## SWBD: MDP

AMP RATING: 2000A — MANUFACTURER: GE — A/C RATING: 100,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: AV-LINE — MOUNTING: SURFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | OVERCURRENT DEVICE TRIP | FRAME | POLE | CIRC. NO. | PH | CIRC. NO. | OVERCURRENT DEVICE POLE | FRAME | TRIP | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | R | COMPRESSOR RACK B | 33.43 | 350 | 400 | 3 | 1 | A | 2 | 3 | 800 | 300 | 17.33 | ACU-2 | AC | | |
| | | R | | 33.45 | | | | | B | | | | | 17.33 | | AC | | |
| | | R | | 33.43 | | | | | C | | | | | 17.33 | | AC | | |
| | 1 | R | COMPRESSOR RACK A | 37.29 | 400 | 400 | 3 | 3 | A | 4 | | | | | SPACE | | | |
| | | R | | 37.29 | | | | | B | | | | | | | | | |
| | | R | | 37.29 | | | | | C | | | | | | | | | |
| | | | MDP SECTION 2 | 78.19 | 1200 | 1200 | 3 | 5 | A | 6 | 3 | | | 81.77 | PANEL DP1 | | 1 | |
| | | | | 83.25 | | | | | B | | | | | 75.60 | (600A DISC TAPPED | | | |
| | | | | 74.93 | | | | | C | | | | | 71.79 | FROM BUSS) | | | |
| | | | SPARE | | | 100 | 3 | 1 | A | 2 | 3 | 60 | | | SPARE | | | |
| | | | | | | | | | B | | | | | | | | | |
| | | | | | | | | | C | | | | | | | | | |
| | 1 | | PANEL C | 5.74 | 175 | 200 | 3 | 3 | A | 4 | 3 | 200 | 175 | 8.79 | PANEL E | | 1 | |
| | | | | 4.38 | | | | | B | | | | | 8.16 | | | | |
| | | | | 4.25 | | | | | C | | | | | 7.68 | | | | |
| | | | SPARE | | | 400 | 3 | 5 | A | 6 | 3 | 200 | 200 | 4.13 | PANEL B | | 1 | |
| | | | | | | | | | B | | | | | 2.72 | | | | |
| | | | | | | | | | C | | | | | 2.68 | | | | |
| | 1 | | PANEL DB | 8.81 | 400 | 400 | 3 | 7 | A | 8 | 3 | 400 | 225 | 20.90 | PANEL F | | 1 | |
| | | | | 17.40 | | | | | B | | | | | 20.47 | | | | |
| | | | | 12.72 | | | | | C | | | | | 20.47 | | | | |
| | 1 | | PANEL G | 15.99 | 300 | 400 | 3 | 9 | A | 10 | 3 | 100 | 90 | 3.86 | PANEL L | | 1 | |
| | | | | 14.45 | | | | | B | | | | | 4.62 | | | | |
| | | | | 16.33 | | | | | C | | | | | 2.02 | | | | |
| | | | SPACE | | | | | 11 | A | 12 | 3 | 100 | 100 | 10.46 | PANEL EM VIA ATS | | 1 | |
| | | | | | | | | | B | | | | | 10.04 | | | | |
| | | | | | | | | | C | | | | | 9.47 | | | | |

## PANEL: EM

AMP RATING: 100A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: 100A MCB — TYPE: A-SERIES — MOUNTING: SURFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | L | LTG - FRONT END (LB) | 0.96 | | | | 20 | 1 | 1 | A | 2 | 3 | 70 | | | | 6.03 | PANEL A | | 1 | |
| | 1 | L | LTG - BACK OF STORE (LB) | 0.84 | | | | 20 | 1 | 3 | B | 4 | - | - | | | | 5.46 | | | | |
| | 1 | L | LTG - DELI/BAKERY (LB) | 0.33 | | | | 20 | 1 | 5 | C | 6 | - | - | | | | 5.26 | | | | |
| | 8 | | SPARE | | | | | 20 | 1 | 7 | A | 8 | 3 | 20 | | | | 0.72 | LIGHTS SALES AREA | L | 1 | |
| | 1 | L | EXISTING CIRCUIT | 0.24 | | | | 20 | 1 | 9 | B | 10 | - | - | | | | 0.72 | | L | | |
| | 1 | L | LIGHTS STOCK PREP ROOM | 0.36 | | | | 20 | 1 | 11 | C | 12 | - | - | | | | 0.72 | | L | | |
| | 1 | L | EXIT LIGHTS | 0.36 | | | | 20 | 1 | 13 | A | 14 | 1 | 20 | | | | 0.50 | LIGHTS SALES AREA | L | 5 | |
| | 1 | L | EXIT LIGHTS | 0.36 | | | | 20 | 1 | 15 | B | 16 | 2 | 20 | | | | 0.50 | LIGHTS SALES AREA | L | 1 | |
| | 1 | L | MOTOR ROOM LIGHTS | 0.44 | | | | 20 | 1 | 17 | C | 18 | - | - | | | | 0.50 | | L | 1 | |
| | 1 | L | STOCK ROOM LIGHTS | 0.50 | | | | 20 | 1 | 19 | A | 20 | 1 | 20 | | | | 0.50 | BATTERY PACKS | L | 1 | |
| | 1 | L | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | L | 1 | |
| | 1 | L | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 23 | C | 24 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | L | 1 | |

| | | |
|---|---|---|
| NEC KVA | 29 | |
| NEC AMPS | 80 | |
| Ø A NEC KVA / AMPS | 10 | 87 |
| Ø B NEC KVA / AMPS | 10 | 84 |
| Ø C NEC KVA / AMPS | 9 | 79 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 10.6 | 13.2 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 12.5 | 11.2 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 0.0 | 0.0 | 0.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 0.0 | 0.0 | 1.00 |
| CONTINUOUS (C) | 0.1 | 0.1 | 1.25 |
| NON CONTINUOUS (N) | 4.2 | 4.2 | 1.00 |
| TOTAL | 27.3 | | |
| NEC TOTAL DEMAND | | 28.7 | |

NOTE:
PANEL A LOAD INCLUDED IN PANEL EM LOAD ANALYSIS.

