

**NAME: 6-3-MSB-1-PNL-1**

LOCATION: ELEC. ROOM 1-173  
 MANS RATING: 125 A  
 MANS TYPE: MCB  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 480/277 Vph  
 PHASE: 3  
 WIRE: 4

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 AFC: 65 KA  
 SCCR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	LTO DH 6 MECH GALLERY	20A 1				0.72	0.8		1	20A			LTO CORRIDOR DH# 6	2
3	LTO ELEC ROOM DH# 6	20A 1				1.44	3.1		1	20A			LTO DH 6 ZONE # 4	4
5	LTO DH 6 ZONE # 4	20A 1				1.66	2.5		1	20A			LTO DH 6 ZONE # 6	6
7	LTO DH 6 ZONE # 6	20A 1				2.5			1	20A				8
9														10
11														12
13														14
15														16
17														18
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39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 3.99 KVA, 4.44 KVA, 4.16 KVA  
 FEED THROUGH LUOS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 3.99 KVA, 4.44 KVA, 4.16 KVA  
 TOTAL LOAD (AMPS): 142.8 A, 162.6 A, 151.1 A  
 PHASE LOAD BALANCE: 87.64%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Lighting	11.73 KVA	14.68 KVA	TOTAL CONNECTED LOAD (AMPS): 19 A
Other	0.8 KVA	0.8 KVA	TOTAL CODE LOAD (AMPS): 19 A
			PERCENT LOADED: 14.83%

TOTAL KVA: 12.48 KVA, 15.41 KVA

LOAD CLASSIFICATION (L) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: A-1-INV-3-PNL-6-1**

LOCATION: ELEC. ROOM 1-171  
 MANS RATING: 100 A  
 MANS TYPE: MLO  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 480/277 Vph  
 PHASE: 3  
 WIRE: 4

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 AFC: 65 KA  
 SCCR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	EM LTO DH 6 MECH GALLERY	20A 1				0.45	0.92		1	20A			EM LTO CORRIDOR DH# 6	2
3	EM LTO DH 6 ZONE # 4	20A 1				0.7	1.32		1	20A			EM LTO DH 6 ZONE # 4	4
5	EM LTO DH 6 ZONE # 6	20A 1				1.1	1.1		1	20A			EM LTO DH 6 ZONE # 6	6
7	EM LTO DH 6 ZONE # 8	20A 1				1.15			1	20A				8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 2.46 KVA, 1.97 KVA, 2.2 KVA  
 FEED THROUGH LUOS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 2.46 KVA, 1.97 KVA, 2.2 KVA  
 TOTAL LOAD (AMPS): 71.6 A, 61.6 A  
 PHASE LOAD BALANCE: 78.09%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Lighting	5.1 KVA	7.3 KVA	TOTAL CONNECTED LOAD (AMPS): 19 A
Other	0.92 KVA	0.92 KVA	TOTAL CODE LOAD (AMPS): 19 A
			PERCENT LOADED: 9.63%

TOTAL KVA: 6.58 KVA, 8 KVA

LOAD CLASSIFICATION (L) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 6-2-MSB-1-PNL-1**

LOCATION: ELEC. ROOM 1-172  
 MANS RATING: 100 A  
 MANS TYPE: MCB  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 120/208 Vph  
 PHASE: 3  
 WIRE: 4

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 AFC: 22 KA  
 SCCR: 22 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	RECP# ELEC. ROOM 1-170	20A 1				1.08	0.72		1	20A			RECP# MECHANICAL 1-201	2
3	RECP# ELEC. ROOM 1-171	20A 1				1.08	0.72		1	20A			RECP# MECHANICAL 1-201	4
5	RECP# ELEC. ROOM 1-172	20A 1				1.08	0.54		1	20A			RECP# STORAGE 1-201	6
7	RECP# ELEC. ROOM 1-173	20A 1				1.08	0.54		1	20A			RECP# STORAGE 1-201	8
9	RECP# CORRIDOR 1-203	20A 1				0.72	1.08		1	20A			RECP# DATA HALL 4-1-200	10
11	RECP# CORRIDOR 1-203	20A 1				0.9	1.08		1	20A			RECP# DATA HALL 4-1-200	12
13	RECP# CORRIDOR 1-203	20A 1				0.72	0.36		1	20A			RECP# EXT.	14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
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37														38
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41														42

