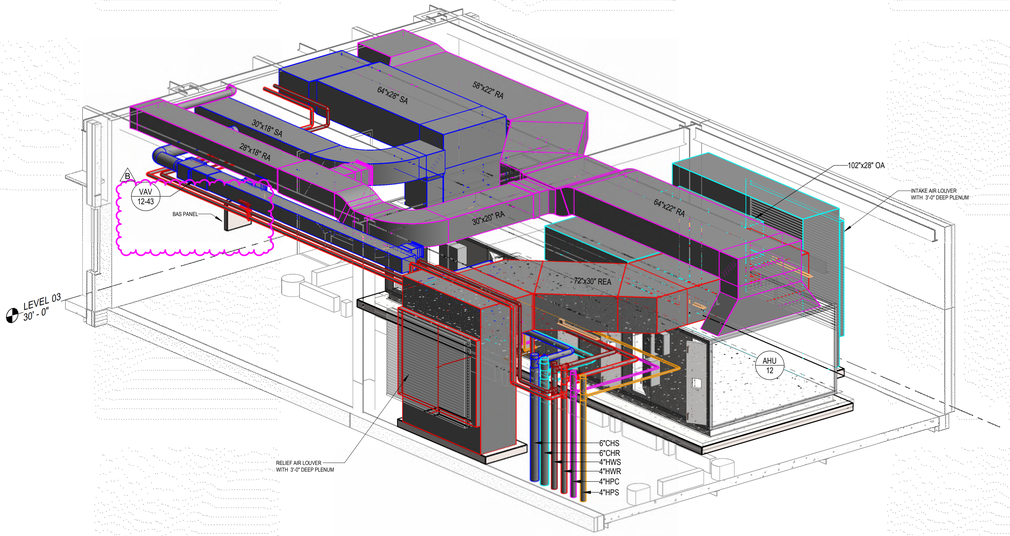
M03-03B

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.

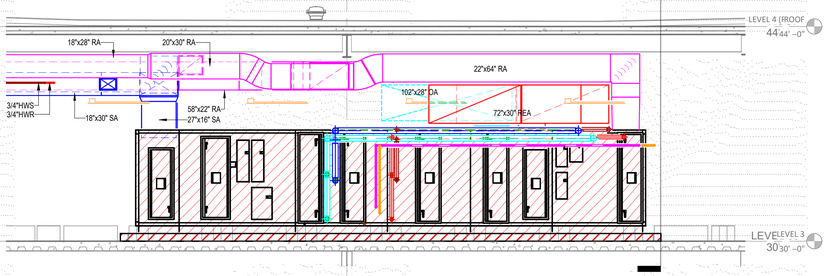
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/NEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/23/2025 9:26:21 AM



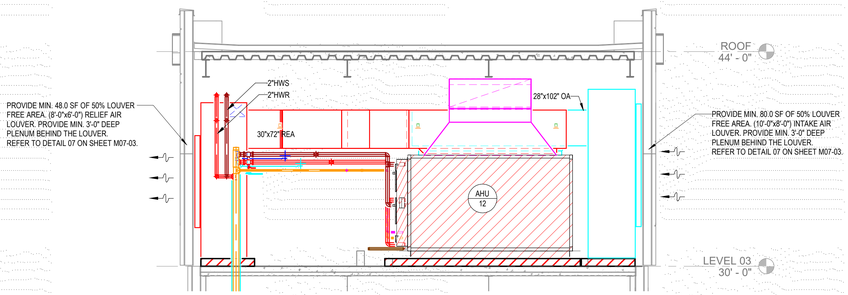
5 LEVEL 03 SHAFT
3/16" = 1'-0"



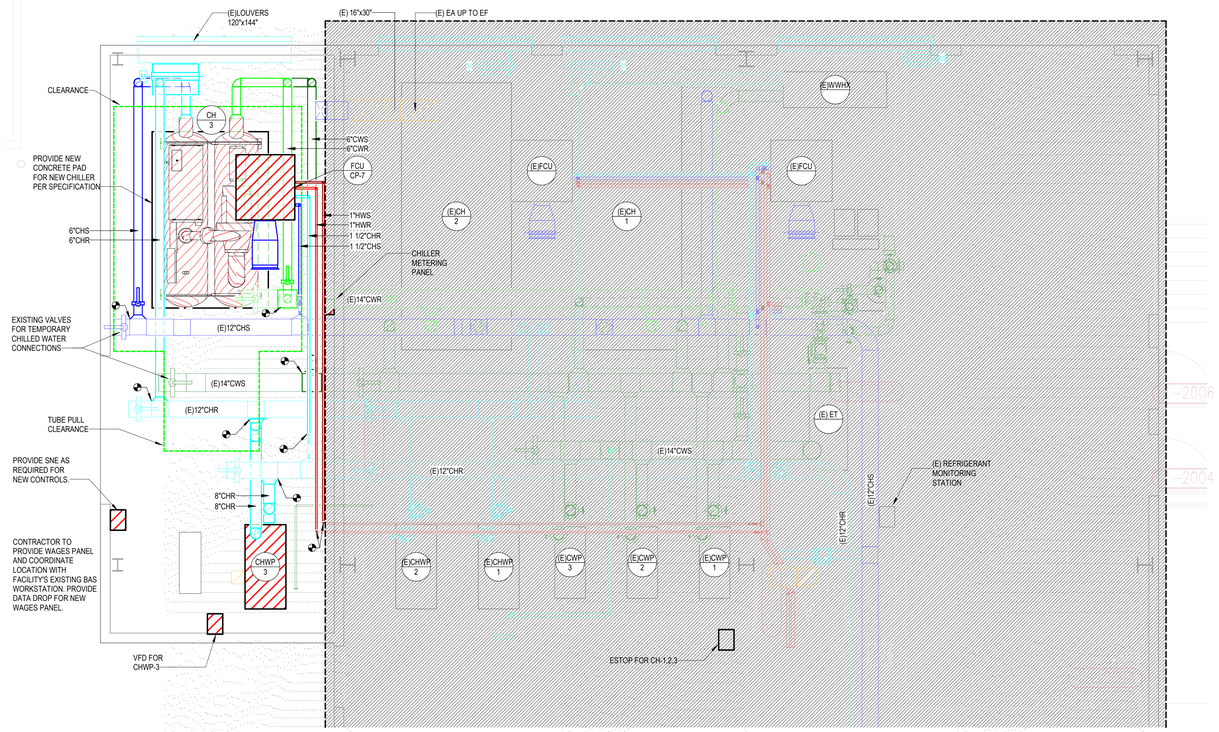
2 MECH ROOM 3D VIEW



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



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



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

GENERAL NOTES

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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

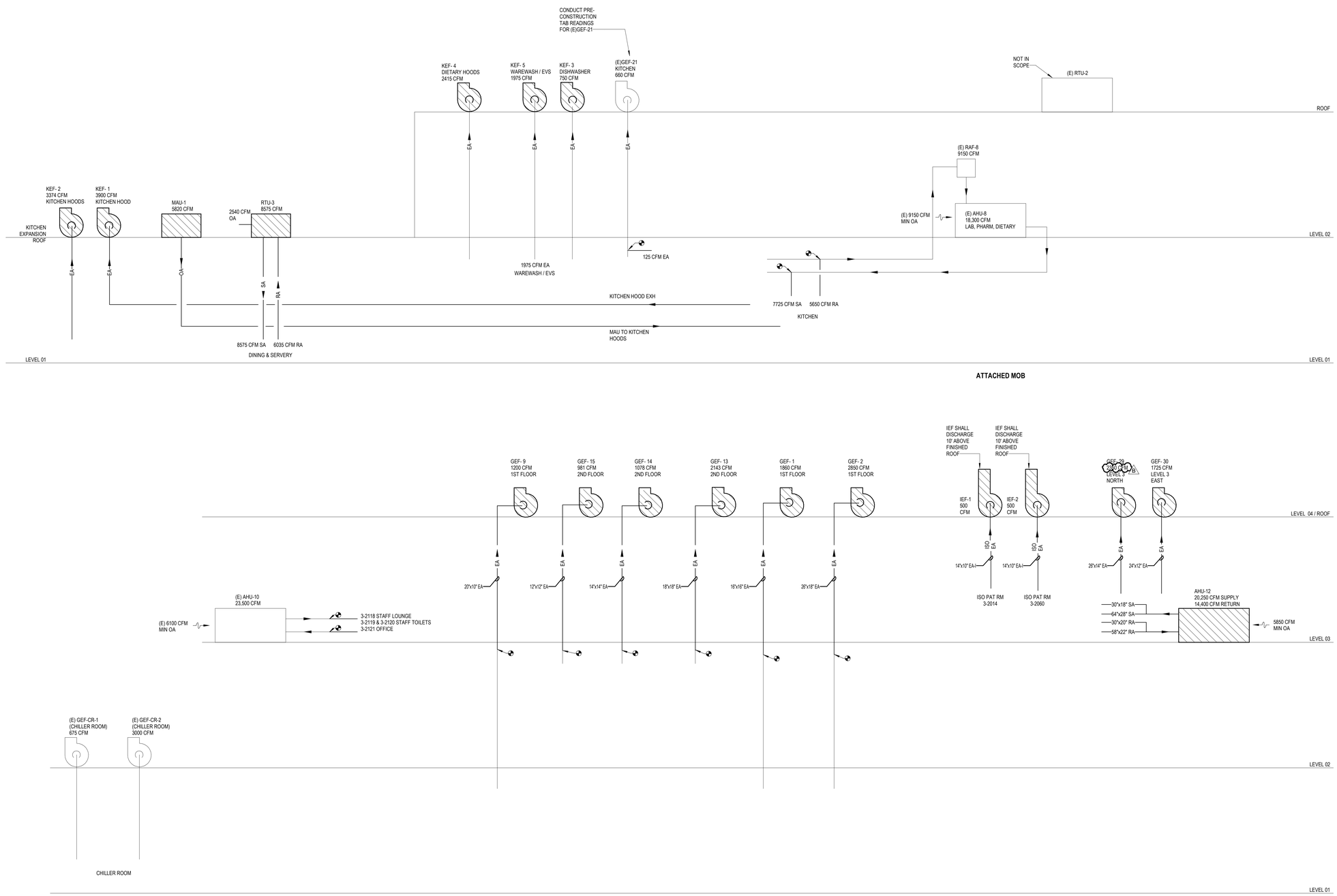
ENLARGED PLAN - MECHANICAL

M05-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_yx23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

2/6/2025 4:27:14 PM



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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

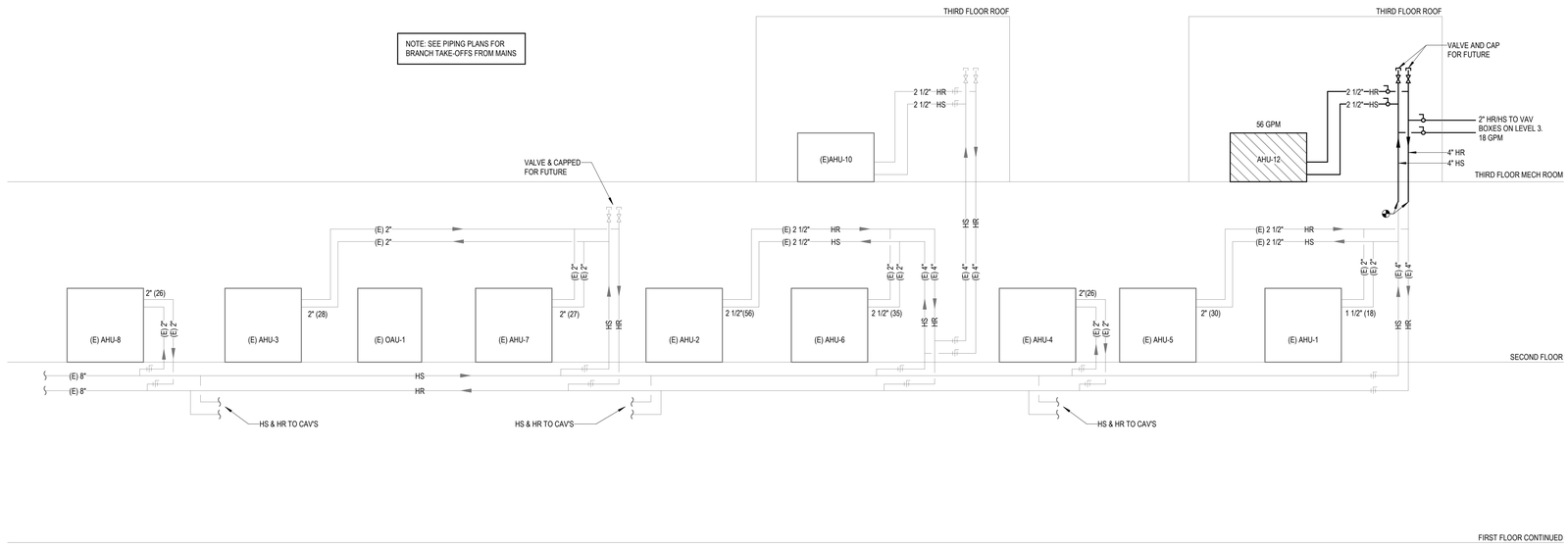
DATE:	2024/12/05
SCALE:	1/8" = 1'-0"
DRAWN:	HO
REVIEWED:	ID
JOB NUMBER:	6406.24

RISER DIAGRAM - MECHANICAL

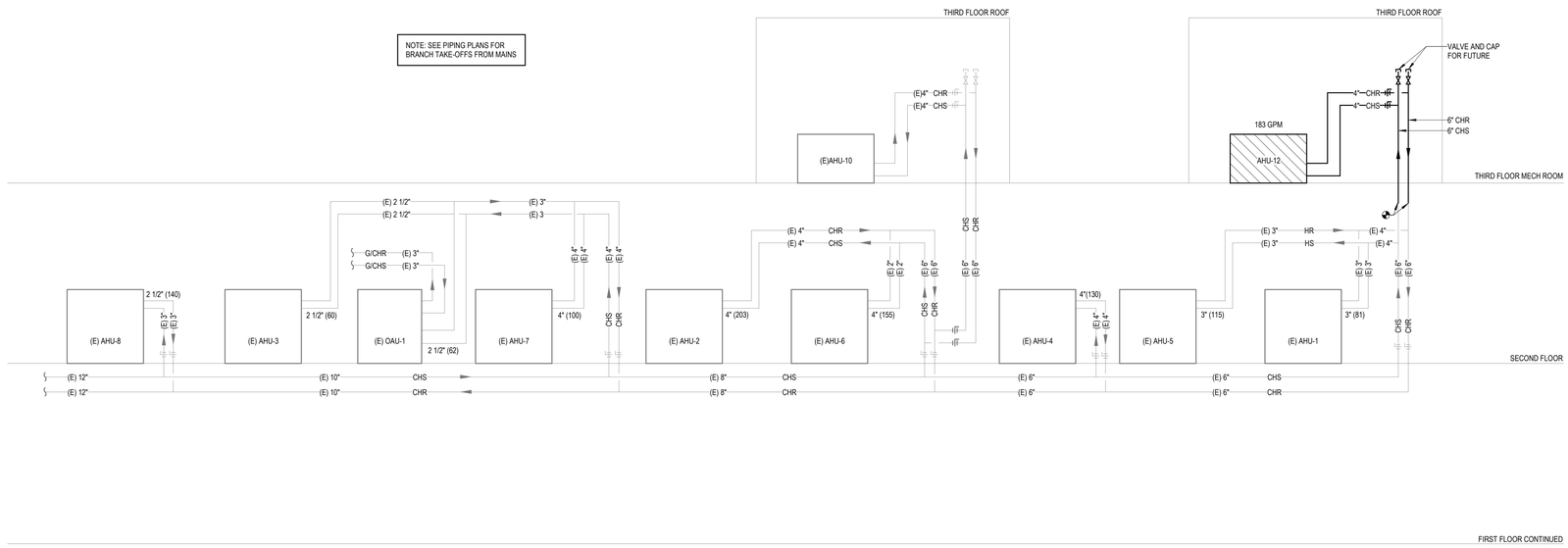
M06-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ryt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:18:51 PM



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



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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

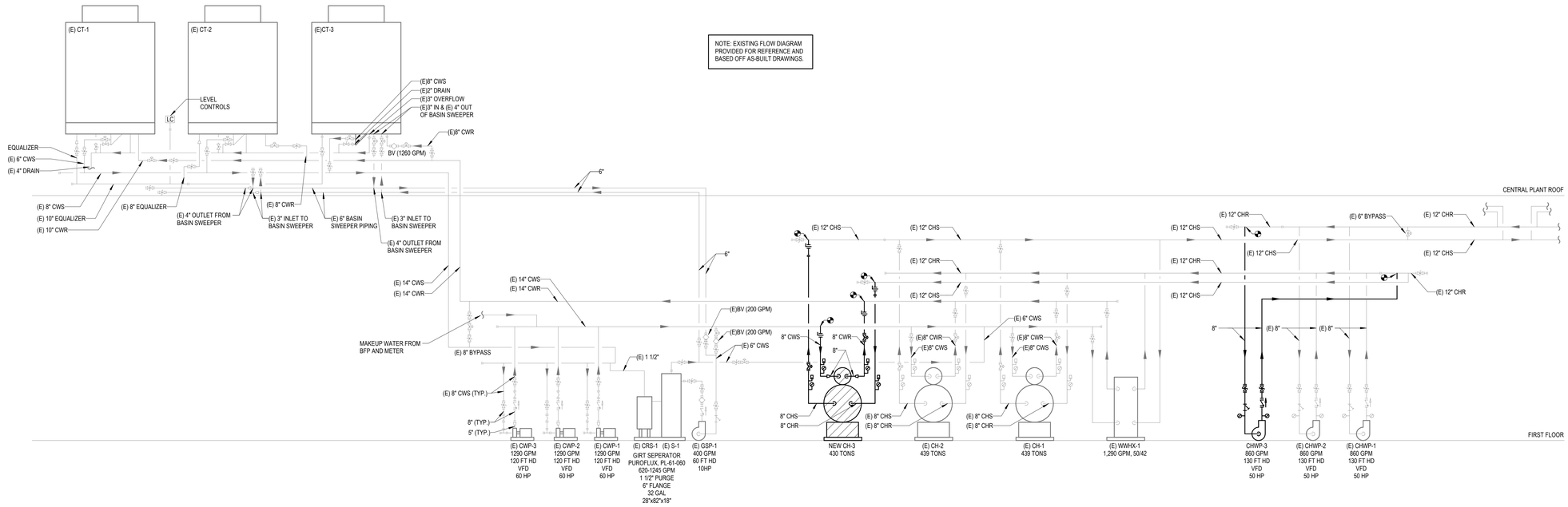
RISER DIAGRAM - MECHANICAL

M06-02

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.

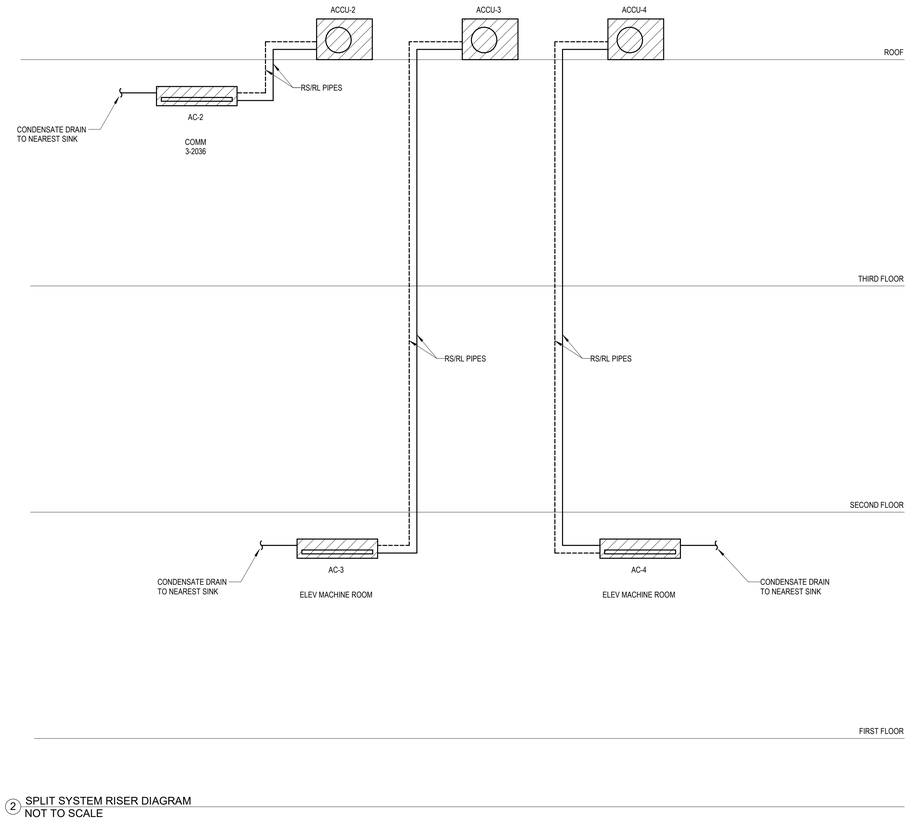
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:28 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



NOTE: EXISTING FLOW DIAGRAM PROVIDED FOR REFERENCE AND BASED OFF AS-BUILT DRAWINGS.

1 CHILLED WATER & CONDENSER WATER FLOW DIAGRAM
NOT TO SCALE



2 SPLIT SYSTEM RISER DIAGRAM
NOT TO SCALE

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
PROFESSIONAL ENGINEER
STATE OF MISSOURI
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	NOT TO SCALE
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

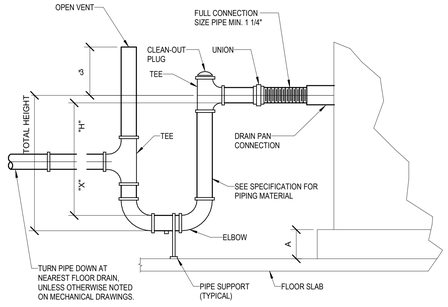
RISER DIAGRAM - MECHANICAL

M06-03

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:28 PM

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.



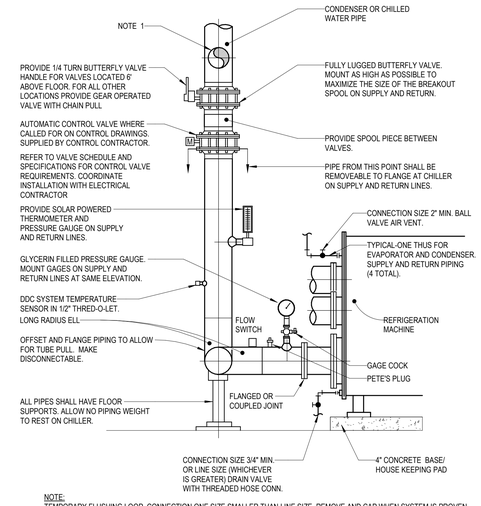
TOTAL HEIGHT OF TRAP = X+H+(11/2 x PIPE DIAMETER)

FOR DRAW THRU UNITS
X = MIN. 1H (PREFERRED 1 1/2 H)
H = NEGATIVE STATIC PRESSURE + 1"

FOR BLOW THRU UNITS
X = FAN STATIC PRESSURE +1"
H = MIN. 1"

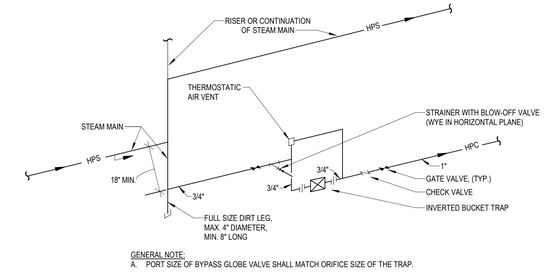
A= HOUSE KEEPING PAD MINIMUM 4", ACTUAL PAD DIMENSION IS SUBJECT TO CALCULATION OF PIPE TRAP DEPTH ON A UNIT BY UNIT BASIS.

7 COOLING COIL CONDENSATE DRAIN
NOT TO SCALE



NOTE:
TEMPORARY FLUSHING LOOP, CONNECTION ONE SIZE SMALLER THAN LINE SIZE. REMOVE AND CAP WHEN SYSTEM IS PROVEN CLEAN FROM FLUSHING (CHILLED WATER SYSTEM ONLY).

5 CHILLED AND CONDENSER WATER PIPING AT REFRIGERATION MACHINE
NOT TO SCALE



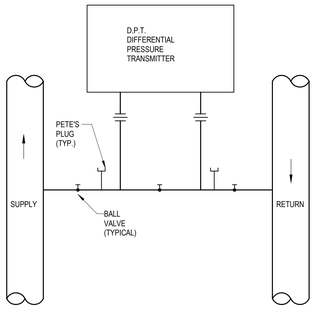
GENERAL NOTE:
A. PORT SIZE OF BYPASS GLOBE VALVE SHALL MATCH ORIFICE SIZE OF THE TRAP.

3 END OF MAIN DRIP HPS PIPING
NOT TO SCALE

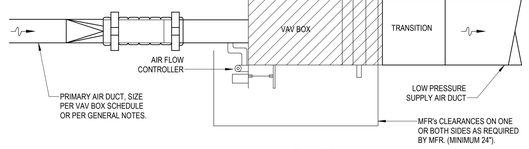
NOTES:

1. WATER SHALL ENTER COIL ON THE AIR LEAVING SIDE. OFFSET PIPING AS SHOWN TO ALLOW COIL PULL 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.

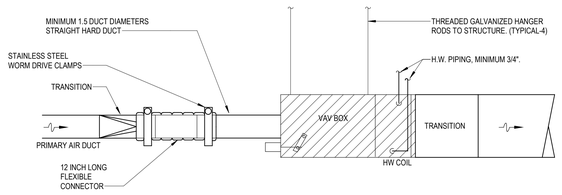
6 CHILLED WATER PIPING AT MULTIPLE COOLING COIL
NOT TO SCALE



4 DIFFERENTIAL PRESSURE SENSOR INSTALLATION DETAIL
NOT TO SCALE



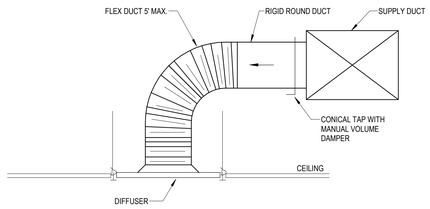
PLAN VIEW



ELEVATION VIEW

GENERAL NOTE:
A. VAV TERMINAL IS THE SAME EXCEPT THAT THERE IS NO HEATING COIL.

2 VAV BOX WITH HEATING WATER COIL
NOT TO SCALE



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

1 DIFFUSER CONNECTION ROUND RUNOUT
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

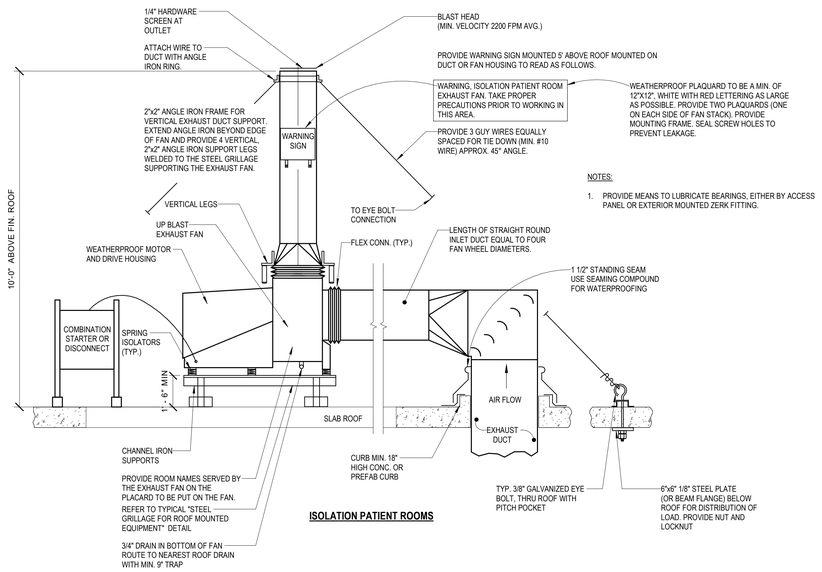
DATE:	2024/12/05
SCALE:	As indicated
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

DETAILS - MECHANICAL

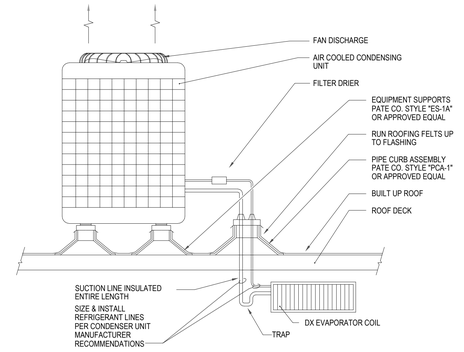
M07-01

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.

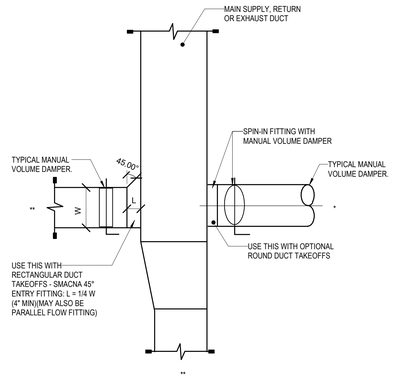
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:29 PM



9 ROOF MOUNTED VENT SET
NOT TO SCALE



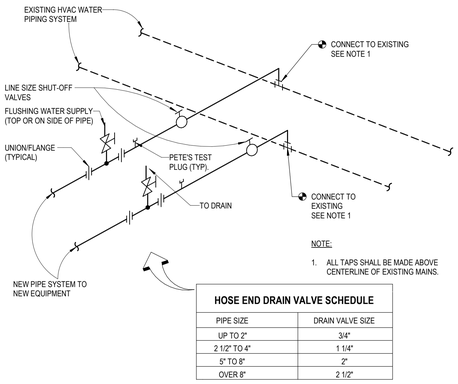
7 SPLIT REFRIGERANT CIRCUIT DETAIL - ROOF MOUNTED
NOT TO SCALE



* = BRANCH TO INDIVIDUAL DIFFUSER OR GRILLE

** = SUBMAIN, BRANCHMAIN, OR BRANCH.

4 LOW PRESSURE DUCT VOLUME DAMPER REQUIREMENTS
NOT TO SCALE

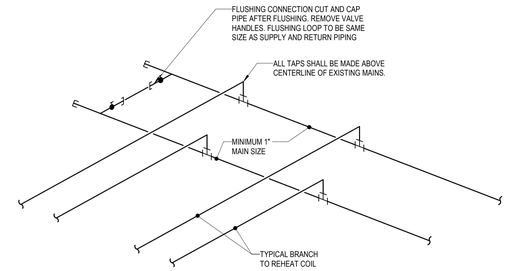


NOTE:
1. ALL TAPS SHALL BE MADE ABOVE CENTERLINE OF EXISTING MAINS.

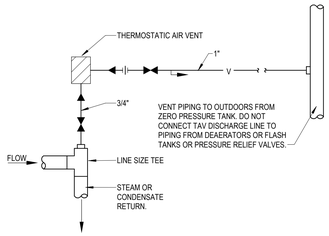
HOSE END DRAIN VALVE SCHEDULE

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"

6 PIPING CONNECTION DETAIL
NOT TO SCALE

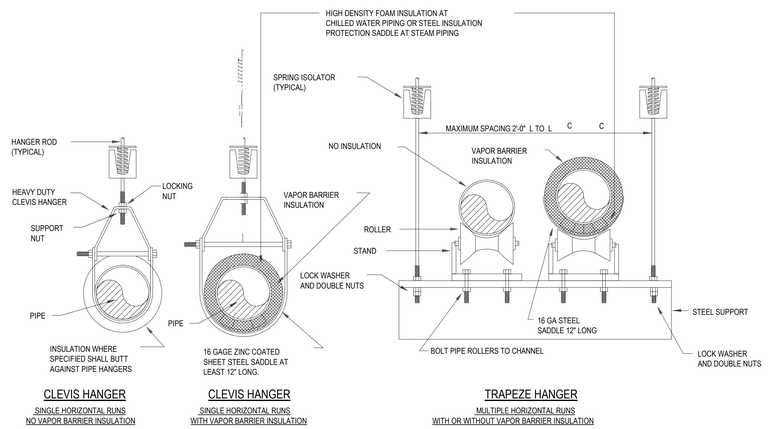


3 HVAC REHEAT HOT WATER END OF MAIN FLUSHING DETAIL
NOT TO SCALE



THERMOSTATIC AIR VENT SHALL BE:
LPS SERVICE: SARCO T202 OR EQUAL, 3/8" X 1/4", BRASS BODY, STAINLESS STEEL INTERNAL PARTS, 125 PSIG RATING.
HPS SERVICE: SARCO VS204 OR EQUAL, 1/2", CAST IRON BODY, STAINLESS STEEL INTERNAL PARTS, 250 PSIG RATING.

2 THERMOSTATIC AIR VENT FOR PIPING WITH FLOW - LPS OR HPS
NOT TO SCALE

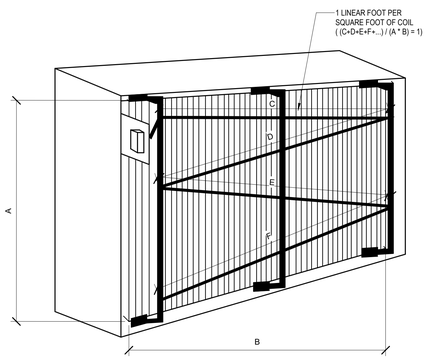


CLEVIS HANGER
SINGLE HORIZONTAL RUNS
NO VAPOR BARRIER INSULATION

CLEVIS HANGER
SINGLE HORIZONTAL RUNS
WITH VAPOR BARRIER INSULATION

TRAPEZE HANGER
MULTIPLE HORIZONTAL RUNS
WITH OR WITHOUT VAPOR BARRIER INSULATION

8 PIPING SUPPORT HANGERS
NOT TO SCALE



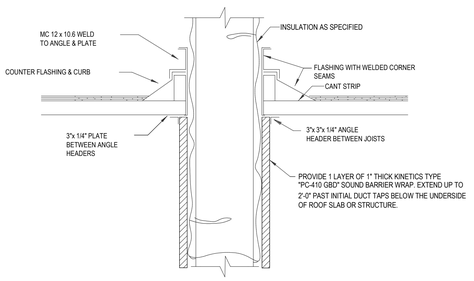
SECURE THE SENSOR ELEMENT BY PROVIDING AND ARAY TO SUPPORT THE CAPILARY TUBE ACROSS THE FACE OF THE COIL

IF DISSIMILAR METALS ARE USED IN THIS PROCESS ENSURE THE ELEMENTS IS SECURED AND ISOLATED TO PREVENT DAMAGE TO THE CAPILARY 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' CAPILARY LENGTH PROPERLY SPACED TO PROVIDE COVERAGE.

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

5 MIXED AIR SENSOR INSTALLATION
NOT TO SCALE



1 DUCT THROUGH ROOF WITH SOUND LAGGING
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

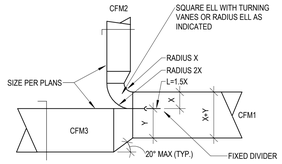
DETAILS - MECHANICAL

M07-02

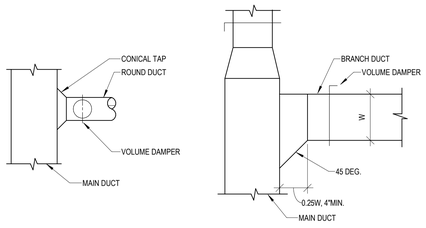
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

12/4/2024 6:05:30 PM



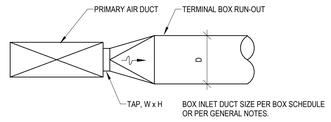
SPLITTER DAMPER
USE THIS DETAIL WHERE CFM1 >= 3000 CFM AND CFM2/CFM1 >= 0.25.
X/(X+Y) = CFM2/CFM1.
CFM1 = CFM2 + CFM3.



TYPICAL CONICAL TAP

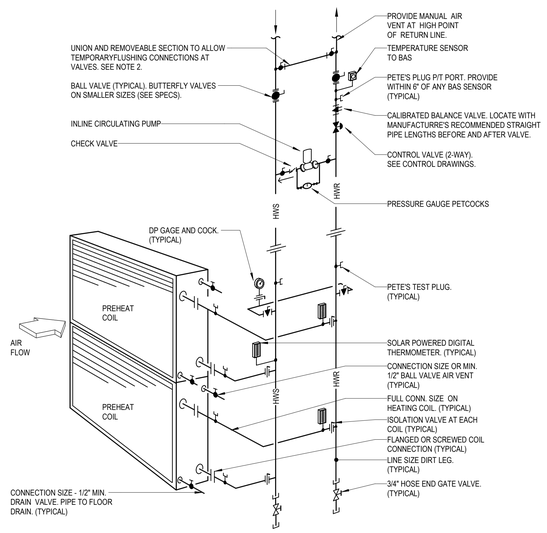
TYPICAL RECTANGULAR TAP

10 LOW PRESSURE DUCT FITTINGS - HORIZONTAL DUCTS
NOT TO SCALE



D (INCHES)	TAP, W x H (INCHES)
8	10/6
10	10/8
12	12/10, 16/8
14	14/12, 16/10
16	16/14, 18/12, 22/10
18	18/16, 20/14, 24/12

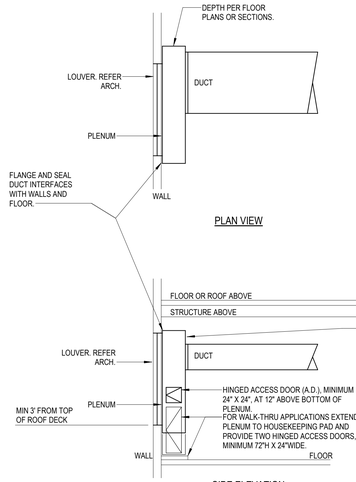
9 TERMINAL BOX INLET DUCT EQUIVALENT RECTANGULAR TO ROUND DUCT TAPS
NOT TO SCALE



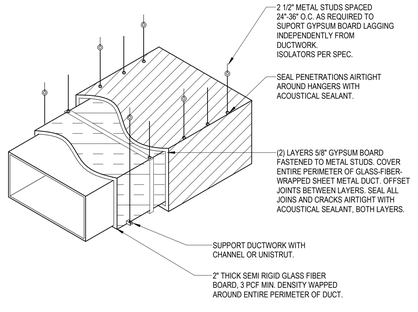
NOTES:

1. WATER SHALL ENTER COIL ON THE AIR LEAVING SIDE. OFFSET PIPING AS SHOWN TO ALLOW COIL PULL 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.

8 HOT WATER PIPING AT MULTIPLE PREHEAT COIL
NOT TO SCALE

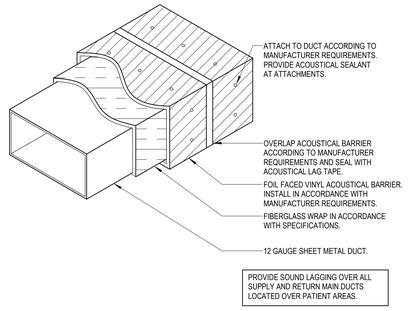


7 LOUVER WITH PLENUM AND DUCT CONNECTION
NOT TO SCALE



[FOR LOW END FREQUENCY CONCERNS]

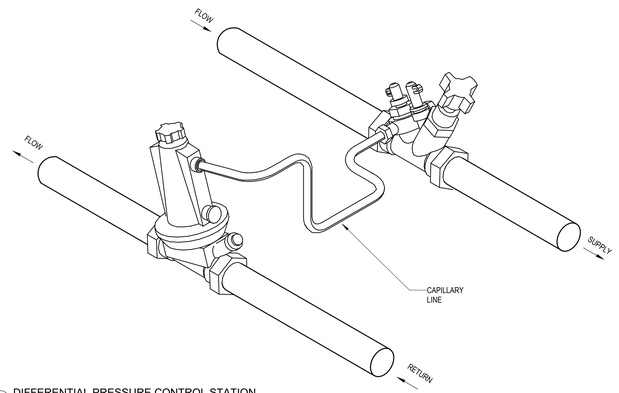
Typically used on HW/CHW AHU mains



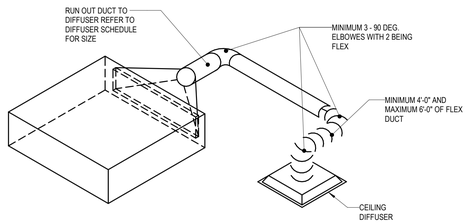
[FOR HIGH END FREQUENCY CONCERNS]

Typically used on DX AHU mains

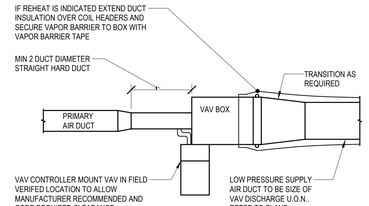
6 DUCT SOUND LAGGING DETAIL
NOT TO SCALE



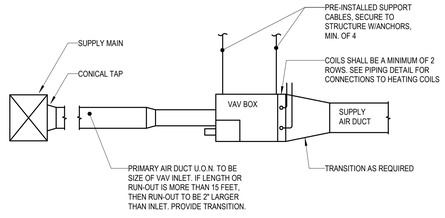
5 DIFFERENTIAL PRESSURE CONTROL STATION
NOT TO SCALE



4 VAV BOX SERVING SINGLE DIFFUSER DETAIL
NOT TO SCALE



PLAN

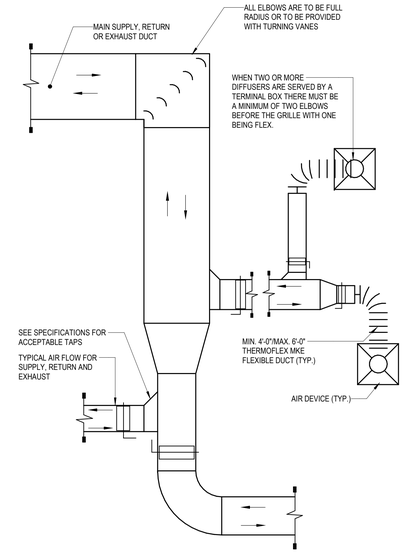


ELEVATION

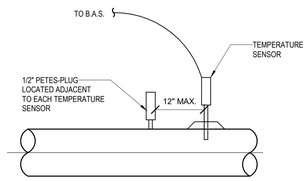
NOTE:

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 FITTING, 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.

3 VAV BOX INSTALLATION DETAIL
NOT TO SCALE



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



1 TEMPERATURE SENSOR INSTALLATION DETAIL
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

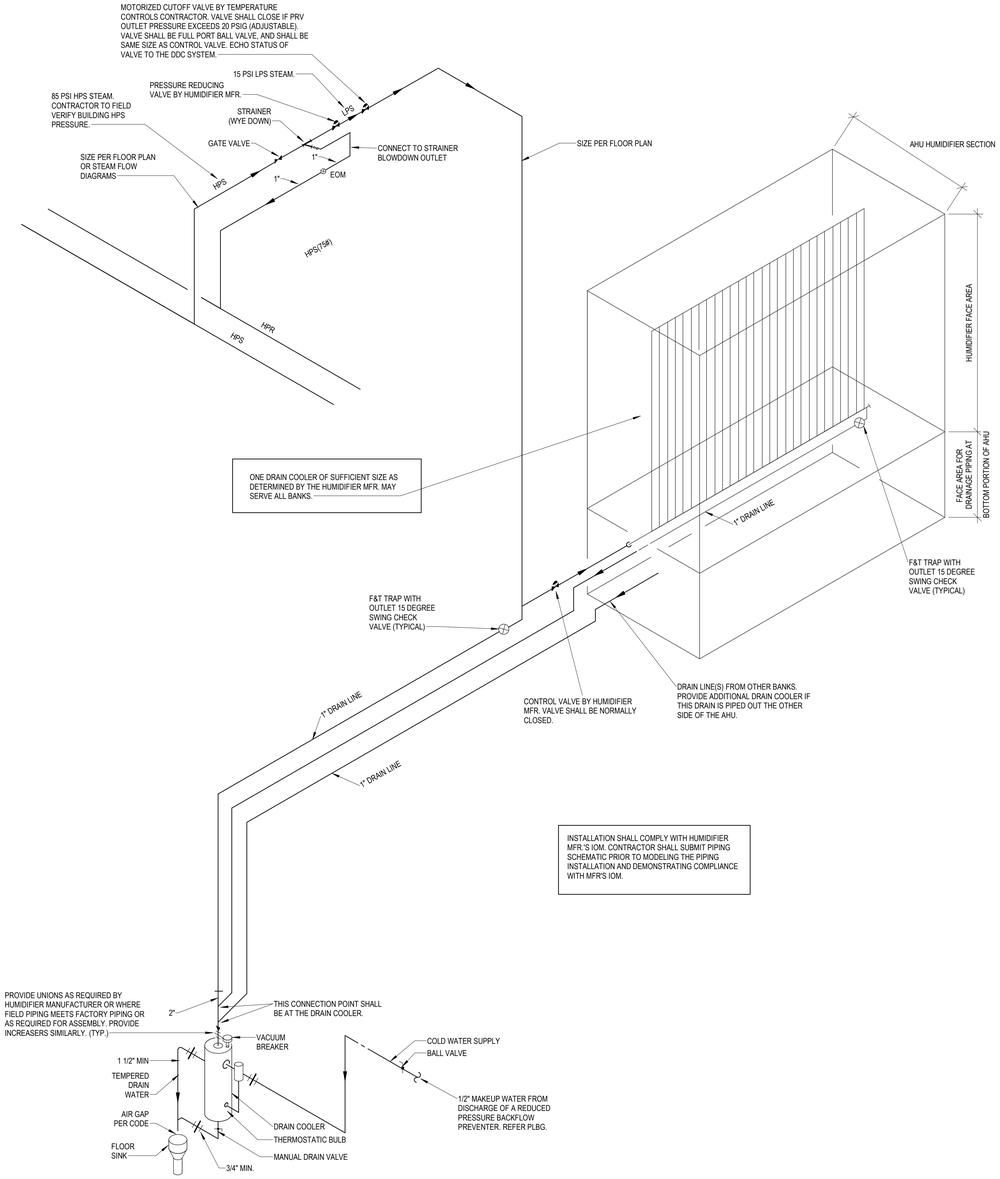
DATE:	2024/12/05
SCALE:	As indicated
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

DETAILS - MECHANICAL

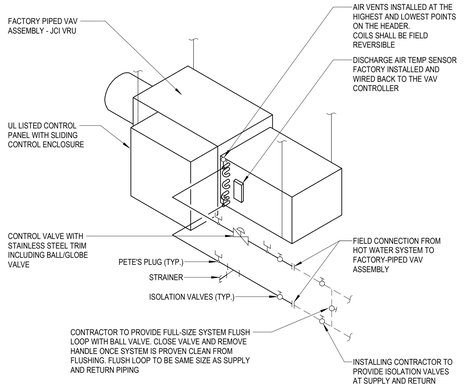
M07-03

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:31 PM



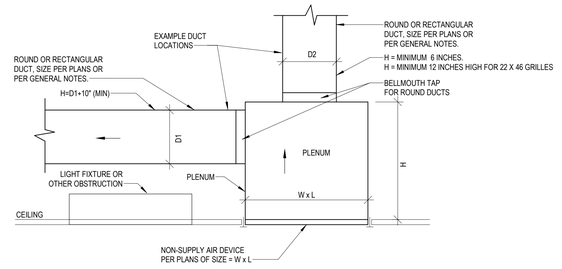
2 HUMIDIFIER-AHU-DIRECT STEAM-HPS TO LPS AND DRAIN COOLER
NOT TO SCALE



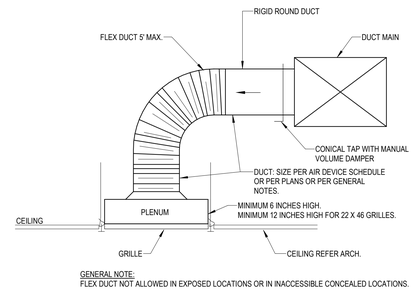
NOTES:

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

3 PIPING AT TERMINAL REHEAT
NOT TO SCALE

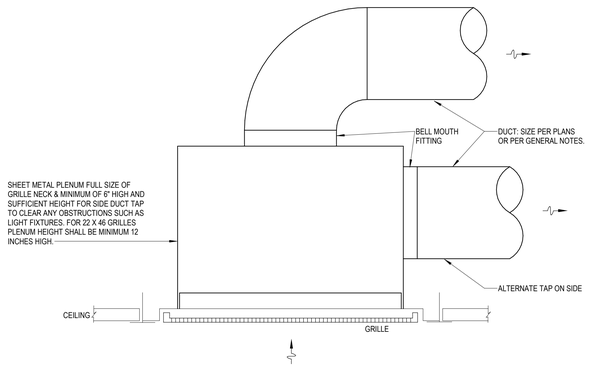


C. GRILLE RETURN OR EXHAUST CONNECTION - ROUND OR RECTANGULAR RUNOUT WITH HARD DUCT



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

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



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

1 GRILLE RETURN OR EXHAUST
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	NOT TO SCALE
DRAWN:	HO
REVIEWED:	ID
JOB NUMBER:	6406.24

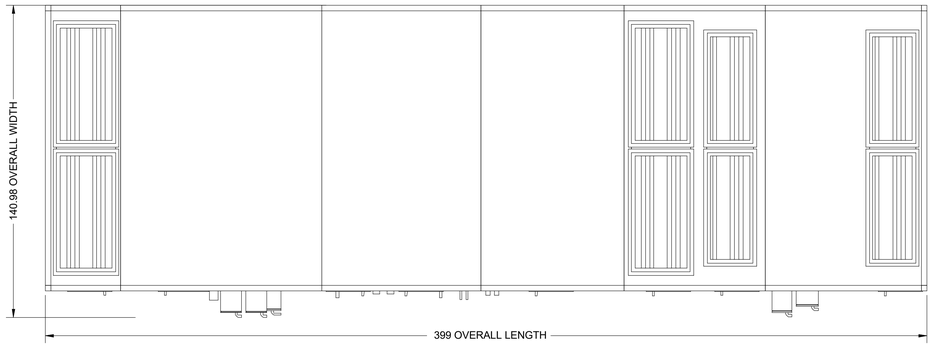
DETAILS - MECHANICAL

M07-04

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.

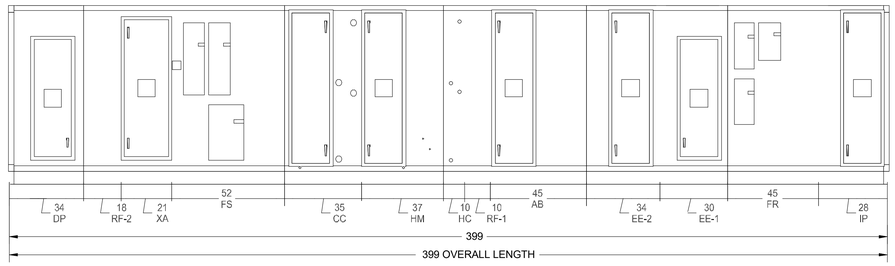
12/4/2024 6:05:31 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

TOP [PLAN] VIEW

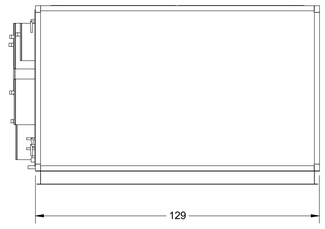


REAR VIEW

LEFT [ELEVATION] VIEW



FRONT VIEW



AHU-12 ELEVATION VIEWS

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	NOT TO SCALE
DRAWN:	HO
REVIEWED:	JD
JOB NUMBER:	6406.24

DETAILS - MECHANICAL

M07-05

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:05:32 PM

AIR DEVICE SCHEDULE

DESIG.	SIZE	OBD	FINISH	THROW	NECK SIZE	MAX NC LEVEL	MANUFACTURER/MODEL NO.	REMARKS/NOTES
S1	24"X24"	NO	WHITE	ADJ. 4-WAY	NOTE 1	25	PRICE / SPD	CEILING PLAQUE SUPPLY DIFFUSER
S2	12"X12"	NO	WHITE	ADJ. 4-WAY	NOTE 1	25	PRICE/SPD	CEILING PLAQUE SUPPLY DIFFUSER
S3	SEE PLANS	NO	WHITE	ADJ.	FULL SIZE	25	PRICE / 610Z	SIDEWALL SUPPLY GRILLE
S5	24"X24"	NO	WHITE	DOWN	NOTE 1	25	PRICE / PDS	ALUMINUM PERFORATED FACE SUPPLY DIFFUSER
LSD1	48" LONG, (2) 1" SLOTS	45	WHITE	VERTICAL, HORIZONTAL	-	25	TITUS / ML-39	CEILING LINEAR SLOT SUPPLY AIR DIFFUSER / 2,3
R1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / SPD	CEILING RETURN GRILLE
R3	SEE PLANS	NO	WHITE	-	FULL SIZE	25	PRICE / 610Z	SIDEWALL RETURN GRILLE
R5	48" LONG, (2) 1" SLOTS	NO	BLACK	-	NOTE 1	25	PRICE / SDR100, (2) SLOT	CEILING SLOT DIFFUSER / 4,6
R6	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / PDR	ALUMINUM PERFORATED FACE RETURN DIFFUSER
E1	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE/SPD	CEILING EXHAUST GRILLE
E2	12"X12"	NO	WHITE	-	NOTE 1	25	PRICE/SPD	CEILING EXHAUST GRILLE
E5	24"X24"	NO	WHITE	-	NOTE 1	25	PRICE / PDR	ALUMINUM PERFORATED FACE EXHAUST DIFFUSER

GENERAL NOTES:

A. CONTRACTOR TO COORDINATE FRAME STYLE WITH ARCHITECTURAL PLANS. FRAME TYPE SHALL MATCH CEILING TYPE AND MODULE DIMENSIONS.

B. CONTRACTOR TO COORDINATE FINAL FINISHES WITH ARCHITECT. AIR DEVICES TO BE FACTORY PAINTED.

C. NECK SIZES SHALL BE AS SCHEDULED UNLESS NOTED OTHERWISE ON PLANS.

D. DUCT MOUNTED AIR DEVICES SHALL BE FLANGE MOUNTED. NO MOUNTING SCREWS SHALL BE VISIBLE EXCEPT ON EXPOSED DUCTWORK.

NOTES:

1. 6"Ø 0-100 CFM
   8"Ø 101-225 CFM
   10"Ø 226-400 CFM
   12"Ø 401-600 CFM
   14"Ø 601-900 CFM
   15"x15" 901-1000 CFM
2. GRILLE SHALL BE DOUBLE DEFLECTION TYPE WITH TWO SETS OF ADJUSTABLE BLADES ORIENTED PERPENDICULAR TO EACH OTHER.

MAKEUP AIR UNIT NATURAL GAS-DX COOLING SCHEDULE

MARK		MAU-1
SERVES		KITCHEN HOODS
SUPPLY FAN	DESIGN CFM (1250 FT. ELEVATION)	5820
	E.S.P./T.S.P. ("WG)	2 / 2.58
	FAN TYPE/SIZE	DIRECT DRIVE BACKWARD CURVED ALUMINUM/24"
	FAN MOTOR HP (MIN.)	5
	POWER (V/PH/Hz)	460/3
GAS HEATING DATA	TYPE / NO. OF STAGES / POSITION	NATURAL GAS INDIRECT FIRED / FULL MODULATION / 10:1 TURNDOWN / DRAW-THROUGH
	EAT °F / LAT °F	-7/69.2
	CAPACITY MBH OUTPUT (MIN)	480
	MBH INPUT (MAX)	600
	EFFICIENCY (MIN)	-
COOLING COIL DATA	TYPE COIL / W x H (INCHES) / SQ FT / POSITION	DX/ 45 SF / DRAW-THROUGH
	CFM	5820
	MAX. FACE VEL. (FPM) / MAX. AIR P.D. ("WG)	129.3/0.11
	TOTAL / SENS / LAT (MBH) (MIN)/SHR	491.4/295.2/196.2/0.60
	EAT °F DB/WB	102/78
	DX COIL LAT °F DB/WB & GAS BYPASS COIL LAT °F DB	51.0/50.9 & 68
	MIN. ROWS/MAX. FINS PER INCH	6/14
OUTSIDE AIR CFM (MIN/MAX)		5820/5820
WEIGHT (LBS.) (OPERATING)		5753
FILTER DATA	TYPE / THICKNESS	PLEATED / 4" THICK
	MINIMUM EFFICIENCY (%)	MERV 8
	MAX. VELOCITY (FPM)	181.9
	P.D. (CLEAN/DIRTY) (IN WC)	0.04/0.35
ELECTRICAL	MCA	83
	MOCP	90
	V / PH	460 / 3
W x H x L (MAXIMUM)		100.25" X 101.75" X 161.5"
BASED ON MANUFACTURER/MODEL #		AAON RNA-040-D-A-3-HABBB-CB2L0
NOTES		ALL

NOTES:

1. FURNACE: 409 STAINLESS STEEL CONSTRUCTION. CONDENSATE DRAIN CONNECTION.
2. UNIT SHALL INCLUDE HOT GAS BYPASS COMPONENT.
3. MAIN POWER AND CONTROL PANEL WITH DISCONNECT SWITCH AND SINGLE-POINT POWER CONNECTION SERVING ALL ELECTRICAL ITEMS INCLUDING CONTROLS AND LIGHT FIXTURES.
4. STAINLESS STEEL COIL DRAIN PAN AND COIL CASING.
5. VAPORTIGHT LED LIGHT FIXTURE IN EACH ACCESSIBLE SECTION.
6. FULL PERIMETER STEEL INSULATED ROOF CURB, MINIMUM 30" HIGH, NO CANT, INSULATED, LEVEL TOP.
7. PROVIDE SOUND BLANKETING, MANUFACTURER'S REFRIGERANT DETECTION SYSTEM, AND POSITIVE AIRFLOW SWITCH FOR GAS BURNER.
8. SCCR: 10k

AIR HANDLING UNIT - SCHEDULE

MARK		AHU-12
SERVES		LEVEL 3 NORTH AND EAST WINGS
SUPPLY FAN	CFM (AHU TOTAL SA)	22000
	BALANCE CFM	20250
	ESP / TSP ("WC)	2.50/6.51
	FAN MOTOR QTY / HP (MIN)	2 / 20 HP
	FAN MOTOR BHP	15.30 BHP
	(VOLTS/PHASE)	460/3
	FAN WHEEL TYPE	SWSI
	DRIVE	DIRECT
RETURN FAN	CFM (AHU TOTAL RA)	16000
	BALANCE CFM	14400
	ESP / TSP ("WC)	1.5/2.32
	FAN MOTOR QTY / HP (MIN)	2 / 7.5 HP
	FAN MOTOR BHP	5.05 BHP
	(VOLTS/PHASE)	460/3
	FAN WHEEL TYPE	SWSI
	DRIVE	DIRECT
COOLING COIL DATA	TYPE COIL / W x H (INCHES)	CHW/129x75
	DESIGN CFM	22000
	MAX. FACE VEL. (FPM)	430
	(MAX. AIR P.D. ("WG) = 1.00 U.N.O.)	0.57
	TOTAL / SENS / LAT (MBH) (MINIMUM)	1108/667/441
	EAT °F DB/WB	80/67
	LAT °F DB/WB	51.1/50.7
	EWT °F / LWT °F (REFERENCE)	42/54.1
	GPM (MAXIMUM)	182.5
	WATER PD (FT.) (MAXIMUM)	16.8
	MINIMUM ROWS / MAXIMUM FINS PER INCH	6/8
HEATING COIL DATA	TYPE / POSITION	HW/PREHEAT
	DESIGN CFM	22000
	MAX. FACE VEL. (FPM) (AT MAX AHU CFM)	430
	MAXIMUM AIR P.D. ("WG) (AT MAX AHU CFM)	0.09
	EAT °F DB / LAT °F DB (REFERENCE)	43/66
	MINIMUM MBH OUTPUT	820
	EWT °F / LWT °F (REFERENCE)	140/110
	GPM (MAXIMUM)	56.2
	WATER PD (FT.) (MAXIMUM)	2.5
	MINIMUM ROWS / MAXIMUM FINS PER INCH	1/8
HUMIDIFIER DATA	TYPE	DIRECT INJECTION STEAM
	DESIGN CFM	22000
	STEAM PSI	15
	HUMIDIFICATION LOAD (LBS/HR)	201
	EAT & RH % / LAT & RH%	50 & 20% / 55 & 42%
	ABSORPTION DISTANCE (IN)	5.4
OUTSIDE AIR CFM (MIN/MAX) (AT FULL COOLING)		5850 / 22000
FIRST FILTER DATA	TYPE	4" MINI PLEAT
	EFFICIENCY (%) (ASHRAE 52)	60% (MERV 11)
	MAXIMUM VELOCITY (FPM)	440
	P.D. (CLEAN/DIRTY) (INCHES W.G.)	0.42 / 0.85
FINAL FILTER DATA	TYPE	12" RIGID
	EFFICIENCY (%) (ASHRAE 52)	90% (MERV 14)
	MAXIMUM VELOCITY (FPM)	440
	P.D. (CLEAN/DIRTY) (INCHES W.C.)	0.49 / 1.5
MANUFACTURER / MODEL NO. (JCI)		XTI - 75x129
WEIGHT (LBS.)		15487
UNIT NOMINAL DIMENSIONS (INCHES) WIDTH x HEIGHT x LENGTH		129x75x399
NOTES		ALL

NOTES (AHU's):

1. ISP EQUALS AHU SP LOSS WITH DIRTY FILTERS. TSP EQUALS ESP + ISP. TSP LISTED IS FOR REFERENCE ONLY.
2. FAN MOTOR NAMEPLATE HP SHALL NOT BE EXCEEDED AT SCHEDULED CFM AND TSP
3. IF MANUFACTURER'S COOLING COIL PROMOTES MOISTURE CARRYOVER AT THE ALLOWABLE MAX FACE VELOCITY, THEY SHALL OVERSIZE THE COIL FACE AREA TO PREVENT MOISTURE CARRYOVER AT THESE CONDITIONS.
4. COILS SHALL NOT BE COATED UNLESS NOTED OTHERWISE.
5. COOLING COIL SENSIBLE HEAT RATIO (SHR) TOLERANCE EQUALS PLUS OR MINUS 0.3. EXAMPLE: CSHR = 0.79 MAX = 0.76 MIN=0.82
6. 5/8" OD TUBES
7. PROVIDE LED LIGHT FIXTURE IN EACH ACCESSIBLE SECTION. PROVIDE ONE TIMER SWITCH WITH PILOT LIGHT TO ENERGIZE ALL LIGHTS. FACTORY WIRE ALL FIXTURES AND SWITCHES TO EXTERNAL JUNCTION BOX FOR FIELD CONNECTION TO A 120V CIRCUIT
8. PRE-FILTERS SHALL BE SNAP-IN TYPE WITH SUPPORTS ON ALL FOUR SIDES. FILTER BANK SHALL BE FULL-SIZE.
9. HORIZONTAL DRAW-THRU
10. DOUBLE WALL CONSTRUCTION WITH THERMAL PERFORMANCE AS SPECIFIED.
11. INTERNALLY ISOLATED FAN, DRIVE, AND MOTOR.
12. PROVIDE (2) VARIABLE FREQUENCY DRIVES FOR EACH SUPPLY FAN ARRAY. VFDs TO BE SIZED FOR 50% OF THE FAN ARRAY'S AGREGATE FAN HORSEPOWER.
13. COIL CASINGS SHALL BE STAINLESS STEEL.
14. FINAL BALANCED CFM TO BE COORDINATED WITH T&B CONTRACTER AFTER CONSTRUCTION COMPLETION.
15. SCCR RATING SHALL MATCH PANELBOARD RATING.
16. PROVIDE SEPARATE MINIMUM OUTSIDE AIR AND ECONOMIZER OUTSIDE AIR DAMPERS.
17. SCCR: 10k

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

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.

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

SCHEDULES - MECHANICAL

M08-01

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:18:52 PM

FAN SCHEDULE

DESIGNATION	LOCATION	SERVES	BALANCED CFM	ESP (IN WG)	BHP	MAX dBA	FAN DATA TYPE	RPM	DRIVE	ELECTRICAL MOTOR DATA HP	VOLT / PH	STARTER	AVAILABLE FAULT SCCR (AMPS)	APPROX. WEIGHT (LBS)	MANUF. - MODEL	NOTES
GEF-1	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL 1ST FLOOR	1860	1.5	0.73	69	CENTRIFUGAL BLOWER	1898	DIRECT	1	460 / 3	HOA	5k	186	GREENHECK USF-13-VG	2-7
GEF-2	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL 1ST FLOOR	2850	1.75	1.24	70	CENTRIFUGAL BLOWER	1571	DIRECT	2	460 / 3	HOA	5k	245	GREENHECK USF-16-VG	2-7
GEF-9	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL 1ST FLOOR	1,200	1.5	0.47	71	CENTRIFUGAL BLOWER	2192	DIRECT	3 /4	115 / 1	HOA	5k	169	GREENHECK USF-12	1-8
GEF-13	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL 2ND FLOOR	2143	2	0.97	68	CENTRIFUGAL BLOWER	1483	DIRECT	2	460 / 3	HOA	5k	245	GREENHECK USF-16-VG	2-7
GEF-14	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL 2ND FLOOR	1,078	2	0.54	71	CENTRIFUGAL BLOWER	2294	DIRECT	3 /4	115 / 1	HOA	5k	169	GREENHECK USF-12	1-8
GEF-15	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL 2ND FLOOR	981	1.5	0.37	69	CENTRIFUGAL BLOWER	2021	DIRECT	1 / 2	115 / 1	HOA	5k	166	GREENHECK USF-12	1-8
GEF-29	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL NORTH 3RD FLOOR	2350	2	1.06	68	CENTRIFUGAL BLOWER	1516	DIRECT	2	460 / 3	HOA	5k	246	GREENHECK USF-16-VG	2-7
GEF-30	HOSPITAL EXPANSION ROOF (LEVEL 4)	GENERAL EAST 3RD FLOOR	1725	2	0.84	69	CENTRIFUGAL BLOWER	2000	DIRECT	1	460 / 3	HOA	5k	186	GREENHECK USF-13-VG	2-7
IEF-1	HOSPITAL EXPANSION ROOF (LEVEL 4)	ISO PATIENT RM (NORTH 3RD FLOOR)	500	1.5	0.56	79	CENTRIFUGAL BLOWER	3073	DIRECT	3 /4	115 / 1	HOA	5k	238	GREENHECK FJI-07-BI-X	2-7
IEF-2	HOSPITAL EXPANSION ROOF (LEVEL 4)	ISO PATIENT RM (EAST 3RD FLOOR)	500	1.5	0.56	79	CENTRIFUGAL BLOWER	3073	DIRECT	3 /4	115 / 1	HOA	5k	238	GREENHECK FJI-07-BI-X	2-7
KEF-1	KITCHEN EXP ROOF (LEVEL 2)	KITCHEN HOOD 1ST FLOOR	3900	2.899	3.81	81	CENTRIFUGAL BLOWER	1725	DIRECT	5	460 / 3	VFD	5k	169	GREENHECK CUE-200HP-A	3-8
KEF-2	KITCHEN EXP ROOF (LEVEL 2)	KITCHEN HOOD 1ST FLOOR	3374	2.292	2.18	73	CENTRIFUGAL BLOWER	1725	DIRECT	3	460 / 3	VFD	5k	163	GREENHECK CUE-180HP-A	3-8
KEF-3	ATTACHED MOB ROOF (LEVEL 3)	DISHWASHER 1ST FLOOR	750	1.5	0.27	67	CENTRIFUGAL BLOWER	2189	DIRECT	1 / 2	115 / 1	HOA	5k	166	GREENHECK USF-06	1-8
KEF-4	ATTACHED MOB ROOF (LEVEL 3)	EXISTING DIETARY SERVING LINE HOOD 1ST FLOOR	2415	3	1.65	70	CENTRIFUGAL BLOWER	2058	DIRECT	2	460 / 3	VFD	5k	238	GREENHECK USF-15-B6	3-8
KEF-5	ATTACHED MOB ROOF (LEVEL 3)	WAREWASH / EVS 1ST FLOOR	1975	3	1.37	70	CENTRIFUGAL BLOWER	1960	DIRECT	1-1/2	460 / 3	VFD	5k	196	GREENHECK USF-15	2-8

NOTES:

1 ABB ACS255 VFD, MOUNTED AND WIRED. PAIRS WITH GREENHECK'S HOA VARI-GREEN CONTROL.
2 PROVIDE GRAVITY BACKDRAFT DAMPER.
3 PROVIDE BIRDSCREEN.
4 24" HIGH STEEL CURB, INSULATED, SLOPED BASE, LEVEL TOP.
5 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.
6 UPBLAST DISCHARGE.
7 PROVIDE FLEX CONNECTION AT FAN INLET.
8 DISCONNECT SWITCH TO BE INTERLOCKED WITH VFD.

RTU-3 TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE

DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX COOLING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	H.W. COIL EAT DB °F	LAT DB °F	EWT °F	LWT °F	MAX WATER P.D. (FT)	MAX FLOW GPM	MIN ROWS	MAX N.C.	JCI MODEL NUMBER	NOTES
VAV-3-1	10"	0	1,000	1,000	12.5 / 14	0.25	52	65	140	110	10	2.8	2	30	TSS-10	1, 3-12
VAV-3-2	6"	150	150	150	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	ALL
VAV-3-3	8"	300	300	600	10 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-08	1, 3-12
VAV-3-4	10"	950	950	950	12.5 / 14	0.25	52	95	140	110	10	2.4	2	30	TSS-10	1, 3-12
VAV-3-5	6"	400	400	400	8 / 12	0.25	52	95	140	110	10	1.0	2	30	TSS-06	ALL
VAV-3-6	12"	1,225	1,225	1,375	15 / 16	0.25	52	95	140	110	10	3.0	2	30	TSS-12	1, 3-12
VAV-3-7	8"	325	325	500	10 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-08	1, 3-12
VAV-3-8	8"	580	580	580	10 / 12	0.25	52	95	140	110	10	1.6	2	30	TSS-08	1, 3-12
VAV-3-9	12"	1,220	1,220	1,220	15 / 16	0.25	52	95	140	110	10	3.3	2	30	TSS-12	1, 3-12
VAV-3-10	10"	750	750	900	12.5 / 14	0.25	52	95	140	110	10	2.0	2	30	TSS-10	ALL
VAV-3-11	10"	750	750	900	12.5 / 14	0.25	52	95	140	110	10	2.0	2	30	TSS-10	1, 3-12

NOTES:

1. MIN MBH = GPM x 15.
2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.
5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.
6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.
7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.
8. H.W. COIL SHALL BE LOCATED AT DISCHARGE OF BOX.
9. OUTLET PLENUM BY INCLUDED BY MANUFACTURER. COORDINATE WITH RUNOUT SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.
10. CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.
11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:
    0 - 4.0 GPM : 3/4"
    4.1 - 8.0 GPM : 1"
    8.1 - 15.0 GPM : 1-1/4"
12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.

(E)AHU-10 TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE

DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX COOLING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	H.W. COIL EAT DB °F	LAT DB °F	EWT °F	LWT °F	MAX WATER P.D. (FT)	MAX FLOW GPM	MIN ROWS	MAX N.C.	JCI MODEL NUMBER	NOTES
VAV 10-40	8"	175	200	555	10 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-08	1, 3-12
VAV 10-41	6"	50	65	100	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	ALL
VAV 10-42	6"	50	75	125	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12

NOTES:

1. MIN MBH = GPM x 15.
2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.
5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.
6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.
7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.
8. H.W. COIL SHALL BE LOCATED AT DISCHARGE OF BOX.
9. OUTLET PLENUM BY INCLUDED BY MANUFACTURER. COORDINATE WITH RUNOUT SIZES TO AIR DEVICES. PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.
10. CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.
11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:
    0 - 4.0 GPM : 3/4"
    4.1 - 8.0 GPM : 1"
    8.1 - 15.0 GPM : 1-1/4"
12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.

ROOFTOP UNIT - DX/GAS SCHEDULE

MARK		RTU3
SERVES		LEVEL 1 SERVERY/KITCHEN
SUPPLY FAN	CFM (MAX/BALANCED)	9000 / 8575
	E.S.P./T.S.P. ("WG)	3 / 4.26
	FAN RPM/FAN TYPE	1373 / 30" DIRECT DRIVE BACKWARD CURVED ALUMINUM
	FAN MOTOR QTY AT HP/FLA EACH	1 AT 15.0 / 21.0
	POWER NAMEPLATE (VOLTS/PHASE)	460/3
EXHAUST FAN	CFM (MAX/BALANCED)	6120 / 6035
	E.S.P./T.S.P. ("WG)	1/ 1.19
	FAN RPM/FAN TYPE	859 / 27.4" DRIVE BACKWARD CURVED ALUMINUM
	FAN MOTOR QTY AT HP/FLA EACH	1 AT 3 / 4.8
	POWER NAMEPLATE (VOLTS/PHASE)	460/3
COOLING DATA	CFM	9000
	MAX. FACE VEL. (FPM)/SQ FT	280 / 32.1
	MAXIMUM APD (INCHES WG)	0.27
	EAT °F DB/WB	82.3/67.2
	LAT °F DB/WB	53.6/53.5
	TOTAL/SENS/LAT MBH (MIN)/SHR	358.7 / 264.8 / 93.9 / 0.74
	OUTDOOR CONDENSER AMBIENT TEMP (DEGREES F)	102
	REFRIGERANT	R-454B
	MIN. ROWS/MAX. FPI	6 / 12
HEATING DATA	TYPE / POSITION	NATURAL GAS INDIRECT FIRED/ FAN DISCHARGE
	CFM	9000
	MAX. FACE VEL. (FPM) (AT MAX AHU CFM)	-
	MAX. AIR P.D. ("WG) (AT MAX AHU CFM)	0.03
	DESIGN EAT °F DB / LAT °F DB	43 / 93.9
	MINIMUM MBH OUTPUT	480.0
	MAXIMUM MBH INPUT	600.0
	MINIMUM EFFICIENCY (%)	-
	OPERATION	FOUR STAGE GAS HEAT
PRE FILTER DATA	TYPE / THICKNESS	PLEATED / 2"
	MINIMUM EFF.	MERV 8 + MERV 11
	MAX. VELOCITY (FPM)/SQ. FT.	281.3
	P.D. (CLEAN/DIRTY)(IN WC)	0.31 / 0.50
OUTSIDE AIR CFM (MIN/MAX)		2540 / 9000
UNIT	OPERATING WEIGHT (LBS.)	5638
	DIMENSIONS (L x W x H) (INCHES)	209.5" X 100.25" X 101.75"
ELECTRICAL	UNIT VOLTS/PHASE INPUT (AVAILABLE)	460/3
	UNIT MINIMUM SCCR RATING	65 KAIC
	COMPRESSORS (QTY AT RLA)	2 AT 26.0 & 21.2
	CONDENSER FANS (QTY AT FLA EACH)	4 AT 1.8
	UNIT MCA/MOCP	87 / 110
BASED ON MANUFACTURER/MODEL NO.		AAON RNA-031-D-A-3-HABBC-CB2L0
NOTES		ALL

NOTES:

1. SCHEDULED FAN MOTOR HORSEPOWERS ARE MINIMUMS.
2. PROVIDE WITH DRY BULB ECONOMIZER CYCLE. UNIT SHALL BE CAPABLE OF 100% ECONOMIZER.
3. FACTORY ROOF CURB, STEEL, 24" HIGH MINIMUM, INSULATED, LEVEL TOP, SLOPED BASE, TO PROVIDE LEVEL MOUNT WITH NO SHIMS. SEISMIC RATED FOR THE PROJECT LOCATION.
4. VARIABLE FREQUENCY DRIVES ON SUPPLY FAN AND EXHAUST FAN.
5. FACTORY MODULATING DISCHARGE AIR CONTROLS FOR DX COIL AND COMPRESSORS WITH HOT GAS BYPASS AND DESIGNED TO PROVIDE SELECTED SETPOINT TEMPERATURE.
6. SINGLE-POINT POWER CONNECTION SERVING RTU AND ITS CONTROLS. PROVIDE FACTORY DISCONNECT.
7. PROVIDE WITH BACNET IP INTERFACE TO CONNECT TO BUILDING AUTOMATION SYSTEM FOR RECEIVING SETPOINTS, STATUS CHANGE, AND COMMUNICATING ALARMS.
8. SHALL HAVE POWERED EXHAUST INTEGRAL TO THE UNIT.
9. PROVIDE WITH MANUFACTURER'S REFRIGERANT DETECTION SYSTEM.
10. PROVIDE WITH SOUND BLANKETING.
11. PROVIDE WITH POSITIVE AIRFLOW SWITCH FOR GAS BURNER.
12. SCCR: 10k

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS

REV #	DESCRIPTION	DATE

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

SCHEDULES - MECHANICAL

M08-02

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:45:33 PM

FAN COIL UNIT SCHEDULE

DESIGNATION		FCU-CP-7
LOCATION		LEVEL 1 CUP
SERVICE		LEVEL 1 CUP
FAN DATA	MAX CFM	1750
	EXT. S.P. ("WG)	0.5
	FAN MOTOR HP (MIN) (1750 RPM)	1
	POWER SUPPLY (VOLTS/PHASE)	460 / 3
	DRIVE	ECM
	FAN RPM	1148
COOLING COIL DATA	TYPE / MIN SQ. FT.	CHW
	CFM	1750
	MAX FACE VELOCITY (FPM)	435
	EAT °F DB/WB	75 / 63
	LAT °F DB/WB	54.4 / 53.7
	EWT °F/DT	44 / 12
	GPM	11.1
	WATER P.D. (FT)	2.62
	MIN. NO. OF ROWS / MAX FINS PER INCH	6 / 10
HEATING COIL DATA	TYPE / PH = PREHEAT, RH = REHEAT	RH
	CFM	1750
	MAX FACE VELOCITY (FPM)/MAX APD ("W.G.)	435
	MIN. MBH OUTPUT	87.9
	EAT °F DB / LAT °F DB	50 / 88.8
	EWT °F/DT	140 / 30
	BALANCED GPM	4
	WATER P.D. (MAX FT)	4.18
	MIN. NO. OF ROWS / MAX FINS PER INCH	2 / 10
OUTSIDE AIR CFM (MIN / MAX) (AT FULL COOLING)		NONE
FILTER DATA	TYPE & THICKNESS	TA/2" PLEATED FLAT
	EFFICIENCY (%) / MERV RATING	65%/11
	MAX. VELOCITY (FPM)	315
	P.D. (DIRTY / CLEAN)	0.85/0.3
MANUFACTURER / MODEL NO.		ENVIROTEC HDD 16
UNIT MIN. DIM. (INCHES) LENGTH x WIDTH x HEIGHT W/O PLENUMS		40 x 44 x 21
NOTES		ALL

NOTES (FCUS):

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

SPLIT SYSTEM A/C UNIT SCHEDULE

DESIGNATION		AC-2 / AC-3,4
LOCATION		LEVEL 3 / LEVEL 01
SERVICE		COMM / EXISTING ELEV MACHINE RMS
INDOOR UNIT DATA	SUPPLY CFM	1095
	EXT. S.P. ("WG)	-
	VOLTS / PH	208 / 1
	MCA	-
	MOCP	-
	DIMENSIONS (WxHxD) (IN)	47 1/4"X14 23/32"X10 7/16"
	WEIGHT (LBS)	41
COOLING DATA	EAT °F DB/WB	80 / 67
	SENS. HEAT (BTUH)	34,000
	TOTAL HEAT (BTUH)	34,000
CONDENSING UNIT DESIGNATION		ACCU-2, 3, 4
CU DATA	VOLTS / PH	208 / 1
	MCA	23
	MOCP	30
	DIMENSIONS (WxHxD) (IN)	32 3/4"X37 13/32"X13"
	WEIGHT (LBS)	148
SCCR (AMPS)		*
MANUFACTURER		LG
INDOOR FAN COIL MODEL NO.		LSN363HLV3
CONDENSING UNIT MODEL NO.		SUN363HLV3
NOTES		ALL

NOTES:

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

AHU-12 TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE

DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX COOLING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	H.W. COIL EAT DB °F	H.W. COIL LAT DB °F	H.W. COIL EWT °F	H.W. COIL LWT °F	H.W. COIL MAX WATER P.D. (FT)	H.W. COIL MAX FLOW GPM	H.W. COIL MIN ROWS	MAX N.C.	JCI MODEL NUMBER	NOTES
VAV-12-1	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-2	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-3	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-4	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-5	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-6	6"	200	200	400	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	ALL
VAV-12-7	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	1, 3-12
VAV-12-8	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-9	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-10	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-11	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-12	6"	200	200	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-13	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-14	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-15	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-16	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-17	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-18	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-19	6"	175	175	350	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-20	6"	150	150	300	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	ALL
VAV-12-21	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	ALL
VAV-12-22	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-23	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-24	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-25	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-26	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-27	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-28	6"	200	200	375	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-29	6"	125	130	400	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12
VAV-12-30	6"	75	75	150	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-31	6"	350	350	350	8 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-06	1, 3-12
VAV-12-32	6"	75	75	75	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-33	6"	175	175	325	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-34	8"	425	425	550	10 / 12	0.25	52	95	140	110	10	1.1	2	30	TSS-08	1, 3-12
VAV-12-35	6"	150	150	150	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12
VAV-12-36	6"	75	75	150	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-37	6"	325	325	325	8 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-06	1, 3-12
VAV-12-38	10"	850	850	850	12.5 / 14	0.25	52	95	140	110	10	2.1	2	30	TSS-10	1, 3-12
VAV-12-39	6"	150	150	300	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12
VAV-12-40	6"	75	75	200	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-41	6"	200	200	250	8 / 12	0.25	52	95	140	110	10	0.5	2	30	TSS-06	1, 3-12
VAV-12-42	8"	0	0	600	10 / 12	0.25	52	95	140	110	10	0.0	2	30	TSS-08	1, 3-12
VAV-12-43	10"	250	250	775	12.5 / 14	0.25	52	95	140	110	10	0.7	2	30	TSS-10	1, 3-12
VAV-12-44	6"	300	300	300	8 / 12	0.25	52	95	140	110	10	0.8	2	30	TSS-06	1, 3-12
VAV-12-45	10"	425	425	850	12.5 / 14	0.25	52	95	140	110	10	1.1	2	30	TSS-10	1, 3-12
VAV-12-46	6"	50	65	75	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-47	6"	75	75	150	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-48	8"	225	225	450	10 / 12	0.25	52	95	140	110	10	0.6	2	30	TSS-08	1, 3-12
VAV-12-49	6"	150	150	150	8 / 12	0.25	52	95	140	110	10	0.4	2	30	TSS-06	1, 3-12
VAV-12-50	8"	0	0	600	10 / 12	0.25	52	95	140	110	10	0.0	2	30	TSS-08	1, 3-12
VAV-12-51	8"	350	350	675	10 / 12	0.25	52	95	140	110	10	0.9	2	30	TSS-08	1, 3-12
VAV-12-52	6"	75	75	75	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-53	8"	0	0	600	10 / 12	0.25	52	95	140	110	10	0.0	2	30	TSS-08	1, 3-12
VAV-12-54	6"	50	65	125	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12
VAV-12-55	8"	600	600	600	10 / 12	0.25	52	95	140	110	10	1.5	2	30	TSS-08	1, 3-12
VAV-12-56	6"	50	65	100	8 / 12	0.25	52	95	140	110	10	0.2	2	30	TSS-06	1, 3-12

NOTES:

1. MIN MBH = GPM x 15.
2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.
5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.
6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.
7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.
8. H.W. COIL SHALL BE LOCATED AT DISCHARGE OF BOX.
9. OUTLET PLENUM BY INCLUDED BY MANUFACTURER.
   COORDINATE WITH RUNOUT SIZES TO AIR DEVICES.
   PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.
10. CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.
11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:
    0 - 4.0 GPM : 3/4"
    4.1 - 8.0 GPM : 1"
    8.1 - 15.0 GPM : 1-1/4"
12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.

PUMP SCHEDULE

MARK	SERVES	TYPE	MIN. EFF. (%)	GPM	TDH (FT)	MOTOR ELECTRICAL HP	RPM	VOLT/PHASE	DRIVE	AVAILABLE FAULT (AIC)	WEIGHT (LBS)	MANUFACTURER / MODEL	NOTES
PHP-1	AHU-12	VERTICAL IN-LINE	28.6	30	5	1 / 3	2042	120 / 1	HOA	5k	41	ARMSTRONG / SERIES 4380	2,3
CHWP-3	CHILLED WATER	END SUCTION	80	860	130	50	1750	460 / 3	VFD	18k	1000	BELL & GOSSETT / 1510 - 4GB	ALL

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

* AIC RATING SHALL MEET OR EXCEED PANEL RATING

WATER COOLED CHILLER SCHEDULE

DESIGNATION	SERVES	TYPE	TONS	EVAPORATOR DATA GPM	FOUL FACT	EWT (°F)	LWT (°F)	PASS	P.D. (FT)	CONDENSER DATA GPM	FOUL FACT	EWT (°F)	LWT (°F)	PASS	P.D. (FT)	ELECTRIC DATA FLA	KW / TON	VOLTS / PH	MANUFACTURER / MODEL	NOTES
CH-3	CENTRAL PLANT	CENTRIFUGAL	430	857	0.0001	58	42	2	9.83	1310	0.00025	85	95	2	6.13	334	0.5987	460/3	YORK / YMC2-S1512BBS	ALL

NOTES:

1 VFD AND HARMONIC FILTER
2 MAINTAIN RECOMMENDED MANUFACTURER'S CLEARANCES.
3 CHILLER SHALL BE SELECTED AT 58 F EWT / 42 F LWT BUT SHALL OPERATE AT 54 F EWT / 42 F LWT.
4 SCCR: 42k

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DECKERT
NUMBER PE-2021039309
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

SCHEDULES - MECHANICAL

M08-03

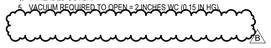
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:18:54 PM

STEAM SYSTEM ACCESSORIES SCHEDULE

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

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



(E)AHU-8 TERMINAL UNIT W/ HEATING WATER COIL SCHEDULE

DESIGNATION	BOX TYPE	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX COOLING CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	H.W. COIL EAT DB °F	H.W. COIL LAT DB °F	H.W. COIL EWT °F	H.W. COIL LWT °F	H.W. COIL MAX WATER P.D. (FT)	H.W. COIL MAX FLOW GPM	H.W. COIL MIN ROWS	MAX N.C.	JCI MODEL NUMBER	NOTES
VAV-8-12	A	6"	100	100	325	8 / 12	0.25	52	95	140	110	10	0.3	2	30	TSS-06	1, 3-12
VAV-8-13	F	16"	650	650	2,150	18 / 24	0.25	52	95	140	110	10	1.6	2	30	TSS-16	ALL
VAV-8-14	F	16"	650	650	2,150	18 / 24	0.25	52	95	140	110	10	1.6	2	30	TSS-16	1, 3-12
VAV-8-15	E	14"	600	600	2,000	17.5 / 20	0.25	52	95	140	110	10	1.5	2	30	TSS-14	1, 3-12
VAV-8-17	C	10"	250	250	825	12.5 / 14	0.25	52	95	140	110	10	0.7	2	30	TSS-10	1, 3-12
VAV-8-18	A	6"	225	225	275	8 / 12	0.25	52	95	140	110	10	0.6	2	30	TSS-06	1, 3-12

NOTES:

1. MIN MBH = GPM x 15. MIN MBH = GPM x 15.
2. PROVIDE 3 WAY VALVE AS INDICATED ON DRAWINGS.
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.
5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.
6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.
7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.
8. H.W. COIL SHALL BE LOCATED AS DISCHARGE OF BOX.
9. OUTLET PLENUM BY INCLUDED BY MANUFACTURER.
   COORDINATE WITH RUNOUT SIZES TO AIR DEVICES.
   PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.
10. CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.
11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:
    0 - 4.0 GPM : 3/4"
    4.1 - 8.0 GPM : 1"
    8.1 - 15.0 GPM : 1-1/4"
12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.

MAU TERMINAL UNIT SCHEDULE

DESIGNATION	INLET SIZE (IN)	MIN CFM	MAX HEATING CFM	MAX CFM	OUTLET SIZE (IN / IN)	VALVE MAX APD (IN WG)	MAX N.C.	JCI MODEL NUMBER	NOTES
VAV-M-1	16"	2,700	2,700	2,700	18 / 24	0.25	30	TSS-16	ALL
VAV-M-2	16"	3,120	3,120	3,120	18 / 24	0.25	30	TSS-16	ALL

NOTES:

1. MIN MBH = GPM x 15.
2. BOX HEATING AND COOLING CFM ARE PER PLANS AS FOLLOWS:
   A) COOLING CFM = BOX MAXIMUM CFM.
   B) HEATING CFM = MINIMUM COOLING CFM = BOX MINIMUM CFM.
3. UNIT MOUNTED / WIRED FACTORY CONTROL PANEL.
4. PRESSURE INDEPENDENT CONTROLS COMPATIBLE WITH BUILDING CONTROLS SYSTEM.
5. CONSTANT AIR VOLUME (CAV) BOXES SHALL BE IDENTICAL TO VARIABLE AIR VOLUME (VAV) BOXES.
6. FACTORY INTERNAL INSULATION: INTERNAL FIBER FREE CLOSED CELL INSULATION.
7. CFM DELIVERY SHALL BE ACCURATE WITHIN 5% OF FROM 25-100% OF SCHEDULED BOX CFM.
8. H.W. COIL SHALL BE LOCATED AT DISCHARGE OF BOX.
9. OUTLET PLENUM BY INCLUDED BY MANUFACTURER.
   COORDINATE WITH RUNOUT SIZES TO AIR DEVICES.
   PROVIDE TRANSITION FROM BOX OUTLET PLENUM TO DUCTWORK. UPSIZE AS REQUIRED.
10. CONTROLS SHALL BE FURNISHED AND SHIPPED TO TERMINAL BOX FACTORY BY TEMPERATURE CONTROLS MANUFACTURER. CONTROLS SHALL BE INSTALLED AT TERMINAL BOX FACTORY BY TERMINAL BOX MANUFACTURER.
11. PROVIDE PIPING CONNECTION TO TERMINAL UNIT REHEAT COILS AS SCHEDULED:
    0 - 4.0 GPM : 3/4"
    4.1 - 8.0GPM : 1"
    8.1 - 15.0 GPM : 1-1/4"
12. VAV BOXES SHALL NOT EXCEED A 95° LEAVING AIR TEMPERATURE WHEN BOX MODEL AND HEATING COIL ARE SELECTED BY MANUFACTURER.

WALL HEATER SCHEDULE

DESIGNATION	SERVES	KW	VOLTS/PH	STAGES	FAN CFM	MANUFACTURER/MODEL NO.	REMARKS/NOTES
CH-9,10	STAIRS	5	208/1	1	250	QMARK AWH-4508	1,2,3

NOTES:

1 COMPLETE WITH THERMOSTAT.
2 COMPLETE WITH FUSED DISCONNECT SWITCH.
3 FULLY RECESSED.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
STATE OF MISSOURI PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

SCHEDULES - MECHANICAL

M08-04

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.

