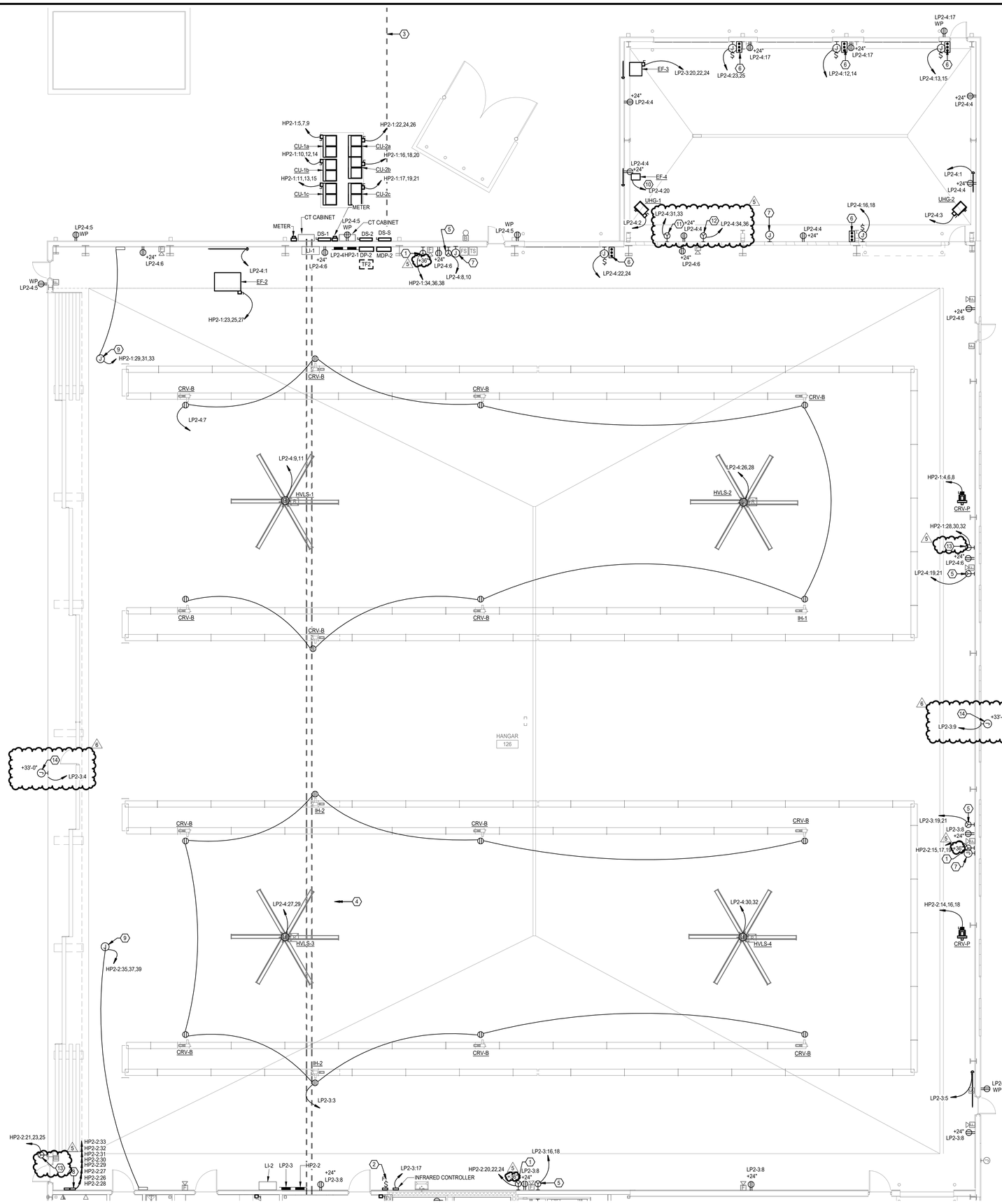

POWER HANGAR PLAN (1)
1/8" = 1'-0"

ELECTRICAL KEYNOTES

5

1. PROVIDE KILLARK RECEPTACLE VR1041E5 OR VR1044E5 FOR OWNER PROVIDED GROUND POWER UNIT GPU. REFER TO MANUFACTURER MANUAL FOR EXACT REQUIREMENTS. PROVIDE (3)-#2 AND (1)-#8 GROUND IN 1-1/4" CONDUIT.
2. ROUTE CIRCUIT FOR CEILING FANS THROUGH CONTROL KEYPAD.
3. SECONDARY FEEDER ROUTED BELOW GRADE FROM UTILITY TRANSFORMER. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
4. FEEDER ROUTED BELOW FROM SERVICE ENTRANCE. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
5. PROVIDE NEMA 6-30R RECEPTACLE FOR OWNER PROVIDED EQUIPMENT. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS. PROVIDE (2)-#10 AND (1)-#10 GROUND IN 0.75" CONDUIT. MOUNT RECEPTACLE AT 24" A.F.F.
6. PROVIDE START/STOP PUSH BUTTON FOR COILING OVERHEAD DOOR PER MANUFACTURER REQUIREMENT.
7. PROVIDE BACK BOX AND 1-1/4" CONDUIT ROUGH-IN FOR OWNER PROVIDED EQUIPMENT. ROUTE EMPTY CONDUIT WITH PULL STRINGS TO NEAREST 208V PANELBOARD.
8. PROVIDE CIRCUITS FOR SNOW MELT RELAY PANEL. REFER TO MANUFACTURER FOR ADDITIONAL INFORMATION.
9. PROVIDE (3)-#10 AND (1)-#10 GROUND IN 3/4" CONDUIT FOR HANGER DOOR MOTORS. PROVIDE ADDITIONAL POWER CONNECTIONS TO EACH MOTOR LOCATION PER MANUFACTURER'S REQUIREMENT. ROUTE LOW VOLTAGE CABLING TO CONTROLLER.
10. ROUTE 120V POWER TO HYDROGEN GAS DETECTOR FOR EXHAUST FAN CONTROL. REFER TO MECHANICAL PLANS AND MANUFACTURER DETAILS FOR ADDITIONAL INFORMATION.

