

PANELBOARD: L1C-C

LOCATION: ELECTRICAL ROOM 131
SUPPLY FROM: TR1C-C
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V,3P,4W,60Hz
MAINS TYPE / LOCATION: MCB/TOP
MCB FRAME / TRIP SIZE: 150 AF/150 AT

INTERRUPTING RATING (KA SYMMETRICAL): 10 KA
MINIMUM BUS RATING: 150 A
NEUTRAL BUS RATING: 100%

CKT NO.	NOTES	DESCRIPTIONS	CIRCUIT SIZE	TRIP AMPS	POLES	PHASE A (VOLT-AMPS)	PHASE B (VOLT-AMPS)	PHASE C (VOLT-AMPS)	POLES	TRIP AMPS	CIRCUIT SIZE	DESCRIPTIONS	NOTES	CKT NO.
1		LTG - CARBON LINER RM	2#10,1#10G,3/4"	30 A	2	245 VA								2
3		LTG - CAST BAY	2#10,1#10G,3/4"	30 A	2		245 VA					LTG - ENERG/BATCH TESTWASTE...		4
5		LTG - CAST BAY	2#10,1#10G,3/4"	30 A	2			652 VA						6
7		LTG - RECEIVING	2#10,1#10G,3/4"	30 A	2		571 VA	2038 VA				LTG - ENERGETIC		8
11		LTG - CAST BAY	2#10,1#10G,3/4"	30 A	2	887 VA	2119 VA					LTG - ENERGETIC		10
13		LTG - CAST BAY	2#10,1#10G,3/4"	30 A	2		887 VA	2119 VA				LTG - ENERGETIC		12
15		LTG - ANGEL WAY/ENERGETIC OVENS	2#10,1#10G,3/4"	30 A	2			1223 VA	0 VA			SPARE		14
17		SPARE	--	--	--	1223 VA	0 VA					LTG - ENERGETIC		16
19		SPARE	--	--	--	30 A	2					LTG - ENERGETIC		18
21		SPARE	--	--	--	30 A	2					LTG - ENERGETIC		20
23		SPARE	--	--	--	30 A	2					LTG - ENERGETIC		22
25		LTG - CANOPY	--	--	--	608 VA	212 VA					LTG - ELEC/DIF		24
27		LTG - DOCK LIGHTS	--	--	--	20 A	1					SPARE		26
29		LTG - CAST BAY (UNDER STAND)	--	--	--	20 A	1					SPARE		28
31		LIGHTING RELAY PANEL	--	--	--	20 A	1					SPARE		30
33		SPARE	--	--	--	20 A	1					SPARE		32
35		SPACE	--	--	--	20 A	1					SPARE		34
37		SPACE	--	--	--	20 A	1					SPD		36
39		SPACE	--	--	--	20 A	1					SPD		38
41		SPACE	--	--	--	20 A	1					SPD		40
														42

TOTAL CONNECTED LOAD / PHASE			7264 VA			8169 VA				7741 VA				
TOTAL CONNECTED AMPS/PHASE			61 A			69 A				65 A				

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	LOAD (KVA)	CURRENT (AMPS)
Lighting	2292 VA	90.00%	2063 VA	23.2 KVA	64.3 A
Facility - Equipment	250 VA	90.00%	225 VA	20.9 KVA	57.9 A
				ESTIMATED DEMAND FACTOR: 90.00%	ESTIMATED DEMAND CURRENT

PANELBOARD NOTES: ALL WIRING 2#12,1#12G,3/4" UON.

PANELBOARD: EL1A-C

LOCATION: ELECTRICAL ROOM 131
SUPPLY FROM: ETR1A-C
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V,3P,4W,60Hz
MAINS TYPE / LOCATION: MCB/TOP
MCB FRAME / TRIP SIZE: 150 AF/100 AT