## PANEL: A

AMP RATING: 100A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — W/ IG & 200% NEUTRAL — MAINS: 70A MCB — TYPE: A-SERIES — MOUNTING: FLUSH

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | REC | CHECKOUT | 0.36 | | | | 20 | 1 | 1 | A | 2 | 1 | 20 | | | | 0.50 | CCTV MONITORS - STORE MNG | REC | 1 | |
| | 9 | REC | CHECKOUT | 0.36 | | | | 20 | 1 | 3 | B | 4 | 1 | 20 | | | | 0.20 | UPS SYSTEM - STORE MNG | REC | 1 | |
| | 9 | REC | CHECKOUT | 0.18 | | | | 20 | 1 | 5 | C | 6 | 1 | 20 | | | | 0.40 | CAMERA POWER - STORE MNG | REC | 1 | |
| | 6 | | SPARE | | | | | 20 | 1 | 7 | A | 8 | 1 | 20 | | | | 0.75 | CLIENT COMPUTER - DSD | REC | 1 | |
| | 1 | REC | SAFE POWER | 1.00 | | | | 20 | 1 | 9 | B | 10 | 1 | 20 | | | | 0.40 | PRINTERS - DSD | REC | 1 | |
| | 1 | REC | RECEP - ACCOUNTING | 0.18 | | | | 20 | 1 | 11 | C | 12 | 1 | 20GFI | | | | 0.60 | SCALES - DELI/BAKERY | N | 5,9 | |
| | 1 | REC | REFRIG ALARM PANEL | 0.50 | | | | 20 | 1 | 13 | A | 14 | 1 | 20GFI | | | | 0.60 | SCALES - DELI/BAKERY | N | 5,9 | |
| | 1 | REC | UPS SYSTEM #1 | 0.20 | | | | 20 | 1 | 15 | B | 16 | 1 | 20 | | | | 0.75 | CLIENTS COMPUTER | REC | 1 | |
| | 1 | REC | UPS SYSTEM#2 | 0.20 | | | | 20 | 1 | 17 | C | 18 | 1 | 20 | | | | 0.75 | CLIENTS COMPUTER | REC | 1 | |
| | 1 | REC | ATM MACHINE | 0.30 | | | | 20 | 1 | 19 | A | 20 | 1 | 20 | | | | 0.40 | PRINTER | REC | 1 | |
| | 1 | REC | REGISTER - CUST SERVICE | 0.40 | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | 0.70 | CLIENTS COMPUTER | REC | 1 | |
| | 1 | N | JACKET HEATER - GENERATOR | 1.50 | | | | 20 | 1 | 23 | C | 24 | 1 | 20 | | | | 0.30 | SCALE - PRODUCE PREP | N | 1 | |
| | 1 | N | BATTERY CHARGER - GEN | 0.40 | | | | 20 | 1 | 25 | A | 26 | 1 | 20 | | | | 0.40 | REMOTE DATA SWITCH | REC | 1 | |
| | 4 | REC | USCAN(S) | 0.72 | 10 | 10 | 10 | 20 | 1 | 27 | B | 28 | 1 | 20 | | | | 0.04 | FIRE ALARM CONTROL PANEL | C | 1 | |
| | 4 | REC | USAN(S) | 0.72 | 10 | 10 | 10 | 20 | 1 | 29 | C | 30 | 1 | 20 | | | | 0.04 | SECURITY ALARM PANEL | C | 1 | |
| | 4 | REC | USCAN ATTENDANT STATION | 0.36 | 10 | 10 | 10 | 20 | 1 | 31 | A | 32 | 1 | 20 | | | | 0.56 | ALTRONIX POWER SUPPLY | REC | 1 | |
| | | | SPARE | | | | | 20 | 1 | 33 | B | 34 | 1 | 20 | | | | 0.48 | RADONICS POWER SUPPLY | REC | 1 | |
| | | | SPARE | | | | | 20 | 1 | 35 | C | 36 | 1 | 20 | | | | | SPARE | | | |
| | 1 | N | SURGE SUPRESSOR | 0.20 | | | | 20 | 3 | 37 | A | 38 | 1 | 20 | | | | | SPARE | | | |
| | | N | | 0.20 | | | | - | - | 39 | B | 40 | 1 | 20 | | | | | SPARE | | | |
| | | N | | 0.20 | | | | - | - | 41 | C | 42 | 1 | 20 | 12 | 12 | 12 | 0.20 | EMS I/O BRD POWER | N | 4 | |

| | | |
|---|---|---|
| NEC KVA | 16 | |
| NEC AMPS | 43 | |
| Ø A NEC KVA / AMPS | 6 | 50 |
| Ø B NEC KVA / AMPS | 5 | 46 |
| Ø C NEC KVA / AMPS | 5 | 44 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 0.0 | 0.0 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 12.5 | 11.2 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 0.0 | 0.0 | 0.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 0.0 | 0.0 | 1.00 |
| CONTINUOUS (C) | 0.1 | 0.1 | 1.25 |
| NON CONTINUOUS (N) | 4.2 | 4.2 | 1.00 |
| TOTAL | 16.8 | | |
| NEC TOTAL DEMAND | | 15.5 | |