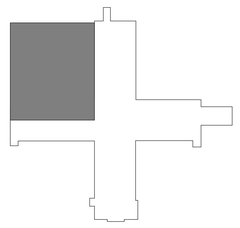
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ry23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:18:55 PM

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

GENERAL NOTES

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

LEVEL 3 - KEY PLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DICKERT NUMBER PE- 2021039309 PROFESSIONAL ENGINEER STATE OF MISSOURI
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

ATTACHED MOB ROOF DEMOLITION PLAN

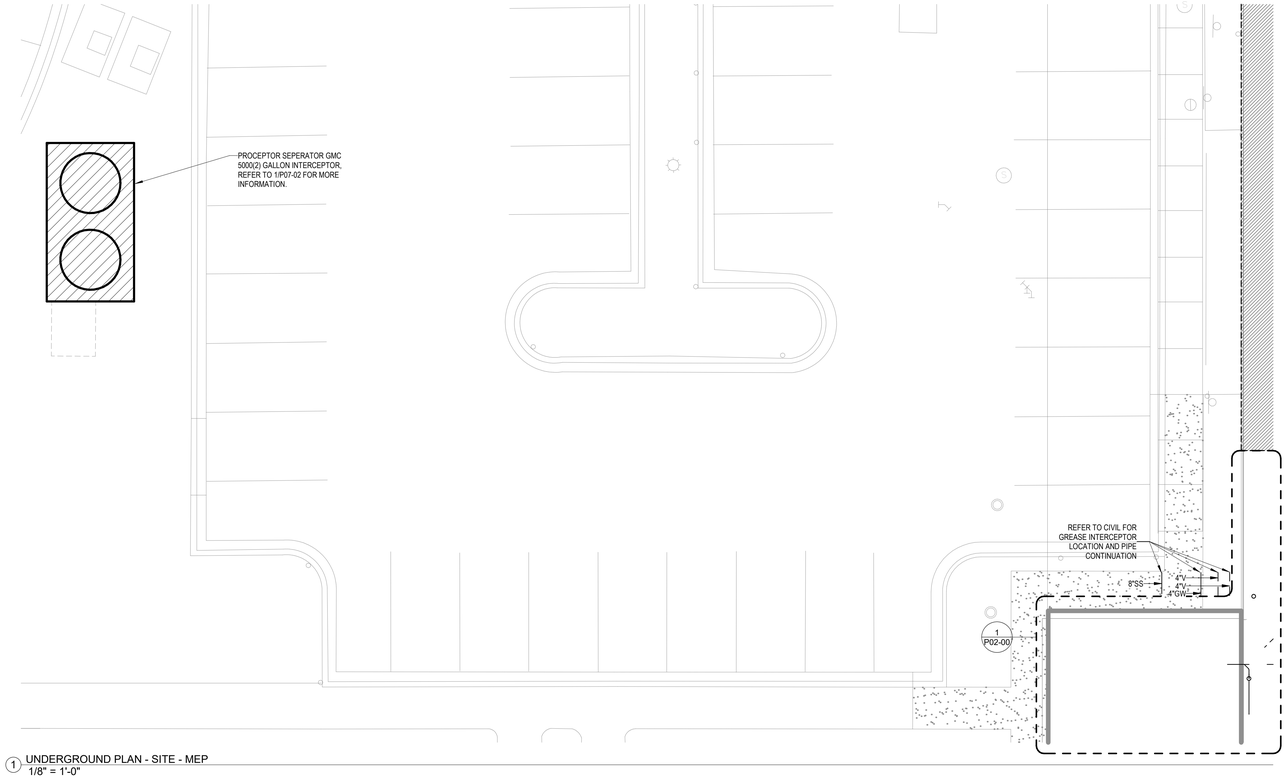
MEPD02-03

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP- LSMC Med Surg & Dietery Expansion_R23.rvt

12/4/2024 6:15:38 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 UNDERGROUND PLAN - SITE - MEP
1/8" = 1'-0"

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
JONATHAN DICKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

SITE PLAN - UNDERGROUND - MEP

MEP01-01

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.

12/4/2024 6:15:28 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ry23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

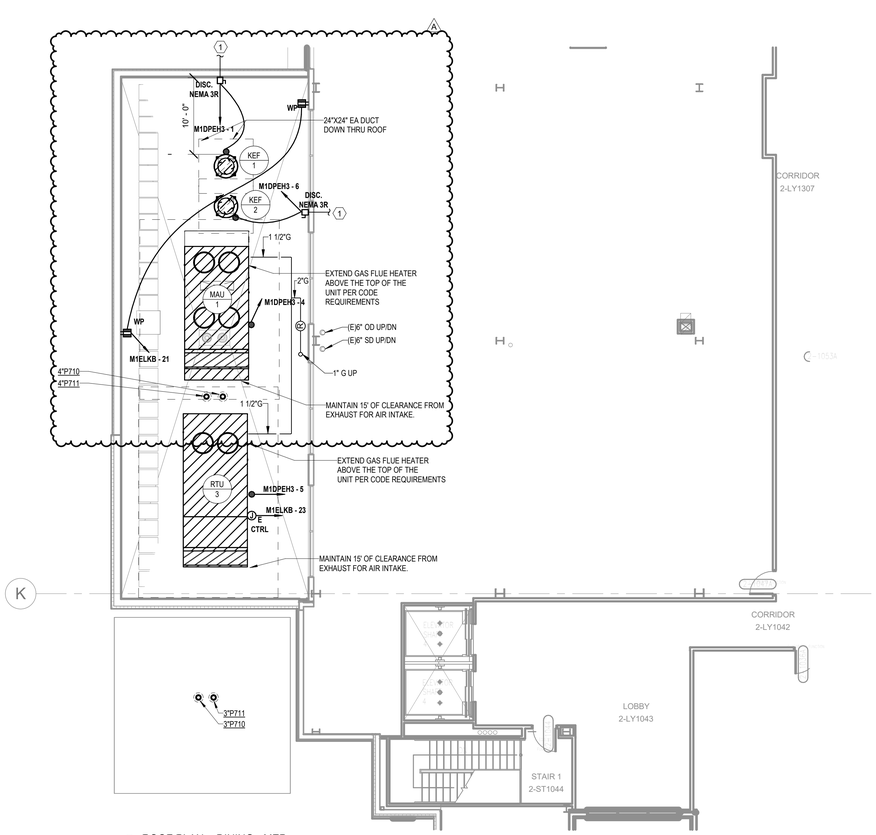
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
E. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
F. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
G. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
H. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE/SMOKE DAMPERS, VAV BOXES, FCU'S, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR
I. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

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



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

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT
NUMBER
PE-2021039309
PROFESSIONAL ENGINEER
STATE OF MISSOURI
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

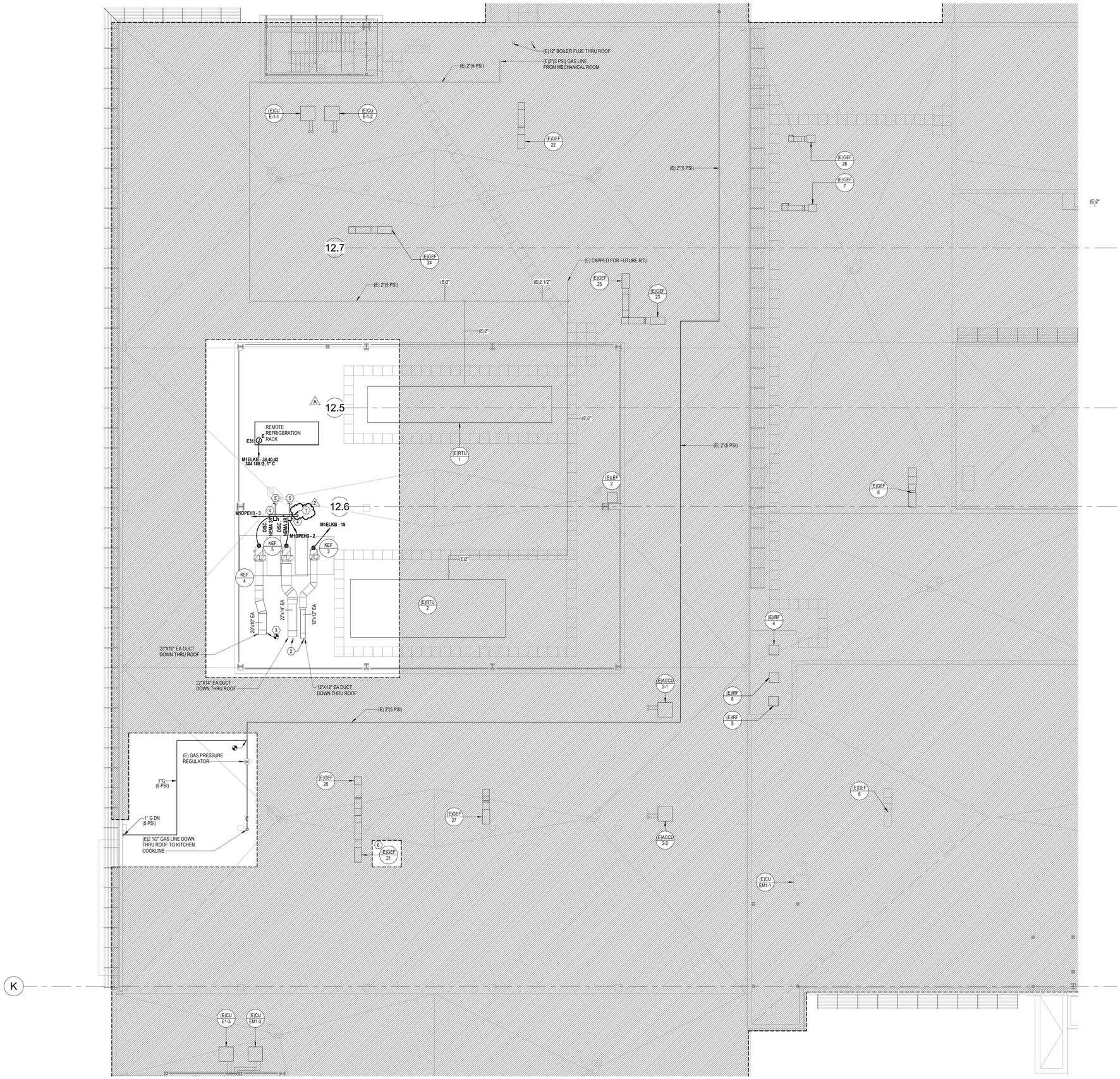
REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06

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

ROOF PLAN - AREA D - MEP

MEP02-02D

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
2/6/2025 4:18:59 PM



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

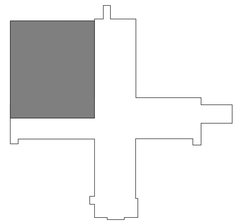
GENERAL NOTES

A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
E. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
F. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
G. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
H. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE/SMOKE DAMPERS, VAV BOXES, FCU'S, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR.
I. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

1. MOUNT ELECTRICAL DEVICES TO UNISTRUT.
2. USE EXISTING EA ROOF PENETRATION FOR NEW EXHAUST DUCTWORK.
3. CONNECT TO EXISTING 10"X20" EA DUCTWORK IN SHAFT.
4. CONNECT DISCONNECT SWITCH WITH RESPECTIVE VARIABLE FREQUENCY DRIVE (VFD) LOCATED IN ELECTRICAL ROOM ME1072 ON 1ST FLOOR. REFER TO VIEW 5/E05-01 FOR ADDITIONAL INFORMATION.
5. DISCONNECT SWITCHES INSTALLED ON THE LOAD SIZE OF VFD SHALL BE EQUIPPED WITH INTERLOCK ACCESSORY AUXILIARY CONTACTS, WHICH "BREAK" BEFORE THE SAFETY SWITCH IS OPEN. PROVIDE CONDUIT WITH INTERLOCK WIRING FROM DISCONNECT SWITCH AUXILIARY CONTACTS TO VFD, AND CONNECT AS REQUIRED TO SHUTDOWN VFD PRIOR TO DISCONNECTING POWER TO THE MOTOR.
6. CONTRACTOR SHALL CONDUCT PRE-CONSTRUCTION TAB READINGS FOR (E)GEF-21.

LEVEL 3 - KEY PLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DECKERT NUMBER PE-2021039309
07/30/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
2	DESIGN COORDINATION	2025/07/25

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

ATTACHED MOB ROOF PLAN - MEP

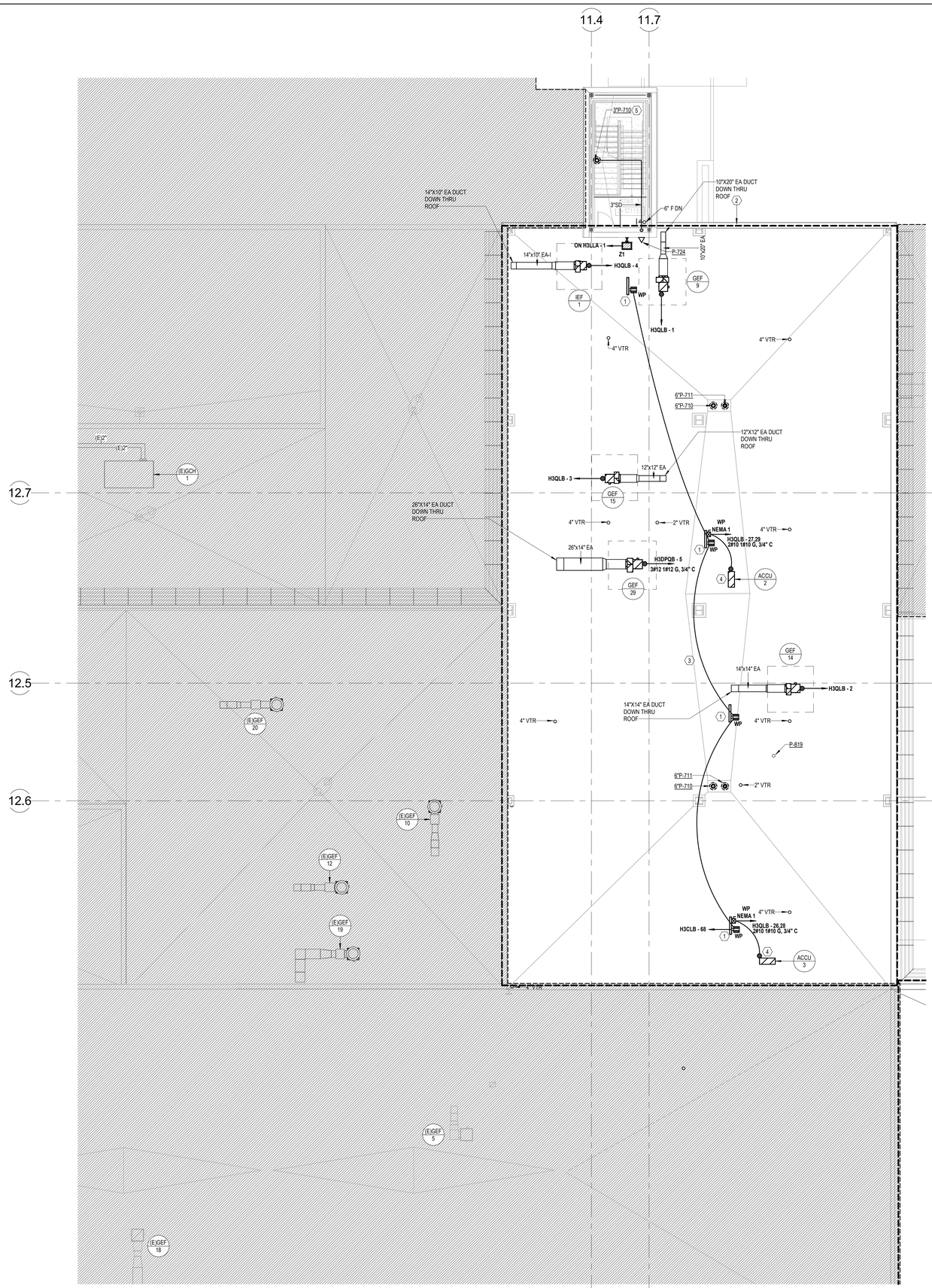
MEP02-03

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

7/21/2025 1:41:08 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 ROOF PLAN - AREA A - MEP
1/8" = 1'-0"

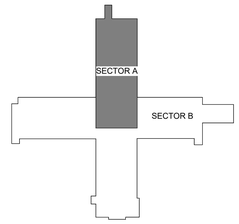
GENERAL NOTES

A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
E. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
F. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
G. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
H. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE/SMOKE DAMPERS, VAV BOXES, FCU'S, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR
I. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

1. MOUNT ELECTRICAL DEVICES TO UNISTRUT.
2. REINSTALL LIGHTNING PROTECTION SYSTEM REMOVED DURING DEMOLITION. MATCH ORIGINAL CONDUCTOR SIZES AND INSTALLATION. CONNECT NEW PLUMBING VENTS, ROOF DRAINS, OVERFLOWS, ETC. TO LIGHTNING PROTECTION SYSTEM WITH MATCHING CONDUCTOR SIZES AND BONDING.
3. EXISTING ROOF MOUNTED ANTENNAS SHALL BE COORDINATED WITH VENDORS TO BE RELOCATED TO OTHER ROOF LOCATIONS OR NEW ROOF. EXISTING CABLING SHALL BE RELOCATED/REPULLED TO NEW LOCATIONS AS REQUIRED.
4. SIZE & ROUTE REFRIGERANT PIPING FROM ACCU TO CORRESPONDING AC UNIT PER MANUFACTURER'S REQUIREMENTS.
5. ROUTE 3" STORM PIPING FROM NEW 3" ROOF DRAIN DOWN INTERIOR OF EXTERIOR WALL AND ELBOW THROUGH WALL TO DISCHARGE TO ROOF.

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

JONATHAN DICKERT NUMBER PE- 2021039309
PROFESSIONAL ENGINEER
STATE OF MISSOURI
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

ROOF PLAN - AREA A - MEP

MEP02-04A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:15:34 PM

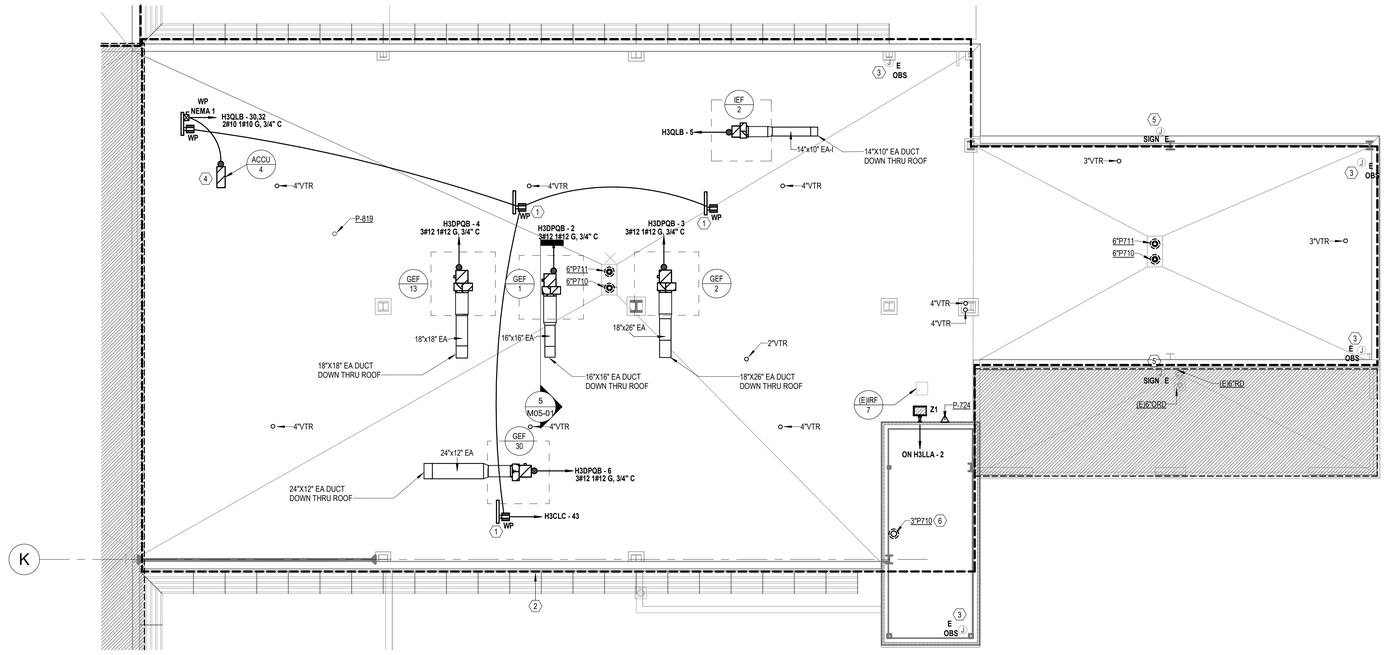
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

A. REFER TO M00-00 FOR GENERAL MECHANICAL NOTES AND SYMBOLS.
B. CONTRACTOR TO VERIFY EXISTING CONDITIONS. EXISTING WORK SHOWN IS APPROXIMATE AND REPRESENTATIVE OF EXISTING DESIGN AND AS-BUILT DRAWINGS.
C. PROVIDE REMOTE ADJUSTABLE DAMPERS FOR ANY BALANCING DAMPERS LOCATED ABOVE HARD CEILINGS.
D. ACCESS PANELS TO BE PROVIDED FOR ANY MECHANICAL EQUIPMENT OR MECHANICAL DEVICES REQUIRING SERVICE LOCATED ABOVE HARD CEILINGS.
E. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
F. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
G. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES
H. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE/SMOKE DAMPERS, VAV BOXES, FCU'S, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR
I. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

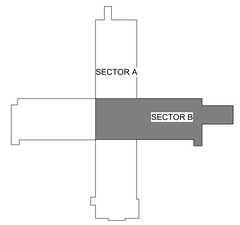
LEGEND NOTES

1. MOUNT ELECTRICAL DEVICES TO UNISTRUT.
2. REINSTALL LIGHTNING PROTECTION SYSTEM REMOVED DURING DEMOLITION. MATCH ORIGINAL CONDUCTOR SIZES AND INSTALLATION. CONNECT NEW PLUMBING VENTS, ROOF DRAINS, OVERFLOWS, ETC. TO LIGHTNING PROTECTION SYSTEM WITH MATCHING CONDUCTOR SIZES AND BONDING.
3. CONNECT RELOCATED OBSTRUCTION LIGHTS TO EXISTING CIRCUIT. PROVIDE NEW WIRING AND PATHWAYS AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.
4. SIZE & ROUTE REFRIGERANT PIPING FROM ACCU TO CORRESPONDING AC UNIT PER MANUFACTURERS REQUIREMENTS.
5. CONNECT RELOCATED EXTERIOR SIGNAGE TO EXISTING CIRCUIT. PROVIDE NEW WIRING AND PATHWAYS AS REQUIRED.
6. ROUTE 3" STORM PIPING FROM NEW 3" ROOF DRAIN DOWN INTERIOR OF EXTERIOR WALL AND ELBOW THROUGH WALL TO DISCHARGE TO ROOF.



1 ROOF PLAN - AREA B - MEP
1/8" = 1'-0"

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
JONATHAN DICKERT
NUMBER PE-2012039309
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

ROOF PLAN - AREA B - MEP

MEP02-04B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:15:36 PM

A. SUPPLEMENTAL GENERAL CONDITIONS

1. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE WITH ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING ELECTRICAL SYSTEM IN SAFE WORKING ORDER.
2. SYMBOLS FOR VARIOUS ELEMENTS AND SYSTEMS ARE SHOWN ON THE DRAWINGS. SHOULD THERE BE ANY DOUBT REGARDING THE MEANING OR INTENT OF THE SYMBOLS USED, AN INTERPRETATION SHALL BE OBTAINED FROM THE ARCHITECT IN WRITING. THE DECISION OF THE ARCHITECT SHALL BE FINAL.
3. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO EXAMINE THE CONTRACT DOCUMENTS CAREFULLY BEFORE SUBMITTING THEIR BID, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION, CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION. SHOULD ANY OF THESE ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES EXIST, THE CONTRACTOR SHALL HAVE THEM EXPLAINED AND ADJUSTED IN WRITING BEFORE SIGNING THE CONTRACT OR PROCEEDING WITH THE WORK; OTHERWISE, THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, SUPPLY THE PROPER MATERIALS AND LABOR TO MAKE GOOD ANY DAMAGE OR DEFECTS IN THEIR WORK OR THE RESULTS OBTAINED THEREFROM, CAUSED BY SUCH DISCREPANCY.
4. 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.
5. THE SCALE OF EACH DRAWING IS RELATIVELY ACCURATE; ANY DIMENSIONS SHOWN ARE APPROXIMATE TO CENTERLINE FROM ASSUMED BUILDING PERIMETER. THE CONTRACTOR SHALL OBTAIN THE NECESSARY DIMENSIONS FOR ANY EXACT TAKEOFFS FROM THE ARCHITECT. NO ADDITIONAL COST TO THE OWNER WILL BE CONSIDERED FOR FAILURE TO OBTAIN EXACT DIMENSIONS WHERE NOT CLEAR OR IN ERROR ON THE DRAWINGS. ANY DEVICE OR FIXTURE ROUGHED IN IMPROPERLY AND NOT POSITIONED ON IMPLIED CENTER-LINES OR AS REQUIRED BY GOOD PRACTICE MUST BE REPOSITIONED AT NO COST TO THE OWNER.
6. THE CONTRACTOR IS RESPONSIBLE FOR FILING AND PAYING ALL FEES AND OBTAINING NECESSARY PERMITS AND CERTIFICATES OF INSPECTION. THE CONTRACTOR SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER INCLUDING COPIES WITH MAINTENANCE MANUALS.
7. ONLY EXPERIENCED CRAFTSMEN KNOWLEDGEABLE IN THEIR RESPECTIVE TRADE SHALL PERFORM THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA STANDARD 70 (NATIONAL ELECTRICAL CODE). CONTRACTOR SHALL ALSO CONFORM TO ALL APPLICABLE LOCAL CODES AND AMENDMENTS.
9. 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 SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND WITHIN THEIR LISTING/LABELING REQUIREMENTS AND RESTRICTIONS.
10. PROVIDE SHOP DRAWINGS FOR ENGINEER'S REVIEW FOR ALL ELECTRICAL EQUIPMENT, DEVICES, AND MATERIALS PROPOSED TO BE PROVIDED 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

1. PROVIDE AN IDENTIFICATION NAMEPLATE FOR EACH ELECTRICAL EQUIPMENT, APPURTENANCE DEPICTING THE DESIGNATION INDICATED ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. WEATHERPROOF ENCLOSURES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT, DEVICES AND APPURTENANCES (ALL SYSTEMS) INSTALLED OUTDOORS.
3. COORDINATE AND SCHEDULE ALL POWER OUTAGES WITH OWNER. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
4. 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.
5. DO NOT USE PERMANENT INK WHEN MAKING FIELD MARKINGS OR TEMPORARY CIRCUIT LABELS ON PANELS. CONTRACTOR SHALL USE REMOVABLE TAPE/TAGS FOR ALL TEMPORARY MARKINGS AND SHALL REMOVE THESE TEMPORARY MARKINGS AT THE CONCLUSION OF THIS PROJECT.

C. SITE WORK

1. 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.
2. COORDINATE ALL ELECTRICAL UTILITY SERVICE REQUIREMENTS WITH UTILITIES REPRESENTATIVE PRIOR TO COMMENCING ANY ELECTRICAL SITE WORK. CONTRACTOR SHALL SCHEDULE ALL NECESSARY MEETINGS BETWEEN UTILITY COMPANIES CONSTRUCTION FOREMAN, ELECTRICAL SUBCONTRACTORS, AND VARIOUS SUBCONTRACTORS RESPONSIBLE FOR SITE CONSTRICTION PRIOR TO ELECTRICAL ROUGH-IN.

D. CONDUIT & RACEWAY

1. 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 WALLS, CEILINGS, COLUMNS, ETC., SO AS TO TAKE UP MINIMUM AMOUNT OF SPACE. ALL OFFSETS, FITTINGS, ETC., REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WORK SHALL BE COORDINATED WITH OTHER TRADES.
2. CONDUIT RUNS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NFPA 70 AND FOR COORDINATION WITH OTHER DISCIPLINES.
3. PENETRATIONS OF WALLS, FLOORS, AND ROOFS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF, AND FIRE PROOF INTEGRITY OF THE WALL, FLOOR, OR ROOF SYSTEM PENETRATED.
4. 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.
5. ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE MADE IN ACCORDANCE WITH U.L. "FIRE RESISTANCE DIRECTORY". PENETRATIONS SHALL BE SLEEVED AND SEALED WITH A UL APPROVED FIRE RATED SEALANT. REFER TO ARCHITECTURAL PLANS FOR FIRE RATED WALLS.
6. ALL EMPTY CONDUIT SYSTEMS SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.

E. BRANCH CIRCUITS AND FEEDERS

1. CIRCUITING IS SHOWN DIAGRAMMATICALLY. HOMERUNS SHALL BE COMBINED WHERE POSSIBLE IN ACCORDING TO NFPA 70.
2. 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.
3. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS SHALL BE COPPER, 98% CONDUCTIVITY CONTINUOUS FROM OUTLET TO OUTLET.
4. UNLESS OTHERWISE INDICATED, CONDUCTOR SIZES #12 AWG AND #10 AWG SHALL BE SOLID. CONDUCTOR SIZES #8 AWG AND LARGER MAY BE STRANDED.
5. 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.
6. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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

1. 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.
2. PROVIDE AND INSTALL ALL SUPPORTS FOR LIGHT FIXTURES. SUPPORTS SHALL BE INDEPENDENT OF THE CEILING GRID SUPPORT SYSTEM.
3. 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.
4. IN INSTANCES WHERE A TRACK LIGHTING SYSTEM, DIMMING SYSTEM, AND/OR LIGHTING CONTROL SYSTEM IS SPECIFIED, THE CONTRACTOR SHALL COORDINATE ALL NECESSARY COMPONENTS OF SUCH SYSTEM(S) WITH THE MANUFACTURER PRIOR TO BID AND INCLUDE ALL NECESSARY ACCESSORIES TO INSTALL A COMPLETE AND FUNCTIONING SYSTEM.

H. MECHANICAL & PLUMBING COORDINATION

1. 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.
2. 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.
3. ALL FUSED SWITCH AND/OR CIRCUIT BREAKERS SERVING EQUIPMENT SHALL HAVE PROVISIONS FOR HANDLE LOCKS.
4. ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BEAR AN 'HACR' RATING.
5. ALL DISCONNECTS DOWN STREAM OF VFDs SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN UPSTREAM VFD WHEN SWITCH IS OPENED.
6. COORDINATE BETWEEN TRADES AND PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC, AS REQUIRED TO ENSURE A COMPLETE, FULLY FUNCTIONAL HVAC SYSTEM. SHOULD AN EXACT CIRCUIT NUMBER NOT BE INDICATED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL UTILIZE AVAILABLE 20A/1P SPACE FROM THE NEAREST 208V/120V PANEL OR FROM BUILDING CONTROL POWER DISTRIBUTION SYSTEM.

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

1. CONTRACTOR SHALL PROVIDE AND INSTALL AN EMPTY 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.

J. DEMO GENERAL NOTES

1. PROVIDE UPDATED, TYPE WRITTEN DIRECTORY OF ALL CORRECT CIRCUITS WITH LOAD DEFINITIONS FOR EACH PANEL BOARD. DIRECTORY SHALL BE LOCATED INSIDE PANEL DOOR.
2. INFORMATION PROVIDED ON THESE DRAWINGS HAVE BEEN TAKEN FROM DESIGN DRAWING AND FIELD OBSERVATIONS CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PRICING AND COMMENCEMENT OF WORK.
3. WHERE EXISTING WALLS ARE DEMOLISHED, REMOVE ALL EXISTING ELECTRICAL DEVICES AND THEIR ASSOCIATED CONDUITS AND WIRING BACK TO THE POINT OF ORIGINATION. ENERGIZE ALL EXISTING DEVICES THAT WERE INTERRUPTED DURING DEMOLITION. WHERE ENTIRE CIRCUITS ARE REMOVED, TURN THE CIRCUIT BREAKER OFF AND LABEL AS "SPARE".
4. PROVIDE FOR ANY AND ALL DEMOLITION WORK NECESSARY TO ACCOMMODATE ALL NEW CONSTRUCTION, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING OR ELECTRICAL WORK.
5. 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.
6. DESIGNATION 'EX' REPRESENTS EXISTING DEVICE OR LIGHT FIXTURE TO REMAIN AS CIRCUITED AND SWITCHED UNLESS NOTED OTHERWISE. EXISTING LIGHT FIXTURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
7. A DEVICE WITH AN 'X' INDICATES EXISTING DEVICE TO BE REMOVED INCLUDING ALL ASSOCIATED CONDUIT AND WIRING.
8. A DEVICE WITH AN 'R' INDICATES EXISTING DEVICE TO BE RELOCATED INCLUDING ALL ASSOCIATED CONDUIT AND WIRING.
9. 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.
10. WHERE EXISTING MECHANICAL/PLUMBING EQUIPMENT IS DEMOLISHED, REMOVE ALL RELATED ELECTRICAL FEEDS TO THE EQUIPMENT AND THEIR ASSOCIATED CONDUITS BACK TO THE POINT OF ORIGINATION.
11. REFER TO ARCHITECTURAL PLANS FOR AREAS WHERE CEILING IS DEMOLISHED. REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED CONDUIT AND WIRING FROM THESE LOCATIONS.
12. ALL REMOVED RECEPTACLES WITHIN THE PROJECT SCOPE SHALL BE HOSPITAL GRADE TYPE. IF A DEVICE IS INDICATED AS EXISTING TO REMAIN AND IS NOT A HOSPITAL GRADE RECEPTACLE, REPLACE THE EXISTING DEVICE WITH A HOSPITAL GRADE RECEPTACLE AND RECONNECT TO EXISTING CIRCUIT.
13. ALL LIGHTING FIXTURES DEMOLISHED UNDER THESE DRAWINGS SHALL BE RETURNED TO THE OWNER.

FIRE ALARM SYSTEM

FIRE ALARM SYSTEMS IS A DELGATED DESIGN. THESE DRAWINGS ARE INTENDED TO SHOW GENERAL GUIDELINES FOR THE PLACEMENT OF FIRE ALARM DEVICES AS THEY RELATE TO OTHER (NON-FIRE ALARM) SYSTEMS AND FOR PERMITTING PURPOSES. THE FINAL FIRE ALARM PLANS TO BE SUBMITTED FOR AHJ APPROVAL SHALL BE PRODUCED AND SEALED BY A NICET LEVEL III CERTIFIED DESIGNER; REFER TO THE SPECIFICATIONS (PROJECT MANUAL) FOR FURTHER REQUIREMENTS. THE DESIGNER SHALL PROVIDE ALL DEVICES SHOWN ON THESE DRAWINGS AND ANY ADDITIONAL DEVICES OR COMPONENTS REQUIRED FOR A COMPLETE SYSTEM. IF OTHER DEVICES ARE ANTICIPATED TO BE REQUIRED FOR SYSTEM FUNCTIONALITY, COMPLIANCE WITH NATIONAL AND LOCAL CODES OR APPROVAL OF THE AHJ, THE CONTRACTOR SHALL QUALIFY THEIR BID AND SHALL PROVIDE AN ADD ALTERNATE PRICE MAKING 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	2018 INTERNATIONAL MECHANICAL CODE
PLUMBING	2018 INTERNATIONAL PLUMBING CODE
FIRE	2018 INTERNATIONAL FIRE CODE
ELECTRICAL	2017 NATIONAL ELECTRICAL CODE
LATITUDE:	38.9108° DEGREES NORTH
ELEVATION: FT. ABOVE SEA LEVEL	738 FT

ELECTRICAL ABBREVIATIONS

AFC	ABOVE FINISHED COUNTER	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AHJ	AUTHORITY HAVING JURISDICTION	MTD	MOUNT OR MOUNTED
ATS	AUTOMATIC TRANSFER SWITCH	MW	MICROWAVE
BFC	BELOW FINISHED CEILING	N	NEW DEVICE
BOF	BOTTOM OF FIXTURE	NC (N.C.)	NORMALLY CLOSED
C	CONDUIT	NEC	NATIONAL ELECTRIC CODE
CB,C/B OR CKT BKR	CIRCUIT BREAKER	NF	NONFUSED
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT T.V.	NL	NIGHT LIGHT
CLG	CEILING	NO (N.O.)	NORMALLY OPEN
CR	CRITICAL (EMERGENCY SYSTEM)	PB	PULL BOX
CUH	CABINET HEATER	PLGMLD	PLUGMOLD
EC	EMPTY CONDUIT	PNL	PANEL
ELEC	ELECTRIC	PWR	POWER
E	EMERGENCY	R	RELOCATED DEVICE
EMS	ENERGY MANAGEMENT SYSTEM	RCPT(S) OR RECEPT	RECEPTACLE(S)
EP	EXPLOSION PROOF	REF	REFRIGERATOR
EWC	ELECTRIC WATER COOLER	RF	RETURN AIR FAN
EX	EXISTING	SEF	SMOKE EXHAUST FAN
F	FUSE	SF	SUPPLY AIR FAN
FA	FIRE ALARM	SO (S.O.)	SPACE ONLY
FACP, FAP	FIRE ALARM CONTROL PANEL	SP	SPARE
FCU	FAN COIL UNIT	ST (S.T.)	SHUNT TRIP
FIXT	FIXTURE	SW	SWITCH
FLR	FLOOR	TEL	TELEPHONE
FLUOR	FLUORESCENT	TF	TRANSFER FAN
FTP, FTS OR	FAN TERMINAL UNIT	TP	TAMPER PROOF
FTU		TV	TELEVISION
FUT	FUTURE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
G, GND	GROUND (EQUIPMENT)	UF	UDERFLOOR
GEF	GENERAL EXHAUST FAN	UG	UNDERGROUND
GEN	GENERATOR	UH	UNIT HEATER
GFCI, GFI	GROUND FAULT CIRCUIT INTERRUPTER	UNO (U.N.O.)	UNLESS NOTED OR INDICATED OTHERWISE
HOA	HAND-OFF-AUTO	V	VOLTAGE
HP	HORSE POWER	VFD	VARIABLE FREQUENCY DRIVE
HV	HIGH VOLTAGE	VP	VAPOR PROOF
HWAT	HEAT TRACE	VV	VARIABLE VOLUME UNIT
IC	INTERRUPTING CAPACITY	W	WIRE
ICAND	INCANDESCENT	W/	WITH
IG	ISOLATED GROUND	WG	WIRE GUARD
IGF	GROUND FAULT INDICATION ONLY	WP	WEATHER PROOF
JB	JUNCTION BOX	WT	WATER TIGHT
KEF	KITCHEN EXHAUST FAN	XFMR	TRANSFORMER MOUNTING
LTG	LIGHTING	+xx	HEIGHT IN INCHES. AFF UNO.
LTS	LIGHTS	UCR	UNCER CABINET REFRIGERATOR
LV	LOW VOLTAGE		
MATV	MASTER ANTENNA		
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		
MDP	MAIN DISTRIBUTION PANEL		

FIRE ALARM SYMBOLS LEGEND

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

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

ONE-LINE DIAGRAM & RISER SYMBOLS LEGEND

	AUTOMATIC / MANUAL TRANSFER SWITCH - PROGRAMMED OR DELAYED TRANSITION		AUTOMATIC / MANUAL TRANSFER SWITCH - BYPASS ISOLATION
XX/XXX	DISCONNECT AMPS / FUSE / POLES	AAAA BBBB	FEEDER TAG. REFER TO FEEDER SCHEDULE FOR NUMBER AND SIZE OF CONDUCTORS AND CONDUIT. A-ALUMINUM C-COPPER
XX	MOTOR XX = HORSE POWER		GROUNDING ELECTRODE
XXX	BRANCH PANEL XXX = PANEL NAME	T-XXX XXkVA	TRANSFORMER
AT	BOLT ON CIRCUIT BREAKER AT = TRIP RATING	AF AT	DRAW OUT CIRCUIT BREAKER AT = TRIP RATING AF = FRAME SIZE

LSIG ELECTRONIC TRIP FUNCTIONS
L = LONG TIME SETTING
S = SHORT TIME SETTING
I = INSTANTANEOUS SETTING
G = GROUND FAULT SETTING
A = INDICATION GROUN FAULT (GROUND FAULT ALARM ONLY)

GENERAL NOTATIONS AND MOUNTING HEIGHTS

NOTE 1: ALL MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE, UNLESS OTHERWISE INDICATED.
A) 48" AFF INDICATES TO TOP OF DEVICE;
B) 15" AFF INDICATES TO BOTTOM OF DEVICE;
C) 60" AFF INDICATES TO BOTTOM OF DEVICE;
D) 80" AFF INDICATES TO BOTTOM OF DEVICE;

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

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

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

02/E7.01 E5.01 - DENOTES: REFERENCE DETAIL 02 ON DRAWING (SHEET) E7.01

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

717629 OR 717829 - EQUIPMENT (ID) NUMBER FOR OWNER PROVIDED EQUIPMENT. REFER TO OWNER'S EQUIPMENT BOOK / FF&E DOCUMENTS FOR DEFINITION AND REQUIREMENTS.

LIGHTNING PROTECTION

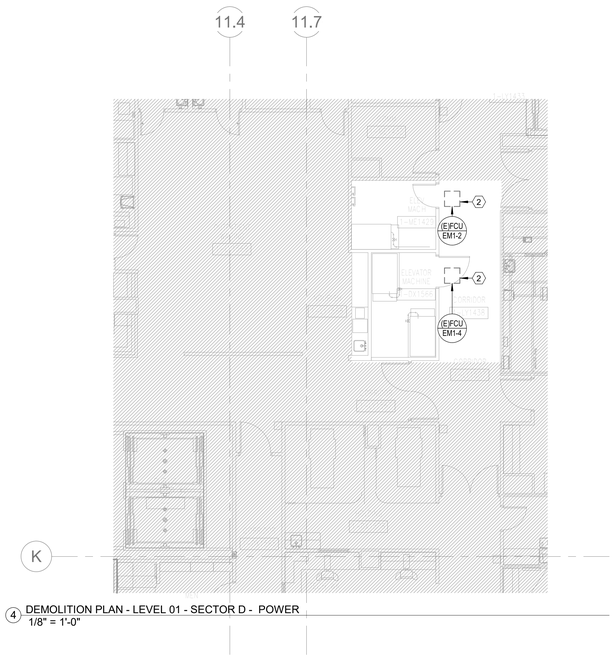
LIGHTNING PROTECTION SYSTEM IS A DELEGATED DESIGN. THESE DRAWINGS DO NOT INDICATE SYSTEM REQUIREMENTS. REFER TO THE SPECIFICATIONS (PROJECT MANUAL) FOR SYSTEM REQUIREMENTS. THESE DRAWINGS ARE INTENDED TO SHOW LOCATIONS OF EQUIPMENT FOR WHICH LIGHTNING PROTECTION WILL NEED TO COORDINATE WITH. THE DESIGNER SHALL PROVIDE ANY AND ALL DEVICES FOR A COMPLETE SYSTEM. PROVIDE PLANS TO BE SUBMITTED FOR AHJ APPROVAL SHALL BE PRODUCED BY A QUALIFIED INDIVIDUAL OR FIRM.

NFPA CLASS COMPONENTS: (75'<X) II

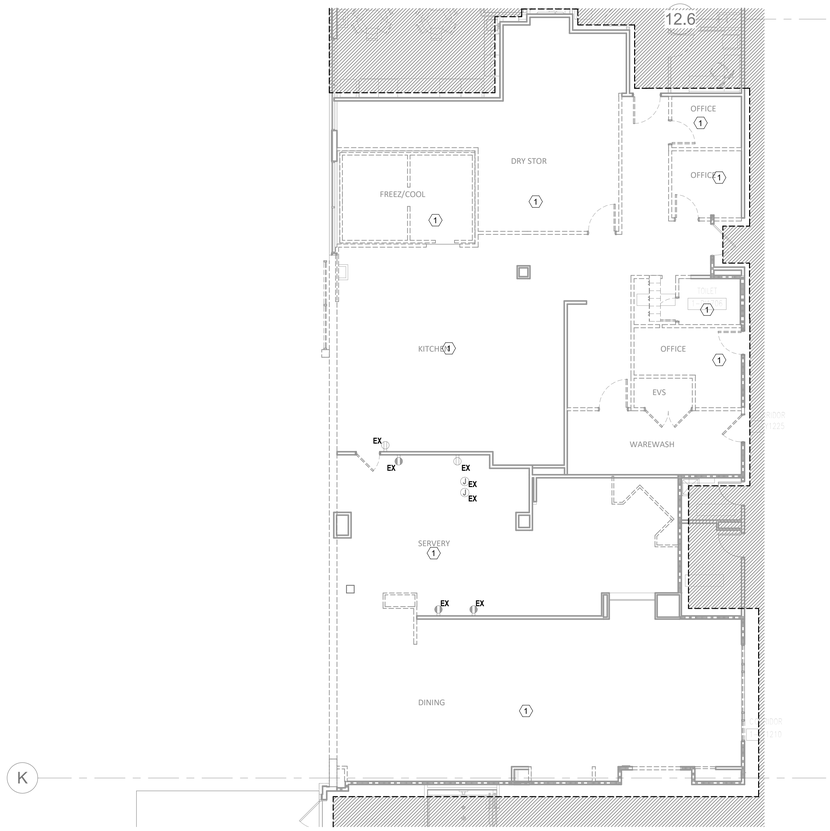
POWER SYMBOLS LEGEND

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

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	SINGLE RECEPTACLE - 20A/125V/2P/3W/G



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



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

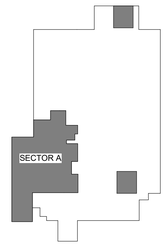
GENERAL DEMO NOTES

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 EXISTING POWER DEVICES, FIRE ALARM DEVICES, AND LIGHTING FIXTURES IN THIS ROOM/AREA TO BE DEMOLISHED, UNLESS NOTED OTHERWI
2 EXISTING FCU IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTER(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 THE UPSTREAM BREAKER AS A SPARE.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WSP USA Buildings Inc. 2013001881

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2010046124
PROFESSIONAL ENGINEER
12/05/2024

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

ED02-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:53:1 PM

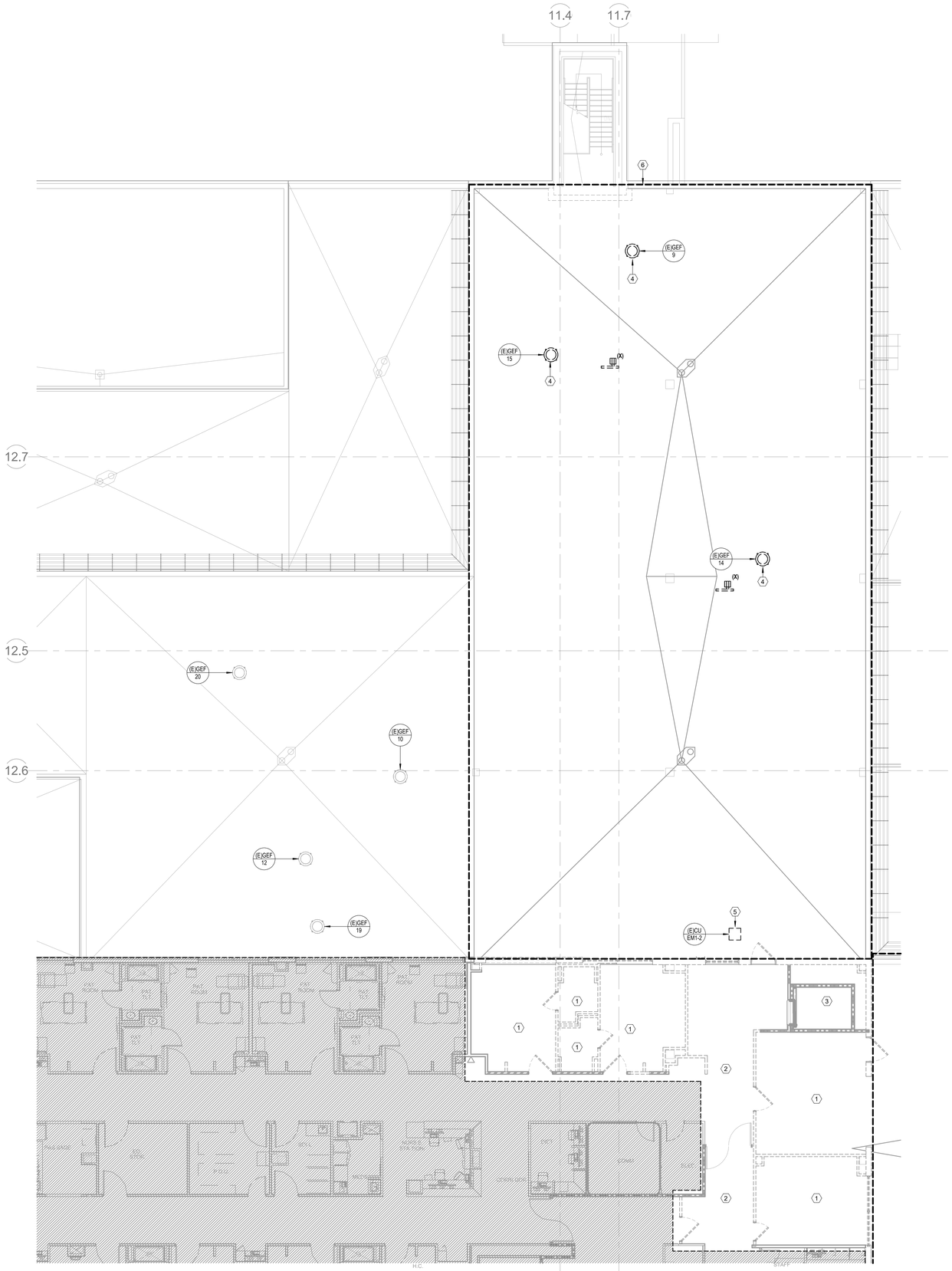
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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 EXISTING POWER DEVICES, FIRE ALARM DEVICES, AND LIGHTING FIXTURES IN THIS ROOM/AREA TO BE DEMOLISHED, UNLESS NOTED OTHERWI
2 EXISTING CEILING MOUNTED FIRE ALARM DEVICES AND EXISTING LIGHT FIXTURES IN THIS AREA TO BE RELOCATED. REFER TO ARCHITECTURAL DRAWINGS AND SHEET SERIES E03 AND E04 FOR RELOCATED LOCATION.
3 ALL EXISTING ELECTRICAL CONDUIT, CONDUCTORS, AND DEVICES SERVING THIS SPACE ARE TO REMAIN UNLESS NOTED OTHERWISE
4 EXISTING EXHAUST FAN IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTER(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 THE UPSTREAM BREAKER AS A SPARE.
5 EXISTING CONDENSING UNIT IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTER(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 THE UPSTREAM BREAKER AS A SPARE.
6 REMOVE ALL EXISTING LIGHTNING PROTECTION AIR TERMINALS AND THROUGH-ROOF CONNECTORS AND ASSOCIATED CABLING AND BONDING CONNECTIONS WITHIN BOUNDARY.


11.4
11.7
12.7
12.5
12.6
(E)GEF 9
(E)GEF 15
(E)GEF 14
(E)GEF 20
(E)GEF 10
(E)GEF 12
(E)GEF 19
(E)CU EM1-2
(X)
4
5
6
1
2
3
PHYS. THERAPY
PHYS. THERAPY
PHYS. THERAPY

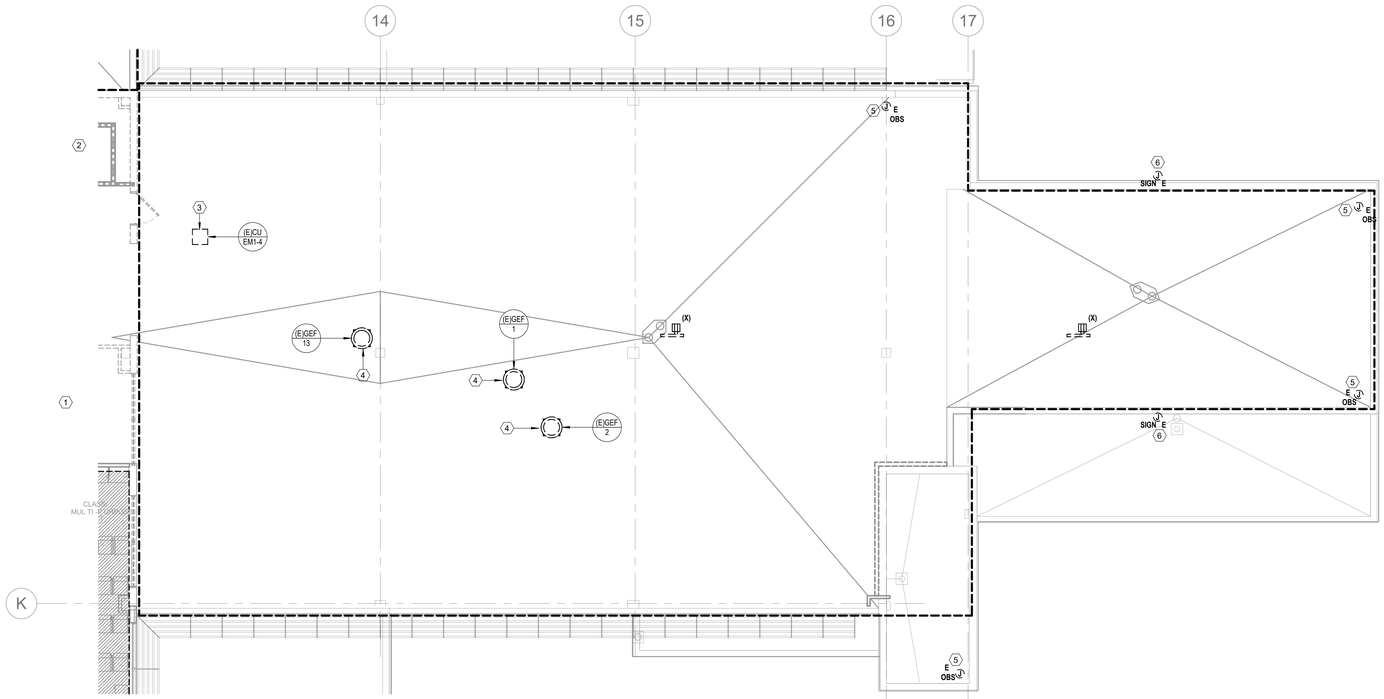
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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.

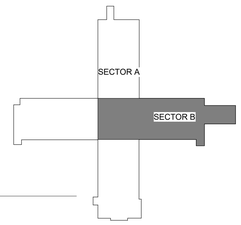
LEGEND NOTES

1 EXISTING POWER DEVICES, FIRE ALARM DEVICES, AND LIGHTING FIXTURES IN THIS ROOM/AREA TO BE DEMOLISHED, UNLESS NOTED OTHERWI
2 ALL EXISTING ELECTRICAL CONDUIT, CONDUCTORS, AND DEVICES SERVING THIS SPACE ARE TO REMAIN UNLESS NOTED OTHERWISE
3 EXISTING CONDENSING UNIT IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTER(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 THE UPSTREAM BREAKER AS A SPARE.
4 EXISTING EXHAUST FAN IS BEING REMOVED IN DEMOLITION SCOPE; ALL ASSOCIATED EXISTING STARTER(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 THE UPSTREAM BREAKER AS A SPARE.
5 REMOVE EXISTING OBSTRUCTION LIGHTS. EXTEND AND RELOCATE TO NEW LOCATION INDICATED ON SHEET MEP02-04E. RECONNECT TO EXISTING CIRCUIT.
6 REMOVE EXISTING POWER FOR EXTERIOR SIGNAGE. EXTEND AND RELOCATE TO NEW LOCATION INDICATED ON SHEET MEP02-04E. RECONNECT TO EXISTING CIRCUIT.



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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

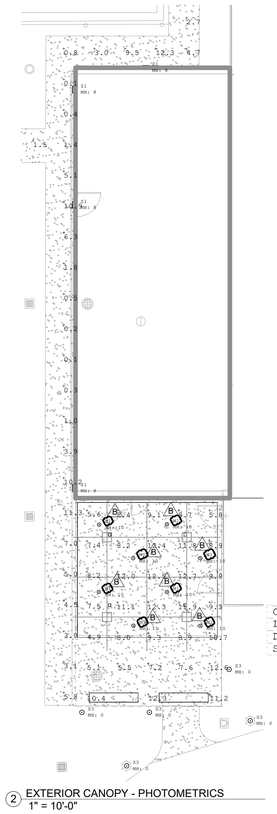
REVISIONS		
REV #	DESCRIPTION	DATE

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

DEMOLITION PLAN - LEVEL 03 - SECTOR B - ELECTRICAL

ED02-03B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:53:36 PM



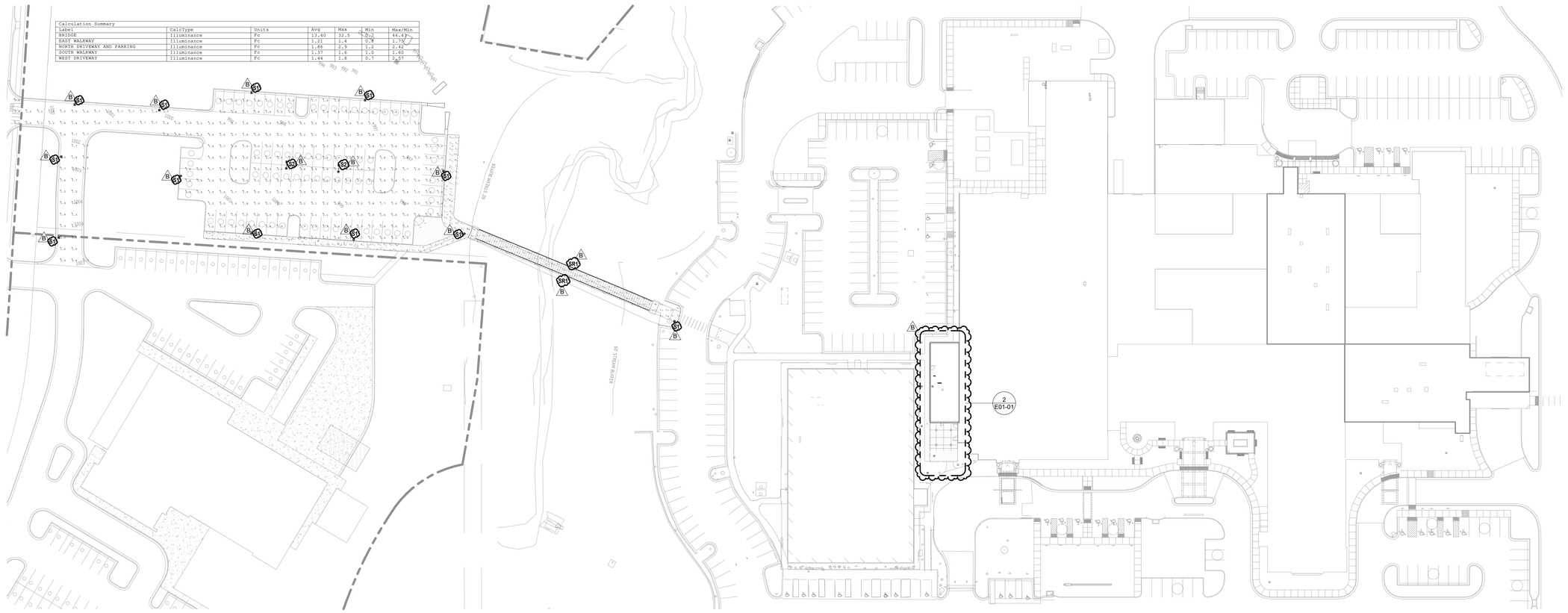
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Max/Min
Dining_Outdoor Seating	Illuminance	Fc	9.32	12.7	4.9	2.59
Sidewalk	Illuminance	Fc	4.03	12.3	0.1	123.00

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

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Max/Min
BRIDGE	Illuminance	Fc	13.40	32.5	2.2	14.77
EAST WALKWAY	Illuminance	Fc	1.21	1.4	0.8	1.75
NORTH DRIVEWAY AND PARKING	Illuminance	Fc	1.86	2.9	1.2	2.42
SOUTH WALKWAY	Illuminance	Fc	1.37	1.6	1.0	1.60
WEST DRIVEWAY	Illuminance	Fc	1.44	1.8	0.7	2.57



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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
BRADY RUSAN WHEELER
NUMBER PE-2017040115
PROFESSIONAL ENGINEER

02/06/2025
WSP USA Buildings Inc. 2013001881

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

SITE & BRIDGE EARLY RELEASE PACKAGE

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

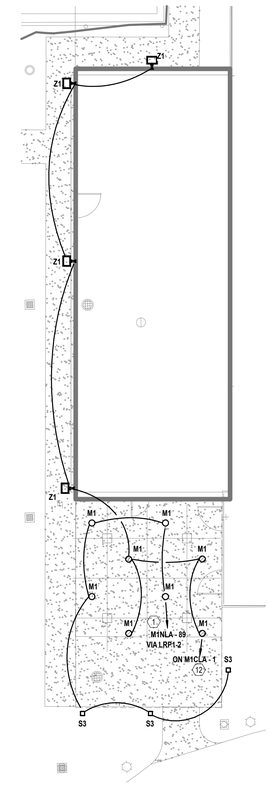
DATE:	2024/12/05
SCALE:	As indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

SITE PLAN - PHOTOMETRICS

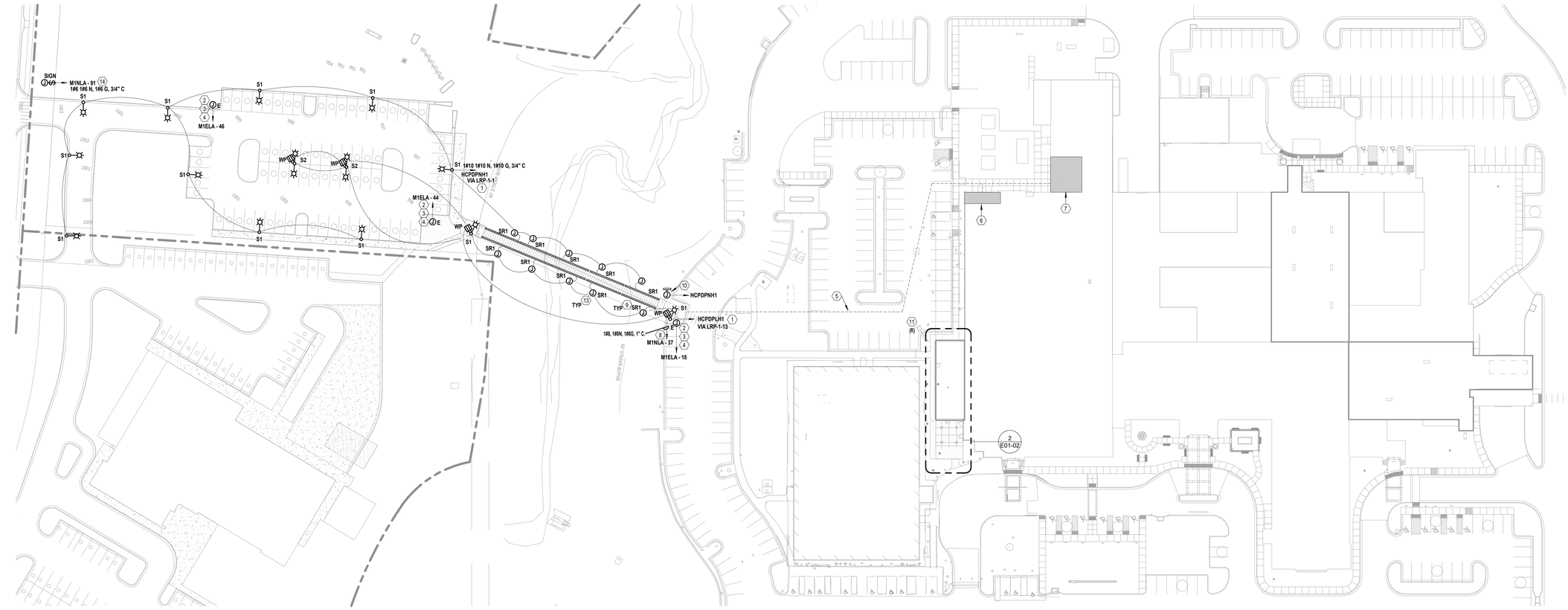
E01-01

1/29/2025 3:33:52 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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



1 SITE PLAN - MEP
1" = 40'-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, FCU'S, 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. CONTROL VIA NEW 'LRP-1'. REFER TO SCHEDULE ON E08-01.
2. EMERGENCY "BLUE" PHONE LOCATION. PROVIDE TALKAPHONE ETP-MTE ECO TOWER W/ BLUE STROBE LIGHT, ETE-MTE-ARM CAMERA MOUNTING ARM, AND VOIP-500E CALL STATION. A 3-LENS CAMERA SHALL BE INSTALLED ON CAMERA ARM. BLUE PHONE SHALL HAVE ADA COMPLIANT ACCESSIBILITY FOR PEDESTRIANS.
3. PROVIDE 1 1/2" CONDUIT FROM EMERGENCY PHONE TOWER TO HOSPITAL. CONDUIT SHALL ENTER BUILDING AT NEW CONSTRUCTION AREA AND SHALL TERMINATE IN AN ACCESSIBLE ABOVE CEILING SPACE WITHIN THAT AREA. PROVIDE BELDEN 6-STRAND FIBER OPTIC SINGLE-MODE OSP CABLE (W/ LC FIELD INSTALLABLE CONNECTORS) FROM EMERGENCY PHONE TO COMM ROOM 1-ME1066. COMMERCIAL GRADE LC SINGLE-MODE FIBER OPTIC TRANSCEIVERS/ MEDIA CONVERTERS SHALL BE UTILIZED FOR DATA COMMUNICATIONS.
4. PROVIDE 120V/1P EMERGENCY POWER FOR THE "BLUE" PHONE. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.
5. CONCRETE ENCASED CONDUIT TO ROUTE UNDERGROUND TO THE NEW BRIDGE AND REMOTE PARKING LOT LIGHT FIXTURES AND POWER DEVICES; TRENCH EXISTING PARKING LOT TO INSTALL NEW CONDUIT. REFER TO E07 SHEETS FOR DETAILS.
6. PANELBOARDS M1ELA AND M1NLA LOCATED IN EXTERIOR ELECTRICAL ROOMS 1-ME1131A AND 1-ME1131, RESPECTIVELY.
7. DISTRIBUTION PANELBOARDS HCPDPNH1 AND HCPDPLH1 LOCATED IN MAIN NORMAL ELECTRICAL ROOM 1-CP2002 AND MAIN EMERGENCY ELECTRICAL ROOM 1-CP2001, RESPECTIVELY.
8. PROVIDE WIRE SIZE AS INDICATED TO POLE BOX AND THEN SPLICE DOWN TO 1#12, 1#12N, 1#12G AND MAKE CONNECTION TO RECEPTACLE.
9. REFER TO ARCHITECTURAL SPECIFICATIONS FOR RAILING PRODUCT AND INSTALLATION REQUIREMENTS.
10. PROVIDE 480V/3P POWER TO SNOW MELT CONTROL PANEL. COORDINATE EXACT LOCATION WITH THE SNOWMELT SYSTEM VENDOR.
11. RELOCATE EXISTING LIGHT POLE.
12. CIRCUIT ON M1CLA-1 AND ASSOCIATED LIGHTING CONTROL CIRCUIT THAT IS CURRENTLY SERVING THIS AREA.
13. PROVIDE NEMA 3R ENCLOSURE FOR EACH LIGHT FIXTURE 'SR1' DRIVER. COORDINATE ACCESSIBLE MOUNTING LOCATION WITH MANUFACTURER.
14. PROVIDE WIRE SIZE AS INDICATED TO BOX AND THEN SPLICE DOWN TO 1#12, 1#12N, 1#12G AND MAKE CONNECTION TO SIGN.

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER

12/05/2024
WSP USA Buildings Inc. 2013001881

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

SITE & BRIDGE EARLY RELEASE PACKAGE

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

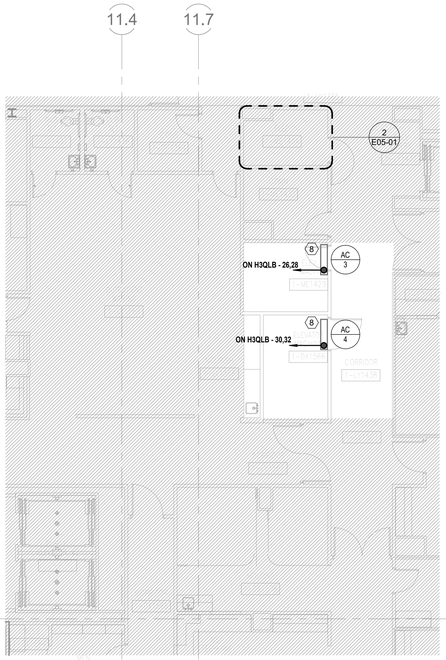
DATE:	2024/12/05
SCALE:	As indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

SITE PLAN - ELECTRICAL

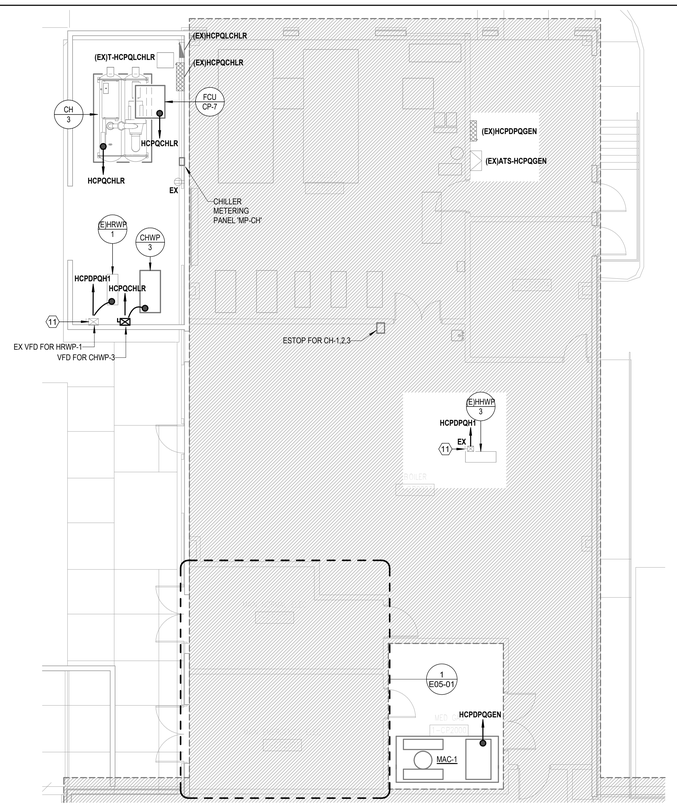
E01-02

12/4/2024 6:53:41 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt

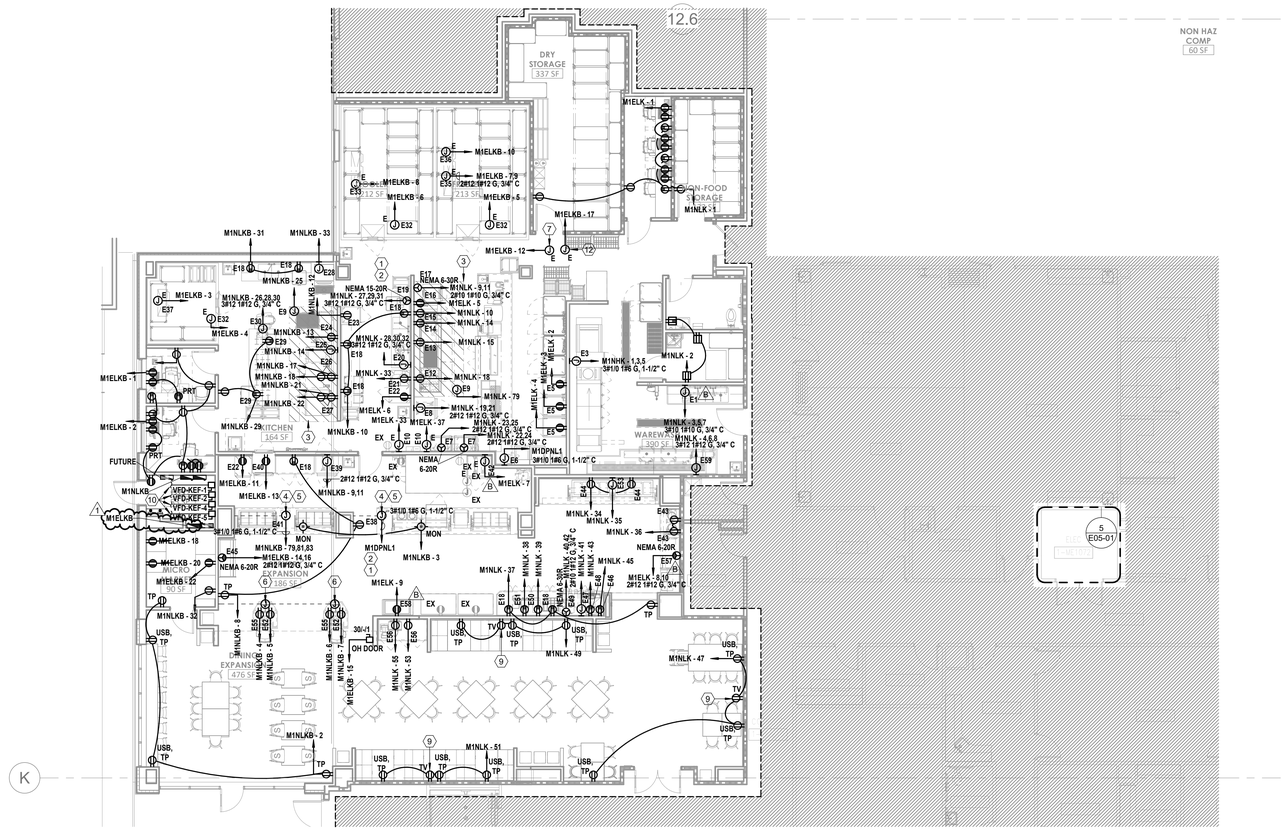
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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



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



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

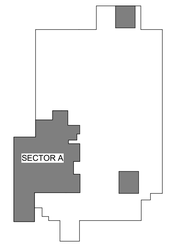
GENERAL NOTES

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, FCU'S, 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 CAREFULLY REVIEW AND COORDINATE THE EXACT REQUIREMENTS OF THE FOOD SERVICE EQUIPMENT WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR EQUIPMENT, BRANCH CIRCUIT REQUIREMENTS, TERMINATION DETAILS, AND OTHER ITEMS NECESSARY TO PROVIDE THE PROPER ELECTRICAL WORK FOR THE FOOD SERVICE EQUIPMENT INSTALLATION.
2 REFER TO 'ELECTRICAL CONNECTIONS SCHEDULE' IN KITCHEN VENDOR DRAWINGS FOR ADDITIONAL INFORMATION ON 'E#'S TAGS'.
3 HATCHED REGION INDICATES HOOD LOCATION. ALL CIRCUITS UNDERNEATH HOOD SHALL HAVE SHUNT TRIP BREAKERS.
4 FEEDER FROM PANEL TO LOAD CENTER SHALL BE ROUTED UNDERNEATH SLAB. COORDINATE EXACT STUB UP LOCATIONS WITH FOOD SERVICE VENDOR PRIOR TO ROUGH-IN.
5 PROVIDE ALL WIRING, DEVICES, BOXES AS REQUIRED TO COMPLETE SYSTEM WIRING PER KITCHEN VENDOR DRAWINGS. REFER TO KITCHEN VENDOR PLANS FOR MORE INFORMATION.
6 JUNCTION BOX LOCATED IN FLOOR UNDER POS STATION FOR ROUTING OF EQUIPMENT POWER CIRCUITS INDICATED IN THIS POS STATION MILLWORK. ROUTE 1" CONDUIT UNDER FLOOR TO THE RECEPTACLE AS INDICATED.
7 PROVIDE 120V POWER CONNECTION TO VAV'S IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE 20A 1P SWITCH AT CONTROL TRANSFORMER(S). REFER TO MECHANICAL DRAWINGS FOR BOX LOCATIONS. MAXIMUM OF 15 TERMINAL UNITS PER CIRCUIT. QUANTITY OF VAV'S SHALL BE BALANCED BETWEEN THE CIRCUITS INDICATED IN THE SAME SMOKE ZONE. TERMINAL UNITS IN DIFFERENT SMOKE ZONES SHALL NOT BE ON THE SAME CIRCUIT.
8 INDOOR UNIT TO BE SERVED FROM OUTDOOR UNIT. REFER TO OUTDOOR UNIT FOR MANUFACTURER REQUIREMENTS.
9 DEVICE(S) TO BE LOCATED IN TV BACK-BOX. REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR/ TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN.
10 CONNECT VARIABLE FREQUENCY DRIVE (VFD) TO RESPECTIVE DISCONNECT SWITCH LOCATED ON KITCHEN ROOF.
11 EXISTING MECHANICAL EQUIPMENT TO BE RE-CONNECTED TO EQUIPMENT PANEL HCPDPQH1. ALL ASSOCIATED EXISTING STARTER(S) AND DISCONNECT(S) TO REMAIN. EXISTING CONDUCTORS AND CONDUIT TO REMAIN AND SPLICE WITH NEW CONDUCTOR TO EXTEND TO NEW POWER PANEL. CONTRACTOR TO VERIFY EXISTING CONDUCTOR AND CONDUIT IN ACCEPTABLE CONDITION TO RE-USE. LABEL THE UPSTREAM BREAKER AS "SPARE".
12 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.

LEVEL 1 - KEYPLAN



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

Consultant:
wsp

ARIZONA CERTIFICATION
MINDY SUSAN WEISSER
NUMBER
PR-2017060126
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

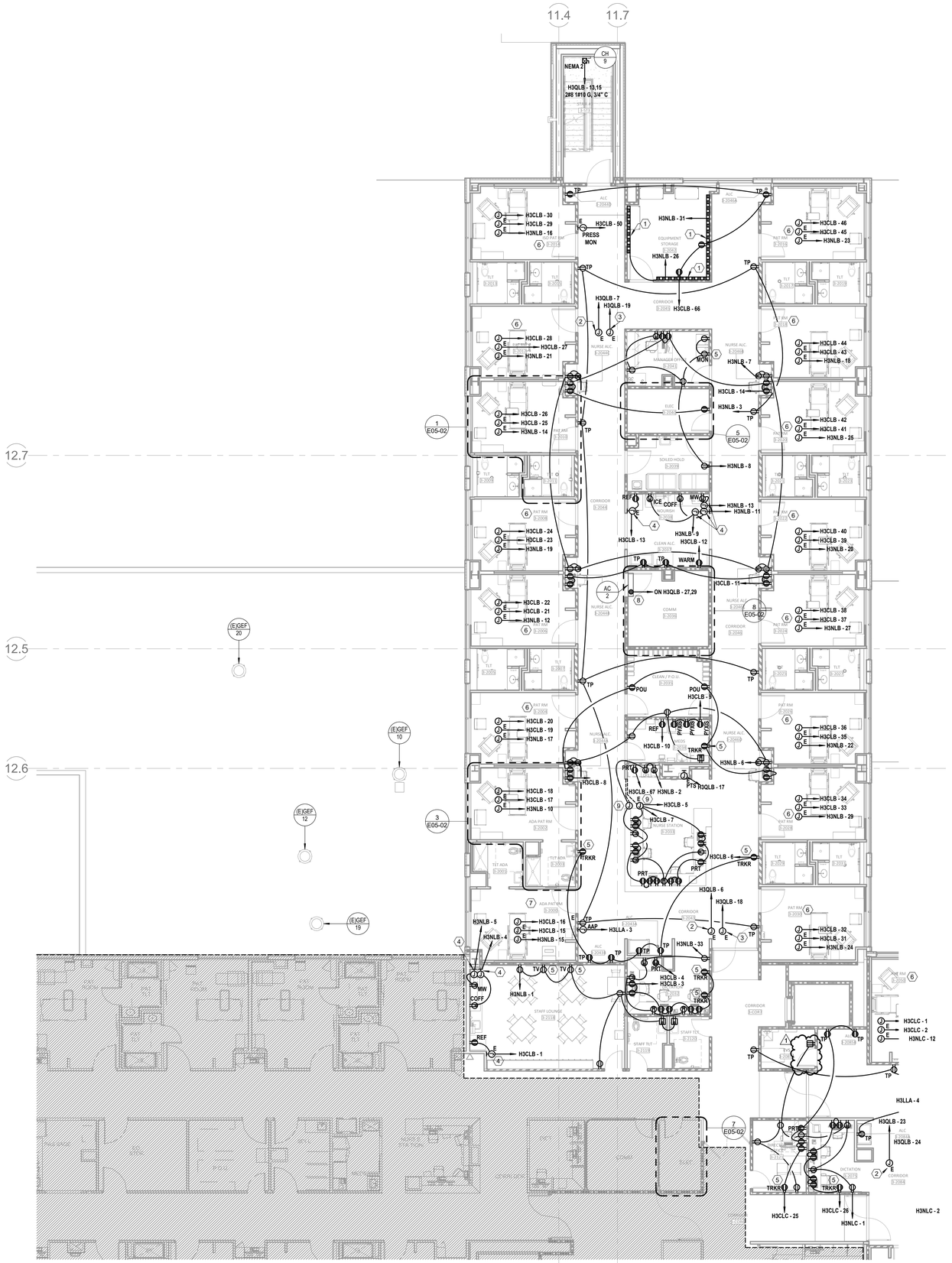
DATE:	05/23/2025
SCALE:	1/8" = 1'-0"
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

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

E02-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:10 AM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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

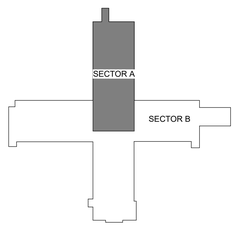
GENERAL NOTES

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, FCU'S, 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 PLUGMOLD EQUAL TO WIREMOLD AL3300 SERIES WITH DUPLEX RECEPTACLES AT 12" C.C. MOUNTED AT 4'-0" TO BOTTOM OF PLUGMOLD ABOVE FINISH FLOOR. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR MORE DETAILS.
2 PROVIDE 120V POWER CONNECTION TO VAV'S IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE 20A 1P SWITCH AT CONTROL TRANSFORMER(S). REFER TO MECHANICAL DRAWINGS FOR BOX LOCATIONS. MAXIMUM OF 15 TERMINAL UNITS PER CIRCUIT. QUANTITY OF VAV'S SHALL BE BALANCED BETWEEN THE CIRCUITS INDICATED IN THE SAME SMOKE ZONE. TERMINAL UNITS IN DIFFERENT SMOKE ZONES SHALL NOT BE ON THE SAME CIRCUIT.
3 PROVIDE 120V POWER CONNECTION TO FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS IN THIS AREA. PROVIDE SEPARATE RELAYS FOR EACH SMOKE ZONE TO MEET MECHANICAL SEQUENCES. REFER TO THE ARCHITECTURAL LIFE SAFETY PLANS FOR SMOKE WALLS AND M02-03A AND M02-03B FOR THE LOCATIONS OF ALL FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS.
4 PROVIDE BLANK FACE (FACELESS) GFCI IN A READILY ACCESSIBLE LOCATION FOR RECEPTACLE INDICATED LABEL PER DEVICE INDICATED ON DRAWINGS. REFER TO DETAIL 01/E07-01 FOR MORE INFORMATION.
5 DEVICE(S) TO BE LOCATED IN TV BACK-BOX; REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR/ TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN.
6 REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.
7 REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.
8 INDOOR UNIT TO BE SERVED FROM OUTDOOR UNIT. REFER TO OUTDOOR UNIT FOR MANUFACTURER REQUIREMENTS.
9 JUNCTION BOX LOCATED IN FLOOR UNDER NURSE STATION ISLAND FOR ROUTING NORMAL AND CRITICAL EMERGENCY POWER CIRCUITS INDICATED IN NURSE STATION MILLWORK. ROUTE 1" CONDUIT UNDER FLOOR TO THE NEAREST WALL AND ABOVE ACCESSIBLE CEILING .

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

ARIZONA
MINDY SUSAN WHEELER
NUMBER PR-2017040126
REGISTERED PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

FLOOR PLAN - LEVEL 03 - SECTOR A POWER

E02-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:17 AM

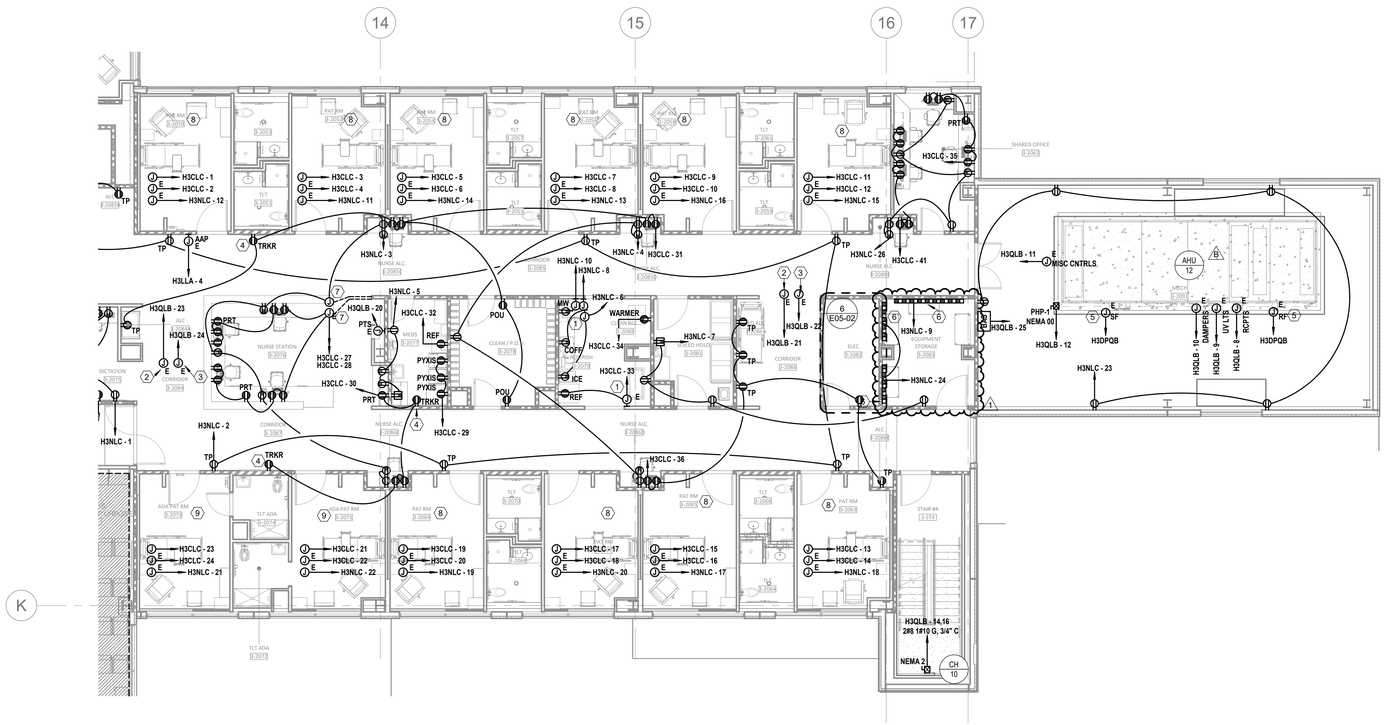
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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, FCU'S, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR.
E. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

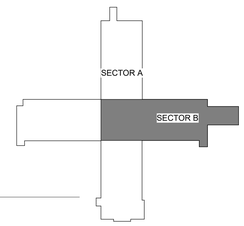
LEGEND NOTES

1 PROVIDE BLANK FACE (FACELESS) GFCI IN A READILY ACCESSIBLE LOCATION FOR RECEPTACLE INDICATED LABEL PER DEVICE INDICATED ON DRAWINGS. REFER TO DETAIL 01/E07-01 FOR MORE INFORMATION.
2 PROVIDE 120V POWER CONNECTION TO VAV'S IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE 20A 1P SWITCH AT CONTROL TRANSFORMER(S). REFER TO MECHANICAL DRAWINGS FOR BOX LOCATIONS. MAXIMUM OF 15 TERMINAL UNITS PER CIRCUIT. QUANTITY OF VAV'S SHALL BE BALANCED BETWEEN THE CIRCUITS INDICATED IN THE SAME SMOKE ZONE. TERMINAL UNITS IN DIFFERENT SMOKE ZONES SHALL NOT BE ON THE SAME CIRCUIT.
3 PROVIDE 120V POWER CONNECTION TO FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS IN THIS AREA. PROVIDE SEPARATE RELAYS FOR EACH SMOKE ZONE TO MEET MECHANICAL SEQUENCES. REFER TO THE ARCHITECTURAL LIFE SAFETY PLANS FOR SMOKE WALLS AND M02-03A AND M02-03B FOR THE LOCATIONS OF ALL FIRE/SMOKE DAMPERS, SMOKE DAMPERS, AND MOTORIZED DAMPERS.
4 DEVICE(S) TO BE LOCATED IN TV BACK-BOX. REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR/ TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN.
5 EQUIPMENT IS PROVIDED WITH INTEGRAL DISCONNECT BY MANUFACTURER, CIRCUITED BY DIV. 26.
6 PROVIDE PLUGMOLD EQUAL TO WIREMOLD AL3300 SERIES WITH DUPLEX RECEPTACLES AT 12" C.C. MOUNTED AT 4'-0" TO BOTTOM OF PLUGMOLD ABOVE FINISH FLOOR. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR MORE DETAILS.
7 JUNCTION BOX LOCATED IN FLOOR UNDER NURSE STATION ISLAND FOR ROUTING NORMAL AND CRITICAL EMERGENCY POWER CIRCUITS INDICATED IN NURSE STATION MILLWORK. ROUTE 1" CONDUIT UNDER FLOOR TO THE NEAREST WALL AND ABOVE ACCESSIBLE CEILING .
8 REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.
9 REFER TO "ENLARGED FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - POWER" ON E5 SERIES FOR TYPICAL POWER DEVICE LAYOUT.



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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

ARIZONA
MINDY SUSAN WIESLER
NUMBER PR-2017040126
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

FLOOR PLAN - LEVEL 03 - SECTOR B POWER

E02-03B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

7/11/2025 11:07:23 AM

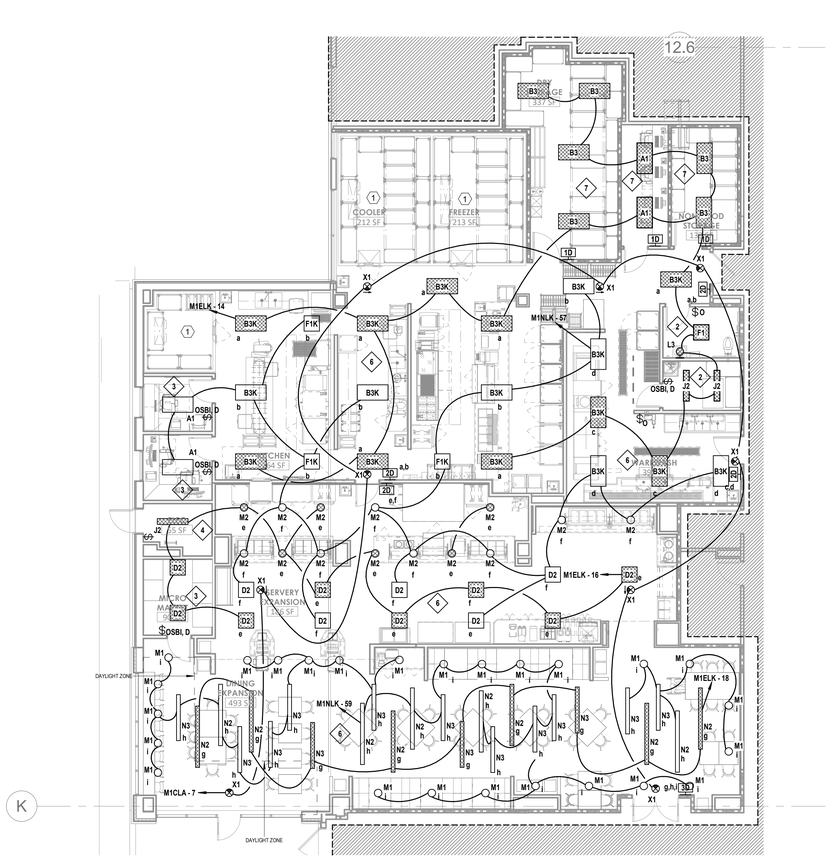
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

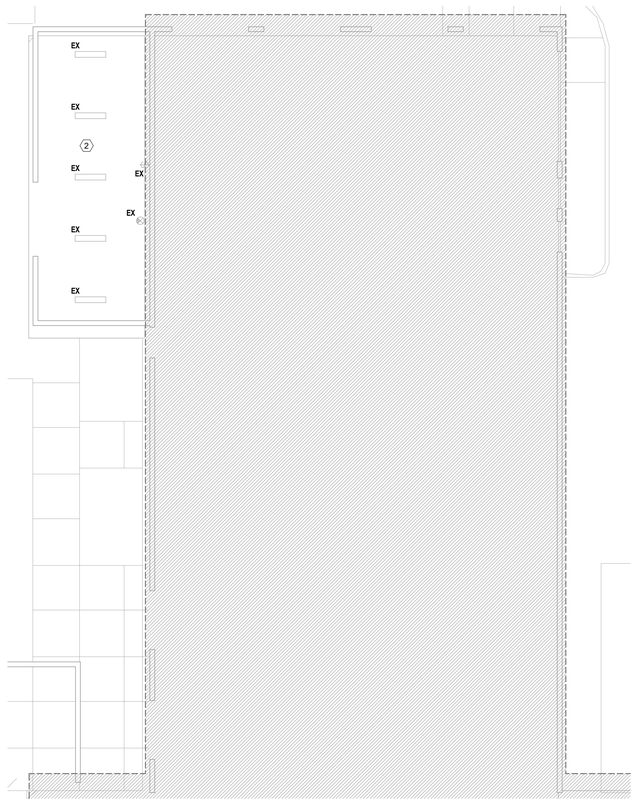
A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF ALL WIRING DEVICES
B. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
C. REFER TO SHEET E8-02 FOR LIGHT SCHEDULES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

LEGEND NOTES

1 REFER TO E02-01 FOR COOLER LIGHTING CIRCUIT. COORDINATE LIGHT FIXTURES AND CONNECTION WITH KITCHEN EQUIPMENT VENDOR DRAWINGS.
2 REMOVE AND RE-INSTALL LIGHT FIXTURES AS NECESSARY FOR REPLACEMENT OF CHILLER AND ASSOCIATED PIPING.