INTERRUPTING RATING (KA SYMMETRICAL): 18 KA
MINIMUM BUS RATING: 150 A
NEUTRAL BUS RATING: 100%

CKT NO.	NOTES	DESCRIPTIONS	CIRCUIT SIZE	TRIP AMPS	POLES	PHASE A (VOLT-AMPS)	PHASE B (VOLT-AMPS)	PHASE C (VOLT-AMPS)	POLES	TRIP AMPS	CIRCUIT SIZE	DESCRIPTIONS	NOTES	CKT NO.
1		CONDENSATE PUMP (CRP-2)	20 A	1		876 VA	876 VA					CONDENSATE PUMP (CRP-1)		2
3		DELUGE CTRL PANEL - ENERGETIC	20 A	1			960 VA	0 VA				SPARE		4
5		DELUGE CTRL PANEL	20 A	1				960 VA	0 VA			SPARE		6
7		DELUGE CTRL PANEL - CAST BAY	20 A	1		480 VA	0 VA					SPARE		8
9		SPARE	--	--	--	20 A	1					SPARE		10
11		SPARE	--	--	--	20 A	1					SPARE		12
13		SPACE	--	--	--	20 A	1					SPACE		14
15		SPACE	--	--	--	20 A	1					SPACE		16
17		SPACE	--	--	--	20 A	1					SPACE		18
19		SPACE	--	--	--	20 A	1					SPACE		20
21		SPACE	--	--	--	20 A	1					SPD		22
23		SPACE	--	--	--	20 A	1					SPD		24
25		SPACE	--	--	--	20 A	1					NOT USABLE		26
27		SPACE	--	--	--	20 A	1					NOT USABLE		28

TOTAL CONNECTED LOAD / PHASE			2232 VA			960 VA				960 VA				
TOTAL CONNECTED AMPS/PHASE			19 A			8 A				8 A				

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	LOAD (KVA)	CURRENT (AMPS)
Facility - Equipment	2400 VA	90.00%	2160 VA	4.2 KVA	11.5 A
Facility - Motor	1752 VA	75.00%	1314 VA	3.5 KVA	9.6 A
				ESTIMATED DEMAND FACTOR: 83.67%	ESTIMATED DEMAND CURRENT

PANELBOARD NOTES: ALL WIRING 2#10,1#10G,3/4" UON.

PANELBOARD: EL1C-A

LOCATION: ELECTRICAL ROOM 112
SUPPLY FROM: ETR1A-A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V,3P,4W,60Hz
MAINS TYPE / LOCATION: MCB/TOP
MCB FRAME / TRIP SIZE: 250 AF/225 AT

INTERRUPTING RATING (KA SYMMETRICAL): 10 KA
MINIMUM BUS RATING: 225 A
NEUTRAL BUS RATING: 100%

CKT NO.	NOTES	DESCRIPTIONS	CIRCUIT SIZE	TRIP AMPS	POLES	PHASE A (VOLT-AMPS)	PHASE B (VOLT-AMPS)	PHASE C (VOLT-AMPS)	POLES	TRIP AMPS	CIRCUIT SIZE	DESCRIPTIONS	NOTES	CKT NO.
1		PANEL EL1C-B	--	50 A	3	2038 VA	2448 VA					PANEL EL1C-C		2
3		--	--	--	--		1343 VA	2965 VA				--		4
5		--	--	--	--			1130 VA				--		6
7		EM LTG - EXIT SIGNAGE	20 A	1		14 VA	141 VA					EM LTG - EXT. WALL PACK		8
9		EM LTG - JANITOR/BREAK RM/VESTI.	20 A	1			144 VA	240 VA				EM LTG - ELEC RM/CTRL RM		10
11		EM LTG - OFFICE/MEZZ/VESTI.	20 A	1				271 VA				FIRE ALARM CONTROL PANEL		12
13		SPARE	--	20 A	1	0 VA	0 VA					SPARE		14
15		SPARE	--	20 A	1		0 VA	0 VA				SPARE		16
17		SPARE	--	20 A	1			0 VA				SPARE		18
19		EM LTG - ENTRY CANOPY	20 A	1		46 VA	0 VA					SPARE		20
21		SPACE	--	--	--	20 A	1					SPACE		22
23		SPACE	--	--	--	20 A	1					SPACE		24
25		SPACE	--	--	--	20 A	1					SPACE		26
27		SPACE	--	--	--	20 A	1					SPACE		28
29		SPACE	--	--	--	20 A	1					SPACE		30
31		SPACE	--	--	--	20 A	1					SPACE		32
33		SPACE	--	--	--	20 A	1					SPACE		34
35		SPACE	--	--	--	20 A	1					SPACE		36
37		SPACE	--	--	--	20 A	1					SPD		38
39		SPACE	--	--	--	20 A	1					SPD		40
41		SPACE	--	--	--	20 A	1					SPD		42

TOTAL CONNECTED LOAD / PHASE			4686 VA			4691 VA				4224 VA				
TOTAL CONNECTED AMPS/PHASE			40 A			40 A				35 A				

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	LOAD (KVA)	CURRENT (AMPS)
Lighting	1264 VA	90.00%	1137 VA	13.6 KVA	37.8 A
Facility - Equipment	960 VA	90.00%	864 VA	12.2 KVA	34.0 A
				ESTIMATED DEMAND FACTOR: 90.00%	ESTIMATED DEMAND CURRENT

PANELBOARD NOTES: ALL WIRING 2#12,1#12G,3/4" UON.