## PANEL: C

AMP RATING: 175A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NLAB — MOUNTING: SURFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | L | LIGHTING - SALES AREA (ON) | 0.53 | | | | 20 | 2 | 1 | A | 2 | 1 | 20 | | | | 0.98 | LIGHTING - DELI/BAKERY (a) | L | 1 | |
| | | L | | 0.53 | | | | - | - | 3 | B | 4 | 1 | 20 | | | | 1.00 | LIGHTING - DELI/BAKERY (b) | L | 1 | |
| | 1 | L | LIGHTING - SALES AREA (ON) | 0.52 | | | | 20 | 2 | 5 | C | 6 | 2 | 20 | | | | | SPARE | | | |
| | | L | | 0.52 | | | | - | - | 7 | A | 8 | | | | | | | SPARE | | | |
| | 1 | L | LIGHTING - SALES AREA (ON) | 0.34 | | | | 20 | 2 | 9 | B | 10 | 2 | 20 | | | | 0.37 | LIGHTING - SALES AREA (OFF) | L | 1 | |
| | | L | | 0.34 | | | | - | - | 11 | C | 12 | - | - | | | | 0.37 | | | | |
| | 1 | L | LIGHTING- SALES AREA (ON) | 0.37 | | | | 20 | 1 | 13 | A | 14 | 2 | 20 | | | | 0.34 | LIGHTING - SALES AREA [illegible] | L | [illegible] | |
| | | L | | 0.37 | | | | 20 | 1 | 15 | B | 16 | - | - | | | | 0.34 | | L | | |
| | 1 | L | LIGHTING - SALES AREA (ON) | 0.41 | | | | 20 | 1 | 17 | C | 18 | 2 | 20 | | | | 0.37 | LIGHTING - SALES A[illegible] | L | | |
| | | L | | 0.41 | | | | 20 | 1 | 19 | A | 20 | - | - | | | | 0.37 | | L | | |
| | | | SPARE | | | | | 30 | 1 | 21 | B | 22 | 2 | 20 | | | | 0.56 | LIGHTING - SALES AREA [illegible] | L | 9 | |
| | 1 | L | LIGHTING - FRONT OFFICE | 0.83 | | | | 20 | 1 | 23 | C | 24 | - | - | | | | 0.56 | | | | |
| | 1 | L | LIGHTING - ENTRY VESTIBULE | 1.17 | | | | 20 | 1 | 25 | A | 26 | 1 | 20 | | | | | SPARE | | | |
| | | | SPARE | | | | | 30 | 1 | 27 | B | 28 | 1 | 20 | | | | | SPARE | | | |
| | | | SPARE | | | | | 30 | 1 | 29 | C | 30 | 1 | 20 | | | | | SP[illegible] | | | |

| | | |
|---|---|---|
| [illegible] KVA | [illegible] | |
| [illegible] AMPS | [illegible] | |
| Ø A NEC KVA / AMPS | 6 | 48 |
| Ø B NEC KVA / AMPS | 4 | 37 |
| Ø C NEC KVA / AMPS | 4 | 35 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 11.5 | 14.4 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 0.0 | 0.0 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 0.0 | 0.0 | 0.0[illegible] |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | [illegible] |
| REFRIGERATION (R) | 0.0 | 0.0 | [illegible] |
| CONTINUOUS (C) | 0.0 | 0.0 | [illegible] |
| NON CONTINUOUS (N) | 0.[illegible] | 0.0 | [illegible] |
| TOTAL | 11[illegible] | | |
| NEC TOTAL DEMAND | | 14.4 | |

## PANEL: E

AMP RATING: 175A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NLAB — MOUNTING: SURFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | L | STOCKROOM LIGHTING | 1.00 | | | | 20 | 1 | 1 | A | 2 | 1 | 20 | | | | 0.20 | EXISTING CIRCUIT | N | 1 | |
| | 1 | REC | COFFEE GRINDER RECEPT | 1.00 | | | | 20 | 1 | 3 | B | 4 | 1 | 20 | | | | 0.20 | EXISTING CIRCUIT | N | 1 | |
| | 1 | L | MEAT DEPT LIGHTS | 0.89 | | | | 20 | 1 | 5 | C | 6 | 1 | 20 | | | | 0.20 | WATER COOLERS | HW | 1 | |
| | 1 | L | LIGHTING - PREP ROOMS (b) | 1.00 | | | | 20 | 1 | 7 | A | 8 | 1 | 20 | | | | 0.54 | BREAK ROOM RECEPT | REC | 1 | |
| | 1 | L | STOCKROOM LIGHTING | 0.75 | | | | 20 | 1 | 9 | B | 10 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 3 | L | LIGHTING - EXTERIOR | 0.30 | 12 | 12 | 12 | 20 | 1 | 11 | C | 12 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 13 | A | 14 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 30 | 1 | 15 | B | 16 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 17 | C | 18 | 1 | 30 | | | | 0.54 | FRONT WALL MEAT PREP | REC | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 19 | A | 20 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 23 | C | 24 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 25 | A | 26 | 1 | 30 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 27 | B | 28 | 2 | 30 | | | | 2.04 | MEAT WRAPPER | K | 1 | |
| | 9,11 | HW | WATER HEATERS | 0.20 | | | | 20 | 1 | 29 | C | 30 | | | | | | 2.04 | | K | | |
| | 1 | N | CIRCULATING PUMP | 1.00 | | | | 20 | 1 | 31 | A | 32 | 2 | 30 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 33 | B | 34 | | | | | | 0.50 | | N | | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 35 | C | 36 | 1 | 20 | | | | 0.72 | DSD HEATER | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 37 | A | 38 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 39 | B | 40 | 1 | 20 | | | | 0.50 | EXISTING CIRCUIT | N | 1 | |
| | | | SPACE | | | | | | | 41 | C | 42 | | | | | | | SPACE | | | |

| | | |
|---|---|---|
| NEC KVA | 26 | |
| NEC AMPS | 71 | |
| Ø A NEC KVA / AMPS | 9 | 73 |
| Ø B NEC KVA / AMPS | 9 | 76 |
| Ø C NEC KVA / AMPS | 8 | 69 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 3.9 | 4.9 | 1.25 |
| KITCHEN EQUIPMENT (K) | 4.1 | 4.1 | 1.00 |
| RECEPTACLES (REC) | 2.1 | 2.1 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.4 | 0.4 | 1.00 |
| AIR CONDITIONING (AC) | 0.0 | 0.0 | 0.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 0.0 | 0.0 | 1.00 |
| CONTINUOUS (C) | 0.0 | 0.0 | 1.25 |
| NON CONTINUOUS (N) | 14.2 | 14.2 | 1.00 |
| TOTAL | 24.7 | | |
| NEC TOTAL DEMAND | | 25.7 | |

