

| TYPE | MANUFACTURER | FURNISHED BY | CATALOG NUMBER                         | VOLTS   | VA  | LAMP (PHILIPS)         |      | MOUNTING  | DESCRIPTION                     |
|------|--------------|--------------|----------------------------------------|---------|-----|------------------------|------|-----------|---------------------------------|
|      |              |              |                                        |         |     | ORDER NUMBER (LP)      | QTY. |           |                                 |
| 1    | DAY-BRITE    | CONTRACTOR   | TT232-UNV-1/4EB-LP-TH2                 | 120/277 | 114 | F32T8/TL850/PLUS/ALTO  | 4    | SURFACE   | 8' STRIP                        |
| 2    | DAY-BRITE    | CONTRACTOR   | T232-UNV-1/2EB-LP-TH2                  | 120/277 | 58  | F32T8/TL850/PLUS/ALTO  | 2    | SURFACE   | 4' STRIP                        |
| 5W   | ACUITY       | OWNER        | CSXW-LED-1-30B700/40K-SR3-MVO LT-DNAXD | 277     | 74  | INTEGRAL LED           | -    | WALL      | SECURITY LIGHT                  |
| 16   | DUAL-LITE    | CONTRACTOR   | LXURWEI                                | 120/277 | 4   | N/A                    | -    | WALL      | EXIT SIGN (SINGLE FACE)         |
| 17   | DUAL-LITE    | CONTRACTOR   | LZW2DI                                 | 120/277 | 15  | 6V, 5W HALOGEN         | 2    | WALL      | EMERGENCY LIGHT                 |
| 19   | DUAL-LITE    | CONTRACTOR   | LMW401-FX                              | 120/277 | 15  | 6V, 20W SEALED HALOGEN | 2    | STEM      | EMERGENCY LIGHT                 |
| 27   | DUAL-LITE    | CONTRACTOR   | EWL-27                                 | 120/277 | 50  | FURNISHED W/FIXTURE    | 2    | WALL      | EMERGENCY LIGHT W/ REMOTE HEADS |
| 27A  | DUAL-LITE    | CONTRACTOR   | LZ65-12VI-0                            | 120/277 | 15  | N/A                    | -    | WALL      | EMERGENCY BATTERY PACK - 65 W   |
| 27C  | DUAL-LITE    | CONTRACTOR   | OMSDB1212                              | 12      | 24  | N/A                    | -    | SURFACE   | 2 HEAD WP REMOTE                |
| 40   | DAY-BRITE    | CONTRACTOR   | DWAE232-UNV-1/2EB-LP                   | 120/277 | 58  | F32T8/TL850/PLUS/ALTO  | 2    | SURFACE   | 4' SEALED STRIP                 |
| 52   | ACUITY       | OWNER        | VPA-59LED-ASY                          | 120/277 | 59  | INTEGRAL LED           | -    | SURFACE   | ENCLOSED LED LIGHT              |
| 68   | CREE         | OWNER        | LR6C-DR1000-27TUS W/ RC6-27TV          | 277     | 14  | INTEGRAL LED           | 1    | RECESSED  | DOWNLIGHT                       |
| L58  | CREE         | CONTRACTOR   | LS8-80L-35K-10V                        | 120/277 | 88  | INTEGRAL LED           | -    | SUSPENDED | 8' STRIP - STAND ALONE FIXTURE  |