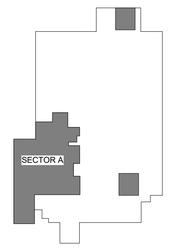


1 FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - LIGHTING
1/8" = 1'-0"



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

LEVEL 1 - KEYPLAN



Devenney GROUP
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

E03-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:53:54 PM

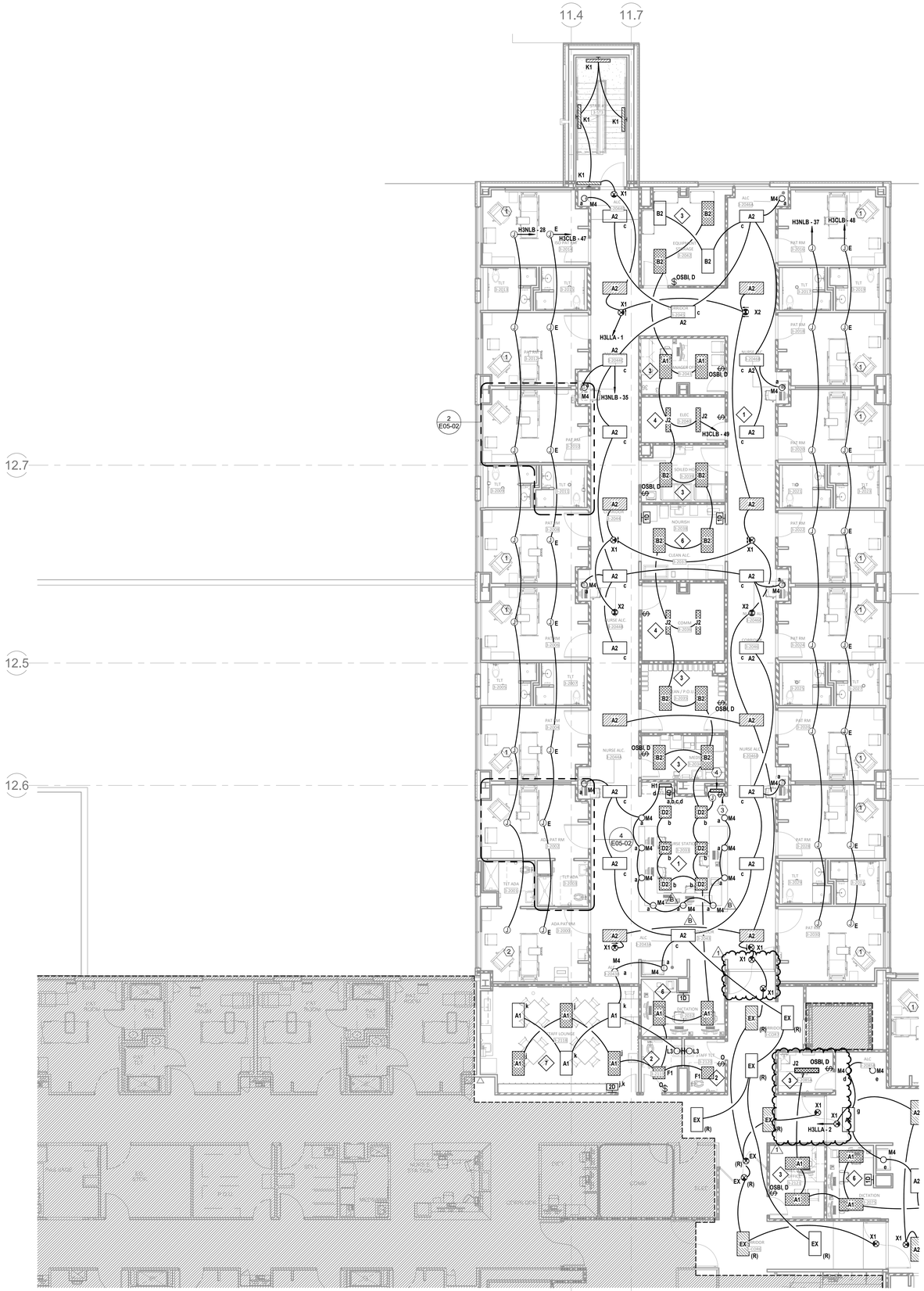
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

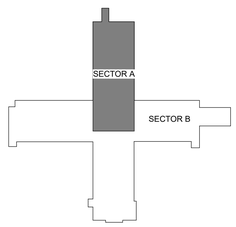
LEGEND NOTES

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



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

LEVEL 3 - KEY PLAN



Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
MINDY SUSAN WHEELER
NUMBER PE-2010160126
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

FLOOR PLAN - LEVEL 03 - SECTOR A LIGHTING

E03-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:30 AM

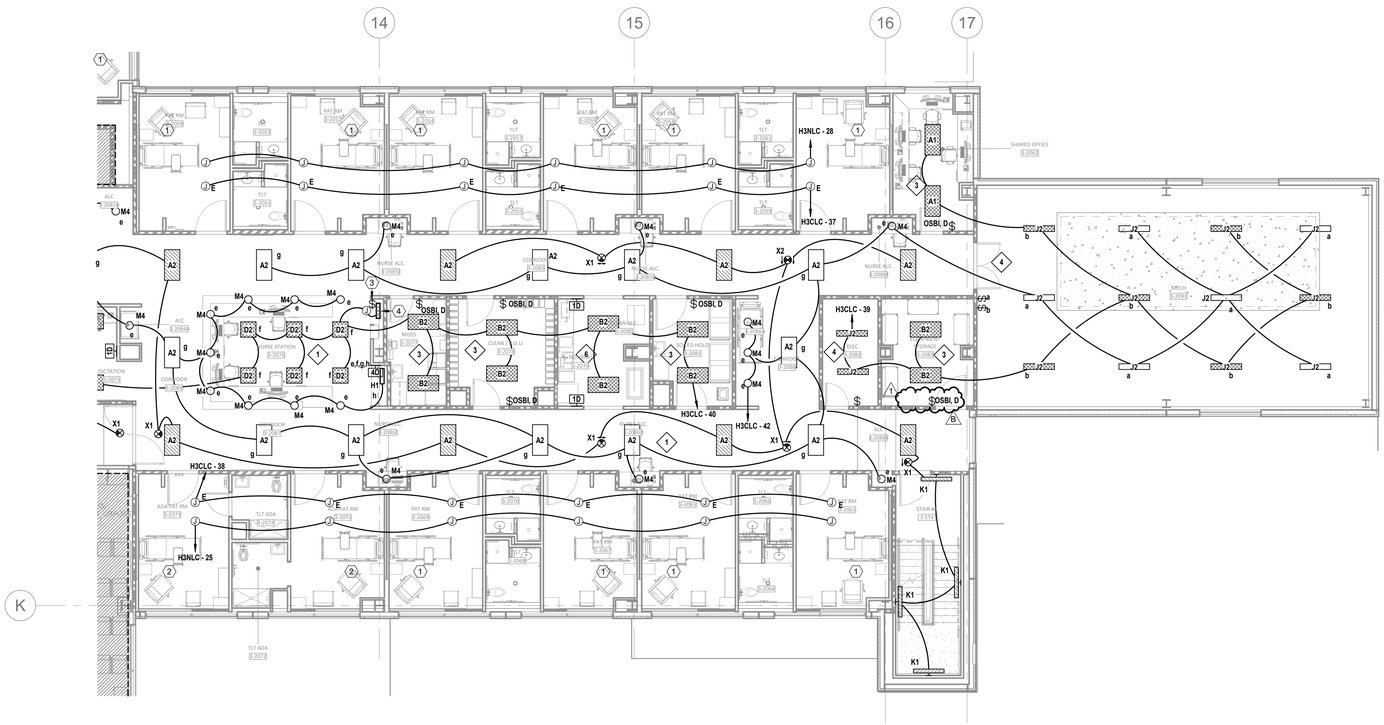
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

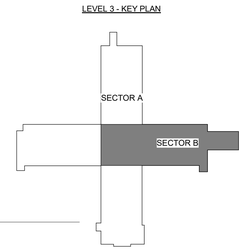
LEGEND NOTES

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



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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

MINDY SUSAN WEBSTER
NUMBER PE-2017040125
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

FLOOR PLAN - LEVEL 03 - SECTOR B LIGHTING

E03-03B

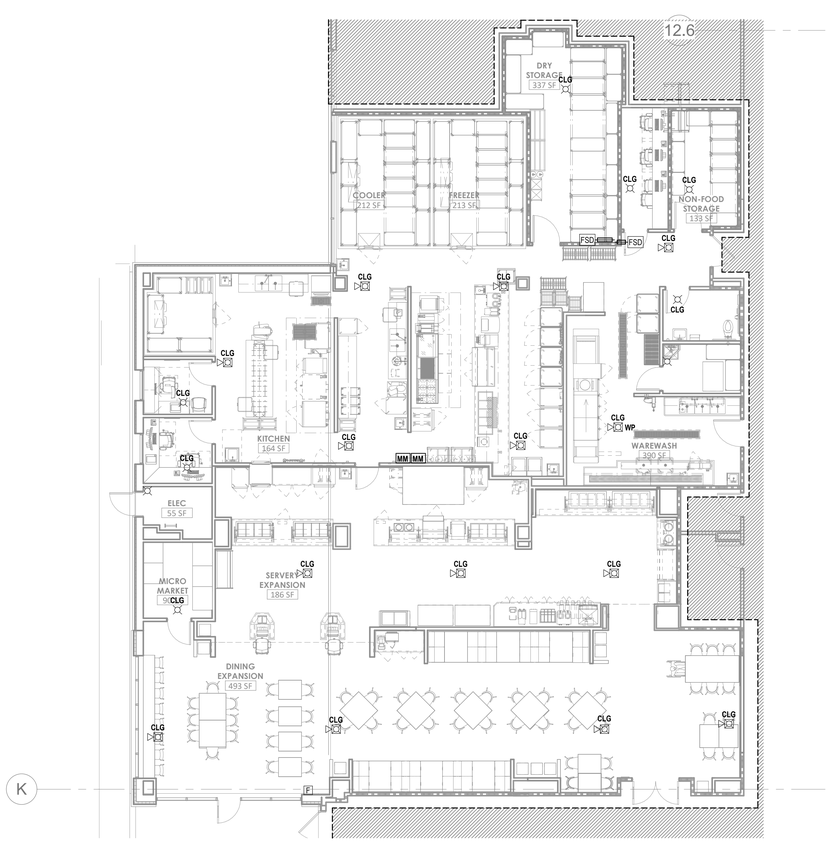
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:35 AM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

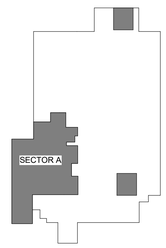
GENERAL NOTES

A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
B. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO F/S DAMPERS, VAV BOXES, FCU'S ETC. WITH MECHANICAL DRAWINGS AND DIV.23 CONTRACTOR.
C. DO NOT SCALE DEVICE LOCATIONS FROM THESE DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL DOCUMENTS. SPECIFICALLY, REFER TO ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR SPECIALTY.
D. DELEGATED DESIGN OF FIRE ALARM: REFER TO DIVISION 28 SPECIFICATION SECTION FOR ADDITIONAL SYSTEM REQUIREMENTS. FIRE ALARM INITIATING DEVICES, NOTIFICATION APPLIANCES, CONTROL PANELS, ANNUNCIATOR PANELS, AND OTHER PERIPHERAL DEVICES SHOWN ON THESE DOCUMENTS DO NOT CONSTITUTE THE TOTAL QUANTITY OR TYPE OF DEVICES REQUIRED FOR THE WORK. THE DEVICES AND EQUIPMENT INDICATED ON THESE DOCUMENTS IS SHOWN FOR THE PURPOSE OF COORDINATION ONLY. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS DEFINE THE SCOPE AND INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED IN THE WORK. IN ADDITION TO THE SYSTEM AS SHOWN HEREIN AND SPECIFIED IN THE PROJECT MANUAL, THE LICENSED FIRE ALARM CONTRACTOR SHALL PROVIDE ALL PLANNING, DESIGN, CALCULATIONS, EQUIPMENT, DEVICES, RACEWAYS, BOXES, CABLING, SYSTEM PROGRAMMING AND ANY OTHER COMPONENT OR SERVICE REQUIRED FOR A COMPLETE, FULLY OPERATIONAL SYSTEM THAT MEETS ALL SPECIFIED REQUIREMENTS AND LOCAL CODES.
E. SMOKE DETECTOR SPACING: FOR AREAS WHICH ARE INDICATED TO HAVE SMOKE DETECTOR COVERAGE THAT DO NOT HAVE A SUSPENDED CEILING (I.E. OPEN TO STRUCTURE), PROVIDE ONE DETECTOR PER STRUCTURAL POCKET TO MEET REQUIREMENTS OF NFPA 72. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES AND TO STRUCTURAL SLAB DETAILS FOR SLAB DEPRESSIONS THAT MAY CAUSE CONDITIONS REQUIRING ADDITIONAL DETECTORS.
F. DETECTORS AT DAMPERS: PROVIDE A DUCT MOUNTED SMOKE DETECTOR AT ALL SMOKE AND COMBINATION FIRE/SMOKE DAMPER LOCATIONS. EACH DAMPER SHALL HAVE A DISCRETE RELAY LOCATED WITHIN 3 FT. OF THE CONTROLLING COMPONENT; COMMON RELAYS ARE NOT ACCEPTABLE. EXACT DEVICE QUANTITIES AND LOCATIONS FOR DAMPERS ARE SHOWN ON MECHANICAL DRAWINGS. REFER TO AND COORDINATE WITH DIVISION 23 DOCUMENTS, APPROVED SHOP DRAWINGS AND SUBMITTALS AND BETWEEN TRADES WITH HVAC INSTALLER PRIOR TO ROUGH-IN. REFER TO DIVISION 23 AND 28 SPECIFICATIONS AND TO DETAILS FOR ADDITIONAL REQUIREMENTS.
G. PROVIDE APPROPRIATE EQUIPMENT AND CONNECTION(S) REQUIRED TO RELEASE DOOR HOLDERS UPON ALARM SIGNAL FROM THE FIRE ALARM CONTROL PANEL.
H. PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM(S).



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

LEVEL 1 - KEYPLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

E04-01

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.

12/4/2024 6:54:03 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

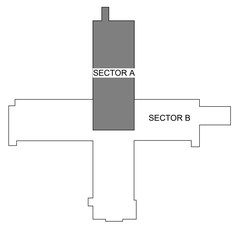
GENERAL NOTES

A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
B. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO F/S DAMPERS, VAV BOXES, FCU'S ETC. WITH MECHANICAL DRAWINGS AND DIV 23 CONTRACTOR.
C. DO NOT SCALE DEVICE LOCATIONS FROM THESE DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL DOCUMENTS. SPECIFICALLY, REFER TO ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR SPECIALTY
D. DELEGATED DESIGN OF FIRE ALARM: REFER TO DIVISION 28 SPECIFICATION SECTION FOR ADDITIONAL SYSTEM REQUIREMENTS. FIRE ALARM INITIATING DEVICES, NOTIFICATION APPLIANCES, CONTROL PANELS, ANNUNCIATOR PANELS, AND OTHER PERIPHERAL DEVICES SHOWN ON THESE DOCUMENTS DO NOT CONSTITUTE THE TOTAL QUANTITY OR TYPE OF DEVICES REQUIRED FOR THE WORK. THE DEVICES AND EQUIPMENT INDICATED ON THESE DOCUMENTS IS SHOWN FOR THE PURPOSE OF COORDINATION ONLY. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS DEFINE THE SCOPE AND INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED IN THE WORK. IN ADDITION TO THE SYSTEM AS SHOWN HEREIN AND SPECIFIED IN THE PROJECT MANUAL, THE LICENSED FIRE ALARM CONTRACTOR SHALL PROVIDE ALL PLANNING, DESIGN, CALCULATIONS, EQUIPMENT, DEVICES, RACEWAYS, BOXES, CABLING, SYSTEM PROGRAMMING AND ANY OTHER COMPONENT OR SERVICE REQUIRED FOR A COMPLETE, FULLY OPERATIONAL SYSTEM THAT MEETS ALL SPECIFIED REQUIREMENTS AND LOCAL CODES.
E. SMOKE DETECTOR SPACING: FOR AREAS WHICH ARE INDICATED TO HAVE SMOKE DETECTOR COVERAGE THAT DO NOT HAVE A SUSPENDED CEILING (I.E. OPEN TO STRUCTURE), PROVIDE ONE DETECTOR PER STRUCTURAL POCKET TO MEET REQUIREMENTS OF NFPA 72. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES AND TO STRUCTURAL SLAB DETAILS FOR SLAB DEPRESSIONS THAT MAY CAUSE CONDITIONS REQUIRING ADDITIONAL DETECTORS.
F. DETECTORS AT DAMPERS: PROVIDE A DUCT MOUNTED SMOKE DETECTOR AT ALL SMOKE AND COMBINATION FIRE/SMOKE DAMPER LOCATIONS. EACH DAMPER SHALL HAVE A DISCRETE RELAY LOCATED WITHIN 3 FT. OF THE CONTROLLING COMPONENT; COMMON RELAYS ARE NOT ACCEPTABLE. EXACT DEVICE QUANTITIES AND LOCATIONS FOR DAMPERS ARE SHOWN ON MECHANICAL DRAWINGS. REFER TO AND COORDINATE WITH DIVISION 23 DOCUMENTS, APPROVED SHOP DRAWINGS AND SUBMITTALS AND BETWEEN TRADES WITH HVAC INSTALLER PRIOR TO ROUGH-IN. REFER TO DIVISION 23 AND 28 SPECIFICATIONS AND TO DETAILS FOR ADDITIONAL REQUIREMENTS.
G. PROVIDE APPROPRIATE EQUIPMENT AND CONNECTION(S) REQUIRED TO RELEASE DOOR HOLDERS UPON ALARM SIGNAL FROM THE FIRE ALARM CONTROL PANEL.
H. PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM(S).

LEGEND NOTES

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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

ARIZONA CERTIFICATION
LEE MICHAEL WEIDLER
NUMBER
PR-2017040126
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

FLOOR PLAN - LEVEL 03 - SECTOR A SPECIAL SYSTEMS

E04-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:41 AM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

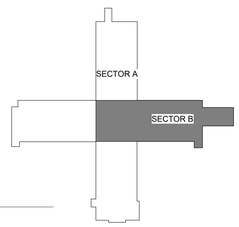
A. REFER TO SHEET E00.00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
B. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO F/S DAMPERS, VAV BOXES, FCU'S ETC. WITH MECHANICAL DRAWINGS AND DIV.23 CONTRACTOR.
C. DO NOT SCALE DEVICE LOCATIONS FROM THESE DRAWINGS. REFER TO AND COORDINATE WITH THE ARCHITECTURAL DOCUMENTS. SPECIFICALLY, REFER TO ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR SPECIALTY.
D. DELEGATED DESIGN OF FIRE ALARM: REFER TO DIVISION 28 SPECIFICATION SECTION FOR ADDITIONAL SYSTEM REQUIREMENTS. FIRE ALARM INITIATING DEVICES, NOTIFICATION APPLIANCES, CONTROL PANELS, ANNUNCIATOR PANELS, AND OTHER PERIPHERAL DEVICES SHOWN ON THESE DOCUMENTS DO NOT CONSTITUTE THE TOTAL QUANTITY OR TYPE OF DEVICES REQUIRED FOR THE WORK. THE DEVICES AND EQUIPMENT INDICATED ON THESE DOCUMENTS IS SHOWN FOR THE PURPOSE OF COORDINATION ONLY. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS DEFINE THE SCOPE AND INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED IN THE WORK. IN ADDITION TO THE SYSTEM AS SHOWN HEREIN AND SPECIFIED IN THE PROJECT MANUAL, THE LICENSED FIRE ALARM CONTRACTOR SHALL PROVIDE ALL PLANNING, DESIGN, CALCULATIONS, EQUIPMENT, DEVICES, RACEWAYS, BOXES, CABLING, SYSTEM PROGRAMMING AND ANY OTHER COMPONENT OR SERVICE REQUIRED FOR A COMPLETE, FULLY OPERATIONAL SYSTEM THAT MEETS ALL SPECIFIED REQUIREMENTS AND LOCAL CODES.
E. SMOKE DETECTOR SPACING: FOR AREAS WHICH ARE INDICATED TO HAVE SMOKE DETECTOR COVERAGE THAT DO NOT HAVE A SUSPENDED CEILING (I.E. OPEN TO STRUCTURE), PROVIDE ONE DETECTOR PER STRUCTURAL POCKET TO MEET REQUIREMENTS OF NFPA 72. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES AND TO STRUCTURAL SLAB DETAILS FOR SLAB DEPRESSIONS THAT MAY CAUSE CONDITIONS REQUIRING ADDITIONAL DETECTORS.
F. DETECTORS AT DAMPERS: PROVIDE A DUCT MOUNTED SMOKE DETECTOR AT ALL SMOKE AND COMBINATION FIRE/SMOKE DAMPER LOCATIONS. EACH DAMPER SHALL HAVE A DISCRETE RELAY LOCATED WITHIN 3 FT. OF THE CONTROLLING COMPONENT; COMMON RELAYS ARE NOT ACCEPTABLE. EXACT DEVICE QUANTITIES AND LOCATIONS FOR DAMPERS ARE SHOWN ON MECHANICAL DRAWINGS. REFER TO AND COORDINATE WITH DIVISION 23 DOCUMENTS. APPROVED SHOP DRAWINGS AND SUBMITTALS AND BETWEEN TRADES WITH HVAC INSTALLER PRIOR TO ROUGH-IN. REFER TO DIVISION 23 AND 28 SPECIFICATIONS AND TO DETAILS FOR ADDITIONAL REQUIREMENTS.
G. PROVIDE APPROPRIATE EQUIPMENT AND CONNECTION(S) REQUIRED TO RELEASE DOOR HOLDERS UPON ALARM SIGNAL FROM THE FIRE ALARM CONTROL PANEL.
H. PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM(S).

LEGEND NOTES

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

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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2011040125
REGISTERED PROFESSIONAL ENGINEER

02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

FLOOR PLAN - LEVEL 03 - SECTOR B SPECIAL SYSTEMS

E04-03B

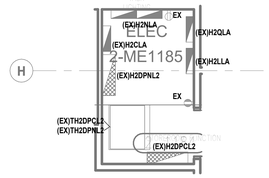
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
1/29/2025 3:34:15 PM

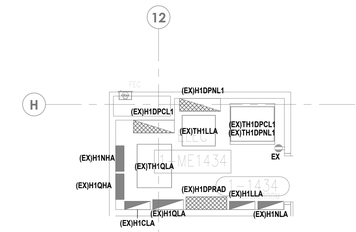
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

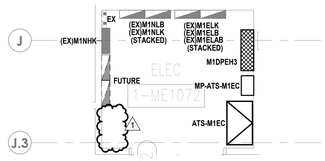
A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES
B. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
C. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING 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, FCU'S, 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.



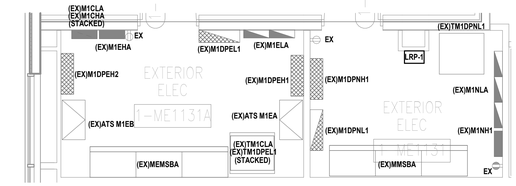
3 ENLARGED FLOOR PLAN - LEVEL 02 ELEC ME1185 - POWER
1/4" = 1'-0"



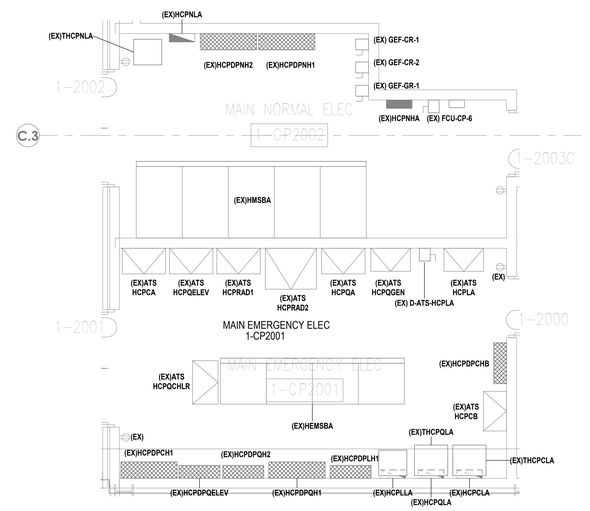
2 ENLARGED FLOOR PLAN - LEVEL 01 ELEC ME1434 - POWER
1/4" = 1'-0"



5 ENLARGED FLOOR PLAN - LEVEL 01 ELEC ME1072 - POWER
1/4" = 1'-0"



4 ENLARGED FLOOR PLAN - LEVEL 01 ELEC ME1131 - POWER
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - LEVEL 01 ELEC CP2001 - POWER
1/4" = 1'-0"

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WINDY SUSAN WHEELER
NUMBER PE-2017040125
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

DATE:	05/23/2025
SCALE:	As indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

ENLARGED PLANS - ELECTRICAL

E05-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:50 AM

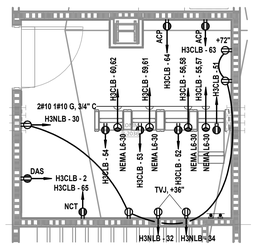
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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, FCU'S, 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.

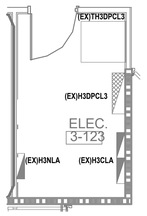
LEGEND NOTES

1 RECEPTACLE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2 RECEPTACLES SHOWN FOR HEADWALL AND SINK WALL ARE FOR REFERENCE ONLY IN THIS ROOM. ALL RECEPTACLES SHALL BE PROVIDED WITH OWNER FURNISHED PRE-FABRICATED WALLS UNLESS OTHERWISE NOTED. ALL CIRCUITRY FROM RECEPTACLE TO RESPECTIVE JUNCTION BOX ABOVE SHALL BE PROVIDED WITH PRE-FABRICATED WALL. CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CIRCUITRY TO JUNCTION BOX AS SHOWN.
3 ALL FIXTURE(S), DEVICE(S), CONDUITS, AND CONDUCTORS SHOWN IS FOR REFERENCE ONLY AND PROVIDED WITH OWNER FURNISHED, PRE-FABRICATED POD UNLESS OTHERWISE NOTED. ABOVE CEILING JUNCTION BOXES SHOWN ARE PROVIDED WITH PRE-FABRICATED TOILET. CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CONDUITS AND CONDUCTORS TO JUNCTION BOX AS SHOWN.
4 DEVICE(S) TO BE LOCATED IN TV BACK-BOX; REFER TO TECHNOLOGY DRAWINGS FOR SPECIFICATION AND DETAILS. COORDINATE EXACT LOCATION WITH MONITOR/ TV MOUNTING BRACKET. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR BRACKET MOUNTING HEIGHT AND EXACT LOCATIONS PRIOR TO ROUGH-IN.
5 REFER TO E2 SERIES FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING.
6 REFER TO E3 SERIES FLOOR PLANS FOR SPECIFIC PANELBOARD CIRCUITING.
7 SWITCH TO BE PROVIDED WITH PRE-FABRICATED WALLS.
8 PROVIDE CONNECTION TO NURSE CALL SYSTEM. THE AMBIENT/READING LIGHT IN THE OVER BED LIGHT FIXTURE TO BE CONTROLLED BY THE PILLOW SPEAKER. LOW VOLTAGE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING LOW VOLTAGE CABLING FROM THE OVER BED LIGHT FIXTURE TO NURSE CALL DEVICE. THE PILLOW SPEAKER SHALL BE PROVIDED WITH TWO SWITCHES FOR INDIVIDUAL CONTROL OF THE AMBIENT/READING LIGHT. COORDINATE THE EXACT LOW VOLTAGE CONTROLLER IN THE OVER BED LIGHT FOR INDIVIDUAL CONTROL. TYPICAL ALL PATIENT ROOMS REFER TO DETAILS ON E07-02. (B)
9 LIGHT FIXTURE TO BE PROVIDED WITH PRE-FABRICATED SINK POD.
10 CONTRACTOR TO FURNISH AND INSTALL ALL DEVICES IN FOOTWALL.

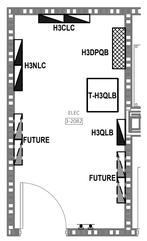


12.5

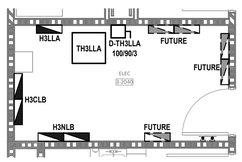
8 ENLARGED FLOOR PLAN - LEVEL 03 COMM 3-2036
1/4" = 1'-0"



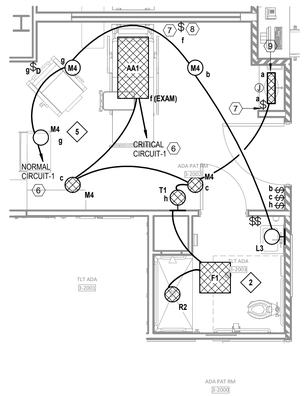
7 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 123 - POWER
1/4" = 1'-0"



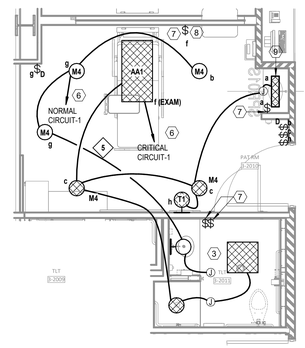
6 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 229 - POWER
1/4" = 1'-0"



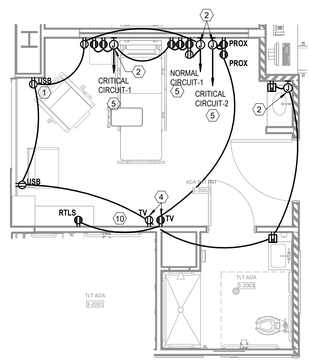
5 ENLARGED FLOOR PLAN - LEVEL 03 ELEC 64 - POWER
1/4" = 1'-0"



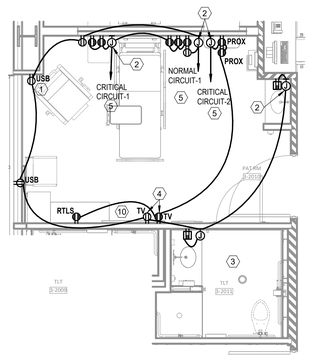
4 FLOOR PLAN - LEVEL 03 - MED SURG - TYP ADA PATIENT ROOM - LIGHTING
1/4" = 1'-0"



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



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



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

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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2011040115
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

ENLARGED PLANS - ELECTRICAL

E05-02

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
1/29/2025 3:34:20 PM

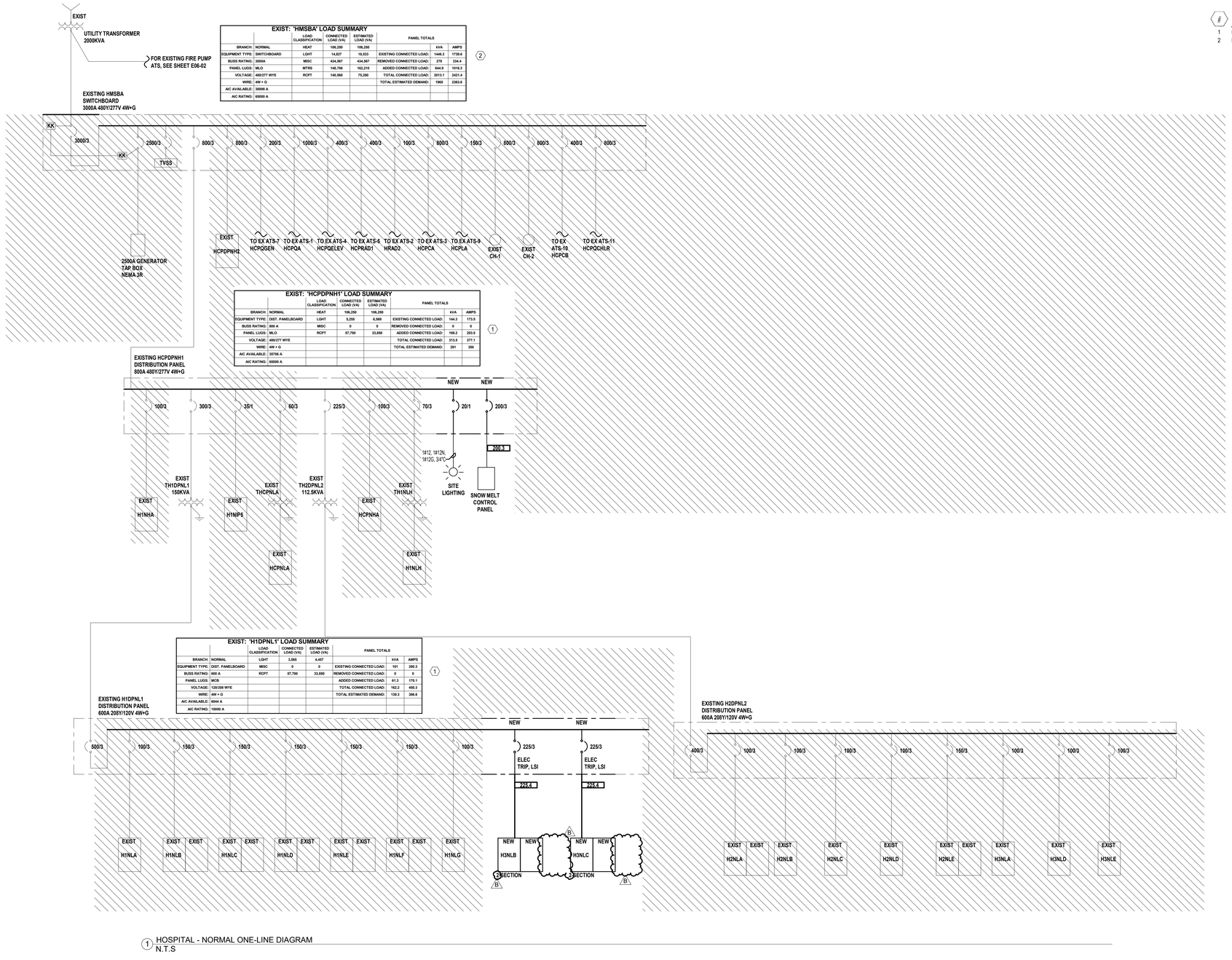
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/03/2025

GENERAL NOTES

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

LEGEND NOTES

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



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

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

Consultant:
wsp

STATE OF MISSOURI
MINDY SUSAN WHEELER
NUMBER PE-2011040115
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

ONE LINE DIAGRAM - ELECTRICAL

E06-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
1/29/2025 3:34:23 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

LEGEND NOTES

1. EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.
2. EXISTING LOAD IS BASED ON LAST 12 MONTHS OF GENERATOR TESTING DATA.
3. EXISTING MECHANICAL EQUIPMENT TO BE RE-CONNECTED TO EQUIPMENT PANEL HCPDPQH1. ALL ASSOCIATED EXISTING STARTER(S) AND DISCONNECT(S) TO REMAIN. EXISTING CONDUCTORS AND CONDUIT TO REMAIN AND SPLICE WITH NEW CONDUCTOR TO EXTEND TO NEW POWER PANEL. CONTRACTOR TO VERIFY EXISTING CONDUCTOR AND CONDUIT IN ACCEPTABLE CONDITION TO RE-USE. LABEL THE UPSTREAM BREAKER AS "SPARE".

EXIST 900KW GENERATOR
480Y/277V, 3PH, 4W

EXISTING HEMSBA
SWITCHBOARD
1600A 480Y/277V 4W+G

EXIST: 'HEMSBA' LOAD SUMMARY (2)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EMERGENCY	LGHT	9,571	11,964		kVA	AMPS
EQUIPMENT TYPE:	SWITCHBOARD	MISC	434,567	434,567	EXISTING CONNECTED LOAD:	495	595.4
BUSS RATING:	1600A	MTRS	148,706	162,210	REMOVED CONNECTED LOAD:	278	334.4
PANEL LUGS:	MLO	RCPT	82,860	46,430	ADDED CONNECTED LOAD:	675.7	812.7
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	892.7	1073.7
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	872.1	1049
AIC AVAILABLE:	TBD A						
AIC RATING:	42000 A						

KK — 1600/3 — KK — TVSS — 1600/3 — 1600A GENERATOR TAP BOX NEMA 3R

1600/3 — 200/3 — 1000/3 — 400/3 — 400/3 — 1000/3 — 800/3 — 150/3 — 300/3 — 400/3 — 800/3

TO EX ATS-4 HCPQELEV — TO EX ATS-5 HCPRAD1 — TO EX ATS-2 HRAD2 — TO EXISTING FIRE PUMP — TO EX ATS-10 HCPCB

TO HMSBA — EXIST ATS-1 HCPQA 1000A

TO HMSBA — EXIST ATS-3 HCPCA

TO HMSBA — EXIST ATS-8 HCPLA

TO HMSBA — EXIST ATS-7 HCPQGEN

EXISTING HCPDPQGEN
DISTRIBUTION PANEL
200A 480Y/277V 4W+G

EXIST: 'HCPDPQGEN' LOAD SUMMARY

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	67,311	67,311		kVA	AMPS
EQUIPMENT TYPE:	DISTRIBUTION...				EXISTING CONNECTED LOAD:	76.7	92.3
BUSS RATING:	200				REMOVED CONNECTED LOAD:	33.4	40.2
PANEL LUGS:	MLO				ADDED CONNECTED LOAD:	67.3	81
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	110.6	133.1
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	110.6	133.1
AIC AVAILABLE:	28162 A						
AIC RATING:	42000 A						

15/3 — 60/3 — 50/3 — 70/3 — 35/3

CNTRL

EXIST JP-1 — 10 DEMO MAC-1 — 10 DEMO MAC-1 — 10 DEMO MAC-1 — EXIST MVP-1 — EXIST CA — EXIST HCPQGENLA

EXIST: 'HCPDPCH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	CRITICAL	LGHT	7,292	9,115		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MISC	200	200	EXISTING CONNECTED LOAD:	153.3	184.4
BUSS RATING:	800 A	RCPT	82,860	46,430	REMOVED CONNECTED LOAD:	0	0
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	90.4	108.7
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	243.7	293.1
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	209.1	251.5
AIC AVAILABLE:	33020 A						
AIC RATING:	65000 A						

EXISTING HCPDPCH1
DISTRIBUTION PANEL
800A 480Y/277V 4W+G

100/3 — 225/3 — 80/3 — 225/3 — 60/2 — 35/1 — 60/2 — 35/1 — 60/2 — 35/1 — 60/2 — 35/1 — 35/1 — 35/1 — 35/3 SPARE — 60/2 — 175/3

EXIST TH1DPCL1 — EXIST THCPCLA — EXIST TH2DPCL2

EXIST H1CHA — EXIST H1CIP1A — EXIST H1CIP1B — EXIST H1CIP2A — EXIST H1CIP2B — EXIST H1CIP3A — EXIST H1CIP3B — EXIST H1CIP4A — EXIST H1CIP4B — EXIST H1CIP5 — EXIST H1CIP6 — EXIST H1CIP7A

TO EXISTING PNLBD H1DPCL1 — TO EXISTING PNLBD H2DPCL2 — TO EXISTING PNLBD HCPCLA

EXIST TH3DPCL3 112.5KVA

EXIST: 'HCPDPQH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	17,804	17,804		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MTRS	94,691	104,687	EXISTING CONNECTED LOAD:	307.6	442.2
BUSS RATING:	1200A				REMOVED CONNECTED LOAD:	17.3	20.8
PANEL LUGS:	MLO				ADDED CONNECTED LOAD:	112.5	135.3
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	482.8	556.7
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	472.8	568.7
AIC AVAILABLE:	34453 A						
AIC RATING:	65000 A						

EXISTING HCPDPQH1
DISTRIBUTION PANEL
1200A 480Y/277V 4W+G

60/3 — 150/3 — 400/3 — 250/3 — 350/3 — 300/3 — 200/3 — 90/3 — 400/3 — 80/3 — 100/3 — 100/3 — 250/3

TO EX HCPDPQH2 — TO EX H2DPQHA — TO EX H2DPQHB — TO EX HPDPQHC — TO EX HPDPQHD — EXIST ACCU-9 — TO EX H3DPQHA — TO EX PHILIPS HYBRID — TO EX RTU-1 HYBRID — TO EX H1QHA — TO EX H1QHB

EXIST THCPQLA — EXIST TH1QLA — EXIST HCPQLA — EXIST H1QLA

/B\

EXIST: 'HCPDPLH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	LIFE SAFETY	LGHT	2,279	2,849		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MISC	400	400	EXISTING CONNECTED LOAD:	50.4	60.7
BUSS RATING:	150 A				REMOVED CONNECTED LOAD:	0	0
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	2.7	3.2
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	53.1	63.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	53.7	64.6
AIC AVAILABLE:	19653 A						
AIC RATING:	65000 A						

EXISTING HCPDPLH1
DISTRIBUTION PANEL
150A 480Y/277V 4W+G

90/3 — 90/3 — 100/3 SPACE — 100/3 SPACE

EXIST THCPLLA — EXIST 100/90/3 — EXIST HCPLLA — EXIST TH1LLA — EXIST H1LLA — EXIST H2LLA — /B\

TO HMSBA — DPM — EXIST ATS-11 HCPQCHLR 800A

EXIST: 'HCPQCHLR' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	348,802	348,802		kVA	AMPS
EQUIPMENT TYPE:	DISTRIBUTION PANEL	MTRS	54,015	67,519	EXISTING CONNECTED LOAD:	231.8	278.6
BUSS RATING:	800 A				REMOVED CONNECTED LOAD:	227.3	273.4
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	402.9	484.6
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	407.3	489.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	420.8	506.2
AIC AVAILABLE:	31208 A						
AIC RATING:	42000 A						

EXISTING HCPQCHLR
DISTRIBUTION PANEL
800A 480/277V 4W+G

600/3 — 70/3 — 15/3 — 15/3 — 80/3

DEMO VFD — DEMO VFD — EXIST VFD — EXIST VFD — EXIST HCPQLCHLR

DEMO CH-3 — DEMO CHP-3 — EXIST HKWP-1 — EXIST HHWP-1

EXIST HCPQLCHLR

EXIST: 'H3DPCL3' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	CRITICAL	LGHT	7,292	9,115		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MISC	200	200	EXISTING CONNECTED LOAD:	25.1	69.8
BUSS RATING:	400 A	RCPT	82,860	46,430	REMOVED CONNECTED LOAD:	0	0
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	90.4	250.8
VOLTAGE:	120/208 WYE				TOTAL CONNECTED LOAD:	115.5	320.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	80.9	224.5
AIC AVAILABLE:	4625 A						
AIC RATING:	10000 A						

EXISTING H3DPCL3
DISTRIBUTION PANEL
400A 208Y/120V 4W+G

400/3 — 150/3 — 150/3 — 150/3 — 150/3 — 150/3

EXIST H3CLA — EXIST — SPD

EXIST H3CLD — SPD

EXIST H3CLE — SPD

1 DEMO HOSPTAL - EMERGENCY ONE-LINE DIAGRAM
N.T.S

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WSP USA Buildings Inc. 2013001881

02/06/2025

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS

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

DATE:	2024/12/05
SCALE:	N.T.S
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DEMO ONE LINE DIAGRAM - ELECTRICAL

E06-02

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/NEP_LSMC Med Surg & Dietery Expansion_R23.rvt
1/29/2025 3:34:25 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

LEGEND NOTES

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

EXIST 900KW GENERATOR
480Y/277V, 3PH, 4W

EXISTING HEMSBA SWITCHBOARD
1600A 480Y/277V 4W+G

EXIST: 'HEMSBA' LOAD SUMMARY (2)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EMERGENCY	LGHT	9,571	11,964		kVA	AMPS
EQUIPMENT TYPE:	SWITCHBOARD	MISC	434,567	434,567	EXISTING CONNECTED LOAD:	495	595.4
BUSS RATING:	1600A	MTRS	148,706	163,210	REMOVED CONNECTED LOAD:	278	334.4
PANEL LUGS:	MLO	RCPT	82,860	46,430	ADDED CONNECTED LOAD:	675.7	812.7
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	892.7	1073.7
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	872.1	1049
AIC AVAILABLE:	7962 A						
AIC RATING:	42000 A						

KK — 1600/3 — KK — 1600/3 — TVSS

200/3 — TO EX ATS-4 HCPQELEV
1000/3 — 400/3 — TO EX ATS-5 HCPRAD1
400/3 — TO EX ATS-2 HRAD2
1000/3 — 800/3 — TO EXISTING FIRE PUMP
150/3 — 300/3 — TO EX ATS-10 HCPCB
400/3 — 800/3

1600A GENERATOR TAP BOX NEMA 3R

TO HMSBA — EXIST ATS-1 HCPQA 1000A
TO HMSBA — EXIST ATS-3 HCPCA
TO HMSBA — EXIST ATS-9 HCPLA
TO HMSBA — EXIST ATS-7 HCPQGEN

EXIST: 'HCPDPQGEN' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	67,311	67,311		kVA	AMPS
EQUIPMENT TYPE:	DISTRIBUTION...				EXISTING CONNECTED LOAD:	76.7	82.3
BUSS RATING:	200				REMOVED CONNECTED LOAD:	33.4	40.2
PANEL LUGS:	MLO				ADDED CONNECTED LOAD:	67.3	81
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	110.6	123.1
WIRE:	2W + G				TOTAL ESTIMATED DEMAND:	110.6	133.1
AIC AVAILABLE:	28162 A						
AIC RATING:	42000 A						

EXISTING HCPDPQGEN DISTRIBUTION PANEL
200A 480Y/277V 4W+G

NEW
15/3 — 100/3 100/3 THERM MAG — 3 #3, 1 #8 G — CNTRL
50/3 — 70/3 — 35/3
EXIST JP-1 — NEW MAC-1 — NEW MAC-1 — NEW MAC-1
EXIST MVP-1 — EXIST CA — EXIST HCPQGENLA
AVAIL AMPS: 9792 A

EXIST: 'HCPDPLH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	LIFE SAFETY	LGHT	2,279	2,849		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MISC	400	400	EXISTING CONNECTED LOAD:	50.4	60.7
BUSS RATING:	150 A				REMOVED CONNECTED LOAD:	0	0
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	2.7	3.2
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	53.1	63.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	53.7	64.6
AIC AVAILABLE:	19653 A						
AIC RATING:	65000 A						

EXISTING HCPQPLH1 DISTRIBUTION PANEL
150A 480Y/277V 4W+G

NEW — NEW
90/3 — 100/3 90/3 — 20/1 20/1
1#12, 1#12G, 1#10G, 3/4"C
EXIST THCPLLA — SITE LIGHTING
EXIST 100/90/3 — NEW D-TH3LLA 100/90/3
NEW TH3LLA 45KVA XFMR
EXIST HCPLLA — EXIST TH1LLA — NEW H3LLA — SPD
EXIST H1LLA
EXIST H2LLA — B

TO HMSBA — DPM — EXIST ATS-11 HCPQCHLR 800A

EXIST: 'HCPQCHLR' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	348,852	348,852		kVA	AMPS
EQUIPMENT TYPE:	DISTRIBUTION PANEL	MTRS	54,015	67,519	EXISTING CONNECTED LOAD:	231.8	275.6
BUSS RATING:	800 A				REMOVED CONNECTED LOAD:	227.3	273.4
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	402.9	484.6
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	407.3	489.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	420.8	506.2
AIC AVAILABLE:	31208 A						
AIC RATING:	42000 A						

EXISTING HCPQCHLR DISTRIBUTION PANEL
800A 480/277V 4W+G

NEW — NEW — NEW
3 — 700/3 700/3 LSI — 200/3 125/3 THERM MAG — 15/3 15/3 THERM MAG — 60/3 SPARE — 60/3
2 SETS EACH OF (3# 300KCM, 1#10 G, 3"C)
50 M — 3#12, 1#12 G, 3/4"C
NEW VFD DIV. 23 — NEW VFD DIV. 26 — 30/3 DIV. 23 — EXIST THCPQLCHLR
50 M — 50
NEW CH-3 AVAIL AMPS: 22402 A — CHWP-3 AVAIL AMPS: 9390 A — NEW FCU-CP-7 AVAIL AMPS: 6569 A
EXIST HCPQL CHLR

EXIST: 'HCPDPCH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	CRITICAL	LGHT	7,292	9,115		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MISC	200	200	EXISTING CONNECTED LOAD:	153.3	184.4
BUSS RATING:	800 A	RCPT	82,860	46,430	REMOVED CONNECTED LOAD:	0	0
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	90.4	108.7
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	243.7	293.1
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	209.1	251.5
AIC AVAILABLE:	33020 A						
AIC RATING:	65000 A						

EXISTING HCPDPCH1 DISTRIBUTION PANEL
800A 480Y/277V 4W+G

100/3 — 225/3 — 60/3 — 225/3 — 60/2 — 35/1 — 60/2 — 35/1 — 60/2 — 35/1 — 60/2 — 35/1 — 35/1 — 35/1 — 35/3 SPARE — 60/2 — 175/3

EXIST TH1DPCL1 — EXIST THCPCLA — EXIST TH2DPCL2
EXIST H1CHA — EXIST H1CIP1A — EXIST H1CIP1B — EXIST H1CIP2A — EXIST H1CIP2B — EXIST H1CIP3A — EXIST H1CIP4B — EXIST H1CIP4A — EXIST H1CIP5 — EXIST H1CIP6 — EXIST H1CIP7A
TO EXISTING PNLBD H1DPCL1 — TO EXISTING PNLBD H2DPCL2 — TO EXISTING PNLBD HCPCLA
EXIST TH3DPCL3 112.5KVA

EXIST: 'H3DPCL3' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	CRITICAL	LGHT	7,292	9,115		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MISC	200	200	EXISTING CONNECTED LOAD:	25.1	69.8
BUSS RATING:	400 A	RCPT	82,860	46,430	REMOVED CONNECTED LOAD:	0	0
PANEL LUGS:	MCB				ADDED CONNECTED LOAD:	90.4	250.8
VOLTAGE:	120/208 WYE				TOTAL CONNECTED LOAD:	115.5	320.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	80.9	224.5
AIC AVAILABLE:	4625 A						
AIC RATING:	10000 A						

EXISTING H3DPCL3 DISTRIBUTION PANEL
400A 208Y/120V 4W+G

NEW — NEW
400/3 — 150/3 — 150/3 — 150/3 — 200/3 200/3 ELEC TRIP, LSI — 200/3 200/3 ELEC TRIP, LSI
200 A — 200 A
EXIST H3CLA — EXIST H3CLD — EXIST H3CLE — NEW H3CLB — NEW H3CLC
SPD — SPD — SPD — SPD — SPD
B — B

EXIST: 'HCPDPQH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	17,804	17,804		kVA	AMPS
EQUIPMENT TYPE:	DIST. PANELBOARD	MTRS	94,691	104,697	EXISTING CONNECTED LOAD:	367.6	442.2
BUSS RATING:	1200A				REMOVED CONNECTED LOAD:	17.3	20.8
PANEL LUGS:	MLO				ADDED CONNECTED LOAD:	112.5	135.3
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	462.8	556.7
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	472.8	568.7
AIC AVAILABLE:	34463 A						
AIC RATING:	65000 A						

EXISTING HCPDPQH1 DISTRIBUTION PANEL
1200A 480Y/277V 4W+G

NEW — NEW — NEW
0/3 — 150/3 — 400/3 — 250/3 — 350/3 — 300/3 — 200/3 — 90/3 — 400/3 — 80/3 — 100/3 — 100/3 — 250/3
20/3 15/3 THERM MAG — 20/3 15/3 THERM MAG — 400/3 400/3 ELEC TRIP, LSI
400 A
EXIST THCPQLA — EXIST TH1QLA — TO EX. HCPDPQH2 — TO EX H2DPQHA — TO EX H2DPQHB — TO EX. HPDPQHC — TO EX HPDPQHD — EXIST ACCU-8 — TO EX H3DPQHA — TO EX PHILIPS HYBRID — TO EX RTU-1 HYBRID — TO EX H1QHA — TO EX H1QHB
EXIST VFD — EXIST VFD
EXIST HRWP-1 — EXIST HRWP-1
EXIST HCPQLA — EXIST H1QLA
B

NEW: 'H3DPQB' LOAD SUMMARY

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS		
BRANCH:	EQUIPMENT	MISC	17,804	17,804		kVA	AMPS
EQUIPMENT TYPE:	DISTRIBUTION...	MTRS	84,388	94,394			
BUSS RATING:	400A						
PANEL LUGS:	MLO						
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	102.2	122.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	112.2	135
AIC AVAILABLE:	6713 A						
AIC RATING:	14000 A						

NEW H3DPQB DISTRIBUTION PANEL
400A 480/277V 4W+G

1 — 2 — 3 — 4 — 5 — 6 — 7 — 8 — 9 — 10-13
100/3 60/3 ELEC TRIP, LSI — 15/3 15/3 THERM MAG — 15/3 15/3 THERM MAG — 15/3 15/3 THERM MAG — 15/3 15/3 THERM MAG — 15/3 15/3 THERM MAG — 100/3 70/3 THERM MAG — 20/3 20/3 THERM MAG — THERM MAG — PROVIDE: 2 S.O. @ 250A/3P 2 S.O. @ 100A/3P
15.3 — 15.3 — 15.3 — 15.3 — 15.3 — 15.3 — 15.3 — 15.3 — 15.3
3#10, 1#10 G, 3/4"C — CNTRL — CNTRL — 4 — SPD
NEW TH3QLB 30KVA XFMR
NEW H3QLB
NEW HOA BY DIV. 23 — NEW HOA BY DIV. 23 — NEW HOA BY DIV. 23 — NEW HOA BY DIV. 23 — NEW HOA BY DIV. 23 — NEW VFD — NEW VFD — NEW VFD — NEW VFD
NEW GEF-1 1 HP — NEW GEF-2 2 HP — NEW GEF-13 2 HP — NEW GEF-29 2 HP — NEW GEF-30 1 HP — NEW B AHU-GEF 20 HP — NEW B AHU-GEF 20 HP — NEW B AHU-GEF 7.5 HP — NEW B AHU-GEF 7.5 HP
AVAIL AMPS: 1680 A — AVAIL AMPS: 6869 A — AVAIL AMPS: 1483 A — AVAIL AMPS: 519 A — AVAIL AMPS: 1289 A — AVAIL AMPS: 6549 A — AVAIL AMPS: 2834 A

1 HOSPTAL - EMERGENCY ONE-LINE DIAGRAM
N.T.S

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

Consultant:
wsp

BRADY RUSAN WHEELER
NUMBER PE-2011040135
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

ONE LINE DIAGRAM - ELECTRICAL

E06-03

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.

1/29/2025 3:34:27 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

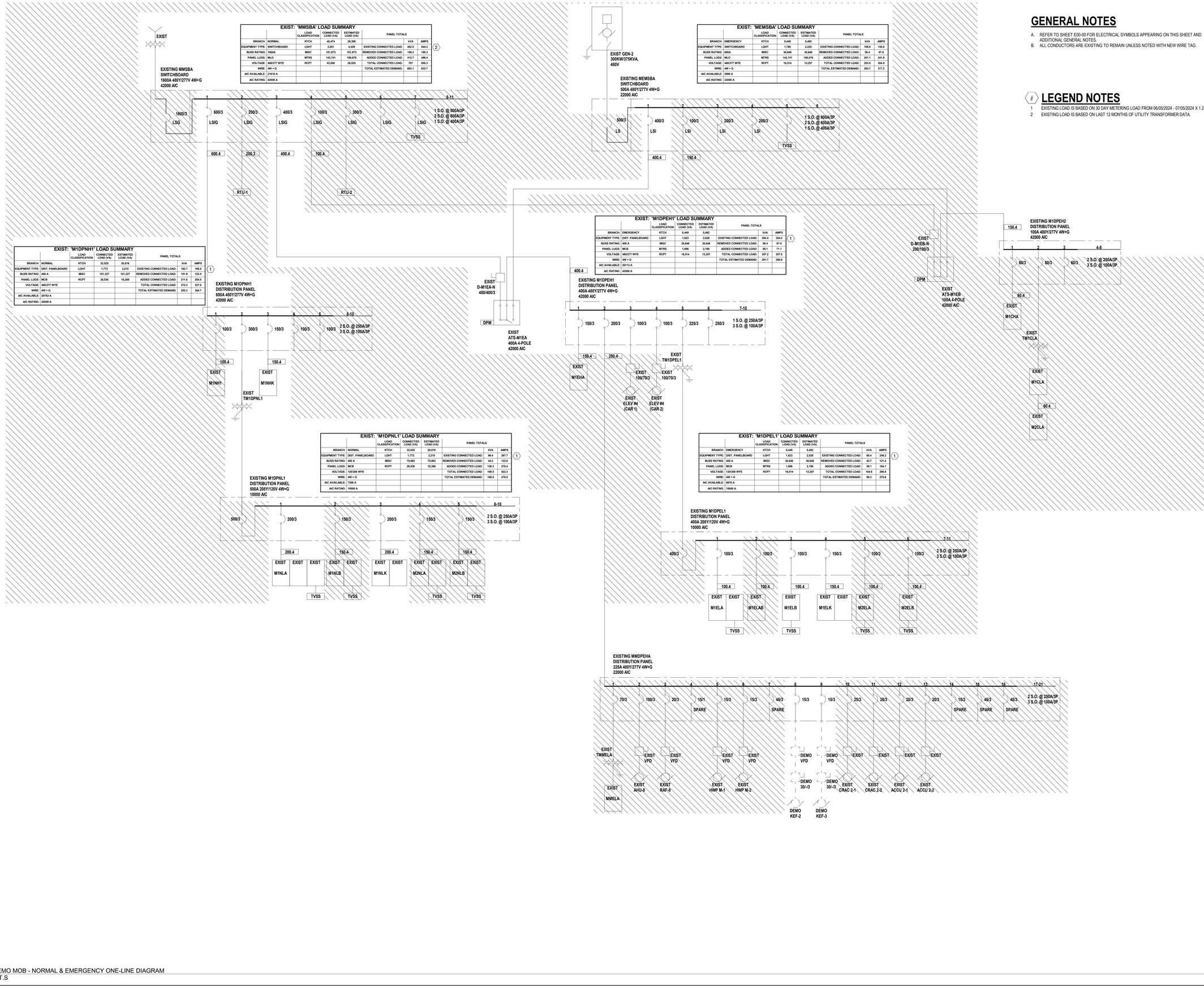
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

LEGEND NOTES

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



EXIST: 'MMSBA' LOAD SUMMARY (2)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	NORMAL	KTCH	40,474	26,308			
EQUIPMENT TYPE:	SWITCHBOARD	LGHT	3,551	4,439	EXISTING CONNECTED LOAD:	452.5	544.3
BUSS RATING:	1600A	MISC	181,073	181,073	REMOVED CONNECTED LOAD:	138.2	166.3
PANEL LUGS:	MLO	MTRS	143,741	159,676	ADDED CONNECTED LOAD:	412.7	496.4
VOLTAGE:	480/277 WYE	RCPT	43,660	26,826	TOTAL CONNECTED LOAD:	707	850.3
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	693.1	833.7
AIC AVAILABLE:	21618 A						
AIC RATING:	42000 A						

EXIST: 'MEMSBA' LOAD SUMMARY

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	KTCH	8,449	5,492			
EQUIPMENT TYPE:	SWITCHBOARD	LGHT	1,780	2,225	EXISTING CONNECTED LOAD:	108.8	130.8
BUSS RATING:	600A	MISC	30,646	30,646	REMOVED CONNECTED LOAD:	66.4	67.8
PANEL LUGS:	MLO	MTRS	143,741	159,676	ADDED CONNECTED LOAD:	201.1	241.9
VOLTAGE:	480/277 WYE	RCPT	16,514	13,257	TOTAL CONNECTED LOAD:	253.5	304.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	263.7	317.2
AIC AVAILABLE:	2998 A						
AIC RATING:	22000 A						

EXIST: 'M1DPNH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	NORMAL	KTCH	32,025	20,816			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,772	2,215	EXISTING CONNECTED LOAD:	162.7	198.8
BUSS RATING:	400 A	MISC	181,227	181,227	REMOVED CONNECTED LOAD:	101.8	122.8
PANEL LUGS:	MCB	RCPT	26,536	18,268	ADDED CONNECTED LOAD:	211.6	254.5
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	272.3	327.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	253.3	304.7
AIC AVAILABLE:	20763 A						
AIC RATING:	42000 A						

EXIST: 'M1DPEH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	KTCH	8,449	5,492			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,623	2,028	EXISTING CONNECTED LOAD:	294.5	354.2
BUSS RATING:	400 A	MISC	30,646	30,646	REMOVED CONNECTED LOAD:	56.4	67.8
PANEL LUGS:	MCB	MTRS	1,896	2,190	ADDED CONNECTED LOAD:	59.1	71.1
VOLTAGE:	480/277 WYE	RCPT	16,514	13,257	TOTAL CONNECTED LOAD:	297.2	357.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	291.7	350.9
AIC AVAILABLE:	20113 A						
AIC RATING:	42000 A						

EXIST: 'M1DPNL1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	NORMAL	KTCH	32,025	20,816			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,772	2,215	EXISTING CONNECTED LOAD:	90.4	267.7
BUSS RATING:	400 A	MISC	75,993	75,993	REMOVED CONNECTED LOAD:	44.2	122.8
PANEL LUGS:	MCB	RCPT	26,536	18,268	ADDED CONNECTED LOAD:	136.3	376.4
VOLTAGE:	120/208 WYE				TOTAL CONNECTED LOAD:	188.5	523.3
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	169.5	470.5
AIC AVAILABLE:	7308 A						
AIC RATING:	10000 A						

EXIST: 'M1DPEL1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	KTCH	8,449	5,492			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,623	2,028	EXISTING CONNECTED LOAD:	89.4	246.2
BUSS RATING:	400 A	MISC	30,646	30,646	REMOVED CONNECTED LOAD:	43.7	121.4
PANEL LUGS:	MCB	MTRS	1,896	2,190	ADDED CONNECTED LOAD:	59.1	164.1
VOLTAGE:	120/208 WYE	RCPT	16,514	13,257	TOTAL CONNECTED LOAD:	104.8	290.8
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	99.3	276.6
AIC AVAILABLE:	6976 A						
AIC RATING:	10000 A						

1 DEMO MOB - NORMAL & EMERGENCY ONE-LINE DIAGRAM
N.T.S

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2010060133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	N.T.S
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DEMO ONE LINE DIAGRAM - ELECTRICAL

E06-04

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/5/2024 1:57:18 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES

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

LEGEND NOTES

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

EXIST

EXISTING MMSBA SWITCHBOARD 1600A 480Y/277V 4W+G 42000 AIC

EXIST: 'MMSBA' LOAD SUMMARY (2)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	NORMAL	KTCH	40,474	26,308			
EQUIPMENT TYPE:	SWITCHBOARD	LGHT	3,549	4,437	EXISTING CONNECTED LOAD:	452.5	544.3
BUSS RATING:	1600A	MISC	101,873	101,873	REMOVED CONNECTED LOAD:	158.2	190.3
PANEL LUGS:	MLO	MTRS	143,741	109,676	ADDED CONNECTED LOAD:	412.7	496.4
VOLTAGE:	480/277 WYE	RCPT	43,090	26,525	TOTAL CONNECTED LOAD:	707	850.3
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	693.1	833.7
AIC AVAILABLE:	21610 A						
AIC RATING:	42000 A						

NEW

1600/3 LSIG — 600/3 LSIG — 200/3 LSIG — 400/3 LSIG — 100/3 LSIG — 300/3 LSIG — 400/3 (1) LSIG — LSIG — LSIG — TVSS

1 S.O. @ 600A/3P
2 S.O. @ 600A/3P
1 S.O. @ 400A/3P

600.4 — 200.3 — 400.4 — 100.4 — 400.4 (1)

RTU-1 — RTU-2

EXIST GEN-2 300KW/375KVA, 480Y

EXISTING MEMSBA SWITCHBOARD 600A 480Y/277V 4W+G 22000 AIC

EXIST: 'MEMSBA' LOAD SUMMARY

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	KTCH	8,449	5,492			
EQUIPMENT TYPE:	SWITCHBOARD	LGHT	1,778	2,222	EXISTING CONNECTED LOAD:	108.8	130.8
BUSS RATING:	600A	MISC	30,646	30,646	REMOVED CONNECTED LOAD:	66.4	67.8
PANEL LUGS:	MLO	MTRS	143,741	159,676	ADDED CONNECTED LOAD:	201.1	241.9
VOLTAGE:	480/277 WYE	RCPT	16,514	13,257	TOTAL CONNECTED LOAD:	253.5	304.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	263.7	317.2
AIC AVAILABLE:	2998 A						
AIC RATING:	22000 A						

NEW

600/3 LS — 400/3 LSI — 100/3 LSI — 200/3 LSI — 200/3 LSI — 400/3 (1) LSI — TVSS

1 S.O. @ 800A/3P
2 S.O. @ 600A/3P

400.4 — 150.4 — 400.4 (1)

EXIST: 'M1DPNH1' LOAD SUMMARY

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	NORMAL	KTCH	32,025	20,816			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,772	2,215	EXISTING CONNECTED LOAD:	162.7	196.6
BUSS RATING:	400 A	MISC	101,227	101,227	REMOVED CONNECTED LOAD:	101.9	122.5
PANEL LUGS:	MCB	RCPT	26,536	18,268	ADDED CONNECTED LOAD:	211.6	254.5
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	272.3	327.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	253.3	304.7
AIC AVAILABLE:	20763 A						
AIC RATING:	42000 A						

(1)

EXISTING M1DPNH1 DISTRIBUTION PANEL 600A 480Y/277V 4W+G 42000 AIC

1 — 100/3 — 2 — 300/3 — 3 — 150/3 — 4 — 100/3 — 5 — 100/3 — 6-10 — 2 S.O. @ 250A/3P, 3 S.O. @ 100A/3P

100.4 — 150.4

EXIST M1NH1 — EXIST M1NHK — EXIST TM1DPNL1

EXIST: 'M1DPNL1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	NORMAL	KTCH	32,025	20,816			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,772	2,215	EXISTING CONNECTED LOAD:	96.4	267.7
BUSS RATING:	400 A	MISC	75,993	75,993	REMOVED CONNECTED LOAD:	44.2	122.8
PANEL LUGS:	MCB	RCPT	26,536	18,268	ADDED CONNECTED LOAD:	136.3	378.4
VOLTAGE:	120/208 WYE				TOTAL CONNECTED LOAD:	188.5	523.3
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	169.5	470.5
AIC AVAILABLE:	7309 A						
AIC RATING:	10000 A						

EXISTING M1DPNL1 DISTRIBUTION PANEL 500A 208Y/120V 4W+G 10000 AIC

1 — 500/3 — 2 — 200/3 — 3 — 150/3 — 4 — 200/3 — 5 — 150/3 — 6 — 150/3 — 7 — 225/3 225/3 ELEC TRIP, LSI — 8 — 125/3 125/3 ELEC TRIP, LSI — 9-13 — 125/3 125/3 ELEC TRIP, LSI — 2 S.O. @ 250A/3P, 3 S.O. @ 100A/3P

200.4 — 150.4 — 200.4 — 150.4 — 150.4 — 225.3 — 125.3 — 125.3

EXIST M1NLA — EXIST M1NLB — EXIST M1NLK — EXIST M2NLA — EXIST M2NLB — NEW M1NLKB FUTR — NEW LOAD CENTER #38 — NEW LOAD CENTER #6

TVSS — TVSS — TVSS — TVSS — TVSS

EXIST D-M1E1A-N 400/400/3 — DPM — EXIST ATS-M1EA EMERGENCY 400A 4-POLE 42000 AIC

400.4

EXISTING M1DPEH1 DISTRIBUTION PANEL 400A 480Y/277V 4W+G 42000 AIC

EXIST: 'M1DPEH1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	KTCH	8,449	5,492			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,621	2,026	EXISTING CONNECTED LOAD:	294.5	354.2
BUSS RATING:	400 A	MISC	30,646	30,646	REMOVED CONNECTED LOAD:	56.4	67.8
PANEL LUGS:	MCB	MTRS	1,896	2,190	ADDED CONNECTED LOAD:	59.1	71.1
VOLTAGE:	480/277 WYE	RCPT	16,514	13,257	TOTAL CONNECTED LOAD:	297.2	357.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	291.7	350.9
AIC AVAILABLE:	20113 A						
AIC RATING:	42000 A						

1 — 150/3 — 2 — 200/3 — 3 — 100/3 — 4 — 100/3 — 5 — 225/3 — 6-9 — 1 S.O. @ 250A/3P, 3 S.O. @ 100A/3P

150.4 — 200.4

EXIST M1EHA — EXIST 100/70/3 — EXIST TM1DPEL1 — EXIST 100/70/3 — EXIST ELEV #4 (CAR 1) — EXIST ELEV #4 (CAR 2)

EXIST D-M1E1B-N 200/100/3 — DPM — EXIST ATS-M1EB LIFE-SAFETY 100A 4-POLE 42000 AIC

EXISTING M1DPEH2 DISTRIBUTION PANEL 100A 480Y/277V 4W+G 42000 AIC

150.4

1 — 60/3 — 2 — 60/3 — 3 — 60/3 — 4-8 — 2 S.O. @ 250A/3P, 3 S.O. @ 100A/3P

60.4

EXIST M1CHA — EXIST TM1CLA — EXIST M1CLA — EXIST M2CLA

EXIST: 'M1DPEL1' LOAD SUMMARY (1)

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	KTCH	8,449	5,492			
EQUIPMENT TYPE:	DIST. PANELBOARD	LGHT	1,621	2,026	EXISTING CONNECTED LOAD:	89.4	248.2
BUSS RATING:	400 A	MISC	30,646	30,646	REMOVED CONNECTED LOAD:	43.7	121.4
PANEL LUGS:	MCB	MTRS	1,896	2,190	ADDED CONNECTED LOAD:	59.1	164.1
VOLTAGE:	120/208 WYE	RCPT	16,514	13,257	TOTAL CONNECTED LOAD:	104.8	290.9
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	99.3	275.6
AIC AVAILABLE:	6976 A						
AIC RATING:	10000 A						

EXISTING M1DPEL1 DISTRIBUTION PANEL 400A 208Y/120V 4W+G 10000 AIC

400/3 — 1 — 100/3 — 2 — 100/3 — 3 — 100/3 — 4 — 150/3 — 5 — 100/3 — 6 — 100/3 — NEW 7 — 150/3 150/3 ELEC TRIP, LSI — 8-11 — 2 S.O. @ 250A/3P, 2 S.O. @ 100A/3P

100.4 — 100.4 — 100.4 — 150.4 — 100.4 — 100.4 — 150.3

EXIST M1ELA — EXIST M1ELAB — EXIST M1ELB — EXIST M1ELK — EXIST M2ELA — EXIST M2ELB — NEW M1ELKB

TVSS — TVSS — TVSS — TVSS

EXISTING MMDPEHA DISTRIBUTION PANEL 225A 480Y/277V 4W+G 22000 AIC

1 — 70/3 — 2 — 100/3 — 3 — 20/3 — 4 — 15/1 SPARE — 5 — 15/3 — 6 — 15/3 — 7 — 45/3 SPARE — 8 — 15/3 — 9 — 15/3 SPARE — 10 — 25/3 — 11 — 25/3 — 12 — 20/3 — 13 — 20/3 — 14 — 15/3 SPARE — 15 — 45/3 SPARE — 16 — 45/3 SPARE — 17-21 — 2 S.O. @ 250A/3P, 3 S.O. @ 100A/3P

EXIST TMMELA — EXIST MMELA

EXIST VFD — EXIST AHU-8 — EXIST VFD — EXIST RAF-8 — EXIST VFD — EXIST HWP M-1 — EXIST VFD — EXIST HWP M-2

EXIST — EXIST CRAC 2-1 — EXIST — EXIST CRAC 2-2 — EXIST — EXIST ACCU 2-1 — EXIST — EXIST ACCU 2-2

DPM

NEW AUTOMATIC TRANSFER SWITCH ATS-M1EC OPEN TRANSITION, DELAYED 3-CYCLE (0.05 SEC) RATED, 4-POLE (SWITCHED NEUTRAL) 1600A 480Y/277V, 3PH, 4W+G 42000 WCR

400.4 (1)

NEW M1DPEH3 DISTRIBUTION PANEL 400A 480Y/277V 4W+G 42000 AIC

NEW: 'M1DPEH3' LOAD SUMMARY

		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED LOAD (VA)	PANEL TOTALS	kVA	AMPS
BRANCH:	EMERGENCY	MTRS	141,845	157,760			
EQUIPMENT TYPE:	DISTRIBUTION...						
BUSS RATING:	400A (1)						
PANEL LUGS:	MCB						
VOLTAGE:	480/277 WYE				TOTAL CONNECTED LOAD:	141.8	170.6
WIRE:	4W + G				TOTAL ESTIMATED DEMAND:	157.8	189.8
AIC AVAILABLE:	10824 A						
AIC RATING:	42000 A						

1 — 15/4 15/4 THERM MAG — 2 — 15/3 15/3 THERM MAG — 3 — 15/3 15/3 THERM MAG — 4 — 100/3 90/3 THERM MAG — 5 — 200/3 110/3 THERM MAG — 6 — 15/3 15/3 THERM MAG — 7 — 3 THERM MAG — 8-11 — PROVIDE: 2 S.O. @ 250A/3P, 2 S.O. @ 100A/3P

15.3 — 15.3 — 15.3 — 90.3 — 110.3 — 15.3 — SPD

NEW VFD — NEW VFD — NEW VFD — CNTRL — CNTRL — NEW VFD

NEW NEMA 3R 30/-/3 15.3 — NEW NEMA 3R 30/-/3 15.3 — NEW NEMA 3R 30/-/3 15.3 — NEW MAU-1 79 FLA AVAIL AMPS: 4266 A — NEW RTU-3 80 FLA AVAIL AMPS: 4270 A — NEW NEMA 3R 30/-/3

NEW KEF-1 3 HP AVAIL AMPS: 485 A — NEW KEF-6 3 HP AVAIL AMPS: 485 A — NEW KEF-4 2 HP AVAIL AMPS: 485 A — NEW KEF-2 3 HP AVAIL AMPS: 485 A

(1) MOB - NORMAL & EMERGENCY ONE-LINE DIAGRAM
N.T.S

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

Consultant:

ARIZONA — MINDY SUSAN WIESLER — 57766 — REGISTERED PROFESSIONAL ENGINEER — 07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

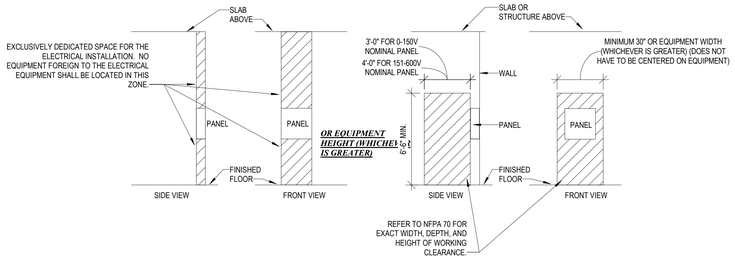
ONE LINE DIAGRAM - ELECTRICAL

E06-05

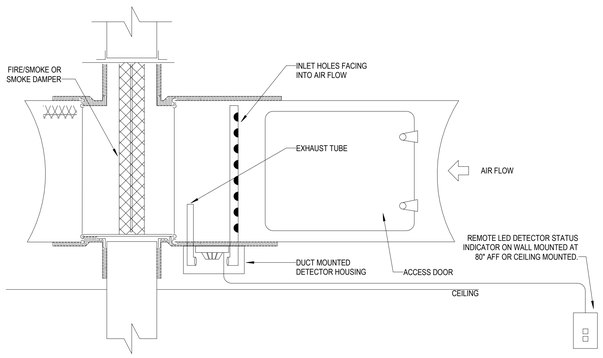
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/11/2025 11:07:55 AM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

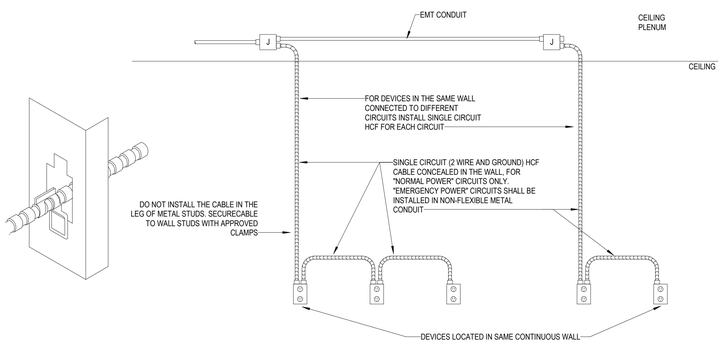


10 TYPICAL PANELBOARD REQUIRED CLEARANCE DETAIL
N.T.S.



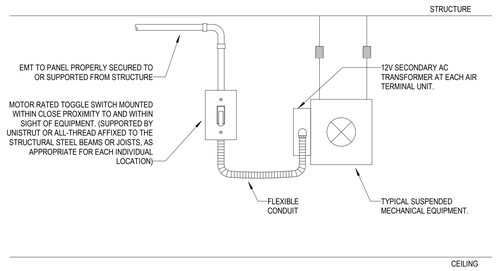
GENERAL NOTES:
A. PROVIDE SMOKE DETECTORS AT ALL FIRE/SMOKE AND SMOKE DAMPER LOCATIONS. COORDINATE EXACT LOCATION OF ALL FIRE/SMOKE AND SMOKE DAMPERS WITH DIVISION 23 FLOOR PLANS. AS REQUIRED BY LOCAL AUTHORITY HOUSING JURISDICTION.
B. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR MOUNTING,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

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

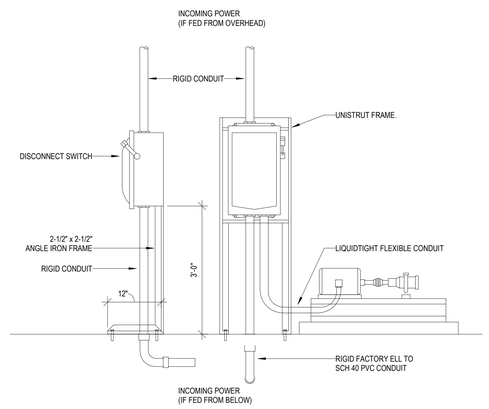


GENERAL NOTES:
A. NOT APPLICABLE FOR EMERGENCY POWER CIRCUITS
B. HFC CABLE MAY BE INSTALLED ONLY CONCEALED IN WALLS.
C. REFER TO SPECIFICATION "LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES" FOR ADDITIONAL REQUIREMENTS.

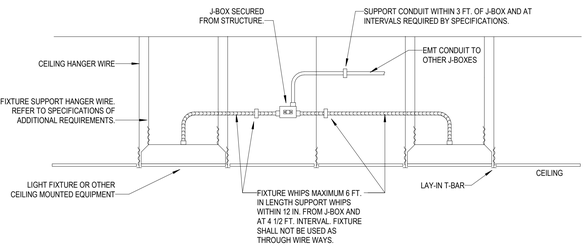
8 HEALTHCARE FACILITIES CABLE (HCF) INSTALLATION DETAIL
N.T.S.



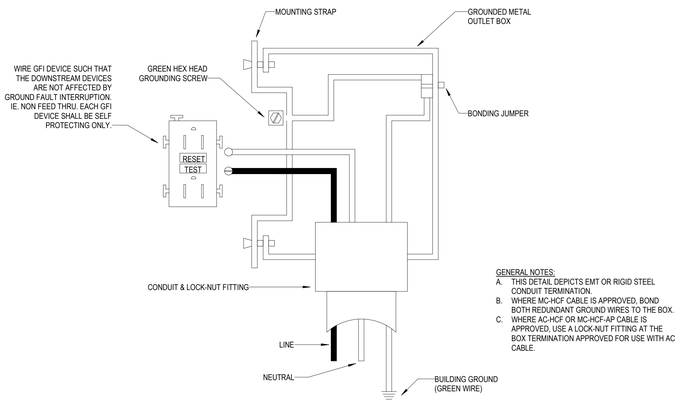
7 TYPICAL SUSPENDED MECH. EQUIPMENT MOTOR-RATED SWITCH CONNECTION DETAIL
N.T.S.



6 MOTOR DISCONNECT DETAIL (W/ UNISTRUT FRAME)
N.T.S.

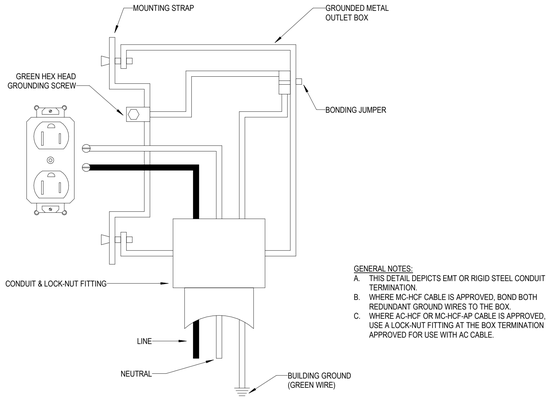


5 LAY-IN FIXTURE MOUNTING DETAIL
N.T.S.



GENERAL NOTES:
A. THIS DETAIL DEPICTS EMT OR RIGID STEEL CONDUIT TERMINATION.
B. WHERE MC-HCF CABLE IS APPROVED, BOND BOTH REDUNDANT GROUND WIRES TO THE BOX.
C. WHERE AC-HCF OR MC-HCF-AP CABLE IS APPROVED, USE A LOCK-NUT FITTING AT THE BOX TERMINATION APPROVED FOR USE WITH AC CABLE.

4 GFI RECEPTACLE - WIRING DIAGRAM
N.T.S.

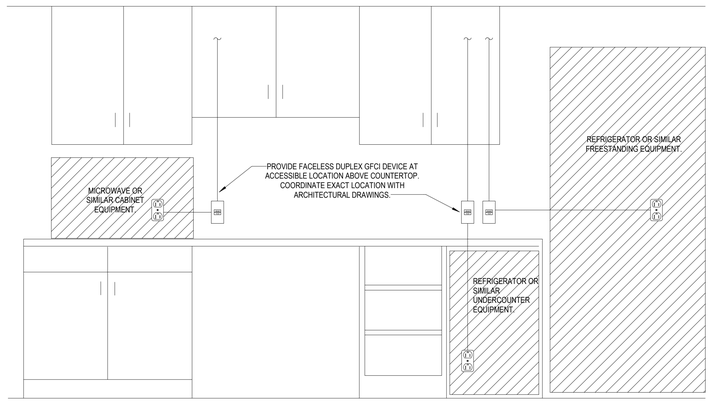


GENERAL NOTES:
A. THIS DETAIL DEPICTS EMT OR RIGID STEEL CONDUIT TERMINATION.
B. WHERE MC-HCF CABLE IS APPROVED, BOND BOTH REDUNDANT GROUND WIRES TO THE BOX.
C. WHERE AC-HCF OR MC-HCF-AP CABLE IS APPROVED, USE A LOCK-NUT FITTING AT THE BOX TERMINATION APPROVED FOR USE WITH AC CABLE.

3 RECEPTACLE GROUNDING DETAIL
N.T.S.

GENERAL NOTES:
A. WHEN MORE THAN ONE NORMAL VOLTAGE SYSTEM SUPPLIES THE PREMISES THE FOLLOWING MUST BE APPLIED PER NFAP 70.
1. ALL DISTRIBUTION EQUIPMENT AS DEFINED BY NFPA 70 SHALL BE IDENTIFIED BY SYSTEM.
2. IDENTIFICATION OF BRANCH CIRCUITS MUST BE IDENTIFY BY COLOR CODING, TAGGING, MARKING TAPE, OR APPROVED MEANS AND SHALL BE PERMANENTLY POSTED AT BRANCH CIRCUIT PANELBOARD OR SIMILAR BRANCH CIRCUIT DISTRIBUTION EQUIPMENT.
B. CONTENTS OF LABELS SHOW IN DETAIL ARE EXAMPLES ONLY. REFER TO SPECIFICATIONS FOR EXACT REQUIREMENTS OF EACH LABEL.

2 PANEL IDENTIFICATION DETAIL
N.T.S.



1 ACCESSIBLE GFCI DETAIL
N.T.S.

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WSP USA Buildings Inc. 2013001881

WENDY SUSAN WHEELER
NUMBER PE-2010046124
PROFESSIONAL ENGINEER
STATE OF MISSOURI
12/05/2024

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

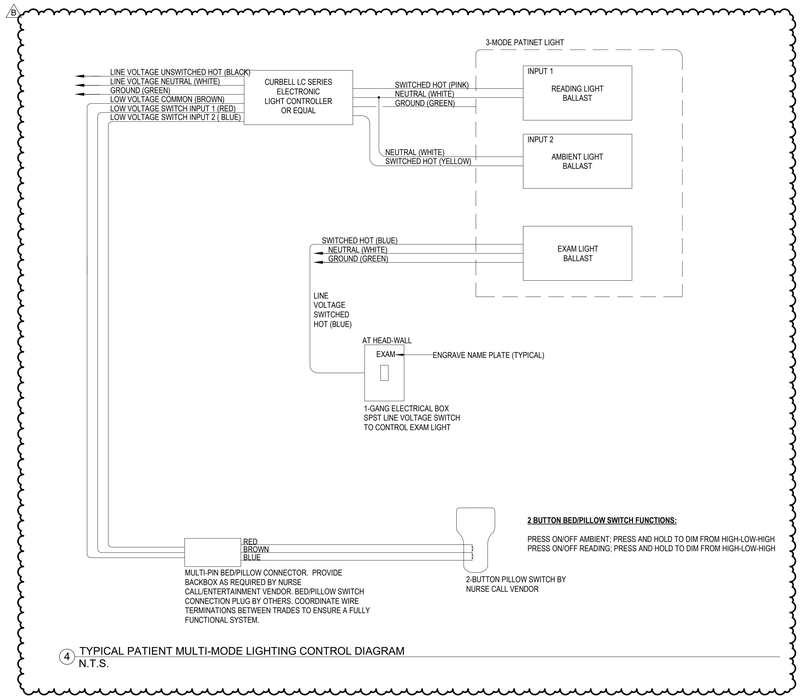
DATE:	2024/12/05
SCALE:	N.T.S.
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DETAILS - ELECTRICAL

E07-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ryx23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:54:26 PM



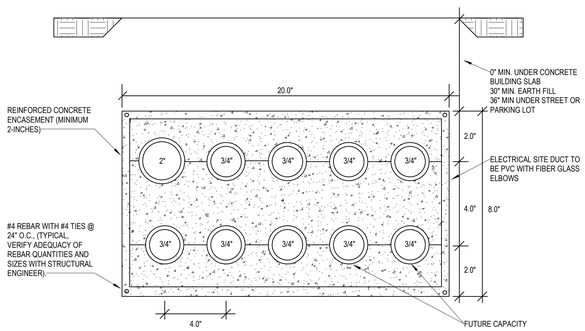
4 TYPICAL PATIENT MULTI-MODE LIGHTING CONTROL DIAGRAM
N.T.S.

SYSTEM INPUTS	ALARM	SUPERVISORY	TROUBLE	REPORT TO FIRE ALARM CONTROL PANEL	SIGNAL SUPERVISING STATION	ACTIVATE GENERAL FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCES	SHUTDOWN INDIVIDUAL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT AND DAMPER(S)	SHUTDOWN ALL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT	SHUTDOWN ALL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT FOR AFFECTED HVAC SYSTEM	CLOSE ASSOCIATED SMOKE DAMPER	SHUTDOWN TENANT AUDIO / VIDEO SYSTEM(S) IN COMMON AREAS	INITIATE ELEVATOR RECALL TO PRIMARY FLOOR	INITIATE ELEVATOR RECALL TO ALTERNATE FLOOR	INITIATE ELEVATOR SHUNT TRIP
	PRIORITY			SYSTEM OUTPUTS										
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - OPEN			●	●	●									
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - SHORT			●	●	●									
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - GROUND			●	●	●									
FIRE ALARM CONTROL PANEL LOSS OF POWER			●		●									
MANUAL PULL STATION	●			●	●	●			●		●			
SMOKE DETECTOR - SPOT TYPE	●			●	●	●			●	●	●			
SMOKE DETECTOR - DUCT MOUNTED		●		●	●		●	●		●				
HEAT DETECTOR - SPOT TYPE	●			●	●	●			●		●			
WATERFLOW ALARM SWITCH	●			●	●	●			●		●			
VALVE TAMPER SWITCH		●		●	●									
KITCHEN HOOD SUPPRESSION SYSTEM	●			●	●	●			●		●			
SMOKE DETECTOR - ELEVATOR LOBBY - PRIMARY FLOOR	●			●	●	●			●		●		●	
SMOKE DETECTOR - ELEVATOR LOBBY - ALTERNATE FLOOR(S)	●			●	●	●			●		●	●		
SMOKE DETECTOR - ELEVATOR EQUIPMENT ROOM / HOISTWAY	●			●	●	●			●		●	●		

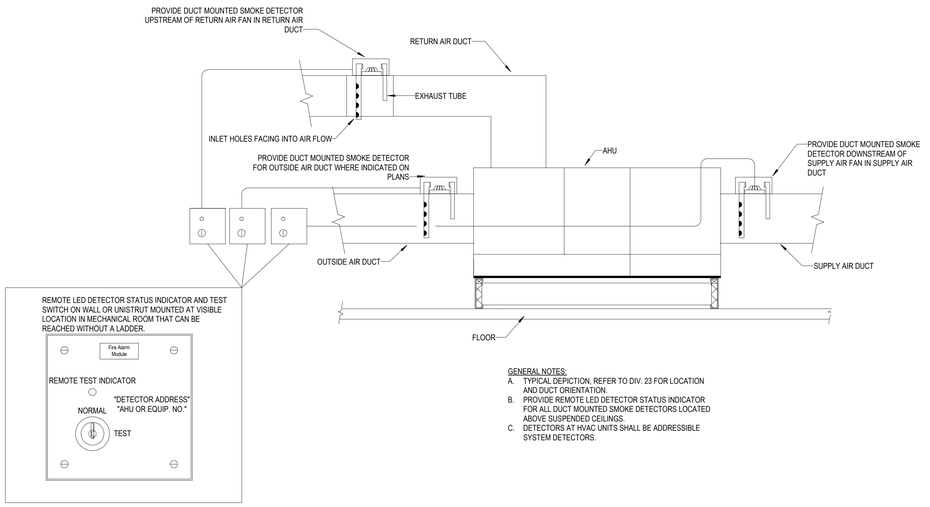
FIRE ALARM
SEQUENCE OF OPERATIONS
N.T.S

CONTRACTOR TO PROVIDE ALL NECESSARY EQUIPMENT AND CONNECTIONS REQUIRED TO ACCOMPLISH THE FUNCTIONS INDICATED, AT MINIMUM.