## PANEL: G

AMP RATING: 300A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NLAB — MOUNTING: SURFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | C | CPC POWER | 0.25 | | | | 20 | 2 | 1 | A | 2 | 3 | 70 | | | | | SPARE | | | |
| | | C | | 0.25 | | | | - | - | 3 | B | 4 | - | - | | | | | SPARE | | | |
| | 1 | L | LIGHTS - COMPRESSOR ROOM | 1.04 | | | | 20 | 1 | 5 | C | 6 | - | - | | | | | SPARE | | | |
| | 1 | N | EXISTING EQUIPMENT | 0.80 | | | | 20 | 1 | 7 | A | 8 | 1 | 20 | | | | | SPARE | | | |
| | | | SPARE | | | | | 20 | 1 | 9 | B | 10 | 1 | 20 | | | | | SPARE | | | |
| | 1 | N | ARU - CONTROL POWER | 0.25 | | | | 20 | 1 | 11 | C | 12 | 1 | 20 | | | | | SPARE | | | |
| | | | SPARE | | | | | 100 | 3 | 13 | A | 14 | 1 | 20 | | | | | SPARE | | | |
| | | | | | | | | - | - | 15 | B | 16 | 1 | 20 | | | | | SPARE | | | |
| | | | | | | | | - | - | 17 | C | 18 | 1 | 20 | 12 | 12 | 12 | 0.20 | MTR RM SF / EF CONTROL | N | 4 | |
| | 1 | | PANEL RPF | 6.94 | | | | 100 | 3 | 19 | A | 20 | 3 | 20 | 12 | | 12 | 1.54 | MOTOR RM FANS - EF 3 / SF-1 | C | 2,11 | |
| | | | | 7.22 | | | | - | - | 21 | B | 22 | - | - | | | 12 | 1.54 | | C | | |
| | | | | 6.67 | | | | - | - | 23 | C | 24 | - | - | | | 12 | 1.54 | | C | | |
| | | | SPARE | | | | | 100 | 3 | 25 | A | 26 | 3 | 60 | 10 | | 6 | 5.04 | RTU-1 | AC | 3 | |
| | | | | | | | | - | - | 27 | B | 28 | - | - | | | 6 | 5.04 | - | AC | | |
| | | | | | | | | - | - | 29 | C | 30 | - | - | | | 6 | 5.04 | | AC | | |
| | 1 | N | RECEIVING UNIT HEATER | 0.72 | | | | 20 | 1 | 31 | A | 32 | 3 | 100 | | | | | SPARE | | | |
| | | | SPARE | | | | | 20 | 1 | 33 | B | 34 | - | - | | | | | | | | |
| | 1 | R | DELI COOLER FANS | 0.64 | | | | 20 | 1 | 35 | C | 36 | - | - | | | | | | | | |

| | | |
|---|---|---|
| NEC KVA | 46 | |
| NEC AMPS | 129 | |
| Ø A NEC KVA / AMPS | 16 | 131 |
| Ø B NEC KVA / AMPS | 14 | 120 |
| Ø C NEC KVA / AMPS | 16 | 135 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 1.0 | 1.3 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 0.0 | 0.0 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 17.6 | 17.6 | 1.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 19.2 | 19.2 | 1.00 |
| CONTINUOUS (C) | 5.1 | 6.4 | 1.25 |
| NON CONTINUOUS (N) | 2.0 | 2.0 | 1.00 |
| TOTAL | 44.8 | | |
| NEC TOTAL DEMAND | | 46.5 | |

NOTE:
PANEL RPF LOAD INCLUDED IN PANEL G LOAD ANALYSIS.

## PANEL: RPF

AMP RATING: 100A — MANUFACTURER: GE — A/C RATING: [illegible]
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NLAB — MOUNTING: SU[illegible]