1. EXIT SIGN MOUNTING
  - A. WALL FIXTURE: CENTER 12" ABOVE DOOR OPENING.
  - B. CEILING FIXTURE: ON CEILING OR AT HEIGHT SPECIFIED ON DRAWINGS.
  - C. PENDANT FIXTURE: MATCH HEIGHT OF EXISTING PENDANT MOUNTED EXIT SIGNS. IF STORE DOES NOT HAVE PENDANT MOUNTED EXIT SIGNS, THEN PENDANT MOUNT SIGN 24" BELOW BOTTOM OF BAR JOIST.
  - D. VERIFY MOUNTING HEIGHT WITH AHJ.
  - E. COORDINATE LOCATIONS OF EXIT SIGNS TO ENSURE STORE SIGNAGE DOES NOT OBSTRUCT THEIR VIEW.
  - F. THE USE OF TRITIUM BASED RADIOACTIVE EXIT SIGNAGE IS PROHIBITED.
2. EMERGENCY LIGHT INSTALLATION
  - A. WALL FIXTURE: 12" BELOW FINISHED CEILING OR +10" -0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE.
  - B. PENDANT FIXTURE: BOTTOM CHORD OF BAR JOIST OR AT HEIGHT SPECIFIED ON DRAWINGS.
  - C. REMOVE HEAD FIXTURE: HEADS CENTERED ABOVE DOOR OPENING +9" -0", UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED CEILING OR AT BAR JOIST AREAS OF EXPOSED STRUCTURE.
  - D. ELECTRICAL CONNECTION:
    - A. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW BATTERY TO CHARGE CONTINUOUSLY FOR A MINIMUM OF 168 HOURS BEFORE INITIAL TESTING.
    - B. AFTER EMERGENCY LIGHT HAS BEEN POWERED DO NOT TURN OFF FOR EXTENDED PERIODS OF TIME.
3. EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
4. IN AREAS OF OPEN STRUCTURE, MOUNT FLUORESCENT STRIP FIXTURE TO BOTTOM CHORD OF BAR JOIST, UNLESS NOTED OTHERWISE.
5. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS.
6. FIXTURES DENOTED WITH "ABJ" ARE TO BE FASTENED ON UNISTRUT CHANNELS MOUNTED TO THE BOTTOM SIDE OF THE TOP CHORD OF BAR JOISTS. LOCATE THE FIXTURES RUNNING PERPENDICULAR TO BAR JOISTS WITHIN BAR JOISTS WEBBING SPACES. DO NOT FASTEN FIXTURE OR UNISTRUT CHANNELS TO ROOF DECK.
7. INSTALL PROTECT-A-ALP COVER ON FIXTURES LABELED WITH THE LETTER "P" AND ANY FIXTURE WITH ROOF OR FLUORESCENT TUBES THAT ARE MOUNTED BELOW 10'-0" AFF ANYWHERE INSIDE THE BUILDING.

- 16.125 EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.
- 16.127 FURNISH AND INSTALL NEW 20 AMP, 277 VOLT CIRCUIT(S). FEED FROM PANELBOARD AS INDICATED. PROVIDE 20 AMP CIRCUIT BREAKER IF NEEDED. E.C. SHALL MATCH MANUFACTURER, TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS. E.C. SHALL VERIFY PRIOR TO ROUGH-IN THAT EXISTING PANELBOARD HAS SPARE CAPACITY TO ACCOMMODATE ADDITIONAL LOAD.
- 16.131 CONNECT TO EXISTING CIRCUIT. E.C. SHALL VERIFY PRIOR TO ROUGH-IN THAT EXISTING CIRCUIT HAS SPARE CAPACITY TO ACCOMMODATE ADDITIONAL LOAD.
- 16.133 EXISTING LIGHT FIXTURES TO BE RELOCATED TO NEW LOCATION AS SHOWN.
- 16.138 ALL CONDUITS SERVING LOADS INSIDE OF COOLER AND FREEZER BOXES SHALL BE ROUTED ON THE INSIDE SURFACE OF BOX. CONDUIT PENETRATIONS THROUGH COOLER AND FREEZER BOXES SHALL BE KEPT TO A MINIMUM. CONDUIT PENETRATIONS SHALL BE SEaled WITH CONDULETAS CLOSE AS POSSIBLE ON THE EXTERIOR SIDE OF THE COOLER OR FREEZER. SEAL CONDULETS BY FILLING WITH EXPANDING URAM SEALANT. SEAL AROUND ALL PENETRATIONS USING SILICONE CAULK SEALANT.
- 16.148 ROUTE CIRCUIT THROUGH CONTRACTOR. REFER TO PAPER AND EMS ONE-LINE DIAGRAMS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.



**STIPULATION FOR REUSE**

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170625565  
FL CORPORATE NUMBER: ED 7606  
EXPIRES 2/28/2019