PANELBOARD: EL1A-B

LOCATION: ELECTRICAL ROOM 120
SUPPLY FROM: ETR1A-B
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V,3P,4W,60Hz
MAINS TYPE / LOCATION: MCB/TOP
MCB FRAME / TRIP SIZE: 150 AF/100 AT

INTERRUPTING RATING (KA SYMMETRICAL): 18 KA
MINIMUM BUS RATING: 150 A
NEUTRAL BUS RATING: 100%

CKT NO.	NOTES	DESCRIPTIONS	CIRCUIT SIZE	TRIP AMPS	POLES	PHASE A (VOLT-AMPS)	PHASE B (VOLT-AMPS)	PHASE C (VOLT-AMPS)	POLES	TRIP AMPS	CIRCUIT SIZE	DESCRIPTIONS	NOTES	CKT NO.
1		DELUGE CTRL PANEL	20 A	1		480 VA	0 VA					SPARE		2
3		CONDENSATE PUMP (CRP-3)	20 A	1			864 VA	0 VA				SPARE		4
5		CONDENSATE PUMP (CRP-4)	20 A	1				864 VA	0 VA			SPARE		6
7		SPARE	--	20 A	1	0 VA	0 VA					SPARE		8
9		SPARE	--	20 A	1		0 VA	0 VA				SPARE		10
11		SPACE	--	--	--	20 A	1					SPACE		12
13		SPACE	--	--	--	20 A	1					SPACE		14
15		SPACE	--	--	--	20 A	1					SPACE		16
17		SPACE	--	--	--	20 A	1					SPACE		18
19		SPACE	--	--	--	20 A	1					SPACE		20
21		SPACE	--	--	--	20 A	1					SPACE		22
23		SPACE	--	--	--	20 A	1					SPACE		24
25		SPACE	--	--	--	20 A	1					SPACE		26
27		SPACE	--	--	--	20 A	1					SPACE		28

TOTAL CONNECTED LOAD / PHASE			480 VA			864 VA				864 VA				
TOTAL CONNECTED AMPS/PHASE			4 A			8 A				8 A				

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	LOAD (KVA)	CURRENT (AMPS)
Facility - Equipment	480 VA	90.00%	432 VA	2.2 KVA	6.1 A
Facility - Motor	1728 VA	75.00%	1296 VA	1.7 KVA	4.8 A
				ESTIMATED DEMAND FACTOR: 78.20%	ESTIMATED DEMAND CURRENT

PANELBOARD NOTES: ALL WIRING 2#12,1#12G,3/4" UON.

PANELBOARD: EL1A-D

LOCATION: BOILER BUILDING 134
SUPPLY FROM: ETR1A-D
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTAGE: 208Y/120V,3P,4W,60Hz
MAINS TYPE / LOCATION: MCB/TOP
MCB FRAME / TRIP SIZE: 150 AF/100 AT

INTERRUPTING RATING (KA SYMMETRICAL): 18 KA
MINIMUM BUS RATING: 150 A
NEUTRAL BUS RATING: 100%

CKT NO.	NOTES	DESCRIPTIONS	CIRCUIT SIZE	TRIP AMPS	POLES	PHASE A (VOLT-AMPS)	PHASE B (VOLT-AMPS)	PHASE C (VOLT-AMPS)	POLES	TRIP AMPS	CIRCUIT SIZE	DESCRIPTIONS	NOTES	CKT NO.
1		LTG - EXTERIOR	20 A	1		96 VA	326 VA					LTG - HIGH BAY		2
3		RCPT - GENERAL (BOILER BLDG)	20 A	1			720 VA	326 VA				RCPT - EXTERIOR		4
5		RCPT - GENERAL (BOILER BLDG)	20 A	1				540 VA				RCPT - EXTERIOR		6
7		SPARE	--	20 A	1	0 VA	0 VA					SPARE		8
9		SPARE	--	20 A	1		0 VA	0 VA				SPARE		10
11		SPACE	--	--	--	20 A	1					SPACE		12
13		SPACE	--	--	--	20 A	1					SPACE		14
15		SPACE	--	--	--	20 A	1					SPACE		16
17		SPACE	--	--	--	20 A	1					SPACE		18
19		SPACE	--	--	--	20 A	1					SPACE		20
21		SPACE	--	--	--	20 A	1					SPACE		22
23		SPACE	--	--	--	20 A	1					SPACE		24
25		SPACE	--	--	--	20 A	1					SPACE		26
27		SPACE	--	--	--	20 A	1					NOT USABLE		28

TOTAL CONNECTED LOAD / PHASE			422 VA			1046 VA				1440 VA				
TOTAL CONNECTED AMPS/PHASE			4 A			10 A				13 A				

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	LOAD (KVA)	C
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