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | R | REFRIG CASE FANS - SYS A9 | 0.88 | | | | 20 | 1 | 1 | A | 2 | [illegible] | 20 | | | | [illegible].23 | REFRIG CASE FANS - SYS B[illegible] | R | 9 | |
| | 1 | R | EXISTING CIRCUIT | 0.29 | | | | 20 | 1 | 3 | B | 4 | [illegible] | 20 | | | | [illegible].38 | REFRIG CASE FANS - SYS B2 | R | 9 | |
| | 6 | | SPARE | | | | | 20 | 1 | 5 | C | 6 | [illegible] | 20 | | | | [illegible] | EVAPS - DAIRY CLR / FREZZER | R | 1 | |
| | 6 | | SPARE | | | | | 20 | 1 | 7 | A | 8 | 1 | [illegible] | | | | [illegible] | REFRIG CASE FANS - SYS B15 | R | 1,11 | |
| | 6 | | SPARE | | | | | 20 | 1 | 9 | B | 10 | 1 | [illegible] | | | | [illegible] | EVAP - DELI CLR FREZ SYS A11 | R | 1 | |
| | 1 | R | REFRUG CASE FANS - SYS B6 | 0.16 | | | | 20 | 1 | 11 | C | 12 | 1 | 20 | | | | [illegible] | REFRIG CASE FANS SYS B8 | R | 9,11 | |
| | 1 | R | EVAP - DELI/BAKE CLR | 0.43 | | | | 20 | 1 | 13 | A | 14 | 2 | 30 | | | 10 | 1.25 | COU-2 / CAHU-2 - DEPT. MNGR. | AC | 2 | |
| | 1 | R | REFRIG CASE FANS - SYS A1 | 1.28 | | | | 20 | [illegible] | 15 | B | 16 | - | - | | | 10 | 1.25 | | AC | | |
| | 9,11 | R | REF. CASE FANS - SYS A2 / A13a | 0.96 | | | | 20 | 1 | 17 | C | 18 | 1 | 20 | | | | 0.96 | REF. CASE FANS SYS A5 / A13b | R | 9,11 | |
| | 1 | R | REFRIG CASE FANS - SYS A3 | 0.59 | | | | 20 | 1 | 19 | A | 20 | 1 | 20 | | | | 1.25 | REFRIG CASE FANS SYS A6 | R | 1 | |
| | 1 | R | REFRIG CASE FANS - SYS A4 | 1.43 | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | 0.59 | REFRIG CASE FANS SYS A7 | R | 1 | |
| | 1 | R | EVAP - MEAT CLR SYS A22 | 0.60 | | | | 20 | [illegible] | 23 | C | 24 | 1 | 20 | | | | 1.43 | REFRIG CASE FANS SYS A8 | R | 1 | |
| | 1,11 | R | EVAP - MEAT PREP SYS B22 | 0.60 | | | | 20 | [illegible] | 25 | A | 26 | 1 | 20 | 12 | 12 | 12 | 0.83 | REF. CASE FANS SYS B5 | R | 4 | |
| | 1 | | REFRIG CASE FANS - SYS B4 | 1.43 | | | | 20 | [illegible] | 27 | B | 28 | 1 | 20 | 10 | 10 | 10 | 0.53 | REF. CASE FANS - SYS B19 / B20 | R | 4 | |
| | 1 | | MEAT PREP SCALES RECEPT | 0.54 | | | | 20 | [illegible] | 29 | C | 30 | 1 | 20 | | | | 0.60 | EVAP - PRODUCE CLR SYS B13 | R | 1 | |
| | 9,11 | R | REFRIG CASE FANS - SYS B9 | 0.48 | | | | 20 | [illegible] | 31 | A | 32 | 1 | 20 | 12 | 12 | 12 | 0.15 | REF. CASE FANS - SYS A23 / B10 | R | 3 | |
| | 4 | R | REF. CASE FANS - SYS B16 | 0.13 | 12 | 12 | [illegible] | 20 | [illegible] | 33 | B | 34 | 1 | 20 | 10 | 10 | 10 | 0.53 | REF. CASE FANS - SYS B17 / B18 | R | 4 | |
| | 6 | | SPARE | | | | | 20 | 1 | 35 | C | 36 | 1 | 20 | | | | 0.40 | EVAP - PRODUCE PREP SYS B21 | R | 1,11 | |

| | | |
|---|---|---|
| NEC KVA | 21 | |
| NEC AMPS | 58 | |
| Ø A NEC KVA / AMPS | 7 | 59 |
| Ø B NEC KVA / AMPS | 7 | 60 |
| Ø C NEC KVA / AMPS | 7 | 56 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 0.0 | 0.0 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 0.0 | 0.0 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 2.5 | 2.5 | 1.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 18.3 | 18.3 | 1.00 |
| CONTINUOUS (C) | 0.0 | 0.0 | 1.25 |
| NON CONTINUOUS (N) | 0.0 | 0.0 | 1.00 |
| TOTAL | 20.8 | | |
| NEC TOTAL DEMAND | | 20.8 | |

## PANEL: DB

AMP RATING: 400A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NLAB — MOUNTING: FLUSH