BRANCH CIRCUIT LOAD (KVA): 4.5 KVA, 3.6 KVA, 3.6 KVA  
 FEED THROUGH LUOS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 4.5 KVA, 3.6 KVA, 3.6 KVA  
 TOTAL LOAD (AMPS): 37.8 A, 30.2 A, 30.2 A  
 PHASE LOAD BALANCE: 100%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
RECP#	11.7 KVA	11.7 KVA	TOTAL CONNECTED LOAD (AMPS): 32 A
			TOTAL CODE LOAD (AMPS): 32 A
			PERCENT LOADED: 32.48%

TOTAL KVA: 11.7 KVA, 11.7 KVA

LOAD CLASSIFICATION (L) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 6-1-UPS-1-UDP-1**

LOCATION: ELEC. ROOM 1-170  
 MANS RATING: 400 A  
 MANS TYPE: MCB  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 480V  
 PHASE: 3  
 WIRE: 3

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 AFC: 65 KA  
 SCCR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74	16.74		3	70A			FWU#4-1	2
3	FWU#4-1	70A 3				16.74	16.74		3	70A			FWU#4-1	4
5						16.74	16.74		3	70A				6
7						16.74	16.74		3	70A				8
9	CDU#4-1	90A 3				10.95	10.95		3	90A			CDU#4-1	10
11						10.95	10.95		3	90A				12
13						10.95	10.95		3	90A				14
15														16
17														18
19														20
21														22
23														24
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27														28
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33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 55.37 KVA, 55.37 KVA, 55.37 KVA  
 FEED THROUGH LUOS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 55.37 KVA, 55.37 KVA, 55.37 KVA  
 TOTAL LOAD (AMPS): 199.8 A, 199.8 A, 199.8 A  
 PHASE LOAD BALANCE: 100%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Power	166.1 KVA	166.1 KVA	TOTAL CONNECTED LOAD (AMPS): 200 A
			TOTAL CODE LOAD (AMPS): 200 A
			PERCENT LOADED: 49.95%

TOTAL KVA: 166.1 KVA, 166.1 KVA

LOAD CLASSIFICATION (L) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 6-1-MSB-1-MDP-1**

LOCATION: ELEC. ROOM 1-170  
 MANS RATING: 400 A  
 MANS TYPE: MLO  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 480V  
 PHASE: 3  
 WIRE: 3

MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 AFC: 65 KA  
 SCCR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74	16.74		3	70A			FWU#4-1	2
3	FWU#4-3	70A 3				16.74	16.74		3	70A			FWU#4-1	4
5						16.74	16.74		3	70A				6
7						16.74	16.74		3	70A				8
9	CDU#4-1	90A 3				10.95	10.95		3	90A			CDU#4-1	10
11						10.95	10.95		3	90A				12
13						10.95	10.95		3	90A				14
15	CHW#4-8	15A 3				3.41	3.41		3	15A				16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 57.02 KVA, 57.02 KVA, 57.02 KVA  
 FEED THROUGH LUOS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 57.02 KVA, 57.02 KVA, 57.02 KVA  
 TOTAL LOAD (AMPS): 205.8 A, 205.8 A, 205.8 A  
 PHASE LOAD BALANCE: 100%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Power	171.07 KVA	171.07 KVA	TOTAL CONNECTED LOAD (AMPS): 206 A
			TOTAL CODE LOAD (AMPS): 206 A
			PERCENT LOADED: 34.29%