5

11. PROVIDE KILLARK RECEPTACLE VR6411E3 OR VR6044E FOR OWNER PROVIDED TUG WELDER. REFER TO MANUFACTURER MANUAL FOR EXACT REQUIREMENTS. PROVIDE (3)-#6 AND (1)-#10 GROUND IN 1" CONDUIT. MOUNT AT 36" A.F.F.
12. PROVIDE KILLARK RECEPTACLE VR1041E5 OR VR1044E5 FOR OWNER PROVIDED TUG WELDER. REFER TO MANUFACTURER MANUAL FOR EXACT REQUIREMENTS. PROVIDE (3)-#2 AND (1)-#8 GROUND IN 1-1/4" CONDUIT. MOUNT AT 36" A.F.F.
13. PROVIDE KILLARK RECEPTACLE VR6411E3 OR VR6044 FOR OWNER PROVIDED GROUND POWER UNIT GPU. REFER TO MANUFACTURER MANUAL FOR EXACT REQUIREMENTS. PROVIDE (3)-#4 AND (1)-#8 GROUND IN 1-1/4" CONDUIT. MOUNT AT 36" A.F.F.
14. PROVIDE POWER ROUGH IN FOR SIGN LIGHTING.

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NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2010031265
PROFESSIONAL ENGINEER

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
6	11/8/24	PR-07
5	8/7/24	PR-06

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE
POWER HANGAR PLAN

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GENERAL SHEET NOTES

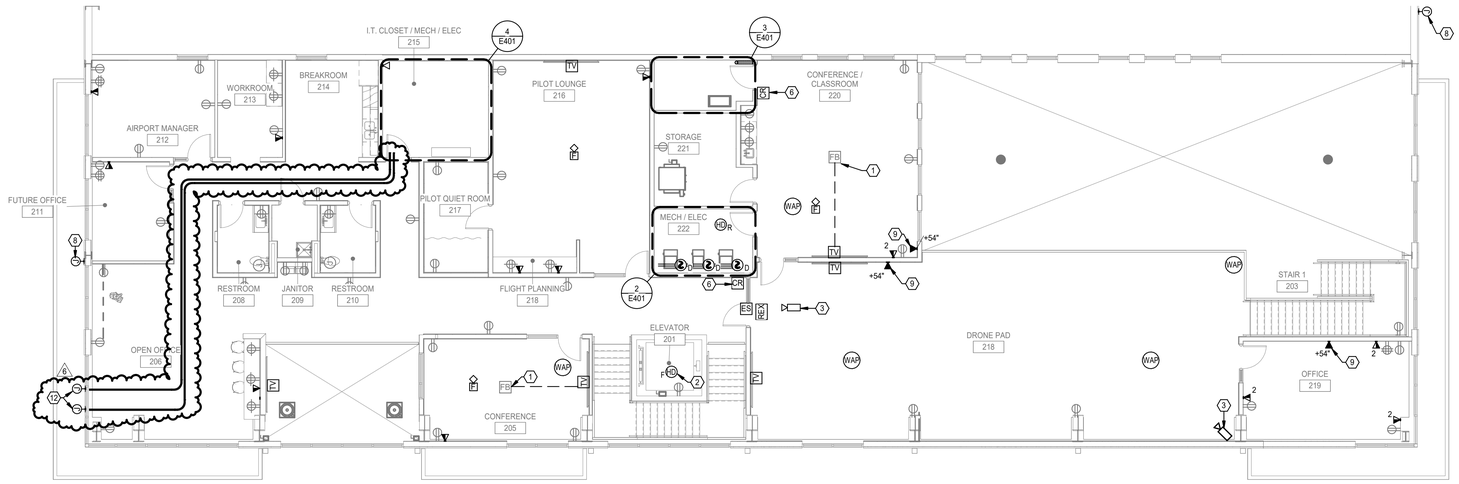
A. WHERE TELE/DATA OUTLET SYMBOL IS SHOWN PROVIDE BACK BOX AND CONDUIT ROUGH IN TO ABOVE ACCESSIBLE CEILING. REFER TO COMMUNICATION ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.

B. COORDINATE ALL TELECOMM/DATA DEVICE LOCATION AND MOUNTING HEIGHTS WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.

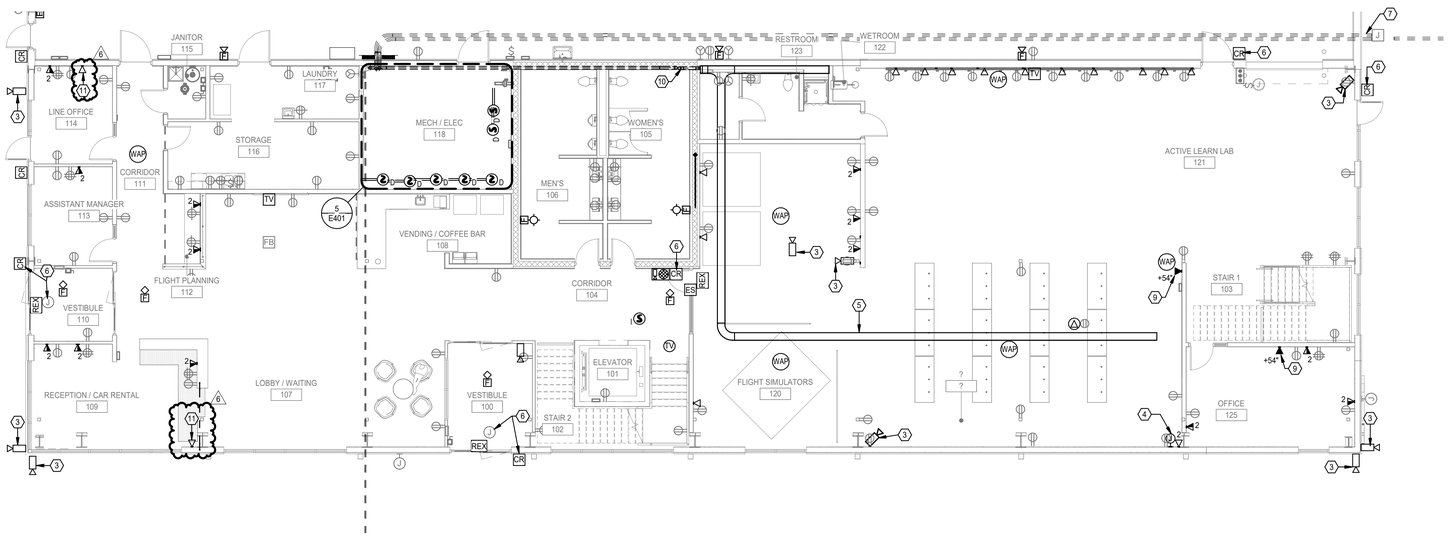
C. PROVIDE TRACER WIRE WITH PULL STRINGS.

