

**CHA** 120/208V, 3PH, 4W  
100A MAIN LUGS ONLY  
10,000 AIC  
GROUND BAR  
SURFACE MOUNT

LOCATION: COMPRESSOR RACK "A"  
SERVES: REFRIGERATED CASE FANS, LIGHTS, RECEPTACLES, & AS HEATERS  
ROUTE CASE LIGHTS VIA LIGHTING CONTACTOR PROVIDED WITH COMPRESSOR RACK

DESCRIPTION	WIRE BRKR/PL	KVA			PL BRKR WIRE	DESCRIPTION		
		A	B	C				
1 e-2 case fans (13)	20 1	0.22	0.18		1 20	a-2 case receptacle (13)	2	
3 a-2 case fans (13)	20 1		1.25	0.18	1 20	a-3 case receptacle (13)	4	
5 a-2 case fans (13)	20 1			0.55	0.18	1 20	a-4 case receptacle (13)	6
7 a-3 case fans (13)	20 1	1.77	0.18		1 20	a-5 case receptacle (13)	8	
9 a-3 case fans (13)	20 1		0.77	0.18	1 20	a-6 case receptacle (13)	10	
11 a-3 case fans (13)	20 1			0.31	0.18	1 20	a-7 case receptacle (13)	12
13 a-4 fans & air hrs (13)	20 1	0.08	0.18		1 20	a-8 case receptacle (13)	14	
15 a-5 fans & air hrs (13)	20 1		0.23	0.18	1 20	a-9 case receptacle (13)	16	
17 a-6 fans & air hrs (13)	20 1			0.08	0.00	1 20	space	18
19 a-7 fans & air hrs (13)	20 1	0.35	0.00		1 20	space	20	
21 a-9 fans & air hrs (13)	20 1		0.26	0.00	1 20	space	22	
23 A-10 FANS & AIR HRS	20 1			0.37	0.00	1 20	space	24
25 A-10 CASE LIGHTS	20 1	0.03	0.00		1 20	space	26	
27 space	20 1		0.00	0.18	1 20	a-1 ems controller (13)	28	
29 space	20 1				1 20	a-9 ems controller (13)	30	
TOTAL CONNECTED		2.99	3.23			KVA		
TOTAL CONNECTED		24.93	26.92			AMPS		
TOTAL LOAD		8.07				KVA	22.41	
PER NEC ARTICLE 220 FEEDER LOAD		8.41				KVA	23.34	

**LHC** 120/208V, 3PH, 4W  
100A MAIN LUGS ONLY  
10,000 AIC  
GROUND BAR  
ISOLATED GROUND BAR  
FLUSH MOUNT

LOCATION: HAIR CARE  
SERVES: HAIR CARE

DESCRIPTION	WIRE BRKR/PL	KVA			PL BRKR WIRE	DESCRIPTION		
		A	B	C				
1 styling bar (13)	20 1	1.80	1.80		1 20	styling bar (13)	2	
3 styling bar (13)	20 1		1.60	1.80	1 20	styling bar (13)	4	
5 styling bar (13)	20 1			1.80	0.60	1 20	styling bar (13)	6
7 space	20 1	0.00	0.18		1 20	future track lighting (13)	8	
9 space	20 1		0.00	0.93	1 20	cash wrap (13)	10	
11 space	20 1			0.00	0.40	1 20	cash wrap (13)	12
13 space	20 1	0.00	0.18		1 20	cash wrap (13)	14	
15 clothes dryer (13)	10 30 2		2.50	0.36	1 20	cash wrap (13)	16	
17 space	20 1			2.60	0.18	1 20	cash wrap (13)	18
19 receptacle (13)	20 1	0.18	0.00		1 20	space	20	
21 stereo recept (13)	20 1		0.18	0.00	1 20	space	22	
23 space	20 1			0.00	0.00	1 20	space	24
25 space	20 1	0.00	0.00		1 20	space	26	
27 space	20 1		0.00	0.00	1 20	space	28	
29 space	20 1			0.00	0.00	1 20	space	30
TOTAL CONNECTED		4.14	7.57			KVA		
TOTAL CONNECTED		34.50	63.06			AMPS		
TOTAL LOAD		17.19				KVA	47.71	
PER NEC ARTICLE 220 FEEDER LOAD		17.44				KVA	48.41	

