

Three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

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| ACTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FIRE ALARM DEVICE |                           |                           |                                      |                                                |                                   |                         |                             |                                            |                                                   |                                            |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|---------------------------|--------------------------------------|------------------------------------------------|-----------------------------------|-------------------------|-----------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------------------|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NOTES             | MANUAL<br>PULL<br>STATION | AREA<br>SMOKE<br>DETECTOR | PATIENT<br>ROOM<br>SMOKE<br>DETECTOR | DEDICATED<br>DOOR<br>HOLD<br>SMOKE<br>DETECTOR | F/S<br>DAMPER<br>DUCT<br>DETECTOR | AHU<br>DUCT<br>DETECTOR | FA<br>PHONE<br>LINE<br>LOSS | FIRE ALARM<br>PANEL/<br>CIRCUIT<br>TROUBLE | SPEAKER<br>AMP OR<br>TONE<br>GENERATOR<br>TROUBLE | PRIMARY &<br>SECONDARY<br>POWER<br>MONITOR |  |  |
| SEND ALARM SIGNAL TO FACP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                 | XX                        | XX                        |                                      | XX                                             |                                   |                         |                             |                                            |                                                   |                                            |  |  |
| SEND SUPERVISORY SIGNAL TO FACP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                 |                           |                           | XX                                   |                                                | XX                                | XX                      |                             |                                            |                                                   |                                            |  |  |
| SEND TROUBLE SIGNAL TO FACP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                 |                           |                           |                                      |                                                |                                   |                         | XX                          | XX                                         | XX                                                | XX                                         |  |  |
| SHUT DOWN ENTIRE SMOKE COMPARTMENT SUPPLY, RETURN, AND EXHAUST FANS; & CLOSE ASSOCIATED SMOKE DAMPERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                           | XX                        | XX                                   |                                                | XX                                | XX                      |                             |                                            |                                                   |                                            |  |  |
| ACTIVATE NOTIFICATION DEVICES ON ALL FLOORS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                 | XX                        | XX                        |                                      |                                                |                                   |                         |                             |                                            |                                                   |                                            |  |  |
| ACTIVATE NOTIFICATION DEVICES ON FLOOR OF ACTIVATION, FLOOR ABOVE, AND FLOOR BELOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                 |                           |                           |                                      |                                                |                                   |                         |                             |                                            |                                                   |                                            |  |  |
| RELEASE DOOR HOLDS, POWERED FIRE DOORS, AND POWERED SECURITY DOORS THROUGHOUT BUILDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   | XX                        |                           |                                      |                                                |                                   |                         |                             |                                            |                                                   | XX                                         |  |  |
| RELEASE DOOR HOLDS, POWERED FIRE DOORS, AND POWERED SECURITY DOORS IN SMOKE COMPARTMENT OF INITIATION ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                           | XX                        | XX                                   | XX                                             |                                   |                         |                             |                                            |                                                   |                                            |  |  |
| CLOSE DAMPERS ON FAN PROXIMATE TO DETECTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | XX                        |                           |                                      | XX                                             |                                   |                         |                             |                                            |                                                   |                                            |  |  |
| NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                           | 2,4                       | 4,9                                  | 6                                              | 4                                 | 4                       | 3                           |                                            |                                                   | 7,10                                       |  |  |
| <u>GENERAL NOTES:</u><br>A. REFER TO DIVISION 28 SPECIFICATIONS FOR ADDITIONAL FIRE ALARM SYSTEM REQUIREMENTS.<br>B. ALL ACTIONS SHALL INDICATE A SPECIFIC DEVICE AND LOCATION TO THE CONTROL PANEL(S), ANNUNCIATOR PANEL(S), DACT, AND SYSTEM PRINTER.<br>C. NOT ALL DEVICES MAY BE REQUIRED. REFER TO PLANS FOR ACTUAL DEVICES.<br>D. EACH SMOKE COMPARTMENT SHALL HAVE A SEPARATE NOTIFICATION CIRCUIT TO ALLOW FOR ZONED NOTIFICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                           |                           |                                      |                                                |                                   |                         |                             |                                            |                                                   |                                            |  |  |
| <u>SPECIFIC NOTES:</u><br>1. SEND SIGNAL TO REMOTE ALARM RECEIVING STATION.<br>2. IN SOME ROOMS, AREA SMOKE DETECTORS SHALL BE PROGRAMMED SO THAT UPON ACTIVATION OF THE FIRST SMOKE DETECTOR, A SUPERVISORY SIGNAL IS SENT. UPON ACTIVATION OF A SECOND SMOKE DETECTOR AN ALARM SIGNAL WILL BE SENT. REFER TO PLANS FOR DUAL SMOKE DETECTOR LOCATIONS AND ZONING.<br>3. FACP SHALL SWITCH TO SECOND PHONE LINE AND SEND TROUBLE SIGNAL TO REMOTE ALARM RECEIVING STATION.<br>4. FOR SMOKE TYPE DETECTORS FOR SMOKE DAMPER CONTROL, FACP SHALL SEND SIGNAL TO BUILDING MANAGEMENT SYSTEM TO SHUT DOWN ONLY SUPPLY, RETURN, AND EXHAUST FANS FOR ENTIRE AFFECTED SMOKE COMPARTMENT (10) SECONDS PRIOR TO CLOSING ASSOCIATED FIRE/SMOKE DAMPERS. REFER TO AHU ZONING PLANS.<br>5. ACTIVATE ALL EXTERIOR NOTIFICATION DEVICES.<br>6. RELEASE DOOR HOLD FOR ASSOCIATED DOOR ONLY. REFER TO PLANS FOR DEDICATED DOOR HOLD SMOKE DETECTOR LOCATIONS.<br>7. FOR OVERHEAD COILING DOORS, PROVIDE TIME DELAY OF AT LEAST 15 SECONDS AFTER LOSS OF POWER BEFORE DOOR HOLDS ARE RELEASED.<br>8. NOT USED.<br>9. SMOKE DETECTOR SHALL HAVE AUXILIARY CONTACTS FOR CONNECTION TO PATIENT ROOM NURSE CALL LIGHT, WIRING BY OTHERS.<br>10. DACT PRIMARY POWER TROUBLE SIGNAL SHALL BE SENT WHEN BATTERY CAPACITY IS BETWEEN 25 & 50%. |                   |                           |                           |                                      |                                                |                                   |                         |                             |                                            |                                                   |                                            |  |  |

GENERAL NOTES

1. THE WIRING DIAGRAM IS CONCEPTUAL ONLY AND DOES NOT INDICATE ALL DEVICES, DEVICE TYPES OR QUANTITY OF LOOPS. REFER TO FLOOR PLANS FOR DEVICE QUANTITIES AND LOCATIONS.
2. THE SYSTEM DIAGRAM IS BASED ON A DIGITAL, ADDRESSABLE FIRE ALARM SYSTEM.
3. ALL WIRING AND CABLING SHALL BE IN CONDUIT (MINIMUM 3/4" C.) EMT CONDUIT USED FOR FIRE ALARM WIRING SHALL INCLUDE FACTORY-APPLIED RED TOPCOAT UL-LISTED FOR FIRE ALARM USE.
4. THE INSTALLATION SHALL BE FROM DRAWINGS THAT HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION.
5. EACH SIGNALING CIRCUIT SHALL ALLOW 15% SPARE CAPACITY TO ADD ADDITIONAL AUDIO, VISUAL OR COMBINATION AUDIOVISUAL SIGNALING DEVICES TO ANY OF THESE CIRCUITS.
6. PROVIDE THE CONTROL WIRING FROM FIRE ALARM CONTROLLER TO THE HVAC CONTROLLER.
7. ALL SPRINKLER HEADS, LOCATED IN ELEVATOR SHAFTS AND ELEVATOR EQUIPMENT ROOMS, ARE TO HAVE A HEAT DETECTOR MOUNTED WITHIN TWO (2) FEET OF HEAD FOR ACTIVATION OF SHUNT TRIP POWER DEVICE. VERIFY QUANTITY ON SITE.
8. REFER TO FIRE ALARM CONTROL MATRIX FOR ALL CONTROL REQUIREMENTS.

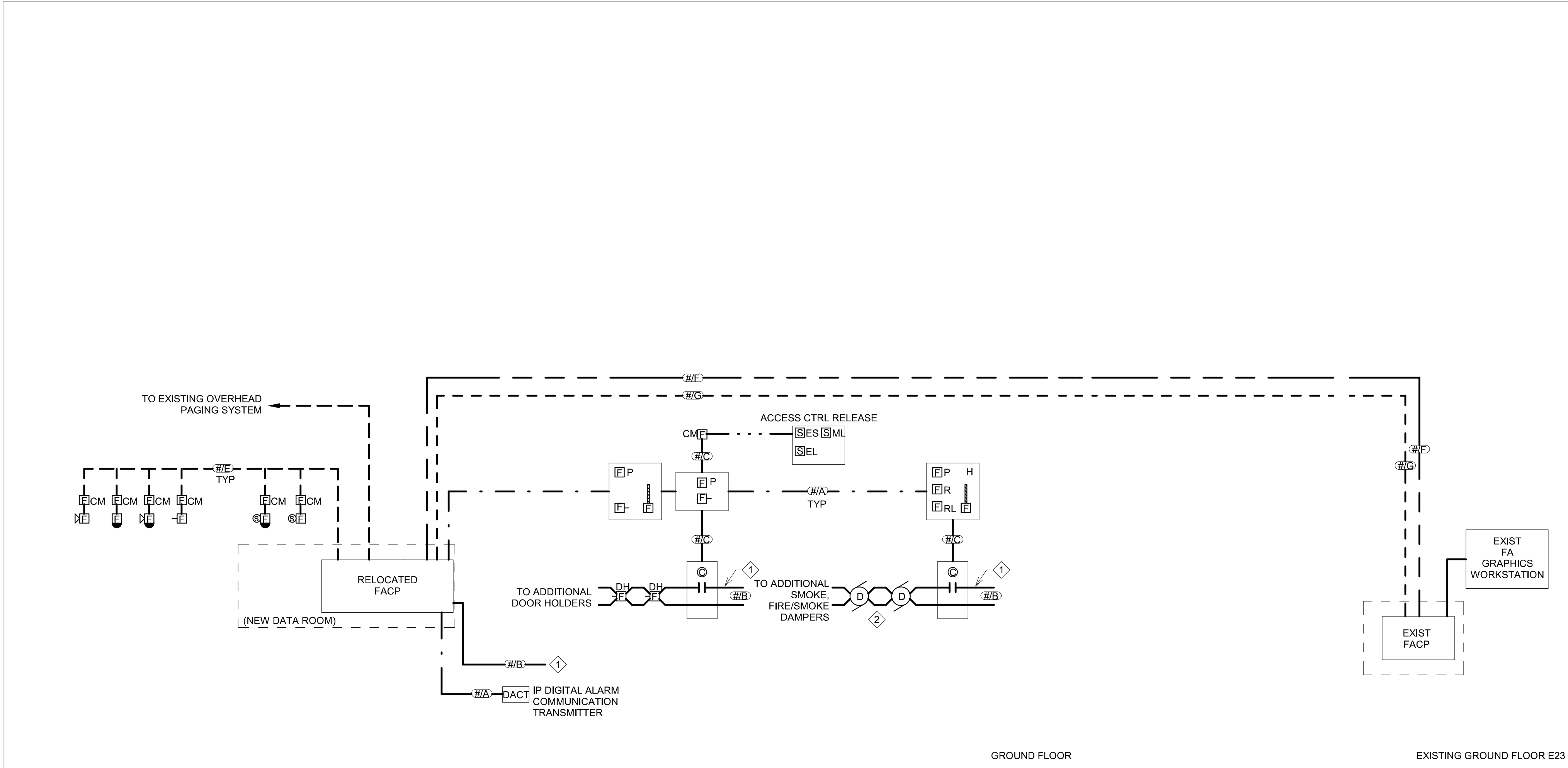
KEY NOTES

- ① LIFE SAFETY BRANCH CIRCUIT (REFER TO POWER PLAN DWGS).
- ② FIRE/SMOKE AND SMOKE DAMPER MOTORS ARE SHOWN ON MECHANICAL PLANS. VERIFY QUANTITIES AND LOCATIONS. PROVIDE FIRE ALARM CONNECTIONS TO RELAY SO THAT THE FIRE/SMOKE AND SMOKE DAMPERS CLOSE UPON LOSS OF POWER. (DIV. 26 SHALL PROVIDE RELAY AND CIRCUITING. SEE POWER PLANS FOR 120V CIRCUITING, RELAY LOCATIONS, ETC.) PROVIDE ONE (1) FIRE ALARM CONTROL MODULE PER FIRE/SMOKE DAMPER AND (1) ADDITIONAL FIRE ALARM CONTROL MODULE PER SMOKE ZONE FOR INTEGRATION WITH SMOKE EVACUATION SEQUENCE OF OPERATIONS. SEE ARCH. LIFE SAFETY PLANS FOR SMOKE ZONES.

CABLE TYPE

|     |                                        |
|-----|----------------------------------------|
|     | CABLE TYPE CALLOUT                     |
|     | CABLE QUANTITIES                       |
| #/A | INITIATING LINE CIRCUIT                |
| #/B | BRANCH CIRCUIT                         |
| #/C | CONTROL CIRCUIT                        |
| #/D | FIBER OPTIC CONNECTION                 |
| #/E | SIGNAL LINE CIRCUIT                    |
| #/F | PRIMARY BACKBONE (CLASS A)             |
| #/G | REDUNDANT BACKBONE (CLASS A)           |
| #/H | FUTURE FIRE FIGHTERS TELEPHONE HOMERUN |
| #/I | AUDIO INPUT                            |

② Fire Alarm Control Matrix  
NO SCALE



① FIRE ALARM CABLING RISER DIAGRAM  
NO SCALE

|           |             |            |
|-----------|-------------|------------|
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| 1         | ISSUE SET   | 08-18-2026 |
| Revision# | Description | Date:      |

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VA U.S. Department  
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Drawing Title

ELECTRICAL DETAILS

Approved:

Phase

Project Title

RENOVATE FIRST FLOOR FOR  
NEW KITCHEN FOR THE SIOUX  
FALLS VA MEDICAL CENTER

Issue Date

08-18-2026

Checked

CB

Drawn

BZ

Project Number

VA #438-21-403  
SGA #201956

Building Number

5

Drawing Number

EE502

# LIGHT FIXTURE SCHEDULE

| ELECTRICAL     |                                           |         |                          |                  |                |                                     |                              |                                             |                                                                             |                                                                                                                                                                                |
|----------------|-------------------------------------------|---------|--------------------------|------------------|----------------|-------------------------------------|------------------------------|---------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FIXTURE LETTER | FIXTURE STYLE                             | VOLTAGE | MOUNTING                 | LAMPS            | FIXTURE MAX VA | CONTROL MEDIA (LENS, LOUVER, ETC.)  | MANUFACTURER'S SERIES NUMBER | FIXTURE DESCRIPTION                         | NOTES                                                                       |                                                                                                                                                                                |
| A1             | 2X4 LED LENSED TROFFER                    | 120     | LAY-IN GRID INVERTED TEE | LED 5000 LUM MIN | 4000K          | BALLAST/ DRIVER DIMMING 0-10V (10%) | 50 VA                        | 0.125" MINIMUM ACRYLIC LENS                 | COOPER/METALUX GR SERIES COLUMBIA LLT SERIES LITHONIA 2GTL SERIES           | SPRING LATCHES, POST PAINTED STEEL HOUSING, FLUSH ALUM. MITERED CORNERED DOOR FRAME, GASKETED AND/OR WITH METAL LIGHT BAFFLES. DOOR CAN BE LATCHED FROM EITHER SIDE OF HOUSING |
| A2             | 2X4 LED LENSED TROFFER                    | 120     | LAY-IN GRID INVERTED TEE | LED 4000 LUM MIN | 4000K          | DIMMING 0-10V (10%)                 | 40 VA                        | 0.125" MINIMUM ACRYLIC LENS                 | COOPER/METALUX CZ SERIES OR APPROVED EQUAL                                  | SPRING LATCHES, POST PAINTED STEEL HOUSING, FLUSH ALUM. MITERED CORNERED DOOR FRAME, GASKETED AND/OR WITH METAL LIGHT BAFFLES. DOOR CAN BE LATCHED FROM EITHER SIDE OF HOUSING |
| E1             | EXIT SIGN, SINGLE FACE, EDGE LIT, AC ONLY | 120     | RECESSED                 | LED              | RED            | N/A                                 | 4 VA                         | RED LETTERS                                 | ISOLITE ELT SERIES DUAL LITE LE SERIES EVENLITE SOV SERIES                  | BRUSHED ALUMINUM BASE, CLEAR FACE, MIRROR BACK, UNIVERSAL FACEPLATE KIT, MOUNTING PER FLOOR PLAN, AC ONLY UL924                                                                |
| E2             | EXIT SIGN, DOUBLE FACE, EDGE LIT, AC ONLY | 120     | RECESSED                 | LED              | RED            | N/A                                 | 5 VA                         | RED LETTERS                                 | ISOLITE ELT SERIES DUAL LITE LE SERIES EVENLITE SOV SERIES                  | BRUSHED ALUMINUM BASE, CLEAR FACE, MIRROR BACK, UNIVERSAL FACEPLATE KIT, MOUNTING PER FLOOR PLAN, AC ONLY UL924                                                                |
| F4             | 4" INDUSTRIAL                             | 120     | SURFACE/ CHAIN HUNG      | LED 2500 LUM MIN | 4000K          | DIMMING 0-10V (10%)                 | 25 VA                        | SEMI FROSTED ACRYLIC LENS                   | COOPER/METALUX SNLED SERIES COLUMBIA CLX SERIES LITHONIA CLX SERIES         | STEEL CHANNEL, WHITE POWDER COAT                                                                                                                                               |
| F6A            | 4" INDUSTRIAL GASKETED VAPORTITE          | 120     | SURFACE/ CHAIN HUNG      | LED 4000 LUM MIN | 4000K          | DIMMING 0-10V (10%)                 | 50 VA                        | ACRYLIC, FROSTED LENS                       | COOPER/METALUX 4VT2-LD4 SERIES COLUMBIA LXEM SERIES LITHONIA FEM LED SERIES | WET LOCATION, IP-65                                                                                                                                                            |
| L2             | 1.5" X 8" RECESSED LINEAR                 | 120     | LAY-IN GRID INVERTED TEE | LED 3500 LUM MIN | 4000K          | DIMMING 0-10V (10%)                 | 90 VA                        | FLUSH, 0.125" MINIMUM ACRYLIC LENS          | NEO-RAY S121 SERIES AXIS SCULPT SERIES FOCAL POINT SEEM 1 SERIES            | EXTRUDED ALUMINUM HOUSING, STEEL CHANNEL, WHITE POWDER COAT                                                                                                                    |
| L3             | 4" X 2" RECESSED LINEAR                   | 120     | LAY-IN GRID INVERTED TEE | LED 700 LUM/FT   | 4000K          | DIMMING 0-10V (10%)                 | 35 VA                        | FLUSH, SNAP-IN SATIN LENS                   | NULITE RQ4 SERIES AXIS BEAM 4 SERIES MARK SL4L SERIES                       | CONTINUOUS WHITE ALUMINUM HOUSING                                                                                                                                              |
| L4             | 4" X 4" RECESSED LINEAR                   | 120     | LAY-IN GRID INVERTED TEE | LED 700 LUM/FT   | 4000K          | DIMMING 0-10V (10%)                 | 40 VA                        | FLUSH, SNAP-IN SATIN LENS                   | NULITE RQ4 SERIES AXIS BEAM 4 SERIES MARK SL4L SERIES                       | CONTINUOUS WHITE ALUMINUM HOUSING                                                                                                                                              |
| L11            | 8" SUSPENDED DIRECT/INDIRECT              | 120     | SUSPENDED 18" DROP       | LED 4000 LUM MIN | 4000K          | DIMMING 0-10V (10%)                 | 92 VA                        | ACRYLIC LENS, 35% INDIRECT/65% DIRECT       | CORONET ECO LED SERIES COOPER CORELITE J3 SERIES ALERA LPT SERIES           | CONTINUOUS WHITE HOUSING, POST PAINTED, MATTE WHITE POWDER COAT                                                                                                                |
| P4             | 12" PENDANT                               | 120     | PENDANT                  | LED 2000 LUM MIN | 4000K          | DIMMING 0-10V (10%)                 | 30 VA                        | N/A                                         | SHAPER SENSE DRUM SERIES OR APPROVED EQUAL                                  | TO BE DETERMINED                                                                                                                                                               |
| R3             | WEATHER PROOF WALL PACK - CYLINDER        | 120     | WALL                     | LED 800 LUM MIN  | 4000K          | DIMMING 0-10V                       | 15 VA                        | CLEAR TEMPERED GLASS, TYPE III DISTRIBUTION | LITHONIA OLLWD SERIES OR APPROVED EQUAL                                     | BRONZE, INTEGRAL PHOTOCCELL                                                                                                                                                    |

GENERAL ELECTRICAL NOTES:  
A. REFER TO SPECIFICATION SECTIONS 265100 AND 265600 FOR LIGHT FIXTURE REQUIREMENTS.  
B. BRING CONFLICTS BETWEEN THE MANUFACTURER'S CATALOG NUMBER AND DESCRIPTIONS TO THE ATTENTION OF THE ENGINEER.  
C. LIGHT SOURCE SHALL HAVE COLOR TEMPERATURE 3500K WITH MINIMUM CRI OF 80 UNLESS OTHERWISE NOTED.  
D. UNLESS A SPECIFIC CATALOG NUMBER OR SERIES IS NAMED, THE MANUFACTURER'S NAMED ALTERNATES MUST SUBMIT CATALOG CUT SHEETS AND IES FORMATTED PHOTOMETRIC REPORT TO THE ENGINEER FOR APPROVAL.  
E. AT LEAST 10 DAYS PRIOR TO BID DATE, THE ENGINEER MAY REQUEST SAMPLE OF LUMINAIRE TO BE SUPPLIED.  
F. MINIMUM LUMENS LISTED FOR LIGHT FIXTURES ARE DELIVERED LUMENS BASED ON PHOTOMETRIC TESTING COMPLETED IN ACCORDANCE WITH IES LM-79 STANDARDS.  
G. SUBSTITUTE LIGHT FIXTURE IS SUBJECT TO ARCHITECT/ENGINEER APPROVAL.

## NOTES:

# LIGHTING CONTROL SEQUENCE SCHEDULE

| LIGHTING CONTROL SEQUENCE SYMBOL FOUND ON LIGHTING PLAN(S). |                |                  |                         |                                       |              |               |               |       |  |
|-------------------------------------------------------------|----------------|------------------|-------------------------|---------------------------------------|--------------|---------------|---------------|-------|--|
| LC #                                                        | VACANCY SENSOR | OCCUPANCY SENSOR | AUTO OFF TIME (MINUTES) | LIGHT REDUCTION % SWITCHING (MIN 50%) | DIMMING TYPE | DIMMING LEVEL | MANUAL ON/OFF | NOTES |  |
| LC 1                                                        | -              | DT               | 15                      | 50                                    | 0-10V        | 0.01          | YES           |       |  |
| LC 2                                                        | -              | DT               | 20                      | 50                                    | 0-10V        | 0.01          | YES           |       |  |
| LC 3                                                        | PIR            |                  | 10                      | 50                                    | 0-10V        | 0.01          | YES           |       |  |

GENERAL NOTES:  
A. PROVIDE ALL PARTS AND PIECES NECESSARY TO MAKE A FUNCTIONAL LIGHTING CONTROL SYSTEM WITH ALL CONTROLS AS MARKED ABOVE.  
B. SUPPLIER TO PROVIDE COMPLETE WIRING DIAGRAM PRIOR TO INSTALLATION.  
C. IF DIMMING IS CALLED FOR IN SCHEDULE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND PROVIDE ALL NECESSARY PARTS, BALLASTS, DRIVERS, ETC. TO PROVIDE THE DIMMING FUNCTION.  
D. CONTRACTOR TO PROVIDE ALL WIRING NECESSARY INCLUDING ANY 0-10V CONTROL WIRING AS REQUIRED.  
E. CONTRACTOR MUST COMPLY WITH THE CONTROLS INTENT AS INDICATED ON THE DRAWINGS.  
F. AT MINIMUM, CONTRACTOR SHALL HOLD TWO PRE CONSTRUCTION MEETINGS, PRIOR TO BID, WITH THEIR SELECTED LIGHTING CONTROLS VENDOR OR SUPPLIER.  
G. THE INTENT OF (2) PRE CONSTRUCTION MEETINGS IS TO DEVELOP AN UNDERSTANDING OF THE CONTROLS SYSTEM TO ACCURATELY ACCOUNT FOR ALL POWER, CONTROLS, CABLING, EQUIPMENT AND CONNECTION REQUIREMENTS.  
H. CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS, ACCESSORIES AND ASSOCIATED LABOR FOR THEIR SELECTED LIGHTING CONTROLS SYSTEM.

## ELECTRICAL NOTES:

# SYSTEMS - VIDEO SURVEILLANCE SCHEDULE

| CAMERA              | ROOM NAME                  | ROOM # | CAMERA TYPE | HOUSING TYPE | MOUNTING        | NOTES |
|---------------------|----------------------------|--------|-------------|--------------|-----------------|-------|
| 02 FIRST FLOOR PLAN |                            |        |             |              |                 |       |
| C 1                 | CORRIDOR                   | 141C   | WIDE ANGLE  | DOME         | SURFACE CEILING |       |
| C 2                 | OFFICE                     | 191    | FIXED       | DOME         | SURFACE CEILING |       |
| C 3                 | RETAIL RECEIVING / STORAGE | 188A   | 360 DEGREE  | DOME         | SURFACE CEILING |       |
| C 4                 | RETAIL                     | 188    | 360 DEGREE  | DOME         | SURFACE CEILING |       |
| C 5                 | RETAIL                     | 188    | 360 DEGREE  | DOME         | SURFACE CEILING |       |
| C 6                 | RETAIL                     | 188    | FIXED       | DOME         | SURFACE CEILING |       |
| C 7                 | CORRIDOR                   | 141C   | FIXED       | DOME         | SURFACE CEILING |       |
| C 8                 | SERVING / GRAB & GO        | 181    | FIXED       | DOME         | SURFACE CEILING |       |
| C 9                 | PREP                       | 194    | 360 DEGREE  | DOME         | SURFACE CEILING |       |
| C 10                | SERVING / GRAB & GO        | 181    | 360 DEGREE  | DOME         | SURFACE CEILING |       |
| C 11                | SERVING / GRAB & GO        | 181    | WIDE ANGLE  | DOME         | SURFACE CEILING |       |
| C 12                | RECEIVING                  | 141    | 360 DEGREE  | DOME         | SURFACE CEILING |       |

# ELECTRICAL EQUIPMENT SCHEDULE

| EQUIPMENT TAG | DESCRIPTION                    | LOCATION                           | NUMBER | VOLTAGE | PHASE  | PANEL    | CIRCUIT NUMBER         | CONDUIT AND FEEDER SIZE | CONNECTION TYPE   | NOTES |
|---------------|--------------------------------|------------------------------------|--------|---------|--------|----------|------------------------|-------------------------|-------------------|-------|
| 2A            | CONDENSING UNIT                |                                    |        | 208 V   | 3      | 5-1-C1   | 15,17,19               | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 2B            | REFRIGERATION SYSTEM COIL      | BIOHAZARD COOLER                   | 199A   | 120 V   | 1      | 5-1-C1   | 37                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 3             | WALK-IN CONNECTION             | RECEIVING                          | 141    | 120 V   | 1      | 5-1-C1   | 33                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 4A            | CONDENSING UNIT                |                                    |        | 208 V   | 3      | 5-1-C1   | 21,23,25               | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 4B            | REFRIGERATION SYSTEM COIL      | FREEZER                            | 143C   | 120 V   | 1      | 5-1-C1   | 1                      | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 4B            | REFRIGERATION SYSTEM COIL      | FREEZER                            | 143C   | 120 V   | 1      | 5-1-C1   | 1                      | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 5A            | CONDENSING UNIT                |                                    |        | 208 V   | 3      | 5-1-C1   | 27,29,31               | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 5B            | FREEZER SYSTEM COIL            | COOLER                             | 143B   | 120 V   | 1      | 5-1-C1   | 5                      | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 5B            | FREEZER SYSTEM COIL            | COOLER                             | 143B   | 120 V   | 1      | 5-1-C1   | 5                      | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 13            | REACH-IN REFRIGERATOR          | RECEIVING                          | 141    | 120 V   | 1      | 5-1-C1   | 13                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 23            | DISHMACHINE W/BOOSTER HEATER   | DISHWASH / POTS & PANS             | 142    | 208 V   | 3      | SWBD 5-1 | 1                      | 2"C, 3-3/8 & 1#6 GND    | CONTROL PANEL     |       |
| 26            | MINI WASTE XPRESS SYSTEM       | DISHWASH / POTS & PANS             | 142    | 208 V   | 3      | 5-1-N1   | 7,9,11                 | 3/4"C, 3#8 & 1#10 GND   | CONTROL PANEL     |       |
| 31            | TEA BREWER                     | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C2   | 21                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 35            | POT AND PAN SINK W/AGITATOR    | DISHWASH / POTS & PANS             | 142    | 208 V   | 3      | SWBD 5-1 | 4                      | 1"C, 4#6 & 1#6 GND      | DIRECT CONNECT    |       |
| 44            | AIRPOT BREWER                  | KITCHEN                            | 143    | 208 V   | 2      | 5-1-C2   | 23,25                  | 3/4"C, 2#8 & 1#10 GND   | 6-30P             |       |
| 45            | TRIPL 5 GALLON BOWL            | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C2   | 27                     | 3/4"C, 2#12 & 1#12 GND  |                   |       |
| 46            | ICE DISPENSER                  | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C2   | 19                     | 3/4"C, 2#12 & 1#12 GND  |                   |       |
| 47A           | MOBILE AIR SCREEN REFRIGERATOR | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 2                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 47B           | MOBILE AIR SCREEN REFRIGERATOR | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 4                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 48A           | REACH-IN FREEZER               | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 2                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 48B           | REACH-IN FREEZER               | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 4                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 52            | LOAD CENTER A                  | KITCHEN                            | 143    | 208 V   | 3      | 5-1-C2   | 1,3,5                  | 1 1/4"C, 3#3 & 1# 5 GND | DIRECT CONNECT    |       |
| 60            | MICROWAVE OVEN                 | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 6                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 62            | MOBILE WARMING CABINET         | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 8                      | 3/4"C, 2#12 & 1#12 GND  | 5-20P             |       |
| 63            | EXHAUST HOOD (TYPE 1)          | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 53                     | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 64            | FIRE PROTECTION SYSTEM         | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 55                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 66            | EXHAUST HOOD (TYPE 1)          | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 57                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 68A           | GRILL                          | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C2   | 17                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 68B           | REFRIGERATED BASE              | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C2   | 17                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 69            | REFRIGERATED PREP TABLE        | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C2   | 17                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 72            | CONVEYOR TOASTER               | KITCHEN                            | 143    | 208 V   | 2      | 5-1-C2   | 13,15                  | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 73            | ACCELERATED OVEN               | KITCHEN                            | 143    | 208 V   | 3      | 5-1-C2   | 7,9,11                 | 3/4"C, 3#10 & 1#10 GND  | 6-50P             |       |
| 75            | REACH-IN REFRIGERATOR          | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 11                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 76            | EXHAUST HOOD (TYPE 1)          | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 59                     | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 77            | FIRE PROTECTION SYSTEM         | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 55                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 78            | EXHAUST HOOD (TYPE 1)          | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 30                     | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 83            | COMBI OVEN                     | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 11                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 84A           | CONVECTION OVEN                | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 9                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 84B           | CONVECTION OVEN                | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 9                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 85            | 12 GALLON KETTLE               | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 7                      | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 87            | STEAMER                        | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 7                      | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT(2) |       |
| 88            | BLENDER                        | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 16                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 89            | WORKCOUNTER/BLENDER            | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 10                     | 3/4"C, 2#10 & 1#10 GND  | DIRECT CONNECT    |       |
| 93            | FOOD PROCESSOR                 | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 12                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 95            | 20 QUART MIXER                 | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 14                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 97            | SLICER                         | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 14                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 103           | POWER MIXER                    | KITCHEN                            | 143    | 120 V   | 1      | 5-1-C1   | 12                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 203           | WALK-IN CONNECTION             | PREP                               | 194    | 120 V   | 1      | 5-1-C1   | 35                     | 3/4"C, 2#12 & 1#12 GND  |                   |       |
| 204A          | CONDENSING UNIT                |                                    |        | 208 V   | 3      | 5-1-C1   | 18,20,22               | 3/4"C, 3#12 & 1#12 GND  |                   |       |
| 204B          | REFRIGERATION SYSTEM COIL      | COOLER                             | 194A   | 120 V   | 1      | 5-1-C1   | 39                     | 3/4"C, 2#12 & 1#12 GND  |                   |       |
| 205A          | CONDENSING UNIT                |                                    |        | 208 V   | 3      | 5-1-C1   | 24,26,28               | 3/4"C, 3#12 & 1#12 GND  |                   |       |
| 205B          | FREEZER SYSTEM COIL            | FREEZER                            | 194B   | 120 V   | 1      | 5-1-C1   | 41                     | 3/4"C, 2#12 & 1#12 GND  |                   |       |
| 207A          | ICE MAKER                      | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 13                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 216           | EXHAUST HOOD (TYPE 1)          | PREP                               | 194    | 120 V   | 1      | 5-1-C1   | 36                     | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 217           | FIRE PROTECTION SYSTEM         | PREP                               | 194    | 120 V   | 1      | 5-1-C1   | 32                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 220           | UNDERCOUNTER REFRIGERATOR      | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 15                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 222A          | COMBI OVEN                     | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 19                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 222B          | CONVECTION OVEN                | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 17                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 225           | 6 GALLON KETTLES               | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 19                     | 3/4"C, 2#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 227           | PASS-THRU WARMING CABINET      | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 21                     | 3/4"C, 2#12 & 1#12 GND  | 5-20P             |       |
| 228           | REFRIGERATED PREP TABLE        | PREP                               | 194    | 120 V   | 1      | 5-1-N1   | 18                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 232           | REACH-IN REFRIGERATOR          | COFFEE, VENDING & CATERING STORAGE | 189    | 120 V   | 1      | 5-1-N1   | 29                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 235A          | REACH-IN REFRIGERATOR          | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-N1   | 16                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 235B          | REACH-IN REFRIGERATOR          | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-N1   | 16                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 236           | PRODUCT HOLDING BIN            | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-N1   | 14                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 237           | REFRIGERATED PREP TABLE        | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-N1   | 23                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 238           | EXHAUST HOOD (TYPE 1)          | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-C1   | 34                     | 3/4"C, 3#12 & 1#12 GND  | DIRECT CONNECT    |       |
| 239           | FIRE PROTECTION SYSTEM         |                                    | 120 V  | 1       | 5-1-C1 | 32       | 3/4"C, 2#12 & 1#12 GND | DIRECT CONNECT          |                   |       |
| 244           | FRYER                          | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-N1   | 25                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 245           | WORKTOP FREEZER                | SERVING / GRAB & GO                | 181    | 120 V   | 1      | 5-1-N1   | 27                     | 3/4"C, 2#12 & 1#12 GND  | 5-15P             |       |
| 246A          | CONVEYOR TOASTER               | SERVING / GRAB & GO                | 181    | 208 V   | 1      | 5-1-N1   | 10,12                  | 3/4"C, 2#12 & 1#12 GND  | 6-20P             |       |

Three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|------|------------------|-------|------------------------|--------------------------------------|---------------------|-----|
| NAME: 5-1-C1                                                                                                                                                                                                                                   |                              |              |      |                  |       |                        |                                      |                     |     |
| ENCLOSURE: NEMA 1                                                                                                                                                                                                                              |                              | SUPPLY FROM: |      | VOLTAGE: 120/208 |       | MIN. BUS RATING: 225 A |                                      |                     |     |
| MOUNTING: SURFACE                                                                                                                                                                                                                              |                              |              |      | PHASE: 3         |       | MAIN SIZE: 200 A       |                                      |                     |     |
| LOCATION: ELEC RM 182                                                                                                                                                                                                                          |                              |              |      | WIRE: 4          |       | MAIN OPTIONS: MCB      |                                      |                     |     |
| CKT                                                                                                                                                                                                                                            | CIRCUIT DESCRIPTION          | NOTES        | TRIP | POLES            | POLES | TRIP                   | NOTES                                | CIRCUIT DESCRIPTION | CKT |
| 1                                                                                                                                                                                                                                              | FREEZER 143C COIL            |              | 20   | 1                | 1     | 20                     | Air Screen Fridge & Reach in Freezer |                     | 2   |
| 3                                                                                                                                                                                                                                              | FREEZER 143C COIL            |              | 20   | 1                | 1     | 20                     | Air Screen Fridge & Reach in Freezer |                     | 4   |
| 5                                                                                                                                                                                                                                              | COOLER 143B COIL             |              | 20   | 1                | 1     | 20                     | MICROWAVE OVEN                       |                     | 6   |
| 7                                                                                                                                                                                                                                              | Kettle & Steamer             |              | 20   | 1                | 1     | 20                     | Warming Cabinet                      |                     | 8   |
| 9                                                                                                                                                                                                                                              | Convection oven              |              | 20   | 1                | 1     | 30                     | Blender Workcounter                  |                     | 10  |
| 11                                                                                                                                                                                                                                             | Fridge & Combi Oven          |              | 20   | 1                | 1     | 20                     | Food Processor & Power Mixer         |                     | 12  |
| 13                                                                                                                                                                                                                                             | Reach in RECEIVING 141       |              | 20   | 1                | 1     | 20                     | 20 Quart mixer & Slicer              |                     | 14  |
| 15                                                                                                                                                                                                                                             |                              |              |      |                  | 1     | 20                     | Blender                              |                     | 16  |
| 17                                                                                                                                                                                                                                             | CONDENSING UNIT (2A)         |              | 20   | 3                |       |                        |                                      |                     | 18  |
| 19                                                                                                                                                                                                                                             |                              |              |      |                  | 3     | 20                     | CONDENSING UNIT (204A)               |                     | 20  |
| 21                                                                                                                                                                                                                                             |                              |              |      |                  |       |                        |                                      |                     | 22  |
| 23                                                                                                                                                                                                                                             | CONDENSING UNIT (4A)         |              | 20   | 3                |       |                        |                                      |                     | 24  |
| 25                                                                                                                                                                                                                                             |                              |              |      |                  | 3     | 20                     | CONDENSING UNIT (205A)               |                     | 26  |
| 27                                                                                                                                                                                                                                             |                              |              |      |                  |       |                        |                                      |                     | 28  |
| 29                                                                                                                                                                                                                                             | CONDENSING UNIT (5A)         |              | 20   | 3                | 1     | 20                     | EXHAUST HOOD                         |                     | 30  |
| 31                                                                                                                                                                                                                                             |                              |              |      |                  | 1     | 20                     | FIRE PROTECTION                      |                     | 32  |
| 33                                                                                                                                                                                                                                             | WALK IN CONNECTION NFS       |              | 30   | 1                | 1     | 20                     | EXHAUST HOOD                         |                     | 34  |
| 35                                                                                                                                                                                                                                             | WALK IN CONNECTION VCS       |              | 20   | 1                | 1     | 20                     | EXHAUST HOOD                         |                     | 36  |
| 37                                                                                                                                                                                                                                             | BIO HAZARD COIL              |              | 20   | 1                |       |                        |                                      |                     | 38  |
| 39                                                                                                                                                                                                                                             | 194A COIL                    |              | 20   | 1                | 3     | 50                     | HWPP 5-02                            |                     | 40  |
| 41                                                                                                                                                                                                                                             | 194B COIL                    |              | 20   | 1                |       |                        |                                      |                     | 42  |
| 43                                                                                                                                                                                                                                             | RCPTS RMS 144,144A,144B,144C |              | 20   | 1                |       |                        |                                      |                     | 44  |
| 45                                                                                                                                                                                                                                             | RECEPTS RM 193, 195, 196     |              | 20   | 1                | 3     | 50                     | HWPP 5-01                            |                     | 46  |
| 47                                                                                                                                                                                                                                             | RECEPTS RM 190,191,192       |              | 20   | 1                |       |                        |                                      |                     | 48  |
| 49                                                                                                                                                                                                                                             | POS GRAB & GO                |              | 20   | 1                | 1     | 20                     | SPARE                                |                     | 50  |
| 51                                                                                                                                                                                                                                             | RETAIL POS                   |              | 20   | 1                | 1     | 20                     | SPARE                                |                     | 52  |
| 53                                                                                                                                                                                                                                             | EXHAUST HOOD                 |              | 20   | 1                | 1     | 20                     | SPARE                                |                     | 54  |
| 55                                                                                                                                                                                                                                             | FIRE PROTECTION              |              | 20   | 1                | 1     | 20                     | SPARE                                |                     | 56  |
| 57                                                                                                                                                                                                                                             | EXHAUST HOOD                 |              | 20   | 1                | 1     | 20                     | SPARE                                |                     | 58  |
| 59                                                                                                                                                                                                                                             | EXHAUST HOOD                 |              | 20   | 1                | 1     | 20                     | SPARE                                |                     | 60  |
| GENERAL NOTES:<br>A. SEE RISER DIAGRAM FOR CALCULATED AVAILABLE FAULT CURRENT. PANELBOARD AND ASSOCIATED DEVICES WITHIN PANELBOARD ASSEMBLY SHALL HAVE A SHORT CIRCUIT CURRENT RATING HIGHER THAN THE CALCULATED VALUE SHOWN ON RISER DIAGRAM. |                              |              |      |                  |       |                        |                                      |                     |     |
| NOTES:<br>1.<br>2.<br>3.<br>4.                                                                                                                                                                                                                 |                              |              |      |                  |       |                        |                                      |                     |     |

|                                                                                                                                                                                                                                                |                                   |                       |      |                  |       |                        |                                     |                     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------|------|------------------|-------|------------------------|-------------------------------------|---------------------|-----|
| NAME: 5-1-N1                                                                                                                                                                                                                                   |                                   |                       |      |                  |       |                        |                                     |                     |     |
| ENCLOSURE: NEMA 1                                                                                                                                                                                                                              |                                   | SUPPLY FROM: SWBD 5-2 |      | VOLTAGE: 120/208 |       | MIN. BUS RATING: 225 A |                                     |                     |     |
| MOUNTING: SURFACE                                                                                                                                                                                                                              |                                   |                       |      | PHASE: 3         |       | MAIN SIZE: 200 A       |                                     |                     |     |
| LOCATION: ELEC RM 182                                                                                                                                                                                                                          |                                   |                       |      | WIRE: 4          |       | MAIN OPTIONS: MCB      |                                     |                     |     |
| CKT                                                                                                                                                                                                                                            | CIRCUIT DESCRIPTION               | NOTES                 | TRIP | POLES            | POLES | TRIP                   | NOTES                               | CIRCUIT DESCRIPTION | CKT |
| 1                                                                                                                                                                                                                                              | DOOR OPERATOR                     |                       | 20   | 1                |       |                        |                                     |                     | 2   |
| 3                                                                                                                                                                                                                                              | DOOR OPERATOR                     |                       | 20   | 1                | 1     | 20                     | Display Fridge                      |                     | 4   |
| 5                                                                                                                                                                                                                                              | DOOR OPERATOR                     |                       | 20   | 1                | 2     | 40                     | Accelerated Oven                    |                     | 6   |
| 7                                                                                                                                                                                                                                              |                                   |                       |      |                  |       |                        |                                     |                     | 8   |
| 9                                                                                                                                                                                                                                              | MINI WASTE XPRESS SYSTEM          |                       | 20   | 3                | 2     | 20                     | TOASTER                             |                     | 10  |
| 11                                                                                                                                                                                                                                             |                                   |                       |      |                  |       |                        |                                     |                     | 12  |
| 13                                                                                                                                                                                                                                             | ICE MAKER                         |                       | 20   | 1                | 1     | 20                     | HOLDING BIN                         |                     | 14  |
| 15                                                                                                                                                                                                                                             | UNDER COUNTER FRIDGE              |                       | 20   | 1                | 1     | 20                     | UNDERCOUNTER FRIDGE                 |                     | 16  |
| 17                                                                                                                                                                                                                                             | Convection Oven                   |                       | 20   | 1                | 1     | 20                     | REFRIGERATED PREP TABLE             |                     | 18  |
| 19                                                                                                                                                                                                                                             | Combi Oven, 6 gallon Kettle       |                       | 20   | 1                | 1     | 20                     | RECEPTS RM 190,191,192              |                     | 20  |
| 21                                                                                                                                                                                                                                             | PASS THRU WARMING CAB             |                       | 20   | 1                | 1     | 20                     | RECEPTS RM 198,198A,198B,198C       |                     | 22  |
| 23                                                                                                                                                                                                                                             | REFRIGERATED PREP TABLE           |                       | 20   | 1                | 1     | 20                     | RECEPTS RM 193, 195, 196            |                     | 24  |
| 25                                                                                                                                                                                                                                             | FRYER                             |                       | 20   | 1                | 1     | 20                     | RCPTS RM 144B, 144C                 |                     | 26  |
| 27                                                                                                                                                                                                                                             | WORKTOP FREEZER                   |                       | 20   | 1                | 1     | 20                     | RCPTS RM 144, 144A                  |                     | 28  |
| 29                                                                                                                                                                                                                                             | REACH IN VENDING                  |                       | 20   | 1                | 1     | 20                     | Convenience recept kitchen/corridor |                     | 30  |
| 31                                                                                                                                                                                                                                             | 198 FRIDGE                        |                       | 20   | 1                | 1     | 20                     | DINING LIGHTING                     |                     | 32  |
| 33                                                                                                                                                                                                                                             | 198 MICROWAVE                     |                       | 20   | 1                | 1     | 20                     | 188,188A,190-193,195-198 LIGHTING   |                     | 34  |
| 35                                                                                                                                                                                                                                             | 198 COFFEE                        |                       | 20   | 1                | 1     | 20                     | 141,181,189,194 LIGHTING            |                     | 36  |
| 37                                                                                                                                                                                                                                             | KITCHEN & OFFICE 144 LIGHTING     |                       | 20   | 1                | 1     | 20                     | SPARE                               |                     | 38  |
| 39                                                                                                                                                                                                                                             | 142A,142, 143A,181A, 183 LIGHTING |                       | 20   | 1                | 1     | 20                     | SPARE                               |                     | 40  |
| 41                                                                                                                                                                                                                                             | SPARE                             |                       | 20   | 1                | 1     | 20                     | SPARE                               |                     | 42  |
| GENERAL NOTES:<br>A. SEE RISER DIAGRAM FOR CALCULATED AVAILABLE FAULT CURRENT. PANELBOARD AND ASSOCIATED DEVICES WITHIN PANELBOARD ASSEMBLY SHALL HAVE A SHORT CIRCUIT CURRENT RATING HIGHER THAN THE CALCULATED VALUE SHOWN ON RISER DIAGRAM. |                                   |                       |      |                  |       |                        |                                     |                     |     |
| NOTES:<br>1.<br>2.<br>3.<br>4.                                                                                                                                                                                                                 |                                   |                       |      |                  |       |                        |                                     |                     |     |

|                                                                                                                                                                                                                                                |                                 |              |      |                  |       |                        |        |                     |     |
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| NAME: 5-1-C2                                                                                                                                                                                                                                   |                                 |              |      |                  |       |                        |        |                     |     |
| ENCLOSURE: NEMA 1                                                                                                                                                                                                                              |                                 | SUPPLY FROM: |      | VOLTAGE: 120/208 |       | MIN. BUS RATING: 225 A |        |                     |     |
| MOUNTING: SURFACE                                                                                                                                                                                                                              |                                 |              |      | PHASE: 3         |       | MAIN SIZE: 200 A       |        |                     |     |
| LOCATION: ELEC RM 182                                                                                                                                                                                                                          |                                 |              |      | WIRE: 4          |       | MAIN OPTIONS: MCB      |        |                     |     |
| CKT                                                                                                                                                                                                                                            | CIRCUIT DESCRIPTION             | NOTES        | TRIP | POLES            | POLES | TRIP                   | NOTES  | CIRCUIT DESCRIPTION | CKT |
| 1                                                                                                                                                                                                                                              |                                 |              |      |                  |       |                        |        |                     | 2   |
| 3                                                                                                                                                                                                                                              | Load Center 52                  |              | 90   | 3                | 2     | 20                     | HP-07  |                     | 4   |
| 5                                                                                                                                                                                                                                              |                                 |              |      |                  | 2     | 20                     | HP-08A |                     | 6   |
| 7                                                                                                                                                                                                                                              |                                 |              |      |                  | 2     | 20                     | HP-08B |                     | 8   |
| 9                                                                                                                                                                                                                                              | Accelerated Oven                |              | 30   | 3                | 2     | 20                     | HP-08C |                     | 10  |
| 11                                                                                                                                                                                                                                             |                                 |              |      |                  |       |                        |        |                     | 12  |
| 13                                                                                                                                                                                                                                             | Toaster Oven                    |              | 20   | 2                | 2     | 20                     | HP-08D |                     | 14  |
| 15                                                                                                                                                                                                                                             |                                 |              |      |                  | 2     | 20                     | HP-08E |                     | 16  |
| 17                                                                                                                                                                                                                                             | Grill, Refrig Base, Refrig prep |              | 20   | 1                | 2     | 20                     | HP-09  |                     | 18  |
| 19                                                                                                                                                                                                                                             | Ice Dispenser                   |              | 20   | 1                | 2     | 20                     | HP-10  |                     | 20  |
| 21                                                                                                                                                                                                                                             | Tea Brewer                      |              | 20   | 1                | 1     | 20                     | SPARE  |                     | 22  |
| 23                                                                                                                                                                                                                                             | Coffee Brewer                   |              | 40   | 2                | 1     | 20                     | SPARE  |                     | 24  |
| 25                                                                                                                                                                                                                                             |                                 |              |      |                  | 1     | 20                     | SPARE  |                     | 26  |
| 27                                                                                                                                                                                                                                             | Triple 5 Gallon Bowl            |              | 20   | 1                | 1     | 20                     | SPARE  |                     | 28  |
| 29                                                                                                                                                                                                                                             | HP-01,HP-02                     |              | 20   | 2                | 2     | 20                     | SPARE  |                     | 30  |
| 31                                                                                                                                                                                                                                             |                                 |              |      |                  | 1     | 20                     | SPARE  |                     | 32  |
| 33                                                                                                                                                                                                                                             | HP-03,HP-04                     |              | 20   | 2                | 1     | 20                     | SPARE  |                     | 34  |
| 35                                                                                                                                                                                                                                             |                                 |              |      |                  | 1     | 20                     | SPARE  |                     | 36  |
| 37                                                                                                                                                                                                                                             | HP-05,HP-06                     |              | 20   | 2                | 1     | 20                     | SPARE  |                     | 38  |
| 41                                                                                                                                                                                                                                             | RCPT ELEC RM 182                |              | 20   | 1                | 1     | 20                     | SPARE  |                     | 40  |
| GENERAL NOTES:<br>A. SEE RISER DIAGRAM FOR CALCULATED AVAILABLE FAULT CURRENT. PANELBOARD AND ASSOCIATED DEVICES WITHIN PANELBOARD ASSEMBLY SHALL HAVE A SHORT CIRCUIT CURRENT RATING HIGHER THAN THE CALCULATED VALUE SHOWN ON RISER DIAGRAM. |                                 |              |      |                  |       |                        |        |                     |     |
| NOTES:<br>1.<br>2.<br>3.<br>4.                                                                                                                                                                                                                 |                                 |              |      |                  |       |                        |        |                     |     |

|                                                                                                                                                                                                                                                |                               |                       |      |                  |       |                        |                           |                     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------|------|------------------|-------|------------------------|---------------------------|---------------------|-----|
| NAME: 5-1-N2                                                                                                                                                                                                                                   |                               |                       |      |                  |       |                        |                           |                     |     |
| ENCLOSURE: NEMA 1                                                                                                                                                                                                                              |                               | SUPPLY FROM: SWBD 5-2 |      | VOLTAGE: 120/208 |       | MIN. BUS RATING: 225 A |                           |                     |     |
| MOUNTING: SURFACE                                                                                                                                                                                                                              |                               |                       |      | PHASE: 3         |       | MAIN SIZE: 200 A       |                           |                     |     |
| LOCATION: ELEC RM 182                                                                                                                                                                                                                          |                               |                       |      | WIRE: 4          |       | MAIN OPTIONS: MCB      |                           |                     |     |
| CKT                                                                                                                                                                                                                                            | CIRCUIT DESCRIPTION           | NOTES                 | TRIP | POLES            | POLES | TRIP                   | NOTES                     | CIRCUIT DESCRIPTION | CKT |
| 1                                                                                                                                                                                                                                              |                               |                       |      |                  |       |                        |                           |                     | 2   |
| 3                                                                                                                                                                                                                                              | LOAD CENTER C                 |                       | 60   | 3                | 3     | 60                     | LOAD CENTER D             |                     | 4   |
| 5                                                                                                                                                                                                                                              |                               |                       |      |                  |       |                        |                           |                     | 6   |
| 7                                                                                                                                                                                                                                              |                               |                       |      |                  | 2     | 20                     | REFRIGERATED DISPLAY CASE |                     | 8   |
| 9                                                                                                                                                                                                                                              | LOAD CENTER B                 |                       | 30   | 3                | 2     | 20                     | REFRIGERATED DISPLAY CASE |                     | 10  |
| 11                                                                                                                                                                                                                                             |                               |                       |      |                  |       |                        |                           |                     | 12  |
| 13                                                                                                                                                                                                                                             | Cream disp, Soda Disp         |                       | 20   | 1                | 2     | 20                     | REFRIGERATED DISPLAY CASE |                     | 14  |
| 15                                                                                                                                                                                                                                             | Coffee Brewer                 |                       | 40   | 2                | 1     | 20                     | RETAIL RCPT               |                     | 16  |
| 17                                                                                                                                                                                                                                             |                               |                       |      |                  | 1     | 20                     | RETAIL RCPT               |                     | 18  |
| 19                                                                                                                                                                                                                                             | Tea Brewer                    |                       | 20   | 1                | 1     | 20                     | EXTERIOR DOCK RECEPTACLE  |                     | 20  |
| 21                                                                                                                                                                                                                                             | Ice Maker                     |                       | 20   | 1                | 1     | 20                     | VENDING                   |                     | 22  |
| 23                                                                                                                                                                                                                                             | Trash Compactor               |                       | 20   | 1                | 1     | 20                     | VENDING                   |                     | 24  |
| 25                                                                                                                                                                                                                                             | GENERIC RECPT DINING 180      |                       | 20   | 1                | 1     | 20                     | VENDING                   |                     | 26  |
| 27                                                                                                                                                                                                                                             | RECPT HAC 183, 197            |                       | 20   | 1                | 1     | 20                     | FUTURE VENDING            |                     | 28  |
| 29                                                                                                                                                                                                                                             | RCPT ELEC RM 182              |                       | 20   | 1                | 2     | 20                     | GLP 5-01                  |                     | 30  |
| 31                                                                                                                                                                                                                                             | RCPT RECEIVING / STORAGE 188A |                       | 20   | 1                | 2     | 20                     | GLP 5-02                  |                     | 32  |
| 33                                                                                                                                                                                                                                             | SPARE                         |                       | 20   | 1                | 1     | 20                     | SPARE                     |                     | 34  |
| 35                                                                                                                                                                                                                                             | SPARE                         |                       | 20   | 1                | 1     | 20                     | SPARE                     |                     | 36  |
| 37                                                                                                                                                                                                                                             | SPARE                         |                       | 20   | 1                | 1     | 20                     | SPARE                     |                     | 38  |
| 39                                                                                                                                                                                                                                             | SPARE                         |                       | 20   | 1                | 1     | 20                     | SPARE                     |                     | 40  |
| 41                                                                                                                                                                                                                                             | SPARE                         |                       | 20   | 1                | 1     | 20                     | SPARE                     |                     | 42  |
| GENERAL NOTES:<br>A. SEE RISER DIAGRAM FOR CALCULATED AVAILABLE FAULT CURRENT. PANELBOARD AND ASSOCIATED DEVICES WITHIN PANELBOARD ASSEMBLY SHALL HAVE A SHORT CIRCUIT CURRENT RATING HIGHER THAN THE CALCULATED VALUE SHOWN ON RISER DIAGRAM. |                               |                       |      |                  |       |                        |                           |                     |     |
| NOTES:<br>1.<br>2.<br>3.<br>4.                                                                                                                                                                                                                 |                               |                       |      |                  |       |                        |                           |                     |     |

|                                                                                                                                                                                                                                                |                                    |              |      |                  |       |                        |                   |                     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------|------|------------------|-------|------------------------|-------------------|---------------------|-----|
| NAME: ELL                                                                                                                                                                                                                                      |                                    |              |      |                  |       |                        |                   |                     |     |
| ENCLOSURE: NEMA 1                                                                                                                                                                                                                              |                                    | SUPPLY FROM: |      | VOLTAGE: 120/208 |       | MIN. BUS RATING: 225 A |                   |                     |     |
| MOUNTING: SURFACE                                                                                                                                                                                                                              |                                    |              |      | PHASE: 3         |       | MAIN SIZE: 200 A       |                   |                     |     |
| LOCATION:                                                                                                                                                                                                                                      |                                    |              |      | WIRE: 4          |       | MAIN OPTIONS:          |                   |                     |     |
| CKT                                                                                                                                                                                                                                            | CIRCUIT DESCRIPTION                | NOTES        | TRIP | POLES            | POLES | TRIP                   | NOTES             | CIRCUIT DESCRIPTION | CKT |
| 1                                                                                                                                                                                                                                              | LIGHTS WEST GEN RM                 |              | 20   | 1                | 1     | 20                     | LIGHTS DIST RM    |                     | 2   |
| 3                                                                                                                                                                                                                                              | EMERGENCY LIGHTS/OUTLETS DIST ROOM |              | 20   | 1                | 1     | 20                     | EXIT LIGHT - WEST |                     | 4   |
| 5                                                                                                                                                                                                                                              | SPARE                              |              | 20   | 1                | 1     | 20                     | RECP GEAR ROOM    |                     | 6   |
| 7                                                                                                                                                                                                                                              | KITCHEN/DINING EMERGENCY LIGHTING  |              | 20   | 1                | 1     | 20                     | SPARE             |                     | 8   |
| 9                                                                                                                                                                                                                                              |                                    |              |      |                  | 1     | 20                     | EXHAUST FAN       |                     | 10  |
| 11                                                                                                                                                                                                                                             |                                    |              |      |                  | 1     | --                     | SPACE             |                     | 12  |
| 13                                                                                                                                                                                                                                             |                                    |              |      |                  | 1     | --                     | SPACE             |                     | 14  |
| 15                                                                                                                                                                                                                                             | SPACE                              |              | --   | 1                | 1     | --                     | SPACE             |                     | 16  |
| 17                                                                                                                                                                                                                                             | SPACE                              |              | --   | 1                | 1     | --                     | SPACE             |                     | 18  |
| 19                                                                                                                                                                                                                                             | SPACE                              |              | --   | 1                | 1     | --                     | SPACE             |                     | 20  |
| 21                                                                                                                                                                                                                                             | SPACE                              |              | --   | 1                | 1     | --                     | SPACE             |                     | 22  |
| 23                                                                                                                                                                                                                                             | SPACE                              |              | --   | 1                | 1     | --                     | SPACE             |                     | 24  |
| GENERAL NOTES:<br>A. SEE RISER DIAGRAM FOR CALCULATED AVAILABLE FAULT CURRENT. PANELBOARD AND ASSOCIATED DEVICES WITHIN PANELBOARD ASSEMBLY SHALL HAVE A SHORT CIRCUIT CURRENT RATING HIGHER THAN THE CALCULATED VALUE SHOWN ON RISER DIAGRAM. |                                    |              |      |                  |       |                        |                   |                     |     |
| NOTES:<br>1.<br>2.<br>3.<br>4.                                                                                                                                                                                                                 |                                    |              |      |                  |       |                        |                   |                     |     |

|                                                                                                                                                                                                                              |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|--|--|-----------------------|------|-------|--|-------|------------------|-------|---------------------|--|--|------------------------|-----|--|--|--|
| NAME: 5-1-N3                                                                                                                                                                                                                 |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| ENCLOSURE: NEMA 1                                                                                                                                                                                                            |                     |  |  |  | SUPPLY FROM: SWBD 5-2 |      |       |  |       | VOLTAGE: 120/208 |       |                     |  |  | MIN. BUS RATING: 225 A |     |  |  |  |
| MOUNTING: SURFACE                                                                                                                                                                                                            |                     |  |  |  |                       |      |       |  |       | PHASE: 3         |       |                     |  |  | MAIN SIZE: 200 A       |     |  |  |  |
| LOCATION: ELEC RM 182                                                                                                                                                                                                        |                     |  |  |  |                       |      |       |  |       | WIRE: 4          |       |                     |  |  | MAIN OPTIONS: MCB      |     |  |  |  |
| CKT                                                                                                                                                                                                                          | CIRCUIT DESCRIPTION |  |  |  | NOTES                 | TRIP | POLES |  | POLES | TRIP             | NOTES | CIRCUIT DESCRIPTION |  |  |                        | CKT |  |  |  |
| 1                                                                                                                                                                                                                            |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        | 2   |  |  |  |
| 3                                                                                                                                                                                                                            | FC 5-01             |  |  |  |                       | 30   | 3     |  | 3     | 20               |       | EF 5-08             |  |  |                        | 4   |  |  |  |
| 5                                                                                                                                                                                                                            |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        | 6   |  |  |  |
| 7                                                                                                                                                                                                                            |                     |  |  |  |                       |      |       |  | 1     | 20               |       | Rooflop rcpt        |  |  |                        | 8   |  |  |  |
| 9                                                                                                                                                                                                                            | FC 5-02             |  |  |  |                       | 20   | 3     |  |       |                  |       |                     |  |  |                        | 10  |  |  |  |
| 11                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  | 3     | 30               |       | DOCK LIFT           |  |  |                        | 12  |  |  |  |
| 13                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        | 14  |  |  |  |
| 15                                                                                                                                                                                                                           | EF 5-01             |  |  |  |                       | 20   | 3     |  | 3     | 20               |       | DOCK LEVELER        |  |  |                        | 16  |  |  |  |
| 17                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        | 18  |  |  |  |
| 19                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        | 20  |  |  |  |
| 21                                                                                                                                                                                                                           | EF 5-02             |  |  |  |                       | 20   | 3     |  | 1     | 20               |       | SPARE               |  |  |                        | 22  |  |  |  |
| 23                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  | 1     | 20               |       | SPARE               |  |  |                        | 24  |  |  |  |
| 25                                                                                                                                                                                                                           | EF 5-03             |  |  |  |                       | 20   | 1     |  | 1     | 20               |       | SPARE               |  |  |                        | 26  |  |  |  |
| 27                                                                                                                                                                                                                           | EF 5-04             |  |  |  |                       | 20   | 1     |  | 1     | 20               |       | SPARE               |  |  |                        | 28  |  |  |  |
| 29                                                                                                                                                                                                                           | EF 5-05             |  |  |  |                       | 20   | 1     |  | 1     | 20               |       | SPARE               |  |  |                        | 30  |  |  |  |
| 31                                                                                                                                                                                                                           | EF 5-06             |  |  |  |                       | 20   | 1     |  | 1     | 20               |       | SPARE               |  |  |                        | 32  |  |  |  |
| 33                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  | 1     | 20               |       | SPARE               |  |  |                        | 34  |  |  |  |
| 35                                                                                                                                                                                                                           | EF 5-07             |  |  |  |                       | 20   | 3     |  | 1     | 20               |       | SPARE               |  |  |                        | 36  |  |  |  |
| 37                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  | 1     | 20               |       | SPARE               |  |  |                        | 38  |  |  |  |
| 39                                                                                                                                                                                                                           | Rooflop rcpt        |  |  |  |                       | 20   | 1     |  | 1     | 20               |       | SPARE               |  |  |                        | 40  |  |  |  |
| 41                                                                                                                                                                                                                           | Rooflop rcpt        |  |  |  |                       | 20   | 1     |  | 1     | 20               |       | SPARE               |  |  |                        | 42  |  |  |  |
| GENERAL NOTES:                                                                                                                                                                                                               |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| A. SEE RISER DIAGRAM FOR CALCULATED AVAILABLE FAULT CURRENT, PANELBOARD AND ASSOCIATED DEVICES WITHIN PANELBOARD ASSEMBLY SHALL HAVE A SHORT CIRCUIT CURRENT RATING HIGHER THAN THE CALCULATED VALUE SHOWN ON RISER DIAGRAM. |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| NOTES:                                                                                                                                                                                                                       |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| 1.                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| 2.                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| 3.                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |
| 4.                                                                                                                                                                                                                           |                     |  |  |  |                       |      |       |  |       |                  |       |                     |  |  |                        |     |  |  |  |