**Walmart\***  
**NAPLES, FL**  
**9885 COLLIER BLVD**  
**STORE NO: 5055**

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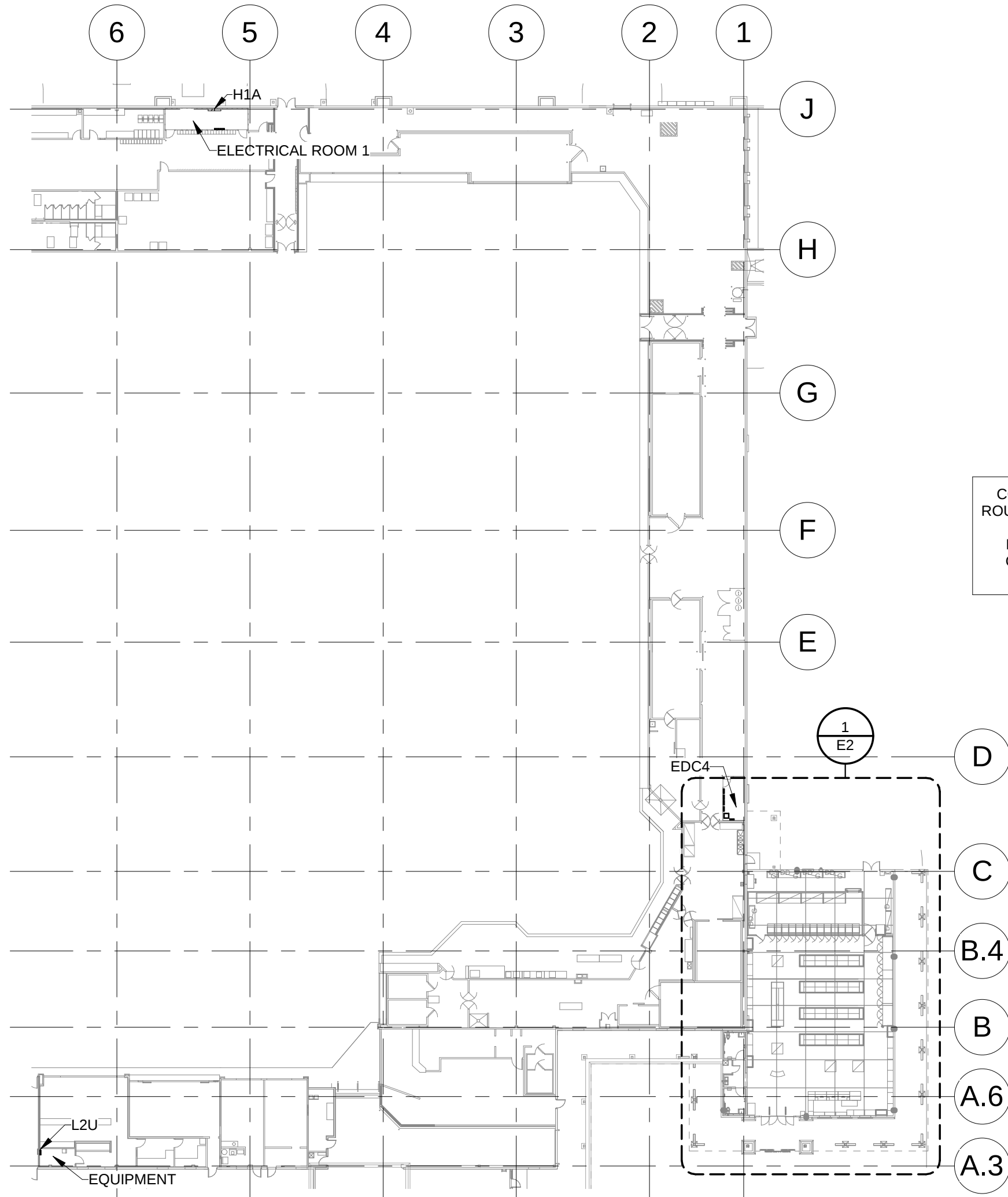
**JOB NUMBER: 1780625055**   **LIQUOR BOX ADDITION**

## ISSUE BLOCK

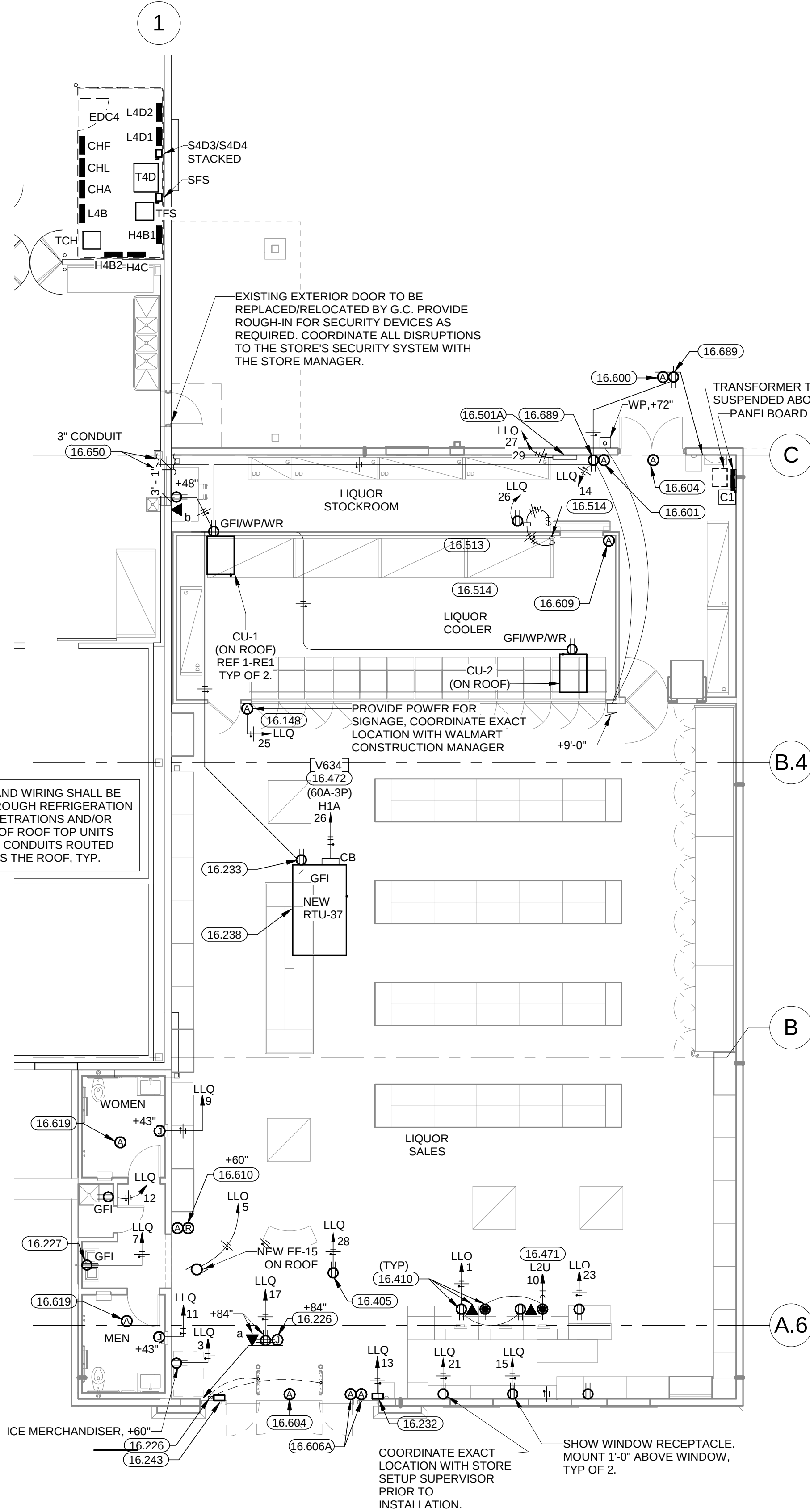
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| DOCUMENT DATE: | 02/10/17 |

VINCENT G. MASILIONIS  
LICENSE # 68913

SHEET: E1



2 KEY PLAN  
1" = 40'-0"



1 LIQUOR BOX POWER PLAN  
1/8" = 1'-0"

### GENERAL POWER NOTES

- 11.20.15 EN02
1. TELEPOWER POLE(S): MOUNT JUNCTION BOX(ES) TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. INSTALL FURNISHED PRE-WIRED POWER POLE AND TERMINATE PROVIDED FLEXIBLE CONDUIT AND WIRING TO JUNCTION BOX. PROVIDE UNISTRUT SUPPORTS AND HARDWARE TO SECURE TELEPOWER POLE PLUMB TO BUILDING STRUCTURE.
  2. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
  3. WHERE EQUIPMENT NAMEPLATE PROTECTIVE DEVICE RATING DIFFERS FROM SIZE PROVIDED, CHANGE OUT BRANCH CIRCUIT WIRING AND OVERCURRENT DEVICE TO APPROPRIATE RATING PER NEC.
  4. ELECTRONIC FIRE PROTECTION/SECURITY ALARM BOXES AND CONDUITS SHOWN ON POWER PLANS SHALL BE PROVIDED UNDER THIS CONTRACT. IN ADDITION, UNLESS NOTED OTHERWISE, THE FOLLOWING GENERAL NOTES APPLY:
    - A. ALL ALARM JUNCTION BOXES SHALL BE 4"x4"x2-1/8" MINIMUM.
    - B. ALARM RACEWAYS SHALL BE 3/4" MINIMUM WITH PULL WIRE AND INSULATING BUSHINGS AT END OF VERTICAL RACEWAY RUN.
    - C. VERTICAL RACEWAYS FROM ALARM BOXES SHALL BE EITHER CONCEALED INSIDE WALL OR SURFACE MOUNTED (TO MATCH JUNCTION BOX MOUNTING). ALL VERTICAL RUNS SHALL BE TURNED 90-DEGREES AT TOP SIDE OF BOTTOM CHORD OF BAR JOIST AND EXTENDED HORIZONTALLY TO A LOCATION ACCESSIBLE BY VERTICAL FLOOR TYPE LIFT.
  5. UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT:
    - A. INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
    - B. PERFORM CONTINUITY TEST.
    - C. VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.
  6. REPLACE ANY MISSING, DAMAGED OR BROKEN RECEPTACLES AND COVER PLATES THROUGHOUT THE INTERIOR AND EXTERIOR OF THE STORE.

### CIRCUIT SCHEDULE

| V634 | 60A,(3)#4,(1)#6,1"C |
|------|---------------------|
|------|---------------------|

ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS AND TYPE THHN/THWN-2 INSULATION. FOR TERMINATIONS OR INSULATION TYPES RATED LESS THAN 75 DEG C, MODIFY SIZES ACCORDING TO NFPA 70.