⬡ ELECTRICAL KEYNOTES

1. PROVIDE 1-1/4" CONDUIT FROM FLOOR BOX/POKE-THRU TO TV OUTLET LOCATION FOR DATA AND AV CABLING.
2. HEAT DETECTOR IN ELEVATOR SHAFT WITHIN 2FT OF SPRINKLER HEAD. REFER TO ELEVATOR INTERLOCK WITH FIRE ALARM DETAIL FOR ADDITIONAL INFORMATION. COORDINATE LOCATION WITH SPRINKLER PROVIDER.
3. PROVIDE JUNCTION BOX AND 3/4" CONDUIT ROUGH IN FOR CAMERA. ROUTE CONDUIT BACK TO IT ROOM. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND SECURITY PROVIDER. IN AREAS WITH NO ABOVE CEILING ROUTE CONDUIT HIGH AND TIGHT TO STRUCTURE ABOVE.
4. PROVIDE BOX WITH 1-1/4" EMPTY CONDUIT WITH PULL STRINGS TO PROJECTOR OUTLET BOX.
5. 2"X12" WIRE MESH CABLE TRAY ABOVE ACCESSIBLE CEILING.
6. PROVIDE POWER ROUGH IN FOR CARD READER. REFER TO ACCESS CONTROL DETAIL FOR ADDITIONAL INFORMATION.
7. (2)-4" EMPTY CONDUITS ROUTED BELOW GRADE FROM TELECOM JUNCTION BOX AND STUBBED UP IN ELECTRICAL ROOM. CAP CONDUITS WITH PULL STRINGS. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH TELECOM SERVICE PROVIDER. PROVIDE TRACER WIRE WITH PULL STRINGS. ROUTE CONDUITS TO SERVICE PROVIDER DEMARC LOCATION. COORDINATE LOCATION WITH SERVICE PROVIDER.
8. MOUNT SINGLE BOX AT 15'-0" A.F.G. WITH 1" CONDUIT WITH CAT 6A ROUTED WITHIN STRUCTURE FOR OWNER SUPPLIED EXTERIOR WIFI BOOSTER. EQUAL TO CISCO CATALYST 9166 SERIES WITH BRACKET AND ARM. REFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS. PROVIDE BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION WITH ONWER AND ARCHITECT.
9. PROVIDE DOUBLE GANGE BACK BOX WITH 4" LUG SPACING MATCHING PHONE HARDWARE. REFER TO PHONE MANUFACTURER FOR EXACT MOUNTING REQUIREMENTS.
10. ROUTE (2)-4" EMPTY CONDUIT TO ABOVE CEILING ON FIRST FLOOR BELOW AND PROVIDE FIRE RATED PENETRATION THRU FIRE WALL. CONDUIT TO
11. ROUTE (1)-1" EMPTY CONDUIT WITH PULL STRINGS TO ROOF FOR COAX CABLING TO ANTENNA. PROVIDE COAX OUTLET WHERE SHOWN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER.
12. MOUNT SINGLE BOX AT +25'-0" A.F.G. WITH 1" CONDUIT ROUTED TO LOCATIONS SHOWN ON FIRST FLOOR FOR OWNER RELOCATED ANTENNA. PROVIDE BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE GROUNDING PER NEC.



SYSTEMS SECOND FLOOR PLAN (2)
1/8" = 1'-0"



SYSTEMS FIRST FLOOR PLAN (1)
1/8" = 1'-0"

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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2010031265
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
6	8/23/24	PR-07

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE
SYSTEMS FLOOR PLANS

E301
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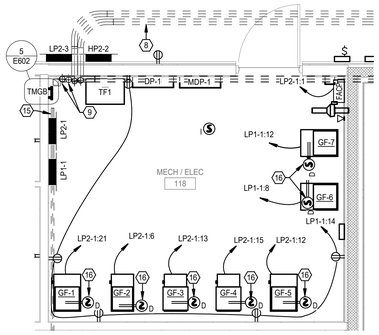
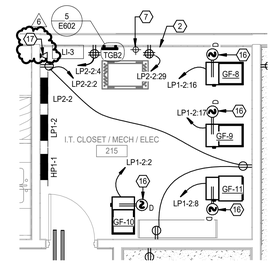


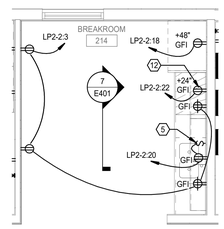
ENLARGED ELECTRICAL ROOM PLAN (5)

1/4" = 1'-0"



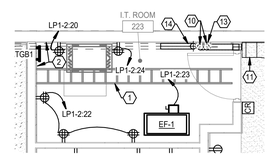
ENLARGED 2ND FLOOR PLAN (4)

1/4" = 1'-0"



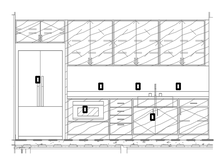
ENLARGED 2ND FLOOR BREAK ROOM (8)

1/4" = 1'-0"



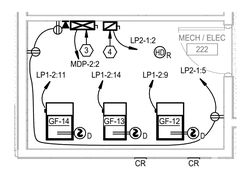
ENLARGED 2ND FLOOR IT ROOM (3)

1/4" = 1'-0"



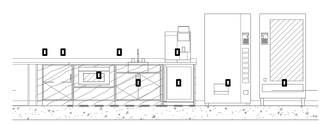
BREAK ROOM SECTION (7)

NOT TO SCALE



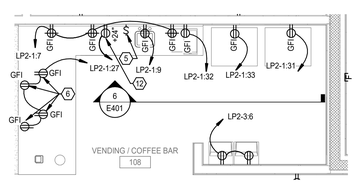
ENLARGED 2ND FLOOR MECH ROOM (2)

1/4" = 1'-0"



COFEE BAR SECTION (6)

NOT TO SCALE



ENLARGED 1ST FLOOR BREAK ROOM (1)

1/4" = 1'-0"

