Branch Panel: L1

Location: CONTROL RM SECURED 101
Supply From: TL1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208V
Phases: 3
Wires: 4

A.I.C. Rating: 10K
Mains Type: MCB
Mains Rating: 150 A
MCB Rating: 150 A

NOTES:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EF-1	20 A	1	40 VA	1163 VA					1	20 A	LTG - INTERIOR	2
3	LTG - EXTERIOR	20 A	1			112 VA	540 VA			1	20 A	REC - RM 101	4
5	REC - CONTROL...	20 A	1					360 VA	540 VA	1	20 A	REC - RM 101	6
7	REC - CONTROL...	20 A	1	360 VA	360 VA					1	20 A	REC - DED. RM 101	8
9	REC - CONTROL...	20 A	1			360 VA	540 VA			1	20 A	REC - RM 100	10
11	REC - CONTROL...	20 A	1					360 VA	360 VA	1	20 A	REC - DED. RM 100	12
13	REC - COUNTER RM...	20 A	1	360 VA	4323 VA					3	45 A	AHU-1	14
15	REC - EXTERIOR	20 A	1			180 VA	4323 VA			--	--	--	16
17	BFP WATTS BOX	20 A	1					6 VA	4323 VA	--	--	--	18
19	EWH-1	40 A	2	3000 VA	0 VA					1	20 A	Spare	20
21	--	--	--			3000 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					3	60 A	SPD	38
39	Spare	20 A	1			0 VA	0 VA			--	--	--	40
41	Spare	20 A	1					0 VA	0 VA	--	--	--	42
			Total Load:	9606 VA		9055 VA		5949 VA					
			Total Amps:	84 A		79 A		50 A					

Legend:
PROVIDE CIRCUIT #17 AS GFEP 30mA TYPE CIRCUIT BREAKER.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	19015 VA	100.00%	19015 VA		
Lighting	516 VA	100.00%	516 VA	**Total Conn. Load:**	24610 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	24610 VA
LTG	40 VA	100.00%	40 VA	**Total Conn. Current:**	68 A
REC	5040 VA	100.00%	5040 VA	**Total Est. Demand Current:**	68 A

EQUIPMENT CONNECTIONS - CCH

ID	EQUIPMENT	VOLT	POLES	LOAD	FLA	MCA	OCPD RATING	D/S RATING	PANEL	CIRCUIT	WIRE/CONDUIT
AHU-1	HVAC	208 V	3	12969 VA	36.0 A	45.0 A	45 A	60A/3P/NF	L1	14,16,18	3-#6, 1-#10 GROUND IN 1" CONDUIT
BFP-1	HEAT TRACE	120 V	1	6 VA	1.0 A	1.0 A	20 A	J-BOX	L1	17	
EF-1	EXHAUST FAN	120 V	1	40 VA	0.3 A	0.4 A	20 A	BY MFR	L1	1	
EWH-1	WATER HEATER	208 V	2	6000 VA	28.0 A	35.0 A	40 A	MOTOR RATED	L1	19,21	2-#8,1-#8 GROUND IN 3/4" CONDUIT

NO.	DATE	REVISION	BY	APV'D
0	09/18/2024	100% ISSUED FOR CONSTRUCTION - EXPANSION	AM	TM

DSGN | Designer | DR | Author | CHK | Checker | APV'D | Approver

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License Type: Engineering
License #: F-10
Exp. Date: 12/31/2024

ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12803 PAUL A. WILKES
09-18-2024 SEAL

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Control-Room-2
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

Jacobs NABHOLZ

ELECTRICAL
PANEL SCHEDULES

SHEET NO
E-710

SCALE	
DATE	09/18/2024
PROJ	D3754502
DWG	CMDN-OSD_Control-Room-2_E-710

PLOT DATE/TIME: 9/16/2024 9:15:56 AM

9/16/2024 9:15:56 AM E-710
Autodesk Docs://US_D3754500_FED_Aerojet Rocketdyne/D3754502_CMDN_OSD_Control-Room-2_ELEC.rvt