

### H1A PANELBOARD

480V, 3PH, 3W  
400 A, M.C.B.  
10,000 AIC  
(7) AIC, SERIES RATED  
SURFACE MOUNT  
GROUND BUS

SERVES: HVAC  
LOCATION: EDC1 / GROCERY STORAGE  
PANEL PROVIDED WITH EDC

DESCRIPTION	WIRE	BRKR	PL	A	B	C	PL	BRKR	WIRE	DESCRIPTION
1 RTU1	20 A	3		3.20	4.10		20 A			RTU2
3 TON						3.20	4.10			3 TON
7				4.10	11.34					
9 RTU3	20 A	3			4.10	11.34				RTU4 (6)
11 TON						4.10	11.34			10 TON
13 RTU5	#6	60 A	3	12.91	4.10					RTU6
15 TON						12.91	4.10			3 TON
16 RTU7	#6	40 A	3	8.01	8.73					RTU8
21 10 TON					8.01	8.73				10 TON
23				8.01	4.10					
25					8.01	4.10				
27 10 TON	#8	40 A	3		8.01	4.10				RTU10
28						8.01	4.10			
31 RTU11	#10	30 A	3	5.76	11.34					RTU12
33 TON						3.76	11.34			10 TON
35						5.76	11.34			
37 SPACE				0.00	0.00					SPACE
38 SPACE						0.00	0.00			SPACE
41 SPACE						0.00	0.00			SPACE
TOTAL CONNECTED				83.71	85.71				83.71	KVA
TOTAL CONNECTED				302.04	302.04				302.04	AMPS
TOTAL LOAD				281.12	KVA				302.04	AMPS
PER NEC ARTICLE 220 FEEDER LOAD				251.12	KVA				302.04	AMPS

### H1P POWER SWITCHING PANELBOARD

480V/277 V, 3PH, 4W  
225 A, M.L.O.  
(7) AIC, SERIES RATED  
SURFACE MOUNT  
GROUND BUS

SERVES: LIGHTING  
LOCATION: EDC1 / GROCERY STORAGE  
PANEL PROVIDED WITH EDC

DESCRIPTION	WIRE	BRKR	PL	A	B	C	PL	BRKR	WIRE	DESCRIPTION
1 SALES FLOOR LTG (6.X)	#10	20 A	1	4.33	0.00					SFD (3.9)
3 SALES FLOOR LTG (6.X)	#10	20 A	1		3.72	0.00				(SURFACE SUPPRESSION)
5 SALES FLOOR LTG (6.X)	#10	20 A	1			3.65	0.00			
7 SALES FLOOR LTG (6.X)	#10	20 A	1	3.42	0.78					PHARMACY LIGHTING (13.X)
9 SALES FLOOR LTG (6.X)	#10	20 A	1		3.50	0.00				DEDICATED SPACE
11 SALES FLOOR LTG (6.X)	#10	20 A	1			3.50	0.98			STORE SIGN (10.X)
13 SALES FLOOR LTG (6.X)	#10	20 A	1	1.82	0.96					
15 PERIMETER LIGHTING (6.X)	#10	20 A	1		3.12	0.96				FUEL STATION PRICE SIGN (10.X)
17 PERIMETER LIGHTING (6.X)	#10	20 A	1			3.57	0.96			
19 RECEIVING LIGHTING	#10	20 A	1	1.21	1.92					STORE SIGN (10.X)
21 PRODUCE SPECIALTY LTG (6.X)	#10	20 A	1		1.33	1.92				PARKING LOT LIGHTING (6, 10, X)
23 PRODUCE SPECIALTY LTG (6.X)	#10	20 A	1			1.98	1.27			480V1
25 DEDICATED SPACE				0.00	1.27					PARKING LOT LIGHTING (6, 10, X)
27 DELI / BAKERY LIGHTING (13.X)	#10	20 A	1		2.05	0.89				480V1
29 VESTIBULE / BEV COUNTER LTG	#10	20 A	1			1.16	0.89			PARKING SECURITY LTG (6, 10, X)
31 MEAT/PRODUCE BACKROOM	#10	20 A	1	1.91	0.17					480V1
33 EMERGENCY LIGHTING (3)	#10	20 A	1		0.13	0.17				PARKING LOT LIGHTING (6, 10, X)
35 PLUG / CANOPY LTG (X)	#10	20 A	1			0.33	0.38			480V1
37 DEDICATED SPACE				0.00	0.38					TRUCKWELL SECURITY LTG (6, 10, X)
39 SECURITY LIGHTING (13.X)	#10	20 A	1		0.30	0.07				
41 VESTIBULE LIGHTING	#10	20 A	1			0.91	0.07			
TOTAL CONNECTED				18.18	18.18				18.65	KVA
TOTAL CONNECTED				65.54	65.54				70.94	AMPS
TOTAL LOAD				55.86	KVA				67.33	AMPS
PER NEC ARTICLE 220 FEEDER LOAD				49.66	KVA				64.17	AMPS