ELECTRICAL KEYNOTES

1. LADDER CABLE TRAY MOUNTED HIGH TO CEILING AND ON WALL.
2. 5/8" FIRE RATED PLYWOOD PAINTED TO MATCH WALL. PROVIDE 96" TALL TO FULL WIDTH OF WALL SHEET.
3. PROVIDE A FUSED, HEAVY DUTY, LOCKABLE DISCOUNT POWER MODULE EQUAL TO BUSSMANN# PS1-T48-R2-G-A WITH CLASS J FUSES, FIRE ALARM SYSTEM INTERFACE, GREEN PILOT LIGHT AND ALL NECESSARY INTERLOCKING CONTACTS. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR MANUFACTURER.
4. PROVIDE 20A, 120V, SINGLE POLE FUSED DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS. MOUNT AT +6'-0" A.F.F. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR MANUFACTURER. SWITCH SHALL BE CAPABLE OF BEING LOCKED "OFF".
5. ROUTE CIRCUIT FOR GARBAGE DISPOSAL OUTLET THROUGH TOGGLE SWITCH.
6. COORDINATE RECEPTACLE WITH CASEWORK.
7. 4" EMPTY CONDUIT STUBED UP AT 3" A.F.F. AND CAPPED WITH PULL STRINGS. ROUTED FROM FLOOR BELOW.
8. (2)-4" EMPTY CONDUITS STUBED UP AT 3" A.F.F. AND CAPPED WITH PULL STRINGS. ROUTED FROM EXTERIOR BUILDING AND TERMINATED IN GRADE JUNCTION BOX. COORDINATE EXACT LOCATION WITH TELECOMMUNICATION PROVIDER.
9. 4" EMPTY CONDUIT WITH PULL STRINGS ROUTED TO IT ROOM ON FLOOR ABOVE. PROVIDE FIRE RATED PENETRATION THRU FIRE WALL.
10. ROUTE (2)-4" EMPTY CONDUIT TO ABOVE CEILING ON FIRST FLOOR BELOW AND PROVIDE FIRE RATED PENETRATION THRU FIRE WALL. CONDUIT TO STUB OUT WALL TO CABLE TRAY ABOVE CEILING ON FIRST FLOOR.
11. WIRE MESH CABLE TRAY ABOVE CEILING ON FIRST FLOOR BELOW. REFER TO FIRST FLOOR SYSTEM PLAN FOR CONTINUATION.
12. COORDINATE MICROWAVE RECEPTACLE MOUNTING HEIGHT WITH CASEWORK.
13. VERTICAL LADDER TRAY FROM FLOOR TO 96".
14. 4" EMPTY CONDUIT WITH PULL STRINGS ROUTED FROM ELECTRICAL ROOM ON FIRST FLOOR. PROVIDE FIRE RATED PENETRATION THRU FIRE WALL.
15. 4" CONDUIT ROUTED BELOW GRADE FROM ELECTRICAL ROOM AND TERMINATED IN JUNCTION BOX FOR FUTURE TERMINAL BUILDING COMMUNICATION CABLING. PROVIDE EMPTY CONDUIT WITH PULL STRINGS.
16. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT.
17. ROUTE (1)-1" EMPTY CONDUIT WITH PULL STRINGS TO ROOF FOR COAX CABLING TO ANTENNA. PROVIDE COAX OUTLET WHERE SHOWN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER.

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NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
6	8/23/24	PR-07

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE

ENLARGED PLANS

E401

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8/21/2024 10:31:07 AM

PANEL HP2-2 **VOLTAGE** 480Y/277V Wye **MCB OR MLO** MLO **FED FROM** MDP-2
PHASE BUS RATING 225 A **AIC RATING** 30K
LOCATION HANGAR 126 **MOUNTING** SURFACE **NO. OF POLES** 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	PARKING LOT LIGHTING	20 A	1	1	320	468					2	1	20 A	EXTERIOR LIGHTING	
	LTG HANGER SOUTH	20 A	1	3			4940	0			4	1	20 A	SPARE	
	LTG RR 105/106	20 A	1	5					436	589	6	1	20 A	LTG MECH/STORAGE BK RM	
	PILOT LOUNGE LIGHTING	20 A	1	7	524	872					8	1	20 A	LTG 2nd FLR CORRIDOR/OFFICES	
	SPARE	20 A	1	9			0	0			10	1	20 A	SPARE	
	OPEN OFFICE/CONFERENCE - 205...	20 A	1	11					1791	757	12	1	20 A	LI-2	
	LTG OFFICES AND CORRIDOR	20 A	1	13	1034	943					14	3	20 A	VACUUM PUMP 2	
	GPU RECEPT	100 A	3	15			26050	943			16	--	--	--	--
--	--	--	--	17					26050	943	18	--	--	--	--
--	--	--	--	19	26050	26050					20	3	100 A	GPU RECEPT	5
	GPU RECEPT - EXTERIOR	60 A	3	21			13302	26050			22	--	--	--	--
--	--	--	--	23					13302	26050	24	--	--	--	--
--	--	--	--	25	13302	3650					26	1	20 A	DEICER	GFPE
GFPE	DEICER	20 A	1	27			3650	3650			28	1	20 A	DEICER	GFPE
GFPE	DEICER	20 A	1	29					3650	3650	30	1	20 A	DEICER	GFPE
GFPE	DEICER	20 A	1	31	3650	3650					32	1	20 A	DEICER	GFPE
GFPE	DEICER	20 A	1	33			3650	0			34	1	20 A	SPARE	
	HANGER DOOR	30 A	3	35					3878	0	36	1	20 A	SPARE	
--	--	--	--	37	3878	0					38	3	30 A	SPD	
--	--	--	--	39			3878	0			40	--	--	--	--
	SPARE	20 A	1	41					0	0	42	--	--	--	--
					KVA	85.73...	KVA	86.113	KVA	81.09...					
					AMPS	312	AMPS	313	AMPS	293					

Revision 5 (GPU RECEPT circuits 15–25 and 20–24)

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	3650 VA	100.00%	3650 VA
Lighting	12752 VA	125.00%	15940 VA
Motor	2829 VA	125.00%	3536 VA
Non Concurrent	11634 VA	100.00%	11634 VA
Other	25870 VA	100.00%	25870 VA
Receptacle	196206 VA	52.55%	103103 VA

CONNECTED LOAD: 252.9... 304
MAXIMUM DEMAND: 163.7... 197

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

Distribution: DP-2

MAINS TYPE: MCB
OCPD RATING: 350A
AIC RATING: 10K
SERVICE VOLTAGE: 208Y/120V 3PH, 3-Phase, 4-Wire
LOCATION: HANGAR 126
MOUNTING: SURFACE
FED FROM ID: TF2

NOTES:

LOAD DESCRIPTION	CKT NO.	P	A	B	C	NOTES
SPD	1	1	--			REFER TO ONE-LINE
LP2-1	2	3	10195.0	11435.0	9550.0	REFER TO ONE-LINE
LP2-2	3	3	6453.3	7273.3	5913.3	REFER TO ONE-LINE
LP2-3	4	3	6462.1	6818.3	6568.3	REFER TO ONE-LINE
LP2-4	5	3	14767.0	21944.0	14760.0	REFER TO ONE LINE
SPARE	6	1	0.0			REFER TO ONE-LINE
		Total Load:	37.9 kVA	47.5 kVA	36.8 kVA	
		Total Amps:	317.0 A	397.0 A	306.6 A	

Load Classification	Connected...	Demand...	Estimated...	Panel Totals	
Appliance - Dwelling Unit	44 VA	100.00%	44 VA		
HVAC	17014 VA	100.00%	17014 VA	Total Conn. Load:	122.1 kVA
HVAC_Heating	6000 VA	100.00%	6000 VA	Total Conn. Current:	339.0 A
Lighting	360 VA	125.00%	450 VA	Total Est. Demand:	83.64 kVA
Motor	1700 VA	122.06%	2075 VA	Total Est. Demand...	232.2 A
Other	7390 VA	100.00%	7390 VA	Future Load Growth:	
Power	1712 VA	100.00%	1712 VA	Min. Panel Rating...	
Receptacle	87920 VA	55.69%	48960 VA	Adjusted Demand...	
				Total Adjusted Deman...	