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | K | HOT COLD CHICKEN DISPLAY | 4.80 | 8 | 8 | 10 | 40 | 3 | 1 | A | 2 | 3 | 20 | | | | 0.94 | RFP-1 | C | 1 | |
| | | K | (HOT SIDE) | 4.80 | 8 | | | - | - | 3 | B | 4 | - | - | | | | 0.94 | | C | | |
| | | K | - | 4.80 | 8 | | | - | - | 5 | C | 6 | - | - | | | | 0.94 | | C | | |
| | | | SPARE | | | | | 20 | 1 | 7 | A | 8 | 1 | 20GFI | | | | 0.72 | ROOFTOP RECEPTACLE | REC | 1 | |
| | 1 | L | HOOD LIGHTS AND CONTROL | 1.60 | | | | 20 | 1 | 9 | B | 10 | 3 | 20 | | | | 0.53 | RACK OVEN | K | 1 | |
| | | | SPARE | | | | | 30 | 1 | 11 | C | 12 | - | - | | | | 0.53 | | K | | |
| | 1 | K | SOUP/SALAD BAR | 0.80 | | | | 20 | 1 | 13 | A | 14 | - | - | | | | 0.53 | | K | | |
| | 1 | K | SOUP/SALAD BAR | 0.80 | | | | 20 | 1 | 15 | B | 16 | 1 | 20 | | | | 1.80 | RACK OVEN CONTROLS | N | 1 | |
| | 6 | | SPARE | | | | | 20 | 1 | 17 | C | 18 | 1 | 20 | | | | 1.54 | CHICKEN FRYER | K | 1 | |
| | 1 | REC | REC - DELI/BAKERY | 0.54 | | | | 20 | 1 | 19 | A | 20 | | | | | | | SHUNT TRIP | | | |
| | 1 | REC | REC - DELI/BAKERY | 0.90 | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | 1.54 | CHICKEN FRYER | K | 1 | |
| | 1 | N | EF-2 | 0.04 | | | | 20 | 1 | 23 | C | 24 | | | | | | | SHUNT TRIP | | | |
| | 1 | K | SLICER | 0.84 | | | | 20 | 1 | 25 | A | 26 | 1 | 20 | | | | 0.20 | CONVECTION OVEN | K | 1 | |
| | | | SPARE | | | | | 30 | 3 | 27 | B | 28 | | | | | | | SHUNT TRIP | | | |
| | | | | | | | | | | 29 | C | 30 | 1 | 20 | | | | 0.78 | ROTISSRIE | K | 1 | |
| | | | | | | | | | | 31 | A | 32 | | | | | | | SHUNT TRIP | | | |
| | 5,9 | K | SLICER | 0.84 | | | | 20/GFI | 1 | 33 | B | 34 | 2 | 35 | | | | 2.66 | AUTOMATIC PROOFBOX | K | 1 | |
| | 5,9 | K | SLICER | 0.84 | | | | 20/GFI | 1 | 35 | C | 36 | - | - | | | | 2.66 | | K | | |
| | | | SPARE | | | | | 50 | 3 | 37 | A | 38 | 1 | 20 | | | | 1.10 | PROOFBOX CONTROLS | N | 1 | |
| | | | | | | | | | | 39 | B | 40 | 3 | 30 | | | | 0.94 | HOT FOODS CASE | K | 1 | |
| | | | | | | | | | | 41 | C | 42 | - | - | | | | 0.94 | | K | | |
| | | | SPARE | | | | | 30 | 1 | 43 | A | 44 | - | - | | | | 0.94 | | K | | |
| | 1 | REC | RECEPT PIZZA CASE | 0.40 | | | | 20 | 1 | 45 | B | 46 | 2 | 30 | 10 | 10 | 10 | 3.12 | HOT COLD CHICKEN DISPLAY | N | 5 | |
| | 1 | REC | RECEPT PIZZA CASE | 0.40 | | | | 20 | 1 | 47 | C | 48 | - | - | | | 10 | 3.12 | (COLD SIDE) | N | | |

| | | |
|---|---|---|
| NEC KVA | 39 | |
| NEC AMPS | 108 | |
| Ø A NEC KVA / AMPS | 9 | 73 |
| Ø B NEC KVA / AMPS | 17 | 145 |
| Ø C NEC KVA / AMPS | 13 | 106 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 1.6 | 2.0 | 1.25 |
| KITCHEN EQUIPMENT (K) | 32.7 | 21.3 | 0.65 |
| RECEPTACLES (REC) | 3.0 | 3.0 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 0.0 | 0.0 | 0.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 0.0 | 0.0 | 1.00 |
| CONTINUOUS (C) | 2.8 | 3.5 | 1.25 |
| NON CONTINUOUS (N) | 9.2 | 9.2 | 1.00 |
| TOTAL | 49.3 | | |
| NEC TOTAL DEMAND | | 38.9 | |

## PANEL: F

AMP RATING: 225A — MANUFACTURER: GE — A/C RA[illegible]: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NLAB — MOUNTI[illegible]RFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | N | COMPACTOR | 1.60 | | | | 45 | 3 | 1 | A | 2 | [illegible] | [illegible]5 | | | | | [illegible]ARE | | | |
| | | N | | 1.60 | | | | - | - | 3 | [illegible] | 4 | - | | | | | | | | | |
| | | N | | 1.60 | | | | - | - | [illegible] | [illegible] | 6 | - | | | | | | | | | |
| | 1 | N | BAILER | 3.80 | | | | 60 | 3 | 7 | [illegible] | 8 | 3 | [illegible] | | | | 3.40 | [illegible] 10 H.P | AC | 1 | |
| | | N | | 3.80 | | | | - | - | 9 | [illegible] | 10 | - | - | | | | 3.40 | | AC | | |
| | | N | | 3.80 | | | | - | - | 11 | C | 12 | - | - | | | | 3.40 | | AC | | |
| | 1 | K | MEAT GRINDER | 2.50 | | | | [illegible] | [illegible] | 13 | A | 14 | 3 | 60 | | | | 5.00 | UNIT HEATER 15KW | EH | 1 | |
| | | K | | 2.50 | | | | - | [illegible] | [illegible] | B | [illegible] | - | - | | | | 5.00 | | EH | | |
| | | K | | 2.50 | | | | - | - | [illegible] | C | 18 | - | - | | | | 5.00 | | EH | | |
| | 1 | K | MEAT SAW | 1.10 | | | | 20 | 3 | [illegible] | A | 20 | [illegible] | 20 | | | | 1.10 | MEAT SAW | K | 1 | |
| | | K | | 1.10 | | | | - | - | [illegible] | B | 22 | [illegible] | | | | | 1.10 | | K | | |
| | | K | | 1.10 | | | | - | - | 2[illegible] | C | 24 | [illegible] | - | | | | 1.10 | | K | | |
| | 1 | N | DOCK LIFT | 2.40 | | | | 30 | 3 | 2[illegible] | A | 26 | 1 | 20 | | | | 1.00 | GARBAGE DISPOSAL | K | 1 | |
| | | N | | 2.40 | | | | - | - | [illegible] | B | 28 | 2 | 20 | | | | | SPARE | | | |
| | | N | | 2.40 | | | | - | - | [illegible] | C | 30 | - | - | | | | | | | | |
| | 3 | AC | RTU-2 | 5.04 | 6 | | 1[illegible] | [illegible] | 3 | [illegible] | A | 32 | 3 | 25 | | | | | SPARE | | | |
| | | AC | | 5.04 | 6 | | | [illegible] | [illegible] | 33 | B | 34 | - | - | | | | | | | | |
| | | AC | | 5.04 | 6 | | | [illegible] | [illegible] | 35 | C | 36 | - | - | | | | | | | | |
| | | | SPARE | | | | | 20 | 2 | 37 | A | 38 | 1 | 20 | | | | | SPARE | | | |
| | | | | | | | | - | - | 39 | B | 40 | 1 | 20 | | | | | SPARE | | | |
| | | | | | | | | - | - | 41 | C | 42 | 1 | 20 | | | | | SPARE | | | |