### L1D1 PANELBOARD

208Y/120 V, 3PH, 4W  
200 A, M.C.B.  
(7) AIC, SERIES RATED  
SURFACE MOUNT  
GROUND BUS (BOTH SECTIONS)

SERVES: MISC. POWER  
LOCATION: EDC1 / GROCERY STORAGE  
PANEL PROVIDED WITH EDC

DESCRIPTION	WIRE	BRKR	PL	A	B	C	PL	BRKR	WIRE	DESCRIPTION	
1 RECEIVING RECEIPTS (6)	#10	20 A	1	0.54	0.03					TECH BAR LIGHTING	
3 LEAK DETECTION (3)	#8	20 A	1		1.20	1.22				AVIUS RACKS, RTU8 RECEIPT (6)	
5 AC (DSO DGR) (6)	#6	20 A	1			1.75	0.18			DATA LOGGER	
7 WH (GROC.) / REFRIG PUMP (2)	#10	20 A	1	0.55	1.22					RTU5 7.9-12 RECEIPTS (6)	
9 IRRIGATION CONTROLLER	#10	20 A	1		0.16	1.06				JIB CRANE (6)	
11 STOCKROOM RECEIPTS (6)	#10	20 A	1			0.37	1.63			TOASTER (6)	
13 FLOOR SCRUBBER (6)	#10	20 A	1	1.20	1.55					MICROWAVE (6)	
15 GRD LEVELER (6)	#10	20 A	1		0.54	1.58				COFFEE MAKER (6)	
17 DOCK LEVELER (6)	#6	20 A	1			1.52	0.78			REFRIGERATOR (4)	
19 DATA SYSTEM RACK	#10	20 A	1	0.18	0.90					CHARGING STATION	
21 MANAGER'S STATION (6)	#10	20 A	1		1.08	1.08				BREAKROOM RECEIPTS	
23 WASTE OIL TANK (6)	#10	20 A	1			1.44	0.96			PICKUP MONRECEIPT/PRINTER	
25 FREEZER HEATERS (2.5)	#10	20 A	1	0.39	0.18					MP16 DUAL TEMP SWITCHES	
27 PRICE VERIFIERS (6)	#10	20 A	1		0.72	0.00				SPACE	
29 DEBRIT FAN RECEIPTS (6)	#10	20 A	1			0.63	0.36			ALCOVE WORKSTATION	
31 888 500 FOOD COOLER	#10	20 A	1	1.06	0.51					2 15 A	
33 FUTURE CASE CONDENSER (2)	#10	25 A	2		1.40	0.51				FUTURE CASE CONDENSER (2)	
35 FUTURE CASE FANS, LTS, AS (2)	#10	25 A	2	1.83	0.01					RACK MTS CONTROL (3)	
37 FUTURE CASE CONDENSER (2)	#10	25 A	2		0.51	0.01				RACK DATA COOLING (3)	
39 FUTURE CASE CONDENSER (2)	#10	25 A	2			0.51	0.14			EQUIPMENT COOLER	
41 FUTURE CASE FANS, LTS, AS (2)	#10	25 A	2	1.06	0.14					SAC COOLER	
43 SPACE					0.00	0.14				PLUGS	
45 SPACE						0.00	0.18			DATA SYSTEM RACK	
47 SPACE						0.00	0.36			SHUNT (3)	
49 SPACE						0.00	0.00			SPACE	
51 SPACE						0.00	0.00			SPACE	
53 SPACE						0.00	0.00			SPACE	
55 PANEL LXR (6)	#8	80 A	3	3.64	0.00					SPACE	
57 208/120/3					2.70	0.00				SPACE	
59						0.00	0.00			SPACE	
TOTAL CONNECTED				15.65						15.65	KVA
TOTAL CONNECTED				131.65						131.65	AMPS
TOTAL LOAD				44.52	KVA					23.56	AMPS
PER NEC ARTICLE 220 FEEDER LOAD				39.86	KVA					110.64	AMPS