Distribution: MDP-2

MAINS TYPE: MLO
OCPD RATING: 600A
AIC RATING: 42K
SERVICE VOLTAGE: 480Y/277V Wye, 3-Phase, 4-Wire
LOCATION: HANGER 126
MOUNTING: SURFACE
FED FROM ID:

NOTES:

LOAD DESCRIPTION	CKT NO.	P	A	B	C	NOTES
SPD	1	1	--			REFER TO ONE-LINE
ELEVATOR	2	3	5321.0	5321.0	5321.0	REFER TO ONE-LINE
HP2-1	3	3	80690.7	83026.7	78846.7	REFER TO ONE-LINE
HP2-2	4	3	86113.0	81096.5	85731.5	REFER TO ONE LINE
DP2 VIA TF2	5	3	37877.4	47470.7	36791.7	REFER TO ONE-LINE
SPARE	6	1	0.0			REFER TO ONE-LINE
		Total Load:	210.0...	216.9...	206.7...	
		Total Amps:	760.0 A	784.9 A	746.2 A	

Load Classification	Connected...	Demand...	Estimated...	Panel Totals	
Appliance - Dwelling Unit	44 VA	100.00%	44 VA		
HVAC	22164 VA	100.00%	22164 VA	Total Conn. Load:	633.6 kVA
HVAC_Cooling	68505 VA	100.00%	68505 VA	Total Conn. Current:	762.1 A
HVAC_Heating	6000 VA	100.00%	6000 VA	Total Est. Demand:	446.61 kVA
Lighting	19136 VA	125.00%	23920 VA	Total Est. Demand...	537.2 A
Motor	57337 VA	107.51%	61644 VA	Future Load Growth:	
Non Concurrent	23268 VA	100.00%	23268 VA	Min. Panel Rating...	
Other	33260 VA	100.00%	33260 VA	Adjusted Demand...	
Power	1712 VA	100.00%	1712 VA	Total Adjusted Deman...	
Receptacle	402182 VA	51.24%	206091 VA		

PANEL LP2-1 **VOLTAGE** 208Y/120V 3PH **MCB OR MLO** MLO **FED FROM** DP-2
PHASE BUS RATING 225 A **AIC RATING** 10K
LOCATION MECH / ELEC 118 **MOUNTING** SURFACE **NO. OF POLES** 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
HLO	FIRE ALARM CONTROL PANEL	20 A	1	1	0	200					2	1	20 A	ELEVATOR CAB LIGHTING	
	EXTERIOR SIGN LIGHTING	20 A	1	3			360	720			4	1	20 A	RECEPT: JANOTOR/STORAGE- 115/116	
	RECEPT: MECH/ELEC - 222	20 A	1	5					540	850	6	1	15 A	GF-2	
	RECEPT: VENDING ROOM - 108	20 A	1	7	540	1000					8	1	20 A	RECEPT DISHWASHER	
	RECEPT DISPOSAL	20 A	1	9			1000	1080			10	1	20 A	RECEPT: RM - 114	
	RECEPT: LOBBY/VESTUBULE - 100	20 A	1	11					1080	1500	12	1	20 A	GF-5	
	GF-3	15 A	1	13	1115	1260					14	1	20 A	RECEPT: CORRIDOR/LOBBY	
	GF-4	15 A	1	15			1115	1080			16	1	20 A	RECEPT: RESTROOM - 105/106	
	UHE-2	20 A	2	17					1500	180	18	1	20 A	RECEPT M ICROWAVE	
--	--	--	--	19	1500	1500					20	2	20 A	UHE-1	
	GF-1	20 A	1	21			1500	1500			22	--	--	--	--
	RECEPT: RM - 113	20 A	1	23					900	1000	24	1	20 A	TV LOBBY/WAITING	
	LOBBY FLOOR BOX	20 A	1	25	180	900					26	1	20 A	RECEPT: BREAKROOM -116	
	RECEPT - CASEWORK	20 A	1	27			180	900			28	1	20 A	RECEPT: RECECPTION - 109	
	RECEPT: RECECPTION PRINTER	20 A	1	29					1000	1000	30	1	20 A	RECEPT-REFRIGERATOR	
	RECEPT: VENDING MACHINE 1 - 108	20 A	1	31	1000	1000					32	1	20 A	RECEPT: MIN REFRIGERATOR-	
	RECEPT: VENDING MACHINE 2 - 108	20 A	1	33			1000	1000			34	1	20 A	RECEPT DISPOSAL	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPARE	20 A	1	37	0	0					38	3	30 A	SPD	
	SPARE	20 A	1	39			0	0			40	--	--	--	--
	SPARE	20 A	1	41					0	0	42	--	--	--	--
					KVA	10.195	KVA	11.435	KVA	9.55					
					AMPS	86	AMPS	96	AMPS	80					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	4580 VA	100.00%	4580 VA
HVAC_Heating	6000 VA	100.00%	6000 VA
Lighting	360 VA	125.00%	450 VA
Motor	1500 VA	125.00%	1875 VA
Other	180 VA	100.00%	180 VA
Power	200 VA	100.00%	200 VA
Receptacle	18360 VA	77.23%	14180 VA

