

NAME: 5-3-MSB-1-PNL-1

LOCATION: ELEC. ROOM 1-163
 MANS RATING: 125 A
 MAINS TYPE: MCB
 FEED THROUGH LUIGS: No

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

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

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	LIGHTING - EXTERIOR	20A 1				0.29	1.7				20A 1	LTD DH 5 ZONE 1	2
3	LIGHTING - EXTERIOR	20A 1					0.34	1.84			20A 1	LTD ELEC ROOM DH 5	4
5	LTD CORRIDOR DH 5	20A 1					0.67	0.72	1		20A 1	LTD DH 5 MECH GALLERY	6
7	LTD DH 5 ZONE 2	20A 1				2.5					20A 1		8
9	LTD DH 5 ZONE 4	20A 1					2.5				20A 1		10
11	LTD DH 5 ZONE a&M	20A 1						3.06			20A 1		12
13													14
15													16
17													18
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BRANCH CIRCUIT LOAD (KVA)
 FEED THROUGH LUIGS LOAD:
 TOTAL PANEL LOAD (KVA): 4.46 KVA 4.37 KVA 4.35 KVA
 TOTAL LOAD (AMPS): 16.1 A 15.8 A 15.7 A
 PHASE LOAD BALANCE: 97.2%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	11.92 KVA	14.9 KVA	TOTAL CONNECTED LOAD (AMPS): 16 A
Other	0.67 KVA	0.67 KVA	TOTAL CODE LOAD (AMPS): 20 A
			PERCENT LOADED: 15.6%
TOTAL KVA	13.14 KVA	16.27 KVA	

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

NAME: A-1-INV-2-PNL-5-1

LOCATION: ELEC. ROOM 1-161
 MANS RATING: 100 A
 MAINS TYPE: MLO
 FEED THROUGH LUIGS: No

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

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

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	EM LIGHTING - EXTERIOR	20A 1				0.29	1.08				20A 1	EM LTD ELEC ROOM DH 5	2
3	EM LIGHTING - MECH GALLERY	20A 1					0.45	1.1			20A 1	EM LTD DH 5 ZONE 4	4
5	EM LIGHTING - EXTERIOR	20A 1					0.44	0.7	1		20A 1	EM LTD DH 5 ZONE 6	6
7	EM LTD DH 5 ZONE a&P	20A 1				1.15					20A 1		8
9	EM LTD DH 5 ZONE e	20A 1					1.1				20A 1		10
11	EM LTD CORRIDOR DH 5	20A 1						1.19			20A 1		12
13													14
15													16
17													18
19													20
21													22
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37													38
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41													42

BRANCH CIRCUIT LOAD (KVA)
 FEED THROUGH LUIGS LOAD:
 TOTAL PANEL LOAD (KVA): 2.46 KVA 2.61 KVA 2.28 KVA
 TOTAL LOAD (AMPS): 9.2 A 9.2 A 8.2 A
 PHASE LOAD BALANCE: 86.7%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	5.47 KVA	6.83 KVA	TOTAL CONNECTED LOAD (AMPS): 9 A
Other	1.15 KVA	1.19 KVA	TOTAL CODE LOAD (AMPS): 11 A
			PERCENT LOADED: 10.64%
TOTAL KVA	7.31 KVA	8.85 KVA	

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

NAME: 5-2-MSB-1-PNL-1

LOCATION: ELEC. ROOM 1-162
 MANS RATING: 100 A
 MAINS TYPE: MCB
 FEED THROUGH LUIGS: No

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

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

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	RECPY. ELEC. ROOM 1-161	20A 1				1.08	0.72				20A 1	RECPY. MECHANICAL 1-214	2
3	RECPY. ELEC. ROOM 1-162	20A 1					1.08	1.07			20A 1	RECPY. MECHANICAL 1-211	4
5	RECPY. ELEC. ROOM 1-163	20A 1					1.08	0.54			20A 1	RECPY. STORAGE 1-213	6
7	RECPY. ELEC. ROOM 1-164	20A 1				1.08	0.54				20A 1	RECPY. STORAGE 1-215	8
9	RECPY. CORRIDOR 1-223	20A 1						0.72	1.08		20A 1	RECPY. DATA HALL 5-1-212	10
11	RECPY. CORRIDOR 1-223	20A 1						0.72	1.08		20A 1	RECPY. DATA HALL 5-1-212	12
13	RECPY. EXT.	20A 1				0.54					20A 1		14
15													16
17													18
19													20
21													22
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BRANCH CIRCUIT LOAD (KVA)
 FEED THROUGH LUIGS LOAD:
 TOTAL PANEL LOAD (KVA): 3.96 KVA 3.6 KVA 3.42 KVA
 TOTAL LOAD (AMPS): 33.2 A 30.2 A 28.2 A
 PHASE LOAD BALANCE: 85.76%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
RECPY.	10.98 KVA	10.98 KVA	TOTAL CONNECTED LOAD (AMPS): 30 A
			TOTAL CODE LOAD (AMPS): 30 A
			PERCENT LOADED: 30.48%
TOTAL KVA	10.98 KVA	10.98 KVA	

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

NAME: 5-1-UPS-1-UDP-1

LOCATION: ELEC. ROOM 1-161
 MANS RATING: 400 A
 MAINS TYPE: MCB
 FEED THROUGH LUIGS: No

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

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

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1													2
3	FRW-5-1	70A 3				16.74	16.74				70A 3	FRW-5-1	4
5							16.74	16.74					6
7								16.74					8
9	CDU-5-1	100 A 3				10.95	10.95				100 A 3	CDU-5-1	10
11							10.95	10.95					12
13								10.95					14
15													16
17													18
19													20
21													22
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BRANCH CIRCUIT LOAD (KVA)
 FEED THROUGH LUIGS LOAD:
 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: 49.50%
TOTAL KVA	166.1 KVA	166.1 KVA	

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

NAME: 5-1-MSB-1-MDP-1

LOCATION: ELEC. ROOM 1-161
 MANS RATING: 400 A
 MAINS TYPE: MLO
 FEED THROUGH LUIGS: No

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

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

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

BRANCH CIRCUIT LOAD (KVA)
 FEED THROUGH LUIGS LOAD:
 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%
TOTAL KVA	171.07 KVA	171.07 KVA	

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

NAME: 5-2-UPS-1-UDP-1

LOCATION: ELEC. ROOM 1-162
 MANS RATING: 400 A
 MAINS TYPE: MCB
 FEED THROUGH LUIGS: No

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

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

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1													2
3	FRW-5-4	70A 3				16.74	16.74				70A 3	FRW-5-12	4
5													