#### PANELBOARD NOTES

- TERMINATE GROUND ON ISOLATED GROUND BUS
- INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE)
- INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOADS)
- 60A BREAKER FOR PENDING PROTECTION (3)
- 60A BREAKER FOR PENDING PROTECTION (3)
- FACTORY PROVIDED WITH EDC FOR
- FACTORY PROVIDED WITH EDC FOR
- REFER TO WIRE DIAGRAM FOR AVAILABLE FAULT CURRENT INTERLOCK RATINGS
- REFER TO WIRE DIAGRAM FOR WIRE SIZES
- FACTORY WELDED TO LOAD
- REFER TO LIGHTING PLAN FOR WIRE SIZES
- FACTORY CONTACTOR
- FACTORY PROVIDED WITH RED LABEL FOR FIRE ALARM CIRCUIT
- DUAL TAP BREAKER, CONNECT EMERGENCY/NIGHT LIGHTS TO UNSWITCHED TERMINATION
- DESIGNATES "SMART" BREAKER

### L1D2 PANELBOARD

208Y/120 V, 3PH, 4W  
400 A, M.L.O.  
10,000 AIC  
SURFACE MOUNT  
GROUND BUS (BOTH SECTIONS)  
ISOLATED GROUND BUS (BOTH SECTIONS)

SERVES: MISC. POWER  
LOCATION: SITE TO STORE  
PANEL FURNISHED WITH EDC, INSTALLED BY E.C.