CONNECTED LOAD: 31.18 87
MAXIMUM DEMAND: 27.465 76

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

PANEL HP2-1 **VOLTAGE** 480Y/277V Wye **MCB OR MLO** MLO **FED FROM** MDP-2
PHASE BUS RATING 225 A **AIC RATING** 30K
LOCATION HANGAR 126 **MOUNTING** SURFACE **NO. OF POLES** 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	EXTERIOR LIGHTING	20 A	1	1	152	1692					2	1	20 A	LI-1	
	LTG HANGER NORTH	20 A	1	3			4180	943			4	3	20 A	VACUUM PUMP 1	
	CU-1a	25 A	3	5					4567	943	6	--	--	--	--
--	--	--	--	7	4567	943					8	--	--	--	--
--	--	--	--	9			4567	4567			10	3	25 A	CU-1b	
	CU-1c	25 A	3	11					4567	4567	12	--	--	--	--
--	--	--	--	13	4567	4567					14	--	--	--	--
--	--	--	--	15			4567	4567			16	3	25 A	CU-2b	
	CU-2c	25 A	3	17					4567	4567	18	--	--	--	--
--	--	--	--	19	4567	4567					20	--	--	--	--
--	--	--	--	21			4567	5742			22	3	35 A	CU-2a	
	EF-2	30 A	3	23					6097	5742	24	--	--	--	--
--	--	--	--	25	6097	5742					26	--	--	--	--
--	--	--	--	27			6097	13302			28	3	60 A	GPU RECEPT	5
	HANGER DOOR	30 A	3	29					3878	13302	30	--	--	--	--
--	--	--	--	31	3878	13302					32	--	--	--	--
--	--	--	--	33			3878	26050			34	3	100 A	GPU RECEPT	
	SPARE	20 A	1	35					0	26050	36	--	--	--	--
	SPD	30 A	3	37	0	26050					38	--	--	--	--
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	80.69...	KVA	83.02...	KVA	78.84...					
					AMPS	292	AMPS	301	AMPS	285					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC_Cooling	68505 VA	100.00%	68505 VA
Lighting	6024 VA	125.00%	7530 VA
Motor	38345 VA	111.23%	42652 VA
Non Concurrent	11634 VA	100.00%	11634 VA
Other	0 VA	0.00%	0 VA
Receptacle	118056 VA	54.24%	64028 VA

CONNECTED LOAD: 242.564 292
MAXIMUM DEMAND: 194.3... 234

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

PANEL LP2-2 **VOLTAGE** 208Y/120V 3PH **MCB OR MLO** MLO **FED FROM** DP-2
PHASE BUS RATING 225 A **AIC RATING** 10K
LOCATION I.T. CLOSET / MECH / ELEC... **MOUNTING** SURFACE **NO. OF POLES** 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
GFCI	RECEPT: 2nd FLR DRINK FOUNTAIN	20 A	1	1	360	540					2	1	20 A	RECEPT IT/MECH/ELEC - 215	
	RECEPT: BRK RM - 214	20 A	1	3			720	360			4	1	0 A	RECEPT - IT QUAD	
	RECEPT: PILOT LOUNGE - 216	20 A	1	5					900	1000	6	1	20 A	RECEPT: WORKROOM PRINTER	
	DF-1	20 A	2	7	0	0					8	2	20 A	DF-2	
--	--	--	--	9			0	0			10	--	--	--	--
	RECEPT: RESTROOM - 208/210	20 A	1	11					360	540	12	1	20 A	RECEPT: RM 211	
	RECEPT: ELEVATOR PIT	20 A	1	13	360	540					14	1	20 A	RECEPT: WORKROOM - 213	
	RECEPT: PILOT QUIET RM - 217	20 A	1	15			360	900			16	1	20 A	RECEPT: CONFERENCE - 205	
	TV STAIR 2 - 202	20 A	1	17					1000	1000	18	1	20 A	RECEPT: REFRIGERATOR BRK RM -...	
	TV CONFERENCE - 205	20 A	1	19	1000	1000					20	1	20 A	RECEPT: DISPOSAL BRK RM - 214	
	TV OPEN OFFICE	20 A	1	21			1000	1000			22	1	20 A	RECEPT: MICROWAVE BRK RM - 214	
	RECEPT: RM 212	20 A	1	23					1080	1033	24	3	15 A	ERV-1	
	RECEPT: CORRIDOR - 207	20 A	1	25	1080	1033					26	--	--	--	--
	RECEPT: OBSERVATION DECK - 206	20 A	1	27			1080	1033			28	--	--	--	--
	RECEPT - IT QUAD	20 A	1	29					360	0	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0	0					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0	0			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPD	30 A	3	37	0	0					38	1	20 A	SPARE	
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	5.913...	KVA	6.453...	KVA	7.273...					
					AMPS	49	AMPS	54	AMPS	61					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	3100 VA	100.00%	3100 VA
Motor	0 VA	0.00%	0 VA
Other	1360 VA	100.00%	1360 VA
Power	0 VA	0.00%	0 VA
Receptacle	15180 VA	82.94%	12590 VA

CONNECTED LOAD: 19.64 55
MAXIMUM DEMAND: 17.05 47

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

PANEL LP2-3 **VOLTAGE** 208Y/120V 3PH **MCB OR MLO** MLO **FED FROM** DP-2
PHASE BUS RATING 225 A **AIC RATING** 10K
LOCATION HANGAR 126 **MOUNTING** SURFACE **NO. OF POLES** 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	RP-1	20 A	1	1	44	90					2	1	20 A	DEF-1	
	RECEPT: INFRARED HEATERS	20 A	1	3			1440	200			4	1	20 A	WEST HANGER SIGN LTG	6
	DAMPER	20 A	1	5					50	360	6	1	20 A	RECEPT- WATER FOUNTAIN - 108	GFCI
	CWH-1	20 A	1	7	180	1080					8	1	20 A	HANGER RECEPT	
6	EAST HANGER SIGN LTG	20 A	1	9			200	0			10	1	20 A	SPARE	
	RECEPT: WASHER - 116	20 A	1	11					1000	90	12	2	20 A	SLIDING GATE 2	
	SLIDING GATE 1	20 A	2	13	90	90					14	--	--	--	--
--	--	--	--	15			90	2000			16	2	30 A	HANGER RECEPT	
	HVAC	0 A	1	17					180	2000	18	--	--	--	--
	HANGER RECEPT	30 A	2	19	2000	888					20	3	20 A	EF-3	
--	--	--	--	21			2000	888			22	--	--	--	--
	RECEPT DRYER	20 A	2	23					2000	888	24	--	--	--	--
--	--	--	--	25	2000	0					26	1	20 A	SPARE	
	SPARE	20 A	1	27			0	0			28	1	20 A	SPARE	
	SPARE	20 A	1	29					0	0	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0	0					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0	0			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPD	30 A	3	37	0	0					38	1	20 A	SPARE	
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	6.462...	KVA	6.818...	KVA	6.568...					
					AMPS	54	AMPS	57	AMPS	55					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
Appliance - Dwelling...	44 VA	100.00%	44 VA
HVAC	180 VA	100.00%	180 VA
Motor	1383 VA	124.10%	1716 VA
Other	850 VA	100.00%	850 VA
Power	1512 VA	100.00%	1512 VA
Receptacle	15880 VA	81.49%	12940 VA