| | | |
|---|---|---|
| NEC KVA | 69 | |
| NEC AMPS | 193 | |
| Ø A NEC KVA / AMPS | 21 | 173 |
| Ø B NEC KVA / AMPS | 20 | 171 |
| Ø C NEC KVA / AMPS | 20 | 171 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 0.0 | 0.0 | 1.25 |
| KITCHEN EQUIPMENT (K) | 15.1 | 9.8 | 0.65 |
| RECEPTACLES (REC) | 0.0 | 0.0 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 25.3 | 25.3 | 1.00 |
| ELECTRIC HEAT (EH) | 15.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 0.0 | 0.0 | 1.00 |
| CONTINUOUS (C) | 0.0 | 0.0 | 1.25 |
| NON CONTINUOUS (N) | 23.4 | 23.4 | 1.00 |
| TOTAL | 78.8 | | |
| NEC TOTAL DEMAND | | 58.5 | |

## PANEL: B

AMP RATING: 200A — MANUFACTURER: GE — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: A-SERIES — MOUNTING: FLUSH

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | N | CHECKOUT | 0.36 | | | | 20 | 1 | 1 | A | 2 | 1 | 20 | | | | | SPARE | | | |
| | 9 | N | CHECKOUT | 0.36 | | | | 20 | 1 | 3 | B | 4 | 1 | 20 | | | | 0.36 | ATM | REC | 1 | |
| | 9 | N | CHECKOUT | 0.18 | | | | 20 | 1 | 5 | C | 6 | 1 | 20 | | | | 0.40 | ICE MACHINE | REC | 1 | |
| | 6 | | SPARE | | | | | 20 | 1 | 7 | A | 8 | 1 | 30 | | | | | SPARE | | | |
| | | | SPARE | | | | | 20 | 1 | 9 | B | 10 | 3 | 30 | | | | | SPARE | | | |
| | 1 | N | DOOR OPENER / SENSOR | 0.80 | | | | 20 | 1 | 11 | C | 12 | - | - | | | | | - | | | |
| | 1 | REC | ACCOUNTING OFFICE RECEPT. | 0.54 | | | | 20 | 1 | 13 | A | 14 | - | - | | | | | - | | | |
| | 1 | REC | PLUGSTRIP - ACCOUNTING | 0.45 | | | | 20 | 1 | 15 | B | 16 | 1 | 30 | | | | 0.80 | AUTOMATIC DOOR OPERATOR | N | 1 | |
| | 1 | REC | ACCOUNTING OFFICE RECEPT | 0.45 | | | | 20 | 1 | 17 | C | 18 | 1 | 20 | | | | | SPARE | | | |
| | | | SPARE | | | | | 30 | 1 | 19 | A | 20 | 1 | 20 | | | | 1.00 | STORE FRONT SIGN | L | 1 | |
| | | | SPARE | | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | 0.60 | DECORATIVE FIXTURES | L | 1 | |
| | | | SPARE | | | | | 20 | 1 | 23 | C | 24 | 1 | 30 | | | | 0.20 | CANOPY LIGHTS | L | 9 | |
| | | | SPARE | | | | | 20 | 1 | 25 | A | 26 | 1 | 20 | | | | 1.00 | COKE & PEPSI MACHINE | N | 1 | |
| | | | SPARE | | | | | 30 | 1 | 27 | B | 28 | 1 | 20 | | | | | SPARE | | | |
| | | | SPARE | | | | | 20 | 1 | 29 | C | 30 | 1 | 20 | | | | | SPARE | | | |
| | 4 | N | USCAN ATTENDANT STATION | 0.18 | 10 | 10 | 10 | 20 | 1 | 31 | A | 32 | 1 | 30 | 12 | 12 | 12 | 0.30 | EMS I/O BRD CONTROL | N | 4 | |
| | | | SPARE | | | | | 20 | 1 | 33 | B | 34 | 2 | 50 | | | | | SPARE | | | |
| | | | SPARE | | | | | 20 | 1 | 35 | C | 36 | - | - | | | | | | | | |
| | 1 | N | A/C ROOFTOP CONT. BOARD | 0.20 | | | | 20 | 1 | 37 | A | 38 | 3 | 35 | | | | | SPARE | | | |
| | | | SPARE | | | | | 20 | 1 | 39 | B | 40 | - | - | | | | | | | | |
| | | | SPARE | | | | | 20 | 1 | 41 | C | 42 | - | - | | | | | | | | |

| | | |
|---|---|---|
| NEC KVA | 9 | |
| NEC AMPS | 25 | |
| Ø A NEC KVA / AMPS | 4 | 34 |
| Ø B NEC KVA / AMPS | 3 | 23 |
| Ø C NEC KVA / AMPS | 2 | 17 |

| SSERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 1.8 | 2.3 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 2.2 | 2.2 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 0.0 | 0.0 | 0.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 0.0 | 0.0 | 1.00 |
| CONTINUOUS (C) | 0.0 | 0.0 | 1.25 |
| NON CONTINUOUS (N) | 4.5 | 4.5 | 1.00 |
| TOTAL | 8.5 | | |
| NEC TOTAL DEMAND | | 8.9 | |