SEQUENCE OF OPERATIONS INDICATED IS SCHEMATIC. MODIFY TO SUIT EXISTING HOSPITAL CONDITIONS AND MEET APPLICABLE CODE REQUIREMENTS.



3 DUCTBANK SECTION
N.T.S.



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

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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
BRADY RUSAN WHEELER
NUMBER PE-2017040115
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

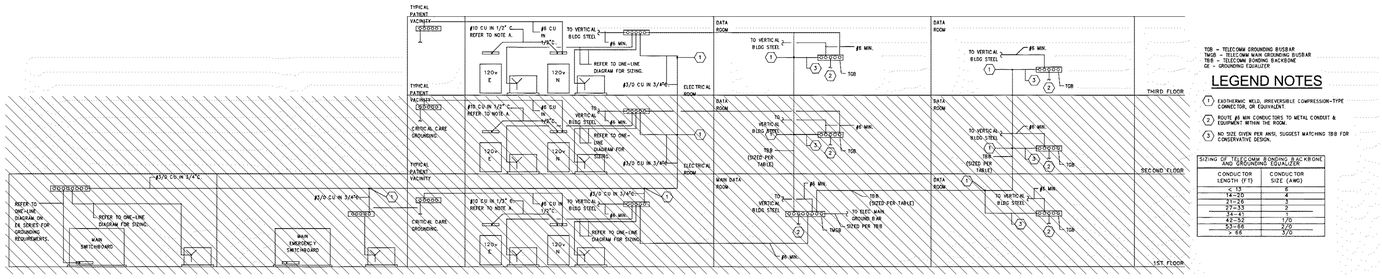
DATE:	2024/12/05
SCALE:	As Indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DETAILS - ELECTRICAL

E07-02

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.

1/29/2025 3:34:28 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt



TGB - TELECOMM GROUNDING BUSBAR
TBB - TELECOMM BONDING BACKBONE
GE - GROUNDING EQUALIZER

LEGEND NOTES

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

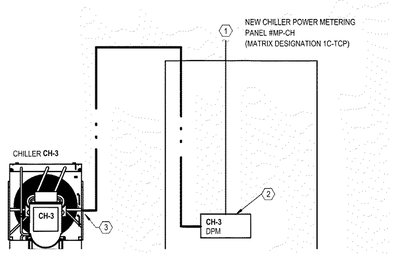
SIZING OF TELECOMM BONDING BACKBONE AND GROUNDING EQUALIZER

CONDUCTOR LENGTH (F'T)	CONDUCTOR SIZE (AWG)
4-13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-66	3/0

4 GROUNDING RISER
N.T.S.

Chiller Meters

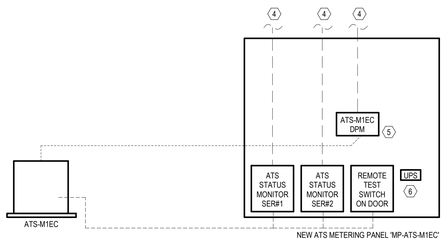
QTY	Abbrev	Catalog	Description	Meter Panel Dimensions / Drawing	# Meters	CT Wiring (Per Meter)	Voltage Wiring (per Meter)	Control Power	Required RS485 Comms	Required CAT 6 Drops	CTs # Required
1	1C-TCP	**9761E5560R1Z**	**Chiller Meter: 1 Meter Box with (1) PM5560 Power Meter installed,** Onboard data logging, Supports Modbus RTU, Modbus TCP with EtherGate, Input fused disconnect and CT shorting Block provided for each meters. Nema 12 indoor rated enclosure	12"W X 16"H X 8"D	1	Per Meter Requires: (6) #12 AWG, 600V,THHN (Note: when over 50 ft cable run then use #10 AWG wire)	Per Meter Requires: (5) #12 AWG, 600V, THHN	Power from Line Voltage	none	1	3



3 METERING DETAIL - CHILLER
N.T.S.

ATS Meters & Status Monitoring

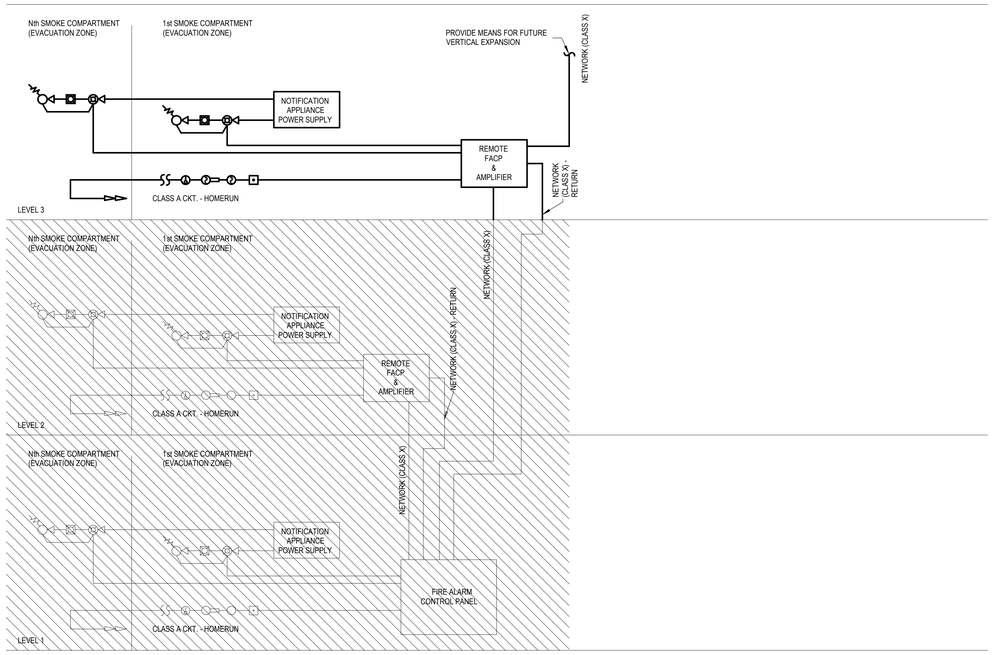
QTY	Abbrev	Catalog Number	Description	Meter Panel Dimensions	Metering Inputs # Meter	CT Wiring	Voltage Wiring	Status Wiring	Status Contacts (per ATS)	Panel Requirements UPS Input	VLAN120 Drops	CTs # Required
1	1-ATS	9761HC0BKR0B1ASW	1 ATS Meter Panel with UPS : Industrial UL Listed Pad-Lockable Enclosure. Indoor Type 12. UPS installed. (1) PM8244 Power Meter installed, includes M2600 input module for ATS Status Monitoring. (1) Voltage Source. Three-Phase - 120/208V, 277/480V, 347/600V WYE or 240V, 480V, 600V DELTA. (1) 3-Pole Fusible disconnect provided for protection of meter. Universal power input configuration (3) Multi-Tap CPT provided for control power source. Six pole CT shorting block to accommodate up to (3) CT's per Enclosure Meter. ATS Test selector switch for each ATS provided on panel door. Dim 36"H x 24"W x 12"D.	36"H x 24"W x 12"D	1	Per Meter Requires: (6) #12 AWG, 600V,THHN (Note: when over 50 ft cable run then use #10 AWG wire)	Per Meter Requires: (5) #12 AWG, 600V, THHN	Per Meter Requires: (6) #18 AWG, 600V, THHN	* ATS Switch on Normal * ATS Switch on Emergency * ATS Test Active	Derrived from ATS Load Terminals	1	3



2 METERING DETAIL - ATS
N.T.S.

LEGEND NOTES

1. TO HCA NETWORK VLAN -120 "FOR ALL THINGS ENERGY". ALL IP ADDRESSES PROVIDED BY FACILITY IT&S DEPARTMENT.
2. PROVIDE SCHNEIDER ELECTRIC POWER METER TO METER CHILLER FEEDER CIRCUIT. REFER TO CHILLER METERS DRAWINGS MATRIX FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. PROVIDE FIELD INSTALLED METERING CLASS CURRENT TRANSFORMERS MOUNTED ON LINE SIDE-SIDE TERMINALS, WIRED TO A CT SHORTING BLOCK IN NEW CHILLER DISCONNECT, MOUNTED ON CHILLER. ADDITIONALLY, PROVIDE METERING VOLTAGE TAPS ON EACH PHASE OF THE LINE-SIDE TERMINAL WITH PROPERLY SIZED FUSED BLOCK AND ISOLATION SWITCH IN NEW CHILLER DISCONNECT. IF METERING PANEL IS WITHIN SIGHT OF THE CHILLER, THEN FUSED DISCONNECT AT CHILLER IS NOT REQUIRED. IF THERE IS NOT SUFFICIENT SPACE TO ACCOMMODATE, PROVIDE SEPARATE FUSED METER DISCONNECT EQUAL TO BUSSMAN CCP-3-30CC DISCONNET WITH (3) FNQ-R-5 FUSES. ANY VOLTAGE CIRCUITS ABOVE 480VAC SHALL BE PROVIDED WITH POTENTIAL TRANSFORMERS.
4. TO HCA NETWORK VLAN -120 "FOR ALL THINGS ENERGY". ALL IP ADDRESSES PROVIDED BY FACILITY IT&S DEPARTMENT.
5. PROVIDE SCHNEIDER ELECTRIC ATS METERS FOR ATS METERING INSTALLED IN ATS MONITORING PANEL. REFER TO ATS METERS & STATUS MONITORING DRAWINGS MATRIX FOR ADDITIONAL INFORMATION AND REQUIREMENTS. MODBUS RTU COMMS AND ATS STATUS WIRED TO SER MODULES IN THE ATS MONITORING PANEL. REMOTE TEST SWITCH TO BE INSTALLED ON ATS METER PANEL DOOR FOR EACH ATS. CONTRACTOR TO WIRE FROM CONTACT ON DOOR REMOTE TEST SWITCH TO ATS REMOTE TEST COMMAND INPUT. "TEST ACTIVE" TO BE MONITORED VIA AN ADDITIONAL CONTACT ON THE METER PANEL REMOTE TEST SWITCH. ATS STATUS CONTACTS TO BE WIRED FOR THE FOLLOWING:
   A. ATS "NORMAL" SWITCH POSITION
   B. ATS "EMERGENCY" SWITCH POSITION
6. ATS POWER MONITORING PANEL TO INCLUDE UPS AND ATS STATUS MONITOR, WHERE INDICATED IN ATS METERS & STATUS MONITORING DRAWINGS MATRIX. 120VAC CONTROL POWER TO UPS, SER(S) AND ATS METER(S) (DPM) TO BE DERIVED FROM ATS LOAD SIDE TERMINALS. EACH ATS METER CONTROL POWER TO BE DERIVED FROM THAT ATS LOAD SIDE TERMINAL SO THAT "SOURCE AVAILABLE" IS INDICATED. REFER ATS METERS & STATUS MONITORING DRAWINGS MATRIX FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



NOTES:
1. ALL NETWORK CIRCUITS TRANSMITTING DATA BETWEEN THE MAIN FACP AND REMOTE NODES SHALL BE CLASS X.
2. ALL SIGNALING LINE CIRCUITS (SLC) SHALL BE CLASS A.
3. ALL NOTIFICATION APPLIANCE CIRCUITS (VISIBLE AND AUDIBLE) SHALL BE MINIMUM CLASS B.
4. T-TAPPING IS PROHIBITED.
5. REFER TO FLOOR PLAN FOR FIRE SUPPRESSION SYSTEM CONNECTIONS.

1 FIRE ALARM RISER
1" = 1'-0"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

DETAILS - ELECTRICAL

E07-03

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:54:30 PM

COPPER FEEDER SCHEDULE
600V MAX.

FEEDER TAG & AMPERE RATING	FEEDER DESCRIPTION
15.3, 20.3 15.4, 20.4	3#12, 1#12 G, 3/4" C 3#12, 1#12 N, 1#12 G, 3/4" C
25.3, 30.3 25.4, 30.4	3#10, 1#10 G, 3/4" C 3#10, 1#10 N, 1#10 G, 3/4" C
35.3, 40.3 35.4, 40.4	3#8, 1#10 G, 3/4" C 3#8, 1#8 N, 1#10 G, 3/4" C
45.3, 50.3 45.4, 50.4	3#6, 1#10 G, 3/4" C 3#6, 1#6 N, 1#10 G, 1" C
60.3 60.4	3#4, 1#10 G, 1" C 3#4, 1#4 N, 1#10 G, 1 1/4" C
70.3 70.4	3#4, 1#8 G, 1" C 3#4, 1#4 N, 1#8 G, 1-1/4" C
80.3 80.4	3#3, 1#8 G, 1-1/4" C 3#3, 1#3 N, 1#8 G, 1-1/4" C
90.3 90.4	3#2, 1#8 G, 1-1/4" C 3#2, 1#2 N, 1#8 G, 1-1/4" C
100.3 100.4	3#1, 1#8 G, 1-1/4" C 3#1, 1#1 N, 1#8 G, 1-1/2" C
110.3 110.4	3#1, 1#6 G, 1-1/4" C 3#1, 1#1 N, 1#6 G, 1-1/2" C
125.3, 150.3 125.4, 150.4	3#1/0, 1#6 G, 1-1/2" C 3#1/0, 1#1/0 N, 1#6 G, 2" C
175.3 175.4	3#2/0, 1#6 G, 2" C 3#2/0, 1#2/0 N, 1#6 G, 2" C
200.3 200.4	3#3/0, 1#6 G, 2" C 3#3/0, 1#3/0 N, 1#6 G, 2" C
225.3 225.4	3#4/0, 1#4 G, 2" C 3#4/0, 1#4/0 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#3/0, 1#3 G, 2" C] 2 SETS EACH OF [3#3/0, 1#3/0 N, 1#3 G, 2-1/2" C]
450.3 450.4	2 SETS EACH OF [3#4/0, 1#2 G, 2" C] 2 SETS EACH OF [3#4/0, 1#4/0 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#1/0 G, 3" C] 2 SETS EACH OF [3#500KCM, 1#500KCM N, 1#1/0 G, 3-1/2" C]
800.3 800.4	3 SETS EACH OF [3#300KCM, 1#1/0 G, 3" C] 3 SETS EACH OF [3#300KCM, 1#300KCM N, 1#1/0 G, 3" C]
900.3 900.4	3 SETS EACH OF [3#350KCM, 1#2/0 G, 3" C] 3 SETS EACH OF [3#350KCM, 1#350KCM N, 1#2/0 G, 3" C]
1000.3 1000.4	3 SETS EACH OF [3#400KCM, 1#2/0 G, 3" C] 3 SETS EACH OF [3#400KCM, 1#400KCM N, 1#2/0 G, 3" C]
1200.3 1200.4	4 SETS EACH OF [3#350KCM, 1#3/0 G, 3" C] 4 SETS EACH OF [3#350KCM, 1#350KCM N, 1#3/0 G, 3" C]
1400.3 1400.4	4 SETS EACH OF [3#500KCM, 1#4/0 G, 3" C] 4 SETS EACH OF [3#500KCM, 1#500KCM N, 1#4/0 G, 3-1/2" C]
1600.3 1600.4	5 SETS EACH OF [3#400KCM, 1#4/0 G, 3" C] 5 SETS EACH OF [3#400KCM, 1#400KCM N, 1#4/0 G, 3" C]
2000.3 2000.4	6 SETS EACH OF [3#400KCM, 1#250KCM G, 3" C] 6 SETS EACH OF [3#400KCM, 1#400KCM N, 1#250KCM G, 3" C]
2500.3 2500.4	7 SETS EACH OF [3#500KCM, 1#350KCM G, 3-1/2" C] 7 SETS EACH OF [3#500KCM, 1#500KCM N, 1#350KCM G, 3-1/2" C]
3000.3 3000.4	8 SETS EACH OF [3#500KCM, 1#400KCM G, 3" C] 8 SETS EACH OF [3#500KCM, 1#500KCM N, 1#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]

ALUMINUM FEEDER SCHEDULE
600V MAX.

FEEDER TAG & AMPERE RATING	FEEDER DESCRIPTION
200.4A 200.4Ai	3#250, 1#250 N, 1#4 G, 2-1/2"C. 3#250, 1#250 N, 1#4 G, 1#4 I.G., 2-1/2"C.
225.4A 225.4Ai	3#300, 1#300 N, 1#2 G, 2-1/2"C. * 3#300, 1#300 N, 1#2 G, 1#2 I.G., 2-1/2"C. *
250.4A 250.4Ai	3#350, 1#350 N, 1#2 G, 3"C. 3#350, 1#350 N, 1#2 G, 1#2 I.G., 3"C.
300.4A 300.4Ai	3#500, 1#500 N, 1#2 G, 3"C. 3#500, 1#500 N, 1#2 G, 1#2 I.G., 3"C. *
350.4A 350.4Ai	3#700, 1#700 N, 1#1 G, 4" 3#700, 1#700 N, 1#1 G, 1#1 I.G. 4"C.
400.4A 400.4Ai	2 SETS EACH OF [3#250, 1#250 N, 1#1 G, 2-1/2"C.] 2 SETS EACH OF [3#250, 1#250 N, 1#1 G, 1#1 I.G. 2-1/2"C.]
450.4A 450.4Ai	2 SETS EACH OF [3#300, 1#300 N, 1#1/0 G, 2-1/2"C.] * 2 SETS EACH OF [3#300, 1#300 N, 1#1/0 G, 1#1/0 I.G. 3"C.]
500.4A 500.4Ai	2 SETS EACH OF [3#350, 1#350 N, 1#1/0 G, 3"C.] 2 SETS EACH OF [3#350, 1#350 N, 1#1/0 G, 1#1/0 I.G. 3"C.]
600.4A 600.4Ai	2 SETS EACH OF [3#500, 1#500 N, 1#2/0 G, 3"C.] * 2 SETS EACH OF [3#500, 1#500 N, 1#2/0 G, 1#2/0 I.G., 3"C.] *
700.4A 700.4Ai	2 SETS EACH OF [3#700, 1#700 N, 1#3/0 G, 3-1/2"C.] * 2 SETS EACH OF [3#700, 1#700 N, 1#3/0 G, 1#3/0 I.G., 4"C.]
800.4A 800.4Ai	3 SETS EACH OF [3#400, 1#400 N, 1#3/0 G, 3"C.] 3 SETS EACH OF [3#400, 1#400 N, 1#3/0 G, 1#3/0 I.G., 3"C.]
900.4A 900.4Ai	3 SETS EACH OF [3#500, 1#500 N, 1#4/0 G, 3"C.] * 3 SETS EACH OF [3#500, 1#500 N, 1#4/0 G, 1#4/0 I.G. 3-1/2"C.]
1000.4A 1000.4Ai	3 SETS EACH OF [3#600, 1#600 N, 1#4/0 G, 3-1/2"C.] 3 SETS EACH OF [3#600, 1#600 N, 1#4/0 G, 1#4/0 I.G. 3-1/2"C.] *
1200.4A 1200.4Ai	4 SETS EACH OF [3#500, 1#500 N, 1#250 G, 3"C.] * 4 SETS EACH OF [3#500, 1#500 N, 1#250 G, 1#250 I.G., 3-1/2"C.]
1600.4A 1600.4Ai	5 SETS EACH OF [3#600, 1#600 N, 1#350 G, 3-1/2"C.] 5 SETS EACH OF [3#600, 1#600 N, 1#350 G, 1#350 I.G., 4"C.]
2000.4A 2000.4Ai	6 SETS EACH OF [3#600, 1#600 N, 1#400 G, 3-1/2"C.] * 6 SETS EACH OF [3#600, 1#600 N, 1#400 G, 1#400 I.G., 4"C.]
NOTE:	* SCHEDULE 80, WHERE PERMITTED BY SPECIFICATIONS, SHALL BE INCREASED ONE CONDUIT SIZE FROM THE SIZE INDICATED IN THE FEEDER DESCRIPTION ABOVE.

MOTOR SCHEDULE
480 VOLT 3 PHASE

MOTOR TAG	HP	FLA	FLA x 200%	CB	FLA x 125%	COPPER FEEDER DESCRIPTION
5.M	5	7.6	15.2	15	9.5	3#12, 1#12 G, 3/4" C
7.5.M	7-1/2	11	22	20	13.75	3#12, 1#12 G, 3/4" C
10.M	10	14	28	25	17.5	3#12, 1#10 G, 3/4" C
15.M	15	21	42	40	26.25	3#10, 1#10 G, 3/4" C
20.M	20	27	54	50	33.75	3#8, 1#10 G, 3/4" C
25.M	25	34	68	60	42.5	3#6, 1#10 G, 3/4" C
30.M	30	40	80	70	50	3#6, 1#8 G, 3/4" C
40.M	40	52	104	100	65	3#4, 1#8 G, 1" C
50.M	50	65	130	125	81.25	3#3, 1#6 G, 1-1/4" C
60.M	60	77	154	150	96.25	3#1, 1#6 G, 1 1/4" C
75.M	75	96	192	175	120	3#1, 1#6 G, 1 1/4" C
100.M	100	124	248	225	155	3#2/0, 1#4 G, 2" C
125.M	125	156	312	300	195	3#3/0, 1#4 G, 2" C
150.M	150	180	360	350	225	3#4/0, 1 #3 G, 2" C
200.M	200	240	480	450	300	3#350KCM, 1#2 G, 2-1/2" C

DEMAND FACTOR TABLE

LOAD TYPES	FACTORS										NEC REFERENCE
LIGHTS	1.00										220.42
RECEPTACLES	0-10kVA	>10kVA									
	1.00	0.50									220.44
MOTORS	MAX	ALL OTHERS									
	1.25	1.00									220.50 & 430.24
HOSPITAL	0-50kVA	>50kVA									
	0.40	0.20									220.42 & 220.44
X-RAY	1 PIECE OF EQUIPMENT		OVER 1 PIECE OF EQUIPMENT								
	1		1	2	3 or more						
	1.00		0.50	0.25	0.10						517.73(2)
ELEVATOR	1	2	3	4	5	6	7	8	9	10 or more	
	1.00	0.95	0.9	0.85	0.82	0.79	0.77	0.75	0.73	0.72	620.14
KITCHEN	1	2	3	4	5	6 or more					
	1.00	1.00	0.90	0.80	0.70	0.65					220.56
HEAT	1.00										220.51
MISCELLANEOUS	1.00										210.19

TRANSFORMER SCHEDULE
GENERAL PURPOSE 480V-208Y/120V

KVA	PRIMARY FEEDER DESCRIPTION	GROUNDING ELECTRODE	SECONDARY FEEDER DESCRIPTION WITH SYSTEM/EQUIPMENT BONDING JUMPER
6	COPPER: 3#12, 1#12 G, 3/4" C	1#8	COPPER: 3#12, 1#12 N, 1#8 G, 3/4" C
9	COPPER: 3#12, 1#12 G, 3/4" C	1#8	COPPER: 3#10, 1#10 N, 1#8 G, 3/4" C
15	COPPER: 3#10, 1#10 G, 3/4" C	1#8	COPPER: 3#4, 1#4 N, 1#8 G, 1-1/4" C
30	COPPER: 3#4, 1#10 G, 1" C	1#6	COPPER: 3#1, 1#1 N, 1#6 G, 1-1/2" C
45	COPPER: 3#2, 1#8 G, 1-1/4" C	1#6 1#4	COPPER: 3#1/0, 1#1/0 N, 1#6 G, 2" C ALUMINUM: 3#3/0, 1#3/0 N, 1#4 G, 2" C
75	COPPER: 3#1/0, 1#6 G, 1-1/2" C ALUMINUM: 3#3/0, 1#4 G, 2" C	1#2 1#1/0	COPPER: 3#250KCM, 1#250KCM N, 1#2 G, 3" C ALUMINUM: 3#350KCM, 1#350KCM N, 1#1/0 G, 3" C
112.5	COPPER: 3#4/0, 1#4 G, 2" C ALUMINUM: 3#300KCM, 1#2 G, 2-1/2" C	1#2 1#1/0	COPPER: 2 SETS EACH OF (3#3/0, 1#3/0 N, 1#2 G, 2-1/2" C) ALUMINUM: 2 SETS EACH OF (3#250KCM, 1#250KCM N, 1#1/0 G, 2-1/2" C)
150	COPPER: 3#350KCM, 1#4 G, 2-1/2" C ALUMINUM: 3#500KCM, 1#2 G, 3" C	1#1/0 1#3/0	COPPER: 2 SETS EACH OF (3#250KCM, 1#250KCM N, 1#1/0 G, 3" C) ALUMINUM: 2 SETS EACH OF (3#350KCM, 1#350KCM N, 1#3/0 G, 3" C)
225	COPPER: 2 SETS EACH OF (3#4/0, 1#2 G, 2" C) ALUMINUM: 2 SETS EACH OF (3#300KCM, 1#1/0 G, 2-1/2" C)	1#2/0 1#4/0	COPPER: 3 SETS EACH OF (3#300KCM, 1#300KCM N, 1#2/0 G, 3" C) ALUMINUM: 3 SETS EACH OF (3#400KCM, 1#400KCM N, 1#4/0 G, 3" C)
300	COPPER: 2 SETS EACH OF (3#350KCM, 1#1 G, 3" C) ALUMINUM: 2 SETS EACH OF (3#500KCM, 1#2/0 G, 3" C)	1#3/0 1#250KCM 1#4/0 1#250KCM	COPPER: 3 SETS EACH OF (3#400KCM, 1#400KCM N, 1#3/0 G, 3-1/2" C) ALUMINUM: 3 SETS EACH OF (3#600KCM, 1#600KCM N, 1#250KCM G, 3-1/2" C) COPPER: 4 SETS EACH OF (3#350KCM, 1#350KCM N, 1#4/0 G, 3" C) ALUMINUM: 4 SETS EACH OF (3#500KCM, 1#500KCM N, 1#250KCM G, 3-1/2" C)

LIGHTING CONTROL PANEL 'LRP-1'

RELAY	VOLTAGE	POLES	DESCRIPTION	DIMMING
1	277	1	NORMAL - HCPDPNH1 EXTERIOR SITE LIGHTING	0-10V
2	120	1	NORMAL - M1NLA EXTERIOR SITE LIGHTING	0-10V
3				0-10V
4				0-10V
5				0-10V
6				0-10V
7				0-10V
8				0-10V
9				0-10V
10				0-10V
11				0-10V
12				0-10V
13	277	1	LIFE SAFETY - HCPDPLH1 EXTERIOR SITE LIGHTING	0-10V
14				0-10V
15				0-10V
16				0-10V
17				0-10V
18				0-10V
19				0-10V
20				0-10V
21				0-10V
22				0-10V
23				0-10V
24				0-10V

NOTES:
1. PROVIDE LIGHTING CONTROL PANEL EQUAL TO ACUITY Nlight #ARP-INTENC32-NLT-24FCR-MVOLT-2VB-HLK-SM-DTC W/ #ARPA-APS-OL PHOTOCELL.
2. PROVIDE VOLTAGE BARRIERS BETWEEN NORMAL, LIFE SAFETY, AND CRITICAL POWER CIRCUITS.
3. PANEL SHALL HAVE A UL-924 LISTING.
4. PROVIDE POWER TO PANEL FROM THE HOT LEG OF ONE OF THE NORMAL LIGHTING CIRCUITS.
5. PROVIDE HARDWARE AS NECESSARY TO MAKE 2 & 3-POLE RELAYS.
6. PANEL SHALL HAVE AN SCCR OF 65KVA AT 277/480V.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WSP USA Buildings Inc. 2013001881

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2010700433
PROFESSIONAL ENGINEER
12/05/2024

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/05
SCALE:	N.T.S.
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

SCHEDULES - ELECTRICAL

E08-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:54:31 PM

ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS
								ELECTRICAL SPECIFICATIONS								MANUFACTURER INFORMATION		
A1	2' x 4' LED VOLUMETRIC TROFFER	PUBLIC AND CORRIDOR	ONE PIECE STEEL	ACRYLIC LINEAR PRISMATIC DIFFUSER	N/A	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,000	60000	32	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL4 40L ADP EZ1 LP840	
A2	2' x 4' LED VOLUMETRIC TROFFER	PUBLIC AND CORRIDOR	ONE PIECE STEEL	ACRYLIC LINEAR PRISMATIC DIFFUSER	N/A	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,800	60000	39	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL4 48L ADP EZ1 LP840	
B AA1	2' x 4' MULTI-MODE PAT TROFFER WITH SEPARATE LIGHTING CONTROLS FOR EXAM AND AMBIENT/READING LIGHTING VIA LOW VOLTAGE CONTROLLER (PILLOW SPEAKER)	PATIENT ROOMS	20 GA. COLD ROLLED STEEL, DIE-CAST EXTRUDED ALUMINUM FRAME	DIFFUSE HIGH-EFFICENCY ACRYLIC LENS	N/A	LOW GLOSS WHITE POWDER COAT	RECESSED CEILING	4,000	LED	4,209	85000	20	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	KENALL	#MPCNG X24-42L/21L/96L-40K8-40K8-DCC-DVLVCDF-80 24	
B2	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	PREP/REC, IV/TH	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS	PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	10,000	72000	83	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 100L RW EZ1 LP840 PAF	
B3	2' x 4' LED ACRYLIC LENSED PREMIUM TROFFER	STAFF WORKING	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS	PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,800	72000	36	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 48L RW EZ1 LP840 PAF	
B3K	2' x 4' LED LENSED TROFFER, WET LOCATION LISTED, INVERTED LENS	FOOD SERVICE	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	N/A	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	7,645	72000	53	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 4 72L FW A12125(INV) EZ1 LP840 ABC	
D2	2' x 2' LED VOLUMETRIC TROFFER	STAFF WORKING	ONE PIECE STEEL	ACRYLIC LINEAR PRISMATIC DIFFUSER	WHITE REGRESSED ALUMINUM DOOR	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	4,000	60000	33	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2VTL2 40L ADP EZ1 LP840	
B F1	2' x 2' LED ACRYLIC LENSED PREMIUM TROFFER	RESTROOM	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	HINGED AND LATCHED FROM EITHER SIDE, ENCLOSED SPRING LOADED CAM LATCH, WHITE REGRESSED ALUMINUM DOOR WITH MITERED CORNERS	PAINTED AFTER FABRICATION	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	3,300	72000	29	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL X 2 33L RW EZ1 LP840	
F1K	2' x 2' LED LENSED TROFFER, WET LOCATION LISTED, INVERTED LENS	FOOD SERVICE	22 GA. STEEL HOUSING	#12 TRANSMISSIVE 0.125" LENS	N/A	MATTE WHITE POWDERCOAT	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	5,051	72000	42	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#2GTL 2 48L FW A12125(INV) EZ1 LP840 ABC	
B H1	2' LED UNDERCABINET LIGHT WITH ROCKER SWITCH	UNDERCABINET	20 GA. STEEL HOUSING	HIGH IMPACT ACRYLIC LENS	N/A	ANTIMICROBIAL WHITE, PAINTED AFTER FABRICATION	SURFACE MOUNTED	4,000	LED	1,221	65000	12	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 10%	120	HEALTHCARE-LIGHTING	#HUC523 MVOLT LED40 S1 AM	
J2	4'-0" LED LOW PROFILE LENSED STRIPLIGHT WITH DROP LENS FOR 10% UPLIGHT	STORAGE AND FACILITY	20 GA. HEAVY DUTY STEEL HOUSING	SYMMETRIC REFLECTOR	COLD ROLLED STEEL	WHITE FINISH, PAINTED AFTER FABRICATION	CHAIN HUNG AT 9'-0" A.F.F. LOCATED AROUND EQUIPMENT	4,000	LED	7,000	50000	30	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	LITHONIA	#ZL1D L48 SMR 7000LM FST MVOLT 40K 80CRI WH PAF	
K1	4'-0" LED PREMIUM LED WALL BRACKET, UP/DOWN LIGHT DISTRIBUTION,FIXTURE DIMS TO APPROXIMATELY 50% LIGHT OUTPUT WHEN UNOCCUPIED. LIGHTS WILL AUTOMATIC DIM BASE ON AVAILABLE DAYLIGHT.	STAIRS	NORMAL 2.5" X 4.375" EXTRUDED ALUMINUM HOUSING	0.125" HIGH-IMPACT CLEAR PRISMATIC ACRYLIC DIFFUSE	DIE CAST END PLATES	RAL#7046 FINISH, PAINTED AFTER FABRICATION	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	LED	4,800	50000	23	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	MARK ARCHITECTURAL LIGHTING	#S2LWID MSL4 90CRI 40K 600LMF I90CRI I40K I600LMF MIN1 SCT MVOLT RAL#7046 ZT	
L3	LED VANITY SCONCE, 24" LENGTH, DIRECT-INDIRECT LIGHT	TOILET ROOMS	N/A	N/A	N/A	BRUSHED ALUMINUM FINISH	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	LED	1,932	60000	14	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	WINONA	#WFW4608 24LONG LED2X2 40K MVOLT OAE BA MEZ126783-MOD	
M1	6" LED DOWNLIGHT WITH 45 DEGREE CUT OFF	PUBLIC AND CORRIDOR	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERATURE	MATTE WHITE SELF-FLANGED, SEMI-SPECULAR FINISH	RECESSED GYPSUM BOARD OR LAY IN CEILING	4,000	LED	6,000	60000	10	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EVO6 40/10 AR MWD LSS MVOLT GZ10	
M2	6" LED DOWNLIGHT WITH 45 DEGREE CUT OFF	FOOD SERVICE	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERATURE	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 40/15 AR MWD LSS MVOLT GZ10	
B M4	6" LED DOWNLIGHT WITH 45 DEGREE CUT OFF	PATIENT ROOMS	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERATURE	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 40/20 AR MWD LSS MVOLT GZ10	
N2	RECESSED CONTINUOS LINEAR	DINING	EXTRUDED ALUMINUM, 20 GA. COLD ROLLED STEEL	PRECISION FORMED STEEL	N/A	NATURAL ALUMINUM HOUSING, HIGH REFLECTANCE MATTE WHITE FASCIA	RECESSED CEILING, VERIFY CEILING TYPE PRIOR TO ORDERING	4,000	LED	345	50000	32	LF	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	MARK ARCHITECTURAL LIGHTING	#SL6L LOP 8FT FLP 80CRI 40K 400LMF MIN1 120V ZT	
N3	RECESSED CONTINUOS LINEAR	DINING	EXTRUDED ALUMINUM, 20 GA. COLD ROLLED STEEL	PRECISION FORMED STEEL	N/A	NATURAL ALUMINUM HOUSING, HIGH REFLECTANCE MATTE WHITE FASCIA	RECESSED CEILING, VERIFY CEILING TYPE PRIOR TO ORDERING	4,000	LED	345	50000	24	LF	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	MARK ARCHITECTURAL LIGHTING	#SL6L LOP 6FT FLP 80CRI 40K 400LMF MIN1 120V ZT	
R2	6" LED SHOWER LIGHT, IP 65 RATED	RESTROOM	20 GA. STEEL HOUSING	ALUMINIUM DIE CAST REFLECTOR	REGRESSED PRISMATIC LENS	SPECULAR CLEAR ALZAK REFLECTOR FINISH	RECESSED GYPSUM BOARD OR LAY IN CEILING, VERIFY CEILING TYPE BEFORE ORDERING	4,000	LED	1,000	60000	10	EACH	LED DRIVER	120	GOTHAM	#EVO6 40/10 DFR MVOLT EZ1	
T1	RECTANGULAR LED NIGHT LIGHT	PATIENT ROOMS	HEAVY GUAGE STEEL FACEPLATE	N/A	N/A	POLYESTER POWDERCOAT FINISH	RECESSED IN WALL AT 20" A.F.F. TO CENTERLINE OF FIXTURE	3,000	LED	0	50000	1	EACH	LED DRIVER	120	HEALTHCARE-LIGHTING	#HNL610 MVOLT LED30 AM	
B X1	LED DECORATIVE RECESSED EDGE-LIT EXIT LIGHT, SINGLE FACE	EGRESS	20 GA. GALVANIZED STEEL, EXTRUDED ALUMINUM HOUSING	SATIN ALUMINUM TRIM PLATE, MOLDED TEXTURED LETTERS	N/A	6 INCH HIGH RED LETTERS ON MIRROR BACKGROUND, DIRECTIONAL CHEVRON INDICATORS AS REQUIRED	BACK / CEILING / END MOUNTING AS REQUIRED PER PLANS	0	LED	10	87600	1	EACH	N/A	120	LITHONIA	#LRP 1 RMR 120/277	
X2	LED DECORATIVE RECESSED EDGE-LIT EXIT LIGHT, DOUBLE FACE	EGRESS	20 GA. GALVANIZED STEEL, EXTRUDED ALUMINUM HOUSING	SATIN ALUMINUM TRIM PLATE, MOLDED TEXTURED LETTERS	N/A	6 INCH HIGH RED LETTERS ON MIRROR BACKGROUND, DIRECTIONAL CHEVRON INDICATORS AS REQUIRED	BACK / CEILING / END MOUNTING AS REQUIRED PER PLANS	0	LED	15	87600	2	EACH	N/A	120	LITHONIA	#LRP 2 RMR 120/277	

EXTERIOR ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS
								ELECTRICAL SPECIFICATIONS								MANUFACTURER INFORMATION		
M1	6" LED DOWNLIGHT WITH 45 DEGREE CUT OFF	CANOPY	16 GA. GALVANIZED STEEL CONSTRUCTION	HIGH-IMPACT, FROSTED POLYCARBONATE LENS	LIGHT ENGINE AND DRIVER ACCESSIBLE THROUGH APERATURE	MATTE WHITE SELF-FLANGED, SEMI-SPECULAR FINISH	RECESSED	4,000	LED	1,500	60000	12	EACH	LED DRIVER - LINEAR DIMMING 0-10V DOWN TO 1%	120	GOTHAM	#EVO6 40/15 AR MWD LSS MVOLT GZ10	
S1	ARCHITECTURAL SINGLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TGIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 2'6" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSX0LED-20C-1000-40K-BLC-MVOLT-RPA-DD BXD AND POLE RSA-20	
S2	ARCHITECTURAL DOUBLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TGIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 2'6" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSX0LED-20C-1000-40K-BLC-MVOLT-RPA-DD BXD AND POLE RSA-20	
S3	BOLLARD LED SQUARE FLAT TOP	EXTERIOR SITE	N/A	N/A	N/A	TGIC POWDER COAT FINISH IN BLACK	SURFACE MOUNTED	5,000	LED	1,535	50000	72	EACH	LED DRIVER	120	HYDREL	#3140C-H42-8COB-50K-MVOLT-FT-BL	
SR1	ILLUMINATED RAIL	BRIDGE	STAINLESS STEEL	CLEAR LENS	N/A	STAINLESS STEEL 316	REFER TO MANUFACTURE SPEC SHEET	4,000	LED	8,000	60000	160	EACH	LED DRIVER	277	VIVA RAILINGS	#IR LIN 1.5 316 40K H CL 0	
Z1	LED TRAPEZOIDAL WALL PACK WITH PHOTOCELL, WIDE DISTRIBUTION	EXTERIOR	DIE CAST ALUMINUM, DIE-CAST DOOR FRAME. WITH SOLID SILICONE GASKET, IP65	N/A	FULL CUTOFF	THERMOSET POWDER COAT FINISH, DARK BRONZE, CONFIRM WITH ARCHITECT	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	N/A	1,500	100000	<varies>	EACH	LED DRIVER	120	LITHONIA	#WST LED P1 40K VW MVOLT PE DDBXD	

LIGHTING CONTROL REQUIREMENTS AND SEQUENCE OF OPERATIONS

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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF TEXAS
BRADY SUSAN WHEELER
NUMBER
PE-2017040115
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

SCHEDULES - ELECTRICAL

E08-02

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
1/29/2025 3:34:31 PM

EXIST: M1NLA

NORMAL

LOCATION: EXTERIOR ELEC 1-ME1131
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 9970 A
AIC RATING: 10000 A

FED FROM: M1DPNL1
WIRES: 4W + G + IG
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 3

NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: YES
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	EXISTING LOAD	--	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	--	EXISTING LOAD	12
13	EXISTING LOAD	--	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	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	24
25	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	30
31	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	32
33	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	34
35	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	36
37	**RCPT - SITE POLE LIGHT CONV**	**720**	**20**	**1**			1	20	--	EXISTING LOAD	38
39	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	40
41	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	42
43	SPARE	--	40	2			1	20	--	EXISTING LOAD	44
45	--	--	--	--			1	20	--	EXISTING LOAD	46
47	EXISTING LOAD	--	80	3			1	20	--	EXISTING LOAD	48
49	--	--	--	--			1	20	--	EXISTING LOAD	50
51	--	--	--	--			1	20	--	EXISTING LOAD	52
53	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	54
55	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	56
57	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	58
59	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	60
61	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	62
63	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	64
65	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	66
67	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	68
69	EXISTING LOAD	--	30	2			1	20	--	EXISTING LOAD	70
71	--	--	--	--			1	20	--	EXISTING LOAD	72
73	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	74
75	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	76
77	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	78
79	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	80
81	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	82
83	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	84
85	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	86
87	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	88
89	**LGHT - EXTERIOR DINING CANOPY**	**264**	**20**	**1**			1	20	--	EXISTING LOAD	90
91	**LGHT - SITE SIGNAGE**	**200**	**20**	**1**			1	20	--	EXISTING LOAD	92
93	EXISTING LOAD	--	40	2			1	20	--	EXISTING LOAD	94
95	--	--	--	--			1	20	--	EXISTING LOAD	96
97	EXISTING LOAD	--	20	2			1	20	--	EXISTING LOAD	98
99	--	--	--	--			1	20	--	EXISTING LOAD	100
101	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	102
103	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	104
105	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	106
107	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	108
109	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	110
111	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	112
113	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	114
115	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	116
117	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	118
119	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	120
121	EXISTING LOAD	--	20	3			3	30	--	EXISTING LOAD	122
123	--	--	--	--			--	--	--		124
125	--	--	--	--			--	--	--	--	126

8 A / 0 A / 3 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
LGHT	264	330			
MISC	200	200	EXISTING CONNECTED LOAD:	44	122.2
RCPT	720	720	REMOVED CONNECTED LOAD:	0	0
			ADDED CONNECTED LOAD:	1.2	3.3
			TOTAL CONNECTED LOAD:	45.2	125.5
			TOTAL ESTIMATED DEMAND:	45.3	125.7

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.

EXIST: M1ELA

EMERGENCY

LOCATION: EXTERIOR ELEC 1-ME1131A
MAIN BUS: 100 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 6140 A
AIC RATING: 10000 A

FED FROM: M1DPEL1
WIRES: 4W + G + IG
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: YES
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	EXISTING LOAD	--	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	--	EXISTING LOAD	12
13	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	14
15	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	16
17	EXISTING LOAD	--	20	1			**1**	**20**	**200**	**REMOTE LOT PHONE**	**18**
19	EXISTING LOAD	--	20	1			3	30	--	EXISTING LOAD	20
21	EXISTING LOAD	--	20	1			--	--	--	--	22
23	EXISTING LOAD	--	20	1			--	--	--	--	24
25	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	30
31	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	32
33	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	34
35	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	36
37	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	38
39	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	40
41	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	42
43	EXISTING LOAD	--	20	1			**1**	**20**	**200**	**REMOTE LOT PHONE**	**44**
45	EXISTING LOAD	--	20	1			**1**	**20**	**200**	**REMOTE LOT PHONE**	**46**
47	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	48
49	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	50
51	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	52
53							1	20	--	EXISTING LOAD	54
55	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	56
57	SPARE	--	20	1			1	20	--	EXISTING LOAD	58
59	SPARE	--	20	1			1	20	--	EXISTING LOAD	60
61	EXISTING LOAD	--	20	1			1	20	--	SPARE	62
63	EXISTING LOAD	--	20	1			1	20	--	SPARE	64
65	EXISTING LOAD	--	20	1			1	20	--	SPARE	66
67	EXISTING LOAD	--	20	1			1	20	--	EXISTING LOAD	68
69	EXISTING LOAD	--	30	2			1	20	--	SPARE	70
71	--	--	--	--			1	20	--	SPARE	72
73	EXISTING LOAD	--	30	2			1	20	--	EXISTING LOAD	74
75	--	--	--	--			1	20	--	EXISTING LOAD	76
77	SPARE	--	20	1			1	20	--	EXISTING LOAD	78
79	SPARE	--	20	1			3	30	--	EXISTING LOAD	80
81	SPARE	--	20	1			--	--	--	--	82
83	SPARE	--	20	1			--	--	--	--	84

2 A / 2 A / 2 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
MISC	600	600			
			EXISTING CONNECTED LOAD:	40.3	111.7
			REMOVED CONNECTED LOAD:	0	0
			ADDED CONNECTED LOAD:	0.6	1.7
			TOTAL CONNECTED LOAD:	40.9	113.4
			TOTAL ESTIMATED DEMAND:	40.9	113.4

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.

	M1NLA	M1ELA

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007006123
PROFESSIONAL ENGINEER

12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

SCHEDULES - ELECTRICAL

E08-03

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

12/4/2024 6:54:37 PM

NEW: M1NLKB

LOCATION: ELEC 1-1303
MAIN BUS: 225 A
MCB: 225A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3882 A
AIC RATING: 10000 A

FED FROM: M1DPNL1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MCB
NUMBER OF SECTIONS: 2

NORMAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES		A B C	CIRCUIT BREAKER POLES /...		TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - OFFICES	1,080	20	1		1	20	720	RCPT - DINING EXPANSION 1-1300	2
3	*RCPT - MONITORS - SERVERY	360	20	1		1	20	1,800	*RCPT - POS - SERVERY EXPANSION B...	4
5	*RCPT - PRT - SERVERY EXPANSION B...	180	20	1		1	20	1,800	*RCPT - POS - SERVERY EXPANSION B...	6
7	*RCPT - PRT - SERVERY EXPANSION B...	180	20	1		1	20	540	*RCPT - SERVERY EXPANSION B 1-11	8
9	JB - HEATED CABINET - SERVERY...	1,705	20	2		1	20	540	*RCPT - KITCHEN 1-1306	10
11	--	--	--	--		1	20	1,920	*RCPT - HEATED CABINET - KITCHEN...	12
13	RCPT - SKILLET - KITCHEN EXPANSION...	180	20	1		1	20	150	STEAMER - KITCHEN EXPANSION 1-1306	14
15	SHUNT TRIP	--	--	1		1	--	--	SHUNT TRIP	16
17	RCPT - OVEN - KITCHEN EXPANSION...	1,176	20	1		1	20	1,176	RCPT - OVEN - KITCHEN EXPANSION...	18
19	SHUNT TRIP	--	--	1		1	--	--	SHUNT TRIP	20
21	RCPT - OVEN - KITCHEN EXPANSION...	1,440	20	1		1	20	1,440	RCPT - OVEN - KITCHEN EXPANSION...	22
23	SHUNT TRIP	--	--	1		1	--	--	SHUNT TRIP	24
25	HOOD LIGHTS	1,800	20	1		3	20	2,015	*MIXER - KITCHEN EXPANSION 1-1306	26
27	SHUNT TRIP	--	--	1		--	--	--	--	28
29	*RCPT - KITCHEN EXPANSION 1-1306	540	20	1		--	--	--	--	30
31	*RCPT - KITCHEN EXPANSION 1-1306	360	20	1		1	20	180	RCPT - MICRO MARKET 1-1302	32
33	*ICE MAKER - KITCHEN EXPANSION...	1,380	20	1		1	20	--	SPARE	34
35	SPARE	--	20	1		1	20	--	SPARE	36
37	SPARE	--	20	1		1	20	--	SPARE	38
39	SPARE	--	20	1		1	20	--	SPARE	40
41	SPARE	--	20	1		1	20	--	SPARE	42
43	SPARE	--	20	1		1	20	--	SPARE	44
45	SPARE	--	20	1		1	20	--	SPARE	46
47	SPARE	--	20	1		1	20	--	SPARE	48
49	SPARE	--	20	1		1	20	--	SPARE	50
51	SPARE	--	20	1		1	20	--	SPARE	52
53	SPARE	--	20	1		1	20	--	SPARE	54
55	SPARE	--	20	1		1	20	--	SPARE	56
57	SPARE	--	20	1		1	20	--	SPARE	58
59	SPARE	--	20	1		1	20	--	SPARE	60
61	SPARE	--	20	1		1	20	--	SPARE	62
63	SPARE	--	20	1		1	20	--	SPARE	64
65	SPARE	--	20	1		1	20	--	SPARE	66
67	SPARE	--	20	1		1	20	--	SPARE	68
69	SPARE	--	20	1		1	20	--	SPARE	70
71	SPARE	--	20	1		1	20	--	SPARE	72
73	SPARE	--	20	1		1	20	--	SPARE	74
75	SPARE	--	20	1		1	20	--	SPARE	76
77	SPARE	--	20	1		1	20	--	SPARE	78
79	LOAD CENTER #41 - SERVERY...	13,776	125	3		1	20	--	SPARE	80
81	--	--	--	--		1	20	--	SPARE	82
83	--	--	--	--		1	20	--	SPARE	84

87 A / 112 A / 111 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
KTCH	9,187	5,972			
MISC	18,971	18,971			
RCPT	8,280	8,280			
			TOTAL CONNECTED LOAD:	36.4	101.1
			TOTAL ESTIMATED DEMAND:	33.2	92.2

NOTES: *INDICATES GFCI BREAKER

EXIST: M1NHK

LOCATION: ELEC 1-ME1072
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 480/277 WYE
AIC AVAILABLE: 1800 A
AIC RATING: 14000 A

FED FROM: M1DPNH1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 1

NORMAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: NO
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES		A B C	CIRCUIT BREAKER POLES /...		TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	*DISHWASHER - WAREWASH 1-1312	75,234	125	3		1	20	--	EXISTING LOAD	2
3	--	--	--	--		1	20	--	EXISTING LOAD	4
5	--	--	--	--		1	20	--	EXISTING LOAD	6
7	SPARE	--	20	1		1	20	--	EXISTING LOAD	8
9	SPARE	--	20	1		1	20	--	SPARE	10
11	SPARE	--	20	1		1	20	--	SPARE	12
13	SPARE	--	50	3		1	20	--	SPARE	14
15	--	--	--	--		1	20	--	SPARE	16
17	--	--	--	--		1	20	--	SPARE	18
19	SPARE	--	30	3		1	20	--	SPARE	20
21	--	--	--	--		1	20	--	SPARE	22
23	--	--	--	--		1	20	--	SPARE	24
25	SPARE	--	20	2		1	20	--	SPARE	26
27	--	--	--	--		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

91 A / 91 A / 91 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
MISC	75,234	75,234			
			EXISTING CONNECTED LOAD:	64.8	77.9
			REMOVED CONNECTED LOAD:	57.6	69.3
			ADDED CONNECTED LOAD:	75.2	90.5
			TOTAL CONNECTED LOAD:	82.4	99.1
			TOTAL ESTIMATED DEMAND:	82.4	99.1

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.
*INDICATES GFCI BREAKER

EXIST: M1NLK

LOCATION: ELEC 1-ME1072
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 5580 A
AIC RATING: 10000 A

FED FROM: M1DPNL1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

NORMAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES		A B C	CIRCUIT BREAKER POLES /...		TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - CALL CENTER, DRY STORAGE	1,080	20	1		1	20	360	RCPT - CART STORAGE 1-1313	2
3	*SINK HEATER - WAREWASH 1-1312	8,996	40	3		3	20	3,166	*TROUGHVEYOR- WAREWASH 1-1312	4
5	--	--	--	--		--	--	--	--	6
7	--	--	--	--		--	--	--	--	8
9	RCPT - OVEN - KITCHEN 1-1306	6,000	30	2		1	20	756	RCPT - FRYER - KITCHEN 1-1306	10
11	--	--	--	--		1	--	--	SHUNT TRIP	12
13	SHUNT TRIP	--	--	1		1	20	1,080	RCPT - FRYER - KITCHEN 1-1306	14
15	RCPT - GRIDDLE KITCHEN 1-1306	180	20	1		1	--	--	SHUNT TRIP	16
17	SHUNT TRIP	--	--	1		1	20	1,020	RCPT - EQUIP STAND - KITCHEN 1-1306	18
19	*ROLL-IN CABINET - KITCHEN 1-1306	1,705	20	2		1	--	--	SHUNT TRIP	20
21	--	--	--	--		2	20	3,182	*RCPT - DISH DISP -KITCHEN 1-1306	22
23	*RCPT - DISH DISP -KITCHEN 1-1306	3,182	20	2		--	--	--	--	24
25	--	--	--	--		1	20	--	SPARE	26
27	*RCPT KITCHEN 1-1306	790	20	3		3	20	2,375	*DISPOSER - KITCHEN 1-1306	28
29	--	--	--	--		--	--	--	--	30
31	--	--	--	--		--	--	--	--	32
33	*RCPT - SLICER - KITCHEN 1-1306	672	20	1		1	20	888	*RCPT - DROP IN COLD PAN - SERVERY...	34
35	*SHIELD LTS - SERVERY 1-1301B	1,200	20	1		1	20	1,008	*RCPT - DROP IN SOUP - SERVERY...	36
37	*RCPT - MW - SERVERY 1-1301	540	20	1		1	20	1,800	*RCPT - TEA - SERVERY 1-1301	38
39	*RCPT - DRINK DISP - SERVERY 1-1301	1,800	20	1		2	30	2,500	*RCPT - COFFEE - SERVERY 1-1301	40
41	*RCPT - ICE - SERVERY 1-1301	1,056	20	1		--	--	--	--	42
43	*RCPT - SERVERY 1-1301	1,800	20	1		1	20	--	EXISTING LOAD	44
45	*RCPT - SERVERY 1-1301	1,800	20	1		1	20	--	EXISTING LOAD	46
47	RCPT - DINING 1-1300	720	20	1		1	20	--	EXISTING LOAD	48
49	RCPT - DINING 1-1300	720	20	1		1	20	--	EXISTING LOAD	50
51	RCPT - DINING 1-1300	720	20	1		1	20	--	EXISTING LOAD	52
53	RCPT - MW - DINING 1-1300	1,608	20	1		1	20	--	SPARE	54
55	RCPT - MW - DINING 1-1300	1,608	20	1		1	20	180	EXISTING LOAD	56
57	LGHT - KITCHEN 1-1306, SERVERY 1-1301	844	20	1		1	20	--	EXISTING LOAD	58
59	LGHT - DINING 1-1300	664	20	1		1	20	--	SPARE	60
61	SPARE	--	20	1		1	20	--	EXISTING LOAD	62
63	SPARE	--	20	1		1	20	--	EXISTING LOAD	64
65	SPARE	--	20	1		1	20	--	EXISTING LOAD	66
67	SPARE	--	20	1		1	20	--	EXISTING LOAD	68
69	EXISTING SHUNT TRIP	--	--	1		1	20	--	SPARE	70
71	EXISTING HOOD LIGHTS	200	20	1		1	20	--	SPARE	72
73	EXISTING SHUNT TRIP	--	--	1		1	20	--	SPARE	74
75	EXISTING HEAT LAMP	300	20	1		1	20	--	SPARE	76
77	SHUNT TRIP	--	20	1		1	20	--	SPARE	78
79	HOOD LIGHTS	1,800	20	1		1	20	--	SPARE	80
81	EXISTING SHUNT TRIP	--	20	1		1	20	--	SPARE	82
83	EXISTING LOAD	--	20	1		1	20	--	SPARE	84

154 A / 166 A / 168 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
KTCH	22,838	14,845			
LGHT	1,508	1,885	EXISTING CONNECTED LOAD:	55.3	153.4
MISC	16,418	16,418	REMOVED CONNECTED LOAD:	44.2	122.8
RCPT	17,536	13,768	ADDED CONNECTED LOAD:	58.3	161.8
			TOTAL CONNECTED LOAD:	69.4	192.5
			TOTAL ESTIMATED DEMAND:	58	160.9

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.
*INDICATES GFCI BREAKER

NEW: M1ELKB

LOCATION: ELEC 1-ME1072
MAIN BUS: 225 A
MCB: 150A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 2595 A
AIC RATING: 10000 A

FED FROM: M1DPEL1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MCB
NUMBER OF SECTIONS: 1

EMERGENCY
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES		A B C	CIRCUIT BREAKER POLES /...		TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - DIRECTOR OFFICE 1-1304	540	20	1		1	20	1,080	RCPT - OFFICE 1-1305	2
3	JB - EVAP - WALK IN FREEZER	216	20	1		1	20	1,200	JB - LIGHTS - WALK IN FREEZER	4
5	JB - LIGHTS - WALK IN FREEZER	1,200	20	1		1	20	1,200	JB - LIGHTS - WALK IN COOLER	6
7	JB - EVAP - WALK IN FREEZER	3,806	20	2		1	20	324	JB - EVAP - WALK IN COOLER	8
9	--	--	--	--		1	20	1,800	JB - HEAT TAPE- WALK IN FREEZER	10
11	*RCPT - REF - SERVERY EXPANSION A...	912	20	1		1	20	500	JB - VAV	12
13	*RCPT - REF - SERVERY EXPANSION A...	900	20	1		2	20	2,895	*RCPT - REF CASE - SERVERY...	14
15	ROLLING SHUTTER - DINING 1-1300A	720	20	1		--	--	--	--	16
17	JBOX - FSD	500	20	1		1	20	912	RCPT - REF - MICRO MARKET 1-1302	18
19	KEF-3	1,176	20	1		1	20	912	RCPT - REF - MICRO MARKET 1-1302	20
21	RCPT - ROOF CONV	360	20	1		1	20	912	RCPT - REF - MICRO MARKET 1-1302	22
23	RTU-3 CONTROLS	0	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		3	70	19,000	JB - REF RACK	38
39	SPARE	--	20	1		--	--	--	--	40
41	SPARE	--	20	1		--	--	--	--	42

126 A / 128 A / 96 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
KTCH	1,812	1,812			
MISC	29,746	29,746			
MTRS	1,896	2,190			
RCPT	7,611	7,611			
			TOTAL CONNECTED LOAD:	41.1	114
			TOTAL ESTIMATED DEMAND:	41.4	114.8

NOTES: *INDICATES GFCI BREAKER

EXIST: M1ELK

LOCATION: ELEC 1-ME1072
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 4340 A
AIC RATING: 10000 A

FED FROM: M1DPEL1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

EMERGENCY
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES		A B C	CIRCUIT BREAKER POLES /...		TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - CALL CENTER	1,080	20	1		1	20	1,020	*RCPT - REF - KITCHEN B 1-1306	2
3	*RCPT - REF - KITCHEN B 1-1306	1,020	20	1		1	20	1,020	*RCPT - REF - KITCHEN B 1-1306	4
5	*RCPT - UCR - KITCHEN B 1-1306	960	20	1		1	20	912	*RCPT - REF - KITCHEN B 1-1306	6
7	*ROLL IN FRZ - SERVERY 1-1301	1,705	20	1		2	20	2,895	*RCPT - REF CASE - SERVERY 1-1301	8
9	*RCPT - ICE CREAM - SERVERY 1-1301B	180	20	1		--	--	--	--	10
11	SPARE	--	20	1		1	20	1,484	EXISTING LOAD	12
13	SPARE	--	15	3		1	20	977	LGHT - KITCHEN B 1-1306	14
15	--	--	--	--		1	20	382	LGHT - SERVERY 1-1301	16
17	--	--	--	--		1	20	284	LGHT - DINING 1-1300	18
19	SPARE	--	20	3		1	20	1,632	EXISTING LOAD	20
21	--	--	--	--		1	20	1,632	EXISTING LOAD	22
23	--	--	--	--		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	HOOD CONTROLS	100	20	1		1	20	--	SPARE	34
35	EXISTING LOAD	100	20	1		1	20	--	SPARE	36
37	HOOD CONTROLS	100	20	1		1	20	--	SPARE	38
39	SPARE	--	20	1		1	20	--	SPARE	40
41	SPARE	--	20	1		1	20	--	SPARE	42
43	SPARE	--	20	1		1	20	--	SPARE	44
45	SPARE	--	20	1		1	20	--	SPARE	46
47	SPARE	--	20	1		1	20	--	SPARE	48
49	SPARE	--	20	1		1	20	--	SPARE	50
51	SPARE	--	20	1		1	20	--	SPARE	52
53	SPARE	--	20	1		1	20	--	SPARE	54
55	SPARE	--	20	1		1	20	--	SPARE	56
57	SPARE	--	20	1		1	20	--	SPARE	58
59	EXISTING SHUNT TRIP	--	--	1		1	20	--	SPARE	60
61	EXISTING LOAD	--	20	1		1	20	--	SPARE	62
63	SPARE	--	20	1		1	20	--	SPARE	64
65	SPARE	--	20	1		1	20	--	SPARE	66
67	SPARE	--	20	1		1	20	--	SPARE	68
69	SPARE	--	20	1		1	20	--	SPARE	70
71	SPARE	--	20	1		1	20	--	SPARE	72
73	SPARE	--	20	1		1	20	--	SPARE	74
75	SPARE	--	20	1		1	20	--	SPARE	76
77	SPARE	--	20	1		1	20	--	SPARE	78
79	SPARE	--	20	1		1	20	--	SPARE	80
81	SPARE	--	20	1		1	20	--	SPARE	82
83	SPARE	--	20	1		1	20	--	SPARE	84

69 A / 51 A / 31 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
KTCH	6,637	4,314			
LGHT	1,623	2,028	EXISTING CONNECTED LOAD:	44.6	123.7
MISC	300	300	REMOVED CONNECTED LOAD:	43.7	121.4
RCPT	8,903	8,903	ADDED CONNECTED LOAD:	17.5	48.5
			TOTAL CONNECTED LOAD:	18.3	50.8
			TOTAL ESTIMATED DEMAND:	16.4	45.5

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.
*INDICATES GFCI BREAKER

M1NLKB	M1NHK	M1NLK
	M1ELKB	M1ELK

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

BRADY RENAE WHEELER
NUMBER PE-2010040135
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

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.

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

SCHEDULES - ELECTRICAL

E08-04

1/29/2025 3:42:18 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

NEW: H3NLB — NORMAL

LOCATION: ELEC 3-2040
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3974 A
AIC RATING: 10000 A

FED FROM: H1DPNL1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - STAFF LOUNGE & STAFF TLTS	1,260	20 / 1				1 20	1,080	RCPT - NS 3-2033	2
3	RCPT - CORRIDOR CONV	1,440	20 / 1				1 20	180	RCPT - STAFF LOUNGE 3-2118 COFF	4
5	RCPT - STAFF LOUNGE 3-2118 MW	180	20 / 1				1 20	1,260	RCPT - NURSE ALC, MEDS, CLEAN	6
7	RCPT - NURSE ALCOVES	1,440	20 / 1				1 20	1,080	RCPT - SOILED 3-2039, MGR OFFICE...	8
9	RCPT - NOURISH 2038 ICE	180	20 / 1				1 20	1,260	RCPT - ADA PAT RM 3-2002	10
11	RCPT - NOURISH 2038 COFF	180	20 / 1				1 20	1,260	RCPT - PAT RM 3-2006	12
13	RCPT - NOURISH 2038 MW	180	20 / 1				1 20	1,260	RCPT - PAT RM 3-2010	14
15	RCPT - ADA PAT RM 3-2000	1,260	20 / 1				1 20	1,260	RCPT - ISO PAT RM 3-2014	16
17	RCPT - PAT RM 3-2004	1,260	20 / 1				1 20	1,260	RCPT - PAT RM 3-2018	18
19	RCPT - PAT RM 3-2008	1,260	20 / 1				1 20	1,260	RCPT - PAT RM 3-2022	20
21	RCPT - PAT RM 3-2012	1,260	20 / 1				1 20	1,260	RCPT - PAT RM 3-2026	22
23	RCPT - PAT RM 3-2016	1,260	20 / 1				1 20	1,260	RCPT - PAT RM 3-2030	24
25	RCPT - PAT RM 3-2020	1,260	20 / 1				1 20	720	PLUGMOLD - EQUIPMENT STORAGE...	26
27	RCPT - PAT RM 3-2024	1,260	20 / 1				1 20	560	LTS - PAT RMS 3-2000 - 3-2014	28
29	RCPT - PAT RM 3-2028	1,260	20 / 1				1 20	720	RCPT - COMM 3-2036	30
31	PLUGMOLD - EQUIPMENT STORAGE...	540	20 / 1				1 20	180	RCPT - TVJ - COMM 3-2036	32
33	RCPT - DICTATION / WORK 3-2032	900	20 / 1				1 20	180	RCPT - TVJ - COMM 3-2036	34
35	LTS - CORRIDOR	1,405	20 / 1				1 20	--	SPARE	36
37	LTS - PAT RMS 3-2016 - 3-2030	640	20 / 1				1 20	--	SPARE	38
39	SPARE	--	20 / 1				1 20	--	SPARE	40
41	SPARE	--	20 / 1				1 20	--	SPARE	42
43	SPARE	--	20 / 1				1 20	--	SPARE	44
45	SPARE	--	20 / 1				1 20	--	SPARE	46
47	SPARE	--	20 / 1				1 20	--	SPARE	48
49	SPARE	--	20 / 1				1 20	--	SPARE	50
51	SPARE	--	20 / 1				1 20	--	SPARE	52
53	SPARE	--	20 / 1				1 20	--	SPARE	54
55	SPARE	--	20 / 1				1 20	--	SPARE	56
57	SPARE	--	20 / 1				1 20	--	SPARE	58
59	SPARE	--	20 / 1				1 20	--	SPARE	60
61	SPARE	--	20 / 1				1 20	--	SPARE	62
63	SPARE	--	20 / 1				1 20	--	SPARE	64
65	SPARE	--	20 / 1				1 20	--	SPARE	66
67	SPARE	--	20 / 1				1 20	--	SPARE	68
69	SPARE	--	20 / 1				1 20	--	SPARE	70
71	SPARE	--	20 / 1				1 20	--	SPARE	72
73	SPARE	--	20 / 1				1 20	--	SPARE	74
75	SPARE	--	20 / 1				1 20	--	SPARE	76
77	SPARE	--	20 / 1				1 20	--	SPARE	78
79	SPARE	--	20 / 1				1 20	--	SPARE	80
81	SPARE	--	20 / 1				1 20	--	SPARE	82
83	SPARE	--	20 / 1				1 20	--	SPARE	84

102 A / 92 A / 95 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
LGHT	2,605	3,257			
MISC	0				
RCPT	31,860	20,930			
			TOTAL CONNECTED LOAD:	34.5	95.7
			TOTAL ESTIMATED DEMAND:	24.2	67.1

NOTES:

NEW: H3CLB — CRITICAL

LOCATION: ELEC 3-2040
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3013 A
AIC RATING: 10000 A

FED FROM: H3DPCL3
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - STAFF LOUNGE 3-2118 REF	1,000	20 / 1				1 20	180	RCPT - DAS - COMM 3-2036	2
3	RCPT - DICTATION / WORK 3-2032	1,440	20 / 1				1 20	500	RCPT - DICTATION / WORK 3-2032 PRT	4
5	RCPT - NURSE STATION 3-2033	1,580	20 / 1				1 20	1,080	RCPT - ROOM 14, 25, 3-2043B, 3-2092	6
7	RCPT - NURSE STATION 3-2033	1,220	20 / 1				1 20	1,260	RCPT - ROOM 3-2035, 14, 24, 3-2034	8
9	RCPT - MEDS 3-2034 PYXIS	1,500	20 / 1				1 20	500	RCPT - MEDS 3-2034 REF	10
11	RCPT - ROOM 16, 22, 3-2037	1,080	20 / 1				1 20	500	RCPT - CLEAN ALC, 3-2037 WARMER	12
13	RCPT - NOURISH 2038 REF	1,000	20 / 1				1 20	1,260	RCPT - ROOM 3-2041, 17, 21	14
15	RCPT - ADA PAT RM 3-2000	720	20 / 1				1 20	900	RCPT - ADA PAT RM 3-2000	16
17	RCPT - ADA PAT RM 3-2002	720	20 / 1				1 20	900	RCPT - ADA PAT RM 3-2002	18
19	RCPT - PAT RM 3-2004	720	20 / 1				1 20	900	RCPT - PAT RM 3-2004	20
21	RCPT - PAT RM 3-2006	720	20 / 1				1 20	900	RCPT - PAT RM 3-2006	22
23	RCPT - PAT RM 3-2008	720	20 / 1				1 20	900	RCPT - PAT RM 3-2008	24
25	RCPT - PAT RM 3-2010	720	20 / 1				1 20	900	RCPT - PAT RM 3-2010	26
27	RCPT - PAT RM 3-2012	720	20 / 1				1 20	900	RCPT - PAT RM 3-2012	28
29	RCPT - ISO PAT RM 3-2014	720	20 / 1				1 20	900	RCPT - ISO PAT RM 3-2014	30
31	RCPT - PAT RM 3-2030	720	20 / 1				1 20	900	RCPT - PAT RM 3-2030	32
33	RCPT - PAT RM 3-2028	720	20 / 1				1 20	900	RCPT - PAT RM 3-2028	34
35	RCPT - PAT RM 3-2026	720	20 / 1				1 20	900	RCPT - PAT RM 3-2026	36
37	RCPT - PAT RM 3-2024	720	20 / 1				1 20	900	RCPT - PAT RM 3-2024	38
39	RCPT - PAT RM 3-2022	720	20 / 1				1 20	900	RCPT - PAT RM 3-2022	40
41	RCPT - PAT RM 3-2020	720	20 / 1				1 20	900	RCPT - PAT RM 3-2020	42
43	RCPT - PAT RM 3-2018	720	20 / 1				1 20	900	RCPT - PAT RM 3-2018	44
45	RCPT - PAT RM 3-2016	720	20 / 1				1 20	900	RCPT - PAT RM 3-2016	46
47	LTS - PAT RMS 3-2000 - 3-2014	960	20 / 1				1 20	840	LTS - PAT RMS 3-2016 - 3-2030	48
49	LTS - CORE AREAS	1,427	20 / 1				1 20	200	JBOX - ISO PAT RM 3-2014 MON	50
51	RCPT - COMM 3-2036	180	20 / 1				1 20	180	RCPT - COMM 3-2036	52
53	RCPT - COMM 3-2036	180	20 / 1				1 20	180	RCPT - COMM 3-2036	54
55	RCPT - COMM 3-2036	1,200	30 / 2				2 30	1,200	RCPT - COMM 3-2036	56
57	--	--	-- / --				-- --	--	--	58
59	RCPT - COMM 3-2036	1,200	30 / 2				2 30	1,200	RCPT - COMM 3-2036	60
61	--	--	-- / --				-- --	--	--	62
63	RCPT - ACP - COMM 3-2036	180	20 / 1				1 20	180	RCPT - ACP - COMM 3-2036	64
65	RCPT - NCT - COMM 3-2036	180	20 / 1				1 20	720	RCPT - ROOM 3-2042, 3-2046A	66
67	RCPT - NURSE STATION 3-2033	500	20 / 1				1 20	720	RCPT - ROOF	68
69	SPARE	--	20 / 1				1 20	--	SPARE	70
71	SPARE	--	20 / 1				1 20	--	SPARE	72
73	SPARE	--	20 / 1				1 20	--	SPARE	74
75	SPARE	--	20 / 1				1 20	--	SPARE	76
77	SPARE	--	20 / 1				1 20	--	SPARE	78
79	SPARE	--	20 / 1				1 20	--	SPARE	80
81	SPARE	--	20 / 1				1 20	--	SPARE	82
83	SPARE	--	20 / 1				1 20	--	SPARE	84

162 A / 130 A / 140 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
LGHT	3,227	4,034			
MISC	200	200			
RCPT	48,020	29,010			
			TOTAL CONNECTED LOAD:	51.4	142.8
			TOTAL ESTIMATED DEMAND:	33.2	92.3

NOTES:

NEW: H3QLB — EQUIPMENT

LOCATION: ELEC 3-2082
MAIN BUS: 100 A
MCB: 100A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 1714 A
AIC RATING: 10000 A

FED FROM: T-H3QLB
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.
1	GEF-9	1,587	20 / 1				1 20	1,587	GEF-14	2
3	GEF-15	1,176	20 / 1				1 20	1,587	IEF-1	4
5	IEF-2	1,587	20 / 1				1 20	500	JBOX - VAVS	6
7	JBOX - VAVS	500	20 / 1				1 20	500	JBOX - AHU-1 RCPTS - MECH 3-2091	8
9	JBOX - AHU-1 LTS - MECH 3-2091	500	20 / 1				1 20	500	JBOX - AHU-1 DAMPERS - MECH 3-2091	10
11	JBOX - MISC CONTROLS - MECH 3-2091	500	20 / 1				1 20	864	PHP-1 - MECH 3-2091	12
13	CH-9	5,000	35 / 2				2 35	5,000	CH-10	14
15	--	--	-- / --				-- --	--	--	16
17	JBOX - PTS	200	20 / 1				1 20	500	JBOX - FSD	18
19	JBOX - FSD	500	20 / 1				1 20	0	JBOX - PTS	20
21	JBOX - VAVS	500	20 / 1				1 20	500	JBOX - FSD	22
23	JBOX - VAVS	500	20 / 1				1 20	500	JBOX - FSD	24
25	BAS	200	20 / 1				2 30	4,007	ACCU-3	26
27	ACCU-2	4,007	30 / 2				-- --	--	--	28
29	--	--	-- / --				2 30	4,007	ACCU-4	30
31	SPARE	--	20 / 1				-- --	--	--	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

122 A / 121 A / 76 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
MISC	17,804	17,804			
MTRS	19,005	19,962			
			TOTAL CONNECTED LOAD:	36.8	102.2
			TOTAL ESTIMATED DEMAND:	37.8	104.8

NOTES:

NEW: H3LLA — LIFE SAFETY

LOCATION: ELEC 3-2040
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 2546 A
AIC RATING: 10000 A

FED FROM: TH3LLA
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 1

NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	LTS - CORRIDOR	536	20 / 1				1 20	410	LTS - CORRIDOR	2
3	JBOX - AAP	200	20 / 1				1 20	200	JBOX - AAP	4
5	SPARE	--	20 / 1				1 20	--	SPARE	6
7	SPARE	--	20 / 1				1 20	--	SPARE	8
9	SPARE	--	20 / 1				1 20	--	SPARE	10
11	SPARE	--	20 / 1				1 20	--	SPARE	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

8 A / 4 A / 0 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
LGHT	945	1,181			
MISC	400	400			
			TOTAL CONNECTED LOAD:	1.3	3.7
			TOTAL ESTIMATED DEMAND:	1.6	4.4

NOTES:

	H3NLB	H3QLB
	H3CLB	H3LLA

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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

SCHEDULES - ELECTRICAL

E08-05

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:54:42 PM

NEW: H3NLC

LOCATION: ELEC 3-2082
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3461 A
AIC RATING: 10000 A

FED FROM: H1DPNL1
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

NORMAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - ROOM 3-2075, 3-2121, 3-2085A	1,440	20 1		1 20	1,260	RCPT - CORRIDOR CONV	2
3	RCPT - ROOM 3-2076, 3-2077, 3-2078	1,260	20 1		1 20	900	RCPT - ROOM 3-2077, 3-2076, 3-2078, 4, 8	4
5	RCPT - ROOM 3-2077, 3-2076	720	20 1		1 20	1,000	RCPT - NOURISH 3-2079 ICE	6
7	RCPT ROOM 3-2062, 3-2081, 3-2096	720	20 1		1 20	180	RCPT - NOURISH 3-2079 COFF	8
9	RCPT - STORAGE 3-2083	360	20 1		1 20	180	RCPT - NOURISH 3-2079 MW	10
11	RCPT - PAT RM 3-2052	1,260	20 1		1 20	1,260	RCPT - PAT RM 3-2050	12
13	RCPT - PAT RM 3-2056	1,260	20 1		1 20	1,260	RCPT - PAT RM 3-2054	14
15	RCPT - ISO PAT RM 3-2060	1,260	20 1		1 20	1,260	RCPT - PAT RM 3-2058	16
17	RCPT - PAT RM 3-2065	1,260	20 1		1 20	1,260	RCPT - PAT RM 3-2063	18
19	RCPT - PAT RM 3-2069	1,260	20 1		1 20	1,260	RCPT - PAT RM 3-2067	20
21	RCPT - ADA PAT RM 3-2073	1,260	20 1		1 20	1,260	RCPT - ADA PAT RM 3-2071	22
23	RCPT - MECH 3-2091	900	20 1		1 20	720	RCPT - MECH 3-2091	24
25	LTS - PAT RMS 3-2063 - 3-2073	480	20 1		1 20	1,080	RCPT - SHARED OFFICE 3-2062	26
27	SPARE	--	20 1		1 20	480	LTS - PAT RMS 3-2050 - 3-2060	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	SPARE	--	20 1		1 20	--	SPARE	56
57	SPARE	--	20 1		1 20	--	SPARE	58
59	SPARE	--	20 1		1 20	--	SPARE	60
61	SPARE	--	20 1		1 20	--	SPARE	62
63	SPARE	--	20 1		1 20	--	SPARE	64
65	SPARE	--	20 1		1 20	--	SPARE	66
67	SPARE	--	20 1		1 20	--	SPARE	68
69	SPARE	--	20 1		1 20	--	SPARE	70
71	SPARE	--	20 1		1 20	--	SPARE	72
73	SPARE	--	20 1		1 20	--	SPARE	74
75	SPARE	--	20 1		1 20	--	SPARE	76
77	SPARE	--	20 1		1 20	--	SPARE	78
79	SPARE	--	20 1		1 20	--	SPARE	80
81	SPARE	--	20 1		1 20	--	SPARE	82
83	SPARE	--	20 1		1 20	--	SPARE	84

85 A / 69 A / 70 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
LGHT	960	1,200			
MISC	0				
RCPT	25,840	17,920			
			TOTAL CONNECTED LOAD:	26.8	74.4
			TOTAL ESTIMATED DEMAND:	19.1	53.1

NOTES:

NEW: H3CLC

LOCATION: ELEC 3-2082
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3100 A
AIC RATING: 10000 A

FED FROM: H3DPCL3
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

CRITICAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: YES
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	RCPT - PAT RM 3-2050	900	20 1		1 20	720	RCPT - PAT RM 3-2050	2
3	RCPT - PAT RM 3-2052	900	20 1		1 20	720	RCPT - PAT RM 3-2052	4
5	RCPT - PAT RM 3-2054	900	20 1		1 20	720	RCPT - PAT RM 3-2054	6
7	RCPT - PAT RM 3-2056	900	20 1		1 20	720	RCPT - PAT RM 3-2056	8
9	RCPT - PAT RM 3-2058	900	20 1		1 20	720	RCPT - PAT RM 3-2058	10
11	RCPT - ISO PAT RM 3-2060	900	20 1		1 20	720	RCPT - ISO PAT RM 3-2060	12
13	RCPT - PAT RM 3-2063	900	20 1		1 20	720	RCPT - PAT RM 3-2063	14
15	RCPT - PAT RM 3-2065	900	20 1		1 20	720	RCPT - PAT RM 3-2065	16
17	RCPT - PAT RM 3-2067	900	20 1		1 20	720	RCPT - PAT RM 3-2067	18
19	RCPT - PAT RM 3-2069	900	20 1		1 20	720	RCPT - PAT RM 3-2069	20
21	RCPT - ADA PAT RM 3-2071	900	20 1		1 20	720	RCPT - ADA PAT RM 3-2071	22
23	RCPT - ADA PAT RM 3-2073	900	20 1		1 20	720	RCPT - ADA PAT RM 3-2073	24
25	RCPT - OFFICE 3-2121	1,400	20 1		1 20	1,260	RCPT - DICTATION 3-2075	26
27	RCPT NURSE STATION 3-2076	900	20 1		1 20	900	RCPT NURSE STATION 3-2076	28
29	RCPT - MEDS 3-2077 PYXIS	1,500	20 1		1 20	1,220	RCPT ROOM 3-2076, 3, 2	30
31	RCPT ROOM 3-2076, 3, 10, 11, 2	1,440	20 1		1 20	1,000	RCPT - MEDS 3-2077 REF	32
33	RCPT - NOURISH 3-2079 REF	1,000	20 1		1 20	500	RCPT - CLEAN A.C. 3-2096 WARMER	34
35	RCPT - SHARED OFFICE 3-2062	1,220	20 1		1 20	1,260	RCPT - ROOM 4, 3-2086A	36
37	LTS - PAT RMS 3-2050 - 3-2060	720	20 1		1 20	720	LTS - PAT RMS 3-2063 - 3-2073	38
39	LTS - CORE AREAS	466	20 1		1 20	1,049	LTS - CORE AREAS	40
41	RCPT - SHARED OFFICE 3-2062	1,080	20 1		1 20	1,110	LTS - CORRIDOR	42
43	RCPT - ROOF	720	20 1		1 20	--	SPARE	44
45	SPARE	--	20 1		1 20	--	SPARE	46
47	SPARE	--	20 1		1 20	--	SPARE	48
49	SPARE	--	20 1		1 20	--	SPARE	50
51	SPARE	--	20 1		1 20	--	SPARE	52
53	SPARE	--	20 1		1 20	--	SPARE	54
55	SPARE	--	20 1		1 20	--	SPARE	56
57	SPARE	--	20 1		1 20	--	SPARE	58
59	SPARE	--	20 1		1 20	--	SPARE	60
61	SPARE	--	20 1		1 20	--	SPARE	62
63	SPARE	--	20 1		1 20	--	SPARE	64
65	SPARE	--	20 1		1 20	--	SPARE	66
67	SPARE	--	20 1		1 20	--	SPARE	68
69	SPARE	--	20 1		1 20	--	SPARE	70
71	SPARE	--	20 1		1 20	--	SPARE	72
73	SPARE	--	20 1		1 20	--	SPARE	74
75	SPARE	--	20 1		1 20	--	SPARE	76
77	SPARE	--	20 1		1 20	--	SPARE	78
79	SPARE	--	20 1		1 20	--	SPARE	80
81	SPARE	--	20 1		1 20	--	SPARE	82
83	SPARE	--	20 1		1 20	--	SPARE	84

118 A / 94 A / 119 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
LGHT	4,065	5,081			
RCPT	34,840	22,420			
			TOTAL CONNECTED LOAD:	38.9	108
			TOTAL ESTIMATED DEMAND:	27.5	76.3

NOTES:

EXIST: H3NLA

LOCATION: ELEC 3-123
MAIN BUS: 100 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3032 A
AIC RATING: 10000 A

FED FROM: H2DPNL2
WIRES: 4W + G
ENCLOSURE: EXISTING
BUS TYPE: EXISTING
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 1

NORMAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: NO
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	EXISTING LOAD	--	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	--	SPARE	8
9	EXISTING LOAD	--	20 1		1 20	--	SPARE	10
11	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	12
13	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	14
15	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	16
17	EXISTING LOAD	--	20 1		1 20	--	SPARE	18
19	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	20
21	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	24
25	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20 1		1 20	--	SPARE	30
31	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	32
33	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	34
35	SPARE	--	20 1		1 20	--	EXISTING LOAD	36
37	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	38
39	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	40
41	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	42

0 A / 0 A / 0 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
			EXISTING CONNECTED LOAD:	153.3	425.6
			REMOVED CONNECTED LOAD:	0	0
			ADDED CONNECTED LOAD:	0	0
			TOTAL CONNECTED LOAD:	153.3	425.6
			TOTAL ESTIMATED DEMAND:	153.3	425.6

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.

EXIST: H3CLA

LOCATION: ELEC 3-123
MAIN BUS: 225 A
MCB: N/A
VOLTAGE: 120/208 WYE
AIC AVAILABLE: 3812 A
AIC RATING: 10000 A

FED FROM: H3DPCL3
WIRES: 4W + G
ENCLOSURE: EXISTING
BUS TYPE: EXISTING
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

CRITICAL
NEUTRAL BUS: YES
GROUND BUS: YES
ISOLATED GROUND BUS: NO
200% NEUTRAL: NO
FEED THROUGH LUGS: NO
POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A B C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	EXISTING LOAD	--	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	--	EXISTING LOAD	12
13	EXISTING LOAD	--	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	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	24
25	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	30
31	SPARE	--	20 1		2 30	--	EXISTING LOAD	32
33	SPARE	--	20 1		-- --	--	--	34
35	SPARE	--	20 1		2 30	--	EXISTING LOAD	36
37	SPARE	--	20 1		-- --	--	--	38
39	SPARE	--	20 1		2 30	--	EXISTING LOAD	40
41	SPARE	--	20 1		-- --	--	--	42
43	SPARE	--	20 1		1 20	--	EXISTING LOAD	44
45	SPARE	--	20 1		1 20	--	EXISTING LOAD	46
47	SPARE	--	20 1		1 20	--	SPARE	48
49	SPARE	--	20 1		1 20	--	EXISTING LOAD	50
51	SPARE	--	20 1		1 20	--	EXISTING LOAD	52
53	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	54
55	EXISTING LOAD	--	20 1		1 20	--	SPARE	56
57	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	58
59	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	60
61	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	62
63	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	64
65	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	66
67	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	68
69	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	70
71	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	72
73	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	74
75	SPARE	--	20 1		1 20	--	EXISTING LOAD	76
77	SPARE	--	20 1		1 20	--	SPARE	78
79	EXISTING LOAD	--	20 1		1 --	--	EQUIPPED SPACE	80
81	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	82
83	EXISTING LOAD	--	20 1		1 20	--	EXISTING LOAD	84

0 A / 0 A / 0 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	kVA	AMPS
			EXISTING CONNECTED LOAD:	19.1	53.1
			REMOVED CONNECTED LOAD:	0	0
			ADDED CONNECTED LOAD:	0	0
			TOTAL CONNECTED LOAD:	19.1	53.1
			TOTAL ESTIMATED DEMAND:	19.1	53.1

NOTES: EXISTING LOAD IS BASED ON 30 DAY METERING LOAD FROM 06/05/2024 - 07/05/2024 X 1.25.

	H3NLC	H3NLA
	H3CLC	H3CLA

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007046133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS

REV #	DESCRIPTION	DATE

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

SCHEDULES - ELECTRICAL

E08-06

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 6:54:44 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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)
NM	NURSE CALL CONSOLE (GRAPHICAL STAFF CONSOLE, DESK MT. - GRS10)	AA	NOTE#3
RK	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 BULB. 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/O CODE BLUE LEVER - (SRS or GRS)	CC	48" AFF
SP CB	SINGLE PATIENT STATION: STANDARD ROOM STATION W/ CODE BLUE LEVER - (SRS or GRS) (DEVICE EQUIPPED WITH STAFF ASSIST/CODE BLUE)	CC	48" AFF
D	DUTY STATION - STANDARD ROOMS STATION W/O CODE BLUE (SRS)	CC	48" AFF
RCB	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 CONTROL CONNECTION	NA	NA
NSCSER	NURSE CALL NETWORK SWITCH MOUNTED INTO VENDOR RACK.	NA	NA

NURSE CALL BACK BOX SCHEDULE

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

NURSE CALL CABLE SCHEDULE

SYMBOL	DESCRIPTION	MODEL # (BELDEN)
A	4 PAIR CAT 5/5E 24AWG - NURSE CALL DATA CABLE	1583A
B	2 CONDUCTOR 12AWG - NURSE CALL POWER	5000UE
C	3 CONDUCTOR 22AWG, TV AND LOW VOLTAGE LIGHT RELAY	5501UE
F	6 STRAND MULTIMODE FIBER; ARMORED	B9B240

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

INTERCOM LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	MTG. HEIGHT UNO (NOTE 1)
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.	18" AFF
IC 3	INTERCOM DOOR STATION - WALL MOUNTED. DOUBLE GANG BACKBOX, 4" X 4", WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING.	48" AFF
IC 4	INTERCOM DOOR STATION W/ CARD READER - FLUSH MOUNTED. PROPRIETARY BACK BOX, 1" CONDUIT STUBBED ABOVE CEILING.	48" AFF

INTERCOM CABLE SCHEDULE

SYMBOL	DESCRIPTION	PART#
"IC"	2 CONDUCTOR #18 AWG	6300UE
"IC-N"	CATEGORY CABLE	REFER TO DIV. 271500

INTERCOM NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.
2. CABLING CONTRACTOR TO PROVIDE AND INSTALL ALL INTERCOM CABLES AS SHOWN ON THE DRAWINGS; LEAVING A MINIMUM 2 FEET COILED AT EACH LOCATION.
3. DOOR STATIONS SHALL BE PROVIDED WITH DOOR UNLOCK CAPABILITY WITH THE ASSOCIATED DOOR FROM THE MASTER STATION.
4. REFER TO RESPONSIBILITY MATRIX SCHEDULE FOR OWNERSHIP OF RESPONSIBILITIES OF THE INTERCOM SYSTEM.

ACCESS CONTROL SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION		BACK BOX	MTG. HEIGHT UNO (NOTE 1)
	MOUNT	TECHNOLOGY		CEILING OR WALL MOUNT
M T EXAMPLE	C - CEILING F - FLUSH M - MULLION R - RACK T - TURNSTILE D - DESK H - HIDDEN P - POLE S - SURFACE W - WALL	- SPECIFIC TO DEVICE - CAN BE MULTIPLE EX- EXISTING ETR- EXISTING TO REMAIN	XX	
CR	**CARD ACCESS READER** S - SMART CARD F - ELEVATOR FLOOR CALL I - ICLASS M - MAGSTRIPE H - ELEVATOR HALL CALL P - PROXIMITY W - WIEGAND		D1	48" AFF
BR M T	**BIOMETRIC ACCESS READER** F - FINGERPRINT I - IRIS V - VOICE H - HAND GEOMETRY R - RETINA		D1	48" AFF
CK M T	**CARD ACCESS READER W/ KEYPAD** B - BARCODE F - ELEVATOR FLOOR CALL I - ICLASS M - MAGSTRIPE S - SMART CARD H - ELEVATOR HALL CALL P - PROXIMITY W - WIEGAND DUAL PUSH BUTTON		D1	48" AFF
KP M T	**KEYPAD** D - DRY CONTACT W - WIEGAND		D1	48" AFF
PB T	**PUSH BUTTON** D- DIRECT POWER DROP X - REQUEST TO EXIT		D2	48" AFF
RR M T	**REMOTE RELEASE BUTTON** U - UNDER COUNTER W- WALL		D2	18" AFF
ACP	**ACCESS CONTROL PANEL**		N/A	(NOTE#4)
DC	**DOOR CONTACT**		N/A	AS REQD.
PB	**PANIC BUTTON** H- HARDWIRED W- WIRELESS		N/A	AS REQD.
KS M T	**KEY SWITCH** A - ALTERNATE ACTION K - KEYED ALIKE LD - LED IC - INTERCHANGEABLE CORE L - LATCHING M - MOMENTARY		D2	48" AFF
LPS	**LOCK POWER SUPPLY**		N/A	AS REQD.
PP / WP	**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
D1	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
D2	DOUBLE GANG BACK BOX, 3 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
D3	DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH DOUBLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
D4	DOUBLE GANG BACK BOX, 3 1/2" DEEP, WITH DOUBLE GANG DEVICE COVER AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
P1	PROPRIETARY BACK BOX WITH 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. REFER TO MANUFACTURER SPECIFICATIONS FOR DEVICE BACK BOX REQUIREMENTS AND PART #S.