CONNECTED LOAD: 19.84... 55
MAXIMUM DEMAND: 17.24... 48

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2019031265
PROFESSIONAL ENGINEER
2/18/25
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
6	11/8/24	PR-07
5	8/7/24	PR-06

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE
ELECTRICAL SCHEDULES

11/20/2024 8:38:32 AM

Distribution: DP-1

MAINS TYPE: MCB
OCPD RATING: 350A
AIC RATING: 10K
SERVICE VOLTAGE: 208Y/120V 3PH, 3-Phase, 4-Wire
LOCATION: MECH / ELEC 118
MOUNTING: SURFACE
FED FROM ID: TF1

NOTES:

LOAD DESCRIPTION	CKT NO.	P	A	B	C	NOTES
SPD	1	1	--			REFER TO ONE-LINE
LP1-1	2	3	8529.7	6920.0	8300.0	REFER TO ONE-LINE
LP1-2	3	3	5442.5	5785.0	6936.5	REFER TO ONE-LINE
SPARE	4	1	0.0			REFER TO ONE-LINE
	5					
	6					
Total Load:			14.0 kVA	12.7 kVA	15.2 kVA	
Total Amps:			118.1 A	105.9 A	128.6 A	

Load Classification	Connected...	Demand...	Estimated...	Panel Totals	
HVAC	9587 VA	100.00%	9587 VA		
Motor	2850 VA	113.16%	3225 VA	**Total Conn. Load:**	41.9 kVA
Other	450 VA	100.00%	450 VA	**Total Conn. Current:**	116.3 A
Power	1127 VA	100.00%	1127 VA	**Total Est. Demand:**	33.34 kVA
Receptacle	27900 VA	67.92%	18950 VA	**Total Est. Demand...**	92.5 A
				Future Load Growth:	
				Min. Panel Rating...	
				Adjusted Demand...	
				Total Adjusted Deman...	

Distribution: MDP-1

MAINS TYPE: MLO
OCPD RATING: 400A
AIC RATING: 42K
SERVICE VOLTAGE: 480Y/277V Wye, 3-Phase, 4-Wire
LOCATION: HANGAR 126
MOUNTING:
FED FROM ID:

NOTES:

LOAD DESCRIPTION	CKT NO.	P	A	B	C	NOTES
SPD	1	1	--			REFER TO ONE-LINE
HP1-1	2	3	2650.0	741.0	0.0	REFER TO ONE-LINE
DP1 VIA TF-1	3	3	13972.2	12705.0	15236.5	REFER TO ONE-LINE
SPARE	4	1	0.0			REFER TO ONE-LINE
	5					
	6					
Total Load:			16.6 kVA	13.4 kVA	15.2 kVA	
Total Amps:			61.0 A	48.5 A	56.0 A	

Load Classification	Connected...	Demand...	Estimated...	Panel Totals	
HVAC	9587 VA	100.00%	9587 VA		
Lighting	3391 VA	125.00%	4239 VA	**Total Conn. Load:**	45.3 kVA
Motor	2850 VA	113.16%	3225 VA	**Total Conn. Current:**	54.5 A
Other	450 VA	100.00%	450 VA	**Total Est. Demand:**	37.58 kVA
Power	1127 VA	100.00%	1127 VA	**Total Est. Demand...**	45.2 A
Receptacle	27900 VA	67.92%	18950 VA	**Future Load Growth:**	
				Min. Panel Rating...	
				Adjusted Demand...	
				Total Adjusted Deman...	

PANEL LP1-1
VOLTAGE 208Y/120V 3PH
MCB OR MLO MLO
FED FROM DP-1
PHASE BUS RATING 225 A
AIC RATING 10K
LOCATION MECH / ELEC 118
MOUNTING SURFACE
NO. OF POLES 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	DEF-2	20 A	1	1	90	360					2	1	20 A	RECEPT: RM - 120	
	RECEPT: FLIGHT SIMULATOR	20 A	1	3			180	360			4	1	20 A	RECEPT: STORAGE - 119/ RESTROO...	
	RECEPT: PROJECTOR - 124	20 A	1	5					180	720	6	1	20 A	RECEPT: RM - 124	
	RECEPT - WASHER - 119	20 A	1	7	1000	1500					8	1	20 A	GF-6	
	RECEPT: STAIR 1 - 103	20 A	1	9			1080	1720			10	1	20 A	RECEPT: RM - 121	
	RECEPT: COPIER -120	20 A	1	11					1000	1500	12	1	20 A	GF-7	
	COILING DOOR -121	20 A	2	13	500	900					14	1	20 A	RECEPT MECH/ELEC 118	
--	--	--	--	15			500	900			16	1	20 A	RECEPT: RM - 125	
	RECEPT DRYER	20 A	2	17					2000	900	18	1	20 A	RECEPT: RM - 121	
--	--	--	--	19	2000	1000					20	1	20 A	RECEPT: REELS 4	
	RECEPT: REELS 5	20 A	1	21			1000	1000			22	1	20 A	RECEPT: REELS 2	
	TV LEARN LAB	20 A	1	23					1000	1000	24	1	20 A	RECEPT: REELS 3	
	RECEPT: REELS 1	20 A	1	25	1000	180					26	1	20 A	DF CONTROLLER	
	DF CONTROLLER	20 A	1	27			180	0			28	1	20 A	SPARE	
	SPARE	20 A	1	29					0	0	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0	0					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0	0			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPD	30 A	3	37	0	0					38	1	20 A	SPARE	
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	8.529...	**KVA**	6.92	**KVA**	8.3					
					AMPS	73	**AMPS**	58	**AMPS**	71					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	1860 VA	100.00%	1860 VA
Motor	2500 VA	115.00%	2875 VA
Other	90 VA	100.00%	90 VA
Receptacle	19300 VA	75.91%	14650 VA

CONNECTED LOAD: 23.74... 66
MAXIMUM DEMAND: 19.47... 54

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

PANEL HP1-1
VOLTAGE 480Y/277V Wye
MCB OR MLO MLO
FED FROM MDP-1
PHASE BUS RATING 225 A
AIC RATING 30K
LOCATION I.T. CLOSET / MECH / ELEC...
MOUNTING SURFACE
NO. OF POLES 24