**L4D1** 120/208V, 3PH, 4W  
TWO SECTIONS: 225A SUB-FEED LUGS  
10,000 AIC  
GROUND BAR  
ISOLATED GROUND BAR  
SURFACE MOUNT

LOCATION: EDCA  
SERVES: BAKERY AND DELI

DESCRIPTION	WIRE BRKR/PL	KVA			PL BRKR WIRE	DESCRIPTION		
		A	B	C				
1 m04 scale (13)	6 20 1	0.38	0.02		1 20	contactor c4/c5 ctrl (13)	2	
3 r/o water / recept (13)	6 20 1		0.97	0.10	1 20	reblood freezer lg (13)	4	
5 reblood freezer hrs (13)	20 1			0.22	0.48	1 20	reblood freezer lg (13)	6
7 meat cooler heaters (13)	20 1	0.32	1.00		1 20	pics	8	
9 rollback door (13)	6 20 1		1.20	1.22	1 20	10 rfu 15, rfu2, rack e (13)	10	
11 rollback door (13)	8 20 1			1.20	1.22	1 20	ah11, racks a,b,c,d	12
13 p05 wrapper / I.C. (13)	20 1	1.14	0.72		1 20	wh / recirc pumps (2,13)	14	
15 p05 scale / recept (13)	20 1		0.38	0.00	1 20	space	16	
17 r/o water filtration (13)	20 1			0.38	0.00	1 20	space	18
19 r/o water filtration (13)	20 1	0.38	0.00		1 20	space	20	
21 SPARE	20 1		0.00	0.00	1 20	space	22	
23 space	20 1		0.00	0.00	1 20	space	24	
25 space	20 1	0.00	0.00		1 20	space	26	
27 space	20 1		0.00	0.00	1 20	space	28	
29 space	20 1			0.00	0.00	1 20	space	30
31 space	20 1	0.00	3.34		1 20	0499 pizza oven (13)	32	
33 space	20 1		0.00	3.34	1 20	space	34	
35 space	20 1			0.00	0.00	space	36	
37 cooler (13)	20 2	1.20	0.00		1 20	0499 2-in-1 tip breaker	38	
39	20 2		1.20	2.97	3 35	d59f recessed (13)	40	
41 cooler (13)	20 2				1 20	space	42	
43 space	20 1	1.20	2.97		1 20	d59f shunt-trip breaker	44	
45 space	20 1		0.00		1 20	space	46	
47 space	20 1		0.00		3 35	d59f shunt-trip breaker	48	
49 SPARE	20 2	0.00	2.97		1 20	space	50	
51	20 1			2.97	1 20	space	52	
53 d59 convection oven (13)	6 30 1	3.60	2.53	3.60	3 30	d59f shunt-trip breaker	54	
55	20 1			0.00	2.53	HOT FOOD CASE (19)	56	
57	20 1				20.09	space	58	
59 d59 shunt-trip breaker	20 1				20.09	space	60	
TOTAL CONNECTED		21.73	20.48			KVA		
TOTAL CONNECTED		61.11	170.48			AMPS		
TOTAL LOAD		18.53				KVA	172.88	
PER NEC ARTICLE 220 FEEDER LOAD		18.53				KVA	172.88	

**CHB** 120/208V, 3PH, 4W  
100A MAIN LUGS ONLY  
10,000 AIC  
GROUND BAR  
SURFACE MOUNT

LOCATION: COMPRESSOR RACK "B"  
SERVES: REFRIGERATED CASE FANS, LIGHTS, RECEPTACLES, & AS HEATERS  
ROUTE CASE LIGHTS VIA LIGHTING CONTACTOR PROVIDED WITH COMPRESSOR RACK