VIDEO SURVEILLANCE SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION			BACK BOX	MTG. HEIGHT UNO (NOTE 1)
	M=MOUNTING TYPE		T=TECHNOLOGY (CAMERA TYPE)		CEILING OR WALL MOUNT
M ZZZ T EXAMPLE	C - CEILING M - MULLION PE - PENDANT T - TURNSTILE D - DESK P - POLE R - RACK W - WALL F - FLUSH PA- PARAPET S - SURFACE CO- CORNER		- SPECIFIC TO DEVICE - CAN BE MULTIPLE - SHOWN BELOW FOR EACH CAMERA ZZZ = FIELD OF VIEW	XX	
M T	**STATIONARY CAMERA** E - ENVIRONMENTAL P - POE V - VANDAL RESISTANT C - COVERT D - DOME F - FISHEYE				AS REQD.
M T	**PAN/TILT/ZOOM CAMERA** B - BOX P - POE V - VANDAL RESISTANT E - ENVIRONMENTAL D - DOME				AS REQD.
M T	**2 SENSOR CAMERA** E - ENVIRONMENTAL D - DOME P - POE V - VANDAL RESISTANT				
M T	**3 SENSOR CAMERA** E - ENVIRONMENTAL D - DOME P - POE V - VANDAL RESISTANT				AS REQD.
M T	**4 SENSOR CAMERA** E - ENVIRONMENTAL D - DOME P - POE V - VANDAL RESISTANT				AS REQD.
M T	**MONITOR** D - DESKTOP R - RECESSED S - SWING ARM T - WITH TILT			D2	AS REQD.
NVR M T	**VIDEO RECORDER** D - DVR N - NVR				AS REQD.
SW M T	**SWITCH** K -KEY SWITCH P - PUSH BUTTON T - TOGGLE			D2	AS REQD.
PS M T	**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	LAY-IN CEILING: 2X2 METAL CAMERA CEILING TILE WITH ADDITIONAL CEILING GRID SUPPORT. HARD-PAN CEILING: DOUBLE GANG BACK BOX, 2 1/8" DEEP, FLUSH MOUNTED IN CEILING, AND 3/4" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.
OUTDOOR WALL MOUNT	SINGLE GANG WEATHERPROOF BACK BOX, 2 1/8" DEEP, FLUSH MOUNTED VERTICALLY, AND 3/4" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.
OUTDOOR CORNER MOUNT	DOUBLE GANG ALUMINUM WEATHERPROOF BACK BOX, 2 1/8" DEEP, SURFACE MOUNTED APPROXIMATELY SAME HEIGHT AS CORNER MOUNT, 3/4" LIQUID-TITE FROM BACK BOX TO CAMERA (WITH DRIP LOOP), AND 3/4" CONDUIT PATHWAY FROM BACK BOX STUBBED TO ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.
PARAPET MOUNT	DOUBLE GANG ALUMINUM WEATHERPROOF BACK BOX, 2 1/8" DEEP, SURFACE MOUNTED ON INSIDE OF PARAPET, 3/4" LIQUID-TITE FROM BACK BOX TO CAMERA (WITH DRIP LOOP), AND 3/4" CONDUIT PATHWAY FROM BACK BOX STUBBED TO ABOVE ACCESSIBLE CEILING SPACE WITHIN BUILDING.

GENERAL SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

CP	PROPOSED CABLE PATH. SEE DETAILS FOR MORE INFORMATION. CABLE PATH SHOWN FOR COORDINATION PURPOSES ONLY. PATH SHALL BE FIELD VERIFIED BY INSTALLATION CONTRACTOR.
	2", UNLESS NOTED OTHERWISE, PRE-MANUFACTURED SLEEVE FIRE RATED PATHWAY DEVICE THROUGH RATED WALL, EMT SLEEVE THROUGH NON-RATED WALL.
	VERTICAL CORE AND SLEEVE THROUGH FLOOR. PROVIDE EMT SLEEVE, EQUIPPED WITH PLASTIC BUSHING ON BOTH ENDS. REFER TO FLOOR PLANS FOR SIZING. RATING SHALL MATCH FLOOR BEING PENETRATED. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR RATINGS.
	2 POST FREESTANDING EQUIPMENT RACK. SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.
	4 POST FREESTANDING EQUIPMENT RACK. SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.
	BASKET TRAY SIZE AND LOCATION AS SHOWN ON DRAWINGS AND SPECS.
	TELECOMMUNICATIONS GROUND BUSS BAR (TGB) - 1/4" X 4" X 12", CPI PART # 40153-012 OR EQUAL

VOICE/DATA SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

= DESIGNATES CABLE/JACK COUNT FOR DEVICE

SYMBOL	DESCRIPTION	MTG. HEIGHT U.N.O. (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
PMM/#D	COMBINATION PHYSIOLOGICAL MONITORING NETWORK & HOSPITAL DATA NETWORK OUTLET	18" AFF
W OR W	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE. PROVIDE DOUBLE GANG BACK, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.	48" AFF
W OR W	VOICE AND/OR DATA OUTLET, WALL PHONE STYLE FACEPLATE, 1 VOICE/DATA CABLE. MOUNTED ABOVE COUNTER. PROVIDE DOUBLE GANG BACK, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.	42" AFF
	ABOVE COUNTER OUTLET, #=CABLE QUANTITY, MOUNTED ABOVE THE COUNTERTOP. PROVIDE DOUBLE GANG BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.	42" AFF
	FLOOR MOUNTED OUTLET, #=CABLE QUANTITY. REFER TO ELECTRICAL (E) SHEETS FOR ADDITIONAL ROUGH IN REQUIREMENTS.	FLOOR
	CEILING MOUNTED OUTLET, #=CABLE QUANTITY. OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS AND LEAVE A MINIMUM 25 FEET COILED AT THE LOCATION.	ABOVE ACCESSIBLE CEILING
WAP #	DATA OUTLET FOR WIRELESS ACCESS POINT DEVICE. #=CABLE QUANTITY. OUTLET TO BE HOUSED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS WITH A MINIMUM 25 FEET COILED AT THE DEVICE LOCATION. CONTRACTOR SHALL RELOCATE OUTLETS AND MOUNT DEVICE PER OWNER'S IT WIRELESS SURVEY.	ABOVE ACCESSIBLE CEILING
TELE #	WIRELESS TELEMETRY MONITORING OUTLET. #=CABLE QUANTITY. OUTLET TO BE LOCATED ABOVE ACCESSIBLE CEILING SPACE. CABLE TO LOCATION SHOWN ON THE FLOOR PLANS AND LEAVE A MINIMUM 25 FEET COILED AT THE OUTLET LOCATION. ROUTE OTHER END TO NEAREST TELEMETRY BACKBOARD LOCATION, LEAVING A MINIMUM 15 FEET COILED UP.	ABOVE ACCESSIBLE CEILING
RTLS #	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 COMBONATION OUTLET, #=OUTLET/CABLE QUANTITY, PROVIDE DOUBLE GANG DEVICE BACK BOX, 2 1/8" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.
3. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF OUTLETS FOR TELEVISIONS, INFO. MONITORS, DIGITAL SIGNAGE, AND/OR OTHER WALL MOUNTED MONITORS WITH VENDOR PROVIDED MOUNTING BRACKET PRIOR TO ROUGH IN.
4. 48" AFF INDICATES TO TOP OF DEVICE;
   18" AFF INDICATES TO CENTER OF DEVICE;
   60" AFF INDICATES TO BOTTOM OF DEVICE;
   80" AFF INDICATES TO BOTTOM OF DEVICE;
   ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.
5. SOME DEVICES MAY HAVE SPECIAL DESCRIPTORS CALLING OUT EQUIPMENT SERVED BY OUTLET. SEE ABBREVIATIONS FOR ADDITIONAL REFERENCE.

TELEVISION/MONITOR SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR ON ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	BACK BOX	MTG. HEIGHT UNO (NOTE 1)
TRK/#D	TRACKER MONITOR: #=CABLE QUANTITY	D	NOTE 2
INFO/#D	INFORMATION MONITOR: #=CABLE QUANTITY	D	NOTE 2
MON/PM#	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
	SECURITY MONITOR: ONE DATA CABLE	A	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
TV/4	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 CATV EQUIPMENT AND CONNECTIONS. REFER TO CONTRACT DRAWINGS FOR EXACT LOCATION OF TVJ.	N/A	N/A

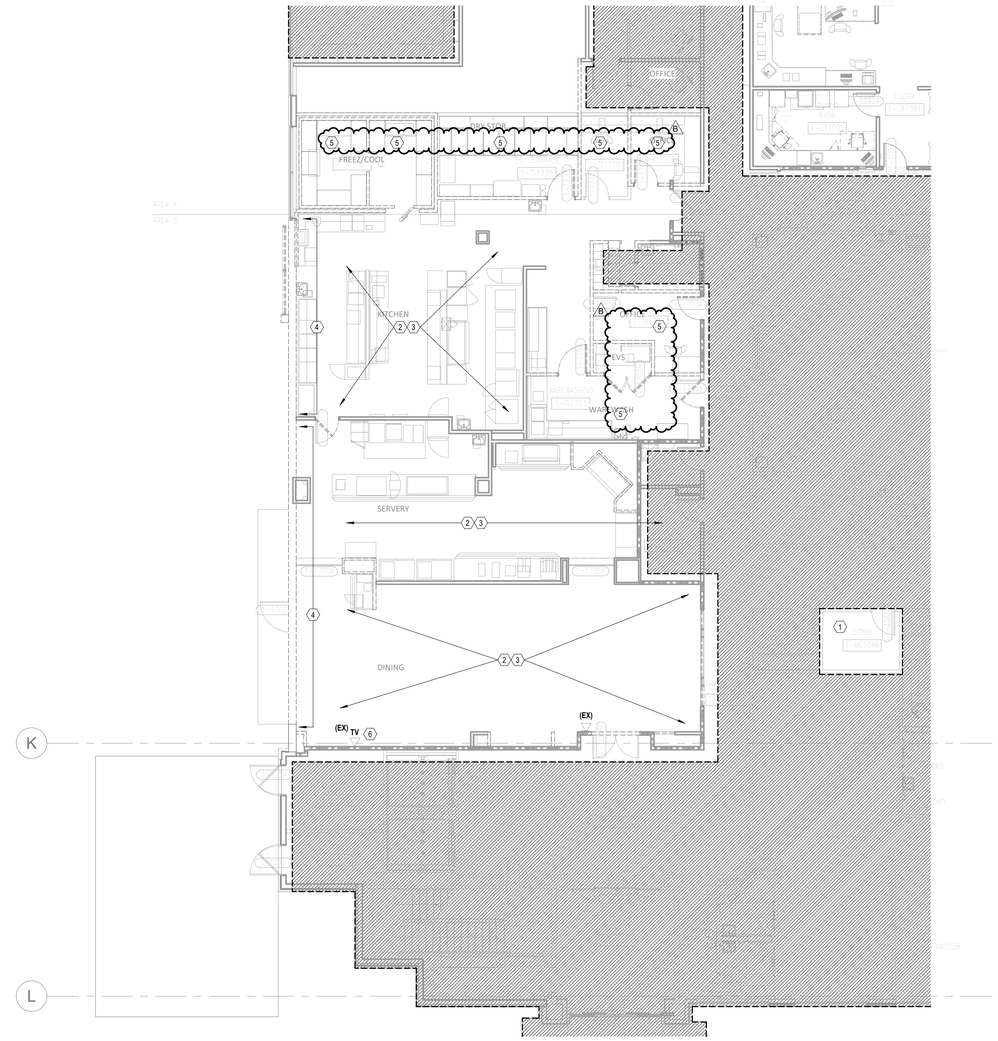
TELEVISION ROUGH IN LEGEND

SYMBOL	DESCRIPTION
A	DOUBLE GANG BACK BOX, 2 1/2" DEEP, WITH SINGLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
B	DOUBLE GANG BACK BOX, 2 1/2" DEEP, WITH DOUBLE GANG DEVICE COVER AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE.
C	TRIPLE GANG BACK BOX, 2 1/2" DEEP AND 1" CONDUIT PATHWAY STUBBED ABOVE ACCESSIBLE CEILING SPACE. POWER AND LOW VOLTAGE OUTLET SHALL SHARE SAME BACK BOX. CONTRACTOR TO PROVIDE VOLTAGE PARTITION WITHIN BACK BOX.
D	ARLINGTON RECESSED AV BOX (PART # TVBS507). PROVIDE (1) 1" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.
E	ARLINGTON RECESSED AV BOX (PART # TVBS613). PROVIDE (1) 1" CONDUIT PATHWAY STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.

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

TECHNOLOGY GENERAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR PROPOSAL AND BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED, AND CORRELATE THEIR SITE OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. INCONSISTENCIES DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER AT ONCE, BEFORE SUBMITTAL OF BID PROPOSAL.
2. ALL COMMUNICATIONS PRODUCTS AND INSTALLATIONS SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MATERIALS AND METHODS FOR COMMUNICATIONS CONSTRUCTION.
3. 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.
4. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM.
5. UNLESS OTHERWISE NOTED ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND U.L. LISTED OR LABELED. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND LISTINGS OR LABELING REQUIREMENTS AND RESTRICTIONS. PROVIDE SUBMITTAL DATA AS DEPICTED IN THE COMMUNICATIONS SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL OF ALL COMMUNICATIONS MATERIALS PROPOSED TO BE PROVIDED UNDER THIS CONTRACT. ANY DEVIATIONS FROM ITEMS SPECIFIED SHALL BE CLEARLY IDENTIFIED AND APPROVED. NO WORK IS AUTHORIZED WITHOUT SHOP DRAWINGS REVIEWED BY ENGINEER.
7. REFER TO AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND EQUIPMENT.
8. REFER TO AND COORDINATE WITH DIVISION 23 AND 26 FOR THE LOCATION OF ALL ITEMS LOCATED IN THE CEILING INCLUDING, BUT NOT LIMITED TO SUPPLY-AIR DIFFUSERS, RETURN-AIR DIFFUSERS AND FIRE SPRINKLER HEADS.
9. ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE MADE IN ACCORDANCE WITH U.L. 483 "FIRE RESISTANCE DIRECTORY". PENETRATIONS SHALL BE SLEEVED AND SEALED WITH A UL APPROVED FIRE RATED SEALANT. REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR FIRE RATED WALL LOCATIONS.
10. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL OUTAGES WITH OWNER'S REPRESENTATIVE.
11. CONTRACTOR SHALL WARRANTY WORK FOR ONE (1) YEAR FROM THE COMPLETION OF THE PROJECT AND PROVIDE OWNER WITH AS-BUILT DRAWINGS.
12. 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 AND/OR DEVICES OF A PARTICULAR MANUFACTURER WHETHER INDICATED OR NOT. THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, EQUIPMENT AND DEVICES PROPOSED FOR USE ON THIS PROJECT ARE WITHIN THE CONSTRAINTS OF THE ALLOCATED SPACE.
13. ALL EMPTY CONDUIT SYSTEMS SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.
14. DEVICES LOCATED WITHIN MECHANICAL/ELECTRICAL SPACES AND/OR CENTRAL UTILITY PLANT SHALL BE INSTALLED IN CONDUIT PATHWAYS FROM DEVICE LOCATION TO ACCESSIBLE CEILING SPACE WITHIN THE NEAREST CORRIDOR OR DIRECTLY TO IDF ROOM. CONDUIT PATHWAY MAY BE COMBINED INTO A JUNCTION POINT AND ROUTED THROUGH LARGER CONDUIT WHERE APPLICABLE. CONDUITS SHALL BE SIZED AT 40% FILL CAPACITY AT TIME OF INSTALLATION.
15. COMMUNICATIONS/LOW-VOLTAGE/SECURITY CABLING SHALL BE RATED FOR THE ENVIRONMENT THAT IT IS TO BE INSTALLED (CMP - PLENUM RATED SPACES, CMR - NON-PLENUM RATED SPACES, OUTDOOR RATED CABLING, ETC.) WHERE APPLICABLE.
16. ALL UNDER SLAB OR IN-SLAB CONDUITS SHALL BE INSTALLED IN A MANNER THAT PREVENTS WATER INFILTRATION OF THE CONDUIT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GROUND WATER, RAIN WATER OR CONSTRUCTION WATER IS PREVENTED FROM ENTERING AND/OR REMOVED FROM THE CONDUITS PRIOR TO PLACEMENT OF COMMUNICATIONS CABLES. SEE ELECTRICAL SPECIFICATIONS, DETAILS AND PLANS FOR ADDITIONAL CONDUIT SEALING REQUIREMENTS.
17. ALL CONDUIT STUBS AND/OR EMT SLEEVES SHALL BE FITTED WITH PLASTIC PROTECTIVE BUSHINGS. BUSHINGS SHALL BE RATED FOR THE ENVIRONMENT THEY ARE TO BE INSTALLED.
18. ALL COMMUNICATIONS/LOW-VOLTAGE/SECURITY CONDUITS SIZED 2" OR LARGER SHALL HAVE A MINIMUM BEND RADIUS OF 10:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS. ALL CONDUIT 2" OR SMALLER SHALL HAVE A MINIMUM BEND RADIUS OF 6:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS.
19. CONDUITS 2" AND SMALLER GENERALLY DO NOT APPEAR ON DRAWINGS EXCEPT FOR SPECIFIC CONDITIONS, BUT ARE REQUIRED. REFER TO CONTRACT DOCUMENTS (INCLUDING SCHEDULES, SHEET NOTES, DETAILS AND SPECIFCATIONS) FOR ADDITIONAL INFORMATION.
20. SPACE ALLOCATIONS FOR MATERIALS, EQUIPMENT AND DEVICES HAVE BEEN MADE ON THE BASIS OF PR



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

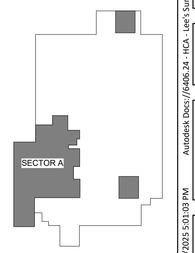
GENERAL NOTES:

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 HAVE BEEN TAKEN FROM DESIGN DRAWING 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.
D. WHERE EXISTING WALLS ARE BEING DEMOLISHED, REMOVE ALL EXISTING COMMUNICATIONS/ LOW VOLTAGE DEVICES AND THEIR ASSOCIATED CONDUITS, BACKBOXES AND CABLING BACK TO POINT OF ORIGINATION. EXISTING CABLING PASSING THROUGH DEMO AREA, NOT BEING DEMOLISHED, SHALL BE SUPPORTED UTILIZING J-HOOK CABLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
E. 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.
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 OCCURED. CONTRACTOR SHALL OBTAIN WRITTEN ACCEPTANCE OF RESTORATION FROM OWNER. IF DEMOLITION IS REQUIRED TO INSTALL AN ITEM, THE CONTRACTOR SHALL RESTORE THE AREA TO PREVIOUS CONDITION, OR REPLACE DAMAGED ITEMS WITH NEW ITEMS TO MATCH EXISTING.
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 ALARMING AND LOCKDOWN OF DEMOLITION AREA.

LEGEND NOTES

1. LOCATION OF EXISTING COMMUNICATIONS IDF ROOM CURRENTLY SERVIING AREA. CONTRACTOR SHALL COORDINATE WITH OWNER'S IT&S PERSONNEL TO CLEAN UP ROOM AND CLEAR UP ADDITIONAL SPACE FOR NEW DEVICE TERMINATIONS AND EQUIPMENT. ALL DEMOLISHED CABLING SHALL BE REMOVED TO POINT OF ORIGINATION.
2. DOCUMENT EXISTING LOCATIONS OF ALL CEILING DEVICES WITHIN THIS AREA. REMOVE, CLEAN, STORE AND PROTECT EXISTING CABLING IN PLACE. AFTER NEW CEILING HAS BEEN INSTALLED, CONTRACTOR SHALL REINSTALL EXISTING DEVICES INTO NEW CEILINGS AT PREVIOUSLY DOCUMENTED LOCATIONS. REPLACE DAMAGED DEVICES AND HARDWARE AS REQUIRED.
3. EXISTING WALL DEVICES SHALL BE REMOVED FROM WALLS AND CABLING PROTECTED IN PLACE TO ALLOW NEW WALL COVERING. CONTRACTOR SHALL PROVIDE NEW DEVICE PLATES AND REINSTALL TO WALLS AT PREVIOUS LOCATIONS.
4. EXISTING WALL MOUNTED DEVICES AND ASSOCIATED CABLING, CONDUIT AND BACKBOXES WITHIN WALL/AREA SHALL BE DEMOLISHED TO POINT OF ORIGINATION. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY J-HOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
5. EXISTING WALL MOUNTED AND CEILING DEVICES AND ASSOCIATED CABLING, CONDUIT AND BACKBOXES WITHIN WALL/AREA SHALL BE DEMOLISHED TO POINT OF ORIGINATION. EXISTING CABLING ROUTING THROUGH THIS AREA THAT IS NOT TO BE DEMOLISHED SHALL BE SUPPORTED BY J-HOOK STYLE SUPPORTS INSTALLED PER DIVISION 27 SPECIFICATIONS.
6. EXISTING TELEVISION OUTLET BOX SHALL BE REPLACED WITH NEW ARLINGTON AV BACKBOX AT THIS LOCATION. RELOCATE EXISTING TELEVISION COAX AND POWER AS REQUIRED. ADD AN ADDITIONAL NETWORK OUTLET TO THIS LOCATION.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
ANDY SUSAN WHEELER
NUMBER PE-2010022128
PROFESSIONAL ENGINEER
02/06/2025
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

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

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

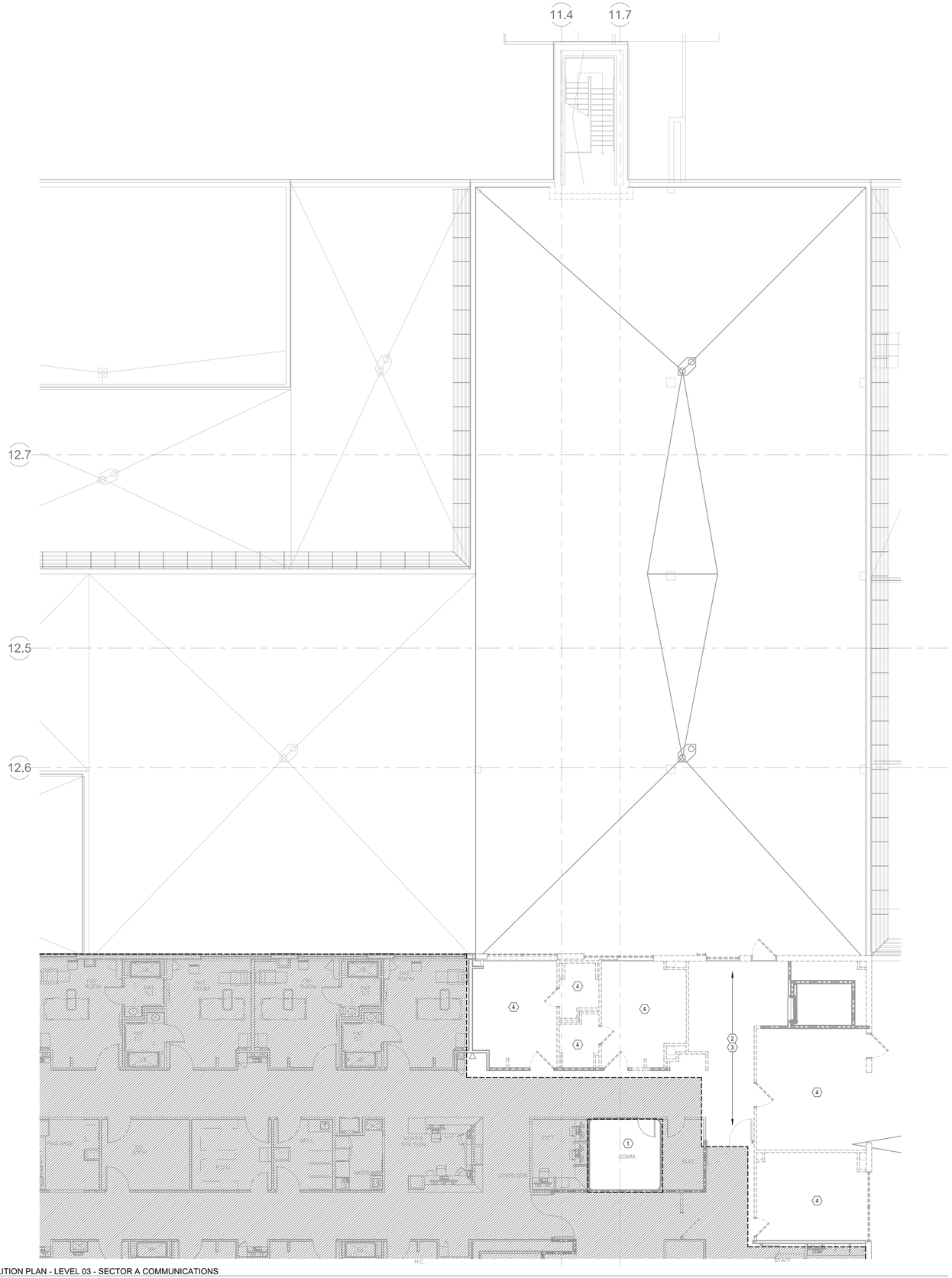
DEMOLITION PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - COMMUNICATIONS

TD02-01

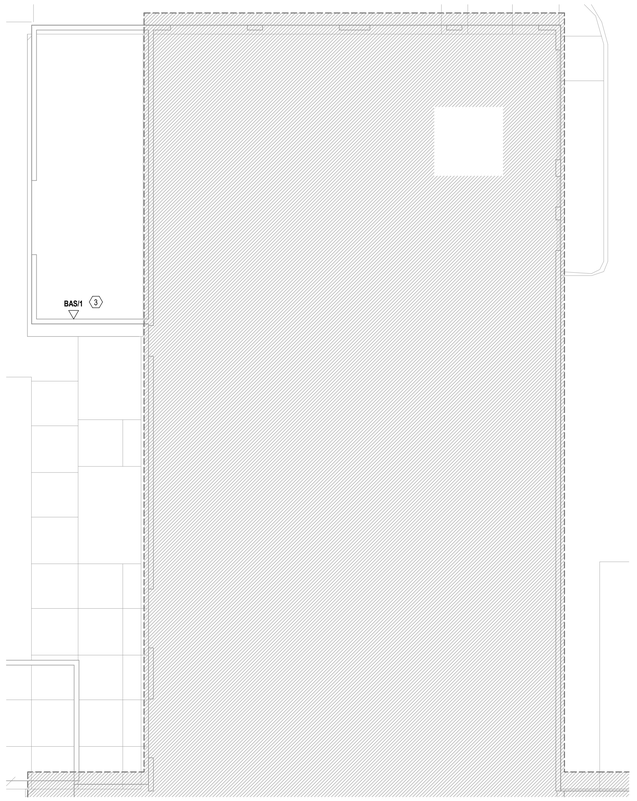
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
1/29/2025 5:01:03 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025


11.4
11.7
12.7
12.5
12.6
COMM
MEP
MEP
MEP

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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

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

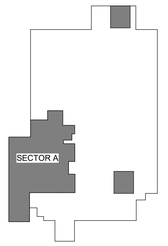
GENERAL NOTES:

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

LEGEND NOTES

1. LOCATION OF EXISTING COMMUNICATIONS IDF ROOM. ALL WORK WITHIN THIS ROOM SHALL BE COORDINATED WITH OWNER'S IT&S PERSONNEL PRIOR TO ROUGH IN.
2. INSTALL NETWORK CONNECTION TO EXISTING TELEVISION DEVICE OUTLET CURRENTLY AT THIS LOCATION.
3. PROVIDE NETWORK OUTLET FOR BAS SYSTEM EQUIPMENT AT THIS APPROXIMATE LOCATION. COORDINATE EXACT PLACEMENT OF OUTLET WITH SYSTEM INSTALLATION VENDOR PRIOR TO ROUGH IN. CABLING SHALL BE ROUTED WITHIN CONDUIT PATHWAY FROM ACCESSIBLE CEILING SPACE WITHIN CORRIDOR TO BAS PANEL. CABLING SHALL ORIGINATE FROM NEAREST IDF ROOM.
4. PROVIDE NETWORK OUTLET FOR CEILING MOUNTED MENU MONITOR. COORDINATE EXACT OUTLET LOCATION AND ROUGH IN REQUIREMENTS WITH OWNER PROVIDED EQUIPMENT INSTALLATION CONTRACTOR PRIOR TO ROUGH IN.

LEVEL 1 - KEYPLAN



Devenney GROUP
Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

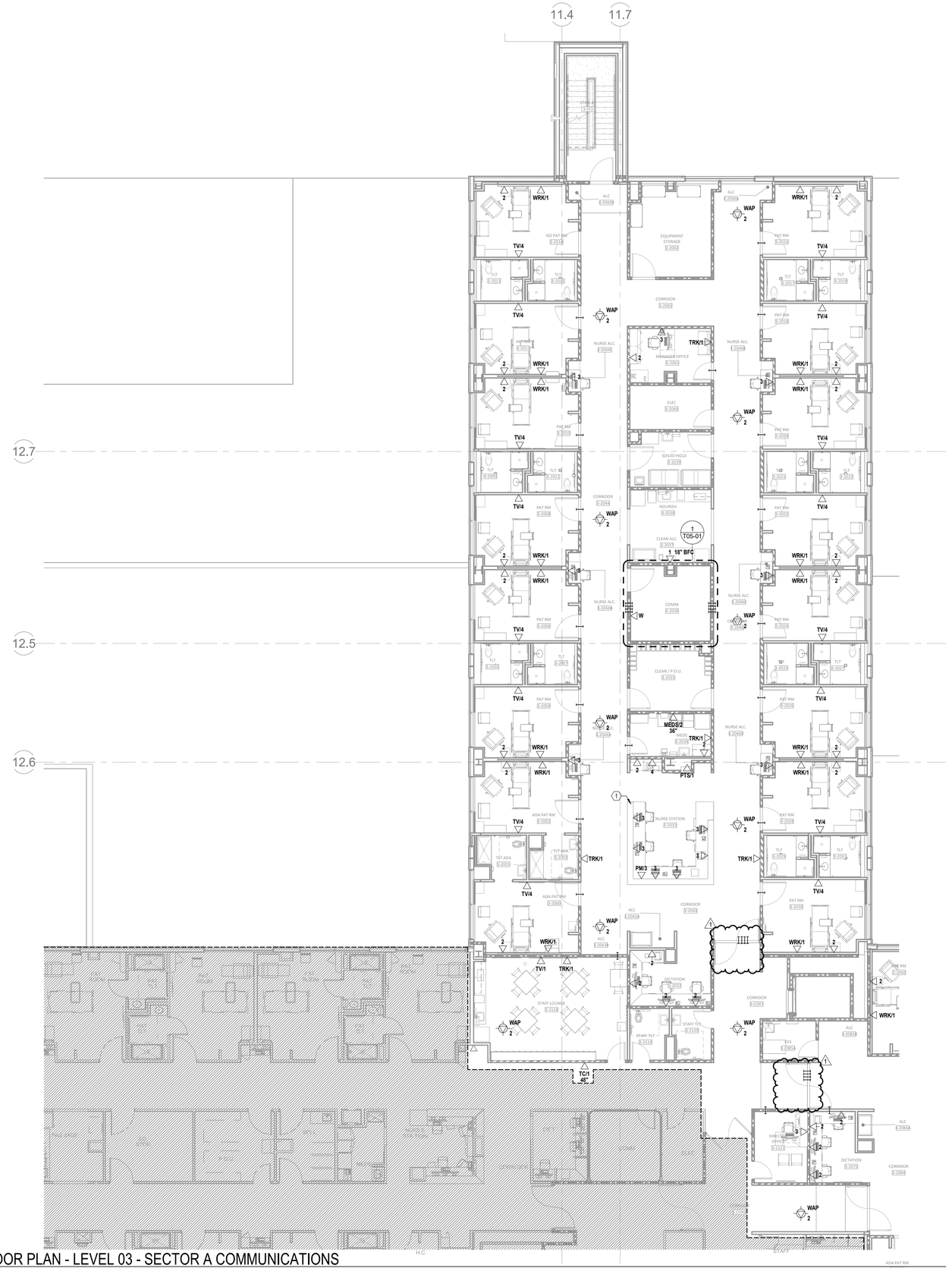
FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - COMMUNICATIONS

T02-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:45:35 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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

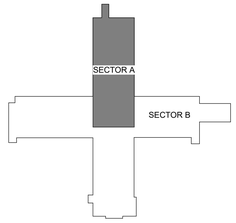
GENERAL NOTES:

A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL DEVICES.
B. REFER TO SHEET T00-00 FOR GENERAL NOTES AND SYMBOLS APPEARING ON THIS SHEET.
C. ALL DEVICES WITHIN ROOMS CONTAINING HARD PAN CEILINGS SHALL HAVE CONDUITS ROUTED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
D. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90-DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS. IF THERE IS REVERSE BEND IN THE SECTION, A PULL POINT SHALL BE INSTALLED. PULL BOXES SHALL NOT BE USED IN LIEU OF BENDS. THE INSIDE RADIUS OF ALL CONDUIT BENDS SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING INSTALLATION. NO DAISY CHAINING OF BACK BOXES ALLOWED UNLESS OTHERWISE NOTED.
E. ALL CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING SPACE USING LOW-VOLTAGE SUPPORTS SIZED AT 40% FILL BASED ON CURRENT NEEDS.
F. ALL CABLING SHALL ORIGINATE FROM NEW COMM RM 3-2036.

LEGEND NOTES

1. PROVIDE (1) 2" AND (1) 1" EMT CONDUIT PATHWAY FROM WITHIN THE MILLWORK TO ABOVE ACCESSIBLE CEILING SPACE. CONDUIT PATHWAY SHALL NOT CONSIST OF FLEXIBLE CONDUIT. EMPTY CONDUIT PATHWAY SHALL CONTAIN A PULL STRING.

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
MINDY SUSAN WHEELER
NUMBER PE-2017045126
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

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

FLOOR PLAN - LEVEL 03 - SECTOR A COMMUNICATIONS

T02-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt
7/3/2025 1:18:44 PM

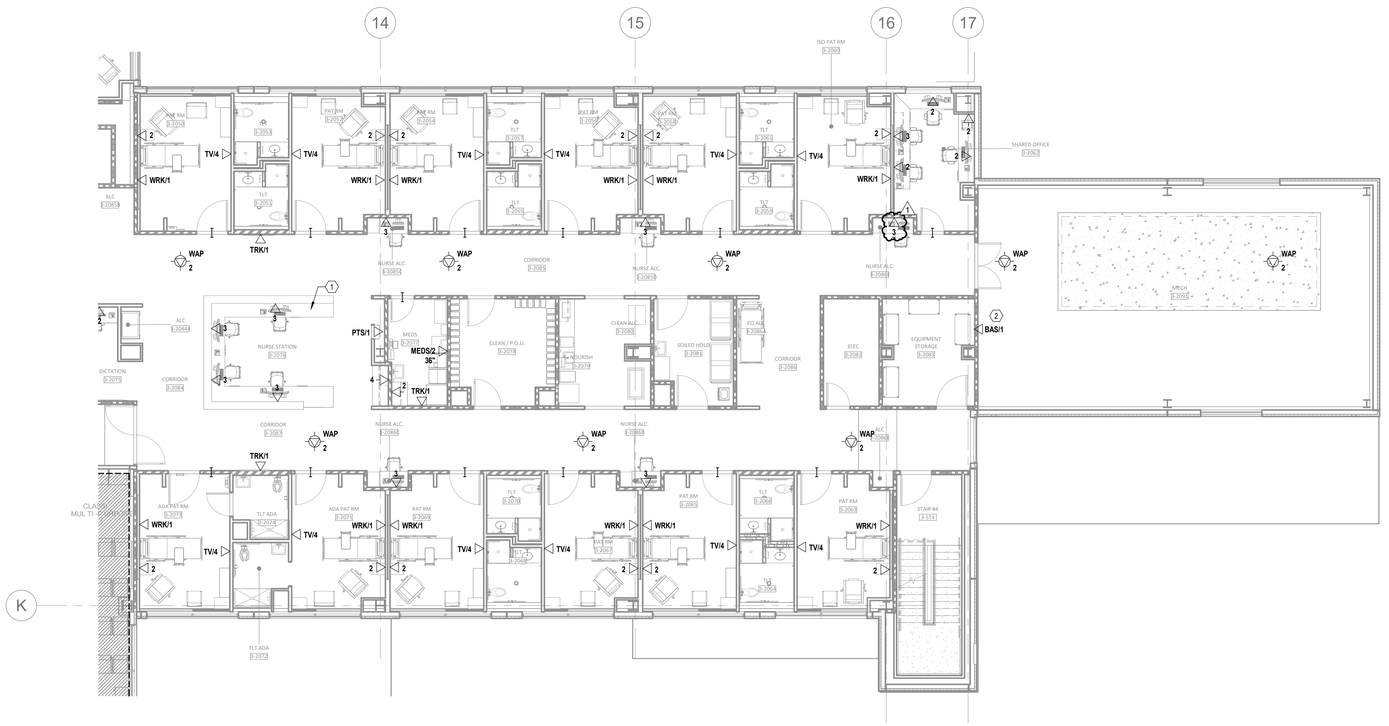
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

GENERAL NOTES:

A. REFER TO AND COORDINATE WITH ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATIONS OF ALL DEVICES.
B. REFER TO SHEET T00-00 FOR GENERAL NOTES AND SYMBOLS APPEARING ON THIS SHEET.
C. ALL DEVICES WITHIN ROOMS CONTAINING HARD PAN CEILINGS SHALL HAVE CONDUITS ROUTED TO ABOVE ACCESSIBLE CEILING SPACE IN CORRIDOR.
D. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAN 100 FEET BETWEEN PULL POINTS. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90-DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS. IF THERE IS REVERSE BEND IN THE SECTION, A PULL POINT SHALL BE INSTALLED. PULL BOXES SHALL NOT BE USED IN LIEU OF BENDS. THE INSIDE RADIUS OF ALL CONDUIT BENDS SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING INSTALLATION. NO DAISY CHAINING OF BACK BOXES ALLOWED UNLESS OTHERWISE NOTED.
E. ALL CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING SPACE USING LOW-VOLTAGE SUPPORTS SIZED AT 40% FILL BASED ON CURRENT NEEDS.
F. ALL CABLING SHALL ORIGINATE FROM NEW COMM RM 3-2036.

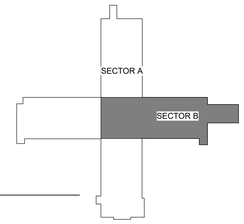
(#) LEGEND NOTES

1. PROVIDE (1) 2" AND (1) 1" EMT CONDUIT PATHWAY FROM WITHIN THE MILLWORK TO ABOVE ACCESSIBLE CEILING SPACE. CONDUIT PATHWAY SHALL NOT CONSIST OF FLEXIBLE CONDUIT. EMPTY CONDUIT PATHWAY SHALL CONTAIN A PULL STRING.
2. PROVIDE NETWORK OUTLET FOR BAS SYSTEM EQUIPMENT AT THIS APPROXIMATE LOCATION. COORDINATE EXACT PLACEMENT OF OUTLET WITH SYSTEM INSTALLATION VENDOR PRIOR TO ROUGH IN. CABLING SHALL BE ROUTED WITHIN CONDUIT PATHWAY FROM ACCESSIBLE CEILING SPACE WITHIN CORRIDOR TO BAS PANEL. CABLING SHALL ORIGINATE FROM NEAREST IDF ROOM.



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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
MINDY SUSAN WHEELER
NUMBER PE-2017040126
PROFESSIONAL ENGINEER
07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

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

FLOOR PLAN - LEVEL 03 - SECTOR B COMMUNICATIONS

T02-03B

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.

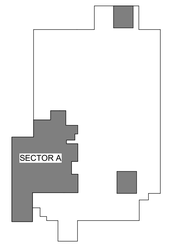
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ryt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/3/2025 1:18:49 PM

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

GENERAL NOTES:

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

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

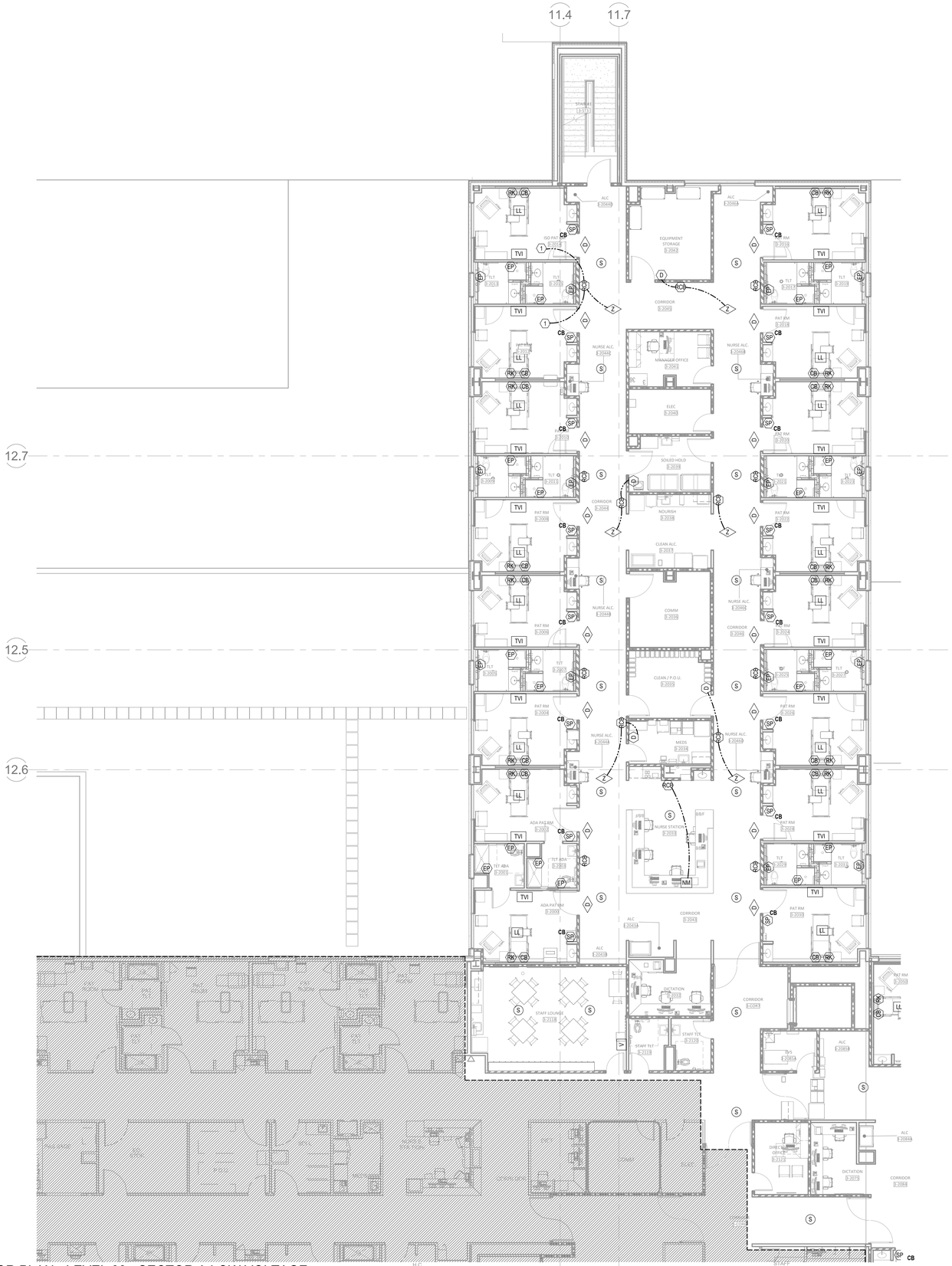
FLOOR PLAN - LEVEL 1 - SECTOR A - KITCHEN, SERVERY & DINING - LOW VOLTAGE

T03-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:45:53 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



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

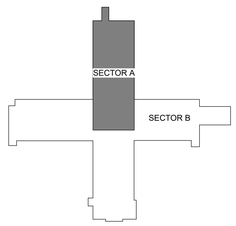
GENERAL NOTES:

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

LEVEL 3 - KEY PLAN



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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007046533
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 03 - SECTOR A LOW VOLTAGE

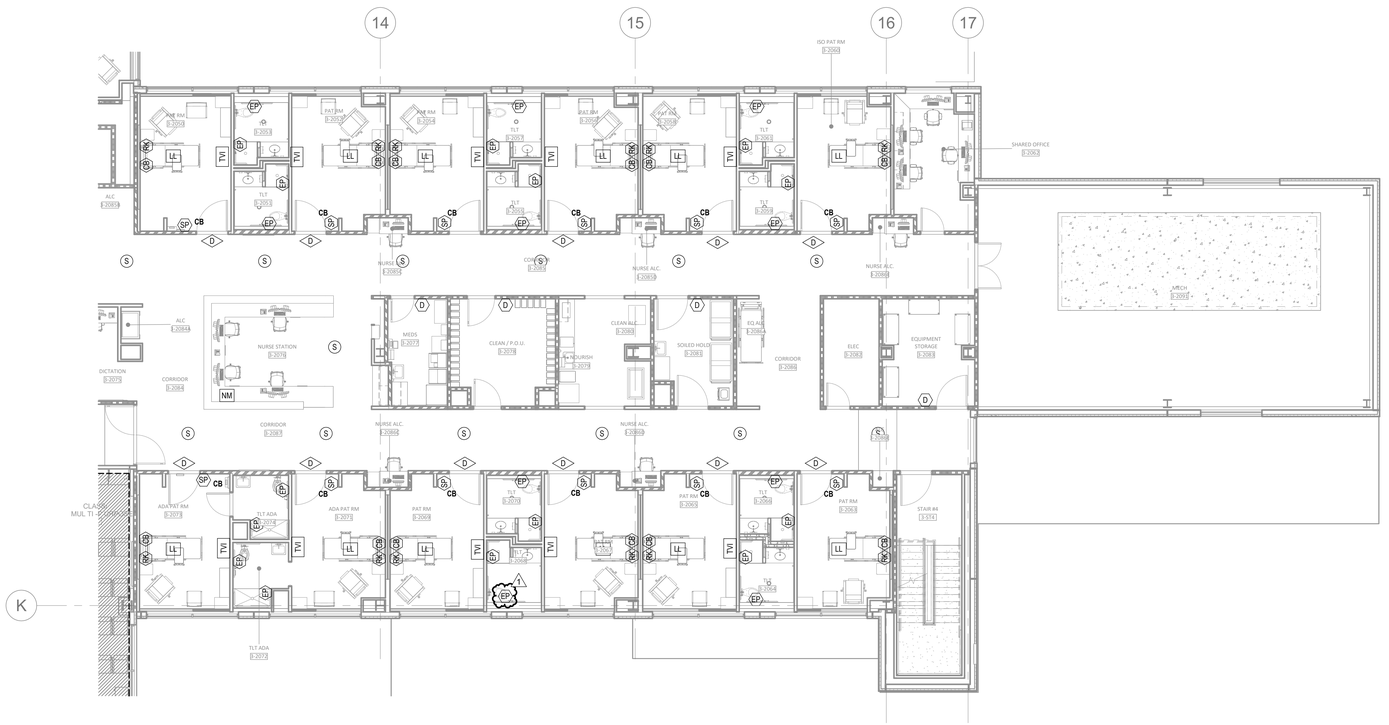
T03-03A

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:45:58 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

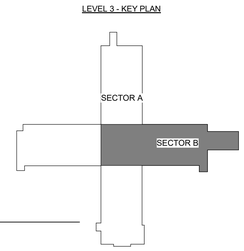
GENERAL NOTES:

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



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

LEVEL 3 - KEY PLAN



Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

07/11/2025
WSP USA Buildings Inc. 2013001681

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE
1	DESIGN COORDINATION	2025/06/06

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

FLOOR PLAN - LEVEL 03 - SECTOR B LOW VOLTAGE

T03-03B

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
7/3/2025 1:18:52 PM

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

1/8" = 1'-0"

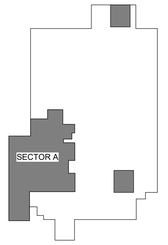
GENERAL NOTES

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.
E. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAT 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 26 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" MT 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.

LEGEND NOTES

1. PROVIDE IP/ POE NETWORK INFRASTRUCTURE FOR VENDOR PROVIDED/ INSTALLED VIDEO SURVEILLANCE CAMERA. COORDINATE LOCATION & REQUIREMENTS WITH VENDOR PRIOR TO ROUGH-IN.

LEVEL 1 - KEYPLAN



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER

12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

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

T04-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:46:07 PM

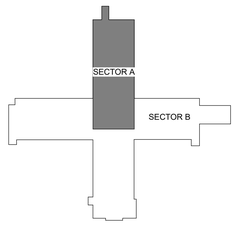
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

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.
E. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAT 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 26 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" MT 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.

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WSP USA Buildings Inc. 2013001881

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040123
PROFESSIONAL ENGINEER
12/05/2024

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

FLOOR PLAN - LEVEL 03 - SECTOR A SECURITY

T04-03A

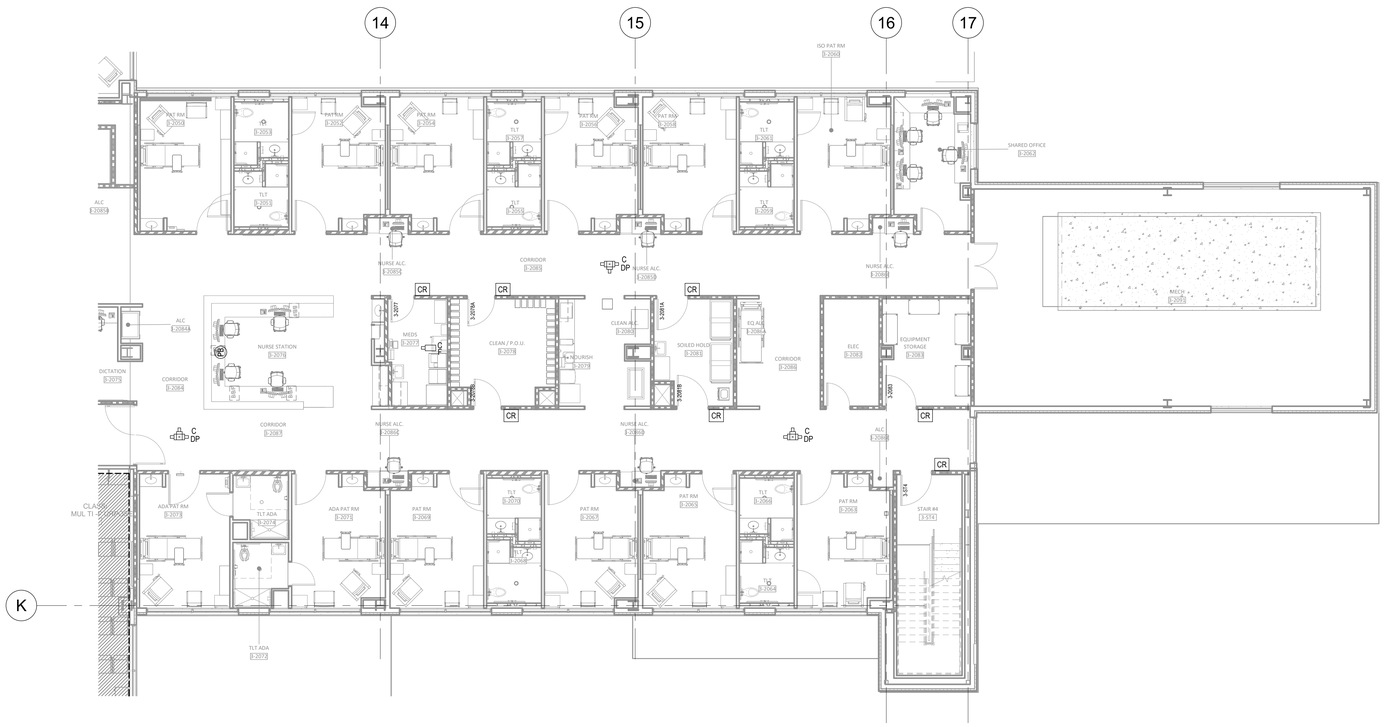
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:46:16 PM

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

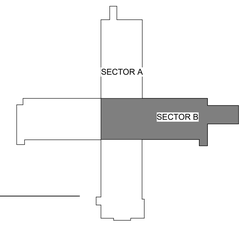
GENERAL NOTES

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.
E. COMMUNICATIONS CONDUIT PATHWAYS SHALL NOT CONTAIN ANY LENGTH GREATER THAT 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 26 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" MT 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.



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

LEVEL 3 - KEY PLAN



Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

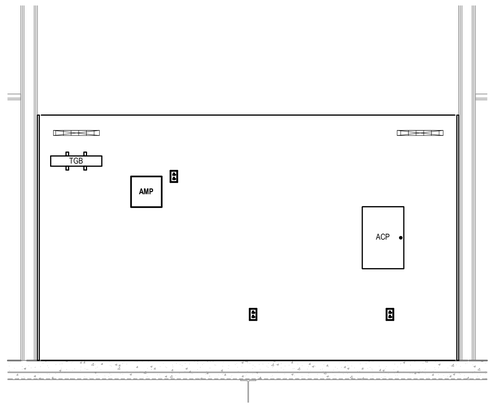
DATE:	2024/12/03
SCALE:	1/8" = 1'-0"
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

FLOOR PLAN - LEVEL 03 - SECTOR B SECURITY

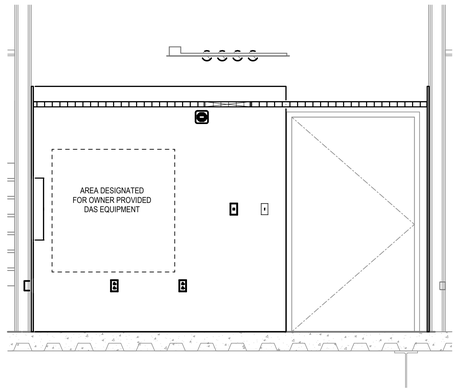
T04-03B

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.

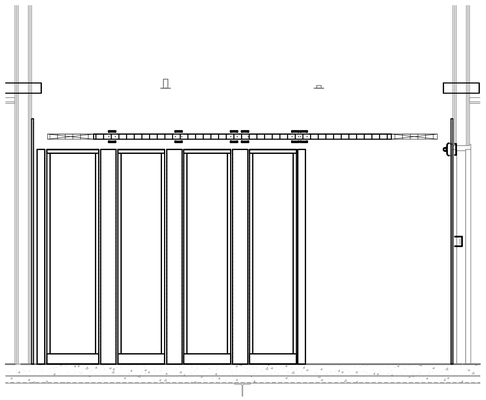
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:46:22 PM



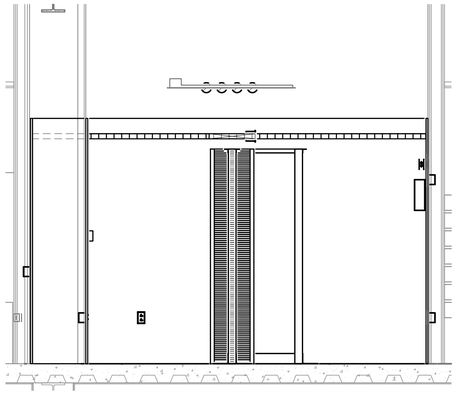
7 COMM 3-2036 - ELEVATION 5
1/2" = 1'-0"



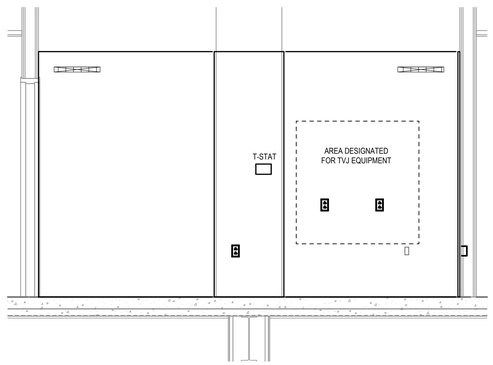
6 COMM 3-2036 - ELEVATION 4
1/2" = 1'-0"



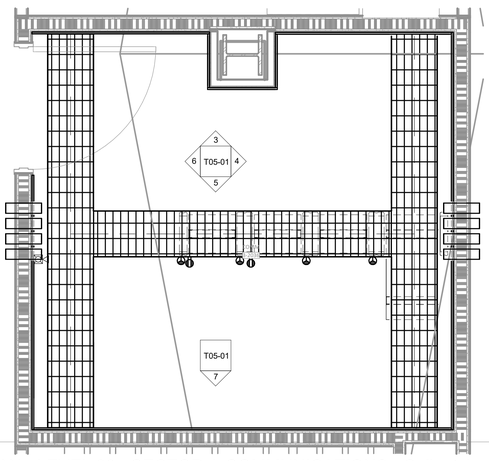
5 COMM 3-2036 - ELEVATION 3
1/2" = 1'-0"



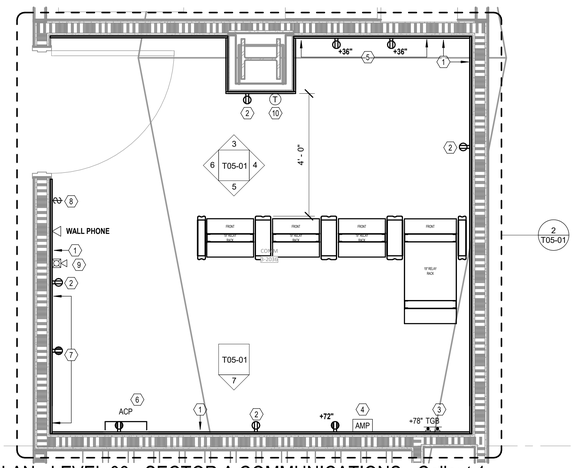
4 COMM 3-2036 - ELEVATION 2
1/2" = 1'-0"



3 COMM 3-2036 - ELEVATION 1
1/2" = 1'-0"



12.5
2 FLOOR PLAN - LEVEL 03 - SECTOR A COMMUNICATIONS - Callout 1 - Callout 1
1/2" = 1'-0"



12.5
1 FLOOR PLAN - LEVEL 03 - SECTOR A COMMUNICATIONS - Callout 1
1/2" = 1'-0"

GENERAL NOTES:

A. ALL METAL SURFACES WITHIN IDF ROOMS SHALL BE BONDED TO GROUND BUS BAR AS PER J-STD-607 STANDARDS.
B. ELECTRICAL, FIRE, SAFETY AND MECHANICAL DEVICES ARE SHOWN FOR LOCATING PURPOSES ONLY. REFER TO ELECTRICAL AND MECHANICAL SHEETS FOR ADDITIONAL DETAILS.
C. NO SPRINKLER HEADS OR PIPING SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRONIC EQUIPMENT RACKS IN THE IDF/COMM ROOMS. CAGES 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.
D. PENETRATION INTO CORRIDORS SHALL BE POSITIONED 6" ABOVE THE ASSOCIATED CORRIDOR CABLE TRAY.
E. SYSTEMS THAT ARE NOT DIRECTLY RELATED TO THE SUPPORTING IDF/COMM ROOMS ARE NOT PERMITTED TO PASS THROUGH IDF/COMM ROOMS.
F. AIR TEMPERATURE WITHIN ROOM SHALL BE MAINTAINED BETWEEN 65 AND 76 DEGREES FAHRENHEIT, MEASURED AT THE THERMOSTAT LOCATION.
G. HUMIDITY MUST REMAIN WITHIN RANGE OF 50% TO 60%.
H. 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.
I. DATA DEVICE SCHEDULE SHOWN FOR OWNER USE ONLY. CONTRACTOR SHALL PERFORM THEIR OWN CALCULATIONS FOR BID.

(#) LEGEND NOTES:

1. PROVIDE ¾" A/C 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.
2. ELECTRICAL OUTLET ON NORMAL POWER FOR CONVENIENCE RECEPTACLE. OUTLET SHOWN FOR COORDINATION PURPOSES ONLY. OUTLET SHALL BE MOUNTED 18" AFF.
3. 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 DAISY-CHAINING OF GROUND SHALL BE PERMITTED OTHER THAN BASKET TRAY. BUS BAR SHALL BE MOUNTED AT 78" AFF.
4. LOCATION OF OVERHEAD PAGING AMPLIFIER SYSTEM EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE DUPLEX POWER OUTLET ON EMERGENCY POWER MOUNTED AT 72" AFF.
5. 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.
6. 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 ACCES CONTROL INSTALLATION CONTRACTOR.
7. AREA DESIGNATED FOR OFOI DISTRIBUTED ANTENNA SYSTEM (DAS) EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE DUPLEX POWER OUTLET ON EMERGENCY POWER MOUNTED AT 18" AFF.
8. LIGHT SWITCH SHOWN FOR COORDINATION PURPOSES ONLY.
9. FIRE ALARM STROBE SHOWN FOR COORDINATION PURPOSES ONLY.
10. THERMOSTAT DEVICE SHOWN FOR COORDINATION PURPOSES ONLY. DEVICE SHALL BE MOUNTED ON "COLD" SIDE OF EQUIPMENT CABINET/RACKS AS SHOWN.
11. PROVIDE 18"X 2" 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 MANAGERS.
12. ELECTRICAL OUTLETS, ON EMERGENCY POWER. MOUNTED TO SIDE OF BASKET TRAY. CENTER OUTLETS OVER VERTICAL WIRE MANAGEMENT BETWEEN EQUIPMENT RACKS AS SHOWN.
13. CONTRACTOR SHALL PROVIDE 4" PRE-MANUFACTURED FIRE SLEEVE DEVICES THROUGH RATED WALL FOR CABLING PATHWAY.
14. CONTRACTOR SHALL PROVIDE 24" WIDE LADDER RUNWAY (CHATSWORTH PART# 10250-724). 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.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007046133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/03
SCALE:	1/2" = 1'-0"
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

ENLARGED PLAN - TECHNOLOGY

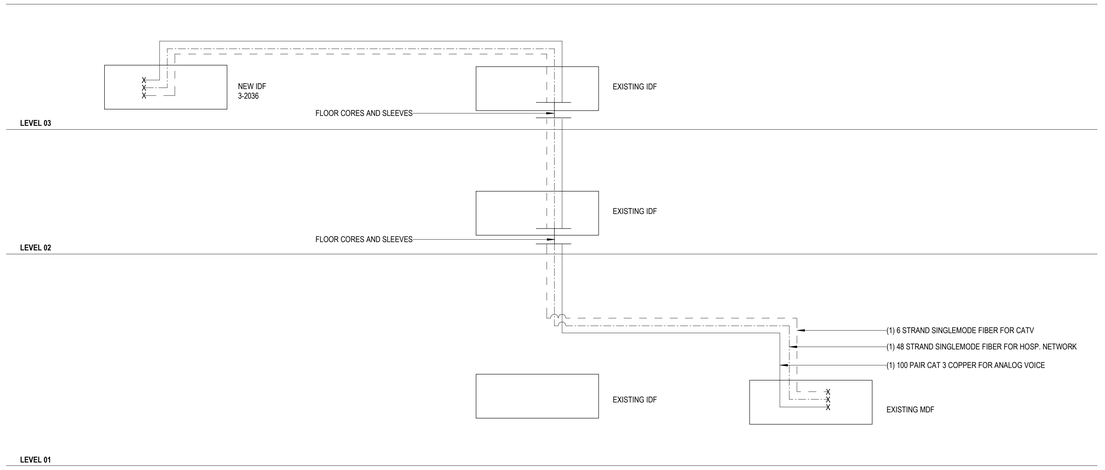
T05-01

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.

12/4/2024 5:46:28 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

HOSPITAL



1 TECHNOLOGY SYSTEMS BACKBONE RISER
1/8" = 1'-0"

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040124
PROFESSIONAL ENGINEER

12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

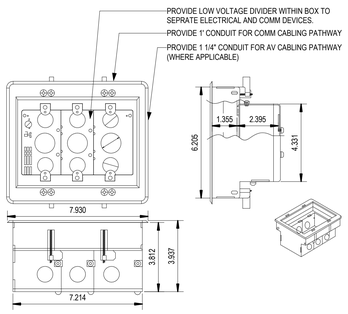
RISER DIAGRAM - TECHNOLOGY

T06-01

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_ryr23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:46:28 PM

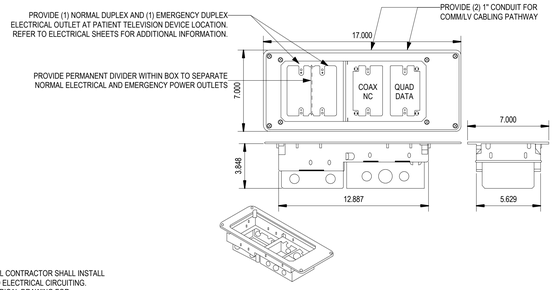
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



DETAIL NOTES:
A. DIV. 26 ELECTRICAL CONTRACTOR SHALL INSTALL AV BACKBOX AND ELECTRICAL CIRCUITING.
B. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
C. RECESSED AV BOX SHALL BE UTILIZED FOR ALL NON- CLINICAL TV, INFO. MONITOR, AND TRACKER LOCATIONS.

09 ARLINGTON RECESSED AV BOX (TVBS507) NON-CLINICAL TVS, INFO. MON., AND TRACKERS

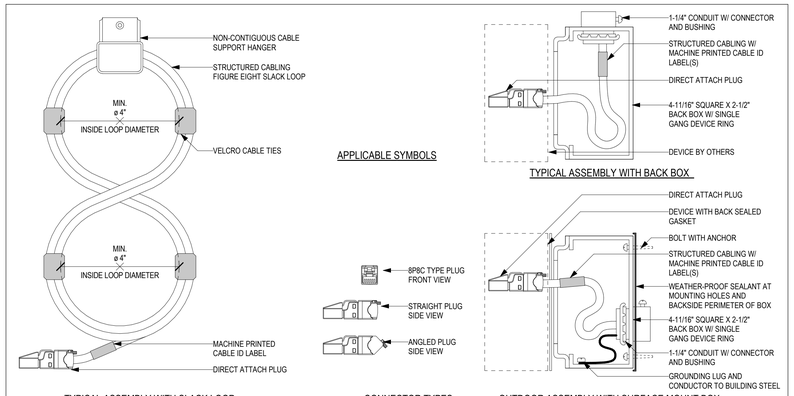
NOT TO SCALE



DETAIL NOTES:
A. DIV.26 ELECTRICAL CONTRACTOR SHALL INSTALL AV BACKBOX AND ELECTRICAL CIRCUITING.
B. REFER TO ELECTRICAL DRAWING FOR ADDITIONAL INFORMATION.
C. RECESSED AV BOX SHALL BE UTILIZED FOR ALL PATIENT ROOM TELEVISION LOCATIONS.

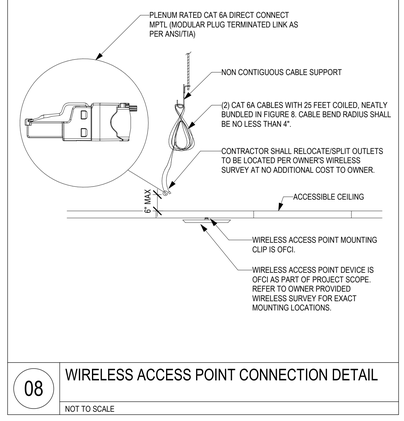
06 ARLINGTON RECESSED AV BOX (TVBS613) PATIENT TELEVISIONS

NOT TO SCALE



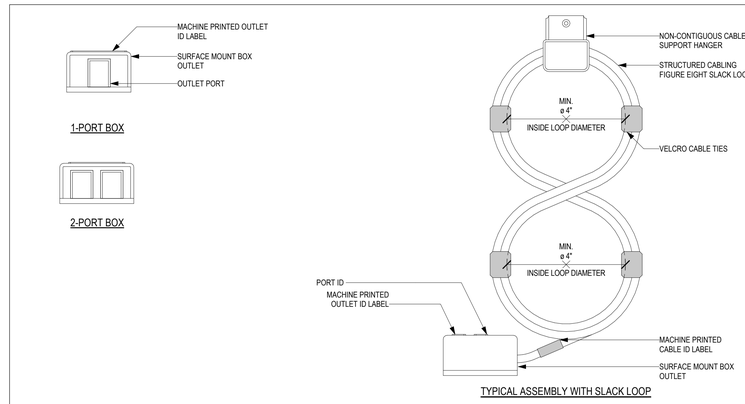
03 DIRECT ATTACH OUTLET

NOT TO SCALE



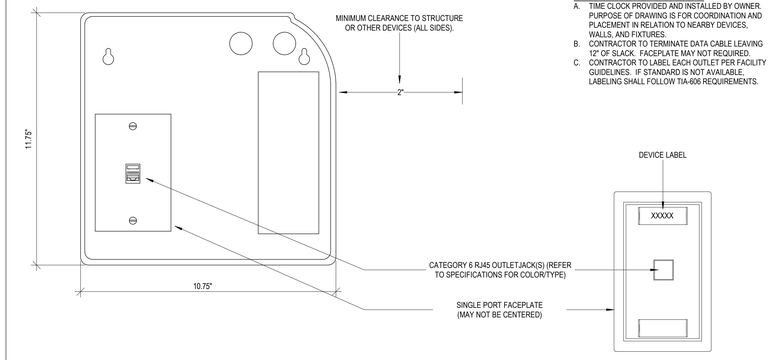
08 WIRELESS ACCESS POINT CONNECTION DETAIL

NOT TO SCALE



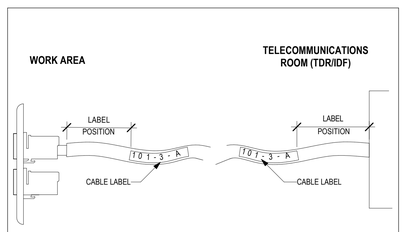
05 ABOVE CEILING OUTLET

NOT TO SCALE



02 TIMECLOCK OUTLET INSTALLATION REQUIREMENTS

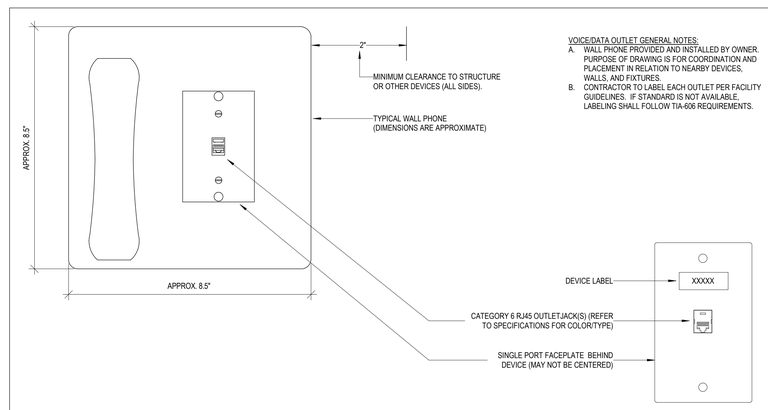
NOT TO SCALE



DETAIL NOTES:
A. CONTRACTOR SHALL COORDINATE WITH OWNER'S IT PERSONNEL FOR EXACT LABELING NOMENCLATURE PRIOR TO ROUGH IN.

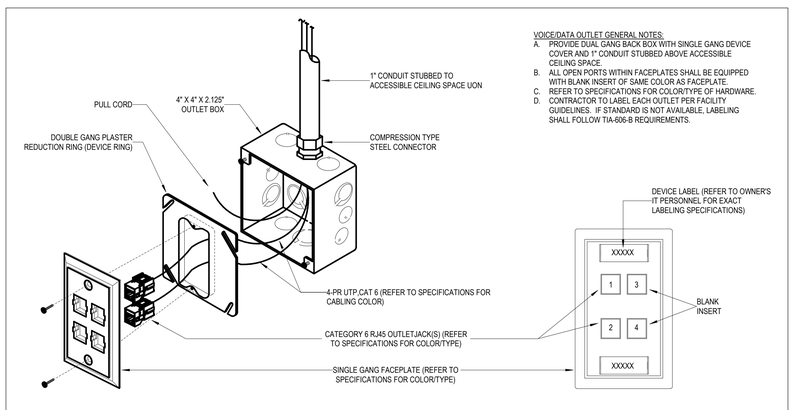
07 CABLE LABEL PLACEMENT DETAIL

NOT TO SCALE



04 WALL PHONE OUTLET INSTALLATION REQUIREMENTS

NOT TO SCALE



01 WALL MOUNTED OUTLET

NOT TO SCALE

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

Consultant:
wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2010046519
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

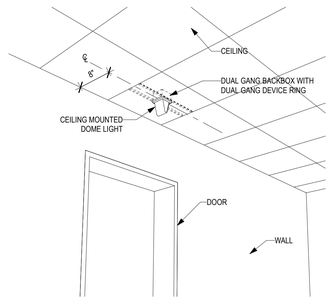
DATE:	2024/12/03
SCALE:	As indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DETAILS - TECHNOLOGY

T07-01

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.

12/4/2024 5:46:31 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

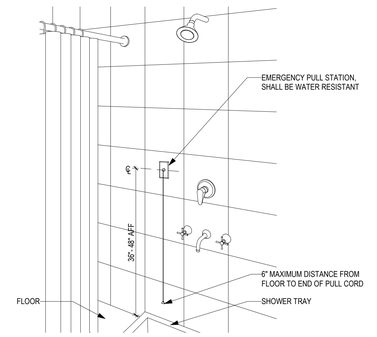


D Z

APPLICABLE SYMBOLS

08 STANDARD CEILING MOUNTED DOME LIGHT

NOT TO SCALE



EP

APPLICABLE SYMBOLS

DETAIL NOTES:

A. SHOWER STATION DEVICE SHALL BE WITHIN NORMAL VIEW OF THE USER AND WITHIN REACH OF STAFF WITHOUT THE NEED TO STEP INTO THE SHOWER OR TUB.

B. STATION SHALL BE LOCATED ON SAME WALL AS THE SHOWER HEAD TO MINIMIZE DIRECT EXPOSURE.

04 STANDARD SHOWER EMERGENCY PULL STATION

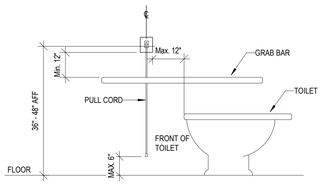
NOT TO SCALE

DETAIL NOTES:

A. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS SHALL BE MIN. 12"

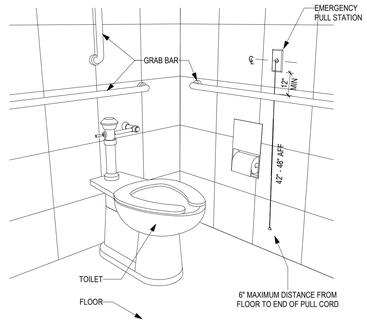
B. THE DEVICE CORD SHALL BE ACCESSIBLE TO A PATIENT LYING ON THE FLOOR.

C. BATH STATION SHALL BE LOCATED TO THE SIDE OF TOILET WITHIN 12" OF THE FRONT OF THE TOILET BOWL.



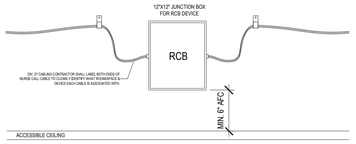
EP PA

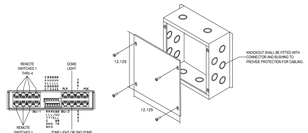
APPLICABLE SYMBOLS



03 STANDARD LAVATORY EMERGENCY PULL STATION

NOT TO SCALE





RCB

APPLICABLE SYMBOLS

DETAIL NOTES:

A. RCB JUNCTION BOX SHALL BE SURFACE MOUNTED A MINIMUM OF 6" ABOVE ACCESSIBLE CEILING SPACE.

B. RCB JUNCTION BOX SHALL BE MOUNTED IN AN ACCESSIBLE LOCATION WITHIN CORRIDOR. REFER TO FLOOR PLANS FOR SUGGESTED RCB LOCATIONS. CONTRACTOR SHALL DETERMINE BEST FIELD CONDITIONS FOR ACCESSIBILITY PRIOR TO ROUGH IN.

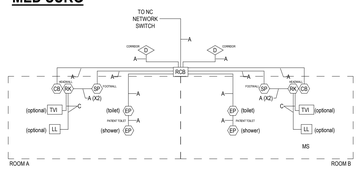
C. CONTRACTOR SHALL PROVIDE KNOCKOUTS, CONNECTORS AND BUSHINGS FOR CABLING PATHWAY INTO BACKBOX.

D. RCB DEVICE PROVIDED AND INSTALLED BY NURSE CALL SYSTEM VENDOR.

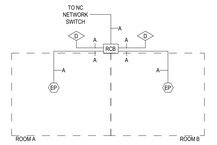
07 ROOM CONTROL BOARD (RCB)

NOT TO SCALE

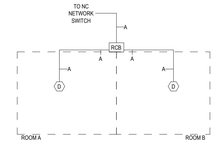
MED SURG



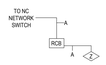
EMERGENCY PULL STATION



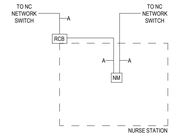
DUTY STATION



ZONE LIGHT

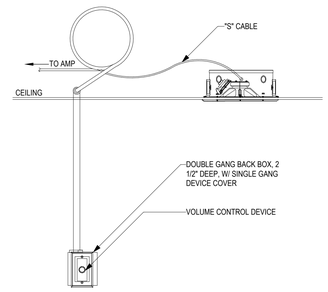


NURSE MASTER



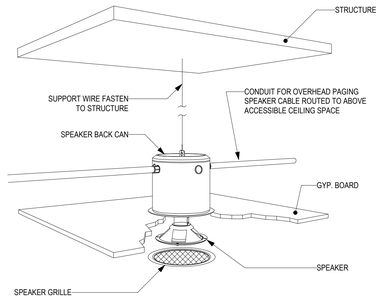
02 TYPICAL NURSE CALL IN-ROOM WIRING LAYOUT

NOT TO SCALE



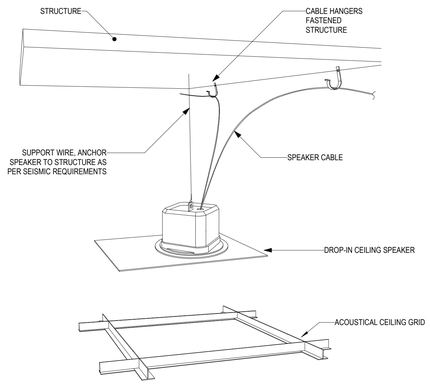
06 TYPICAL OVERHEAD PAGING SPEAKER W/VOLUME CONTROL

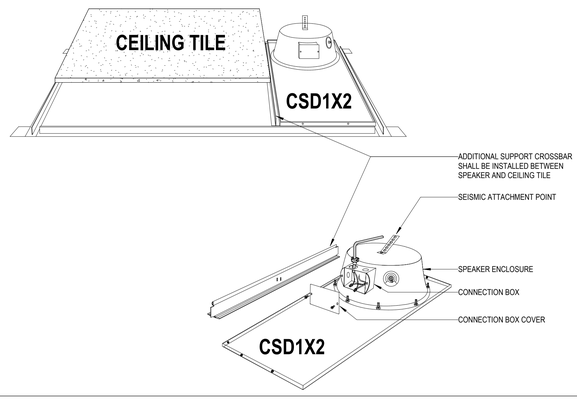
NOT TO SCALE



05 OVERHEAD PAGING SPEAKER IN HARDPAN CEILING

NOT TO SCALE





01 SURFACE MOUNTED OUTDOOR SPEAKER DETAIL

NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2010046124
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/12/03
SCALE:	3/32" = 1'-0"
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DETAILS - TECHNOLOGY

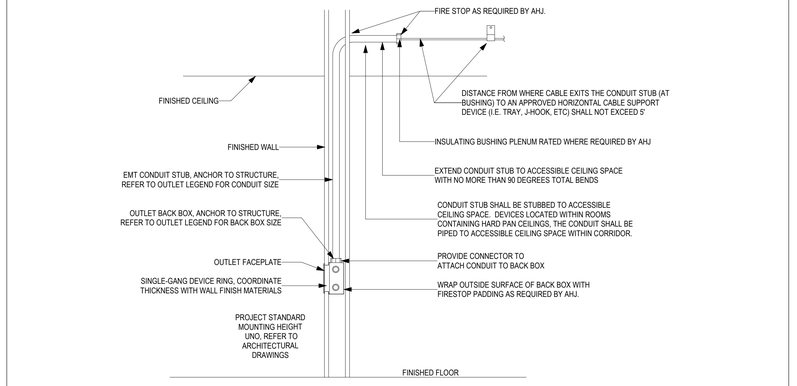
T07-02

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP - LSMC Med Surg & Dietery Expansion_R23.rvt

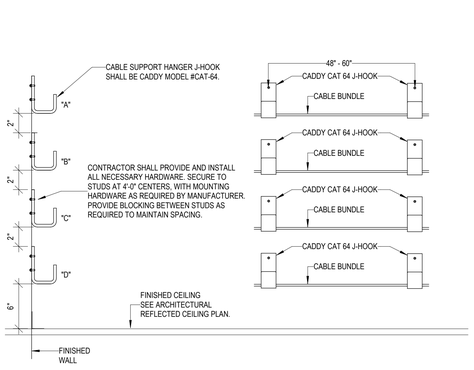
12/4/2024 5:46:35 PM

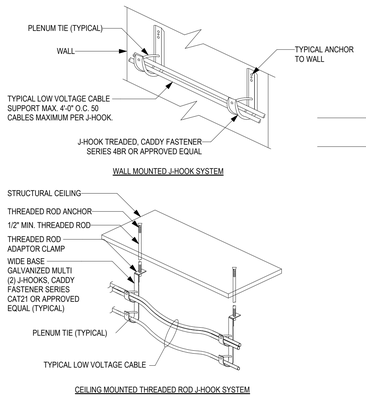
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



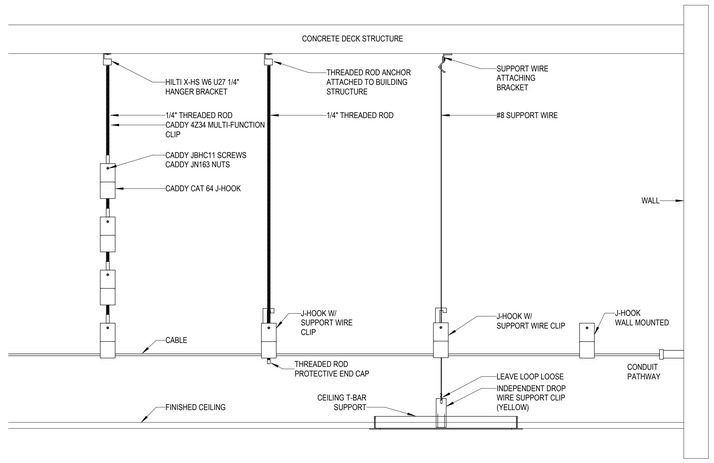
02 CONDUIT STUB-UP DETAIL

NOT TO SCALE





J-HOOK CABLE MOUNTING TECHNIQUES DETAIL



SYSTEM	CABLE COLOR	SUPPORT TYPE	CEILING ZONE	NOTES	S = SHARED NS = NOT SHARED
VOICE	BLACK	J-1 & J-5	1	CAT 6 FOR TELEPHONE, FAX, ANALOG, VOIP.	S
DATA	BLACK	J-1 & J-5	1	CAT 6 FOR IT&S NETWORK NEEDS: PC, PRINTERS, SCANNERS, TIME CLOCKS, PACS	
CCTV (SECURITY & CLINICAL)	BLACK	J-1 & J-5	1	CAT 6 FOR CCTV CAMERAS.	
WAP	YELLOW	J-1 & J-5	1	CAT 6A FOR WIRELESS ACCESS POINTS (WAPS). WI-FI	
PHYSIOLOGICAL MONITORING (HARDWIRED)	ORANGE	J-2 & J-5	1	CAT 5E FOR HARD WIRED PHYSIOLOGICAL MONITORING (PM), CENTRAL STATIONS, REMOTE VIEW MONITORS, FETAL MONITORS.	NS
TELEMETRY COAX (WIRELESS)	WHITE	J-3	2	RG6/RG11HARDLINE COAX CABLE FOR WIRELESS TELEMETRY DEVICES MOUNTED TO UNDERSIDE OF CEILING.	NS
CATV COAX	BLACK	J-4 & J-5	2	RG6/RG11 COAX CABLE FOR TV SYSTEM	S
CATV DATA	BLUE	J-4 & J-5	2	CAT 5E FOR TV SYSTEM	
NURSE CALL	GREEN	J-2 & J-5	2	CAT 5E AND MIX OF LOW VOLTAGE CONTROL CABLING FOR NURSE CALL SYSTEM	NS
RFID/RTLS	PURPLE	J-3	2	CAT 5E, CAT 6 AND/OR LOW VOLTAGE CONTROL CABLING FOR EQUIPMENT/STAFF LOCATING/TRACKING SYSTEM.	NS
INFANT ABDUCTION	WHITE	J-3	2	CAT 5E, CAT 6 AND/OR LOW VOLTAGE CONTROL CABLING FOR INFANT ABDUCTION SYSTEM	
WONDERING SYSTEM	WHITE	J-3	2	CAT 5E, CAT 6 AND/OR LOW VOLTAGE CONTROL CABLING FOR WONDERING PATIENT TRACKING SYSTEM	NS
OVERHEAD PAGING	GREY	J-3	3	LOW VOLTAGE AUDIO CABLE FOR SPEAKERS, AMPS, MICROPHONES, ETC.	NS
DISTRIBUTED ANTENNA SYSTEM (DAS)	WHITE	J-3	3	COAX CABLE FOR DISTRIBUTED ANTENNA SYSTEM (DAS). CELL BOOSTING AND/OR EMERGENCY RESPONDER RADIO	NS
EMS RADIO	WHITE/ BLACK	J-3	3	COAX CABLE FOR COMMUNICATION BETWEEN EMS AND ED STAFF	NS
BAS	WHITE/ GREY	J-3	3	LOW VOLTAGE CONTROL WIRING FOR BUILDING AUTOMATION CONTROLS	NS
INTERCOM	GRAY	J-4	2	LOW VOLTAGE CONTROL CABLING FOR INTERCOM DEVICES SUCH AS AIPHONES	S
ELECTRONIC ACCESS CONTROL	WHITE	J-4	2	LOW VOLTAGE CONTROL CABLE FOR ELECTRONIC ACCESS CONTROL SYSTEM. CARD READERS, MAG LOCKS, ETC	
DATA FIBER BACKBONE	YELLOW	J-1	3	FIBER OPTIC CABLE USED FOR NETWORK BACKBONE INFRASTRUCTURE	S
DATA COPPER BACKBONE	YELLOW	J-1	3	MULTI-PAIR COPPER CABLE USED FOR ANALOG/DIGITAL TELEPHONY BACKBONE INFRASTRUCTURE	

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

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

CABLE SUPPORT DETAIL NOTES:

A. ALL DEVICE ACCESSORY HARDWARE SHALL BE AS PROVIDED OR AS SPECIFIED BY MANUFACTURER.
B. ALL MOUNTING HARDWARE SHALL MEET OR EXCEED MANUFACTURER SPECIFICATIONS AND FEDERAL, STATE, AND LOCAL AHJ REQUIREMENTS.
C. MAXIMUM DISTANCE BETWEEN CABLE SUPPORTS FOR SHALL NOT EXCEED 4'0".
D. SEAL ALL PENETRATIONS THROUGH RATED WALLS WITH APPROVED SEALANT PER DIVISION 07 SPECIFICATIONS.
E. DIMENSIONS SHOWN ARE FOR COORDINATION PURPOSES ONLY. EXACT LOCATION OF ALL DEVICES SHALL BE VERIFIED IN THE FIELD.
F. SIZE J-HOOKS SO AS NOT TO EXCEED MANUFACTURER FILL LIMITS BASED ON PRESENT NEEDS.
G. CABLE TO BE SECURED TO J-HOOKS UTILIZING ANSI/TIA AND/OR BICSI STANDARDS IN ORDER TO REDUCE PINCH POINTS AND OTHER DETRIMENTAL EFFECTS ON CABLE.
H. WHERE ROUTE CROSSES CORRIDORS, PROVIDE J-HOOKS MOUNTED ON THREADED ROD.
I. WITHIN FIFTY FEET OF ANY TELECOMMUNICATIONS ROOM, SPACING FOR THESE J-HOOKS SHALL BE REDUCED TO 1' - 4' CENTERS.

01 J-HOOK MOUNTING DETAILS

NOT TO SCALE

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

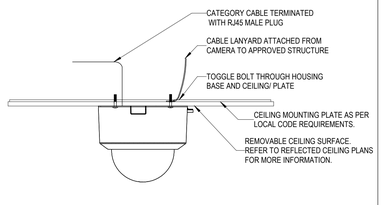
DATE:	2024/12/03
SCALE:	3/32" = 1'-0"
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

DETAILS - TECHNOLOGY

T07-03

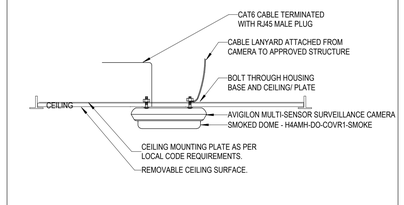
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:46:37 PM



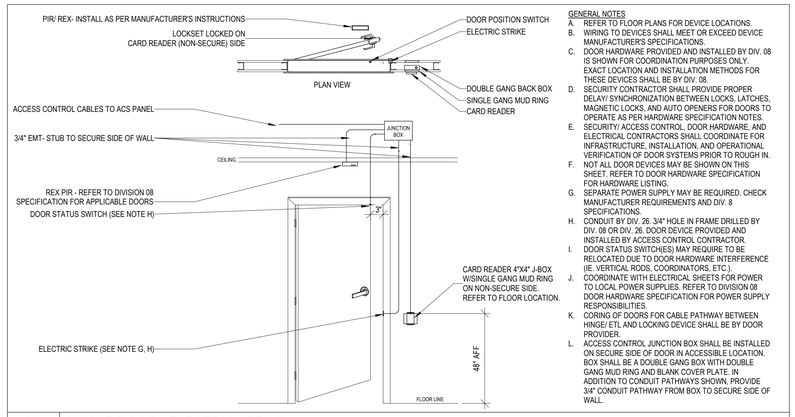
05 SINGLE LENS CAMERA - LAY-IN CEILING MOUNT

NOT TO SCALE



04 MULTISENSOR CAMERA - LAY-IN CEILING MOUNT

NOT TO SCALE

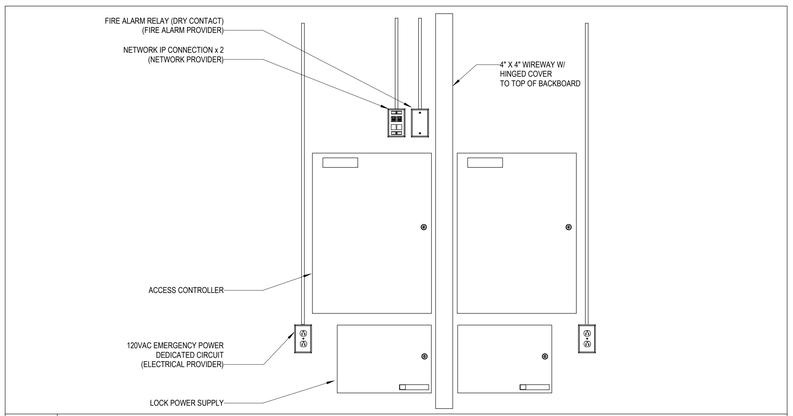


GENERAL NOTES

A. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS.
B. WIRING TO DEVICES SHALL MEET OR EXCEED DEVICE MANUFACTURER'S SPECIFICATIONS.
C. DOOR HARDWARE PROVIDED AND INSTALLED BY DIV. 08 IS SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION AND INSTALLATION METHODS FOR THESE DEVICES SHALL BE BY DIV. 08.
D. SECURITY CONTRACTOR SHALL PROVIDE PROPER DELAY/ SYNCHRONIZATION BETWEEN LOCKS, LATCHES, MAGNETIC LOCKS, AND AUTO OPENERS FOR DOORS TO OPERATE AS PER HARDWARE SPECIFICATION NOTES.
E. SECURITY/ ACCESS CONTROL, DOOR HARDWARE, AND ELECTRICAL CONTRACTORS SHALL COORDINATE FOR INFRASTRUCTURE, INSTALLATION, AND OPERATIONAL VERIFICATION OF DOOR SYSTEMS PRIOR TO ROUGH IN.
F. NOT ALL DOOR DEVICES MAY BE SHOWN ON THIS SHEET. REFER TO DOOR HARDWARE SPECIFICATION FOR HARDWARE LISTING.
G. SEPARATE POWER SUPPLY MAY BE REQUIRED. CHECK MANUFACTURER REQUIREMENTS AND DIV. 8 SPECIFICATIONS.
H. CONDUIT BY DIV. 26. 3/4" HOLE IN FRAME DRILLED BY DIV. 08 OR DIV. 26. DOOR DEVICE PROVIDED AND INSTALLED BY ACCESS CONTROL CONTRACTOR.
I. DOOR STATUS SWITCH(ES) MAY REQUIRE TO BE RELOCATED DUE TO DOOR HARDWARE INTERFERENCE (IE. VERTICAL RODS, COORDINATORS, ETC.).
J. COORDINATE WITH ELECTRICAL SHEETS FOR POWER TO LOCAL POWER SUPPLIES. REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATION FOR POWER SUPPLY RESPONSIBILITIES.
K. CORING OF DOORS FOR CABLE PATHWAY BETWEEN HINGE/ ETL AND LOCKING DEVICE SHALL BE BY DOOR PROVIDER.
L. ACCESS CONTROL JUNCTION BOX SHALL BE INSTALLED ON SECURE SIDE OF DOOR IN ACCESSIBLE LOCATION. BOX SHALL BE A DOUBLE GANG BOX WITH DOUBLE GANG MUD RING AND BLANK COVER PLATE. IN ADDITION TO CONDUIT PATHWAYS SHOWN, PROVIDE 3/4" CONDUIT PATHWAY FROM BOX TO SECURE SIDE OF WALL.

