Branch Panel: L1A

Location: ELEC.-1 121
Supply From:
Mounting: Recessed
Enclosure: Type 1

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

A.I.C. Rating:
Mains Type:
Mains Rating: 250 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	2
3	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	4
5	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	6
7	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	8
9	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	10
11	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	12
13	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	14
15	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	16
17	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	18
19	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	20
21	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	22
23	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	24
25	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	26
27	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	28
29	EXISTING	20 A	1					0 VA	0 VA	2	15 A	EXISTING	30
31	EXISTING	15 A	2	0 VA	0 VA								32
33						0 VA	0 VA			2	30 A	EXISITNG	34
35	EXISTING	20 A	1					0 VA	0 VA				36
37	EXISTING	15 A	2	0 VA	0 VA					2	20 A	EXISTING	38
39						0 VA	0 VA						40
41	EXISTING	30 A	2					0 VA	0 VA	1	20 A	EXISTING	42
43				0 VA	0 VA					1	20 A	EXISTING	44
45	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	46
47	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	48
49	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	50
51	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	52
53	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	54
55	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	56
57	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	58
59	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	60
61	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	62
63	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	64
65	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	66
67	EXISTING	22 A	1	0 VA	0 VA					1	20 A	EXISTING	68
69	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	70
71	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	72
73	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	74
75	EXISTING	20 A	1			0 VA	0 VA			1	2 A	EXISTING	76
77	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	78
79	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	80
81	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	82
83	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	84
85	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	86
87	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	88
89	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	90
91	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	92
93	EXISTING	20 A	1			0 VA	26064...						94
95	EXISTING	20 A	1					0 VA	2606...	3	20 A	EXISTING	96
97	EXISTING	20 A	1	0 VA	26064...								98
99	EXISTING	20 A	1			0 VA							100
101	EXISTING	20 A	1					0 VA					102
103	EXISTING	20 A	1	0 VA									104
105	EXISTING	20 A	1			0 VA							106
107	EXISTING	20 A	1					0 VA					108
109	EXISTING	20 A	1	0 VA									110
111	EXISTING	20 A	1			0 VA							112
113	EXISTING	20 A	1					0 VA	5223...				114
115					3152 VA					3	100 A	L2B	116
117							2432...						118
119	Spare	20 A	1					0 VA					120
121													122
123													124
125													126
			Total Load:	29216 VA		28496 VA		31287 VA					
			Total Amps:	244 A		237 A		262 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3227 VA	100.00%	3227 VA		
Other	2000 VA	100.00%	2000 VA	**Total Conn. Load:**	88998 VA
Power	79271 VA	100.00%	79271 VA	**Total Est. Demand:**	88998 VA
Receptacle	4500 VA	100.00%	4500 VA	**Total Conn.:**	247 A
				Total Est. Demand:	247 A

Notes:

Branch Panel: L2B

Location: STORAGE 227D
Supply From: L1A
Mounting: Recessed
Enclosure: Type 1

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

A.I.C. Rating:
Mains Type:
Mains Rating: 100 A
MCB Rating:

