

**NAME: 11-3-MSB-1-PNL-1**

LOCATION: ELEC. ROOM 2-112  
 MANS RATING: 125 A  
 MAINS TYPE: MCB  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 480/277 Vwyr  
 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 CORRIDOR DH 11					0.63	0.72				20 A		LTO DH 11 MESH GALLERY	2
3	LTO ELEC ROOM DH 11					1.7	2.5				20 A		LTO DH 11 ZONE d	4
5	LTO DH 11 ZONE c					1.7	2.5				20 A		LTO DH 11 ZONE e	6
7	LTO DH 11 ZONE a&b					3.05					20 A		LTO DH 11 ZONE c	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): 4.31 kVA, 3.96 kVA, 4.29 kVA  
 FEED THROUGH LUOS LOAD: 0 kVA, 0 kVA, 0 kVA  
 TOTAL PANEL LOAD (kVA): 4.31 kVA, 3.96 kVA, 4.29 kVA  
 TOTAL LOAD (AMPS): 15.7 A, 13.9 A, 15.8 A  
 PHASE LOAD BALANCE: 88.5%

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	11.74 kVA	14.68 kVA	TOTAL CONNECTED LOAD (AMPS): 15 A
Other	0.63 kVA	0.63 kVA	TOTAL CODE LOAD (AMPS): 18 A
			PERCENT LOADED: 14.69%

TOTAL kVA: 12.33 kVA, 15.27 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-2-PNL-11-1**

LOCATION: ELEC. ROOM 2-110  
 MANS RATING: 100 A  
 MAINS TYPE: MLO  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 480/277 Vwyr  
 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 11 MESH GALLERY					0.45	0.5				20 A		EM LTO CORRIDOR DH 11	2
3	EM LTO DH 11 ZONE e					0.7	1.15				20 A		EM LTO DH 11 ZONE a&b	4
5	EM LTO ELEC ROOM DH 11					1.08	1.1				20 A		EM LTO DH 11 ZONE c	6
7	EM LTO DH 11 ZONE c					1.1					20 A			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): 2.9 kVA, 1.86 kVA, 2.12 kVA  
 FEED THROUGH LUOS LOAD: 0 kVA, 0 kVA, 0 kVA  
 TOTAL PANEL LOAD (kVA): 2.9 kVA, 1.86 kVA, 2.12 kVA  
 TOTAL LOAD (AMPS): 7.3 A, 6.7 A, 7.9 A  
 PHASE LOAD BALANCE: 86.12%

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	5.41 kVA	6.63 kVA	TOTAL CONNECTED LOAD (AMPS): 7 A
Other	0.5 kVA	0.5 kVA	TOTAL CODE LOAD (AMPS): 9 A
			PERCENT LOADED: 8.6%

TOTAL kVA: 5.95 kVA, 7.31 kVA

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

**NAME: 11-2-MSB-1-PNL-1**

LOCATION: ELEC. ROOM 2-111  
 MANS RATING: 100 A  
 MAINS TYPE: MCB  
 FEED THROUGH LUOS: No

FED FROM:  
 VOLTAGE: 120/208 Vwyr  
 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 2-114					1.08	0.72				20 A		RECP. MECHANICAL 2-167	2
3	RECP. ELEC. ROOM 2-115					1.08	0.72				20 A		RECP. MECHANICAL 2-164	4
5	RECP. ELEC. ROOM 2-116					1.08	0.54				20 A		RECP. STORAGE 2-166	6
7	RECP. ELEC. ROOM 2-117					1.08	0.54				20 A		RECP. STORAGE 2-166	8
9	RECP. CORRIDOR 1-203					0.72	1.08				20 A		RECP. DATA HALL 11-2-169	10
11	RECP. CORRIDOR 1-203					0.72	1.08				20 A		RECP. DATA HALL 11-2-169	12
13	RECP. EQUIP. PLATFORM					0.72	0.72				20 A		RECP. EQUIP. PLATFORM	14
15	RECP. EQUIP. PLATFORM					0.9					20 A		RECP. EQUIP. PLATFORM	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): 4.98 kVA, 4.5 kVA, 3.42 kVA  
 FEED THROUGH LUOS LOAD: 0 kVA, 0 kVA, 0 kVA  
 TOTAL PANEL LOAD (kVA): 4.98 kVA, 4.5 kVA, 3.42 kVA  
 TOTAL LOAD (AMPS): 41.9 A, 39.2 A, 29.5 A  
 PHASE LOAD BALANCE: 68.06%

LEGEND

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
RECP.	12.78 kVA	12.78 kVA	TOTAL CONNECTED LOAD (AMPS): 35 A
			TOTAL CODE LOAD (AMPS): 35 A
			PERCENT LOADED: 35.47%

TOTAL kVA: 12.78 kVA, 12.78 kVA

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

**NAME: 11-1-UPS-1-UDP-1**

LOCATION: ELEC. ROOM 2-114  
 MANS RATING: 400 A  
 MAINS 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				70 A			2
3	FWU-11-1					16.74	16.74				70 A		FWU-11-2	4
5						16.74	16.74				70 A			6
7						16.74	16.74				70 A			8
9	CDU-11-1					10.95	10.95				30 A		CDU-11-2	10
11						10.95	10.95				30 A			12
13						10.95	10.95				30 A			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): 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%

LEGEND

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: 11-1-MSB-1-MDP-1**

LOCATION: ELEC. ROOM 2-114  
 MANS RATING: 400 A  
 MAINS 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				70 A			2
3	FWU-11-3					16.74	16.74				70 A		FWU-11-4	4
5						16.74	16.74				70 A			6
7						16.74	16.74				70 A			8
9	FWU-11-14					16.74	3.41				15 A		CHW-11-4	10
11						16.74	3.41				15 A			12
13						16.74	3.41				15 A			14
15	CHW-11-4B					3.41	3.41				15 A			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%

LEGEND

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 (L) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN