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## ELECTRIC 120V CONTACTOR SCHEDULE

**CONTACTOR RATING TYP. 20AMP/600v**
**NOTES:COIL VOLTAGE: 120v**

**"BC" CONTROL REMARKS: OFF FROM 10:00PM TO 8:00AM.**

**"BC" CONTROL REMARKS:1/3 LIGHTING REDUCTION LLCA1, LLPU1.**

**"BC" CONTROL REMARKS:2/3 LIGHTING REDUCTION LLCA2.**

**NOTES: ALL CONTACTORS ARE TO BE 12 POLE, UNLESS OTHERWISE NOTED. EC TO PROVIDE ONE ENCLOSURE FOR EACH PANEL LISTED IN "BC" CONTROL REMARKS. REFER TO DETAIL ESD-13 FOR CONTACTOR WIRING DIAGRAM.**

| SUPPLY | CIRCUIT NUMBER | LOAD NAME | Contactor |
|---|---|---|---|
| LLB1A | | | |
| B1 | 12 | LIGHTING SALES 130 | LLB1A |
| B1 | 14 | LIGHTING SALES 130 | LLB1A |
| B1 | 15 | LIGHTING 130,136 | LLB1A |
| B1 | 17 | LIGHTING SALES 130 | LLB1A |
| B1 | 19 | LIGHTING SALES 130 | LLB1A |
| B1 | 20 | LIGHTING 130,130 | LLB1A |
| B1 | 21 | LIGHTING SALES 130 | LLB1A |
| B1 | 23 | LIGHTING SALES 130 | LLB1A |
| B1 | 24 | LIGHTING SALES 130 | LLB1A |
| B1 | 26 | LIGHTING SALES 130 | LLB1A |
| B1 | 28 | LIGHTING SALES 130 | LLB1A |
| B1 | 30 | LIGHTING SALES 130 | LLB1A |
| LLCA1 | | | |
| A | 40 | LIGHTING LIQUOR 117 | LLCA1 |
| LLCA2 | | | |
| A | 42 | LIGHTING LIQUOR 117 | LLCA2 |
| LLPU1 | | | |
| PU-EM | 16 | LIGHTING LIQUOR 117 | LLPU1 |

## ELECTRIC SINGLE LINE EQUIPMENT SCHEDULE

**NOTES:**
**ALL CONDUIT SIZES INDICATED ARE MINIMUM SIZES. INCREASE SIZES AS REQUIRED TO ACCOMMODATE CONDUCTOR PULLING EASE, FIELD CONDITIONS, ETC.**

**"CU" = COPPER CONDUCTOR, "AL" = ALUMINUM CONDUCTOR**

**TYPICAL EQUIPMENT NAME NOMENCLATURE:**
**1 - POWER DISTRIBUTION SYSTEM (BLANK - NORMAL, E - EMERGENCY, S - STANDBY, L - LIFE SAFETY)**
**2 - DESCRIPTION (H - 480Y/277V, L - 208Y/120V)**
**3 - FLOOR / LEVEL**
**4 - SEQUENCE**

**FEEDER ID NOMENCLATURE:**
*** - INDICATES FEEDER SIZED TO COMPENSATE FOR VOLTAGE DROP**
**1 - GROUND TYPE (MAY BE BLANK)**
**U = EQUIPMENT GROUND CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY**
**P = PARITY-SIZED EQUIPMENT GROUND CONDUCTOR**
**X = EXISTING FEEDER TO REMAIN UNLESS OTHERWISE NOTED**
**T = UPSIZED GROUND CONDUCTORS FOR TRANSFORMER SECONDARY**

**2 - CONDUCTOR AMPACITY**
**3 - TOTAL NUMBER OF PHASE AND GROUNDED ("NEUTRAL") CONDUCTORS**
**4 - CONDUCTOR MATERIAL: C = COPPER, A = ALUMINUM**
**5 - SPECIAL (MAY BE BLANK)**
**I = ISOLATED GROUND (PROVIDE CONTINUOUS INSULATED ISOLATED EQUIPMENT GROUNDING CONDUCTOR(S) FROM INSULATED ISOLATED GROUND BAR(S) TO RESPECTIVE UPSTREAM SERVICE ENTRANCE OR DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE.**

| EQUIPMENT | PHASE | POWER BRANCH | EQUIPMENT TYPE | SUPPLY FROM | SPACE NUMBER | SPACE NAME | VOLTAGE | POLES | WIRES | DEMAND (kVA) | DEMAND (A) | MAINS RATING (A) | MAINS FRAME RATING (A) | MAINS TYPE | FEEDER ID | FEEDER | VD % | LUGS TYPE | SPD | ULSE | GEC | ENCLOSURE TYPE | 200% NEUTRAL | K-RATING | FAULT CURRENT (A) | SHORT CIRCUIT RATING (A) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GENERATOR | Existing | NORMAL | G1 - Generator | | | | 208 | 3 | 4 | 40.9 kVA | 113 A | | | | | | | | | | | NEMA 3R | | | 2891 | | |
| -- ATS1 | Existing | NORMAL | ATS - Emergency Connection | GENERATOR | | | 208 | 3 | 4 | 12.4 kVA | 34 A | 100 | 100 | | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.055 | | | | | NEMA 1 | | | 2777 | EXISTING | |
| -- ATS2 | Existing | NORMAL | ATS - Emergency Connection | GENERATOR | | | 208 | 3 | 4 | 28.4 kVA | 79 A | 100 | 100 | | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.18 | | | | | NEMA 1 | | | 2743 | EXISTING | |
| UTILITY | Existing | NORMAL | Pad Mounted Transformer | | | | 208 | 3 | 4 | | | | | MAIN LUGS ONLY | | | | | | | | NEMA 3R | | | 120684 | | |
| -- LDPA | Existing | NORMAL | Distribution Panelboard | UTILITY | 102 | BACK ROOM | 208 | 3 | 4 | 12.4 kVA | 34 A | 1200 | 1200 | THERMAL MAGNETIC | X1200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.02 | | | Yes | Yes | NEMA 1 | | | 74810 | EXISTING | |
| ---- ATS1 | Existing | NORMAL | 3-Pole ATS | LDPA | | | 208 | 3 | 4 | 12.4 kVA | 34 A | 100 | 100 | | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.238 | | | | | NEMA 1 | | | 14471 | EXISTING | |
| ------ PU-EM | Existing | NORMAL | Branch Panelboard | ATS1 | 102 | BACK ROOM | 208 | 3 | 4 | 12.4 kVA | 34 A | 100 | 100 | MAIN LUGS ONLY | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.488 | | | | | NEMA 1 | | | 7517 | EXISTING | |
| -- LDPB | Existing | NORMAL | Distribution Panelboard | UTILITY | 102 | BACK ROOM | 208 | 3 | 4 | 28.4 kVA | 79 A | 800 | 800 | THERMAL MAGNETIC | X800 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.078 | | | | | NEMA 1 | | | 60913 | EXISTING | |
| ---- PT | Existing | NORMAL | Branch Panelboard | LDPB | 102 | BACK ROOM | 208 | 3 | 4 | 0.0 kVA | 0 A | 100 | 100 | MAIN LUGS ONLY | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.078 | | | | | NEMA 1 | | | 43154 | EXISTING | |
| ---- PW | Existing | NORMAL | Branch Panelboard | LDPB | 102 | BACK ROOM | 208 | 3 | 4 | 0.0 kVA | 0 A | 100 | 100 | MAIN LUGS ONLY | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.078 | | | | | NEMA 1 | | | 48299 | EXISTING | |
| ---- ATS2 | Existing | NORMAL | 3-Pole ATS | LDPB | | | 208 | 3 | 4 | 28.4 kVA | 79 A | 100 | 100 | | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.616 | | | | | NEMA 1 | | | 13859 | EXISTING | |
| ------ M | Existing | NORMAL | Branch Panelboard | ATS2 | 203 | ECR | 208 | 3 | 4 | 28.4 kVA | 79 A | 100 | 100 | MAIN LUGS ONLY | IX100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 3.704 | | | | | NEMA 1 | | | 2549 | EXISTING | |
| -- MSB1 | Existing | NORMAL | Switchboard | UTILITY | | | 208 | 3 | 4 | 478.4 kVA | 1328 A | 3000 | 3000 | ELECTRONIC LSI | X3000 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.301 | | | Yes | Yes | NEMA 1 | | | 98561 | EXISTING | |
| ---- D | Existing | NORMAL | Branch Panelboard | MSB1 | 104 | BAKERY PREP | 208 | 3 | 4 | 62.9 kVA | 175 A | 200 | 200 | MAIN LUGS ONLY | IX200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 3.833 | | | | | NEMA 1 | | | 5695 | EXISTING | |
| ---- E | Existing | NORMAL | Branch Panelboard | MSB1 | 104 | BAKERY PREP | 208 | 3 | 4 | 15.0 kVA | 42 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 1.149 | | | | | NEMA 1 | | | 5653 | EXISTING | |
| ---- J | Existing | NORMAL | Branch Panelboard | MSB1 | 102 | BACK ROOM | 208 | 3 | 4 | 34.4 kVA | 96 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.555 | | | | | NEMA 1 | | | 31294 | EXISTING | |
| ---- K | Existing | NORMAL | Branch Panelboard | MSB1 | 102 | BACK ROOM | 208 | 3 | 4 | 59.2 kVA | 164 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.763 | | | | | NEMA 1 | | | 30129 | EXISTING | |
| ---- L | Existing | NORMAL | Branch Panelboard | MSB1 | 104 | BAKERY PREP | 208 | 3 | 4 | 21.9 kVA | 61 A | 100 | 100 | MAIN LUGS ONLY | IX100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 2.531 | | | | | NEMA 1 | | | 3222 | EXISTING | |
| ---- R | Existing | NORMAL | Branch Panelboard | MSB1 | | | 208 | 3 | 4 | 20.4 kVA | 57 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.381 | | | | | NEMA 1 | | | 46073 | EXISTING | |
| ---- MSB2 | Existing | NORMAL | Switchboard | MSB1 | 102 | BACK ROOM | 208 | 3 | 4 | 266.0 kVA | 738 A | 2000 | 2000 | ELECTRONIC LSI | X2000 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.367 | | | | | NEMA 1 | | | 91959 | EXISTING | |
| ------ A | Existing | NORMAL | Branch Panelboard | MSB2 | 102 | BACK ROOM | 208 | 3 | 4 | 46.6 kVA | 129 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.726 | | | | | NEMA 1 | | | 29046 | EXISTING | |
| ------ C | Existing | NORMAL | Branch Panelboard | MSB2 | 102 | BACK ROOM | 208 | 3 | 4 | 37.0 kVA | 103 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.623 | | | | | NEMA 1 | | | 31508 | EXISTING | |
| ------ F | Existing | NORMAL | Branch Panelboard | MSB2 | | | 208 | 3 | 4 | 20.1 kVA | 56 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.493 | | | | | NEMA 1 | | | 34000 | EXISTING | |
| ------ G | Existing | NORMAL | Branch Panelboard | MSB2 | 102 | BACK ROOM | 208 | 3 | 4 | 3.0 kVA | 8 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.381 | | | | | NEMA 1 | | | 41737 | EXISTING | |
| ------ H | Existing | NORMAL | Branch Panelboard | MSB2 | 102 | BACK ROOM | 208 | 3 | 4 | 16.4 kVA | 46 A | 100 | 100 | MAIN LUGS ONLY | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.51 | | | | | NEMA 1 | | | 27322 | EXISTING | |
| ------ LPF1 | Existing | NORMAL | Branch Panelboard | MSB2 | | | 208 | 3 | 4 | 39.0 kVA | 108 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.612 | | | | | NEMA 1 | | | 34000 | EXISTING | |
| ------ N | Existing | NORMAL | Branch Panelboard | MSB2 | 203 | ECR | 208 | 3 | 4 | 27.3 kVA | 76 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 1.852 | | | | | NEMA 1 | | | 5837 | EXISTING | |
| ------ RFP | Existing | NORMAL | Branch Panelboard | MSB2 | | | 208 | 3 | 4 | 39.8 kVA | 110 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.602 | | | | | NEMA 1 | | | 35491 | EXISTING | |
| ------ B | Existing | NORMAL | Branch Panelboard | MSB2 | 102 | BACK ROOM | 208 | 3 | 4 | 37.4 kVA | 104 A | 200 | 200 | MAIN LUGS ONLY | X200 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.57 | | | | | NEMA 1 | | | 38148 | EXISTING | |
| ------ B1 | Existing | NORMAL | Branch Panelboard | B | 102 | BACK ROOM | 208 | 3 | 4 | 12.8 kVA | 36 A | 100 | 100 | MAIN LUGS ONLY | X100 | EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE | 0.631 | | | | | NEMA 1 | | | 26023 | EXISTING | |

## SWITCHBOARD: GENERATOR

**SUPPLY FROM:**
**LOCATION:** SUPPLIES 134
**DISTRIBUTION SYSTEM:** 208/120V 3PH 4W
**MAINS RATING (A):**
**MAINS TYPE:**
**200% NEUTRAL:**
**FEEDER ID:**
**FEEDER:**
**NOTES:**

**FAULT CURRENT (A):** 2891
**SHORT CIRCUIT RATING (A):**
**ENCLOSURE TYPE:** NEMA 3R
**SURGE SUPRESSION:**
**ULSE:**
**ISOLATED GROUND:**

| CKT | TRIP | FRAME | POLES | VD% | AWG | GND | CIRCUIT DESCRIPTION | LOAD |
|---|---|---|---|---|---|---|---|---|
| 1 | 100 A | 100 A | 3 | SL | SL | SL | (EX) ATS1 | 12.24 kVA |
| 2 | 100 A | 100 A | 3 | SL | SL | SL | (EX) ATS2 | 28.43 kVA |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | BREAKER QUANTITIES (NEW ONLY) |
|---|---|---|---|---|
| Continuous | 0 VA | 0.00% | 0 VA | |
| Cooling | 0 VA | 0.00% | 0 VA | |
| Heating | 0 VA | 0.00% | 0 VA | |
| Kitchen Equipment | 0 VA | 0.00% | 0 VA | |
| Lighting | 720 VA | 125.00% | 900 VA | |
| Motor | 0 VA | 0.00% | 0 VA | |
| Non-Continuous | 10181 VA | 100.00% | 10181 VA | |
| Receptacle | 6360 VA | 100.00% | 6360 VA | |

**PANEL TOTALS**

**EXISTING CONNECTED LOAD:** 23414.0 VA
**EXISTING LOAD DEMAND FACTOR:** 100.00%
**ADDED CONNECTED LOAD:** 17261 VA
**DEMAND CALCULATION NOTES** 100% EXISTING
**TOTAL DEMAND:** 40855.0 VA
**TOTAL DEMAND AMPS:** **113 A**

## SWITCHBOARD: MSB2

**SUPPLY FROM:** MSB1
**LOCATION:** BACK ROOM 102
**DISTRIBUTION SYSTEM:** 208/120V 3PH 4W
**MAINS RATING (A):** 2000
**MAINS TYPE:** ELECTRONIC LSI
**200% NEUTRAL:**
**FEEDER ID:** X2000
**FEEDER:** EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE
**NOTES:**

**FAULT CURRENT (A):** 91959
**SHORT CIRCUIT RATING (A):** EXISTING
**ENCLOSURE TYPE:** NEMA 1
**SURGE SUPRESSION:**
**ULSE:**
**ISOLATED GROUND:**

| CKT | TRIP | FRAME | POLES | VD% | AWG | GND | CIRCUIT DESCRIPTION | LOAD |
|---|---|---|---|---|---|---|---|---|
| 1 | 200 A | 200 A | 3 | SL | SL | SL | (EX) G | 3.05 kVA |
| 2 | 200 A | 200 A | 3 | SL | SL | SL | (EX) B | 46.64 kVA |
| 3 | 200 A | 200 A | 3 | SL | SL | SL | (EX) F | 20.00 kVA |
| 4 | 200 A | 200 A | 3 | SL | SL | SL | (EX) LPF1 | 39.00 kVA |
| 5 | 200 A | 200 A | 3 | SL | SL | SL | (EX) A | 46.26 kVA |
| 6 | 200 A | 200 A | 3 | SL | SL | SL | (EX) C | 36.80 kVA |
| 7 | 200 A | 200 A | 3 | SL | SL | SL | (EX) RFP | 39.80 kVA |
| 8 | 100 A | 100 A | 3 | SL | SL | SL | (EX) H | 16.40 kVA |
| 9 | 200 A | 200 A | 3 | SL | SL | SL | (EX) N | 27.27 kVA |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | BREAKER QUANTITIES (NEW ONLY) |
|---|---|---|---|---|
| Continuous | 0 VA | 0.00% | 0 VA | |
| Cooling | 0 VA | 0.00% | 0 VA | |
| Heating | 0 VA | 0.00% | 0 VA | |
| Kitchen Equipment | 5280 VA | 90.00% | 4752 VA | |
| Lighting | 13777 VA | 125.00% | 17221 VA | |
| Motor | 1284 VA | 104.83% | 1346 VA | |
| Non-Continuous | 3605 VA | 100.00% | 3605 VA | |
| Receptacle | 2316 VA | 100.00% | 2316 VA | |

**PANEL TOTALS**

**EXISTING CONNECTED LOAD:** 248945.1 VA
**EXISTING LOAD DEMAND FACTOR:** 100.00%
**ADDED CONNECTED LOAD:** 26262 VA
**DEMAND CALCULATION NOTES** 100% EXISTING, LESS DEMOLISHED DEMAND
**TOTAL DEMAND:** 265985.4 VA
**TOTAL DEMAND AMPS:** **738 A**

## SWITCHBOARD: MSB1

**SUPPLY FROM:** UTILITY
**LOCATION:**
**DISTRIBUTION SYSTEM:** 208/120V 3PH 4W
**MAINS RATING (A):** 3000
**MAINS TYPE:** ELECTRONIC LSI
**200% NEUTRAL:**
**FEEDER ID:** X3000
**FEEDER:** EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE
**NOTES:**

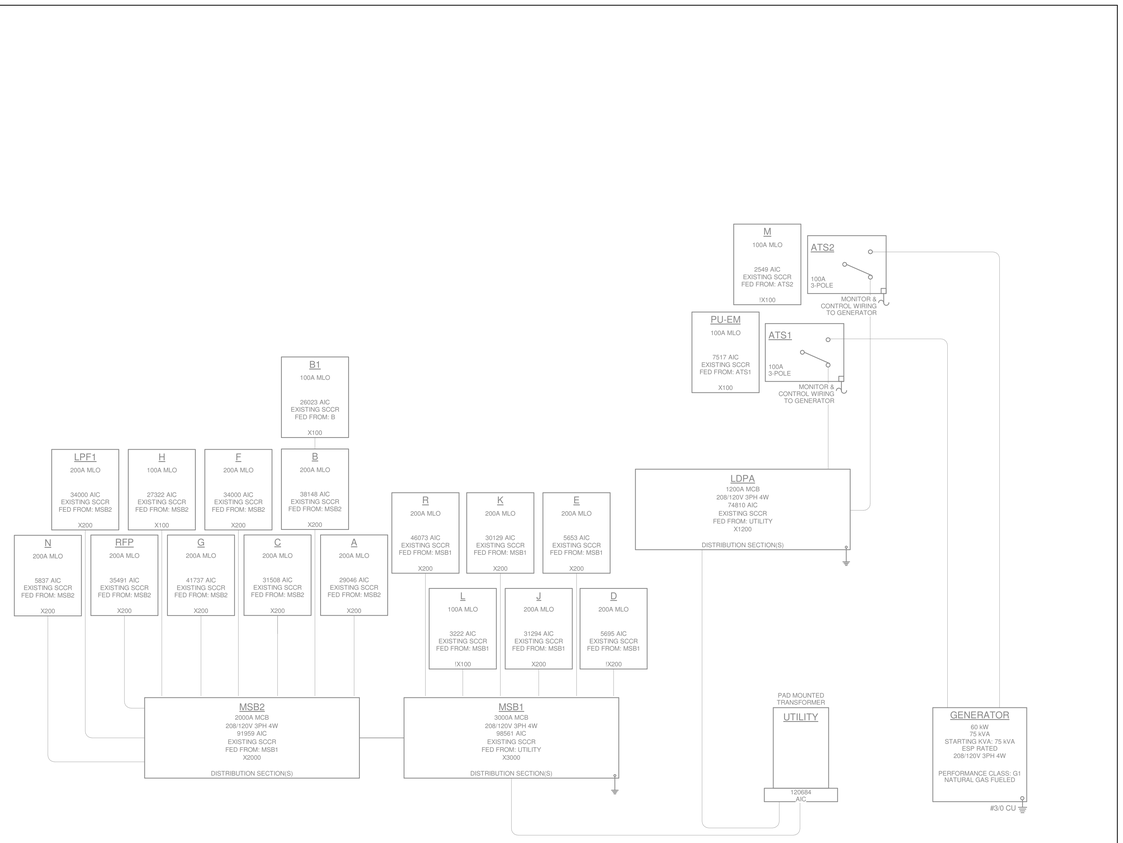
**FAULT CURRENT (A):** 98561
**SHORT CIRCUIT RATING (A):** EXISTING
**ENCLOSURE TYPE:** NEMA 1
**SURGE SUPRESSION:**
**ULSE:** Yes
**ISOLATED GROUND:**

| CKT | TRIP | FRAME | POLES | VD% | AWG | GND | CIRCUIT DESCRIPTION | LOAD |
|---|---|---|---|---|---|---|---|---|
| 1 | 2000 A | 2000 A | 3 | SL | SL | SL | (EX) MSB2 | 275.21 kVA |
| 2 | 100 A | 100 A | 3 | SL | SL | SL | (EX) L | 29.99 kVA |
| 3 | 200 A | 200 A | 3 | SL | SL | SL | (EX) J | 34.42 kVA |
| 4 | 200 A | 200 A | 3 | SL | SL | SL | (EX) D | 72.38 kVA |
| 5 | 200 A | 200 A | 3 | SL | SL | SL | (EX) E | 67.09 kVA |
| 6 | 200 A | 200 A | 3 | SL | SL | SL | (EX) R | 20.40 kVA |
| 7 | 200 A | 200 A | 3 | SL | SL | SL | (EX) K | 59.20 kVA |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | BREAKER QUANTITIES (NEW ONLY) |
|---|---|---|---|---|
| Continuous | 0 VA | 0.00% | 0 VA | |
| Cooling | 0 VA | 0.00% | 0 VA | |
| Heating | 0 VA | 0.00% | 0 VA | |
| Kitchen Equipment | 57383 VA | 65.00% | 37299 VA | |
| Lighting | 15251 VA | 125.00% | 19064 VA | |
| Motor | 1630 VA | 103.80% | 1692 VA | |
| Non-Continuous | 11873 VA | 100.00% | 11873 VA | |
| Receptacle | 2316 VA | 100.00% | 2316 VA | |

**PANEL TOTALS**

**EXISTING CONNECTED LOAD:** 470240.1 VA
**EXISTING LOAD DEMAND FACTOR:** 100.00%
**ADDED CONNECTED LOAD:** 89453 VA
**DEMAND CALCULATION NOTES** 100% EXISTING, LESS DEMOLISHED DEMAND
**TOTAL DEMAND:** 478434.8 VA
**TOTAL DEMAND AMPS:** **1328 A**




SCHEMATIC POWER DISTRIBUTION SINGLE-LINE DIAGRAM
NOT TO SCALE

2" REFERENCE LINE

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STATE OF OHIO
STEPHEN N. FEDERLE
E-76032
REGISTERED
PROFESSIONAL ENGINEER
12/10/19

| # | Date | Change Description |
|---|---|---|
| | | |

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Dwg. Coord.: EBA | Tech. Coord.: LGF | Proj #: 21701

**SINGLE LINE ELECTRICAL DIAGRAM** | **E6.2**

PERMIT BID | 12/10/2019