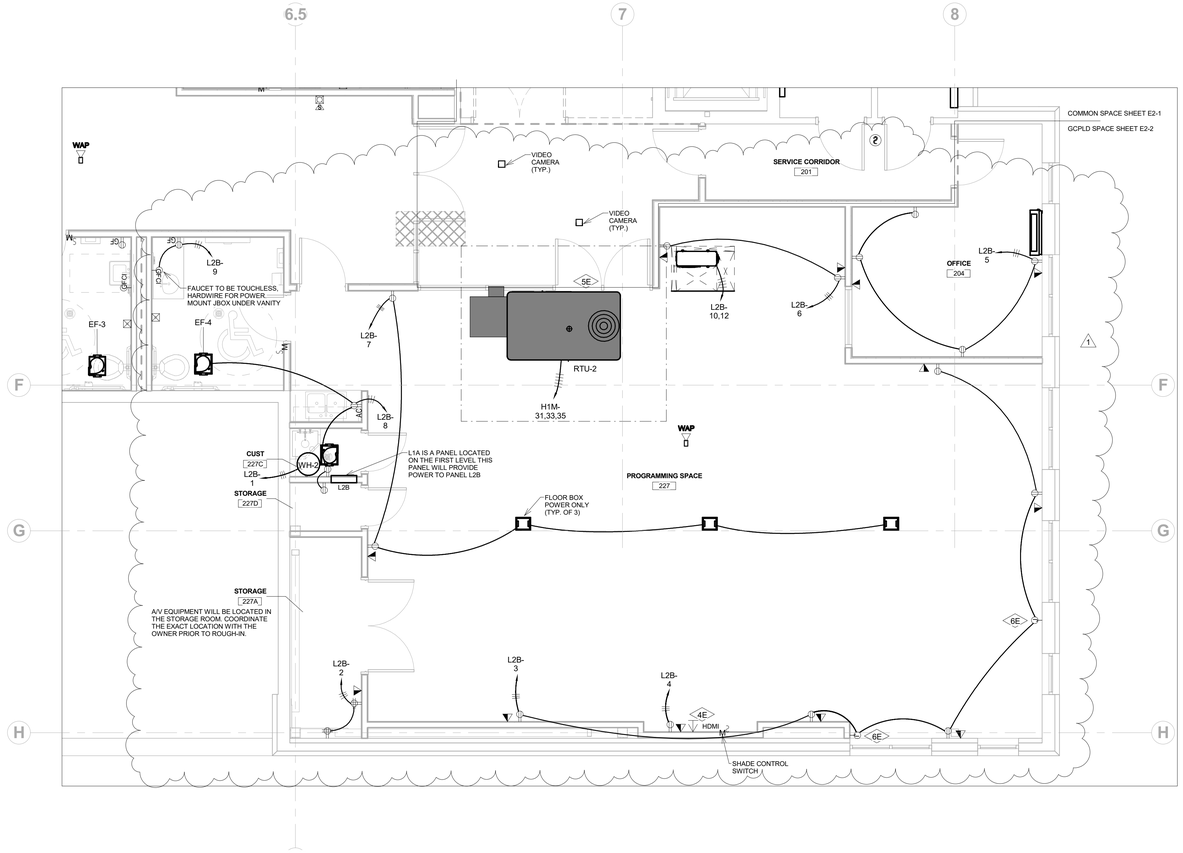
Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Other CUST 227C	20 A	1	2000...	720 VA					1	20 A	Receptacle STORAGE 227A	2
3	Receptacle PROGRAMMING SPACE 227	20 A	1			1260...	180 VA			1	20 A	Receptacle PROGRAMMING SPACE 227	4
5	Receptacle OFFICE 204	20 A	1					720 VA	360 VA	1	20 A	Receptacle	6
7	Receptacle MAKER SPACE STORY TIME 207	20 A	1	1440...	1063 VA					1	20 A	Receptacle Room 227C, 227D, EXHAUST FAN...	8
9	Receptacle FAMILY RR 227B	20 A	1			360 VA	1352...			2	20 A	AC-2 CONDENSING UNIT	10
11									1352...				12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
			Total Load:	5223 VA		3152 VA		2432 VA					
			Total Amps:	44 A		27 A		20 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3227 VA	100.00%	3227 VA		
Other	2000 VA	100.00%	2000 VA	**Total Conn. Load:**	10807 VA
Power	1080 VA	100.00%	1080 VA	**Total Est. Demand:**	10807 VA
Receptacle	4500 VA	100.00%	4500 VA	**Total Conn.:**	30 A
				Total Est. Demand:	30 A

Notes:



1 / E2-2 ELECTRICAL GCPLD - LEVEL 2
1/4" = 1'-0"

ELECTRICAL - KEYNOTED LEGEND	
Key Value	Keynote Text
2E	PROVIDE OWNER CAPABLE METERING FOR PANELS L2A, H2A & H2M, SUCH AS AN EMON-DMON STYLE.
3E	PROVIDE TOTAL PROTECTION SOLUTIONS SURGE SUPPRESION WITH TRANSIENT FILTER #TK-LP120-3Y480-L-F AT ALL LIGHTING PANELS.
4E	PROVIDE INTERFACE WITH DATA (CAT-6), COAX, HDMI, SOUND SYSTEM, DVD PLAYER AND ANY ADDITIONAL INTERFACES GCPLD MIGHT REQUIRE. COORDINATE WITH GCPLD.
5E	PROVIDE CARD READER ACCESS TO GCPLD SPACE.
6E	PROVIDE A JUNCTION BOX FOR POWERING THE SHADES FOR THE SPACE. LOW VOLTAGE SHADE SWITCHES LOCATED ADJACENT TO LIGHT SWITCH LOCATIONS. COORDINATE WITH SUPPLIER PRIOR TO ROUGH-IN.

Branch Panel: H1M

Location: ELEC.-1 121
Supply From:
Mounting: Recessed
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 200 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISTING	20 A	1	1136...	1136...					1	20 A	EXISTING	2
3	EXISTING	20 A	1			1136...	1135...			1	20 A	EXISTING	4
5	EXISTING	20 A	1					1136...	1911...	1	20 A	EXISTING	6
7	EXISTING	20 A	1	1136...	721 VA								8
9	EXISTING	15 A	3			721 VA	721 VA			3	15 A	EXISTING	10
11								721 VA	721 VA				12
13				721 VA	10656...								14
15	EXISTING	70 A	3			14134...	10656...			3	60 A	EXISTING	16
17								14134...	10656...				18
19				14134...	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				4573...									32
33	RTU-2 ROOFTOP UNIT	20 A	3			4573...							34
35								4573...					36
37													38
39													40
41													42
			Total Load:	34213 VA		33076 VA		33852 VA					
			Total Amps:	124 A		119 A		123 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	13718 VA	100.00%	13718 VA		
Spare	87422 VA	100.00%	87422 VA	**Total Conn. Load:**	101140 VA
				Total Est. Demand:	101140 VA
				Total Conn.:	122 A
				Total Est. Demand:	122 A

Notes:

Colorado Mountain College

PROJECT DESCRIPTION

Delta	Description	Date Issued
1	ADDENDUM #002	9/8/16

HUMPHRIES POLI ARCHITECTS

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ELECTRICAL PLAN - GCPLD

BIDDING/PERMIT SET
8/01/2016

PROJECT No.	PROJECT ARCH	PROJECT MNGR	CHECKED BY
16-001	Approver	Designer	Checker

SHEET No.

E2-2

9/9/2016 1:50:35 PM