DESCRIPTION	WIRE BRKR/PL	KVA			PL BRKR WIRE	DESCRIPTION		
		A	B	C				
1 b-1 case fans (13)	20 1	0.20	1.15		1 20	b-9 case air hrs (13)	2	
3 b-1 case fans (13)	20 1		1.15	0.50	1 20	b-9 case lights (13)	4	
5 b-1 case fans (13)	20 1			0.50	0.20	1 20	b-9 case fans (13)	6
7 b-2 case fans (13)	20 1	1.45	0.50		1 20	b-10 case lights (13)	8	
9 b-2 case fans (13)	20 1		0.64	0.20	1 20	b-10 case fans (13)	10	
11 b-2 case fans (13)	20 1			0.36	1.15	1 20	b-10 case air hrs (13)	12
13 b-4 case fans (13)	20 1	0.84	0.26		1 20	b-11 case fans (13)	14	
15 b-4 case fans (13)	20 1		0.26	0.64	1 20	b-11 case lights (13)	16	
17 b-5 case fans (13)	20 1			1.45	1.45	1 20	b-11 case air hrs (13)	18
19 b-5 case fans (13)	20 1	0.20	0.00		1 20	space	20	
21 b-5 case fans (13)	20 1		1.15	0.00	1 20	space	22	
23 b-5 case fans (13)	20 1			0.50	0.00	1 20	space	24
25 space	20 1	0.00	0.00		1 20	space	26	
27 space	20 1			0.00	0.00	1 20	space	28
29 space	20 1			0.00	0.00	1 20	space	30
31 b-7 case fans (13)	20 1	0.41	0.00		1 20	space	32	
33 b-7 case fans (13)	20 1		0.17	0.18	1 20	b-1 case receptacle (13)	34	
35 b-7 case fans (13)	10 20 1			0.93	0.18	1 20	b-5 case receptacle (13)	36
37 b-8 case fans (13)	20 1	0.26	0.18		1 20	b-9 case receptacle (13)	38	
39 b-8 case fans (13)	20 1		1.45	0.18	1 20	b-10 case receptacle (13)	40	
41 b-8 case fans (13)	20 1			0.64	0.18	1 20	b-3 ems controller (13)	42
TOTAL CONNECTED		5.25	6.52			KVA		
TOTAL CONNECTED		43.75	54.33			AMPS		
TOTAL LOAD		19.31				KVA	53.60	
PER NEC ARTICLE 220 FEEDER LOAD		20.35				KVA	57.05	

**LRX** 120/208V, 3PH, 4W  
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GROUND BAR  
ISOLATED GROUND BAR  
FLUSH MOUNT

LOCATION: PHARMACY  
SERVES: PHARMACY

DESCRIPTION	WIRE BRKR/PL	KVA			PL BRKR WIRE	DESCRIPTION		
		A	B	C				
1 ef / receptacles (13)	20 1	0.55	0.36		1 20	FRONT CNTR RECEP (19)	2	
3 receptacle (13)	20 1		0.18	0.54	1 20	FRONT CNTR RECEP (19)	4	
5 receptacles (13)	20 1			0.90	0.54	1 20	FRONT CNTR RECEP (19)	6
7 laser printer (13)	20 1	0.68	0.18		1 20	HSR COMPUTER (19)	8	
9 400WDC DROPS (19)	20 1		0.79	0.06	1 20	HSR LIGHTING (19)	10	
11 WATER HEATER (2, 15)	10 25 1			2.00	0.18	1 15	HSR RECEP (19)	12
13 FRONT CNTR RECEP (19)	20 1	0.36	0.50		1 20	DIGITAL DISPLAY (19)	14	
15 FRONT CNTR RECEP (19)	20 1		0.72	1.06	1 20	receptacles (13)	16	
17 FRONT CNTR RECEP (19)	20 1			0.36	0.54	1 20	RECEPTACLES (19)	18
19 REFRIGERATOR	20 1	0.50	0.96		1 20	count rolling closure (13)	20	
21 SIDE COUNTER RECEP (1)	20 1		0.54	0.90	1 20	counters (13)	22	
23 SIDE COUNTER RECEP (1)	20 1			0.36	0.24	1 20	blood press 400 rx dem (13)	24
25 SIDE COUNTER RECEP (1)	20 1	0.18	0.00		1 20	space	26	
27 SIDE COUNTER RECEP (1)	20 1		0.18	0.00	1 20	space	28	
29 SIDE COUNTER RECEP (1)	20 1			0.36	0.00	1 20	space	30
TOTAL CONNECTED		4.28	5.00			KVA		
TOTAL CONNECTED		35.67	41.63			AMPS		
TOTAL LOAD		14.76				KVA	38.96	
PER NEC ARTICLE 220 FEEDER LOAD		14.87				KVA	39.16	