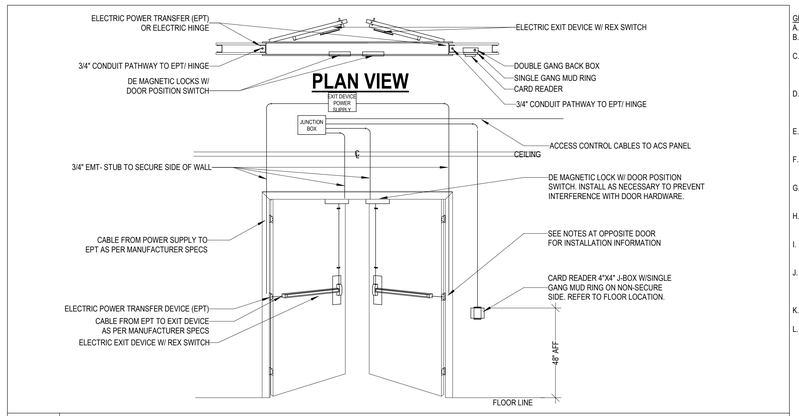
03 SINGLE DOOR - ELECTRIC STRIKE

NOT TO SCALE



02 ACCESS CONTROL PANEL SETUP W/ SEPARATE POWER SUPPLY

NOT TO SCALE



GENERAL NOTES

A. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS.
B. WIRING TO DEVICES SHALL MEET OR EXCEED DEVICE MANUFACTURER'S SPECIFICATIONS.
C. DOOR HARDWARE PROVIDED AND INSTALLED BY DIV. 08. HARDWARE IS SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION AND INSTALLATION METHODS FOR THESE DEVICES SHALL BE BY DIV. 08.
D. DIVISION 28 CONTRACTOR SHALL PROVIDE PROPER DELAY/SYNCHRONIZATION BETWEEN LOCKS, LATCHES, MAGNETIC LOCKS, AND AUTO OPENERS FOR DOORS TO OPERATE AS PER HARDWARE SPECIFICATION NOTES.
E. DIVISION 08, 26 AND 28 CONTRACTORS SHALL COORDINATE FOR INFRASTRUCTURE, INSTALLATION, AND OPERATIONAL VERIFICATION OF DOOR SYSTEMS PRIOR TO ROUGH IN.
F. NOT ALL DOOR DEVICES MAY BE SHOWN ON THIS SHEET. REFER TO DOOR HARDWARE SPECIFICATION FOR HARDWARE LISTING.
G. SEPARATE POWER SUPPLY MAY BE REQUIRED. CHECK MANUFACTURER REQUIREMENTS AND DIV. 8 SPECIFICATIONS.
H. CONDUIT BY DIV. 26. 3/4" HOLE IN FRAME DRILLED BY DIV. 08 OR DIV. 26. DOOR DEVICE PROVIDED AND INSTALLED BY ACCESS CONTROL CONTRACTOR.
I. DOOR STATUS SWITCH(ES) MAY REQUIRE TO BE RELOCATED DUE TO DOOR HARDWARE INTERFERENCE (IE. VERTICAL RODS, COORDINATORS, ETC.).
J. COORDINATE WITH ELECTRICAL SHEETS FOR POWER TO LOCAL POWER SUPPLIES. REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATION FOR POWER SUPPLY RESPONSIBILITIES.
K. CORING OF DOORS FOR CABLE PATHWAY BETWEEN HINGE/ ETL AND LOCKING DEVICE SHALL BE BY DOOR PROVIDER.
L. ACCESS CONTROL JUNCTION BOX SHALL BE INSTALLED ON SECURE SIDE OF DOOR IN ACCESSIBLE LOCATION. BOX SHALL BE A DOUBLE GANG BOX WITH DOUBLE GANG MUD RING AND BLANK COVER PLATE. IN ADDITION TO CONDUIT PATHWAYS SHOWN, PROVIDE 3/4" CONDUIT PATHWAY FROM BOX TO SECURE SIDE OF WALL.

01 DOUBLE DOOR - ELECTRIC EXIT DEVICES

NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney GROUP

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

wsp

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007040133
PROFESSIONAL ENGINEER

12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

DETAILS - TECHNOLOGY

T07-04

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://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt
12/4/2024 5:46:39 PM

TECHNOLOGY SYSTEMS EQUIPMENT AND STRUCTURED CABLING COORDINATION SCHEDULE

SYSTEM	EQUIPMENT			CABLING					ROUGH IN						GROUNDING
	EQUIPMENT FURNISHED BY	EQUIPMENT INSTALLED BY	TEST/CERTIFIED BY	CABLE FURNISHED BY	CABLE INSTALLED BY	CABLE TERMINATIONS BY	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	BACK BOXES INSTALLED BY (NOTE 6)	FLOOR/WALL CORES/SLEEVES BY (NOTE 7)	CONNECTION TO TGB BY
IT&S SYSTEMS - VOICE/DATA															
IT&S/VOICE EQUIPMENT (WORKSTATION) (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
IT&S/DATA EQUIPMENT (WORKSTATION) (NOTE 9)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
WIRELESS ACCESS POINT (WAP)	OWNER	DIV 27	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
IT&S/DATA EQUIPMENT (TEC/TDR)	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 (TEC/TDR)	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	PB	PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WIRED PANIC BUTTON (IF APPLICABLE)	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	N/A	N/A
INFANT PROTECTION	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
INTRUSION DETECTION	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	N/A	N/A
EMERGENCY (BLUE) PHONE	GC	GC	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26/27	DIV 26	DIV 27	DIV 26	DIV 26	N/A	DIV 26
INTERCOM	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 28	DIV 26	DIV 28	DIV 26	DIV 26	DIV 26	N/A
OVERHEAD PAGING SYSTEM															
SPEAKERS/HORNS	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
AMPLIFIERS	DIV 27	DIV 27	DIV 27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DIV 27
VOLUME CONTROL	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TELEPHONE ACCESS EQUIPMENT	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
ZONE DISTRIBUTION EQUIPMENT (IF APPLICABLE)	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
PATIENT MONITORING SYSTEM															
PHYSIOLOGICAL MONITORING (PM)	PM	PM	PM	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
FETAL MONITORING (FM)	PM	PM	PM	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
TELEMETRY	PM	PM	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A
NETWORK SWITCHES	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OWNER
PATCH CORDS	OWNER	OWNER	OWNER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TELECOMMUNICATIONS ROOMS (TEC/TDR)															
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	DIV 26	N/A	N/A	DIV 26	DIV 26
TELECOMMUNICATIONS GROUNDING BUSS BAR (TGB)	DIV 26	DIV 26	DIV 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MISC. SYSTEMS															
SYNCHRONIZED CLOCK SYSTEMS	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	DIV 26 OR 27	N/A	N/A	N/A	DIV 26	DIV 26	N/A	N/A
REAL TIME LOCATING SYSTEM (RTLS)	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
DISTRIBUTED ANTENNA SYSTEMS (DAS)	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER
EMERGENCY RESPONDER RADIO COMMUNICATIONS (ERRCS)	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER
TEMPERATURE MONITORING SYSTEM	OWNER	OWNER	OWNER	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 27	DIV 26	DIV 27	DIV 26	DIV 26	DIV 26	N/A
EMS RADIO	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	N/A

NOTES:
1. ALL SYSTEMS SHOWN MAY NOT BE PRESENT IN PROJECT. REFER TO FLOOR PLANS FOR SYSTEMS INCLUDED IN PROJECT.
2. INCLUDES CONDUIT SLEEVES, NOT TO EXCEED 18 INCHES IN LENGTH, THROUGH GYPSUM PARTITIONS. SLEEVES EXCEEDING 18" IN LENGTH SHALL BE PROVIDED BY DIV 26 CONTRACTOR.
3. INCLUDES CONDUIT PATHWAY EXCEEDING 18 INCHES IN LENGTH. INCLUDES ALL NECESSARY CONNECTIONS, PULL BOXES, AND PLASTIC BUSHINGS.
4. INCLUDES PRE-MANUFACTURED FIRE SLEEVE SYSTEMS.
5. INCLUDES REQUIRED CONDUIT STUB UP TO ABOVE ACCESSIBLE CEILING SPACE.
6. INCLUDES SLEEVES THROUGH CONCRETE/MASONRY WALLS REQUIRING CORING OR LEAVE-OUTS.
7. CROSS ROOM SOUND CABLE TERMINATED BY NURSE CALL VENDOR AT PATIENT STATION. DIV 27 CONTRACTOR SHALL TERMINATE CROSS ROOM SOUND CABLE AT TV OUTLET AND PROVIDE FACEPLATE.
8. LIGHTING CONTROL CABLE TERMINATED BY NURSE CALL VENDOR AT PATIENT STATION. NURSE CALL VENDOR SHALL PROVIDE DIV 26 CONTRACTOR LIGHTING CONTROL RELAY. DIV 26 CONTRACTOR SHALL CONNECT RELAY WITH LIGHT.
9. VOICE/DATA WORKSTATION & MEDICAL EQUIPMENT DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

A. PCS
B. PRINTERS (NETWORK, LASER, MULTIFUNCTION, LAB, SCRIPT, ETC.)
C. FAX MACHINES
D. COPIERS
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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

STATE OF MISSOURI
WENDY SUSAN WHEELER
NUMBER PE-2007046133
PROFESSIONAL ENGINEER
12/05/2024
WSP USA Buildings Inc. 2013001881

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

INPATIENT BED EXPANSION

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

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

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

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

SCHEDULES - TECHNOLOGY

T08-01

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.

12/4/2024 5:46:42 PM Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/MEP_LSMC Med Surg & Dietery Expansion_R23.rvt

RELEASED FOR CONSTRUCTION
As Noted on Plans Review.
Development Services Department
Lee's Summit, Missouri
10/01/2025

NEOPOD SYSTEMS, LLC

General Inquiries:			
(954) 603-3100 Neopodsystems.com email: info@neopodsystems.com			
Facility Address			
7850 Old Bastrop Road New Braunfels, TX 78130			
Contact Information			
President	Juan Bermudez	jbermudez@neopodsystems.com	(954) 854-8702
VP of Operations	Michael Miller	mmiller@neopodsystems.com	(512) 987-0097
Project Manager	Ryan Hauser	Rhauser@neopodsystems.com	(512) 760-9752
Design Manager	Sarah Bryant	sbryant@neopodsystems.com	(513) 388-6443

Project Information

Project Name

HCA - Lee's Summit MC

Project Address

2100 SE Blue Pkwy
Lee's Summit, MO 64063

Applicable Codes

Neopod Systems is a certified manufacturer under TDLR's Industrialized Housing and Building (HB) Program.

Industrialized Housing Manufacturer: Neopod Systems, LLC.

Design Review Agency : ICC NTA, LLC

TLDR Registration: #IHM-454

TDLR Registration: #IHDRA-11

Applicable Codes:

2021 International Building Code
2021 International Plumbing Code
2021 International Mechanical Code
2021 International Fuel Gas Cod
2020 National Electrical Code
2012 International Energy Conservation Code

MODULE QUANTITIES

MODULE TYPE	ROOM TYPE	QUANTITY
BPR82L	ADA PATIENT BATHROOM	14
BPR82R	ADA PATIENT BATHROOM	10
HMS01L	MED-SURG HEADWALL	14
HMS01R	MED-SURG HEADWALL	14
SPR02S	SINKWALL	30

MODULE TOTAL: 82

BPR82L . ACC

PRODUCT	TYPE	CONFIGURATION	ORIENTATION	SUB STANDARD SUFFIX
B - Bathroom S - Sinkwall H - Headwall F - Footwall	PR - Patient Room MS - Med Surg EX - Exam ICU - ICU PC - PICU GP - General Purpose / Staff / Public		R - Right L - Left S - Single D - Double	ACC - Accessible Version SOPP - Shower Opposite DI - Door Inswing NPW - Panelized Version

MODULAR SCOPE SUMMARY

Neopod	GC	
		GENERAL
√		Supervision, Training and Specialized Equipment for Installation of modular units
	√	Installation of Modular Units
	√	Hoisting of Modular Units
	√	Permits, field inspections, impact and tap fees
		INTERIOR ARCHITECTURAL WOODWORK
√		Solid Surface and Plastic Laminate countertops located within units
√		Solid Surface Shower Basin and Wall Panels
		INSULATION
√		Sound attenuation batt insulation in marriage wall. Material only by Neopod. Labor by GC
√		Sound attenuation batt insulation between bathroom and exterior building walls (if applicable)
	√	Sound attenuation batt insulation at any exposed bathroom wall
		DOOR, FRAMES, & HARDWARE
√		HM Door Frame , Door and Hardware
		NON-STRUCTURAL METAL FRAMING
√		Framed walls and ceiling of modular bathroom unit
	√	Framed top-out of walls to deck located above modular unit (if required)
		GYMPSUM BOARD @ BATHROOM MODULES
√		Gypsum board hung, taped & finished on interior face of bathroom walls
	√	Gypsum board hung, taped & finished on exterior face of bathroom walls
	√	Gypsum board infill to structure above unit
	√	Tape & finish joints between modular unit and any field install gypsum board
		GYMPSUM BOARD @ SINGLE WALL MODULES
√		Gypsum board hung, taped & finished on interior face of walls
	√	Gypsum board infill to structure above unit
	√	Tape & finish joints between modular unit and any field install gypsum board
		INTERIOR PAINT
√		Prime coat on interior gypsum board walls of bathroom unit
	√	Prime coat on HM door frame
	√	1st/2nd paint coat & finishes on gypsum board walls
	√	Prime & paint exterior walls of bathroom unit
	√	1st/2nd paint coat & finishes on HM door frame
		TILING & SOLID SURFACE
√		Tiling within modular bathroom unit
√		Solid surface wall panels within bathroom unit
		JOINT SEALANTS
√		Purchase and Installation of joint sealants within bathroom units
		WALL AND DOOR PROTECTION
	√	Corner and wall guards
		TOILET AND BATH ACCESSORIES
√		Toilet accessories within bathroom unit (does not include owner/vendor supplied accessories)
	√	Specialties within patient room and all owner/vendor furnished accessories
		FIRE SUPRESSION SYSTEM
	√	Fire protection piping and devices installed in modular unit
	√	Fire extinguisher cabinets
√		2-1/4" Ø Hole provided in bathroom ceiling for sprinkler head
		PLUMBING
√		Templates for site layout of plumbing sleeves
√		Plumbing fixtures, piping and pipe insulation serving and located within the walls of the module
√		Domestic Water supply lines indicated above unit.
	√	Plumbing fixture exception: Toilet fixture and flush valve purchase and installation
	√	Main DWV & DWS lines & valves located in corridor serving modular units
	√	DWV piping located above or below modular units
	√	Connection of modular units to site installed piping
	√	Penetration through slab, fire caulk/safing
	√	Final clean and purge of plumbing system
		MEDICAL GAS @ HEADWALLS
√		M/G piping and outlets located within module. Devices to be provided by Neopod, shipped seperately, & Installed...
√		Extensions for M/G outlets to meet site installed finish wall surface (To be coordinated per project)
		ELECTRICAL
√		Junction boxes, wiring, power and lighting devices located within the walls of the modular unit
√		Light fixtures located in the ceiling of the modular bathroom unit
√		Conduit and junction boxes for fire alarm located within walls of the modular bathroom unit
	√	Fire alarm wiring
√		Conduit and junction boxes for nurse call located within walls of the modular bathroom unit
	√	Nurse call wiring
	√	Connection of modular bathroom units to site installed electrical
	√	Identification of branch circuits within modular unit
√		Temporary cover plates for switches & devices located within the walls of modular bathroom units (Upon Request)
	√	Coordination, purchase and installation of engraved cover plates in modular units
		DISCLAIMER

This document is distributed for purpose of scope designation between site contractors and modular unit provider of work specifically related to modular unit installation. Nothing in this document relieves the contractors from the responsibility of providing and installing all materials and components in compliance with contract documents.

Installation Conditions Provided by General Contractor

Module Unloading and Hoisting:

Unloading Requirements:

Delivery path and unloading area for 53' trailer and truck

Unloading area sized for trailer plus reach forklift. 30'W x 60'L minimum

Staging area for one full truckload of units identified prior to delivery. 9'W x 42'L minimum

Forklift Requirements:

10,000 lb. capacity reach forklift with 8' long extensions and telescoping arm

Lifting Platform Requirements:

6,000 lb. capacity lifting platform by Neopod

On-site storage required for duration of project delivery. Relocation between deliveries will incur additional cost

Crane Requirements:

Sized for 10,000 lb. load and radius of travel from truck to building opening

Crane dedicated to Neopod delivery for entire duration on delivery days

Skilled and certified operator dedicated for each delivery day

Module Delivery:

Delivery for SOG and Elevations <40':

Lower level deliveries will be loaded into building with forklift without the use of crane

Clear, level, and stable path required for forklift travel

Anchor points required at each level for fall protection at leading edge (minimum 2)

Delivery for Elevations >40':

Deliveries at this height require Neopod platform and use of crane

Anchor points needed to tie off lifting platform at each level

Anchor points required at each level for fall protection at leading edge (minimum 2)

Building Entry Point Size Requirements:

Minimum building opening of 15'W x 12'H at each level

Interior Delivery Path Requirements:

Delivery path must be minimum of 10'W x 11'-6"H

Path must include 12'W x 12'L clearance at all changes in direction

It is highly encouraged to model delivery path in project model

It is highly encouraged to physically mark delivery path at site prior to delivery

Module Installation:

Concrete Flatness Requirements:

Unit installation locations must be within 1/8" of flat in footprint of module

Site contractor responsible for floating each module location with self-leveling compound prior to delivery as required

All stub-ups, sleeves, and fire-protection devices must be cut flush with deck prior to module installation

Unit Layout Requirements:

Templates will be provided by Neopod for each unit type including module footprint and all penetration locations

Sizes of penetrations determined by plumbing contractor

Template must be aligned to layout with perimeter and core locations spray painted prior to unit delivery

Where units for corridor walls or other critical wall layouts, top tracks must be installed prior to delivery

MATERIAL, FINISHES & FIXTURES SCHEDULE

TAG	DESCRIPTION	MANUFACTUR...	MODEL	FINISH	COMMENTS
Casework/Millwork					
SS1	Solid Surface Vanity Top	Inpro	Solid Surface Vanity Top	Bright White	
SS2	Undermount Bowl	Inpro	1410-VO	Bright White	
Doors and Hardware					
DR1	Hollow Metal Door Frame	Ceco / ASSA ABLOY	Series SU		Patient Bathrooms
	Door Panel	VT Industries	Heritage 404H	Wilsonart Williamsburg Cherry - 7936-07	
	5 knuckle, Ball Bearing Full Mortise Hinges	Ives	5BB1 - 4 1/2" x 4 1/2" - 652 Hinges	Satin Chrome	
	Grade 1 - Cylindrical Lock Set	Schlage	Leverset ND44 - RHO 626	Satin Chrome	
	Surface Overhead Door Holders/Stops	Glynn-Johnson	Overhead Stop - 904S - US32D	Satin - Stainless Steel	
	Metal Kick Plate	Rockwood	Protection Plate - K1050 - 10" x 34" US32D	Stainless Steel	
Finishes					
PT-1	Ceiling Primer & Paint	Sherwin Williams	ProMar 200 Primer & ProIndustrial PreCat Epoxy	Extra White S/G	Ceilings Primed & Painted By Neopod
PT-2	Door Frame Primer	Sherwin Williams	ProCryl Primer		Primer only by Neopod. Door Frame Paint - (By Site GC)
PT-3	Wall Primer	Sherwin Williams	ProMar 200 Primer		Primer only by Neopod. Wall Paint - (By Site GC)
SS	Solid Surface Wall Panels	Inpro	1/4" Thickness	Bright White	
VF1	Sheet Vinyl Flooring	Mannington	Assurance III	Cremello 16349	
VCB	Vinyl Cove Base	Mannington	Assurance III	Cremello 16349	
Lighting					
L1	Vanity Light	Healthcare Lighting	HPST-24LONG-LED-35KMVOLT-MLV-MINI-BA-NHCA		
L2	Recessed LED Can Light	Gotham	EVO6SH 40/20 6DFR SOL MVOLT EZ10		
L3	Recessed LED Troffer Light	Lithonia Lighting	CPAN-2X2- AL01-SWW7 w/ DGA22		
L5	Spectra - SF LED Under-Cabinet Task Lighting	Healthcare Lighting	HUC523-MVOLT-LED40-AM		
Mechanical					
M1	Exhaust Grille	Titus	50F,Border 1,8x8,1/2x1/2x1/2,Type A,OBD,SRG 8SQ to 6RD		Surface Mount Frame - 8" Sq. Grille to 6" Round Duct Connection
M2	Supply Grille	Titus	OMNI,Border 3,12x12,TRM TITUS RMF,D-75 OBD		Surface Mount Frame - 12" Sq. Grille to 6" Round Duct Connection
Medical Gas					
A	Air Outlet	Beacon Medeas	Series B Medical Air Outlet	Connection Type: Pin Index	Valves shipped separately, Installed by GC
O	Oxygen Outlet	Beacon Medeas	Series B Medical Oxygen Outlet	Connection Type: Pin Index	Valves shipped separately, Installed by GC
S	Slide	Beacon Medeas	Series B Slide		
V	Vacuum Outlet	Beacon Medeas	Series B Medical Vacuum Outlet	Connection Type: Pin Index	Valves shipped separately, Installed by GC
Plumbing					
P104	Water Closet	Zurn	Z5666-BWL		Patient Room Bathroom (Provided & Installed by Others)
	Flush Valve		Z6011AV-BWN-WS1		
	Toilet Seat		Z5955SS-EL-STS		
P306	Faucet	Zurn	Z812A4-XL-FC-0.5		Bathroom Patient Room Lavatory
	Sink Drain		Z8746-PC		
	Angle Supply Stop		ZH8824-XL-PC		
	P-Trap		Z8700-PC		
	Trap Wrap		Z8946-3-NT		
P406	Faucet	Zurn	Z6920-XL-CP4-J1.5		Sinkwall Sink
	Thermostatic Mixing Valve		ZW3870XLT		
	Sink Drain		Z8746-PC		
	Angle Supply Stop		ZH8824-XL-PC		
	P-Trap		Z8700-PC		
	Trap Wrap		Z8946-3-NT		
P603S	Shower Pan	Inpro	DSTRSHR 36"x36" ADA Transfer Shower Base	Bright White	Patient Bathroom Module BPR82
	Shower Trim Kit	Symmons	S9608-PLR-15-L1-X w/ EF-109 VB & 231 SH		
	Shower Drain	Proflo	PF140NC w/ Cast Iron Gasket		
ZPD1	POD PRO-Shallow Floor Drain	Zurn	ZPD1-NB-5B-3NH		
Specialties					
AP24	Access Panel	ProFlo	PF2424AD		
GB	1-1/2" Diameter Grab Bars w/ Snap Flange	Bobrick	B-6806 Series	304 Stainless w/ Satin Finish	Various Lengths
GB-L	1-1/2" Diameter Grab Bars w/ Snap Flange	Bobrick	B-6861	305 Stainless w/ Satin Finish	
MR	Glass Mirrror w/ Angle Frame 18" x 36"	Bobrick	B-290 1836	Stainless Steel	
RS	Recessed Shower Shelf	Inpro	DSLRSC9011 Shower Caddy	Bright White	
SR36	Heavy Duty Shower Curtain Rod	Bobrick	B-610736	Stainless w/ Satin Finish	
FSS1	Folding Shower Seat & Dressing Area	Bobrick	B5191	Plastic Laminate Matte Finish, Ivory Face	
TPD	Toilet Paper Dispenser				OFOI - (Framing/Backing Only by Neopod)
PTD	Paper Towel Dispenser				OFOI - (Framing/Backing Only by Neopod)
SD	Soap Dispenser				OFOI - (Framing/Backing Only by Neopod)
Wiring Devices					
ED	Hospital Grade Receptacle	Pass & Seymore	8300H-R	Red	
ND	Hospital Grade Receptacle	Pass & Seymore	8300H-WH	White	
NGFCI	Hospital Grade Self Test Duplex	Pass & Seymore	2097HG-WH	White	
ES	Industrial Extra Heavy-Duty Grade Switch	Pass & Seymore	PS20AC1-R	Red	
NS	Industrial Extra Heavy-Duty Grade Switch	Pass & Seymore	PS20AC1-WH	White	
DS	Dimmer Switch	Lithonia	SPODMRD	White	
FS	Fire Alarm Strobe				Rough In Only by Neopod (Device & Wiring by Others)
NC	Nurse Call Rough In	Hilrom			Rough In Only by Neopod (Device & Wiring by Others)
D	LV / Data Devices				Rough In Only by Neopod (Device & Wiring by Others)

7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

VENDOR SHEET LIST

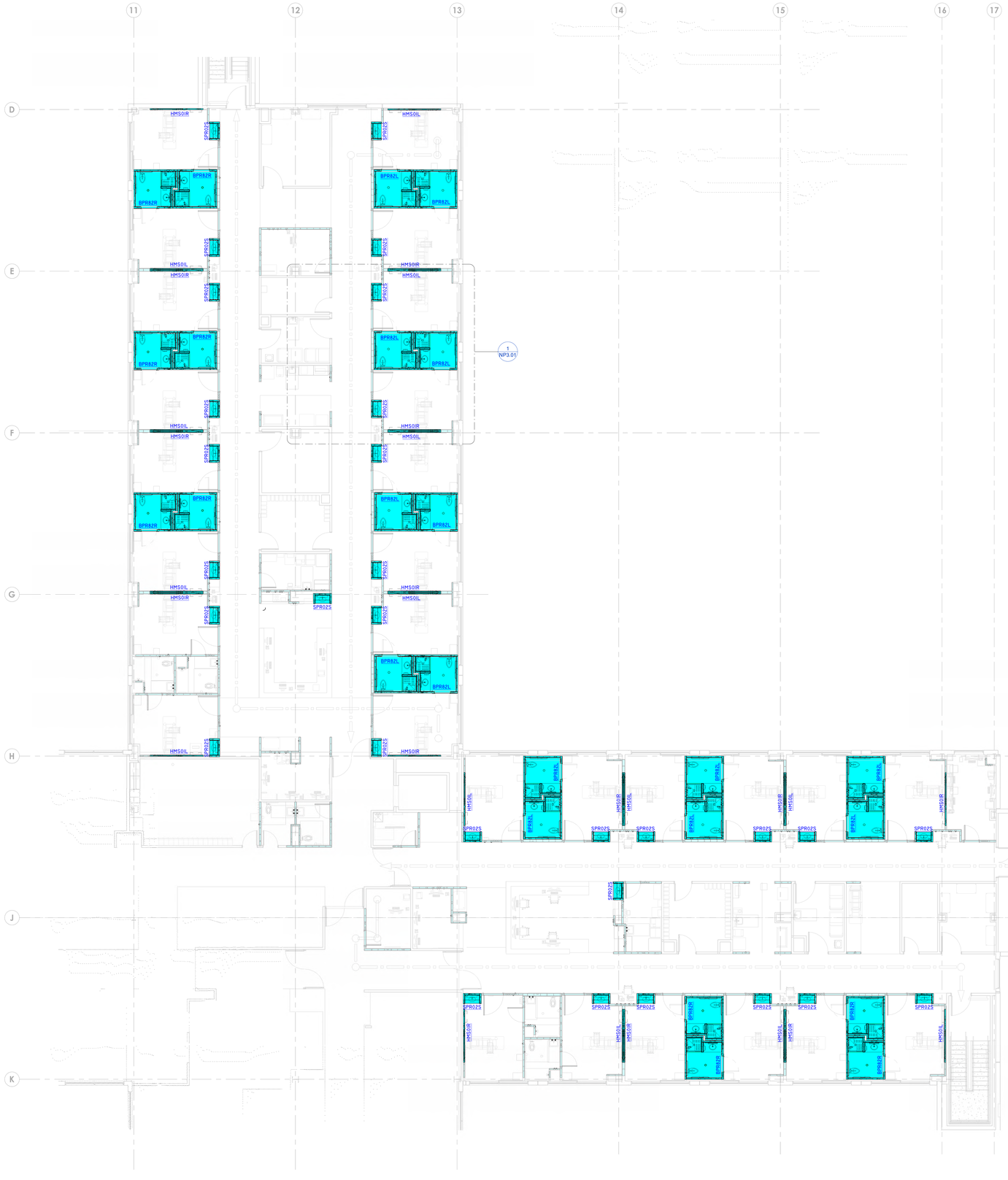
SHEET #	SHEET NAME
NP0.00	Vendor Cover Sheet
NP1.3	Level 3 Module Floor Plan
NP1.3.1	Level 3 NeopodWALL Floor Plan
NP1.3.2	Level 3 NeopodWALL Axon
NP3.01	Enlarged Room Plans
NP3.02	Enlarged Module Views-BPR82
NP3.03	Enlarged Module Views
NP3.52	NeopodWALL Details
NS.G1.00	General Delivery Requirements
NS.G1.01	Site Preparation Requirements
NS.G1.02	Installation/Connection Requirement Bathrooms & Headwalls
NS.G1.03	Installation/Connection Requirements Panelized Modules / NeopodWalls

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - SD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	50% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR: Todd Swallows
DATE: 12/11/2024 3:24:13 PM
PROJECT MGR: Ryan Hauser
DESIGN MGR: Sarah Bryant
CLIENT NAME: HCA
PROJECT NAME: HCA - Lee's Summit MC
SHEET NAME: Vendor Cover Sheet
SHEET NUMBER: **NP0.00**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



I LEVEL 3 MODULES
1/8" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - SD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/27/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	90% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR	DATE
Todd Swallows	12/11/2024 3:24:20 PM
PROJECT MGR	DESIGN MGR
Ryan Hauser	Sarah Bryant

CLIENT NAME

HCA

PROJECT NAME

HCA - Lee's Summit MC

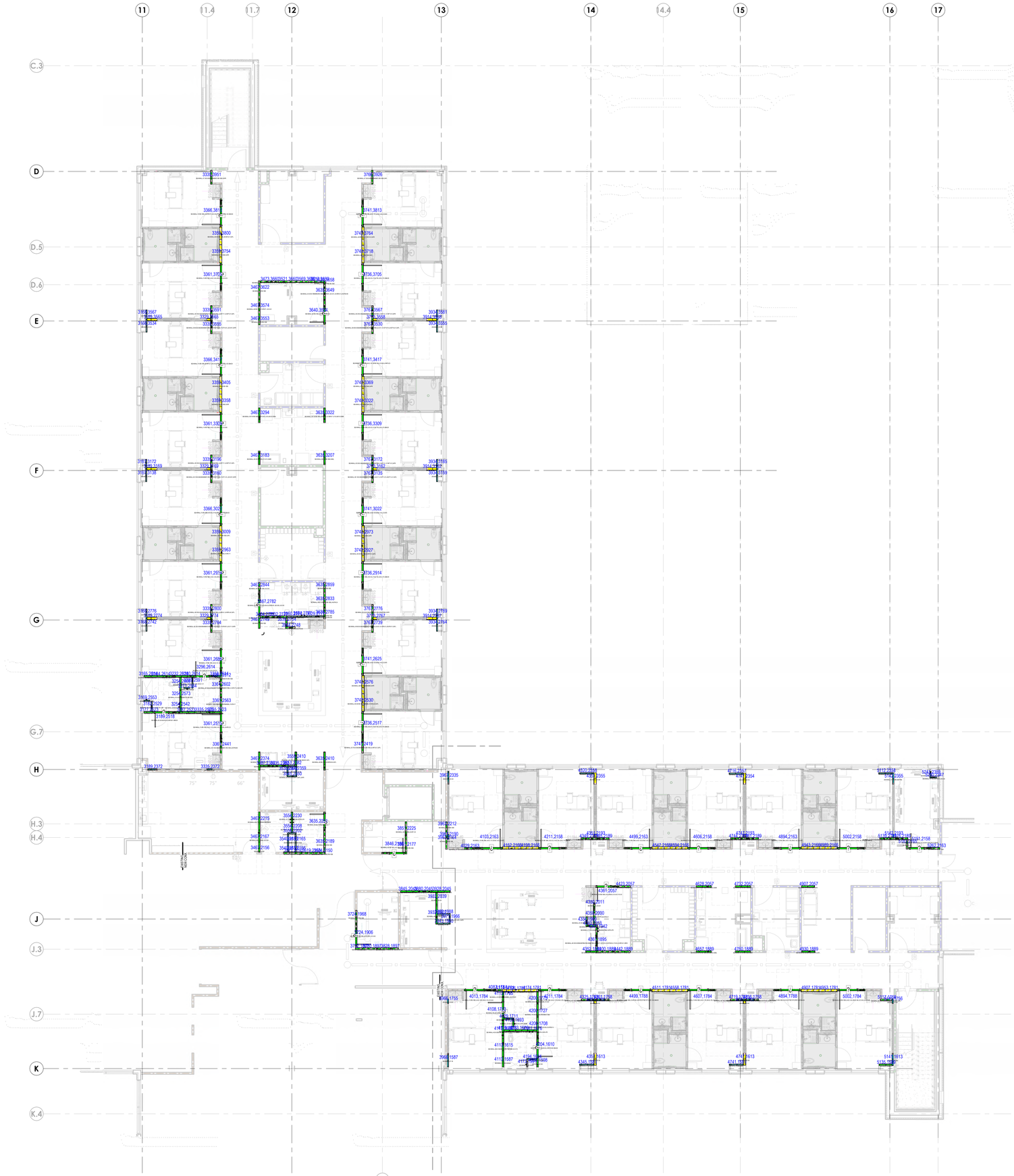
SHEET NAME

Level 3 Module Floor Plan

SHEET NUMBER

NP1.3

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



NeopodWALL Schedule	
NPW Stud Size	NPW Length
2 1/2"	105' - 2"
3 5/8"	607' - 2"
6"	140' - 11"
Total Linear Feet	853' - 2"

NeopodWALL Plan Legend

- 1 5/8" Stud NeopodWALL
- 2 1/2" Stud NeopodWALL
- 3 5/8" Stud NeopodWALL
- 6" Stud NeopodWALL

1 LEVEL 3 _NPW's
1/8" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - SD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	90% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR: Designer
DATE: 12/11/2024 3:24:28 PM
PROJECT MGR: Checker
DESIGN MGR: Author

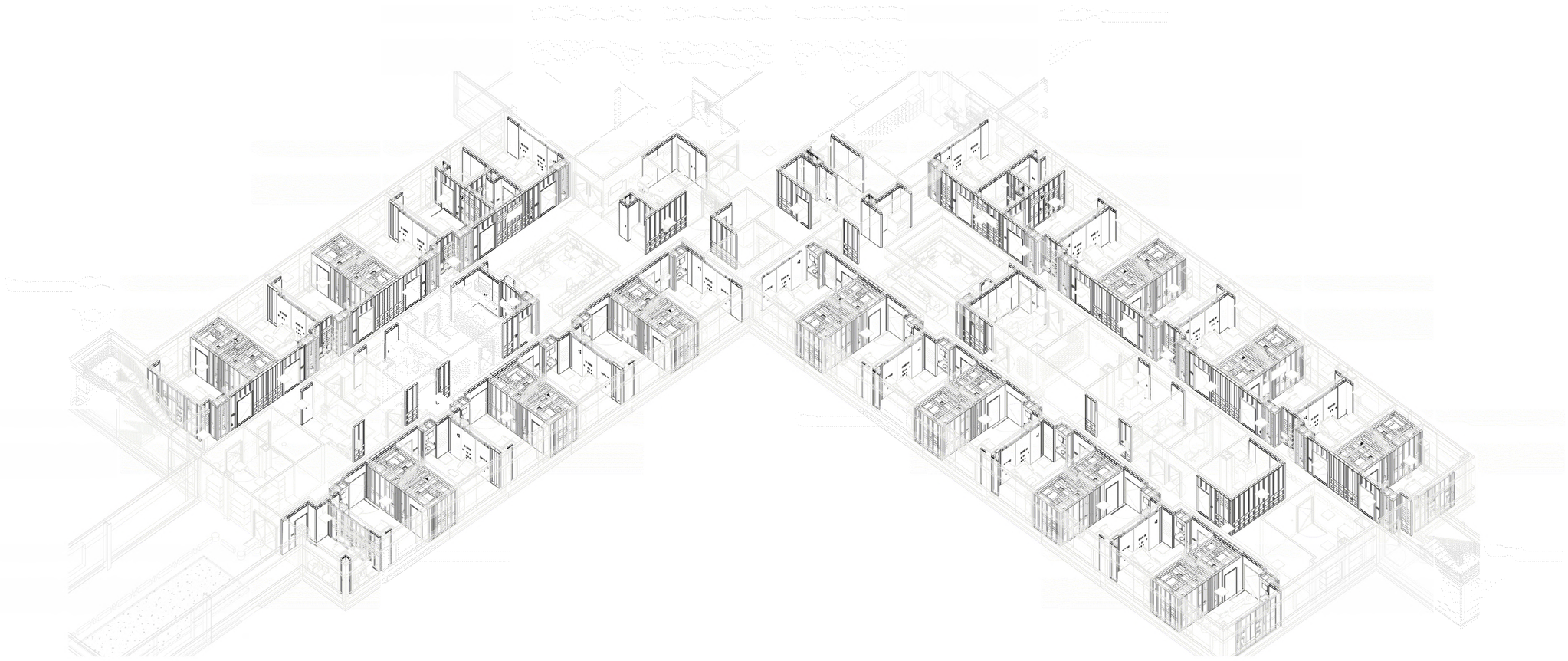
CLIENT NAME: HCA

PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: Level 3 NeopodWALL Floor Plan

SHEET NUMBER: **NP1.3.1**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 NEOPOD SCOPE AXON - NEOPODWALLS & MODULES

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - SD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	50% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR: Designer	DATE: 12/11/2024 3:25:04 PM
PROJECT MGR: Checker	DESIGN MGR: Author

CLIENT NAME

HCA

PROJECT NAME

HCA - Lee's Summit MC

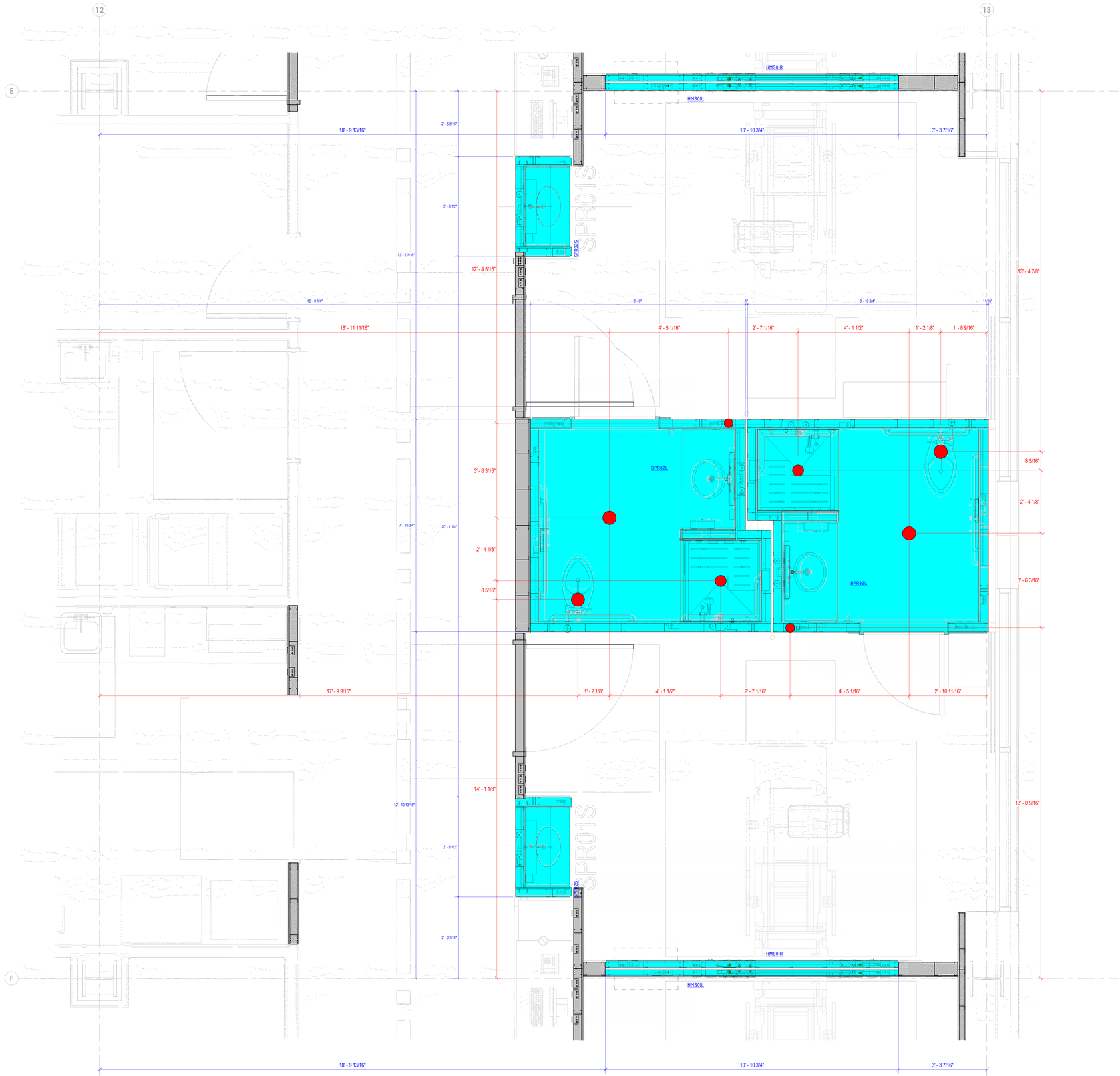
SHEET NAME

Level 3 NeopodWALL Axon

SHEET NUMBER

NP1.3.2

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 NPI.3 TYPICAL MODULAR ENLARGED PLAN
3/4" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - SD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	50% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR	DATE
Todd Swallows	12/11/2024 3:25:08 PM
PROJECT MGR	DESIGN MGR
Ryan Hauser	Sarah Bryant

CLIENT NAME

HCA

PROJECT NAME

HCA - Lee's Summit MC

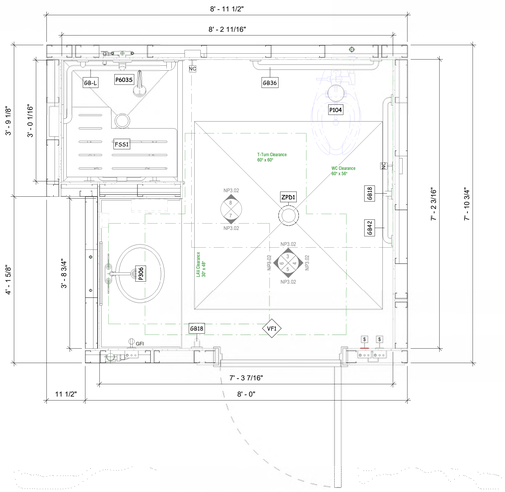
SHEET NAME

Enlarged Room Plans

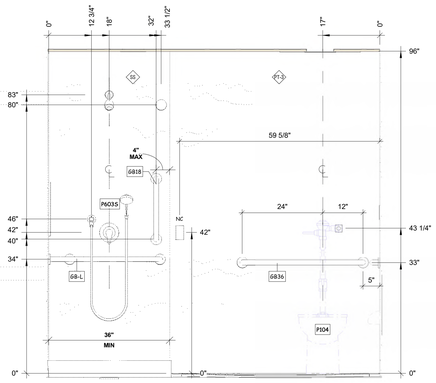
SHEET NUMBER

NP3.01

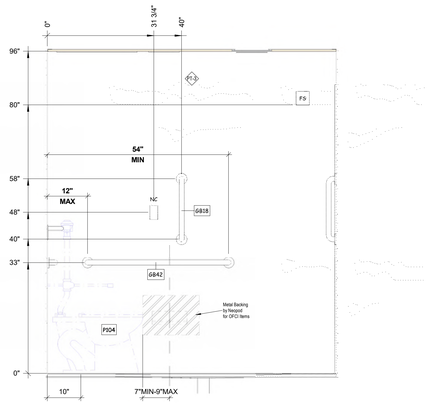
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



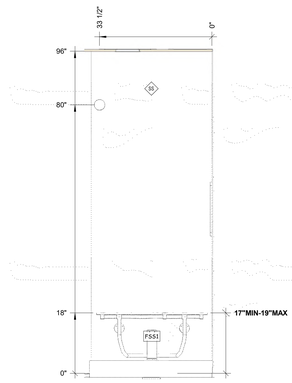
1 - FLOOR PLAN
3/4" = 1'-0"



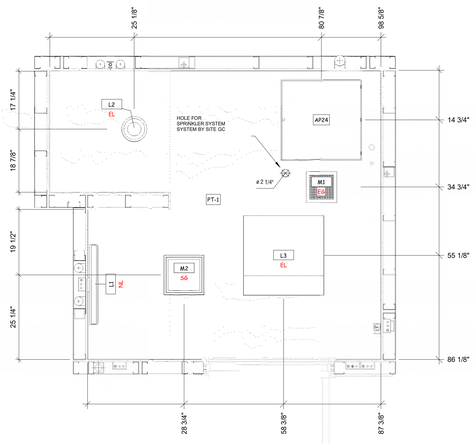
3 NP3.02 BPR82L - INT. ELEV. - NORTH
3/4" = 1'-0"



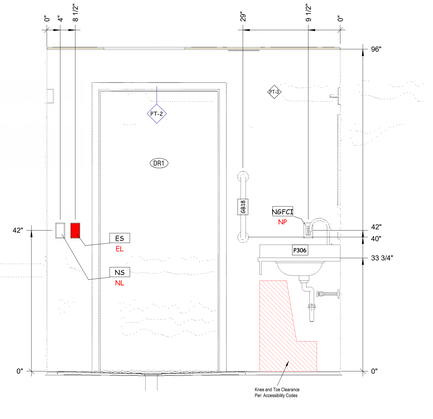
4 NP3.02 BPR82L - INT. ELEV. - EAST
3/4" = 1'-0"



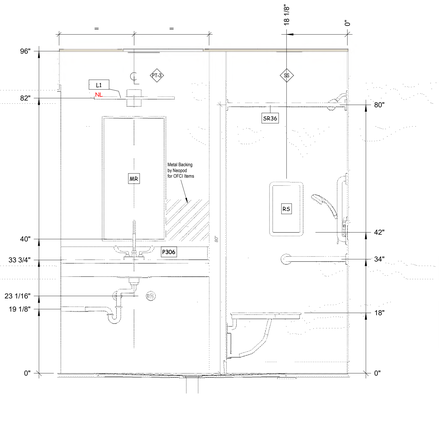
7 NP3.02 BPR82L - INT. ELEV. - SHOWER SIDE
3/4" = 1'-0"



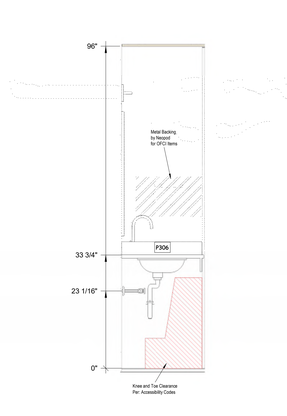
2 BPR82L - RCP
3/4" = 1'-0"



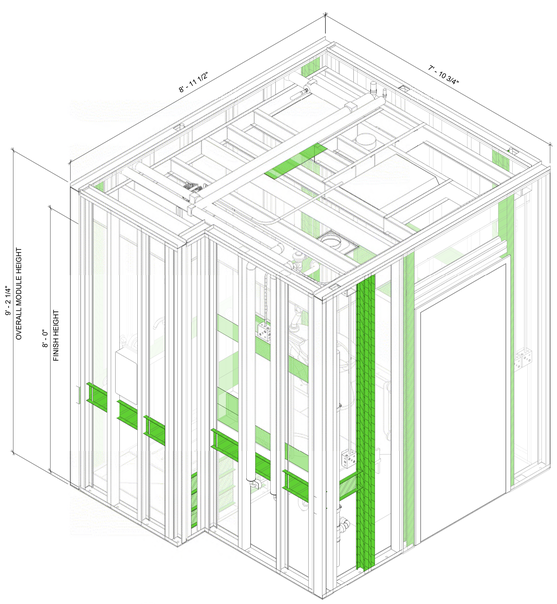
5 NP3.02 BPR82L - INT. ELEV. - SOUTH
3/4" = 1'-0"



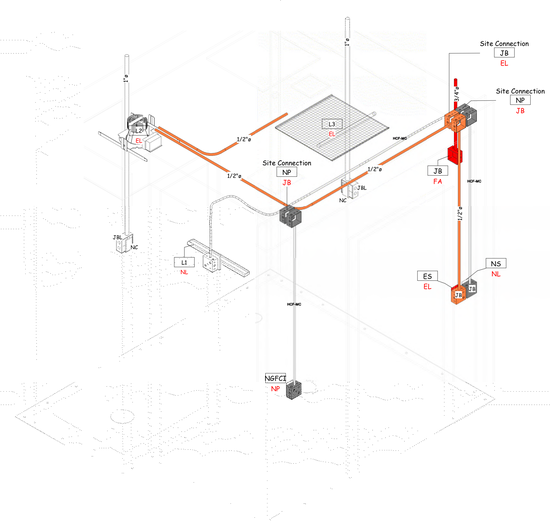
6 NP3.02 BPR82L - INT. ELEV. - WEST
3/4" = 1'-0"



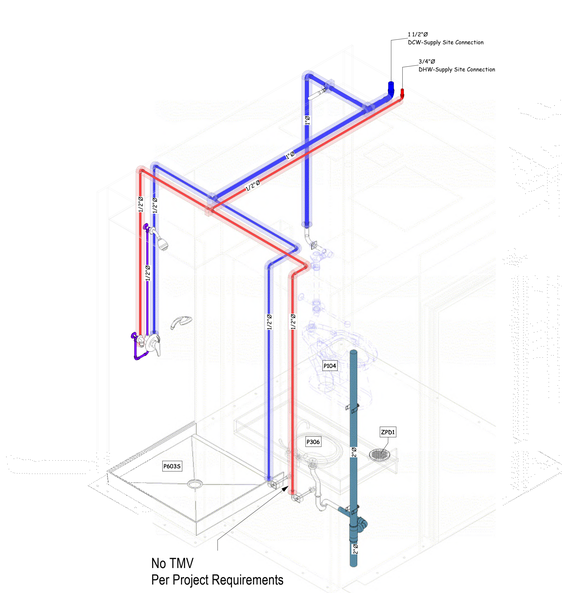
8 NP3.02 BPR82L - INT. ELEV. - SINK SIDE
3/4" = 1'-0"



9 BPR82L - 3D AXONOMETRIC



10 BPR82L - ELECTRICAL AXONOMETRIC



11 BPR82L - PLUMBING AXONOMETRIC

BPR82L - ADA Patient Room Shower

Left Configuration Shown - Opposite Hand Similar

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	90% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR	DATE
Todd Swallows	12/11/2024 3:25:19 PM
PROJECT MGR	DESIGN MGR
Ryan Hauser	Sarah Bryant

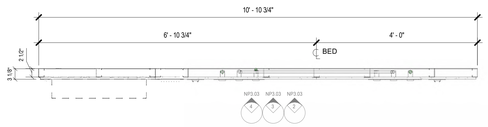
CLIENT NAME
HCA

PROJECT NAME
HCA - Lee's Summit MC

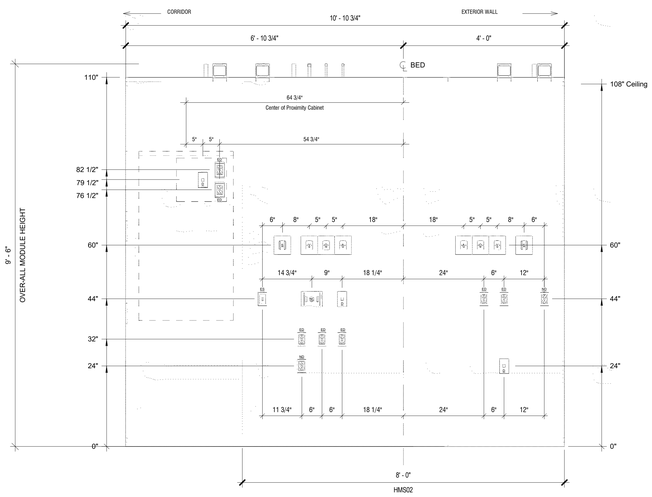
SHEET NAME
Enlarged Module Views-BPR82

SHEET NUMBER
NP3.02

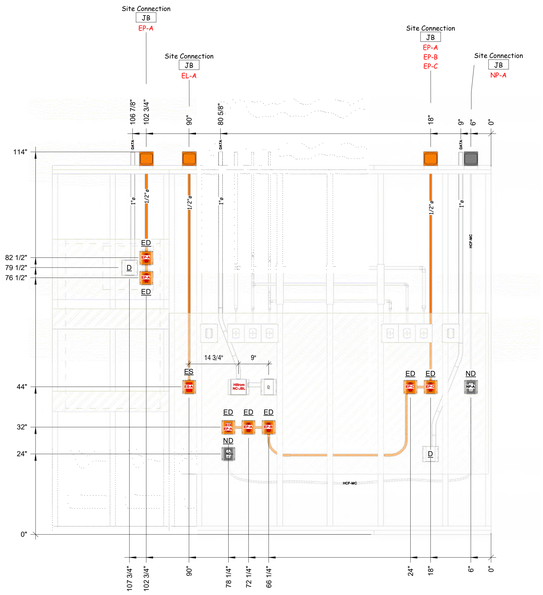
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



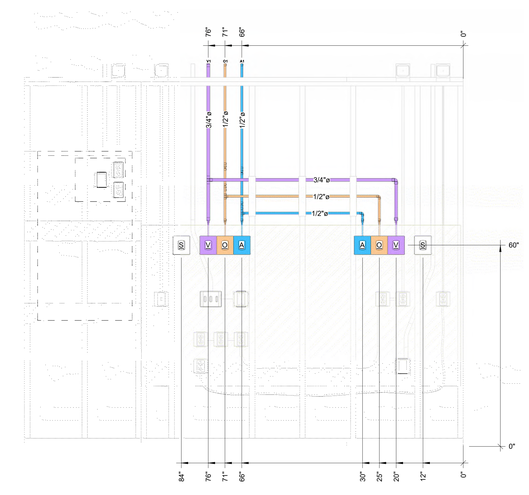
1 HMS01L - Pan View
3/4" = 1'-0"



2 HMS01L - Finish Elevation
NP3.03 3/4" = 1'-0"



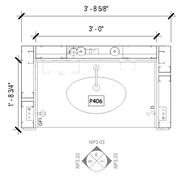
3 HMS01L - Electrical Elevation
NP3.03 3/4" = 1'-0"



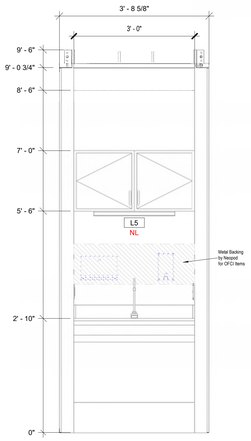
4 HMS01L - M/G Elevation
NP3.03 3/4" = 1'-0"

HMS01L - Patient Room Headwall

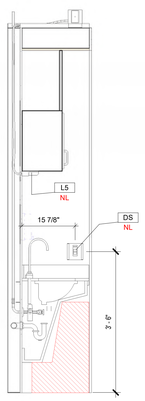
Left Configuration Shown - Opposite Hand Similar



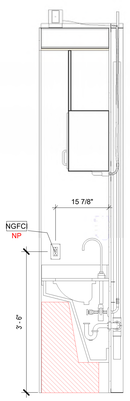
5 SPR02S - Plan View
3/4" = 1'-0"



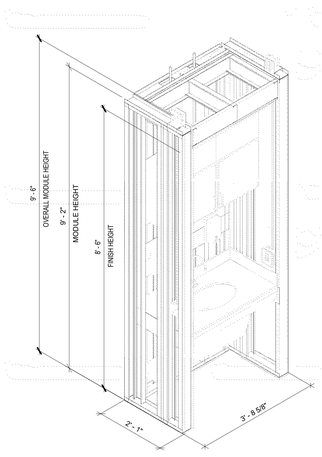
6 SPR02S - Int. Elev. - North
NP3.03 3/4" = 1'-0"



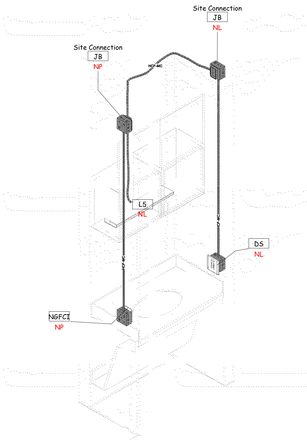
7 SPR02S - Int. Elev. - East
NP3.03 3/4" = 1'-0"



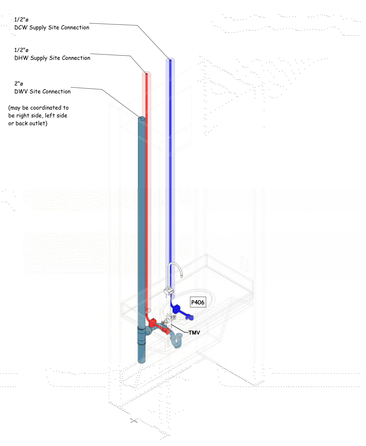
8 SPR02S - Int. Elev. West
NP3.03 3/4" = 1'-0"



9 SPR02S - 3D Axonometric



10 SPR02S - Electrical Axonometric



11 SPR02S - Plumbing Axonometric

SPR02S - Patient Room Sinkwall

Back Outlet Configuration Shown - Left & Right Side Outlet Similar

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	90% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR: Designer	DATE: 12/11/2024 3:25:29 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Author

CLIENT NAME: HCA

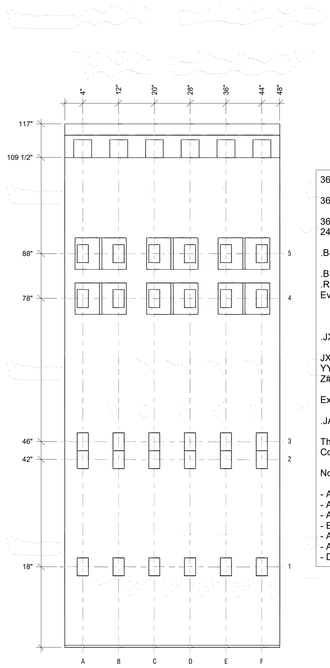
PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: Enlarged Module Views

SHEET NUMBER: **NP3.03**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025



362.NEOWALL.24".B-7185.JA-CP1-A1D2

362.NEOWALL.24"

362 is the stud size (362 = 3.62" = 3 5/8")
24" is the wall length (0" is near grid A)

.B-7185

.B is 6" flatstrap on drywall side of wall
.RB is flatstrap on non-drywall side of wall
Every two digits is a centerline elevation of backing
71 is 71" center
85 is 85" center

.JX-YYY-Z#Z#Z#Z#

JX = Location of circuit connection/junction box
YYY = Circuit type and number (e.g. NP1 for Normal Power circuit 1)
Z#Z#Z#... = Location of devices on this circuit

Example:

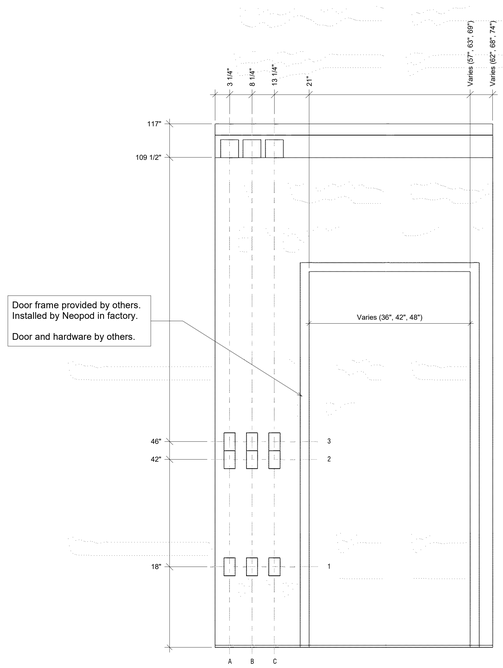
.JA-CP1-A1D2

This is Critical Power circuit #1 with devices at locations A1 and D2.
Connection for this circuit at top of wall is at position JA.

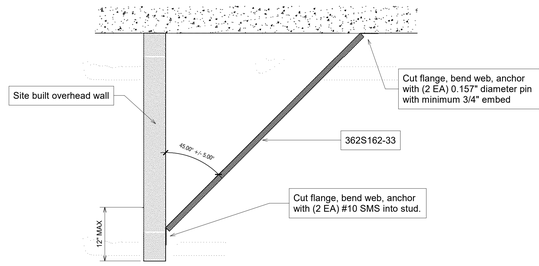
Notes:

- All NP circuits are MC HCF cable
- All EP, NL, and EL circuits are 1/2" EMT
- All boxes are 4" SQ
- Elevations 4 and 5 (78" and 88" AFF) are TV box TVBS505
- All low-voltage raceways for NC/Data are 1" EMT
- All studs are 20g structural (33 mil)
- Drywall is one side only

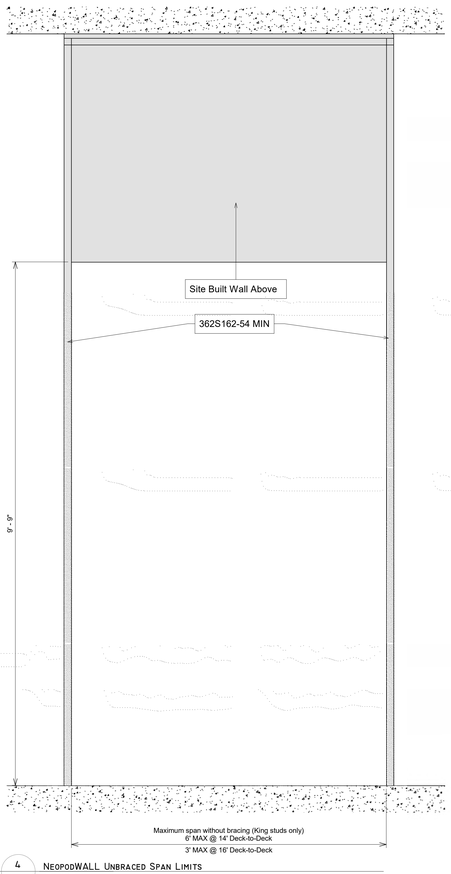
1 NeopodWALL Elevation-Legend
1" = 1'-0"



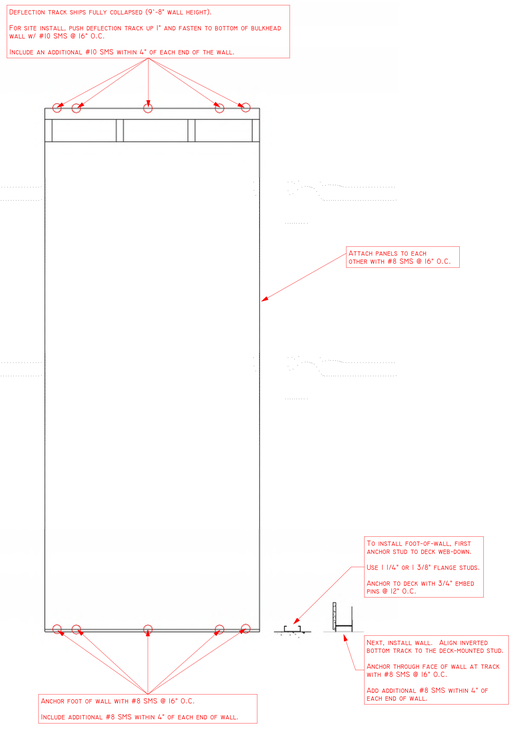
2 NeopodWALL Door Elevation - Legend
1" = 1'-0"



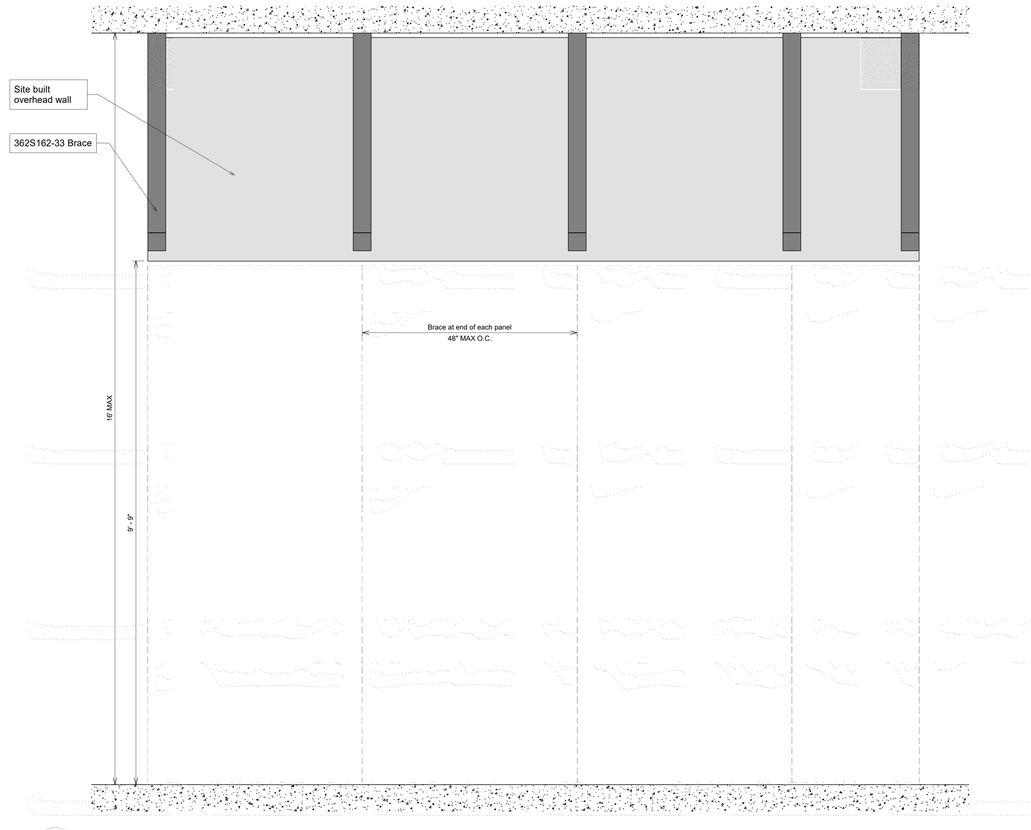
3 NeopodWALL Site Bracing Section
1" = 1'-0"



4 NeopodWALL Unbraced Span Limits
1" = 1'-0"



5 NeopodWALL Install Detail
1" = 1'-0"



6 NeopodWALL Site Bracing Section Copy 1
1" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - SD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	Neopod Vendor Set / Shop Dwg Submittal - DD Release	9/18/24
V4	50% CD Check Set	10/22/24
V5	90% CD Progress Set	11/21/24
V6	100% CD New Rev.	12/11/24

DESIGN COORDINATOR: Designer
DATE: 12/11/2024 3:25:32 PM
PROJECT MGR: Ryan Hauser
DESIGN MGR: Author
CLIENT NAME: HCA
PROJECT NAME: HCA - Lee's Summit MC
SHEET NAME: NeopodWALL Details
SHEET NUMBER: **NP3.52**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR A NORTH
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:03:34 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME: HCA

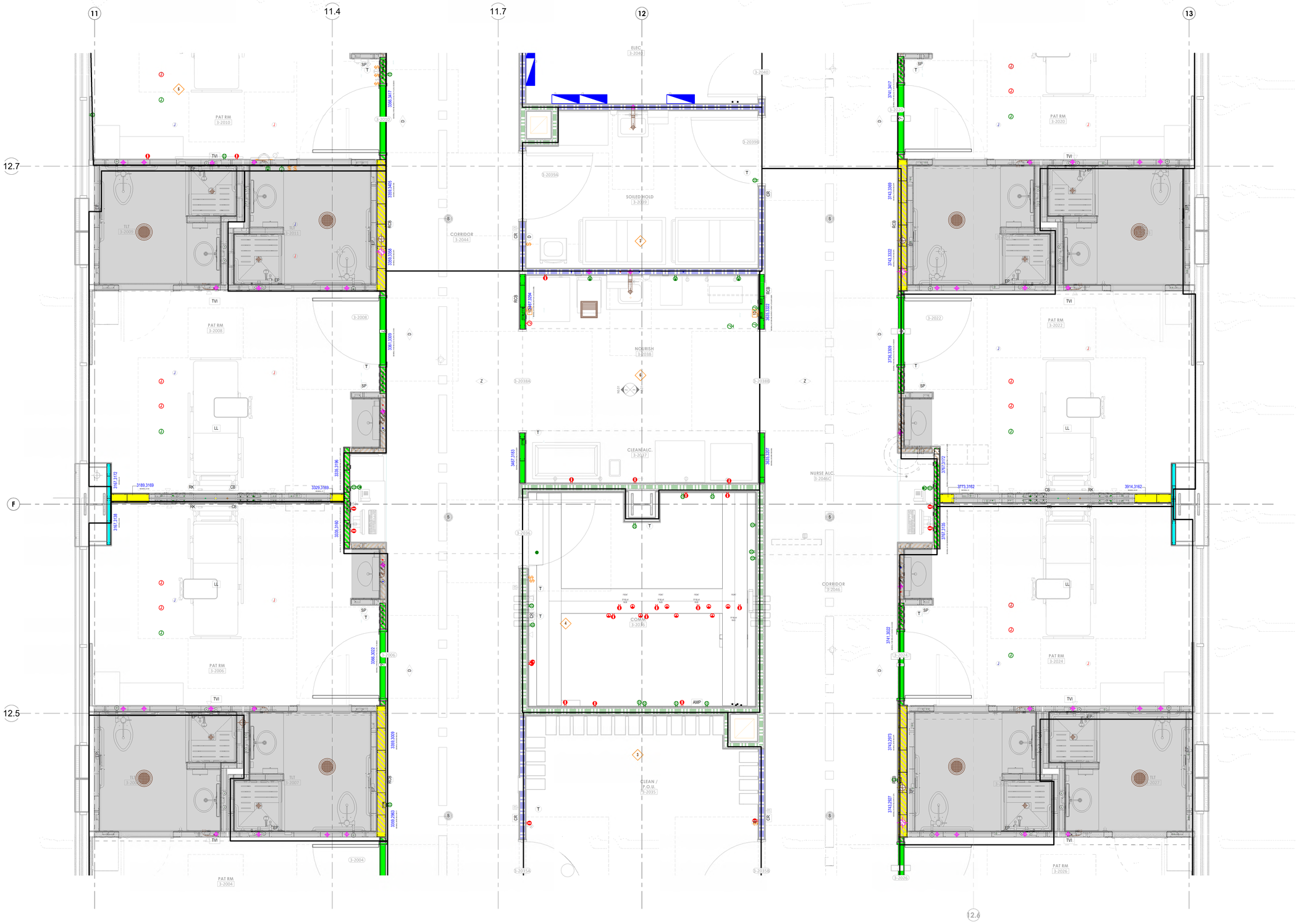
PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: NeopodWALL Enlarged Floor Plan

SHEET NUMBER: **N4.00**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025



1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR A MIDDLE
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DO Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DO Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR	DATE
Todd Swallows	12/11/2024 3:03:38 PM
PROJECT MGR	DESIGN MGR
Ryan Hauser	Sarah Bryant

CLIENT NAME

HCA

PROJECT NAME

HCA - Lee's Summit MC

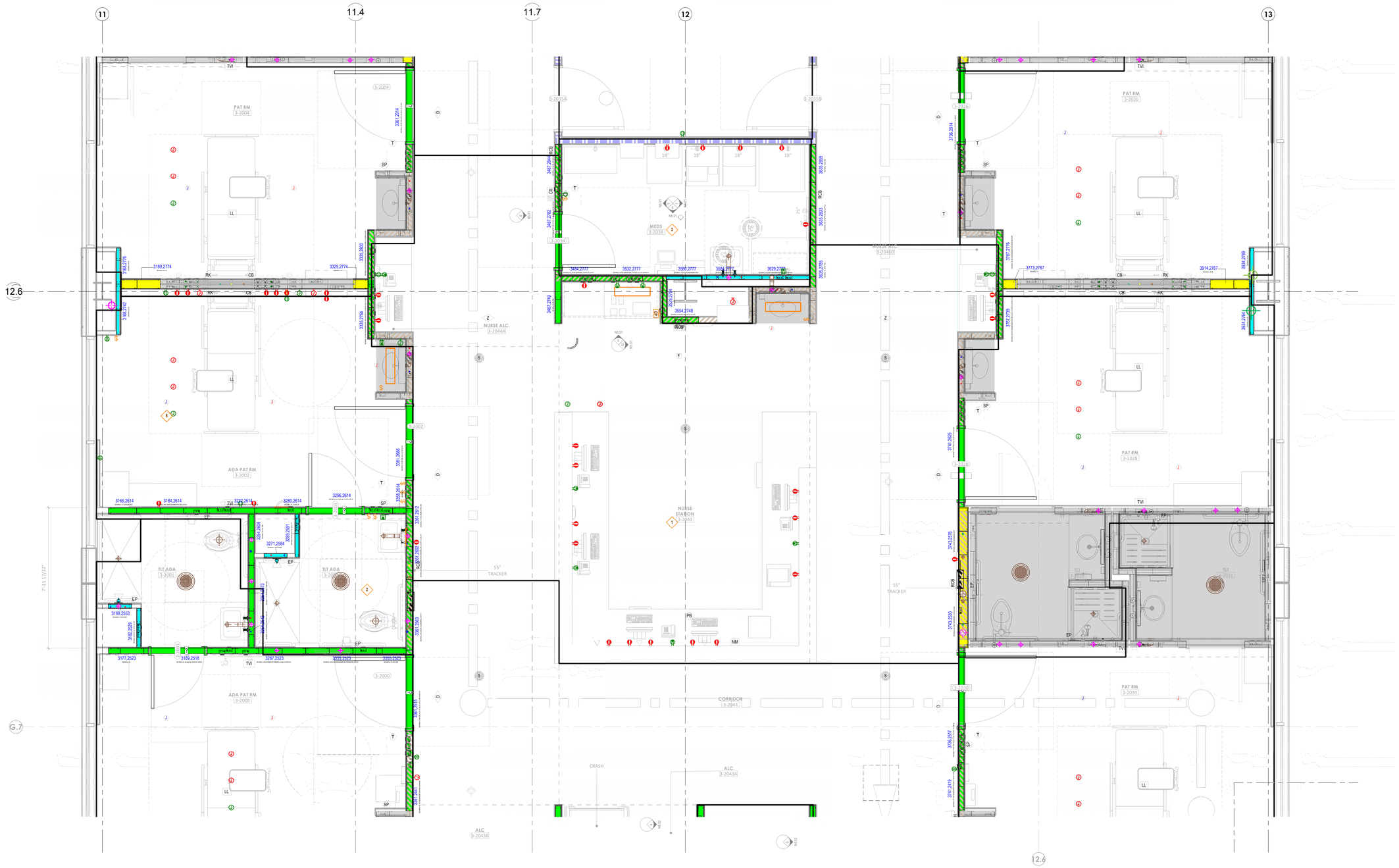
SHEET NAME

NeopodWALL Enlarged Floor Plan

SHEET NUMBER

N4.01

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR A SOUTH I
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DO Release	7/2/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DO Progress Update	8/2/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:03:43 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME: HCA

PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: NeopodWALL Enlarged Floor Plan

SHEET NUMBER: **N4.02**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025

1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR A SOUTH 2
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/2/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:03:48 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME

HCA

PROJECT NAME

HCA - Lee's Summit MC

SHEET NAME

NeopodWALL Enlarged Floor Plan

SHEET NUMBER

N4.03

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025

1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR B WEST
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DO Release	7/2/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DO Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:04:00 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME: HCA

PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: NeopodWALL Enlarged Floor Plan

SHEET NUMBER: **N4.04**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR B MIDDLE
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

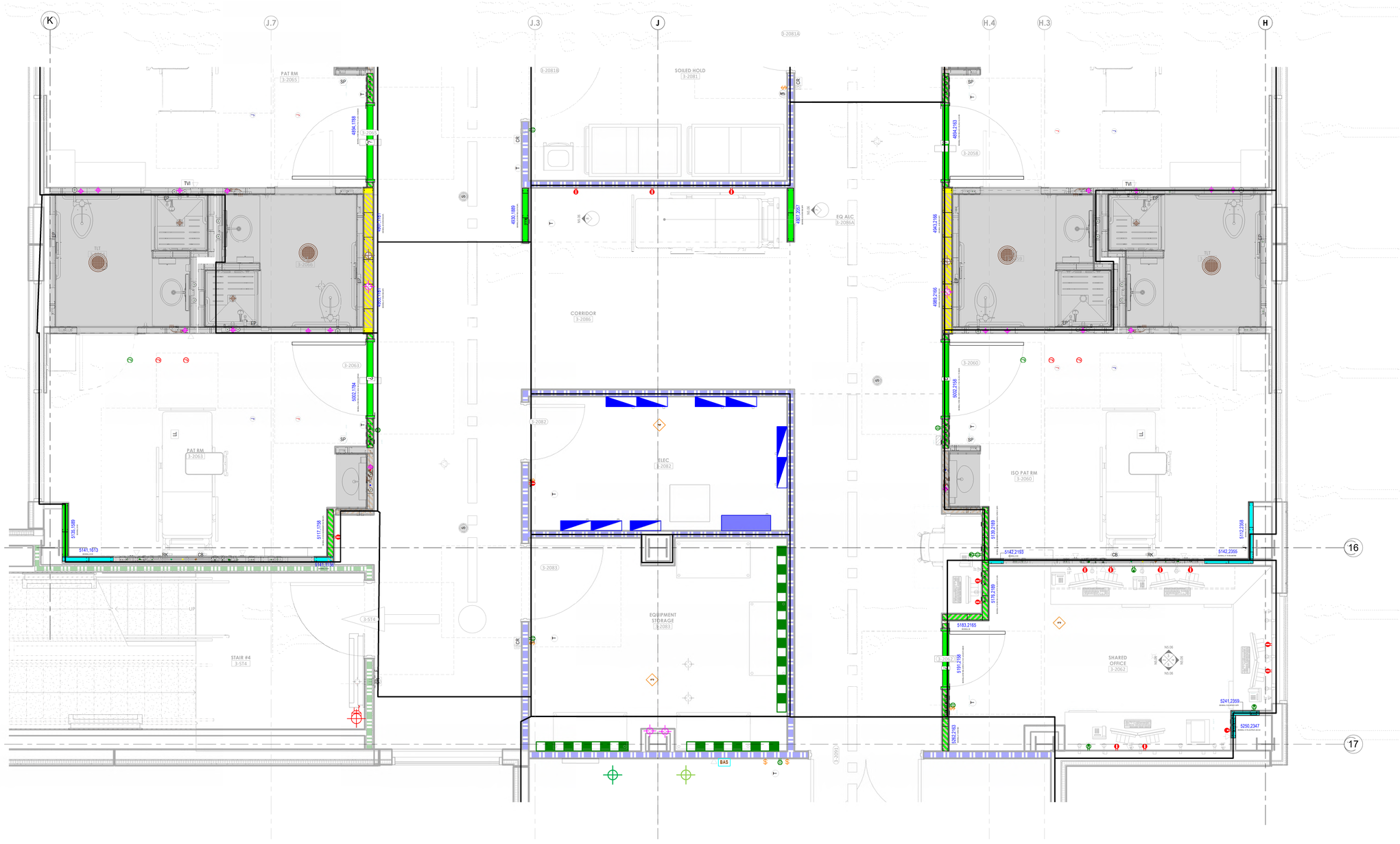
LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows
DATE: 12/11/2024 3:04:11 PM
PROJECT MGR: Ryan Hauser
DESIGN MGR: Sarah Bryant
CLIENT NAME: HCA
PROJECT NAME: HCA - Lee's Summit MC
SHEET NAME: NeopodWALL Enlarged Floor Plan
SHEET NUMBER: **N4.05**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 LEVEL 3 ENLARGED FLOOR PLAN - SECTOR B EAST
1/2" = 1'-0"

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:04:22 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME: HCA

PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: NeopodWALL Enlarged Floor Plan

SHEET NUMBER: **N4.06**

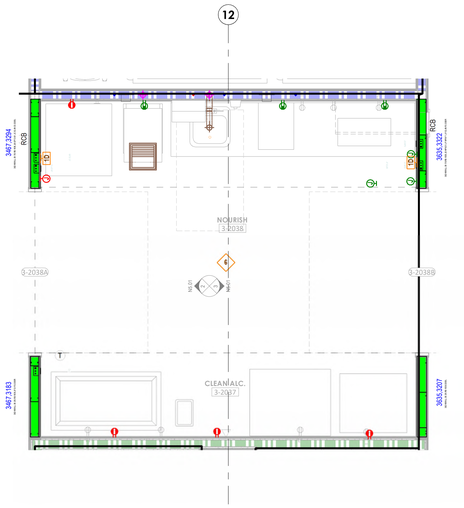
RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025

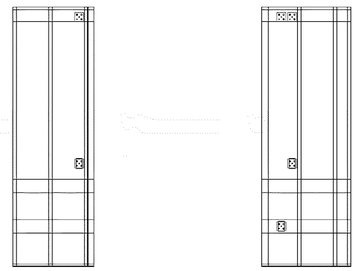
11
11.4
ISO PAT RM
3-2014
TVI
EP
TLT
3-2015
3-2012
PAT RM
3-2012
LL
SP
RK
CB
D.5
D.6
E
3189.3565
3168.3267
3168.3504
3329.3660
3335.3565
3335.3991
3335.3705
3335.3705
3335.3705

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

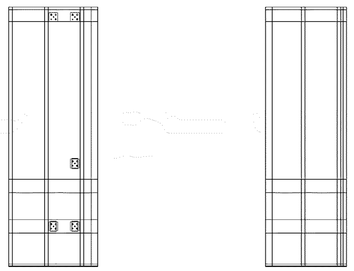
Development Services Department
Lee's Summit, Missouri
10/01/2025



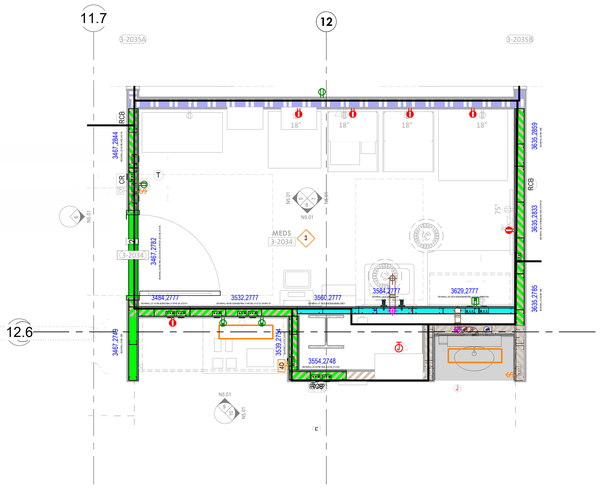
1 NEOPODWALLS - NOURISH 3-2038 / CLEAN ALC.
1/2" = 1'-0"



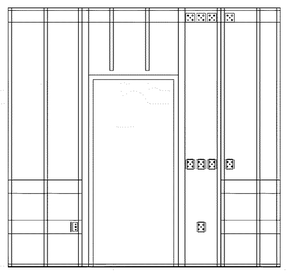
2 ELEV. NOURISH 3-2038 / CLEAN ALC. WEST
N4..01 1/2" = 1'-0"



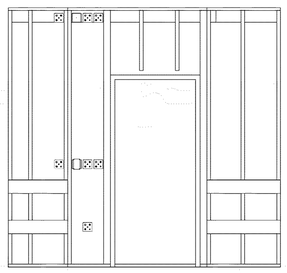
3 ELEV. NOURISH 3-2038 / CLEAN ALC. EAST
N4..01 1/2" = 1'-0"



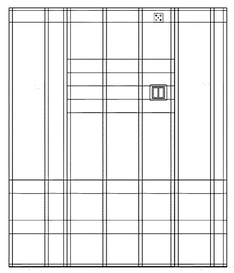
4 NEOPODWALLS - MEDS 3-2034
1/2" = 1'-0"



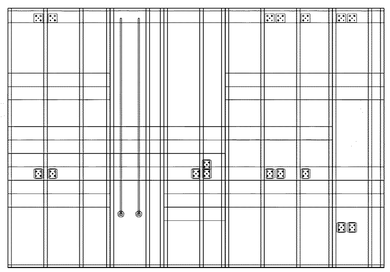
5 ELEV. MEDS 3-2034 INT. WEST
N4..02 1/2" = 1'-0"



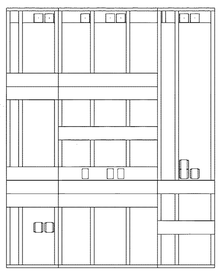
6 ELEV. MEDS 3-2034 CORRIDOR WEST
N4..02 1/2" = 1'-0"



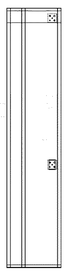
7 ELEV. MEDS 3-2034 INT. EAST
N4..02 1/2" = 1'-0"



8 ELEV. MEDS 3-2034 INT. SOUTH
N4..02 1/2" = 1'-0"

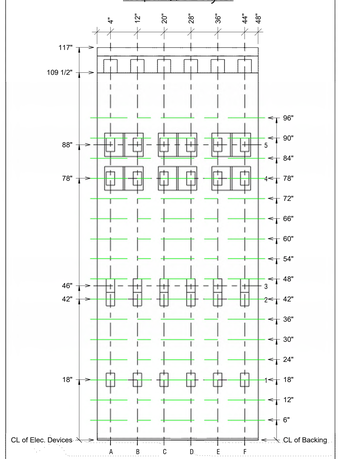


9 ELEV. MEDS 3-2034 EXT. SOUTH
N4..02 1/2" = 1'-0"



10 ELEV. MEDS 3-2034 EXT. EAST
N4..02 1/2" = 1'-0"

NeopodWALL Legend



362:NEOWALL 24" /I-7185 JA-CP1-A102

362:NEOWALL 24"

362 is the stud size (362 = 3.62" = 3 5/8")
24" is the wall length (0" is near grid A)

/I-7185

/I is 6" flatstrap on drywall side of wall
/SB is flatstrap on non-drywall side of wall
Every two digits is a centerline elevation of backing
71 is 71" center
85 is 85" center

/JX-YYY-ZKZKZKZ#

/JX = Location of circuit connection/junction box
YYY = Circuit type and number (e.g. NP1 for Normal Power circuit 1)
ZKZKZK... = Location of devices on this circuit

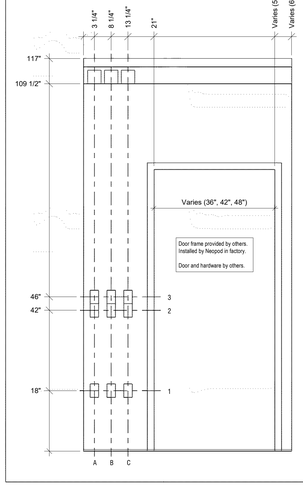
Example:

/JA-CP1-A102

This is Critical Power circuit #1 with devices at locations A1 and 02.
Connection for this circuit at top of wall is at position JA.