DESCRIPTION	WIRE	BRKR	PL	A	B	C	PL	BRKR	WIRE	DESCRIPTION
1 ATM/MGX RECEIPTS	20 A	1		0.84	0.72					CUSTOMER SERVICE CAV
3 EAS (3)	20 A	1			1.14	1.28				CUSTOMER SERVICE RECEIPTS
5 INTERIOR SERVICE KIOSK (4)	20 A	1				1.44	0.54			CUSTOMER SERVICE CAV
7 INTERIOR SERVICE KIOSK (4)	20 A	1		1.44	1.08					CASH OFFICE RECEIPTS
9 SPARE	20 A	1			0.00	0.90				OFFICE RECEIPTS
11 MOTORIZED CARTS (6)	#10	20 A	1			0.72	0.80			TRAINING RECEIPTS
13 INSECT CONTROL / SPRINKLER	20 A	1		0.36	0.54					TRAINING RECEIPTS
15 HOT WATER	20 A	1			0.16	0.17				TRAINING TABLE PRINTER
17 EXTERIOR RECEIPTS	20 A	1			0.18	1.02				MANAGER'S PRINTER
19 INTERIOR DOOR OPERATOR (2)	20 A	1		0.50	1.02					CASH RECYCLER
21 INTERIOR DOOR OPERATOR (2)	20 A	1			0.50	1.20				FRONT CASH WRAP
23 EXTERIOR DOOR OPERATOR (2)	20 A	1			0.60	1.32				FRONT CASH WRAPS
25 EXTERIOR DOOR OPERATOR (2)	20 A	1		0.60	0.66					SELF CHECKOUTS
27 EXTERIOR VENDING (4.6)	#10	20 A	1		1.44	0.25				SELF CHECKOUTS
29 EXTERIOR VENDING (4.6)	#10	20 A	1			1.44	0.25			SELF CHECKOUTS
31 EXTERIOR VENDING (4.6)	#10	20 A	1	1.44	0.48					SELF CHECKOUTS
33 REDBOX (3)	20 A	1			0.78	0.48				SELF CHECKOUTS
35 REDBOX (4)	20 A	1			0.78	0.96				SELF CHECKOUTS
37 LOTTERY MACHINE (4)	20 A	1		0.17	0.89					SELF CHECKOUTS / COOLER
39 LOTTERY MACHINE	20 A	1			0.36	0.61				PAYSTATION / COOLER
41 BUILDING SIGNAGE (2.6,11)	#10	20 A	1			0.80	0.20			SHA CIGARETTES
43 CONTRACTOR CT	20 A	1		0.01	0.69					SPACE
45 (E) (TOILETS)	15 A	1			0.96	0.96				SELF CHECKOUTS / COOLER (6)
47 EWIC'S (4)	20 A	1			0.48	0.50				SELF CHECKOUTS
49 MEN'S HAND DRYER (2)	20 A	1		1.50	0.96					SELF CHECKOUTS (6)
51 WOMEN'S HAND DRYER (2)	20 A	1			1.50	1.50				HAND DRYER (2)
53 BRK ROOM / OFFICE / FLT. LTG	20 A	1			0.70	1.30				HAND DRYER (2)
55 VESTIBULE FUEL PRICE SIGN	20 A	1		0.36	0.00					SPACE
57 TRAINING RECEIPTS	20 A	1			0.00	0.00				SPACE
59 TRAINING RECEIPTS	20 A	1			0.00	0.00				SPACE
61 MANAGERS OFFICE RECEIPTS	20 A	1		1.08	0.00					SPACE
63 CASH RECEIPTS	20 A	1			1.08	1.20				480V1
65 MOBILE SINK RECEIPT	20 A	1			1.56	1.00				480V1
67 MOBILE SINK WATER HEATER (2)	20 A	1		1.50	1.22					RTU5 1.6 RECEIPTS (6)
69 ISF CABINET (6)	#6	20 A	1			1.44	0.36			18A REASONAL
71 PRODUCE MISTING	20 A	1		0.18	0.72					RIO PRESSURE SYSTEM (6)
73 LPTV	20 A	1			0.18	1.55				PANEL L1U (1,3)
75 ICE MAKER	#10	30 A	2	1.87	0.18					1302401
77 ICE MAKER	#10	30 A	2	1.87	2.49					MONEY FASTRY DISPLAY (4)
79 ICE MAKER	#10	30 A	2	1.87	2.49					MONEY COFFEE BREWER (2,4)
81 1202081	#10	30 A	2	1.87	2.49					1202081
83 ICE BAGGER	20 A	1		0.24	2.48					MONEY COFFEE BREWER (2,4)
85 ICE MERCHANT (6)	#10	20 A	1		1.20	2.49				1202081
87 SPRINKLER ROOM LIGHTING	20 A	1		0.64	0.78					MONEY HOT BEV DISPENSER (4,6)
89 UPR WORKSTATION	20 A	1			0.90	0.78				MONEY FREAL FREEZER (4,6)
91 UPR RECEIPTS / DESK	20 A	1			0.54	1.68				MONEY FREAL FREEZER (4,6)
93 TELEPHONE BOARD (3)	20 A	1		1.26	2.50					MONEY ICEE MACHINE (4)
95 FIRE ALARM BOARD (3,12)	20 A	1			1.60	2.50				MONEY COFFEE MACHINE (4)
97 FIRE ALARM BOARD (3,12)	20 A	1			1.60	2.50				MONEY HOT BEV DISPENSER (4)
99 FIRE ALARM BOARD (3,12)	20 A	1			1.60	2.50				MONEY COFFEE MACHINE (4)
101 FIRE ALARM BOARD (3,12)	20 A	1			1.60	2.50				MONEY HOT BEV DISPENSER (4)
103 AC (CART STORAGE) (6)	#8	15 A	1	1.00	2.00					MONEY COFFEE MACHINE (4)
105 SPACE					0.00	0.84				MONEY COFFEE MACHINE (4)
107 SPACE					0.00	0.50				MONEY COFFEE MACHINE (4)
109 SPACE					0.00	1.66				MONEY COFFEE MACHINE (4)
111 SPACE					0.00	0.00				SPACE
113 SPACE					0.00	0.00				SPACE
115 SPACE										