## PANEL: L

AMP RATING: 90A — MANUFACTURER: SQUARE-D — A/C RATING: 10,000
120/208 VOLT, 3 PHASE, 4 WIRE — MAINS: MLO — TYPE: NQOD — MOUNTING: SURFACE

| REV NO. | CKT NOTE | LOAD TYPE | SERVING | KVA LOAD | WIRE HOT | WIRE NEUT | WIRE GRND | BREAKER TRIP | BREAKER POLE | CIRC. NO. | PH | CIRC. NO. | BREAKER POLE | BREAKER TRIP | WIRE GRND | WIRE NEUT | WIRE HOT | KVA LOAD | SERVING | LOAD TYPE | CKT NOTE | REV NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | R | REFRIG CASE FANS - SYS A14 | 0.24 | | | | 20 | 1 | 1 | A | 2 | 1 | 20 | | | | 0.46 | REFRIG CASE FANS - SYS A19 | R | 9 | |
| | 9,11 | R | REF. CASE FANS - SYS A15 / A16 | 1.01 | | | | 20 | 1 | 3 | B | 4 | 1 | 20 | | | | 0.72 | REFRIG CASE FANS - SYS A20 | R | 9 | |
| | 6 | | SPARE | | | | | 20 | 1 | 5 | C | 6 | 1 | 20 | | | | 0.54 | REFRIG CASE FANS - SYS A21 | R | 1 | |
| | 9 | R | REFRIG CASE FANS - SYS A17 | 0.83 | | | | 20 | 1 | 7 | A | 8 | 1 | 20 | | | | | SPARE | | | |
| | 9 | R | REFRIG CASE FANS - SYS A18 | 0.64 | | | | 20 | 1 | 9 | B | 10 | 1 | 20 | | | | | SPARE | | | |
| | 2 | R | REFRIG CASE FANS - SYS A10 | 0.29 | 12 | 12 | 12 | 20 | 1 | 11 | C | 12 | 1 | 25 | | | | | SPARE | | | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 13 | A | 14 | 2 | 30 | 10 | | 10 | 1.25 | COU-1 / CAHU-1 - LUNCH ROOM | AC | 2 | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 15 | B | 16 | - | - | | | 10 | 1.25 | - | AC | | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 17 | C | 18 | 1 | 20 | | | | | SPARE | | | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 19 | A | 20 | 1 | 20 | | | | | SPARE | | | |
| | 1 | N | EXISTING CIRCUIT | 0.50 | | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | | SPARE | | | |
| | 1 | N | CONTACTOR POWER | 0.30 | | | | 25 | 1 | 23 | C | 24 | 1 | 20 | | | | 0.40 | LIGHTS - MEAT / SEAFOOD | L | 1 | |

| | | |
|---|---|---|
| NEC KVA | 10 | |
| NEC AMPS | 29 | |
| Ø A NEC KVA / AMPS | 4 | 32 |
| Ø B NEC KVA / AMPS | 5 | 36 |
| Ø C NEC KVA / AMPS | 2 | 17 |

| SERVICE | KVA LOAD | NEC LOAD | DEMAND FACTOR |
|---|---|---|---|
| LIGHTS (L) | 0.4 | 0.5 | 1.25 |
| KITCHEN EQUIPMENT (K) | 0.0 | 0.0 | 1.00 |
| RECEPTACLES (REC) | 0.0 | 0.0 | 1.00/.50 |
| HOT WATER HEATER (HW) | 0.0 | 0.0 | 1.00 |
| AIR CONDITIONING (AC) | 2.5 | 2.5 | 1.00 |
| ELECTRIC HEAT (EH) | 0.0 | 0.0 | 0.00 |
| REFRIGERATION (R) | 4.8 | 4.8 | 1.00 |
| CONTINUOUS (C) | 0.0 | 0.0 | 1.25 |
| NON CONTINUOUS (N) | 2.7 | 2.7 | 1.00 |
| TOTAL | 10.4 | | |
| NEC TOTAL DEMAND | | 10.5 | |

**PANEL NOTES:**

1. EXISTING TO REMAIN.
2. CONTRACTOR SHALL DEMOLISH EXISTING CIRCUIT AND REUSE BREAKER FOR NEW CIRCUIT SHOWN.
3. CONTRACTOR SHALL DEMOLISH EXISTING CIRCUIT AND BREAKER. CONTRACTOR SHALL PROVIDE NEW BREAKER FOR CIRCUIT SHOWN. NEW BREAKER SHALL BE UL LISTED FOR USE IN EXISTING PANEL AND HAVE SAME A/C RATING AS EXISTING EQUIPMENT.
4. CONTRACTOR SHALL USE EXISTING SPARE BREAKER FOR NEW CIRCUIT SHOWN.
5. CONTRACTOR SHALL PROVIDE NEW BREAKER IN EXISTING SPACE FOR CIRCUIT SHOWN. NEW BREAKER SHALL BE UL LISTED FOR USE IN EXISTING PANEL AND HAVE SAME A/C RATING AS EXISTING EQUIPMENT.
6. CONTRACTOR SHALL DEMOLISH EXISTING CIRCUIT AND MARK BREAKER SPARE.
7. CONTRACTOR SHALL RELOCATE EXISTING CIRCUIT AND/OR RECEPTACLE TO NEW LOCATION AS SHOWN ON PLAN DRAWINGS.
8. CONTRACTOR SHALL ROUTE CIRCUIT THRU EMS CONTACTOR FOR LIGHTING CONTROL. CONTACTOR SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. REWORK EXISTING CIRCUIT AS INDICATED ON PLANS.
10. DEMOLISH THE EXISTING CIRCUIT.
11. RELABEL CIRCUIT ON PANEL SCHEDULE AS INDICATED.
12. RELOCATED CIRCUIT TO DIFFERENT BREAKER SP[illegible] PANEL.

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Date: SEPTEMBER 10, 2019 Job No. 1922

Revisions:

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Title: PANEL SCHEDULES

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