Notes:

- All NP circuits are MC HCF cable
- All EP, NL, and EL circuits are 1/2" EMT
- All boxes are 4" SQ
- Elevations 4 and 5 (18" and 88" AFF) are TV box TVBS505
- All low-voltage raceways for NC/Data are 1" EMT
- All studs are 20g structural (33 mil)
- Drywall is one side only



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

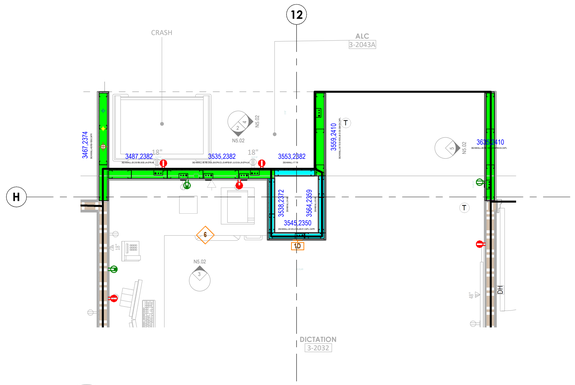
RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

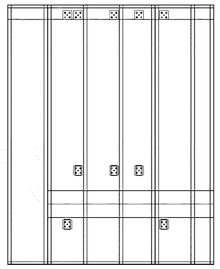
DESIGN COORDINATOR: Todd Swallows
DATE: 12/11/2024 3:04:56 PM
PROJECT MGR: Ryan Hauser
DESIGN MGR: Sarah Bryant
CLIENT NAME: HCA
PROJECT NAME: HCA - Lee's Summit MC
SHEET NAME: NeopodWALL Elevations
SHEET NUMBER: **N5.01**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

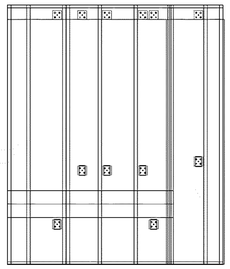
Development Services Department
Lee's Summit, Missouri
10/01/2025



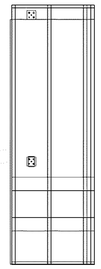
1 NEOPODWALLS - DICTATION
1/2" = 1'-0"



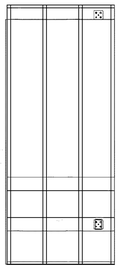
2 N4.03 ELEV. CRASH CART AREA
1/2" = 1'-0"



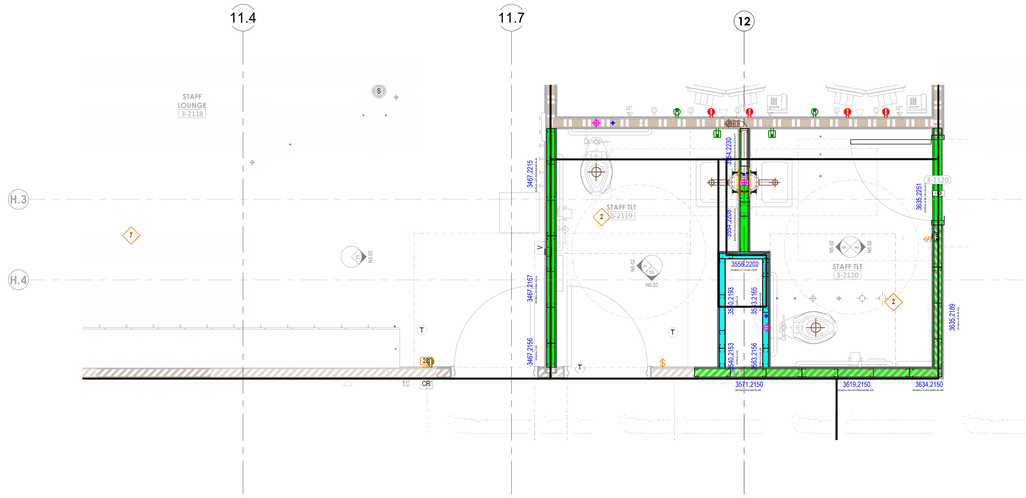
3 N4.03 ELEV. DICTATION NORTH
1/2" = 1'-0"



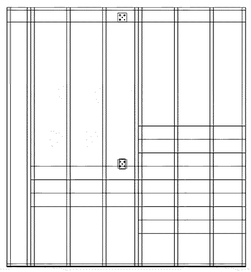
4 N4.02 ELEV. ALC. EAST
1/2" = 1'-0"



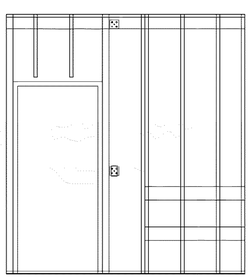
5 N4.02 ELEV. DICTATION EAST
1/2" = 1'-0"



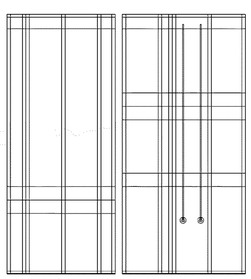
6 NEOPODWALLS - STAFF LOUNGE / STAFF TLT
1/2" = 1'-0"



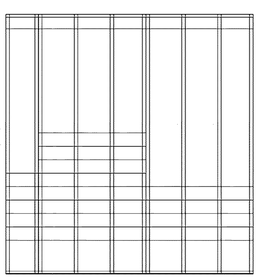
7 N4.03 ELEV. STAFF TLT INT. WEST
1/2" = 1'-0"



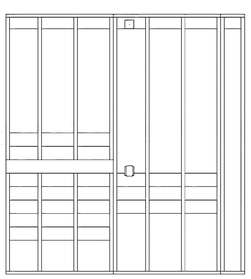
8 N4.03 ELEV. STAFF TLT INT. EAST
1/2" = 1'-0"



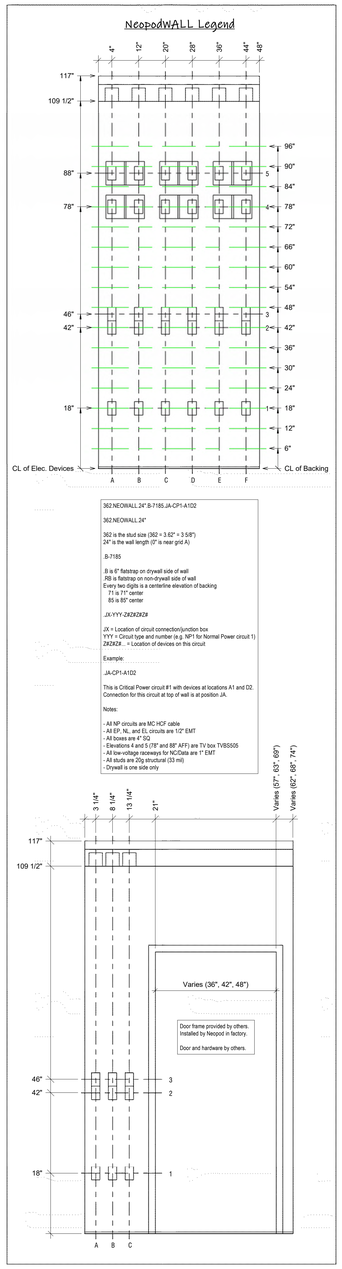
9 N4.03 ELEV. INT WET WALLS
1/2" = 1'-0"



10 N4.03 ELEV. STAFF TLT INT. SOUTH
1/2" = 1'-0"



11 N4.03 ELEV. STAFF LOUNGE INT. EAST
1/2" = 1'-0"



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:05:08 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME: HCA

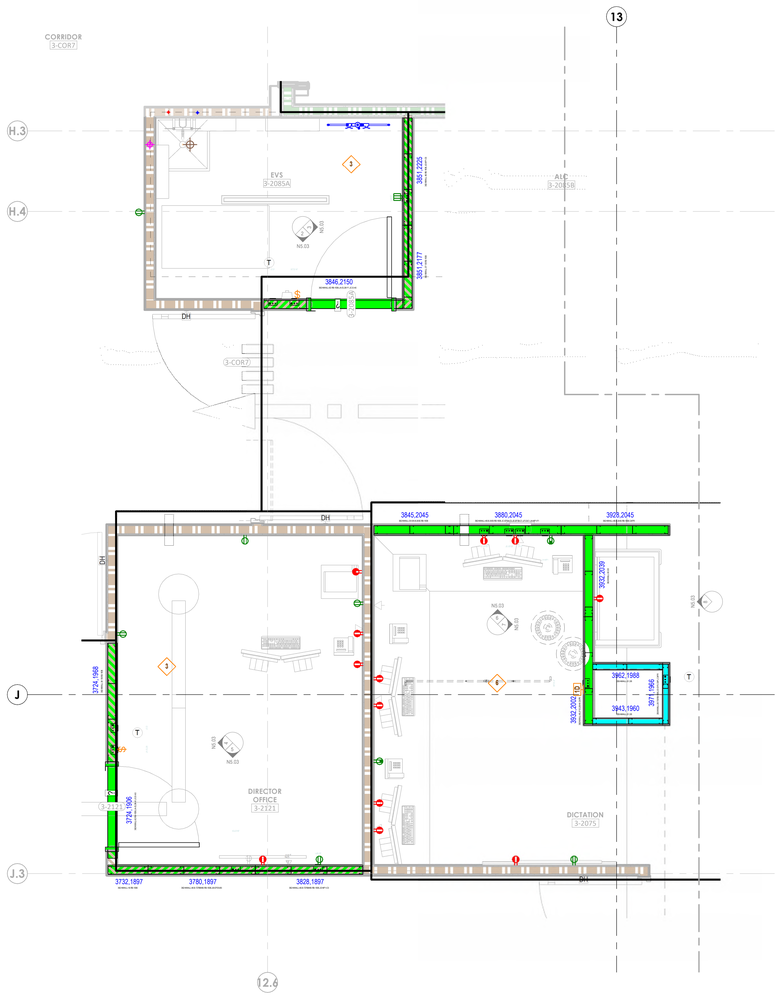
PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: NeopodWALL Elevations

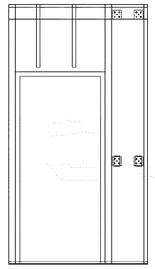
SHEET NUMBER: **N5.02**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

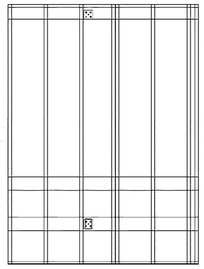
Development Services Department
Lee's Summit, Missouri
10/01/2025



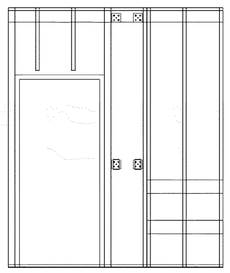
1 NeopodWALLS - EVS / Director Off. / Dictation
1/2" = 1'-0"



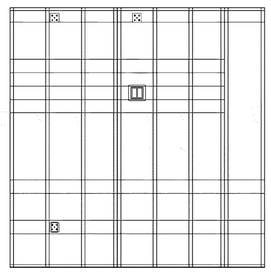
2 N4.03 Elev. EVS Int. South
1/2" = 1'-0"



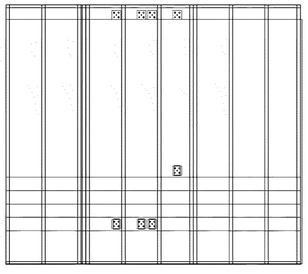
3 N4.03 Elev. EVS Int. East
1/2" = 1'-0"



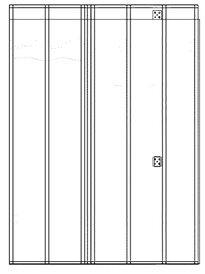
4 N4.03 Elev. Director Off. Int. West
1/2" = 1'-0"



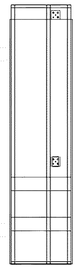
5 N4.03 Elev. Director Off. Int. South
1/2" = 1'-0"



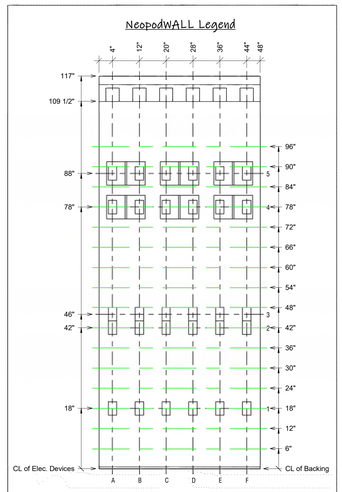
6 N4.03 Elev. Dictation Int. North
1/2" = 1'-0"



7 N4.03 Elev. Dictation Int. East
1/2" = 1'-0"



8 N4.04 Elev. Corridor
1/2" = 1'-0"



362:NEOWALL:24":B-7185:JA-CP1-A102

362:NEOWALL:24"

362 is the stud size (362 = 3.62" = 3-5/8")
24" is the wall length (0" is near grid A)

B-7185

B is 6" flatstrap on drywall side of wall
7B is flatstrap on non-drywall side of wall
Every two digits is a centerline elevation of backing
  71 is 71" center
  85 is 85" center

JX-YYY-ZKZKZKZ#

JX = Location of circuit connection/junction box
YYY = Circuit type and number (e.g. NP1 for Normal Power circuit 1)
ZKZKZK... = Location of devices on this circuit

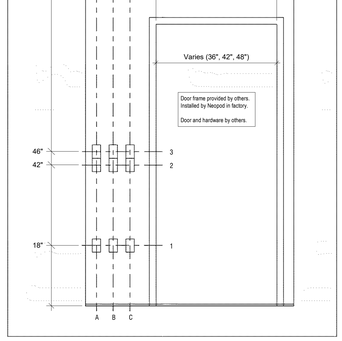
Example:

JA-CP1-A102

This is Critical Power circuit #1 with devices at locations A1 and D2.
Connection for this circuit at top of wall is at position JA.

Notes:

- All NP circuits are MC HCF cable
- All EP, NL, and EL circuits are 1/2" EMT
- All boxes are 4" SQ
- Elevations 4 and 5 (78" and 88" AFF) are TV box TVBS505
- All low-voltage raceways for NC/Data are 1" EMT
- All studs are 20g structural (33 mil)
- Drywall is one side only



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

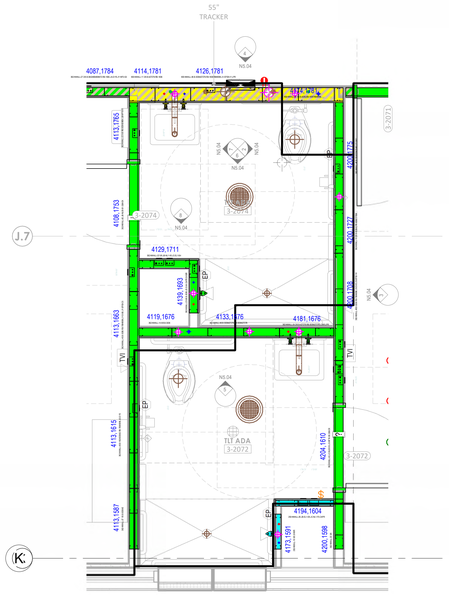
RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

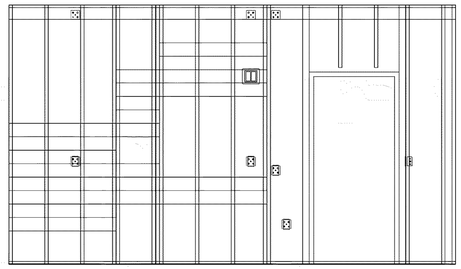
DESIGN COORDINATOR: Todd Swallows
DATE: 12/11/2024 3:05:25 PM
PROJECT MGR: Ryan Hauser
DESIGN MGR: Sarah Bryant
CLIENT NAME: HCA
PROJECT NAME: HCA - Lee's Summit MC
SHEET NAME: NeopodWALL Elevations
SHEET NUMBER: **N5.03**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

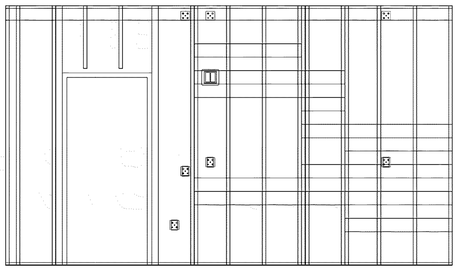
Development Services Department
Lee's Summit, Missouri
10/01/2025



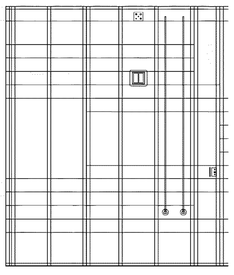
1 NeopodWALLS - Typical Site Built TLT ADA
1/2" = 1'-0"



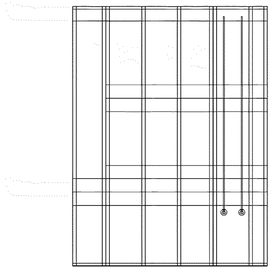
2 N4.04 Elev. TLT ADA Int. East
1/2" = 1'-0"



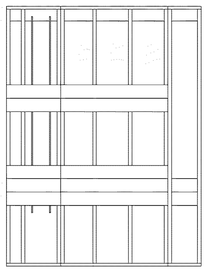
3 N4.04 Elev. TLT ADA PR Side
1/2" = 1'-0"



4 N4.04 Elev. Corridor Side North
1/2" = 1'-0"

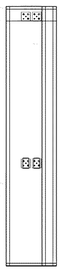


5 N4.04 Elev. TLT Plumbing Wall
1/2" = 1'-0"

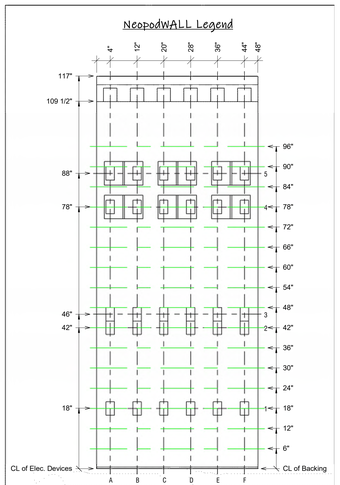


6 N4.04 Elev. TLT ADA Shower Back Wall
1/2" = 1'-0"

7 N4.04 Elev. TLT ADA Shower Control Wall
1/2" = 1'-0"



8 N4.04 Elev. TLT ADA Light Control Wall
1/2" = 1'-0"



362:NEOWALL 24" B-7185 JA-CP1-A102

362:NEOWALL 24"

362 is the stut size (362 = 3.62" = 3 5/8")
24" is the wall length (0" is near grid A)

/I-7185

/I is 6" fastnsp on drywall side of wall
/RB is fastnsp on non-drywall side of wall
Every two digits is a centerline elevation of backing
  71 is 71" center
  85 is 85" center

/JX-YYY-ZXZXZX/I

JX = Location of circuit connection/junction box
YYY = Circuit type and number (e.g. NP1 for Normal Power circuit 1)
ZXZXZX. = Location of devices on this circuit

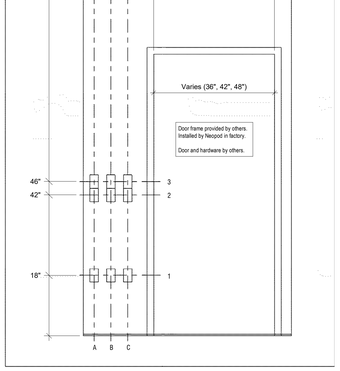
Example:

/JA-CP1-A102

This is Critical Power circuit #1 with devices at locations A1 and D2.
Connection for this circuit at top of wall is at position JA.

Notes:

- All NP circuits are MC HCF cable
- All EP, NL, and EL circuits are 1/2" EMT
- All boxes are 4" SQ
- Elevations 4 and 5 (19" and 88" AFF) are TV box TVBS505
- All low-voltage raceways for NC/Data are 1" EMT
- All studs are 20g structural (33-mil)
- Drywall is one side only



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DD Release	7/23/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DD Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows	DATE: 12/11/2024 3:05:35 PM
PROJECT MGR: Ryan Hauser	DESIGN MGR: Sarah Bryant

CLIENT NAME: HCA

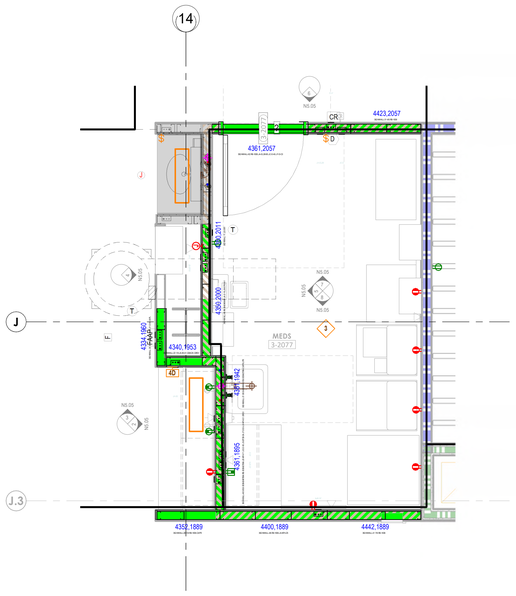
PROJECT NAME: HCA - Lee's Summit MC

SHEET NAME: NeopodWALL Elevations

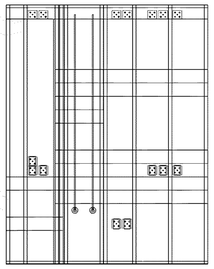
SHEET NUMBER: **N5.04**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

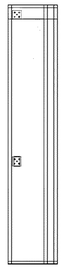
Development Services Department
Lee's Summit, Missouri
10/01/2025



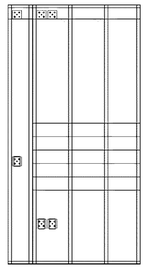
1 NeopodWALLS - MEDS 3-2077
1/2" = 1'-0"



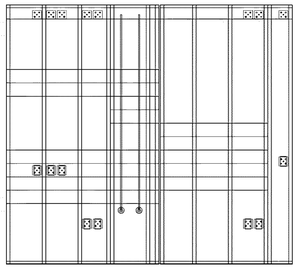
2 N4..04 Elev. Nurse Station Side
1/2" = 1'-0"



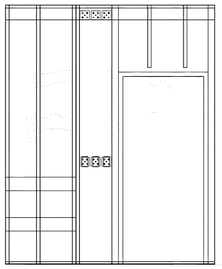
3 N4..04 Elev. Light Control Wall
1/2" = 1'-0"



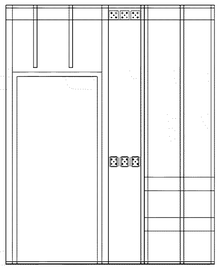
4 N4..04 Elev. P Tube Area
1/2" = 1'-0"



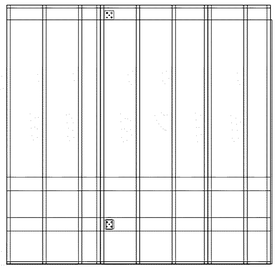
5 N4..04 Elev. MEDS Int. Side West
1/2" = 1'-0"



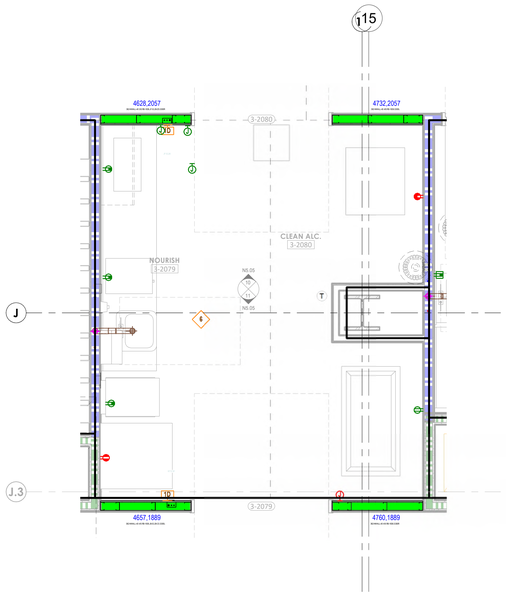
6 N4..04 Elev. MEDS 3-2077 Corridor Side North
1/2" = 1'-0"



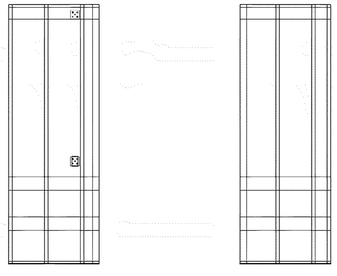
7 N4..04 Elev. MEDS 3-2077 Int. Side North
1/2" = 1'-0"



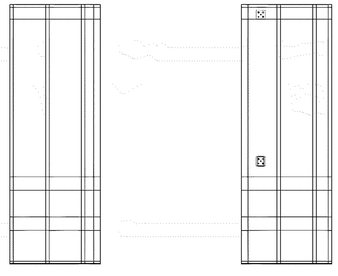
8 N4..04 Elev. MEDS 3-2077 Int. Side South
1/2" = 1'-0"



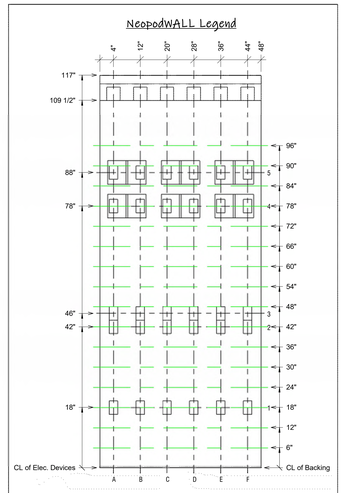
9 NeopodWALLS - Nourish 3-2079 / Clean ALC.
1/2" = 1'-0"



10 N4..05 Elev. Nourish 3-2079 / Clean ALC. North
1/2" = 1'-0"



11 N4..05 Elev. Nourish 3-2079 / Clean ALC. South
1/2" = 1'-0"



362.NEOWALL.24"-B-7185-JA-CP1-A102

362.NEOWALL.24"

362 is the stud size (362 = 3.62" = 3 5/8")
24" is the wall length (0" is near grid A)

B-7185

B is 6" fillstrap on drywall side of wall
RB is fillstrap on non-drywall side of wall
Every two digits is a centerline elevation of backing
. 71 is 71" center
. 85 is 85" center

JX-YYY-ZKZKZK2#

JX = Location of circuit connection/junction box
YYY = Circuit type and number (e.g. NP1 for Normal Power circuit 1)
ZKZKZ#... = Location of devices on this circuit

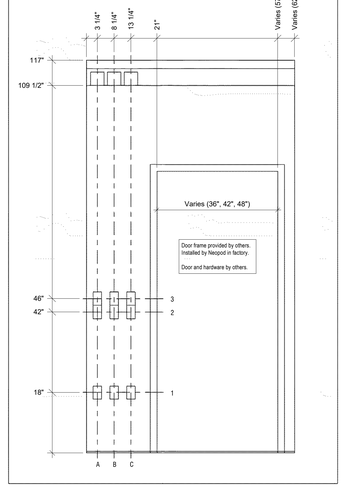
Example:

JA-CP1-A102

This is Critical Power circuit #1 with devices at locations A1 and D2.
Connection for this circuit at top of wall is at position JA.

Notes:

- All NP circuits are MC HCF cable
- All EP, NL, and EL circuits are 1/2" EMT
- All boxes are 4" SQ
- Elevations 4 and 5 (78" and 88" AFF) are TV box TVBS505
- All low-voltage raceways for NC/Data are 1" EMT
- All studs are 20g structural (33 mil)
- Drywall is one side only



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DO Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DO Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

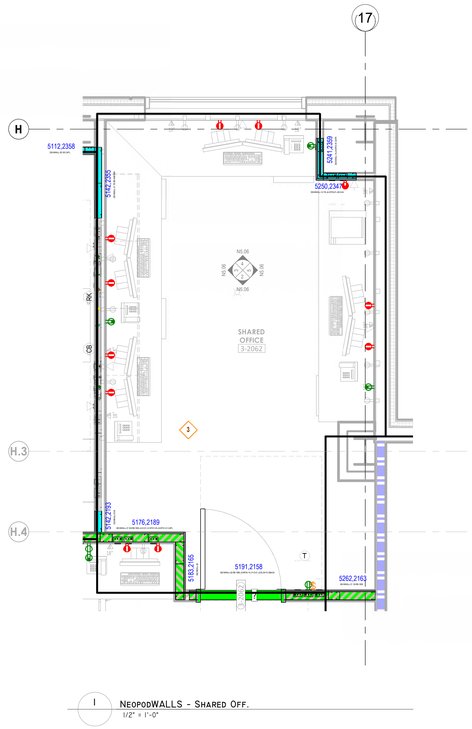
DESIGN COORDINATOR	DATE
Todd Swallows	12/11/2024 3:05:47 PM
PROJECT MGR	DESIGN MGR
Ryan Hauser	Sarah Bryant

CLIENT NAME
HCA

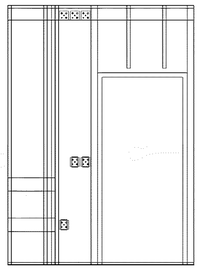
PROJECT NAME
HCA - Lee's Summit MC

SHEET NAME
NeopodWALL Elevations

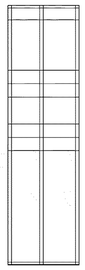
SHEET NUMBER
N5.05



1 NeopodWALLS - Shared Off.
1/2" = 1'-0"

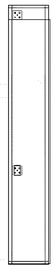


2 N4.06 Elev. Shared Off. Door Wall
1/2" = 1'-0"

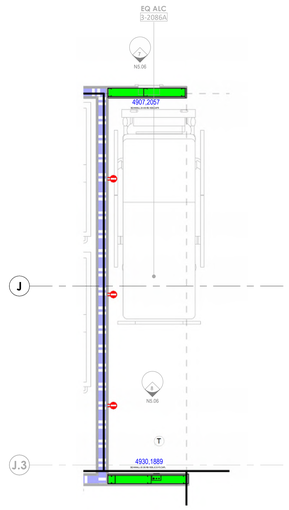


3 N4.06 Elev. Shared Off. Int West
1/2" = 1'-0"

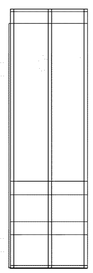
4 N4.06 Elev. Shared Off. Int. North
1/2" = 1'-0"



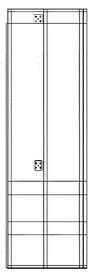
5 N4.06 Elev. Shared Off. Int. East
1/2" = 1'-0"



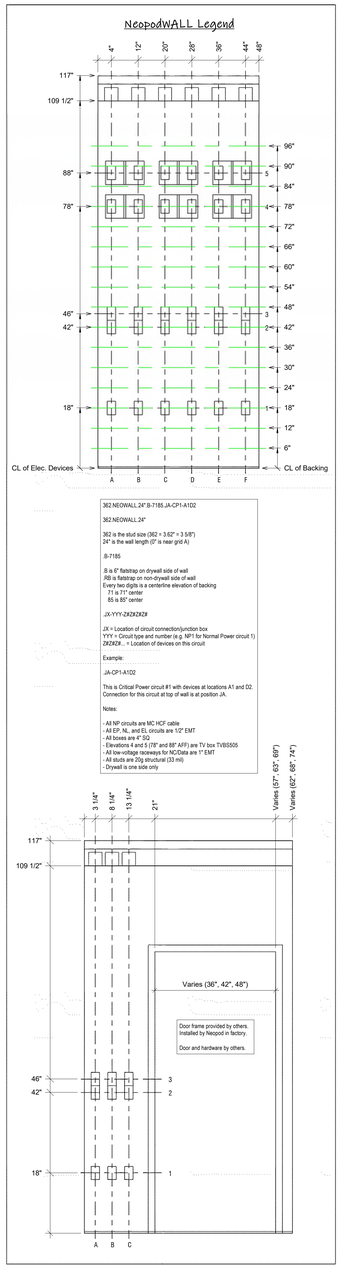
6 NeopodWALLS - EQ ALC 3-2086A
1/2" = 1'-0"



7 N4.06 Elev. EQ ALC North
1/2" = 1'-0"



8 N4.06 Elev. EQ ALC South
1/2" = 1'-0"



362:NEOWALL.24" B-7185 JA-CP1-A1D2

362:NEOWALL.24"

362 is the stud size (362 = 3.62" = 3 5/8")
24" is the wall length (0" is near grid A)

:B-7185

:B is 5" flatstrap on drywall side of wall
:RB is flatstrap on non-drywall side of wall
Every two digits is a centerline elevation of backing
:71 is 71" center
:85 is 85" center

:JX-YYY-ZKZKZKZ#

JX = Location of circuit connection/junction box
YYY = Circuit type and number (e.g. NP1 for Normal Power circuit 1)
ZKZKZK... = Location of devices on this circuit

Example:

:JA-CP1-A1D2

This is Critical Power circuit #1 with devices at locations A1 and D2.
Connection for this circuit at top of wall is at position JA.

Notes:

- All NP circuits are MC HCF cable
- All EP, NL, and EL circuits are 1/2" EMT
- All boxes are 4" SQ
- Elevations 4 and 5 (78" and 88" AFF) are TV box TVBS505
- All low-voltage raceways for NC/Data are 1" EMT
- All studs are 20g structural (33 mil)
- Drywall is one side only

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

HCA Healthcare®

PROJECT

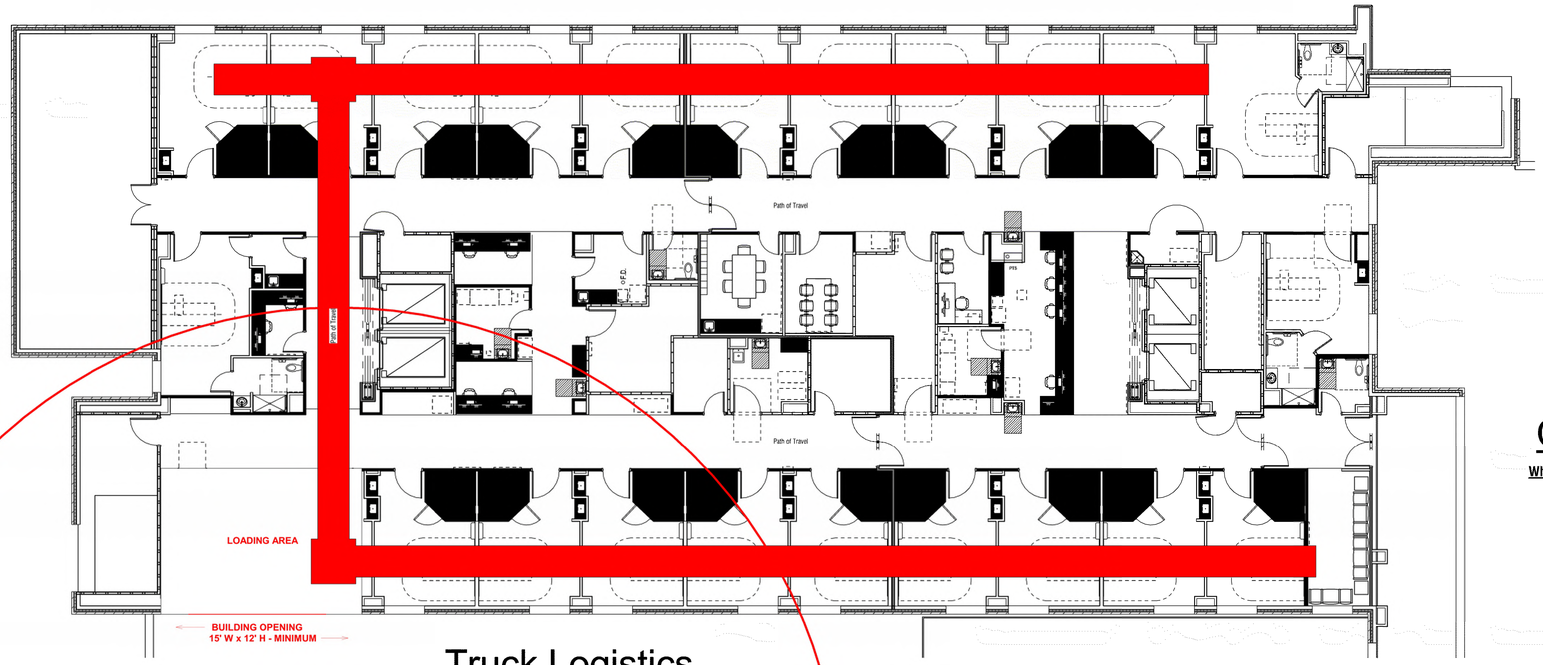
LEE'S SUMMIT MC

RELEASES & REVISIONS

#	DESCRIPTION	DATE
V1	Neopod Vendor Set / Shop Dwg Submittal - DO Release	7/03/2024
V2	Neopod Vendor Set / Shop Dwg Submittal - DO Progress Update	8/07/2024
V3	100% New Rev.	12/11/2024

DESIGN COORDINATOR: Todd Swallows
DATE: 12/11/2024 3:05:56 PM
PROJECT MGR: Ryan Hauser
DESIGN MGR: Sarah Bryant
CLIENT NAME: HCA
PROJECT NAME: HCA - Lee's Summit MC
SHEET NAME: NeopodWALL Elevations
SHEET NUMBER: **N5.06**

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



Truck Logistics

Units typically unloaded with forklift and hoisted into building or onto lifting platform

Unloading area within crane reach for truck w/ 40' flatbed

60'L X 30'W Minimum

CRANE MAXIUM REACH

GC TO PROVIDE:
1. Anchors for fall protection on each floor next to landing area on each floor.
2. Temporary mobile baricades to block the access and traffic in landing area.
3. A detachable safety rail that can be easily installed on the edge of the slab, when plateform is on the ground or in the air.

Provide additional contingency space 40'L X 10'W for staging of Module Units on the ground

40'L X 10'W Minimum

CRANE / PLATFORM REQUIREMENTS

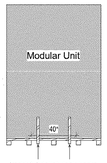
Crane must have a 12,500 lb minimum lifting capicity at it's furthest reach point

6,000 lb Platform
6,000 lb Max Unit Weight
500 lb Spreader Bar

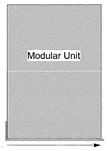
Forklift Requirements

Modular Units must be fully supported by Forklift / Pallet Jack Forks from Wall to Wall
(NO SHORT FORKS)

1. Forklift must have 10,000 lb. minimum lift capicity with 8' mimimum fork length.
2. Pallet Jacks must also have 8' minimum fork length.
3. Module can only be picked underneath where indicated on module! Pay special attention to where drains are located.



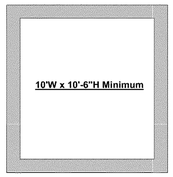
Forklift / Pallet Jack Forks
Must be picked where indicated



Forklift / Pallet Jack Forks
Must reach from wall to wall

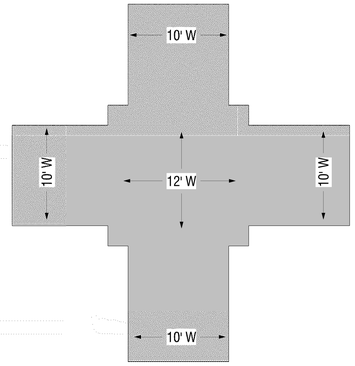
Path of Travel

Maintain a clear 10' Width x 10'-6" Height path of travel through the building to locate Modules at final placement.



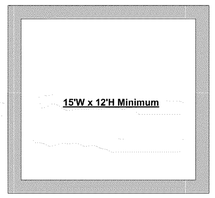
CHANGE IN DIRECTION

When a change in direction occurs maintain a 12' Width x 12' Long x 10'-6" Height



Building Opening

Required Opening for Loading Modules into Building with Crane
Opening may be smaller for deliveries less then 40' above grade and not using crane.
(Openings to be coordinated per project)



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

SHEET NAME
General Delivery Requirements

SHEET NUMBER
NS.G1.00

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
10/01/2025

Slab/Deck Depressions

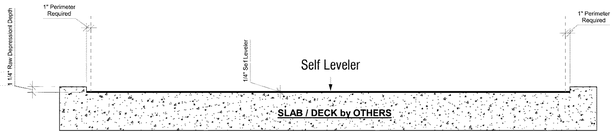
Depressions are only required for modules with floor drains, typically requiring sloped floors.
This increases the overall module floor thickness to meet slope requirements for proper drainage.
(Typically ADA Modules)

Depression Requirements:

1. 1-1/4" Raw depression depth.
2. 1/4" Self-leveler (By Others)
3. **1" Finish depression depth.**

(Alternate depth requirements to be coordinated per project)

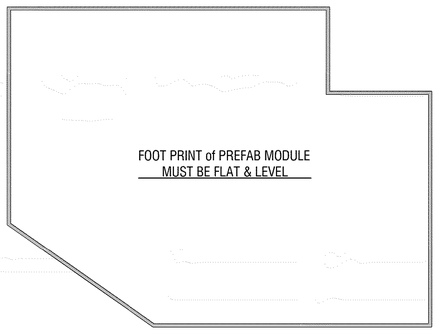
Depression must also be oversized by 1" around the perimeter of the Modular Unit.



Slab/Deck Preparation

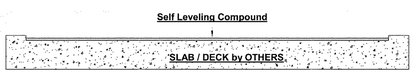
For Bathrooms, Headwalls & Footwalls

All locations receiving prefabricated modular units must be FLAT and LEVEL within the footprint of the module location.
1/8" in 10' Tolerance
Self-levelling compound typically required to achieve this requirement.



Depression Backfill

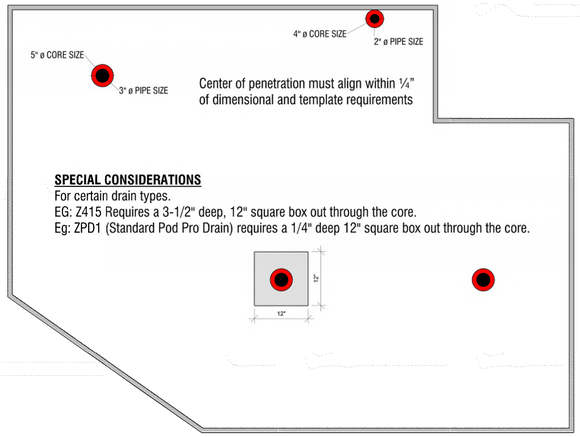
Self-levelling compound to be used to backfill depressions to correct final depth.
FLAT & LEVEL



Sleeves, Cores, & Other Penetrations

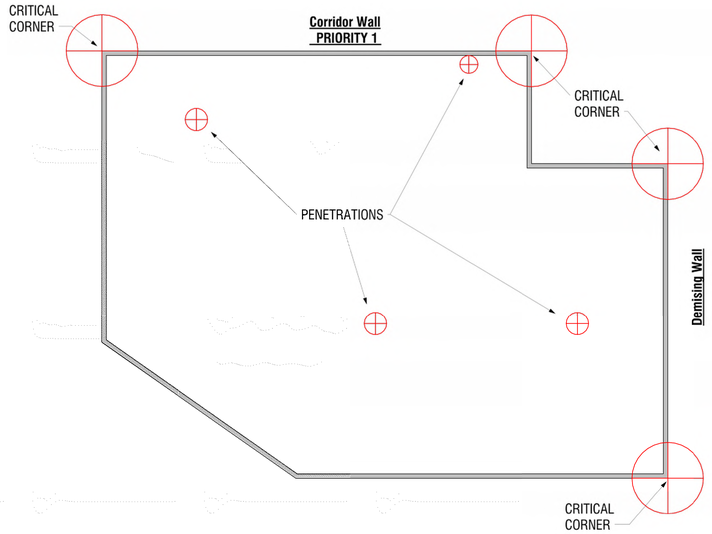
Sleeves and cores should be sized **2" larger** in diameter than the nominal pipe Ø .

NOTE:
Annular space **Greater than 1"** may require special fireproofing details.
Neopod is **Not Responsible** for fireproofing details, materials, or installation for penetrations in deck.



Module Placement Layout

Prior to field verification of deck preparation, layout lines must be provided.
Layout to Critical Walls - Typically Corridor (#1 Priority) and Demising Walls.
Use Template Provided by NEOPOD to mark corners and penetration locations.
Complete layout has all critical corners marked and all penetrations marked.



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

SHEET NAME
Site Preparation Requirements

SHEET NUMBER
NS.G1.01

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

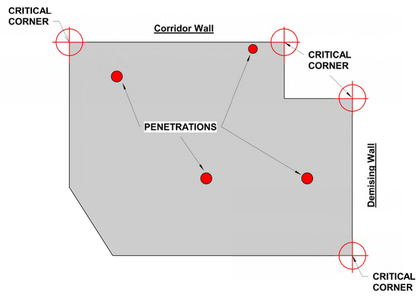
BATHROOM INSTALL / CONNECTION

GENERAL INSTRUCTIONS:

Unit to be hoisted from pallet using provided equipment.

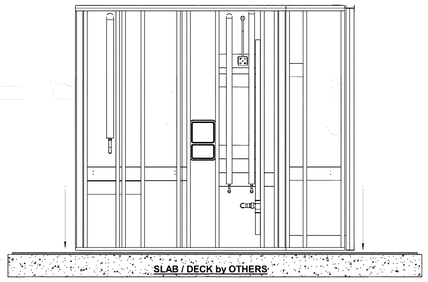
Jacks Installed At Pick Points.

STEP 1:
Verify Location for Flatness and Layout.
Space where unit is to be installed must be free of debris.



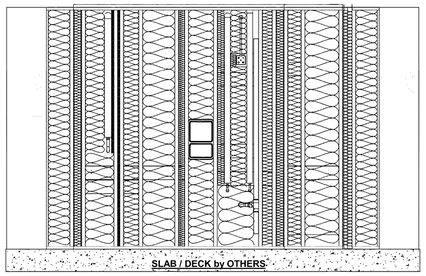
STEP 2:
Mix and spread Thinset over Installation area with ¼" square notch trowel.

STEP 3:
a.) Roll Module into Position.
b.) Lower Gradually and Evenly on all sides.
c.) With jacks still in place, Raise & Level with shims as necessary to Plumb the Module.
NOT TO EXCEED 1/4" SHIM
d.) Ensure finish floor of Module is higher than the Slab/Deck by a minimum thickness of the site installed finish floor materials. This allows for proper alignment of floor transitions.
e.) Remove jacks.

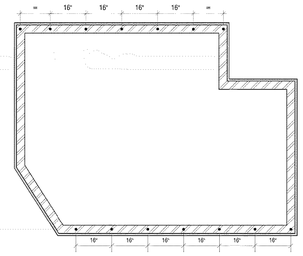


STEP 4:

Insulate Exterior Demising, Marriage Walls as required.
Materials provided by Neopod.

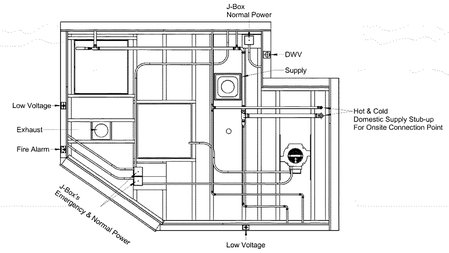


STEP 5:
a.) Shoot pins through bottom track into deck on at least two sides of module at 16" O.C. (1 1/8" minimum with 3/4" minimum embed into deck.)
Alternatively - Tapcons can be used
b.) Remove all packaging materials. Including but not limited to:
Dunnage, Corner Guards, Transhield Wrap (After site dry-in is complete)
Any dimensional lumber present (Attached to the inside of any up turned tracks provided for site top out) unscrew remove and discard.
c.) Backfill depression space when present. (By Others)



STEP 6:
MEP CONNECTIONS (ALL CONNECTIONS MADE ONSITE BY OTHERS)
All Onsite Connection Points For Standard Bathrooms are typically
Located On Top Of Module Ceiling. (Locations may vary per type)

- Hot & Cold Domestic Supply (With Stub-up)
- Domestic Waste & Vent
  (Also through bottom for connection to system below)
- Terminal Junction Boxes for normal and/or critical power & lighting supplies.
- Low Voltage Devices (ie; Nurse Calls) & Fire Alarms (where exists)
  (conduit stub up through wall top track w/ pull string)
- Exhaust / Supply Diffusers (where exists)
- Any required Insulation/Sealing of Exhaust/Supply By Others.
- Any required Fire-Safing / Sealing / Waterproofing of deck penetrations By Others.



HEADWALL / FOOTWALL INSTALL / CONNECTION

GENERAL INSTRUCTIONS:

Secure racked Headwalls / Footwalls with bracing.

Attach jacks to outside wall.

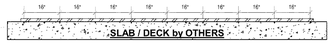
Free single wall from group in rack.

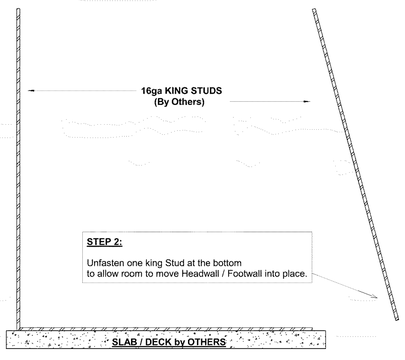
Ensure remaining units in rack are braced after freeing single wall.

Remove 2x4 in bottom track.

CONNECTION STUD TO DECK SUPPLIED BY NEOPOD
Ideally 1 3/8" flange architectural studs.
Alternatively, 1 ¼" flange interior grade / drywall studs may be used.

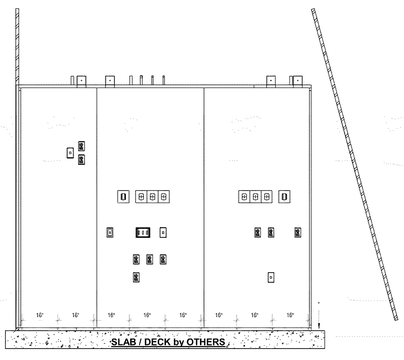
STEP 1:
a.) Verify layout and flatness requirements.
b.) Invert Stud & Anchor to Deck with ¾" pins at 16" O.C.



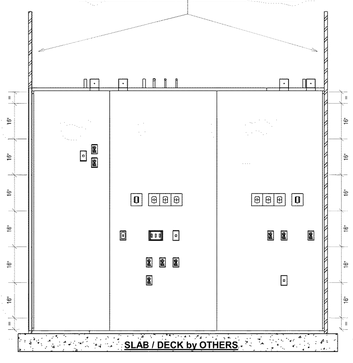


STEP 2:
Unfasten one king Stud at the bottom
to allow room to move Headwall / Footwall into place.

STEP 3:
a.) Move Headwall / Footwalls into position over Inverted Stud.
b.) One end at a time, Remove Jacks & Place Headwall / Footwall Down onto Inverted Stud.
c.) Ensure wall is level, shimming up to 1/4" MAX as needed and then attach Headwall / Footwall Bottom Track to Inverted Stud Horizontally with #8 SMS @ 16" O.C.

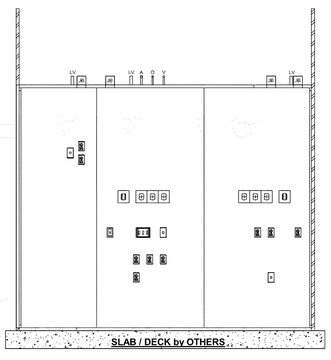


STEP 4:
a.) Reattach unfastened King Stud at the bottom.
b.) Ensure that the wall is plumb and aligned with adjacent framing while anchoring.
c.) One end a time:
Anchor Headwall / Footwall to 16ga King Studs with #8 SMS @ 16" O.C.
d.) Remove all packaging material



STEP 5:
MEP CONNECTIONS (ALL CONNECTIONS MADE ONSITE BY OTHERS)
All Onsite Connection Points For Standard Headwalls/ Footwalls
Located On Top Of Module. (Locations Vary Per Type)

- Electrical J-Box's & Low Voltage Devices
- Med/Gas - Air, Vacumm, Oxygen
- Domestic Water Supply & DWV
  (When Dialysis Box is Present)



neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

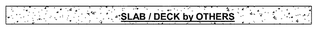
SHEET NAME
Install & Connection Requirement
Bathrooms & Headwalls

SHEET NUMBER
NS.G1.02

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

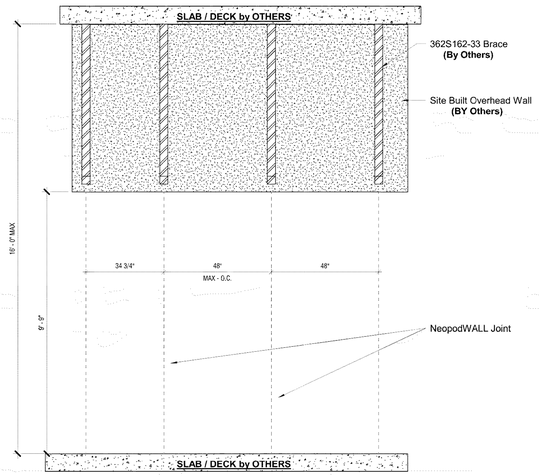
PANELIZED-HEADWALL / FOOTWALL / NeopodWALL INSTALL / CONNECTION

neopod SYSTEMS
7850 Old Bastrop Road, New Braunfels, TX 78130
(954) 603-3100
neopodsystems.com

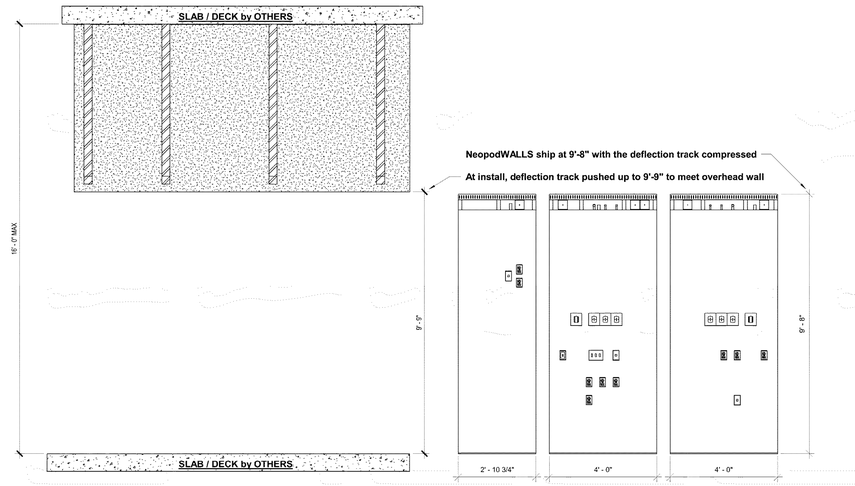


All locations receiving prefabricated modular units must be FLAT and LEVEL within the footprint of the module location.
1/8" in 10' Tolerance
Self-levelling compound typically required to achieve this requirement.

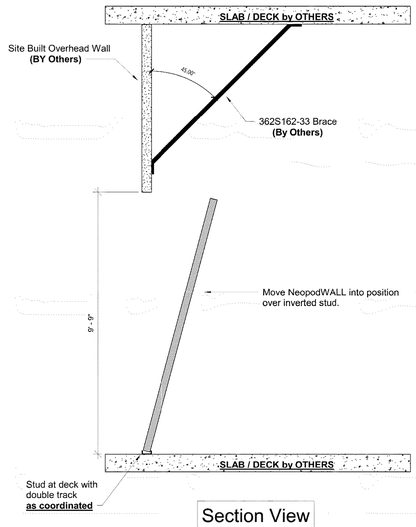
Bracing on overhead wall should span to be centered where NeopodWALLS join.



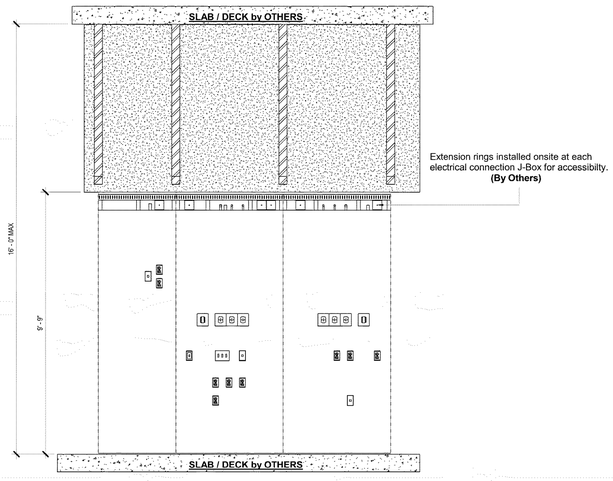
Elevation View



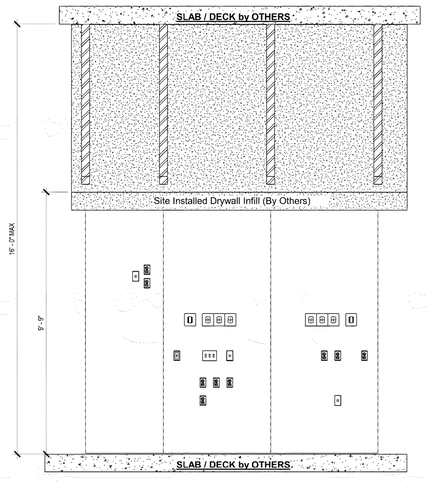
Elevation View



Section View



Elevation View



Elevation View

SHEET NAME
Install & Connection Requirements
Panelized Modules / NeopodWalls

SHEET NUMBER
NS.G1.03

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

KITCHEN SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
1	LOT	4-TIER STORAGE SHELVING	METRO	SUPER ERECTA BRITE	-
2	LOT	OVERHEAD 4-TIER TRACK SHELVING	METRO	SUPER ERECTA BRITE	W/SOLID BOTTOM SHELF
3	1	SODA SYSTEM	-		BY OTHERS
4	2	DUNNAGE RACK	NEW AGE	2015	-
5	LOT	OVERHEAD 4-TIER TRACK SHELVING	METRO	SUPER ERECTA BRITE	W/SOLID BOTTOM SHELF
6	2	S/S STANDARD FLOOR TROUGH W/GRATE	FABRICATOR	CUSTOM	SIZE AS SHOWN PER PLAN
7	1	HOSE REEL MIXING CABINET	T & S BRASS	B-1460-RMB	-
8	1	WALL MOUNTED HOSE REEL	T & S BRASS	B-7222-C01	-
9	1	MOBILE POT/PAN RACK	METRO	X556EGX3	-
10	-	SPARE NUMBER	-	-	-
11	1	3-COMPARTMENT SINK W/OVERSHELF/POT RACK	FABRICATOR	CUSTOM	-
11.1	2	SPLASH MOUNT FAUCET	T & S BRASS	B-0290	-
12	1	SINK HEATER	HATCO	3CS2-9B	-
13	1	SOILED DISH TABLE W/MANUAL CONVEYOR/TROUGH	FABRICATOR	CUSTOM	-
14	1	RACK SHELF	FABRICATOR	CUSTOM	-
15	2	PRE-RINSE UNIT	T & S BRASS	B-0169-VB-32H	-
16	1	PRE-RINSE UNIT	T & S BRASS	B-0133-B-TEE	-
17	1	TROUGH/VEYOR	SALVAJOR	500-TVL	-
18	1	EXHAUST DUCT	FABRICATOR	CUSTOM	-
19	LOT	4-TIER CHEMICAL STORAGE SHELVING	METRO	SUPER ERECTA METROSEAL	-
20	-	SPARE NUMBER	-	-	-
21	1	HIGH TEMP FLIGHT TYPE DISHMACHINE	HOBART	FT 1016Se-ER LR	-
22	2	MOBILE SILVER SOAK SINK	FABRICATOR	CUSTOM	-
23	3	MOBILE BASE RACK	DINEX	DXIBDRS90	-
24	3	MOBILE DOME RACK	DINEX	DX1173X100	-
25	6	PATIENT TRAY RETURN CART	F.W.E.	ETC-1520-14	-
26	3	AIR-CURTAIN REFRIGERATOR	F.W.E.	ASU-10	-
27	5	HAND SINK W/SIDE SPLASHES	IMC TEDDY	WS-2S	-
28	2	MOBILE CUP/GLASS RACK DISPENSER	CADDY	CM-2020-C	-
29	1	ADA HAND SINK W/SIDE SPLASHES	IMC TEDDY	ADA-WS-2S	-
30	-	SPARE NUMBER	-	-	-
31	1	CHEF'S COUNTER W/DOUBLE OVERSHELF/HAND SINK	FABRICATOR	CUSTOM	W/LOAD CENTER/CONDIMENT BINS
31.1	1	DECK MOUNT FAUCET	T & S BRASS	B-1141-04	-
32	3	PRINTER	-	-	BY OTHERS
33	1	WATER FILTRATION SYSTEM	EVERPURE	EV9437-10	FOR BEVERAGE EQUIPMENT
34	1	ICE/WATER DISPENSER	FOLLETT	110CT425A-L	AIR-COOLED
35	1	ICED TEA BREWER	-	-	BY OTHERS
36	2	ICED TEA URN	-	-	BY OTHERS
37	1	COFFEE BREWER	-	-	BY OTHERS
38	2	COFFEE DISPENSER	-	-	BY OTHERS
39	1	MOP/BROOM RACK	IMC TEDDY	MH4	-
40	1	MOP SINK	IMC TEDDY	FS-L	-
41	1	ICE CREAM MERCHANDISING UNIT	BEVERAGE-AIR	NC28HC-1-W	W/CASTERS
42	1	CONVEYOR TOASTER	HATCO	TQ-10	-
43	1	MICROWAVE OVEN	SHARP	R-CD2200M	-
44	1	REFRIGERATED PREPARATION UNIT	TRAULSEN	UPT6024LR	W/CASTERS
45	1	DROP-IN 5-WELL HOT FOOD UNIT	ALTO-SHAAM	500-HWI/D6	-
46	1	HEAT LAMP	HATCO	GRAH-48D3	-
47	1	BASE ACTIVATOR	DINEX	DX2011208	-
48	2	MOBILE HEATED DISH DISPENSER	DINEX	DXPSBHDP	-
49	1	SERVICE SINK FAUCET	T & S BRASS	B-0665-BSTP	-
50	-	SPARE NUMBER	-	-	-
51	1	ROLL-IN HEATED CABINET	TRAULSEN	RIH132L-FHS	-
52	7	MOBILE PAN RACK	METRO	RF3N	-
53	1	EXHAUST HOOD	ADVANCED HOOD SYSTEMS	CUSTOM	-
53.1	1	WALL MOUNTED DCV CONTROL PANEL	ADVANCED HOOD SYSTEMS	CUSTOM	-
53.2	1	FIRE SUPPRESSION SYSTEM	ADVANCED HOOD SYSTEMS	CUSTOM	-
53.3	1	MANUAL PULL STATION KIT	ADVANCED HOOD SYSTEMS	CUSTOM	-
53.4	1	SPACE TEMPERATURE SENSOR	ADVANCED HOOD SYSTEMS	CUSTOM	-
54	1	S/S WALL FLASHING	ADVANCED HOOD SYSTEMS	CUSTOM	-
55	1	REFRIGERATED EQUIPMENT STAND	TRAULSEN	TE110HT	W/CASTERS
56	1	COUNTERTOP 6-BURNER RANGE	GARLAND	GTGG36-6	-
57	1	COUNTERTOP CHARBROILER	GARLAND	GTBG36-AR36	-
58	1	COUNTERTOP GRIDDLE W/THERMOSTAT	GARLAND	GTGG36-GT36M	-
59	-	SPARE NUMBER	-	-	-
60	-	SPARE NUMBER	-	-	-
61	1	FRYER/FILTER ASSEMBLY	FRYMASTER	FPH155	W/CASTERS
62	1	FRY WARMER	FRYMASTER	FWH-1	W/CASTERS
63	1	UNDERCOUNTER FREEZER	TRAULSEN	ULT27-R	W/CASTERS
64	1	FLASH BAKE OVEN	MERRYCHEF	CONNEX 16	-
65	1	PREPARATION TABLE W/(2) SINKS	FABRICATOR	CUSTOM	-
65.1	1	SPLASH MOUNT FAUCET	T & S BRASS	B-0231	-
66	1	S/S WALL SHELF	FABRICATOR	CUSTOM	-
67	1	FOOD PROCESSOR	ROBOT COUPE	R502	-
68	4	MOBILE TRASH RECEPTACLE	RUBBERMAID	FG352600GRAY	W/LID & DOLLY
69	-	SPARE NUMBER	-	-	-
70	-	SPARE NUMBER	-	-	-
71	1	DISPOSER W/CONTROL	SALVAJOR	200-CA-12-ARSS-LD	-
72	1	MOBILE EQUIPMENT STAND	FABRICATOR	CUSTOM	-
73	1	SLICER	HOBART	HS7N-1	-
74	1	REFRIGERATOR	TRAULSEN	RHT132WUT-HHS	W/CASTERS
75	1	PREPARATION TABLE	FABRICATOR	CUSTOM	-
76	1	S/S WALL SHELF	FABRICATOR	CUSTOM	-
77	3	MOBILE INGREDIENT BIN	CAMBRO	IBSF27148	-
78	1	MOBILE HOT BOX	ALTO-SHAAM	1200-UP	-
79	-	SPARE NUMBER	-	-	-
80	-	SPARE NUMBER	-	-	-
81	1	EXHAUST HOOD	ADVANCED HOOD SYSTEMS	CUSTOM	-
81.1	1	WALL MOUNTED DCV CONTROL PANEL	ADVANCED HOOD SYSTEMS	CUSTOM	-
81.2	1	FIRE SUPPRESSION SYSTEM	ADVANCED HOOD SYSTEMS	CUSTOM	-
81.3	1	MANUAL PULL STATION KIT	ADVANCED HOOD SYSTEMS	CUSTOM	-
81.4	1	SPACE TEMPERATURE SENSOR	ADVANCED HOOD SYSTEMS	CUSTOM	-
82	1	S/S WALL FLASHING	ADVANCED HOOD SYSTEMS	CUSTOM	-
83	1	S/S ANTI-SPILL FLOOR TROUGH W/GRATE	FABRICATOR	CUSTOM	SIZE AS SHOWN PER PLAN
84	1	40 GAL. BRAISING PAN	CLEVELAND	SGL-40-T1	W/PANTRY FAUCET
85	1	DOUBLE STEAMER	CLEVELAND	24CGA10.2	-
86	1	WATER FILTRATION SYSTEM	EVERPURE	EV9797-22	FOR STEAMER
87	1	DOUBLE CONVECTION OVEN	BLODGETT	ZEPH-100-G-DBL	EXISTING/RELOCATED - W/GAS MANIFOLD
88	1	DOUBLE COMBI OVEN	BLODGETT	BCX-14G DOUBLE	-
89	1	CUBE ICE MAKER	MANITOWOC	IYT0500A	AIR-COOLED
90	1	ICE STORAGE BIN	MANITOWOC	D-570	-
91	2	WATER FILTRATION ASSEMBLY	BLODGETT	200MS2	FOR COMBI OVEN
92	1	LANDING TABLE W/OVERSHELF/UTENSIL RACK	FABRICATOR	CUSTOM	W/UTILITY CHASE
93	1	PREPARATION TABLE W/(2) SINKS	FABRICATOR	CUSTOM	-
93.1	1	SPLASH MOUNT FAUCET	T & S BRASS	B-0231	-
94	1	S/S WALL SHELF	FABRICATOR	CUSTOM	-
95	1	40 QT. MIXER	HOBART	HL400-1STD	-
96	1	MIXER ACCESSORIES RACK	FABRICATOR	CUSTOM	-
97	1	REMOTE REFRIGERATION RACK	COOLTEC	CUSTOM	AIR-COOLED
98	1	WALK-IN COOLER #1 ASSEMBLY	AMERICAN PANEL	CUSTOM	-
99	1	S/S STANDARD FLOOR TROUGH W/GRATE	FABRICATOR	CUSTOM	SIZE AS SHOWN PER PLAN
100	-	SPARE NUMBER	-	-	-
101	1	BLOWER COIL +35°	COOLTEC	CUSTOM	FOR COOLER #1
102	1	WALK-IN FREEZER ASSEMBLY	AMERICAN PANEL	CUSTOM	-
103	1	BLOWER COIL -10°	COOLTEC	CUSTOM	FOR FREEZER
104	LOT	MOBILE 4-TIER COOLER/FREEZER STORAGE SHELVING	METRO	SUPER ERECTA METROSEAL	W/SOLID BOTTOM SHELF
105	-	SPARE NUMBER	-	-	-
106	LOT	OVERHEAD 4-TIER TRACK SHELVING	METRO	SUPER ERECTA METROSEAL	W/SOLID BOTTOM SHELF
107	1	WALK-IN COOLER #2 ASSEMBLY	AMERICAN PANEL	CUSTOM	-
108	1	BLOWER COIL +35°	COOLTEC	CUSTOM	FOR COOLER #2
109-200	-	SPARE NUMBER	-	-	-

SERVERY SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
201	1	ROLL-IN FREEZER	TRAULSEN	RIF132LUT-FHS	-
202	3	MOBILE PAN RACK	METRO	RF3N	-
203	1	ENTREE/SHORT-ORDER SERVING COUNTER	FABRICATOR	CUSTOM	W/(1) LOAD CENTER
204	1	FOOD SHIELD W/LIGHTS/HEAT LAMP	PREMIER	CUSTOM	-
205	1	DROP-IN 4-WELL HOT FOOD UNIT	ALTO-SHAAM	400-HWI/D6	-
206	1	HEATED DISPLAY UNIT	HATCO	HZMH-24D	-
207	1	LOT OF FOOD SHIELD W/LIGHTS	PREMIER	CUSTOM	-
208	2	DROP-IN INDUCTION WARMER	VOLLRATH	59501?0	-
209	1	REFRIGERATED PREPARATION UNIT	TRAULSEN	UST3212-R	W/CASTERS
210	1	REFRIGERATOR	TRAULSEN	RHT132WUT-HHS	W/CASTERS
211	1	HAND SINK W/SIDE SPLASHES	IMC TEDDY	WS-2S	-
212	1	ROLL-THRU HEATED CABINET	TRAULSEN	RIH132LP-FHS	-
213	1	BACK COUNTER	FABRICATOR	CUSTOM	-
214	1	ROLL-THRU REFRIGERATOR	TRAULSEN	RRI132LPUT-FHS	-
215	1	EXPO SERVING COUNTER	FABRICATOR	CUSTOM	W/(1) LOAD CENTER
216	1	FOOD SHIELD W/LIGHTS/HEAT LAMP	PREMIER	CUSTOM	-
217	2	DROP-IN 4-WELL HOT/COLD FOOD WELL	DELFIELD	N8656P	-
217.1	2	FILL FAUCET	T & S BRASS	B-0208-CR-HW	-
218	1	FOOD SHIELD W/LIGHTS/HEAT LAMP	PREMIER	CUSTOM	-
219	1	SOUP SERVING COUNTER	FABRICATOR	CUSTOM	-
220	1	FOOD SHIELD	PREMIER	CUSTOM	-
221	1	SALAD SERVING COUNTER	FABRICATOR	CUSTOM	-
222	1	LOT OF FOOD SHIELD W/LIGHTS	PREMIER	CUSTOM	-
223	2	DROP-IN SOUP WELL	ALTO-SHAAM	1100-RW	-
224	2	DROP-IN REFRIGERATED COLD PAN	DELFIELD	8159-EFP	-
225	1	REFRIGERATED GRAB-N-GO CASE	STRUCTURAL CONCEPTS	BN5?R	-
226	1	BEVERAGE COUNTER	FABRICATOR	CUSTOM	-
227	-	SPARE NUMBER	-	-	-
228	6	CUP DISPENSER	SAN JAMAR	C2410C	-
229	1	REFRIGERATED GRAB-N-GO CASE	STRUCTURAL CONCEPTS	BN47R	EXISTING/RELOCATED
230	1	TRAY PICK-UP COUNTER	FABRICATOR	CUSTOM	-
231	1	ICE/SODA DISPENSER	-	-	BY OTHERS
232	1	WATER FILTRATION SYSTEM	EVERPURE	EV9437-10	FOR SERVERY BEVERAGE EQUIPMENT
233	1	CUBE ICE MAKER	MANITOWOC	IYT0300A	AIR-COOLED
234	1	AMBIENT CARBONATOR	-	-	BY OTHERS
235	1	COFFEE BREWER	-	-	BY OTHERS
236	2	COFFEE DISPENSER	-	-	BY OTHERS
237	1	CONDIMENT BINS W/STAND	-	-	BY OTHERS
238	1	SPECIALTY DRINK DISPENSER	-	-	BY OTHERS
239	1	ICE CREAM FREEZER	BEVERAGE AIR	NC43HC-1-W	-
240	-	SPARE NUMBER	-	-	-
241	1	ICED TEA BREWER	-	-	BY OTHERS
242	2	ICED TEA URN	-	-	BY OTHERS
243	2	SLIM JIM TRASH RECEPTACLE	RUBBERMAID	1971258	-
244	2	CASHIER STAND	FABRICATOR	CUSTOM	-
245	2	POS SYSTEM	-	-	BY OTHERS
246	1	CONDIMENT COUNTER	FABRICATOR	CUSTOM	-
247	1	CONDIMENT ORGANIZER	-	-	BY OTHERS
248	-	SPARE NUMBER	-	-	-
249	-	SPARE NUMBER	-	-	-
250	-	SPARE NUMBER	-	-	-
251	2	MICROWAVE OVEN	PANASONIC	NE-1054F	-

GENERAL NOTES

GENERAL CONTRACTOR TO FURNISH AND INSTALL ALL WALL BACKING TO WALL FRAMING OF THE BUILDING STRUCTURE TO SUPPORT INTENDED WALL MOUNTED EQUIPMENT. VERIFY REQUIREMENTS AND COORDINATE THE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR PRIOR TO CONSTRUCTION.

GENERAL CONTRACTOR TO FURNISH AND INSTALL ANGLE IRON TO UNDERSIDE OF THE BUILDING STRUCTURE ABOVE TO SUPPORT THE EXHAUST VENTILATOR ASSEMBLY. VERIFY REQUIREMENTS WITH THE APPROVED MANUFACTURERS SHOP DRAWINGS. COORDINATE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.

GENERAL CONTRACTOR TO FURNISH AND INSTALL NON-COMBUSTIBLE WALL MATERIAL FOR EXHAUST VENT DUCTS, VENT STACKS AND ANY HEATPRODUCTIN FOODSERVICE EQUIPMENT. VERIFY CODE COMPLIANCE WITH LOCAL CODES AND REGULATIONS AND COORDINATE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.

GENERAL CONTRACTOR TO FURNISH AND INSTALL AIR MOVEMENT/HEAT REMOVAL VENTILATION PER MANUFACTURERS' REQUIREMENTS. VERIFY AND COORDINATE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.

GENERAL CONTRACTOR TO PROVIDE A FINISHED WALL OPENING AT THIS LOCATION FOR TRAY-DROP WINDOW AS SPECIFIED BY THE CONVEYOR ASSEMBLY MANUFACTURER. VERFIY REQUIREMENTS WITH THE APPROVED MANUFACTURERS' SHOP DRAWINGS AND COORDINATE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.

GENERAL CONTRACTOR TO PROVIDE A FINISHED WALL OPENING AT THIS LOCATION FOR THE PASS-THRU REFRIGERATOR. VERIFY REQUIREMENTS WITH THE PROVIDED EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND COORDINATE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.

GENERAL CONTRACTOR TO COORDINATE LOW HEIGHT WALL INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR AND ASSOCIATED TRADES AS REQUIRED.

GENERAL CONTRACTOR TO PROVIDE A FLOOR DEPRESSION AT THIS LOCATION WITH A TROWELED SMOOTH FINISH SLOPED TO THE DRAIN AND INSTALL THE PROVIDED FLOOR TROUGH AND GRATE. VERIFY CODE COMPLIANCE AND COORDINATE INSTALLATION WITH KITCHEN EQUIPMENT CONTRACTOR PRIOR TO CONSTRUCTION. REFER TO SHEET K-1.7.

GENERAL CONTRACTOR TO PROVIDE AN FLOOR DEPRESSION AT THIS LOCATION FOR ALL WALK-IN COOLERS/FREEZERS WITH A SMOOTH AND TRANSIT LEVEL FINISH. THE EXCESS DEPRESSION IS TO BE FILLED WITH GROUT, THE FINISHED FLOOR MATERIALS AND COVED BASES ARE TO BE INSTALLED AFTER THE INSTALLATION OF THE WALK-IN PANELS. VERFIY REQUIREMENTS WITH APPROVED MANUFACTURERS' SHOP DRAWINGS AND COORDINATE INSTALLATION WITH KITCHEN EQUIPMENT CONTRACTOR. REFER TO SHEET K-1.7.

GENERAL CONTRACTOR TO PROVIDE A CONDUIT STUB AND RUN AT THIS LOCATION FOR THE BEVERAGE LINE RUNS FROM SYSTEM MIXING POINT TO SYSTEM DISPENSING POINT. AN 8" DIAMETER CONDUIT IS RECOMMENDED AND SHALL HAVE A SMOOTH INTERIOR FINISH, A MINIMUM RADIUS OF 24" AT ALL BENDS AND A 6" X 18" X 12" DEEP ACCESSIBLE PULL BOX ON ALL CONDUIT RUNS IN EXCESS OF 95'-0" IN LENGTH IN ALL FLOORS OR CONCEALED SPACES. THE TOTAL OF ALL BENDS BETWEEN BOXES NOT TO EXCEED 180°. STUB CONDUIT ENDS OUT 2" FROM WALLS OR 2" ABOVE FINISHED FLOOR. VERIFY CODE COMPLIANCE AND COORDINATE INSTALLATION WITH KITCHEN EQUIPMENT CONTRACTOR AND ASSOCIATED TRADES.

GENERAL CONTRACTOR TO VERIFY AND PROVIDE FOR EXHAUST AND/OR SUPPLY AIR DUCTS PER MANUFACTURERS' RECOMMENDATIONS. VERFIY REQUIREMENTS WITH APPROVED MANUFACTURERS' SHOP DRAWINGS. VERFIY CODE COMPLIANCE AND COORDINATE INSTALLATION WITH THE KITCHEN EQUIPMENT CONTRACTOR AND ASSOCIATED TRADES.

GENERAL CONTRACTOR TO PROVIDE A TRASH DUMPSTER WITHIN 100 FEET FROM LOADING DOCK FOR OWNER PROVIDED EQUIPMENT TRASH DISPOSAL.

FOR REFERENCE ONLY

INMAN LANCASTER foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Clearwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

REVISION

NUMBER	DESCRIPTION	DATE

EQUIPMENT SCHEDULE

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.0

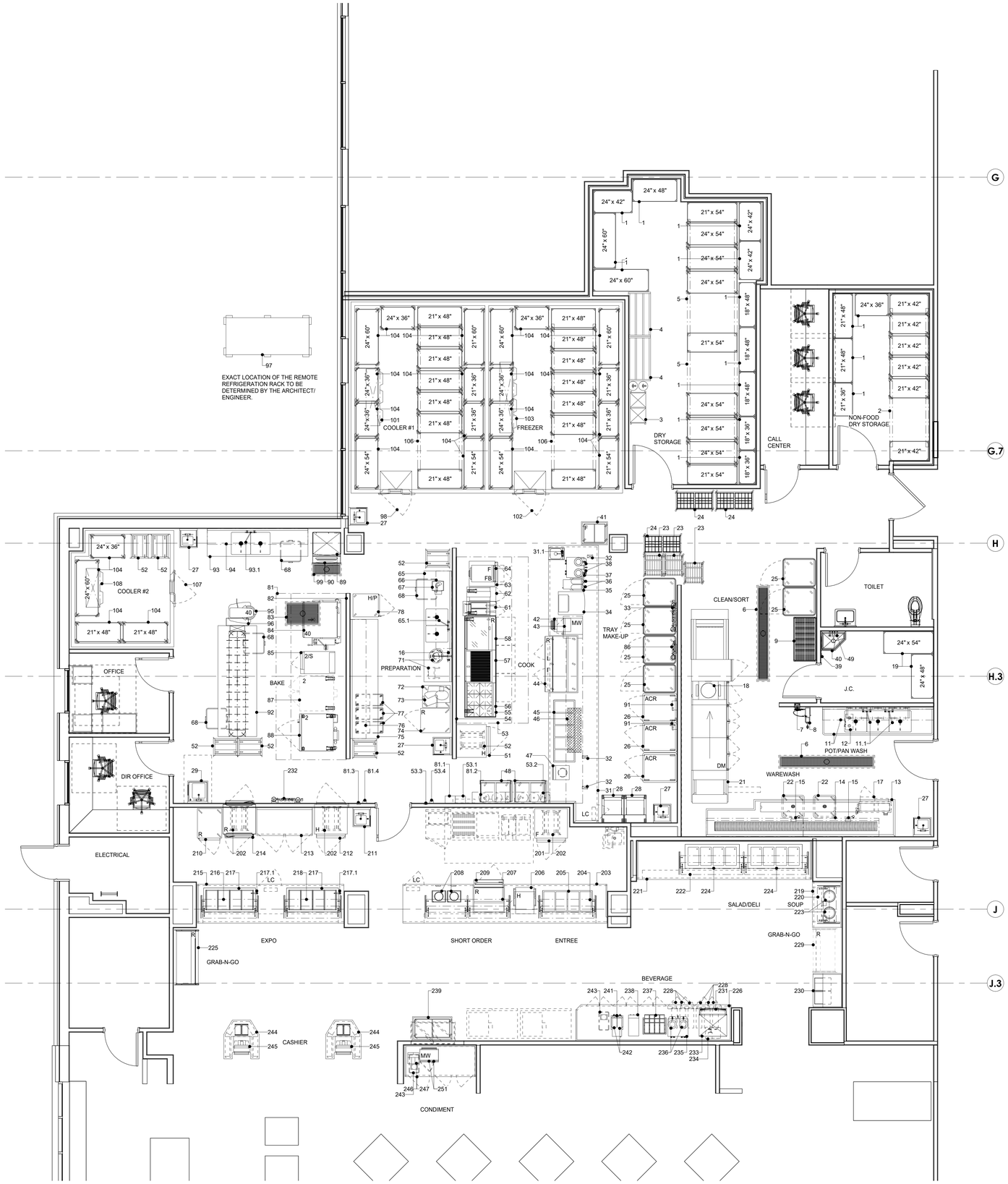
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1572

NUMBER	DESCRIPTION	REVISION DATE

EQUIPMENT PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

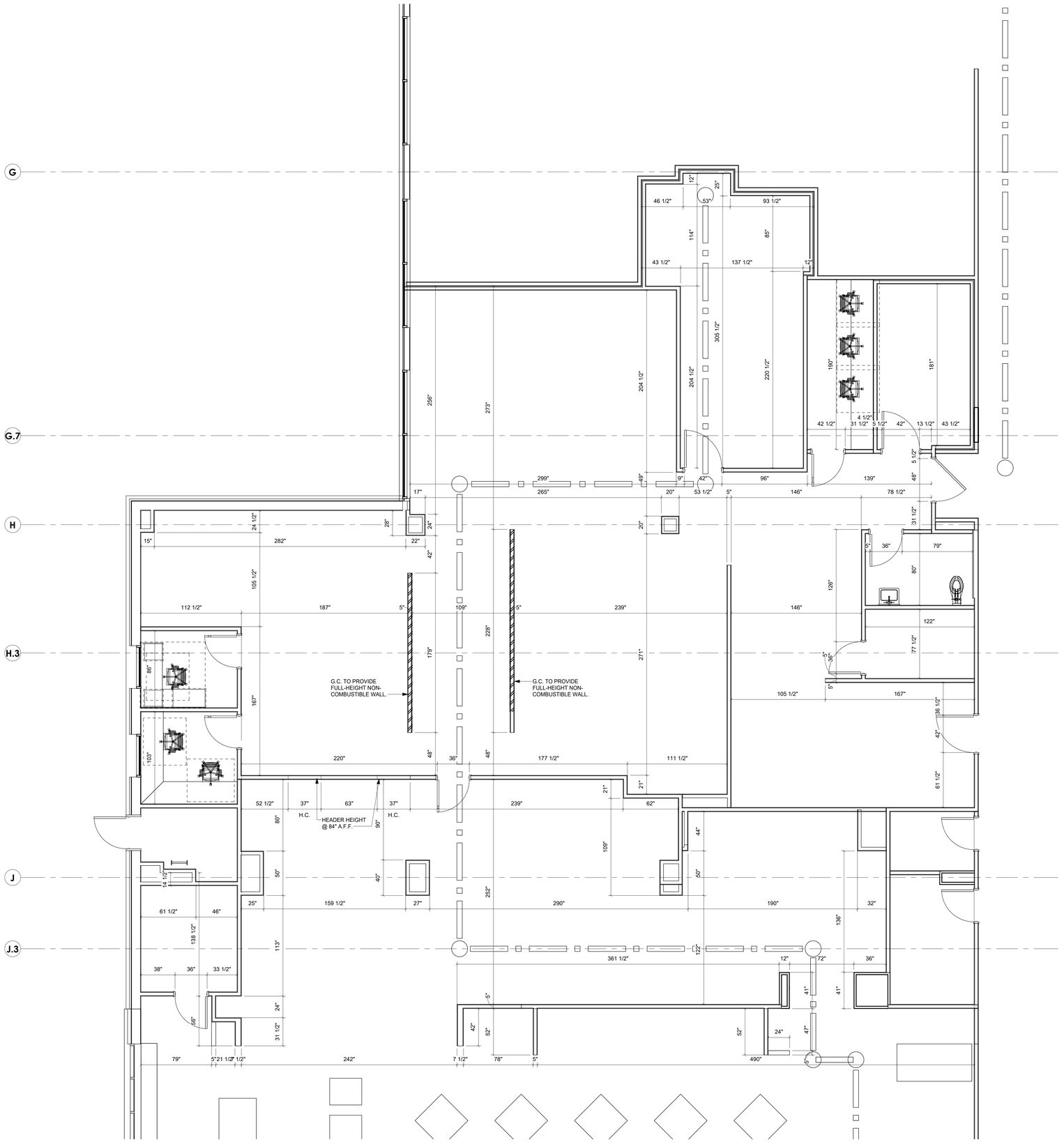


1 LEVEL 1 EQUIPMENT PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.1

NOTE:
DIMENSIONS ARE FOR REFERNCE ONLY.
REFER TO ARCHITECTURAL DOCUMENTS
FOR ACTUAL ROOM DIMENSIONS.