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	LTG:- FLITE SIMULATORS	20 A	1	1	1340	228					2	1	20 A	LTG: LEARN LAB	
	LTG: CONF - 220 / IT/MECH/ELEC	20 A	1	3			741	0			4	1	20 A	SPARE	
	SPARE	20 A	1	5					0	0	6	1	20 A	LI-3	
	SPARE	20 A	1	7	0	0					8	1	20 A	SPARE	
	SPARE	20 A	1	9			0	0			10	1	20 A	SPARE	
	SPARE	20 A	1	11					0	0	12	1	20 A	SPARE	
	SPARE	20 A	1	13	0	0					14	1	20 A	SPARE	
	SPARE	20 A	1	15			0	0			16	1	20 A	SPARE	
	SPARE	20 A	1	17					0	0	18	1	20 A	SPARE	
	SPD	30 A	3	19	0	0					20	1	20 A	SPARE	
--	--	--	--	21			0	0			22	1	20 A	SPARE	
--	--	--	--	23					0	0	24	1	20 A	SPARE	
					KVA	2.65	**KVA**	0.741	**KVA**	0					
					AMPS	10	**AMPS**	3	**AMPS**	0					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
Lighting	3391 VA	125.00%	4239 VA
Other	0 VA	0.00%	0 VA

CONNECTED LOAD: 3.391 4
MAXIMUM DEMAND: 4.23875 5

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

PANEL LP2-4
VOLTAGE 208Y/120V 3PH
MCB OR MLO MLO
FED FROM DP-2
PHASE BUS RATING 225 A
AIC RATING 10K
LOCATION HANGAR 126
MOUNTING SURFACE
NO. OF POLES 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	DAMPER	20 A	1	1	150	444					2	1	20 A	UHG-1	
	UHG-2	20 A	1	3			444	1080			4	1	20 A	STORAGE - 127 RECEPT	
	EXTERIOR RECEPT	20 A	1	5					720	1080	6	1	20 A	HANGER RECEPTS	
	RECEPT: INFRARED HEATERS	20 A	1	7	1440	2000					8	2	30 A	HANGER 208V OUTLET	
	HVLS-1	20 A	2	9			700	2000			10	--	--	--	--
--	--	--	--	11					700	500	12	2	20 A	O.H. HANGER DOOR	
	O.H. DOOR HANGER - 127	20 A	2	13	500	500					14	--	--	--	--
--	--	--	--	15			500	500			16	2	20 A	O.H. DOOR HANGER - 127	
	RECEPT - GSE	20 A	1	17					540	500	18	--	--	--	--
	HANGER 208V RECEPT	30 A	2	19	2000	1333					20	1	20 A	EF-4	
--	--	--	--	21			2000	500			22	2	20 A	O.H DOOR HANGER	
	O.H. DOOR HANGER - 127	20 A	2	23					500	500	24	--	--	--	--
--	--	--	--	25	500	700					26	2	20 A	HVLS-2	
	HVLS-3	20 A	2	27			700	700			28	--	--	--	--
				29					700	700	30	2	20 A	HVLS-4	
6	RECEPT -TUG GSE	60 A	2	31	4500	700					32	--	--	--	--
--	--	--	--	33			4500	8320			34	2	100 A	RECEPT -TUG GSE	6
	SPARE	20 A	1	35					0	8320	36	--	--	--	--
	SPD	30 A	3	37	0	0					38	1	20 A	SPARE	
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	14.767	**KVA**	21.944	**KVA**	14.76					
					AMPS	123	**AMPS**	183	**AMPS**	123					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	6488 VA	100.00%	6488 VA
Motor	1483 VA	122.47%	1816 VA
Other	5000 VA	100.00%	5000 VA
Receptacle	38500 VA	62.99%	24250 VA

CONNECTED LOAD: 51.471 143
MAXIMUM DEMAND: 37.55... 104

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

PANEL LP1-2
VOLTAGE 208Y/120V 3PH
MCB OR MLO MLO
FED FROM DP-1
PHASE BUS RATING 225 A
AIC RATING 10K
LOCATION I.T. CLOSET / MECH / ELEC...
MOUNTING SURFACE
NO. OF POLES 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	RECEPT: 2nd FLOOR STAIR 1 - 203	20 A	1	1	180	850					2	1	15 A	GF-10	
	RECEPT: CONFERENCE - 220A	20 A	1	3			540	1000			4	1	20 A	RECEPT: 2nd REELS 2	
	RECEPT: CONFERENCE - 220	20 A	1	5					900	900	6	1	20 A	RECEPT: RM 219	
	RECEPT: 2nd REELS 1	20 A	1	7	1000	1115					8	1	15 A	GF-11	
	GF-12	20 A	1	9			1500	88			10	2	20 A	DF-4	
	GF-14	20 A	1	11					1500	88	12	--	--	--	--
	DF-3	20 A	2	13	88	850					14	1	15 A	GF-13	
--	--	--	--	15			88	850			16	1	15 A	GF-8	
	GF-9	15 A	1	17					850	1000	18	1	20 A	TV DRONE PAD - 218	
	TV CONFERENCE - 220	20 A	1	19	1000	360					20	1	20 A	RECEPT - IT QUAD	
	TV DRONE PAD - 218	20 A	1	21			1000	720			22	1	20 A	RECEPT: 2nd IT ROOM	
	EF-1	20 A	1	23					1339	360	24	1	20 A	RECEPT - IT QUAD	
	SPARE	20 A	1	25	0	0					26	1	20 A	SPARE	
	SPARE	20 A	1	27			0	0			28	1	20 A	SPARE	
	SPARE	20 A	1	29					0	0	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0	0					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0	0			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPARE	20 A	1	37	0	0					38	3	30 A	SPD	
	SPARE	20 A	1	39			0	0			40	--	--	--	--
	SPARE	20 A	1	41					0	0	42	--	--	--	--
					KVA	5.4425	**KVA**	5.785	**KVA**	6.9365					
					AMPS	45	**AMPS**	49	**AMPS**	58					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	6227 VA	100.00%	6227 VA
Motor	1850 VA	120.27%	2225 VA
Other	360 VA	100.00%	360 VA
Power	1127 VA	100.00%	1127 VA
Receptacle	8600 VA	100.00%	8600 VA

CONNECTED LOAD: 18.164 50
MAXIMUM DEMAND: 18.539 51

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN POSITION

CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2010031265
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
6	8/23/24	PR-07

PROJECT NO: 022-04268
CAD DWG FILE: Lee's Summit - Hangar 2.rvt
DESIGNED BY: SH
DRAWN BY: OH
CHECKED BY: AF
APPROVED BY: TWD
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SHEET TITLE
ELECTRICAL SCHEDULES

E703
SHEET OF

8/21/2024 10:31:08 AM