

9/16/2024 9:41:53 AM E-710 Autodesk Docs/US_D0754500_FED_Aerojet Rocketdyne/D0754500_CMDN_OSD_TestStand_ELEC.rvt

Branch Panel: H1				Location: IT/ELEC. 105 Supply From: HP-1 Mounting: Surface Enclosure:				Volts: 480V Phases: 3 Wires: 3				A.I.C. Rating: 35 K Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A			
NOTES: SHUNT TRIP MCB															
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT		
1	AHU-1	25 A	3	4000 VA	8333 VA	4000 VA	8333 VA			3	60 A	CRANE	2		
3	--	--	--							--	--	--	4		
5	--	--	--					4000 VA	8333 VA	--	--	--	6		
7	USER DISCONNECT	100 A	3	0 VA	0 VA					3	100 A	USER DISCONNECT	8		
9	--	--	--			0 VA	0 VA			--	--	--	10		
11	--	--	--					0 VA	0 VA	--	--	--	12		
13	TL1	125 A	3	7273 VA	3880 VA	7168 VA	3880 VA			3	30 A	COMP-1	14		
15	--	--	--							--	--	--	16		
17	--	--	--					7110 VA	3880 VA	--	--	--	18		
19	JIB CRANE	30 A	3	4333 VA	--					1	--	SPACE	20		
21	--	--	--			4333 VA	--			1	--	SPACE	22		
23	--	--	--					4333 VA	--	1	--	SPACE	24		
25	SPACE	--	1	--	--					1	--	SPACE	26		
27	SPACE	--	1			--	--			1	--	SPACE	28		
29	SPACE	--	1					--	--	1	--	SPACE	30		
31	SPACE	--	1	--	--					1	--	SPACE	32		
33	SPACE	--	1			--	--			1	--	SPACE	34		
35	SPACE	--	1					--	--	1	--	SPACE	36		
37	SPACE	--	1	--	0 VA					3	60 A	SPD	38		
39	SPACE	--	1			--	0 VA			--	--	--	40		
41	SPACE	--	1					--	0 VA	--	--	--	42		
Total Load:				27819 VA		27714 VA		27656 VA							
Total Amps:				100 A		100 A		100 A							
Legend:															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Lighting				3884 VA		100.00%		3884 VA							
MOT				66466 VA		100.00%		66466 VA		Total Conn. Load: 83189 VA					
REC				12840 VA		88.94%		11420 VA		Total Est. Demand: 81769 VA					
										Total Conn. Current: 100 A					
										Total Est. Demand Current: 98 A					

Branch Panel: L1				Location: IT/ELEC. 105 Supply From: TL1 Mounting: Surface Enclosure:				Volts: 120/208V Phases: 3 Wires: 4				A.I.C. Rating: 10K Mains Type: MCB Mains Rating: 225 A MCB Rating: 225 A			
NOTES:															
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT		
1	CU-1 / FC-1	30 A	2	1914 VA	2540 VA	1914 VA	3080 VA			3	100 A	L2	2		
3	--	--	--							--	--	--	4		
5	USER DISCONNECT	100 A	3					0 VA	3260 VA	--	--	--	6		
7	--	--	--	0 VA	750 VA					1	20 A	LTG - GUIDED IM...	8		
9	--	--	--			0 VA	237 VA			1	20 A	LTG - RM EAST 102....	10		
11	REC - SOUTH...	20 A	1					540 VA	1050 VA	1	20 A	LIGHTING BATCH...	12		
13	REC - SOUTH...	20 A	1	540 VA	241 VA					1	20 A	LTG - RM 105, 106	14		
15	REC - EQUIPMENT...	20 A	1			540 VA	112 VA			1	20 A	LTG - EXTERIOR...	16		
17	REC - WEST...	20 A	1					540 VA	1000 VA	1	20 A	DRYER 1	18		
19	REC - SOUTH...	20 A	1	540 VA	750 VA					1	20 A	LTG - GUIDED IM...	20		
21	REC - NORTH...	20 A	1			540 VA	750 VA			1	20 A	LTG - GUIDED IM...	22		
23	REC - NORTH / EAST...	20 A	1					540 VA	180 VA	1	20 A	REC - ACS	24		
25	LIFT GATE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26		
27	VALVE MOTORIZED...	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:				7273 VA		7168 VA		7110 VA							
Total Amps:				61 A		60 A		59 A							
Legend:															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Lighting				3884 VA		100.00%		3884 VA							
MOT				4827 VA		100.00%		4827 VA		Total Conn. Load: 21551 VA					
REC				12840 VA		88.94%		11420 VA		Total Est. Demand: 20131 VA					
										Total Conn. Current: 60 A					
										Total Est. Demand Current: 56 A					

Branch Panel: L2													
Location: IT/ELEC. 105				Volts: 120/208V				A.I.C. Rating: 10K					
Supply From: L1				Phases: 3				Mains Type: MLO					
Mounting: Surface				Wires: 4				Mains Rating: 100 A					
Enclosure: TYPE 1													
NOTES:													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC - RACK UPS	20 A	1	1000 VA	1000 VA					1	20 A	REC - RACK UPS	2
3	REC - RACK UPS	20 A	1			1000 VA	1000 VA			1	20 A	REC - RACK UPS	4
5	REC - RACK UPS	20 A	1					1000 VA	1000 VA	1	20 A	REC - RACK UPS	6
7	REC - COMM RM RACK	20 A	1	180 VA	360 VA					1	20 A	REC - WEST EXTERIOR	8
9	REC - IT/ELEC 105	20 A	1			360 VA	720 VA			1	20 A	REC - CONTROL ROO...	10
11	REC - CONTROL ROO...	20 A	1					900 VA	360 VA	1	20 A	REC - CTRL RM...	12
13	ELECTRONIC DOOR...	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 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					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
Total Load:				2540 VA		3080 VA		3260 VA					
Total Amps:				21 A		26 A		28 A					
Legend:													
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals			
REC				8880 VA		100.00%		8880 VA					
										Total Conn. Load: 8880 VA			
										Total Est. Demand: 8880 VA			
										Total Conn. Current: 25 A			
										Total Est. Demand Current: 25 A			

APVD

CHK

DR

DESIGN

NO.

DATE

0

09/18/2024

100% ISSUED FOR CONSTRUCTION - EXPANSION

AM

TM

Author

Checker

Designer

Approver

JACOBS

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Exp. Date: 12/31/2024

REGISTERED PROFESSIONAL ENGINEER
No. 12803
State of Arkansas
W. K. KEE
9/18/2024

Test Stand and SAT Building
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

ELECTRICAL
PANEL SCHEDULES

SHEET NO
E-710

SCALE
DATE 09/18/2024
PROJ D3754502
DWG CMDN-OSD_Test Stand and SAT Building_E-710

9/16/2024 9:41:53 AM

PLOT DATE/TIME: 9/16/2024 9:41:53 AM

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