1 LEVEL 1 ARCHITECTURAL DIMENSION PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

INMAN LANCASTER foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1507

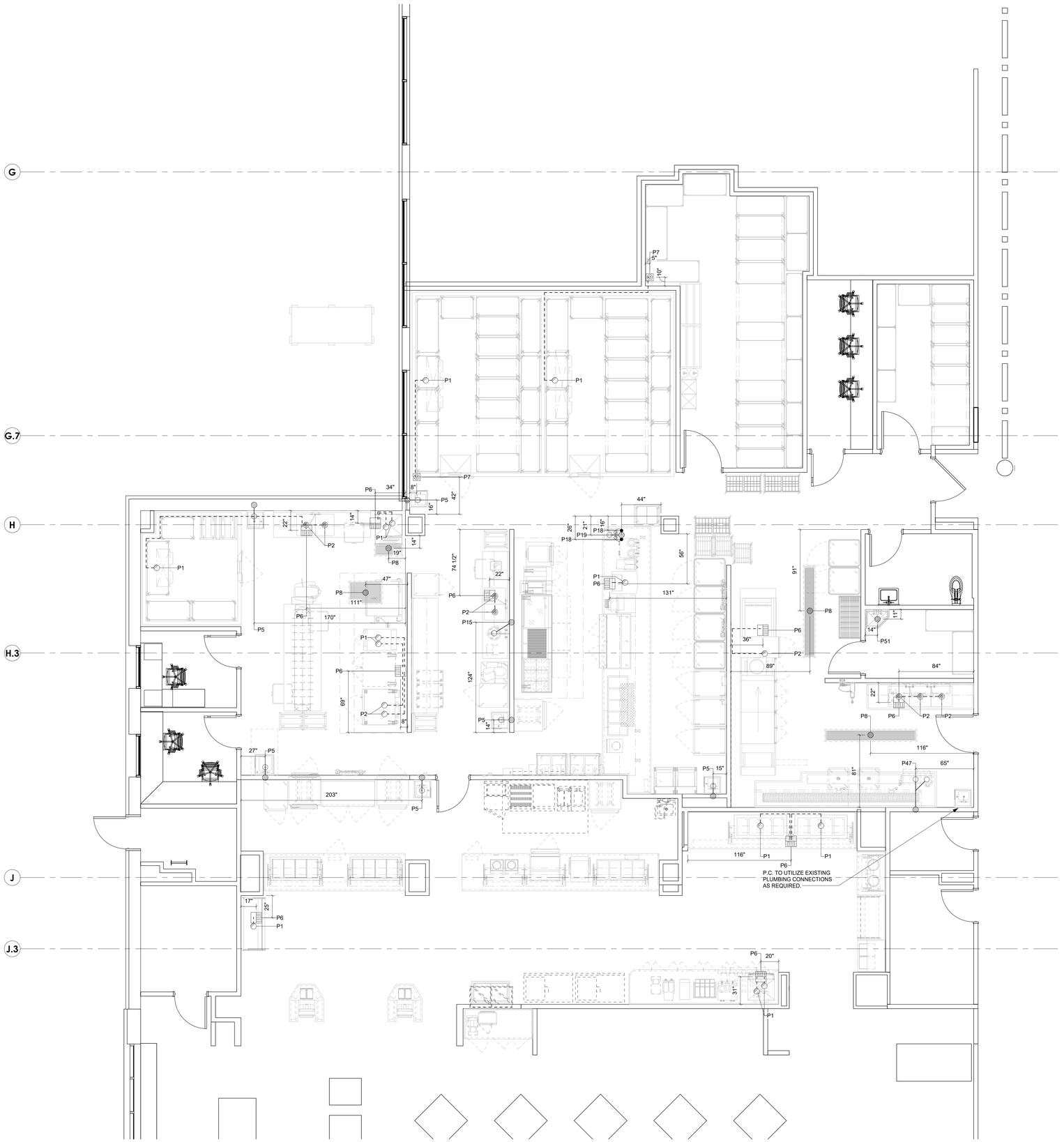
REVISION	DESCRIPTION	DATE
NUMBER		

ARCHITECTURAL DIMENSIONS PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.2

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025



1 LEVEL 1 IN-SLAB PLUMBING PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

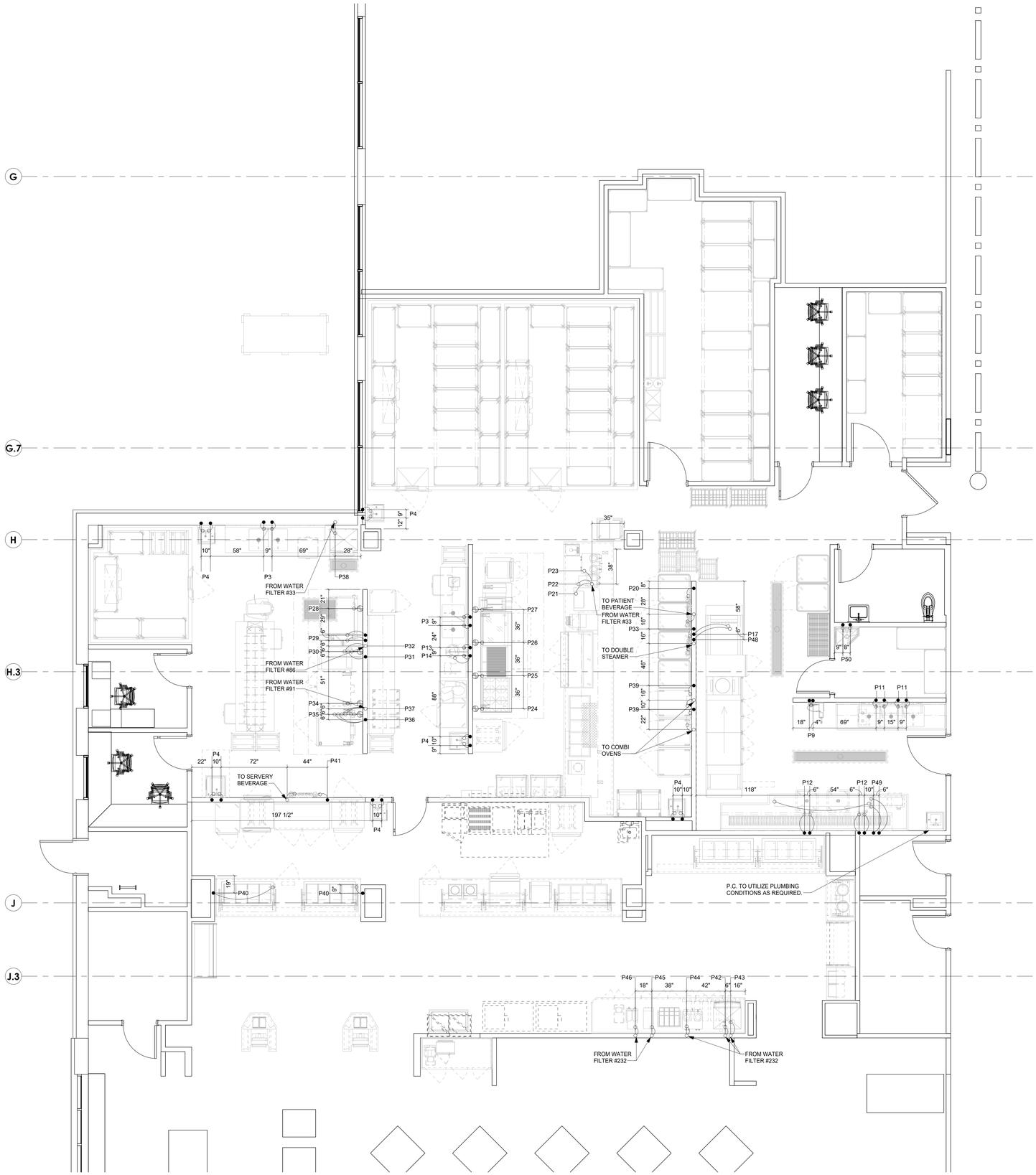
INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

REVISION NUMBER	DESCRIPTION	DATE

SLAB PENETRATION PLUMBING PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.3



1 LEVEL 1 ROUGH-IN PLUMBING PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

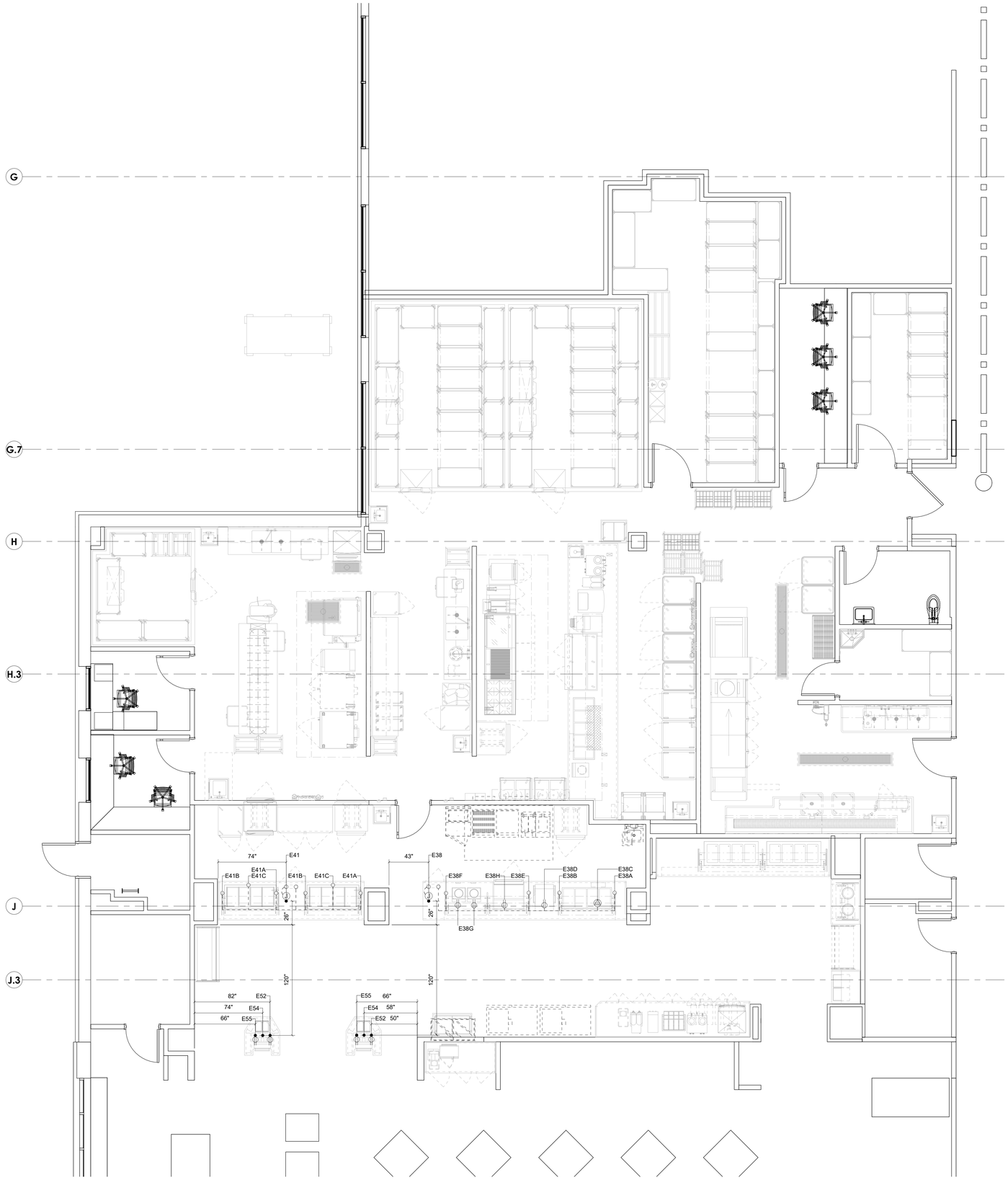
INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1507

REVISION	DESCRIPTION	DATE
NUMBER		

ROUGH-IN PLUMBING PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.4



1 LEVEL 1 IN-SLAB ELECTRICAL PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

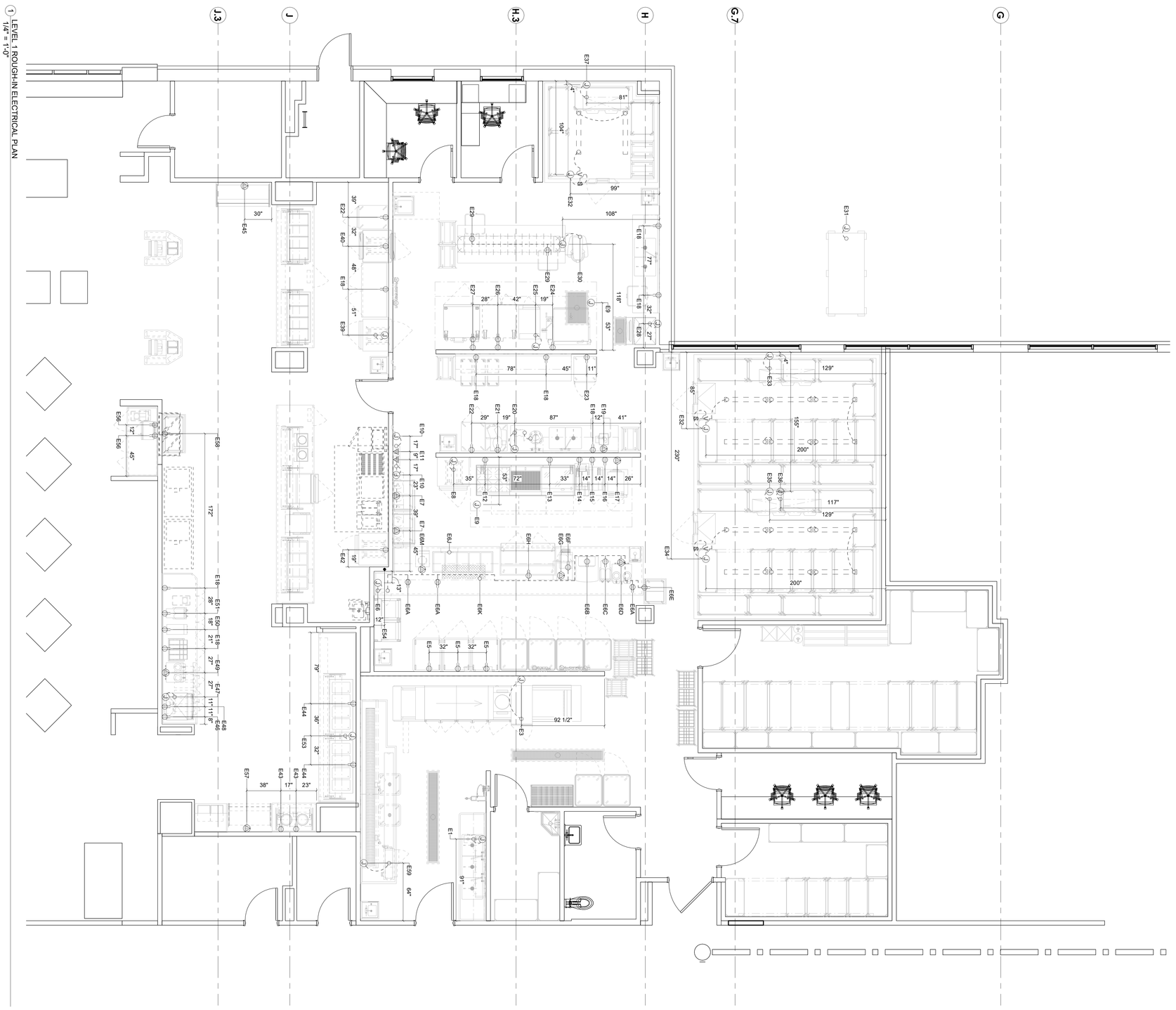
REVISION NUMBER	DESCRIPTION	DATE

SLAB PENETRATION ELECTRICAL PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.5

FOR REFERENCE ONLY



1 LEVEL 1 ROUGH-IN ELECTRICAL PLAN
1/4" = 1'-0"

K-1.6

DATE: 12/05/2024
SCALE: 1/4" = 1'-0"
DRAWN BY: IFSG
DESIGNED BY: IFSG
SHEET

ROUGH-IN ELECTRICAL PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

REVISION		
NUMBER	DESCRIPTION	DATE

INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Clearwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1572

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri

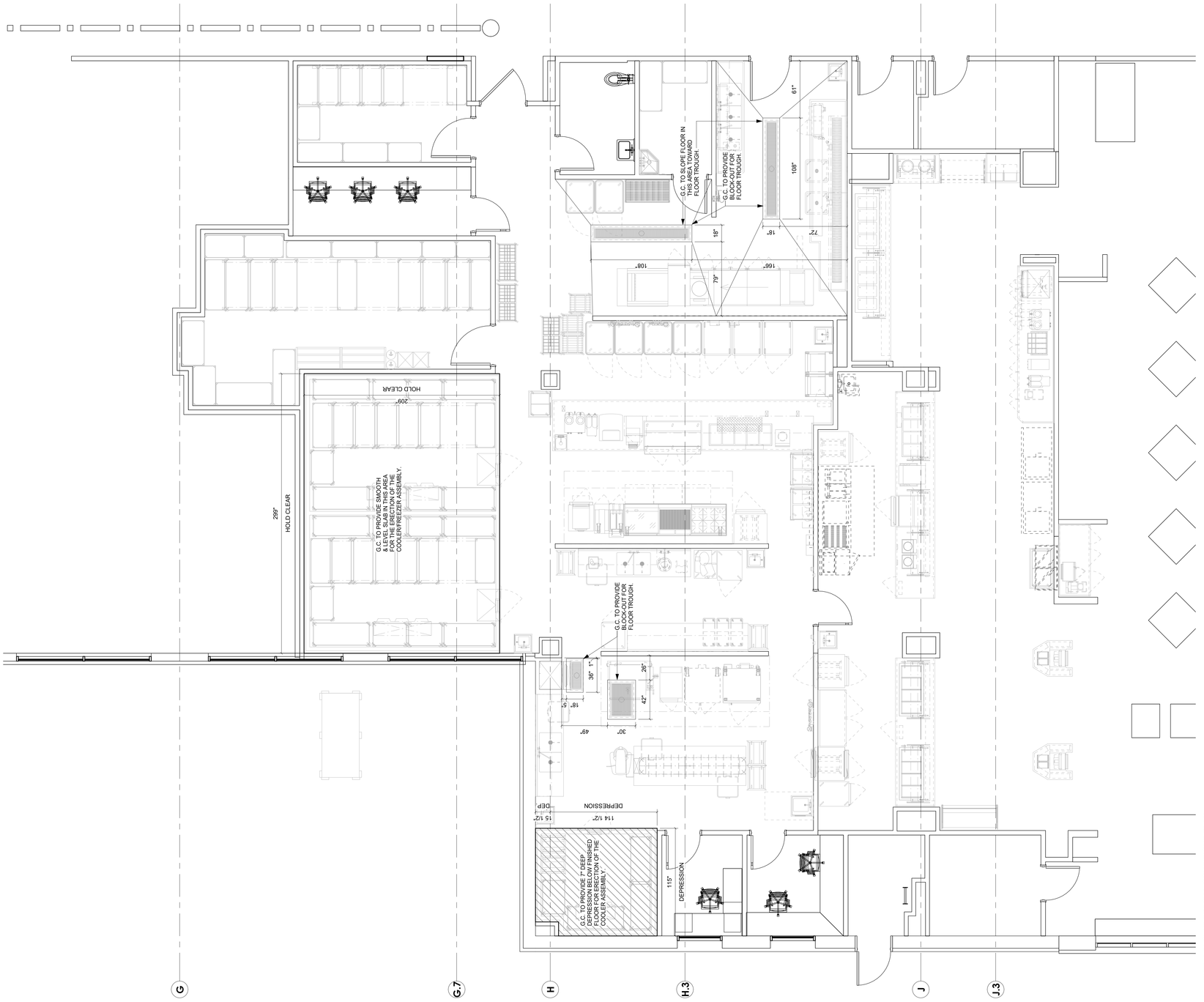
INMAN LANCASTER foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Clearwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1572

NUMBER	DESCRIPTION	DATE
	REVISION	

SLAB PENETRATION SPECIAL CONDITIONS PLAN

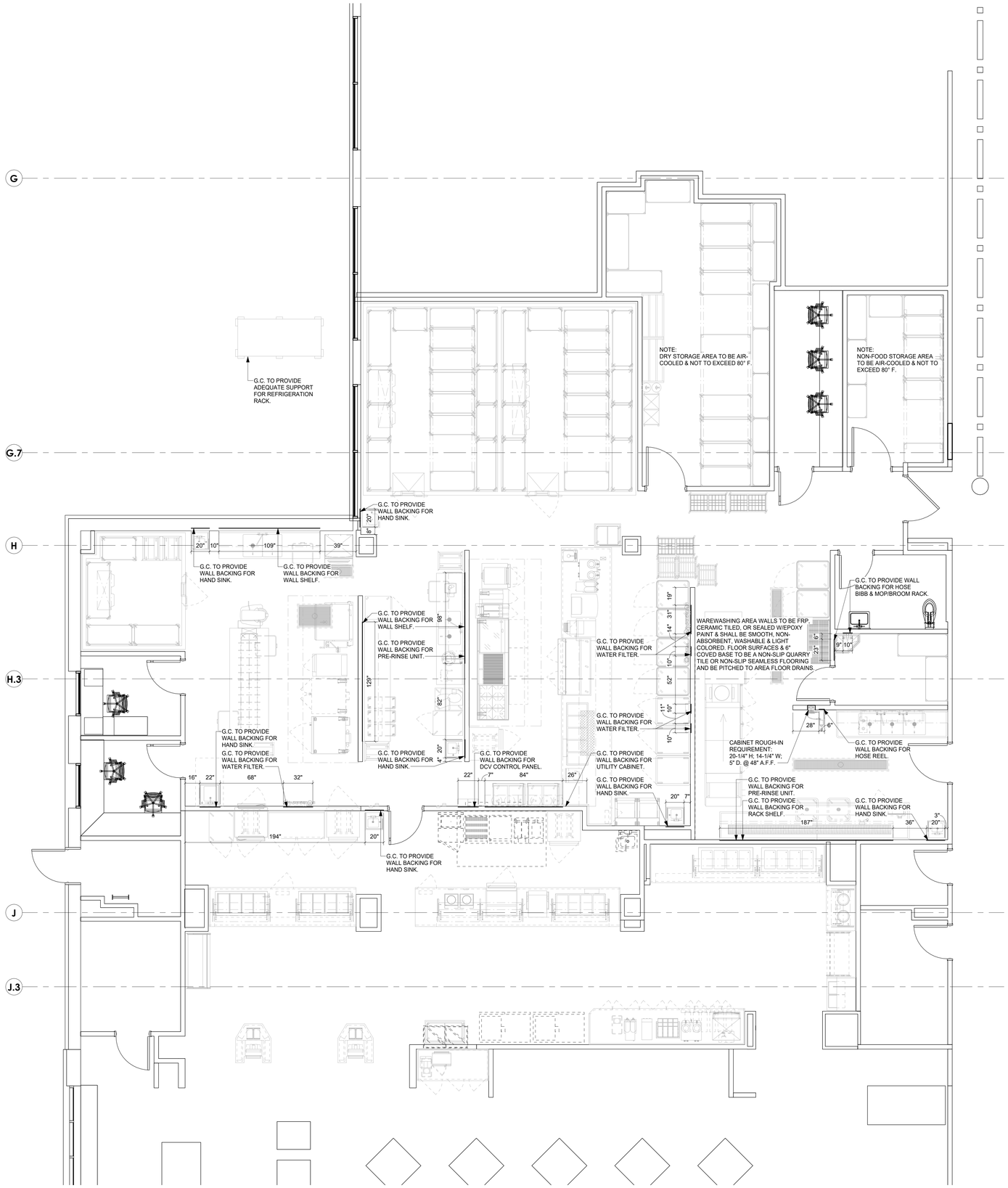
HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE: 12/05/2024
SCALE: 1/4" = 1'-0"
DRAWN BY: IFSG
DESIGNED BY: IFSG
SHEET: K-1.7



1 LEVEL 1 IN-SLAB SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY



1 LEVEL 1 ROUGH-IN SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

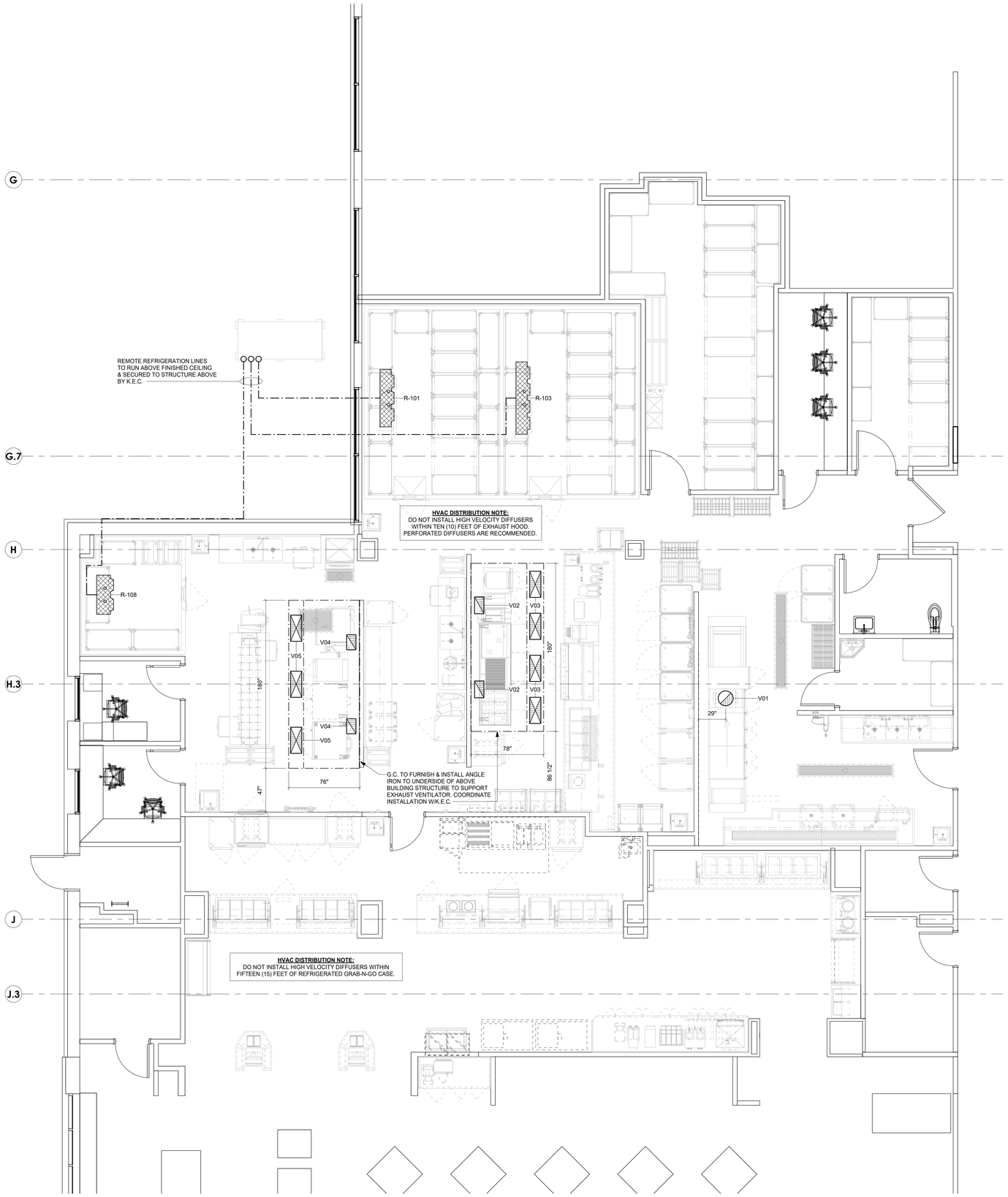
INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

REVISION NUMBER	DESCRIPTION	DATE

ROUGH-IN SPECIAL CONDITIONS PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.8



1 LEVEL 1 REFRIGERATION/VENTILATION PLAN
1/4" = 1'-0"

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

NUMBER	REVISION DESCRIPTION	DATE

REFRIGERATION/VENTILATION PLAN

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	1/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.9

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2024

PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P1	1"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P2	2"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P3	1/2"	HOT & COLD WATER	WALL	18"	SUPPLY	-	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P4	1/2"	HOT & COLD WATER	WALL	20"	HAND SINK	27/211	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P5	1-1/2"	DIRECT WASTE	WALL	22"	HAND SINK	27/211	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P6	-	FLOOR SINK	-	-	-	-	-
P7	-	FUNNEL FLOOR DRAIN	-	-	-	-	-
P8	4"	DIRECT WASTE	-	-	FLOOR TROUGH	6/83/99	-
P9	1/2"	HOT & COLD WATER	WALL	48"	HOSE REEL MIXING CABINET	7	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P11	3/4"	HOT & COLD WATER	WALL	18"	FAUCET	11	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P12	1/2"	HOT & COLD WATER	WALL	60"	PRE-RINSE UNIT	15	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P13	1/2"	HOT WATER	WALL	18"	PRE-RINSE UNIT	16	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P14	3/4"	COLD WATER	WALL	18"	PRE-RINSE UNIT/DISPOSER	16/17/71	P.C. TO BRANCH TO CONNECTION AS REQUIRED/BRANCH TO DISPOSER ALSO
P15	3"	DIRECT WASTE	WALL	18"	DISPOSER	71	P.C. TO BYPASS GREASE TRAP
P16	-	-	-	-	SPARE NUMBER	-	-
P17	1"	HOT WATER @ 110° MIN.	WALL	12"	HIGH TEMP FLIGHT TYPE DISH MACHINE	21	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P18	1/2"	HOT & COLD WATER	FLOOR	-	HAND SINK	31	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P19	1-1/2"	DIRECT WASTE	FLOOR	-	HAND SINK	31	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P20	3/4"	COLD WATER	WALL	96"	WATER FILTRATION ASSEMBLY (PATIENT BEVERAGE)	33	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P21	1/2"	COLD WATER (FILTERED)	FLOOR	-	ICE/WATER DISPENSER	34	P.C. TO CONNECT TO ICE/WATER DISPENSER THRU WATER FILTER (ITEM #33)
P22	1/2"	COLD WATER (FILTERED)	FLOOR	-	ICED TEA BREWER	35	P.C. TO CONNECT TO ICED TEA BREWER THRU WATER FILTER (ITEM #33)
P23	1/2"	COLD WATER (FILTERED)	FLOOR	-	COFFEE BREWER	37	P.C. TO CONNECT TO COFFEE BREWER THRU WATER FILTER (ITEM #33)
P24	3/4"	GAS @ 180,000 BTU's	WALL	18"	COUNTERTOP 6-BURNER RANGE	56	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P25	3/4"	GAS @ 108,000 BTU's	WALL	18"	COUNTERTOP CHARBROILER	57	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P26	3/4"	GAS @ 84,000 BTU's	WALL	18"	COUNTERTOP GRIDDLE	58	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P27	1"	GAS @ 80,000 BTU's	WALL	18"	FRYER/FILTER ASSEMBLY	61	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P28	3/4"	GAS @ 200,000 BTU's	WALL	18"	40 GAL. TILT SKILLET	84	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P29	1/2"	HOT & COLD WATER	WALL	18"	PANTRY FAUCET	84	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P30	3/4"	GAS @ 72,000 BTU's (EACH)	WALL	18"/36"	DOUBLE STEAMER	85	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P31	1/2"	COLD WATER	WALL	18"	DOUBLE STEAMER (UNFILTERED)	85	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P32	1/2"	COLD WATER (FILTERED)	WALL	18"	DOUBLE STEAMER (FILTERED)	85	P.C. TO CONNECT TO DOUBLE STEAMER THRU WATER FILTER (ITEM #86)
P33	3/4"	COLD WATER	WALL	96"	WATER FILTRATION ASSEMBLY (DOUBLE STEAMER)	86	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P34	3/4"	GAS @ 100,000 BTU's	WALL	18"	DOUBLE CONVECTION OVEN	87	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P35	3/4"	GAS @ 115,000 BTU's (EACH)	WALL	18"/36"	COMBI OVEN	88	P.C. TO BRANCH TO CONNECTION AS REQUIRED/PROVIDE QUICK DISCONNECT
P36	1/2"	COLD WATER	WALL	18"/36"	COMBI OVEN (UNFILTERED)	88	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P37	3/4"	COLD WATER (FILTERED)	WALL	18"/36"	COMBI OVEN (FILTERED)	88	P.C. TO CONNECT TO COMBI OVEN THRU WATER FILTER (ITEM #91)
P38	1/2"	COLD WATER (FILTERED)	WALL	72"	CUBE ICE MAKER	89	P.C. TO CONNECT TO CUBE ICE MAKER THRU WATER FILTER (ITEM #33)
P39	1/2"	COLD WATER	WALL	96"	WATER FILTRATION ASSEMBLY (COMBI OVEN)	91	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P40	1/2"	COLD WATER	WALL	18"	FILL FAUCET	217.1	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P41	3/4"	COLD WATER	WALL	96"	WATER FILTRATION ASSEMBLY (SERVERY BEVERAGE)	232	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P42	1/2"	COLD WATER (FILTERED)	WALL	18"	CUBE ICE MAKER	233	P.C. TO CONNECT TO CUBE ICE MAKER THRU WATER FILTER (ITEM #232)
P43	1/2"	COLD WATER (FILTERED)	WALL	18"	AMBIENT CARBONATOR	234	P.C. TO CONNECT TO AMBIENT CARBONATOR THRU WATER FILTER (ITEM #232)
P44	1/2"	COLD WATER (FILTERED)	WALL	18"	COFFEE BREWER	235	P.C. TO CONNECT TO COFFEE BREWER THRU WATER FILTER (ITEM #232)
P45	1/2"	COLD WATER (FILTERED)	WALL	18"	SPECIALTY DRINK DISPENSER	238	P.C. TO CONNECT TO SPECIALTY DRINK DISPENSER THRU WATER FILTER (ITEM #232)
P46	1/2"	COLD WATER (FILTERED)	WALL	18"	ICED TEA BREWER	241	P.C. TO CONNECT TO ICED TEA BREWER THRU WATER FILTER (ITEM #232)
P47	3"	DIRECT WASTE	WALL	18"	TROUGHVEYOR	17	P.C. TO BYPASS GREASE TRAP
P48	1"	COLD WATER	WALL	12"	HIGH TEMP FLIGHT TYPE DISH MACHINE	21	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P49	1/2"	HOT & COLD WATER	WALL	18"	TROUGHVEYOR	17	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P50	1/2"	HOT & COLD WATER	WALL	36"	HOSE BIBB	49	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P51	3"	DIRECT WASTE	FLOOR	-	MOP SINK	40	-

ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E1	JUNCT. BOX	SINK HEATER	12	-	9.0	25.0	208	3	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E3	JUNCT. BOX	HIGH TEMP FLIGHT TYPE DISH MACHINE	21	-	-	90.6	480	3	WALL	65"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E4	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E5	DUPLEX	AIR-CURTAIN REFRIGERATOR	26	-	1.02	8.5	120	1	WALL	72"	-
E6	JUNCT. BOX	CHEF'S COUNTER LOAD CENTER	31	-	-	125.0	120/208	3	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E7	SINGLE	MOBILE HEATED DISH DISPENSER	48	-	3.2	15.3	208	1	WALL	18"	-
E8	JUNCT. BOX	ROLL-IN HEATED CABINET	51	-	2.0	8.2	208	1	WALL	84"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E9	JUNCT. BOX	LIGHTS	53/81	-	-	15.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E10	JUNCT. BOX	DCV CONTROL PANEL	53.1/81.1	-	-	15.0	120	1	WALL	94"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E11	COMMUNICATION DATA PORT	-	53.1	-	-	-	-	-	WALL	18"	COORDINATE W/OWNER/OPERATOR
E12	DUPLEX	REFRIGERATED EQUIPMENT STAND	55	1/2	-	8.5	120	1	WALL	18"	-
E13	DUPLEX	COUNTERTOP GRIDDLE	58	-	-	1.0	120	1	WALL	18"	-
E14	DUPLEX	FRYER ASSEMBLY	61	-	-	9.0	120	1	WALL	18"	-
E15	DUPLEX	FRYER WARMER	62	-	-	6.3	120	1	WALL	18"	-
E16	DUPLEX	UNDERCOUNTER FREEZER	63	1/2	-	8.0	120	1	WALL	18"	-
E17	SINGLE	FLASH BAKE OVEN	64	-	6.0	30.0	208	1	WALL	18"	-
E18	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	50"	-
E19	SINGLE	FOOD PROCESSOR	67	1.2	-	3.8	208	1	WALL	50"	-
E20	JUNCT. BOX	DISPOSER W/CONTROL	71	2.0	-	6.6	208	3	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E21	DUPLEX	SLICER	73	1/2	-	5.6	120	1	WALL	50"	-
E22	DUPLEX	REFRIGERATOR	74/210	1/2	-	7.6	120	1	WALL	84"	-
E23	DUPLEX	MOBILE HEATER/PROOFER	78	-	1.9	16.0	120	1	WALL	72"	-
E24	DUPLEX	40 GAL. TILT SKILLET	84	-	-	1.4	120	1	WALL	18"	-
E25	JUNCT. BOX	DOUBLE STEAMER	85	-	0.15	-	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E26	DUPLEX	DOUBLE CONVECTION OVEN	87	1/2 (EACH)	-	6.0 (EACH)	120	1	WALL	24"/48"	-
E27	DUPLEX	DOUBLE COMBI OVEN	88	-	-	12.0 (EACH)	120	1	WALL	24"/48"	-
E28	JUNCT. BOX	CUBE ICE MAKER	89	-	-	11.5	120	1	WALL	76"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E29	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	50"	-
E30	JUNCT. BOX	40 QT. MIXER	95	1 1/2	-	5.6	208	3	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E31	JUNCT. BOX	REMOTE REFRIGERATION RACK	97	-	-	52.8	208	3	VFY	VFY	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E32	JUNCT. BOX	LIGHTS	98/107	-	-	10.0	120	1	FA	CLG.	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E33	JUNCT. BOX	BLOWER COIL +35° (COOLER #1)	101	-	-	2.7	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E34	JUNCT. BOX	LIGHTS, ALARM & DOOR HEATER	102	-	-	20.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E35	JUNCT. BOX	BLOWER COIL -10°	103	-	-	18.3	208	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E36	JUNCT. BOX	HEAT TAPE	103	-	-	15.0	120	1	FA	CLG.	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E37	JUNCT. BOX	BLOWER COIL +35° (COOLER #2)	108	-	-	1.8	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E38	JUNCT. BOX	ENTREE/SHORT-ORDER SERVING COUNTER LOAD CENTER	203	-	-	125.0	120/208	-	FLOOR	STUB	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E39	JUNCT. BOX	ROLL-THRU HEATED CABINET	212	-	2.0	8.2	208	1	WALL	84"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E40	DUPLEX	ROLL-THRU REFRIGERATOR	214	1/3	-	7.5	120	1	WALL	84"	-
E41	JUNCT. BOX	EXPO SERVING COUNTER LOAD CENTER	215	-	-	125.0	120/208	3	FLOOR	STUB	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E42	DUPLEX	ROLL-IN FREEZER	201	1/2	-	9.4	120	1	WALL	84"	-
E43	DUPLEX	DROP-IN SOUP WELL	223	-	-	4.2	120	1	WALL	18"	-
E44	DUPLEX	DROP-IN REFRIGERATED COLD PAN	224	1/4	-	3.7	120	1	WALL	18"	-
E45	SINGLE	REFRIGERATED GRAB-N-GO CASE	225	-	-	16.0	208	1	WALL	24"	-
E46	DUPLEX	ICE/SODA DISPENSER	231	-	-	15.0	120	1	WALL	50"	E.C. TO VERIFY ELECTRICAL LOADS OF VENDOR SUPPLIED EQUIPMENT W/OWNER
E47	JUNCT. BOX	CUBE ICE MAKER	233	-	-	8.8	120	1	WALL	76"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E48	DUPLEX	AMBIENT CARBONATOR	234	-	-	15.0	120	1	WALL	18"	E.C. TO VERIFY ELECTRICAL LOADS OF VENDOR SUPPLIED EQUIPMENT W/OWNER
E49	SINGLE	COFFEE BREWER	235	-	-	30.0	120/208	1	WALL	50"	E.C. TO VERIFY ELECTRICAL LOADS OF VENDOR SUPPLIED EQUIPMENT W/OWNER
E50	DUPLEX	SPECIALTY DRINK DISPENSER	238	-	-	15.0	120	1	WALL	50"	E.C. TO VERIFY ELECTRICAL LOADS OF VENDOR SUPPLIED EQUIPMENT W/OWNER
E51	DUPLEX	ICED TEA BREWER	241	-	-	15.0	120	1	WALL	50"	E.C. TO VERIFY ELECTRICAL LOADS OF VENDOR SUPPLIED EQUIPMENT W/OWNER
E52	DUPLEX	PRINTER (DEDICATED CIRCUIT)	245	-	-	15.0	120	1	FLOOR	STUB	E.C. TO VERIFY ELECTRICAL LOADS OF OWNER SUPPLIED EQUIPMENT W/OWNER
E53	JUNCT. BOX	FOOD SHIELD W/LIGHTS	222	-	-	10.0	120	1	WALL	24"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E54	-	EMPTY CONDUIT FOR EDP/POS SYSTEMS & PRINTERS	-	-	-	-	-	-	WALL	24"	E.C. TO VERIFY REQUIREMENTS & LOCATIONS W/OWNER/OPERATOR EDP/POS PLANS
E55	DUPLEX	POS SYSTEM (DEDICATED CIRCUIT)	245	-	-	15.0	120	1	FLOOR	-	E.C. TO VERIFY ELECTRICAL LOADS OF VENDOR SUPPLIED EQUIPMENT W/OWNER
E56	DUPLEX	MICROWAVE OVEN	251	-	1.0	13.4	120	1	WALL	50"	-
E57	SINGLE	REFRIGERATED GRAB-N-GO CASE	229	-	-	16.0	208	1	WALL	24"	E.C. TO VERIFY ELECTRICAL LOADS OF EXISTING EQUIPMENT W/OWNER
E58	DUPLEX	ICE CREAM FREEZER	239	1/4	-	3.5	120	1	WALL	24"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E59	JUNCT. BOX	TROUGHVEYOR	-	-	-	12.7	208	3	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED

LOAD CENTER CONNECTIONS SCHEDULE #E-6

NUMBER	QTY.	SERVICE TO	ITEM NO.	VOLT/PHASE	HP	KW	AMPS
E6A	3	PRINTER (DEDICATED CIRCUIT)	32	120/1	-	-	5.0
E6B	1	ICE/WATER DISPENSER	34	120/1	-	-	11.0
E6C	1	ICED TEA BREWER	35	120/1	-	-	15.0
E6D	1	COFFEE BREWER	37	120/208/1	-	-	30.0
E6E	1	ICE CREAM MERCHANDISING FREEZER	41	120/1	-	-	3.0
E6F	1	CONVEYOR TOASTER	42	120/1	-	1.8	15.0
E6G	1	MICROWAVE OVEN	43	208/1	-	3.2	16.0
E6H	1	REFRIGERATED PREPRATION UNIT	44	120/1	1/5	-	7.2
E6J	1	DROP-IN 5-WELL HOT FOOD UNIT	45	208/1	-	2.3	10.8
E6K	1	HEAT LAMP	46	208/1	-	2.2	10.6
E6M	1	BASE ACTIVATOR	47	208/3	-	6.7	20.0

LOAD CENTER CONNECTIONS SCHEDULE #E-38

NUMBER	QTY.	SERVICE TO	ITEM NO.	VOLT/PHASE	HP	KW	AMPS
E38A	1	FOOD SHIELD HEAT LAMP	204	120/1	-	-	11.0
E38B	1	FOOD SHIELD LIGHTS	204	120/1	-	-	10.0
E38C	1	DROP-IN 4-WELL HOT FOOD UNIT	205	208/1	-	1.8	8.7
E38D	1	HEATED DISPLAY CASE	206	120/1	-	0.75	6.3
E38E	1	FOOD SHIELD HEAT LAMP	207	120/1	-	-	17.0
E38F	1	FOOD SHIELD LIGHTS	207	120/1	-	-	15.0
E38G	2	DROP-IN INDUCTION RANGE	208	120/1	-	0.70	5.8
E38H	1	REFRIGERATED PREPARATION UNIT	209	120/1	1/5	-	7.2

LOAD CENTER CONNECTIONS SCHEDULE #E-41

NUMBER	QTY.	SERVICE TO	ITEM NO.	VOLT/PHASE	HP	KW	AMPS
E41A	2	FOOD SHIELD HEAT LAMP	216/218	120/1	-	-	11.0
E41B	2	FOOD SHIELD LIGHTS	216/218	120/1	-	-	10.0
E41C	2	DROP-IN 4-WELL HOT/COLD FOOD UNIT	217	120/208/1	-	-	21.0

VENTILATION SCHEDULE

ITEM	QTY.	SIZE	CONNECTION	C.F.M.	S.P.	REMARKS
V01		16" DIA.	EXHAUST	750	-	FOR HIGH TEMP FLIGHT TYPE DISHMACHINE
V02	2	10" X 18"	EXHAUST	1950	-0.764"	FOR EXHAUST HOOD #53
V03	4	12" X 28"	SUPPLY	780	0.227"	FOR EXHAUST HOOD #53
V04	2	10" X 16"	EXHAUST	1687	-0.633"	FOR EXHAUST HOOD #81
V05	3	12" X 28"	SUPPLY	900	0.257"	FOR EXHAUST HOOD #81

REFRIGERATION CONNECTIONS SCHEDULE

ITEM	DESCRIPTION	TEMP. RANGE	REMARKS
R-101	BLOWER COIL	+34°	FOR COOLER #1
R-103	BLOWER COIL	-10°	FOR FREEZER
R-108	BLOWER COIL	+34°	FOR COOLER #2

FOR REFERENCE ONLY

INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Clearwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1507

REVISION

NUMBER	DESCRIPTION	DATE

MECHANICAL SCHEDULES

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	N.T.S.
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.10

PLUMBING NOTES

1. THESE DRAWINGS INDICATE THE ROUGH-INS AND CONNECTIONS FOR THE EQUIPMENT AND FIXTURES AS FURNISHED/INSTALLED BY JOHNSON-LANCASTER. ANY ADDITIONAL PLUMBING ROUGH-INS REQUIRED BY LOCAL CODES OR REQUESTED BY THE OWNER/OPERATOR SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR AT NO ADDITIONAL CHARGE TO JOHNSON-LANCASTER. REFER TO THE ARCHITECTURAL PLANS AND/OR THE PLUMBING ENGINEERS' DRAWINGS FOR ANY ADDITIONS PLUMBING REQUIREMENTS.
2. THE HORIZONTAL DIMENSIONING INDICATED ON THESE PLANS ARE CUMULATIVE FROM THE CENTERLINE OF ROUGH-IN TO CENTERLINE OF ROUGH-IN TO FACE OF FINISHED WALL OR STRUCTURAL COLUMN, UNLESS OTHERWISE NOTED ON THESE PLANS AND/OR DETAILS. THE VERTICAL DIMENSIONS INDICATED ARE FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN. ALL FLOOR PENETRATION PLUMBING STUB-UPS SHALL NOT EXCEED 5" IN HEIGHT FROM FINISHED FLOOR.
3. THESE DRAWINGS ARE PROVIDED FOR THE SOLE PURPOSE OF INDICATING THE LOCATION OF THE ROUGH-INS, THE TYPE OF CONNECTIONS NECESSARY AND THE PLUMBING LOADS FOR THE EQUIPMENT FURNISHED BY JOHNSON-LANCASTER ONLY. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL FINAL CONNECTIONS, EXTERNAL AND INTERNAL, ALL PIPING, FITTINGS, PARTS, ETC., NECESSARY TO MAKE THE PROVIDED EQUIPMENT FUNCTIONAL, UNLESS OTHERWISE NOTED ON THESE PLANS.
4. THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL GATE VALVES ON ALL WATER DRAINS AND GAS LINES AND TAIL PIECES AND SINK DRAIN FITTINGS FOR ALL KITCHEN EQUIPMENT, AS REQUIRED, UNLESS OTHERWISE SPECIFIED ON THESE DRAWINGS. THE PLUMBING CONTRACTOR TO INSTALL THE FAUCETS AND DRAINS FURNISHED BY JOHNSON-LANCASTER.
5. THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ALL INDIRECT WASTE LINES FOR SINKS, DISH WASHERS, ETC., AND DIRECT WASTE LINES FOR HAND SINKS, DISPOSERS, ETC., AS INDICATED ON THESE PLANS UNLESS OTHERWISE SPECIFIED. THE DRAIN LINES ARE TO BE NO SMALLER THAN THE STUB-OUT OF THE FIXTURE, TO BE RUN IN A MANNER AS TO NOT INTERFERE WITH THE FUNCTION OF THE EQUIPMENT AND THE INDIRECT WASTE LINES MUST HAVE A MINIMUM CLEARANCE OF 6" ABOVE FINISHED FLOOR FOR FLOOR CLEANING.
6. THE PLUMBING CONTRACTOR TO VERIFY SIZE OF GAS SERVICE LINES AND INSTALL THE MAIN GAS VALVE FURNISHED BY THE FIRE SUPPRESSION CONTRACTOR AS REQUIRED UNLESS OTHERWISE SPECIFIED ON THESE DRAWINGS.
7. THE PLUMBING CONTRACTOR TO INSTALL ALL QUICK DISCONNECT GAS HOSES AND SAFETY RESTRAINING DEVICES AS REQUIRED AND FURNISHED BY JOHNSON-LANCASTER. THE PLUMBING CONTRACTOR TO BLEED ALL GAS LINES AND LIGHT OFF ALL EQUIPMENT PRIOR TO CHECK OUT AND START UP BY THE SERVICE AGENCY AND THE OWNER.
8. THE PLUMBING CONTRACTOR MUST CONTACT JOHNSON-LANCASTER FOR CLARIFICATION IF THE LOCATIONS OF THE ROUGH-INS, DRAINS, ETC., ARE IN CONFLICT WITH THE BUILDING STRUCTURE OR CAN NOT BE LOCATED PER THESE PROVIDED ROUGH-IN DRAWINGS.
9. THE PLUMBING CONTRACTOR TO VERIFY ALL LOCAL BUILDING, HEALTH AND PLUMBING CODES TO CONFIRM TYPE OF DRAIN LINES REQUIRED AND/OR ANY DRAIN LINE GREASE TRAP REQUIREMENTS. THE PLUMBING CONTRACTOR TO NOTIFY JOHNSON LANCASTER AT ONCE IF ANY DISCREPANCIES EXIST BETWEEN CODE REQUIREMENTS AND PROVIDED DRAWINGS THE PLUMBING CONTRACTOR TO VERIFY WITH LOCAL CODES TO CONFIRM IF CLEAN WASTE WATER IS REQUIRED TO BE DRAINED TO STORM SEWER.
10. THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ALL PIPING AND FITTINGS, GATE VALVES, SHOCK ARRESTORS, TAIL PIECES, TRAPS, WATER LINE STRAINERS, GAS VALVES, REGULATORS, ETC., AS NECESSARY FOR ALL EQUIPMENT WHERE THESE ITEMS ARE NOT PROVIDED AS STANDARD BY THE EQUIPMENT MANUFACTURER.
11. THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PRESSURE REDUCING VALVES FOR STEAM LINES AS REQUIRED BY EQUIPMENT AND SPECIFIED BY EQUIPMENT MANUFACTURER. THE PLUMBING CONTRACTOR TO DETERMINE THE PRESSURE DROPS IN THE STEAM LINES AS NECESSARY TO INSURE PROPER EQUIPMENT FUNCTION AND TO PROVIDE ANY/ALL BOILER CERTIFICATIONS AND/OR LICENSES AS REQUIRED BY CODE. THE STEAM PRESSURE RATINGS INDICATED ON THESE DRAWINGS ARE MINIMUM AND MAXIMUM AT THE EQUIPMENT AND NOT AT THE BOILER.
12. THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL MAIN GAS REGULATOR TO MATCH THE WATER COLUMN PRESSURES FOR ALL COOKING EQUIPMENT FURNISHED BY JOHNSON-LANCASTER AND AS SPECIFIED BY THE EQUIPMENT MANUFACTURER.
13. JOHNSON LANCASTER TO PROVIDE AND INSTALL ALL PIPING, FITTINGS, TRAPS, ETC., NECESSARY FOR THE INDIRECT WASTE LINES FROM WALK-IN EVAPORATOR COILS TO AN OPEN WASTE WATER RECEPTACLE AS REQUIRED BY LOCAL CODES. COORDINATE WALK-IN WALL PENETRATIONS WITH JOHNSON-LANCASTER.
14. THE PLUMBING CONTRACTOR TO PROVIDE THE NECESSARY INTERCONNECTIONS BETWEEN THE WATER ROUGH-IN TO THE WATER FILTER AND FROM THE WATER FILTER TO THE EQUIPMENT REQUIRING FILTERED WATER; ICE MAKERS, BEVERAGE EQUIPMENT, STEAMERS, ETC., AS INDICATED ON THESE PLANS AND PER LOCAL CODES.
15. THE PLUMBING CONTRACTOR TO INSTALL THE PROVIDED P.V.C. TYPE CONDUIT FOR LIQUID OR REFRIGERATION LINE RUNS EITHER UNDERGROUND OR OVERHEAD AS INDICATED ON THE SPECIAL CONDITIONS PLAN AND PROVIDED DETAILS. VERIFY CODE COMPLIANCE. IF CONDUIT RUNS IN OR THROUGH A FIRE RATED WALL, CEILING, ETC., PROVISIONS MUST BE MADE TO ENCASE CONDUIT IN FIRE-PROOF MATERIAL AS REQUIRED TO MAINTAIN FIRE RATING. THE CONDUIT INSTALLED UNDERGROUND TO BE STUBBED UP FROM THE FLOOR TO A MAXIMUM HEIGHT OF 5" ABOVE FINISHED FLOOR AND BE SEALED AFTER THE INSTALLATION OF THE LIQUID OR REFRIGERATION LINES. COORDINATE CONDUIT INSTALLATION WITH THE GENERAL CONTRACTOR, REFRIGERATION CONTRACTOR AND/OR LIQUID BEVERAGE SUPPLIER.
16. THE PLUMBING CONTRACTOR TO PROVIDE A CODE COMPLIANT SEAL AT ALL STUB-OUTS AFTER FINAL CONNECTIONS TO THE EQUIPMENT HAVE BEEN MADE.
17. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE PLUMBING REQUIREMENTS FOR ANY EXISTING EQUIPMENT, OWNER OR VENDOR PROVIDED EQUIPMENT OR ANY EQUIPMENT FURNISHED BY OTHER THAN JOHNSON-LANCASTER.

PLUMBING SYMBOLS

COLD WATER	CW	●
HOT WATER	HW	●
COOLING TOWER WATER	CTW	●
COOLING TOWER WATER RETURN	CTWR	●
WASTE	W	
INDIRECT WASTE	IW	
HUB DRAIN/AIR GAP DRAIN	HD/AGD	○
FLOOR DRAIN	FD	
FUNNEL-TYPE FLOOR DRAIN	FFD	
FLOOR SINK - 1/2 GRATE	FS	
STEAM SUPPLY	SS	
CONDENSATE RETURN	CR	
GAS SUPPLY	G	
POINT OF CONNECTION		

ELECTRICAL NOTES

1. THESE DRAWINGS INDICATE THE ROUGH-INS AND CONNECTIONS FOR THE EQUIPMENT AND FIXTURES AS FURNISHED/INSTALLED BY JOHNSON-LANCASTER. ANY ADDITIONAL ELECTRICAL ROUGH-INS REQUIRED BY LOCAL CODES OR REQUESTED BY THE OWNER/OPERATOR SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT NO ADDITIONAL CHARGE TO JOHNSON-LANCASTER. REFER TO THE ARCHITECTURAL PLANS AND/OR THE ELECTRICAL ENGINEERS' DRAWINGS FOR ANY ADDITIONS ELECTRICAL REQUIREMENTS.
2. THE HORIZONTAL DIMENSIONING INDICATED ON THESE PLANS ARE CUMULATIVE FROM THE CENTERLINE OF ROUGH-IN TO CENTERLINE OF ROUGH-IN TO FACE OF FINISHED WALL OR STRUCTURAL COLUMN, UNLESS OTHERWISE NOTED ON THESE PLANS AND/OR DETAILS. THE VERTICAL DIMENSIONS INDICATED ARE FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN. ALL FLOOR PENETRATION ELECTRICAL STUB-UPS SHALL NOT EXCEED 5" IN HEIGHT FROM FINISHED FLOOR.
3. THESE DRAWINGS ARE PROVIDED FOR THE SOLE PURPOSE OF INDICATING THE LOCATION OF THE ROUGH-INS, THE TYPE OF CONNECTIONS NECESSARY AND THE ELECTRICAL LOADS FOR THE EQUIPMENT FURNISHED BY JOHNSON-LANCASTER ONLY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL THE CIRCUIT WIRING AND THE CONDUIT RUNS AS REQUIRED.
4. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL THE CAPS AND CORDS ASSEMBLIES NECESSARY FOR ALL EQUIPMENT WHERE THESE ITEMS ARE NOT PROVIDED AS STANDARD BY THE EQUIPMENT MANUFACTURER. THE ELECTRICAL CONTRACTOR SHALL SHORTEN ANY CORD AND PLUG ASSEMBLIES AS REQUIRED BY LOCAL CODE AND TO VERIFY NEMA RATED PLUG AND DEVICE CONFIGURATION WITH THE MANUFACTURERS SPECIFICATIONS.
5. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL THE MAGNETIC STARTERS, THE DISCONNECTS AND THE THERMAL-OVERLOAD PROTECTION FOR ALL MOTORS AS INDICATED ON THESE PLANS OR AS REQUIRED BY THE EQUIPMENT MANUFACTURER.
6. THE ELECTRICAL CONTRACTOR TO PROVIDE ALL THE FINAL CONNECTIONS TO THE EQUIPMENT AND MAKE ANY FIELD JOINT WIRING CONNECTIONS AS INDICATED ON THESE PLANS OR AS AS REQUIRED BY THE EQUIPMENT MANUFACTURER.
7. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL CONDUIT RUNS OR CHASES NECESSARY LOCATED INSIDE OF CABINETS OR FABRICATED EQUIPMENT TO THE REAR OF UNIT TO MAXIMIZE ACCESSIBILITY OR STORAGE CAPABILITY AND NOT CONFLICT WITH THE OPERATION AND/OR SERVICE OF THE EQUIPMENT.
8. THE ELECTRICAL CONTRACTOR TO PROVIDE THE ELECTRICAL SERVICE AT THE LOCATION AS INDICATED ON THESE PLANS FOR THE REMOTE COMPRESSORS / CONDENSERS. IF THESE UNITS ARE LOCATED OUTSIDE OF THE BUILDING THE ELECTRICAL WIRING MUST BE PROVIDED IN A CODE COMPLIANT WATER-TIGHT CONDUIT. THE ELECTRICAL CONTRACTOR TO PROVIDE THE CONTROL WIRING FOR SOLENOIDS AT EVAPORATOR COILS, COMPLETE WITH DISCONNECT SWITCHES AND MAGNETIC STARTERS, AND, IF NECESSARY, A FOUR WIRE SERVICE TO THE WALK-IN FREEZER EVAPORATOR COIL FOR THE AUTOMATIC DEFROST SYSTEM. VERIFY THE SYSTEM REQUIREMENTS WITH THE EQUIPMENT MANUFACTURERS' SPECIFICATIONS, THE SITE CONDITIONS AND THE EQUIPMENT LOCATIONS.
9. THE ELECTRICAL CONTRACTOR TO INSTALL THE WALK-IN LIGHTS, SHIPPED LOOSE, FURNISH LIGHT BULBS, AS NECESSARY, AND PROVIDE ALL FINAL CONNECTIONS TO WALK-IN COMPLEX COMPONENTS; EVAPORATOR COILS, DOOR HEATERS, ALARMS, ETC., AS REQUIRED. VERIFY WITH PROVIDED EQUIPMENT AND THE MANUFACTURERS' SPECIFICATIONS.
10. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL THE SWITCHES FOR EXHAUST HOOD ASSEMBLY LIGHTS, FURNISH LIGHT BULBS, AS NECESSARY, AND TO PROVIDE AND INSTALL THE DISCONNECTS TO THE FAN CONTROL WIRING FOR THE EXHAUST AND/OR SUPPLY AIR FANS. VERIFY REQUIREMENTS WITH EQUIPMENT MANUFACTURER SPECIFICATIONS.
11. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL WIRING FOR THE MAIN GAS SHUT-OFF VALVE, IF AN ELECTRICAL VALVE IS SPECIFIED, TO THE FIRE SUPPRESSION SYSTEM AND THE HOOD EXHAUST AND/OR SUPPLY AIR FANS. VERIFY LOCAL CODE COMPLIANCE AND COORDINATE THE INSTALLATION WITH FIRE SUPPRESSION CONTRACTOR.
12. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL THE CONTACTS AND SHUNT-TRIP DEVICES FOR ALL COOKING EQUIPMENT REQUIRING ELECTRIC SERVICE AND LOCATED UNDER AN EXHAUST HOOD ASSEMBLY, INTERWIRED WITH THE FIRE SUPPRESSION SYSTEM TO SHUT DOWN EQUIPMENT IN CASE OF FIRE. VERIFY REQUIREMENTS WITH LOCAL CODES, EQUIPMENT PROVIDED AND THE MANUFACTURERS' SPECIFICATIONS. COORDINATE THE INSTALLATION WITH FIRE SUPPRESSION CONTRACTOR.
13. THE ELECTRICAL CONTRACTOR TO PROVIDE THE WIRING TO THE TABLE LIMIT SWITCH FROM THE DISH MACHINE CONVEYOR DRIVE TO THE CLEAN DISH TABLE LOCATION AS REQUIRED. VERIFY WITH EQUIPMENT PROVIDED AND SITE CONDITIONS.
14. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL THE STAINLESS STEEL COVER PLATES FOR ANY PARTIAL OR FULLY EXPOSED PULL BOXES, ELECTRICAL ACCESS BOXES AND/OR ANY GENERAL PURPOSE CONVENIENCE OUTLETS AS INDICATED ON THESE PLANS.
15. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A DEDICATED CIRCUIT WITH A CLEAN EARTH GROUND FOR THE OWNER PROVIDED POINT OF SALE EQUIPMENT. PROVIDE A SEPARATE EMPTY CONDUIT WITH JUNCTION BOX SUITABLE FOR THE EQUIPMENT DATA LINES. VERIFY ALL REQUIREMENTS AND LINE RUNS WITH THE OWNER AND EQUIPMENT SUPPLIERS.
16. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ELECTRICAL REQUIREMENTS FOR ANY EXISTING EQUIPMENT, OWNER OR VENDOR PROVIDED EQUIPMENT OR ANY EQUIPMENT FURNISHED BY OTHER THAN JOHNSON-LANCASTER.

ELECTRICAL SYMBOLS

SINGLE RECEPTACLE, NEMA 5-20R	SR	
DUPLEX RECEPTACLE, NEMA 5-15R	DR	
SINGLE RECEPTACLE, 208V OR 480V	SR	
FLOOR RECEPTACLE	FR	
JUNCTION BOX	JB	J
DROP CORD OR CONDUIT	DC	D
CONDUIT STUB	C	●
SWITCH	S	S
INCANDESCENT LIGHT		
L.E.D. LIGHT		
POINT OF CONNECTION ON EQUIPMENT		
COMMUNICATIONS OUTLET		
VAPOR-PROOF LIGHTS		
PULL BOX-FIRE SUPRESSION		P
GREASE SENSOR	GS	

SPECIAL CONDITIONS NOTES

1. THESE DRAWINGS INDICATE THE SPECIAL BUILDING CONDITIONS NECESSARY FOR EQUIPMENT AND FIXTURES AS FURNISHED/INSTALLED BY JOHNSON-LANCASTER ONLY. ANY BUILDING MODIFICATION REQUIRED BY LOCAL CODES OR REQUESTED BY THE OWNER/OPERATOR SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL CHARGE TO JOHNSON-LANCASTER. REFER TO THE ARCHITECTURAL PLANS AND/OR THE STRUCTURAL ENGINEERS' DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS.
2. THE HORIZONTAL DIMENSIONING INDICATED ON THESE PLANS ARE CUMULATIVE FROM THE FACE OF THE OPENING OR DEPRESSION TO FACE OF FINISHED WALL, STRUCTURAL COLUMN AND COLUMN CENTERLINE. UNLESS OTHERWISE NOTED ON THESE PLANS AND/OR DETAILS. THE VERTICAL DIMENSIONS INDICATED ARE FROM FINISHED FLOOR TO FACE OF OPENING OR BOTTOM OF DEPRESSION. VERIFY ALL DIMENSIONS PROVIDED ON THESE DRAWINGS WITH SITE CONDITIONS AND THE ARCHITECTURAL PLANS.
3. THE GENERAL CONTRACTOR TO PROVIDE WALLS AND CEILINGS IN THE FOOD SERVICE AREAS WITH A LIGHT COLORED, SMOOTH, WASHABLE AND NON-ABSORBENT MATERIAL ALL FLOOR MATERIAL SHALL BE SET, ACID WASHED AND RINSED PRIOR THE FOOD SERVICE EQUIPMENT INSTALLATION. WHERE QUARRY TILE FLOORS ARE EXTENDED INTO THE WALK-IN COMPLEX THE GENERAL CONTRACTOR SHALL PROTECT ALL EXPOSED METAL SURFACES AND REMOVE WALK-IN DOORS PRIOR TO ACID WASHING THE FLOOR. PROVIDE POWER VENTILATION TO REMOVE FUMES.

SPECIAL CONDITIONS SYMBOLS

SLEEVE	○
SLAB DEPRESSION	
BLOCKOUT	
RAISED CURB	
WALL BACKING	

REFRIGERATION NOTES

1. THE REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS IN ACCORDANCE WITH ALL LOCAL CODES AND ANY JURISDICTIONAL REGULATIONS. ALL REFRIGERATION LINE COPPER SHALL BE REFRIGERATION GRADE TUBING ONLY. REFRIGERATION DRAIN PIPING SHALL BE GRADE ACR OR TYPE 'L' SEAMLESS. ALL JOINTS FOR HARD COPPER TO SOFT COPPER TO BE SWEAT-TYPE FITTINGS. FOR ALL STEEL TO COPPER JOINTS USE SILVER SOLDER AND COPPER TO COPPER JOINTS A SILVER BEARING ALLOY SOLDER, EASY-FLO 45, OR EQUAL.
2. THE REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL ALL REFRIGERATION LIQUID AND SUCTION LINES FROM REMOTE CONDENSING UNIT TO UNIT EVAPORATOR COIL, ALL THE LINE HANGERS, ESCUTCHEON PLATES, VALVES, SIGHT GLASS, PRESSURE CONTROLS, THE FILTER DRYERS AND HAND VALVES AS NECESSARY. ALL SUCTION LINES SHALL BE INSULATED WITH CODE APPROVED INSULATING MATERIAL WITH A P-TRAP INSTALL ON ANY SUCTION LINE WITH A VERTICAL RISE OF EIGHT FEET OR MORE. THE LIQUID AND SUCTION LINES SHALL NOT BE CLAMPED OR SOLDERED TOGETHER DUE TO LINE EXPANSION AND CONTRACTION. MECHANICAL BENDS IN THE PIPING WILL NOT BE ACCEPTABLE.
3. THE REFRIGERATION CONTRACTOR TO COORDINATE WITH THE GENERAL CONTRACTOR AND THE PLUMBING CONTRACTOR THE LOCATIONS AND LINE RUNS, WALL AND/OR FLOOR SLEEVES AND ANY BUILDING PENETRATIONS NECESSARY FOR THE P.V.C. CONDUIT HOUSING RUNS FOR THE REFRIGERATION LINES. CONDUIT RUNS INDICATED ON THESE DRAWINGS ARE PROVIDED AS A GUIDE. IT WILL BE NECESSARY TO DEAL WITH FIELD CONDITIONS TO ROUTE LINE TO PROVIDE THE SHORTEST RUN POSSIBLE.
4. THE REFRIGERATION LINES TO THE WALK-IN COMPLEX EVAPORATORS SHALL BE RUN ABOVE THE CEILING, SECURED TO STRUCTURE AND DROP DOWN AT THE POINT OF CONNECTION TO THE WALK-IN EVAPORATOR COILS. AFTER THE REFRIGERATION LINE CONNECTIONS HAVE BEEN COMPLETED THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED WITH ALL VALVES OPEN. ALL COMPLETED REFRIGERATION SYSTEMS MUST BE EVACUATED TO 300 MICRONS OR LESS WITH A VACUUM PUMP.

REFRIGERATION SYMBOLS

COMPRESSOR OR COIL	
REFRIGERATION LINE & CONNECTION	
REFRIGERATION LINE SLEEVE WALL OR CEILING	○

VENTILATION NOTES

1. THESE DRAWINGS INDICATE THE ROUGH-INS AND CONNECTIONS FOR THE EQUIPMENT AND FIXTURES AS FURNISHED/INSTALLED BY JOHNSON-LANCASTER. ANY ADDITIONAL MECHANICAL ROUGH-INS REQUIRED BY LOCAL CODES OR REQUESTED BY THE OWNER/OPERATOR SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTO AT NO ADDITIONAL CHARGE TO JOHNSON-LANCASTER. REFER TO THE ARCHITECTURAL PLANS AND/OR THE MECHANICAL ENGINEERS' DRAWINGS FOR ANY ADDITIONS MECHANICAL/VENTILATION REQUIREMENTS.
2. THE MECHANICAL CONTRACTOR TO PROVIDE ALL THE VENTILATION DUCTWORK, EXHAUST AIR FANS, SUPPLY AIR FANS, FAN CONTROLS, INTERLOCKS, MOTOR STARTERS, DISCONNECT SWITCES, INTERCONNECTING WIRING, CONDUIT, AS NECESSARY, AND MAKE ALL FINAL CONNECTIONS TO AND FROM VENTILATORS, CONTROL PANELS, AND BETWEEN THE INDIVIDUAL VENTILATOR SECTIONS AS REQUIRED. VERIFY WITH THE PROVIDED EQUIPMENT, THE EQUIPMENT MANUFACTURER AND SITE CONDITIONS.
3. THESE DRAWINGS ARE PROVIDED FOR THE SOLE PURPOSE OF INDICATING THE LOCATION OF THE ROUGH-INS, THE TYPE OF CONNECTIONS NECESSARY AND THE MECHANICAL LOADS FOR THE EQUIPMENT FURNISHED BY JOHNSON-LANCASTER ONLY. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR DUCTWORK, ETC., FROM THE HOOD DUCT COLLAR ON. REFER TO THE ARCHITECTURAL AND OR MECHANICAL ENGINEERS' DRAWINGS FOR ADDITIONAL MECHANICAL/VENTILATION REQUIREMENTS.
4. THE HOOD DUCT LOCATIONS, SIZES, CFM RATINS AND STATIC PRESSURE, IF INDICATED ON THESE DRAWINGS, ARE MINIMUM GUIDELINES FOR THE EQUIPMENT FURNISHED/INSTALLED BY JOHNSON-LANCASTER ONLY AND MUST BE VERIFIED WITHT THE EQUIPMENT MANUFACTURER OR THE EQUIPMENT PROVIDER.
5. THE FOLLOWING ARE GENERAL VENTILATION RECCOMMENDATIONS FOR FOODSERVICE AREAS
   A. PREPARATION, COOKING, POT WASH AND DISH WASH AREAS- 45 TO 60 AIR CHANGES PER HOUR
   B. DRY FOOD STORAGE AREAS- 2 TO 3 AIR CHANGES PER HOUR MAXIMUM AMBIENT TEMPERATURE 70° F.
   C. OFFICE AREAS- 4 AIR CHANGES PER HOUR
   D. AIR-COOLED CONDENSING UNITS- 1000 CFM PER HORSEPOWER PER HOUR MAXIMUM AMBIENT TEMPERATURE 90°
   E. WATER-COOLED CONDENSING UNIT- 250 CFM PER HORSE POWER PER HOUR MAXIMUM AMBIENT TEMPERATURE 90° F.

   ADEQUATE VENTILATION IS REQUIRED FOR SELF-CONTAINED REFRIGERATED UNITS IN ANY ENCLOSED AREA, ICE MAKERS, ETC., TO PREVENT UNIT OVERHEATING AND/OR COMPRESSOR FAILURE. VERIFY REQUIREMENTS WITH EQUIPMENT MANUFACTURER. ALL AREA MUST BE VENTILATED AS REQUIRED BY APPLICABLE GOVERNING CODES.
6. THE VENTILATOR HOOD SUPPLY AIR SYSTEM, IN INDICATED ON THESE DRAWINGS, SHALL BE DESIGNED TO PROVIDE A 10% TO 20% NEGATIVE AIR PRESSURE IN THE KITCHEN AREA TO CONTAIN SMOKE AND COOKING ODORS.

VENTILATION SYMBOLS

EXHAUST DUCT	
SUPPLY DUCT	
STATIC PRESSURE, WATER GAUGE	SPWG
CUBIC FEET/MINUTE	CFM

KITCHEN HOOD SEQUENCE OF OPERATIONS

EXHAUST HOOD WILL START UPON:

A: OPERATOR TURNING FAN ON BUTTON ON FACE OF HOOD
B: THERMAL HEAT SENSOR IN HOOD DETECTING HEAT FROM APPLIANCES AT DEGREES AND AUTOMATICALLY TURNING FANS ON.

THE FAN ON COMMAND WILL SEND A 0-10V DC SIGNAL TO THE EXHAUST AND SUPPLY FAN VFD'S. FAN SPEED WILL MODULATE BASE ON TEMPERATURE RISE AND FAN DETECTED BY HEAT SENSORS IN HOOD.

HOOD LIGHTS WILL BE CONTROLLED VIA HMI TOUCH PAD ON HOOD CONTROL PANEL.

FIRE CONDITION AT ANY HOOD SYSTEM:

IN THE EVEN OF A HOOD FIRE SUPPRESSION ACTIVATION THE FOLLOWING WILL OCCUR:

-EXHAUST FAN WILL RAMP UP TO FULL SPEED.

-(IN THE EVEN THE HOODS ARE TURNED OFF WITH A SUPRESSION SYSTEM DISCHARGE, THE EXHAUST FAN WILL AUTOMATICALLY TURN ON)

-MAKE-UP AIR SERVING THE HOODS WILL SHUT OFF.

-ALL ELECTRIC OUTLETS/CIRCUITS UNDER ALL HOODS WILL DE-ENERGIZE.

-ALL FUEL GAS SERVING ALL HOOS WILL SHUT OFF (ELECTRIC GAS VALVES WILL DE-ENERGIZE)

-CHEMICAL DISCHARGE SHALL OCCUR AT COKING HOODS WITH ASSOCIATED FIRE.

-BUILDING FIRE ALARM WILL ANNUNCIATE AND WILL REGISTER AT BUILDING FIRE ALARM PANEL WITH DESCRIPTION/LOCATION OF INCIDENT.

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2024

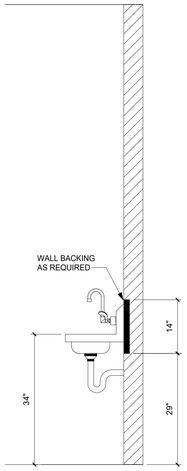
INMAN LANCASTER foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Clearwater, FL. 33764 phone: (727 796-5622 fax: (727 799-1502

NUMBER	DESCRIPTION	DATE
	REVISION	

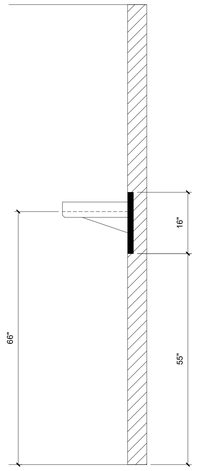
MECHANICAL NOTES

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

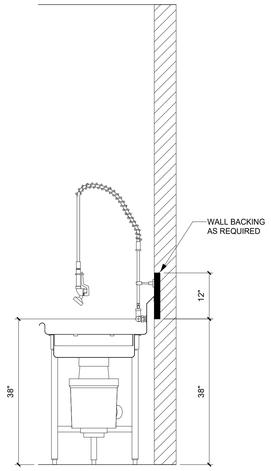
DATE:	12/05/2024
SCALE:	N.T.S.
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.11



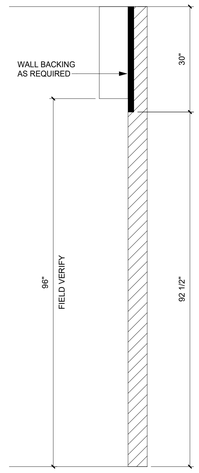
HAND SINK WALL
BACKING DETAIL



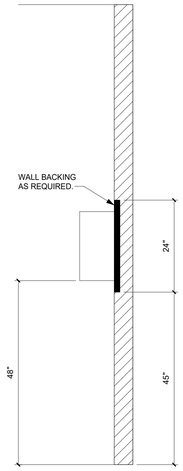
S/S WALL SHELF WALL
BACKING DETAIL



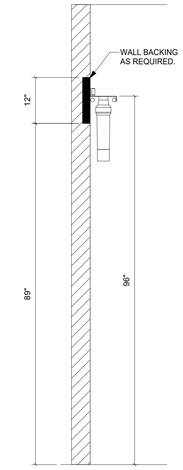
PRE-RINSE UNIT WALL
BACKING DETAIL



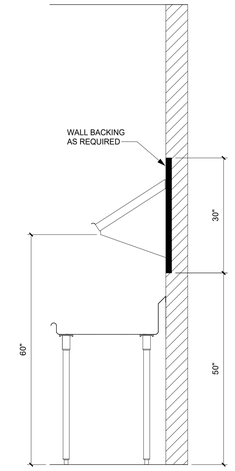
FIRE SUPPRESSION SYSTEM
WALL BACKING DETAIL



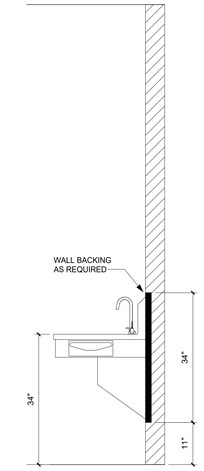
WALL BACKING AT
DCV CONTROL PANEL



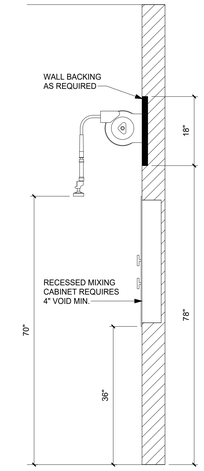
WATER FILTER WALL
BACKING DETAIL (TYP.)



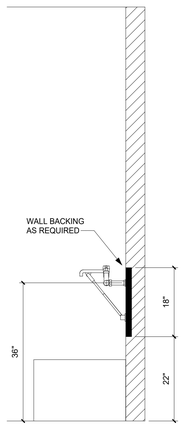
RACK SHELF WALL
BACKING DETAIL



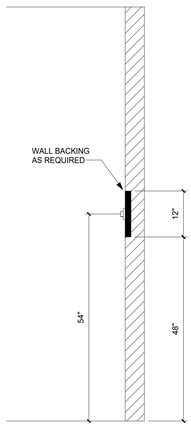
HAND SINK WALL
BACKING DETAIL



WALL MOUNTED HOSE REEL
WALL BACKING DETAIL



HOSE BIBB WALL
BACKING DETAIL



MOP/BROOM RACK
WALL BACKING DETAIL

FOR REFERENCE ONLY

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

INMAN LANCASTER
foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

REVISION NUMBER	DESCRIPTION	DATE

DETAILS

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	3/4" = 1'-0"
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.12

DIVISION 11400 FOODSERVICE EQUIPMENT RESPONSIBILITY SCHEDULE

ITEM	KEC PROVIDE	KEC INSTALL	OTHER TRADES PROVIDE	OTHER TRADES INSTALL	NOTES
GENERAL					
DELIVER, UNCRATE & SET-IN-PLACE	X	X			
WALL BACKING			X	X	1
SLEEVE, FIREPROOF, INSULATE & SEAL ALL FLOOR, WALL AND ROOF PENETRATIONS			X	X	
START-UP, TEST & CALIBRATE KEC PROVIDED EQUIPMENT	X				
DATA INTERFACE CABLE			X	X	
GENERAL CONTRACTOR TO PROVIDE A TRASH DUMPSTER WITHIN 100 FEET FROM LOADING DOCK FOR OWNER PROVIDED EQUIPMENT TRASH DISPOSAL			X		
ELECTRICAL					
REVIEW KEC CONSTRUCTION DRAWINGS & NOTIFY KEC OF VARIANCES FROM ARCHITECTURAL/ELECTRICAL DRAWINGS			X	X	
CONNECT EQUIPMENT TO BUILDING ELECTRICAL SERVICE			X	X	1
INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS & FIELD JOINTS			X	X	1
CONTROL WIRING			X	X	1
ELECTRICAL MATERIALS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM SUCH AS BUT NOT LIMITED TO: CONDUIT, JUNCTION BOXES, WIRING, CONNECTORS, SWITCHES, DISCONNECT SWITCHES AND RECEPTACLES			X	X	
MECHANICAL & PLUMBING					
REVIEW KEC CONSTRUCTION DRAWINGS & NOTIFY KEC OF VARIANCES FROM ARCHITECTURAL/MECHANICAL/PLUMBING DRAWINGS			X	X	
CONNECT EQUIPMENT TO BUILDING POTABLE WATER SERVICE			X	X	1
CONNECT EQUIPMENT TO BUILDING SANITARY SEWER DRAINAGE SYSTEM			X	X	1
EXTEND INDIRECT WASTE DRAINS ON EQUIPMENT TO BUILDING INDIRECT WASTE DRAINS			X	X	1
CONNECT WATER COOLED EQUIPMENT TO BUILDING COOLING WATER SYSTEM			X	X	1
CONNECT GAS FIRED EQUIPMENT TO BUILDING GAS SERVICE			X	X	1
CONDENSATE PUMP (IF REQUIRED)			X	X	
SINK FAUCETS	X			X	1
WASTE DRAINS	X			X	1
FLEXIBLE GAS HOSE	X			X	1
GAS APPLIANCE PRESSURE REGULATOR	X			X	
PRIMARY GAS PRESSURE REGULATOR FOR GAS SERVICE			X	X	2
INTER-CONNECTION GAS MANIFOLD ASSEMBLIES	X			X	
FLOOR TROUGH ASSEMBLIES	X			X	1
INSTALL & INTER-CONNECT COMPONENTS SHIPPED LOOSE	X			X	
PLUMBING MATERIALS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM SUCH AS BUT NOT LIMITED TO: PIPES, TRAPS, STOPS, VALVES, SHUT-OFF VALVES, WATER HAMMER ARRESTOR AND PRESSURE REDUCING VALVES			X	X	
VENTILATION					
NON-WATER WASH EXHAUST HOOD					
EXHAUST HOOD	X			X	1
EXHAUST & MAKE-UP AIR DUCT WORK			X	X	3
CONNECT DUCT WORK TO COLLAR ON EXHAUST HOOD & BUILDING EXHAUST SYSTEM			X	X	3
BUILDING STRUCTURAL SUPPORT			X	X	
EXHAUST HOOD HANGING MATERIALS			X	X	
FAN STARTERS, CONTACTORS & RELAYS			X	X	
CONTROL WIRING			X	X	3, 4
FAN ON-OFF SWITCHES			X	X	1, 3, 4
LIGHT FIXTURES & BULBS/TUBES	X			X	
INTER-CONNECT LIGHTING CIRCUITS AT FIELD JOINTS			X	X	
CONNECT LIGHT FIXTURES TO BUILDING ELECTRICAL SERVICE			X	X	1, 3
AIR BALANCING				X	
PERMIT TO HANG HOODS (IF REQUIRED)			X		
CLOSURE PANELS TO FINISHED CEILING	X			X	
WATER-WASH EXHAUST HOOD (NON-WATER WASH HOOD ITEMS PLUS THE FOLLOWING)					
CONTROL PANEL	X			X	1
WATER PRESSURE REDUCING VALVE			X	X	3
HOT & COLD WATER SUPPLY TO CONTROL PANEL			X	X	1, 3
INTER-PIPING FROM CONTROL PANEL TO EXHAUST HOOD			X	X	1, 3
EXTEND INDIRECT WASTE DRAINS ON CONTROL PANEL & EXHAUST HOOD TO BUILDING INDIRECT WASTE DRAINS			X	X	1, 3
TEST & CALIBRATE WATER WASH SYSTEM		X			
DISHMACHINE CONDENSATE HOOD					
CONDENSATE HOOD	X			X	1
EXHAUST DUCT WORK			X	X	3
CONNECTIONS OF DUCT WORK TO COLLAR ON CONDENSATE HOOD			X	X	3
BUILDING STRUCTURAL SUPPORT			X	X	
EXHAUST HOOD HANGING MATERIALS			X	X	
FAN STARTERS, CONTACTORS & RELAYS			X	X	
CONTROL WIRING BETWEEN FAN & VENT FAN CONTROL ON DISHMACHINE			X	X	5, 6
FAN ON-OFF SWITCHES			X	X	1, 3, 4
AIR BALANCING				X	
PERMIT TO HANG HOODS (IF REQUIRED)			X		
CLOSURE PANELS TO FINISHED CEILING	X			X	
DISHMACHINE VENT DUCT					
VENT DUCT FROM DISHMACHINE TO 2" ABOVE FINISHED CEILING	X			X	
CONNECT VENT DUCT TO DISHMACHINE				X	
DUCT WORK ABOVE FINISHED CEILING			X	X	
FAN STARTERS, CONTACTORS & RELAYS			X	X	
CONTROL WIRING BETWEEN FAN & VENT FAN CONTROL ON DISHMACHINE			X	X	5, 6
FAN ON-OFF SWITCHES			X	X	1, 3, 4
AIR BALANCING				X	
ITEM	PROVIDE	INSTALL	PROVIDE	INSTALL	NOTES
	KEC		OTHER TRADES		

ITEM	KEC PROVIDE	KEC INSTALL	OTHER TRADES PROVIDE	OTHER TRADES INSTALL	NOTES
UTILITY DISTRIBUTION SYSTEM (UDS)					
UTILITY DISTRIBUTION SYSTEM & CONTROL PANEL	X	X			
CONNECT GAS SERVICE AT RISERS			X	X	1, 3
CONNECT POTABLE WATER SERVICE AT RISERS			X	X	1, 3
CONNECT ELECTRICAL SERVICE TO LOAD CENTER			X	X	1, 3
GAS SERVICE PRESSURE REGULATOR			X	X	2
GAS APPLIANCE PRESSURE REGULATOR	X			X	7, 8
FLEXIBLE GAS & WATER HOSES	X			X	
APPLIANCE RESTRAINTS	X	X			
WATER FILTERS/CONDITIONERS	X			X	
INTERWIRING FROM LOAD CENTER TO FANS, FAN STARTERS, LIGHT FIXTURES & FIRE SUPRESSION SYSTEM				X	
POTABLE WATER & GAS CONNECTIONS AT UDS FIELD JOINTS				X	9
ELECTRICAL CONNECTIONS AT UDS FIELD JOINTS				X	
FIRE SUPPRESSION SYSTEM					
CHEMICAL ONLY SYSTEM					
FIRE SUPPRESSION SYSTEM & COMPONENTS	X	X			
PERMIT, TESTING & CALIBRATION	X	X			
CHEMICAL PIPING FROM EXHAUST HOOD TO CHEMICAL TANK	X	X			
REMOTE PULL STATION	X	X			1
OCTAGON JUNCTION BOX FOR REMOTE PULL STATION			X	X	1
CONCEALED CONDUIT FROM PULL STATION TO 6" ABOVE FINISHED CEILING			X	X	
GAS SHUT-OFF VALVE	X			X	
RESET FOR ELECTRONIC GAS SHUT-OFF VALVE	X			X	
SHUNT-TRIP CIRCUIT BREAKERS			X	X	
CONTROL & INTER-FACE WIRING BETWEEN FIRE SUPRESSION SYSTEM CABINET, GAS SHUT-OFF VALVES, RESETS, BUILDING ALARM SYSTEMS, SHUNT-TRIP CIRCUIT BREAKERS AND FAN CONTROL SEQUENCING			X	X	1, 3
NO/NC CONTACTORS FOR FAN SEQUENCING AND/OR FIRE ALARM INTERFACE	X	X			3
WATER & CHEMICAL SYSTEM (CHEMICAL SYSTEM ONLY ITEMS PLUS THE FOLLOWING ITEMS)					
POTABLE OR SPRINKLER WATER SUPPLY TO FIRE SUPRESSION SYSTEM CABINET			X	X	1, 3
INTER-PIPING FROM FIRE SUPRESSION SYSTEM CABINET TO EXHAUST HOODS	X	X			
WATER PRESSURE REDUCING VALVE			X	X	3
LOCKABLE WATER SHUT-OFF VALVE FOR WATER SUPPLY TO FIRE SUPPRESSION SYSTEM CABINET			X	X	
"K" FIRE EXTINGUISHERS			X	X	
WALK-IN BOX					
WALL, CEILING & FLOOR PANELS	X	X			1, 3
INSTALLATION PERMIT (IF REQUIRED)	X				
INSULATED FLOOR SLAB AND/OR FLOOR SLAB DEPRESSION			X	X	1, 3
FINISHED FLOORING IF OTHER THAN THE WALK-IN BOX FLOOR PANEL			X	X	1, 3
LIGHT FIXTURES SHIPPED LOOSE	X			X	1
LIGHT BULBS/TUBES	X			X	
CONNECTIONS TO THE BUILDING ELECTRICAL SERVICE			X	X	
INTER-CONNECTIONS BETWEEN ELECTRICAL COMPONENTS			X	X	
PENETRATIONS THROUGH PANELS FOR ELECTRICAL & PLUMBING CONDUIT & PIPE	X				12, 13
CLOSURE PANELS TO FINISHED CEILING & WALL TRIM	X	X			
GROUT FILL BETWEEN WALL/FLOOR PANELS & SLAB DEPRESSION			X	X	
WIRING TO REMOTE TEMPERATURE ALARM MONITORING STATIONS			X	X	14
SEAL PENETRATIONS THROUGH PANELS FOR BUILDING FIRE SPRINKLER PIPING			X	X	
FINISHED FLOOR BASE			X	X	3, 22
REFRIGERATION SYSTEMS					
EVAPORATOR COILS, CONDENSING UNITS & REFRIGERATION RACK SYSTEMS	X	X			
REFRIGERATION LINE SETS BETWEEN EVAPORATOR COILS & CONDENSING UNITS	X	X			
INSTALLATION PERMIT (IF REQUIRED)	X				
SLEEVE, FIREPROOF, INSULATE & SEAL ALL FLOOR, WALL AND ROOF PENETRATIONS			X	X	
WIRING BETWEEN DEFROST TIMERS & EVAPORATOR COILS			X	X	
CONDENSATE DRAIN PIPING, HEATING ELEMENT & INSULATION	X	X			
CONNECTIONS TO THE BUILDING ELECTRICAL SERVICE			X	X	
ELECTRICAL DISCONNECT SWITCHES			X	X	15
ROOF CURBS, HOUSEKEEPING PADS & PITCH POCKETS			X	X	
WATER COOLED CONDENSING UNITS & REFRIGERATION RACK SYSTEMS (ABOVE REFRIGERATION SYSTEMS PLUS THE FOLLOWING ITEMS)					
CONNECT EQUIPMENT TO BUILDING COOLING WATER SYSTEM			X	X	1, 3
CONNECT EQUIPMENT TO BUILDING POTABLE WATER SYSTEM AS BACK-UP (IF REQUIRED)			X	X	
WATER PRESSURE REDUCING VALVES			X	X	3
WATER PRESSURE & TEMPERATURE GAUGES			X	X	
COOLING WATER STRAINERS			X	X	
SHUT-OFF VALVES REQUIRED TO ISOLATE INDIVIDUAL CONDENSING UNITS FOR SERVICE			X	X	
DISHMACHINE & WATER BOOSTER HEATER					
ALL ELECTRIC DISHMACHINE					
CONNECTIONS TO THE BUILDING ELECTRICAL & POTABLE WATER SERVICES			X	X	1
EXTEND INDIRECT WASTE DRAINS ON EQUIPMENT TO BUILDING INDIRECT WASTE DRAINS			X	X	1
INTER-CONNECTION PIPING BETWEEN WATER BOOSTER HEATER & DISHMACHINE			X	X	1
WATER PRESSURE REDUCING VALVES			X	X	
ELECTRICAL DISCONNECT SWITCHES			X	X	
VENT FAN CONTROL	X	X			
CONTROL WIRING BETWEEN FAN & VENT FAN CONTROL ON DISHMACHINE			X	X	5, 6
TABLE LIMIT SWITCH	X	X			
CONTROL WIRING BETWEEN TABLE LIMIT SWITCH & DISHMACHINE			X	X	
WATER PRESSURE & TEMPERATURE GAUGES			X	X	
140 DEGREE F WATER SUPPLY TO WATER BOOSTER HEATER			X	X	1
ITEM	PROVIDE	INSTALL	PROVIDE	INSTALL	NOTES
	KEC		OTHER TRADES		

ITEM	KEC PROVIDE	KEC INSTALL	OTHER TRADES PROVIDE	OTHER TRADES INSTALL	NOTES
GAS HEATED DISHMACHINE (ALL ELECTRIC DISHMACHINE ITEMS PLUS THE FOLLOWING)					
CONNECT GAS FIRED EQUIPMENT TO BUILDING GAS SERVICE			X	X	1
GAS APPLIANCE PRESSURE REGULATOR	X			X	
STEAM HEATED DISHMACHINE (ALL ELECTRIC DISHMACHINE ITEMS PLUS THE FOLLOWING)					
CONNECT STEAM HEATED EQUIPMENT TO BUILDING STEAM & CONDENSATE RETURN SYSTEM			X	X	1
STEAM TRAPS			X	X	
STEAM PRESSURE REGULATORS			X	X	
CONDENSATE PUMP (IF REQUIRED)			X	X	
WASTE DISPOSER & WASTE PULPER SYSTEMS					
WASTE DISPOSER & CLOSE-COUPLED WASTE PULPER SYSTEMS					
WASTE DISPOSER OR CLOSE-COUPLED WASTE PULPER EQUIPMENT & CONTROL PANEL	X	X			1, 16
CONNECTIONS TO THE BUILDING ELECTRICAL & POTABLE WATER SERVICES			X	X	1, 3
EXTEND INDIRECT WASTE DRAINS ON EQUIPMENT TO BUILDING INDIRECT WASTE DRAINS			X	X	1
CONNECT DIRECT WASTE DRAINS TO BUILDING SANITARY SEWER DRAINAGE SYSTEM			X	X	1
ELECTRICAL INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1
ELECTRICAL DISCONNECT SWITCHES			X	X	
WATER INLET FITTINGS FOR SOILED DISHTABLE SCRAPPING TROUGH	X			X	1, 16, 17, 18
POTABLE WATER INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1
ELECTRICAL INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1
ELECTRICAL DISCONNECT SWITCHES			X	X	
WATER INLET FITTINGS FOR SOILED DISHTABLE SCRAPPING TROUGH	X			X	1, 16, 17, 18
POTABLE WATER INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1
REMOTE EXTRACTOR WASTE PULPER SYSTEM (WASTE DISPOSER & CLOSE-COUPLED WASTE PULPER SYSTEMS ITEMS PLUS THE FOLLOWING)					
CONTROL WIRING BETWEEN CONTROL PANEL AND REMOTE START-STOP SWITCHES			X	X	1, 3, 19
TYPE L COPPER SLURRY LINES BETWEEN PULPER & EXTRATOR			X	X	1, 3
SYSTEM START-UP, TEST & BALACE	X				
SOILED TRAY CONVEYORS					
SOILED TRAY CONVEYORS, CONTROL PANEL & REMOTE START-STOP SWITCHES	X	X			1, 3
SOILED TRAY RETURN DROP-OFF SHELF & WINDOW CASEMENT FRAME	X	X			1, 3
SECURITY DOORS (IF REQUIRED)	X	X			1, 3, 20
SOUND INSULATED SOFFIT & LIGHT FIXTURES ABOVE SOILED TRAY DROP-OFF			X	X	3, 19
CONNECTIONS TO BUILDING ELECTRICAL & POTABLE WATER SERVICES			X	X	1, 3
ELECTRICAL INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1, 3, 19
EXTEND INDIRECT WASTE DRAINS ON EQUIPMENT TO BUILDING INDIRECT WASTE DRAINS			X	X	1, 3
POTABLE WATER INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1, 3
ELECTRICAL INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1, 3, 19
EXTEND INDIRECT WASTE DRAINS ON EQUIPMENT TO BUILDING INDIRECT WASTE DRAINS			X	X	1, 3
POTABLE WATER INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1, 3
HOSE REEL					
HOSE REEL CONTROL CABINET & VACUUM BREAKER	X			X	1
POTABLE WATER INTER-CONNECTIONS BETWEEN EQUIPMENT COMPONENTS			X	X	1
BUILDING STRUCTURAL SUPPORT			X	X	1
ICE MACHINE					
ICE MACHINE, ICE STORAGE BIN & WATER FILTER	X	X			1
CONNECTIONS TO BUILDING ELECTRICAL & POTABLE WATER SERVICES			X	X	1
POTABLE WATER INTER-CONNECTIONS BETWEEN EQUIPMENT			X	X	1
ELECTRICAL DISCONNECT SWITCHES			X	X	
SODA SYSTEM					
SODA SYSTEM EQUIPMENT (BAG-IN-BOX RACK, CARBONATORS & CO2 TANKS)			X	X	1, 21
ICE & SODA DISPENSERS			X	X	1, 21
BEVERAGE CONDUIT & PULL BOXES BETWEEN SODA SYSTEM & DISPENSING STATIONS			X	X	1
BEVERAGE TRUNKLINE BETWEEN SODA SYSTEM & DISPENSING STATIONS			X	X	1
CONNECTIONS TO BUILDING ELECTRICAL & POTABLE WATER SERVICES			X	X	1

NOTES KEY

1	SEE KEC CONSTRUCTION DRAWINGS FOR LOCATIONS
2	GAS PRESSURE AT EQUIPMENT ROUGH-IN POINTS NOT TO EXCEED 10" WC (NATURAL GAS) OR 14" WC (LP GAS)
3	SEE MANUFACTURER'S SHOP DRAWING FOR ADDITIONAL DETAILS
4	HVACC TO VERIFY IF FAN CONTROLS ARE PROVIDED BY KEC
5	STARTS EXHAUST FAN WHEN DISHMACHINE IS ACTIVATED.
6	CONTROL WIRING FROM RELAY ON DISHMACHINE TO EXHAUST FAN STARTERS BY EC.
7	SEE MANUFACTURER'S SHOP DRAWINGS FOR BTU LOADS & MINIMAX GAS PRESSURES
8	SOME APPLICANCES ARE INTERNALLY REGULATED. SEE MANUFACTURER'S SPEC SHEET FOR DETAILS
9	KEC WILL ALIGN & HAND TIGHTEN FOR FINAL CONNECTIONS BY OTHER TRADES
10	FOR ELECTRONIC GAS VALVE ONLY.
11	SEE MANUFACTURER'S SHOP DRAWING FOR FLOOR DETAILS.
12	EC TO RUN ALL ELECTRICAL CONDUIT ON EXTERIOR OF WALK-IN BOX
13	EC TO INSULATE ON INSIDE OF CONDUIT & RESEAL PENETRATIONS THROUGH PANELS
14	KEC TO PROVIDE/INSTALL ALARM & PROBE
15	COORDINATE DISCONNECT LOCATION WITH KEC.
16	SEE MANUFACTURER'S SPECIFICATION SHEET FOR DISPOSER CONTROL. CONTROL PROVIDED MAY INCLUDE DISCONNECT
17	PC TO PROVIDE/INSTALL (1) WATER FLOW CONTROL VALVE FOR EACH WATER INLET FITTING & (1) SHUT-OFF VALVE AT THE DISPOSER.
18	(1) WATER FLOW CONTROL VALVE REQUIRED AT EACH WATER INLET FITTING.
19	SEE MANUFACTURER'S SHOP DRAWINGS FOR WIRING DIAGRAM.
20	ARCHITECT TO DETERMINE IF A FIRE RATED DOOR IS REQUIRED.
21	VENDOR PROVIDED/INSTALLED.
22	FINISHED FLOOR BASE TO BE SAME MATERIAL AS ADJACENT FLOORING AND APPLIED TO ALL INTERIOR WALLS AND EXTERIOR WALLS WHERE EXPOSED.

ABBREVIATIONS KEY

EC	ELECTRICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
HVACC	HEATING, VENTILATION & AIR CONDITIONING CONTRACTOR
&	AND
NC	NORMALLY CLOSED
NO	NORMALLY OPEN

THIS SCHEDULE IS PROVIDED AS A GUIDELINE FOR USE IN IDENTIFYING GENERAL INSTALLATION REQUIREMENTS FOR FOODSERVICE EQUIPMENT AND IS NOT TO BE CONSIDERED A COMPREHENSIVE LISTING.

REFER TO ALL FOODSERVICE EQUIPMENT SUBMITTALS FOR DETAILED INFORMATION FOR INSTALLING AND/OR CONNECTING EQUIPMENT.

FOR REFERENCE ONLY

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/01/2025

INMAN LANCASTER foodservices group
"Solutions for the Food Service Industry"
13031 US Highway 19 N. Cleanwater, FL. 33764 phone: (727 796-5622 fax: (727) 799-1502

REVISION NUMBER	DESCRIPTION	DATE

RESPONSIBILITY MATRIX

HCA LEE'S SUMMIT MEDICAL CENTER
KITCHEN/SERVERY RENOVATION
LEE'S SUMMIT, MO

DATE:	12/05/2024
SCALE:	N.T.S.
DRAWN BY:	IFSG
DESIGNED BY:	IFSG
SHEET:	K-1.13