**L4D2** 120/208V, 3PH, 4W  
TWO SECTIONS: 400A SUB-FEED LUGS  
10,000 AIC  
GROUND BAR  
ISOLATED GROUND BAR  
SURFACE MOUNT

LOCATION: EDCA  
SERVES: BAKERY AND DELI

DESCRIPTION	WIRE BRKR/PL	KVA			PL BRKR WIRE	DESCRIPTION		
		A	B	C				
1 freezer box hrs (13)	20 1	0.72	0.60		1 20	DOOR OPERATORS (19)	2	
3 s24 scale/s25 printer (13)	20 1		0.36	0.60	1 20	DOOR OPERATORS (19)	4	
5 bakery receptacles (13)	20 1			0.54	0.60	1 20	DOOR OPERATORS (19)	6
7 s23 wrap warmer (13)	15 2	0.90	0.60		1 20	DOOR OPERATORS (19)	8	
9	20 1		0.60	0.57	1 20	ese (13)	10	
11 B49 DONUT MACHINE (19)	6 40 2			3.36	0.54	1 20	win greiner cabinet (13)	12
13	20 1	3.35	0.73		1 20	redbox (13)	14	
15 s20 scanner / s21 printer (13)	20 1		0.72	0.75	1 20	vending machines (13)	16	
17 space	20 1			0.00	0.75	1 20	vending machines (13)	18
19 ef (aroma) (13)	20 1	0.53	0.75		1 20	vending machines (13)	20	
21 s43a rack oven ctrl (13)	15 1		1.13	0.75	1 20	vending machines (13)	22	
23 s07a bread slicer (13)	20 1			1.16	0.72	1 20	motorized carts (13)	24
25 s07a bread slicer (13)	20 1	1.18	0.40		1 20	wh / carl storage (13)	26	
27 s04 scale / recept (13)	20 1		0.36	0.90	1 15	wh / gr vestibule (13)	28	
29 s40a rack oven ctrl (13)	10 20 1			1.02	0.90	1 15	wh / gr vestibule (13)	30
31 B005D CONTROL (19)	8 45 2	0.60	1.00		1 20	blower motor (13)	32	
33 frozen cake case (13)	8 45 2		3.58	0.00	1 20	SPARE	34	
35	20 1			3.28	0.00	1 20	space	36
37 s43a rack oven (13)	6 70 3	6.00	0.00		1 20	space	38	
39	20 1		6.00	0.00	1 20	space	40	
41	20 1			6.00	0.00	2 30	8 ice maker (13)	42
43 deli receptacles (13)	10 20 1	1.08	1.87		1 20	space	44	
45 deli receptacles (13)	20 1		0.68	1.87	1 20	30 ice maker (13)	46	
47 poultry cooler hrs (13)	20 1			0.31	1.87	2 30	8 ice maker (13)	48
49 s07 slicer (13)	10 20 1	1.18	1.87		1 20	space	50	
51 s05 wrapper (13)	10 20 1		0.96	0.24	1 20	ice bagger (13)	52	
53 s04 scale/recept (13)	20 1			0.36	1.56	1 20	ice merchandiser (13)	54
55 s07.1 slicer (13)	10 20 1	1.18	0.00		1 20	space	56	
57 s05.1 wrapper (13)	10 20 1		0.96	0.00	1 20	space	58	
59 s07.1 slicer (13)	10 20 1			1.16	0.00	1 20	space	60
61 s17 microwave (13)	8 20 1	1.58	0.00		1 20	space	62	
63 s17 microwave (13)	15 1		0.96	0.00	1 20	space	64	
65 s17 microwave (13)	10 30 1			2.65	0.38	1 20	phant drive-thru (13)	66
67 s12 lights (13)								