### ELECTRICAL KEYNOTES

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                                                                                                                                                                                                                                                                                      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.148 | ROUTE CIRCUIT THROUGH CONTACTOR. REFER TO POWER AND EMS ONE-LINE DIAGRAMS.                                                                                                                                                                                                                                                                                                                                                                                           | 16.472  | FURNISH AND INSTALL NEW CIRCUIT BREAKER (H1A-HP) IN EXISTING PANELBOARD INDICATED. E.C. SHALL MATCH MANUFACTURER, TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS. E.C. SHALL VERIFY PRIOR TO ROUGH-IN THAT EXISTING PANELBOARD HAS SPARE CAPACITY TO ACCOMMODATE ADDITIONAL LOAD. |
| 16.226 | ELECTRICAL ARTICLE SURVEILLANCE SYSTEM: PROVIDE 3/4" CONDUITS (WITH PULL WIRE) FROM EAS POWER MODULE TO EAS PEDESTAL LOCATION AS SHOWN ON PLANS. WITH OVERALL LENGTH OF EACH CONDUIT NOT TO EXCEED 36" STUB CONDUITS 3" ABOVE FINISHED FLOOR AT EAS PEDESTAL LOCATION AND EXTEND CONDUIT UP WALL TO HEIGHT OF THE EAS RECEPTACLE. PROVIDE BUSHINGS AT EACH END.                                                                                                      | 16.501A | PROVIDE TWO (2) 20A, 120 VOLT DEDICATED CIRCUITS AND FINAL CONNECTIONS TO FIRE ALARM BACKBOARD EQUIPMENT PROVIDED BY OTHERS. COORDINATE INSTALLATION WITH ALARM INSTALLER PRIOR TO ROUGH-IN.                                                                                         |
| 16.227 | ELECTRIC WATER COOLER RECEPTACLE: CONCEAL WITHIN CABINET PER MANUFACTURERS REQUIREMENTS.                                                                                                                                                                                                                                                                                                                                                                             | 16.600  | PROVIDE SURFACE MOUNTED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) MOUNTED 2" ABOVE AND 8" IN FROM STRIKE SIDE OF DOOR FRAME.                                                                                                                                                        |
| 16.232 | AUTOMATIC DOOR OPERATOR: VERIFY LOCATION WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION. ALL CONDUIT AND WIRING SHALL BE CONCEALED AT MAIN ENTRANCE DOORS.                                                                                                                                                                                                                                                                                                | 16.601  | PROVIDE SURFACE MOUNTED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) ADJACENT TO AND EVEN WITH TOP OF DOOR FRAME.                                                                                                                                                                      |
| 16.233 | ROOF TOP UNIT IS PROVIDED WITH A HACR RATED CIRCUIT BREAKER AND GFI DUPLEX RECEPTACLE.                                                                                                                                                                                                                                                                                                                                                                               | 16.604  | PROVIDE RECESSED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) CENTERED 2" ABOVE DOOR FRAME.                                                                                                                                                                                            |
| 16.238 | CONTRACTOR SHALL PROVIDE A 1/2" FLEXIBLE CONDUIT WITH PULL STRING ROUTED FROM CEILING SPACE BELOW UP THROUGH THE NEW CURB ADAPTER, PENETRATING THE BOTTOM OF THE RTU'S ELECTRICAL COMPARTMENT. THIS RACEWAY IS REQUIRED FOR FUTURE FIRE ALARM COMMUNICATION CABLEING BY OTHERS.                                                                                                                                                                                      | 16.606A | PROVIDE TWO RECESSED ALARM JUNCTION BOXES (WITH ONE VERTICAL RACEWAY), INSTALL (2) BOXES AT +46" AND AT 10' OC WITH 3/4" CONDUIT NIPPLE BETWEEN BOXES.                                                                                                                               |
| 16.243 | INSTALL MANUFACTURER FURNISHED JUNCTION BOX ABOVE DOOR HEADER FOR CAMERA CABLEING. PROVIDE 1" CONDUIT (WITH PULL WIRE) FROM JUNCTION BOX TO STRUCTURE. TERMINATE AT BAR JOIST WITH BUSHINGS. COORDINATE INSTALLATION WITH MANUFACTURER'S REQUIREMENTS.                                                                                                                                                                                                               | 16.609  | INSTALL FURNISHED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) AT +80". COORDINATE EXACT LOCATION WITH FIRE ALARM INSTALLER PRIOR TO ROUGH-IN.                                                                                                                                         |
| 16.405 | LPTV MONITOR: MOUNT RECEPTACLE AT BAR JOIST FOR LPTV POWER SUPPLY. POWER SUPPLY PROVIDED BY OTHERS. COORDINATE FINAL RECEPTACLE PLACEMENT WITH MONITOR INSTALLER.                                                                                                                                                                                                                                                                                                    | 16.610  | PROVIDE SURFACE MOUNTED ALARM JUNCTION BOX (WITH VERTICAL RACEWAY) AT +84" (UNLESS NOTED OTHERWISE).                                                                                                                                                                                 |
| 16.410 | COUNTER MOUNTED DEVICES: STUB OUT OF WALL AT +8". ROUTE FLEXIBLE METAL CONDUITS ALONG BACK WALL OF CABINET. MOUNT DEVICES WITHIN CABINET AT +8". EACH DATA BOX IS TO HAVE A SEPARATE CONDUIT ROUTED TO 12" ABOVE ACCESSIBLE CEILING SPACE. VERIFY ALL DEVICE LOCATIONS WITH STORE PLANNING SETUP SUPERVISOR PRIOR TO ROUGH-IN.                                                                                                                                       | 16.619  | PROVIDE RECESSED ALARM JUNCTION BOX IN CEILING WITH 4"x4"x1-1/2" EXTENSION RING WITH RACEWAY ROUTED TO NEAREST ACCESSIBLE CEILING SPACE.                                                                                                                                             |
| 16.471 | FURNISH AND INSTALL NEW 20 AMP, 120 VOLT ISOLATED GROUND CIRCUIT(S). FEED FROM PANEL BOARD AS INDICATED. PROVIDE 20A-1P CIRCUIT BREAKER IF NEEDED. E.C. SHALL MATCH MANUFACTURER, TYPE AND AIC RATINGS OF EXISTING CIRCUIT BREAKERS. PROVIDE ORANGE COVER PLATES ON ALL ISOLATED GROUND DEVICES WITH CIRCUIT NUMBER ENGRAVED UNLESS NOTED OTHERWISE. E.C. SHALL VERIFY PRIOR TO ROUGH-IN THAT EXISTING PANELBOARD HAS SPARE CAPACITY TO ACCOMMODATE ADDITIONAL LOAD. | 16.650  | CONDUIT SLEEVE: PROVIDE 1-1/2" CONDUIT SLEEVE WITH BUSHINGS ABOVE BAR JOIST (UNLESS NOTED OTHERWISE).                                                                                                                                                                                |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16.689  | RECEPTACLE FOR WALL MOUNTED MONITOR. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF RECEPTACLE WITH CCTV INSTALLER PRIOR TO ROUGH-IN.                                                                                                                                              |

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

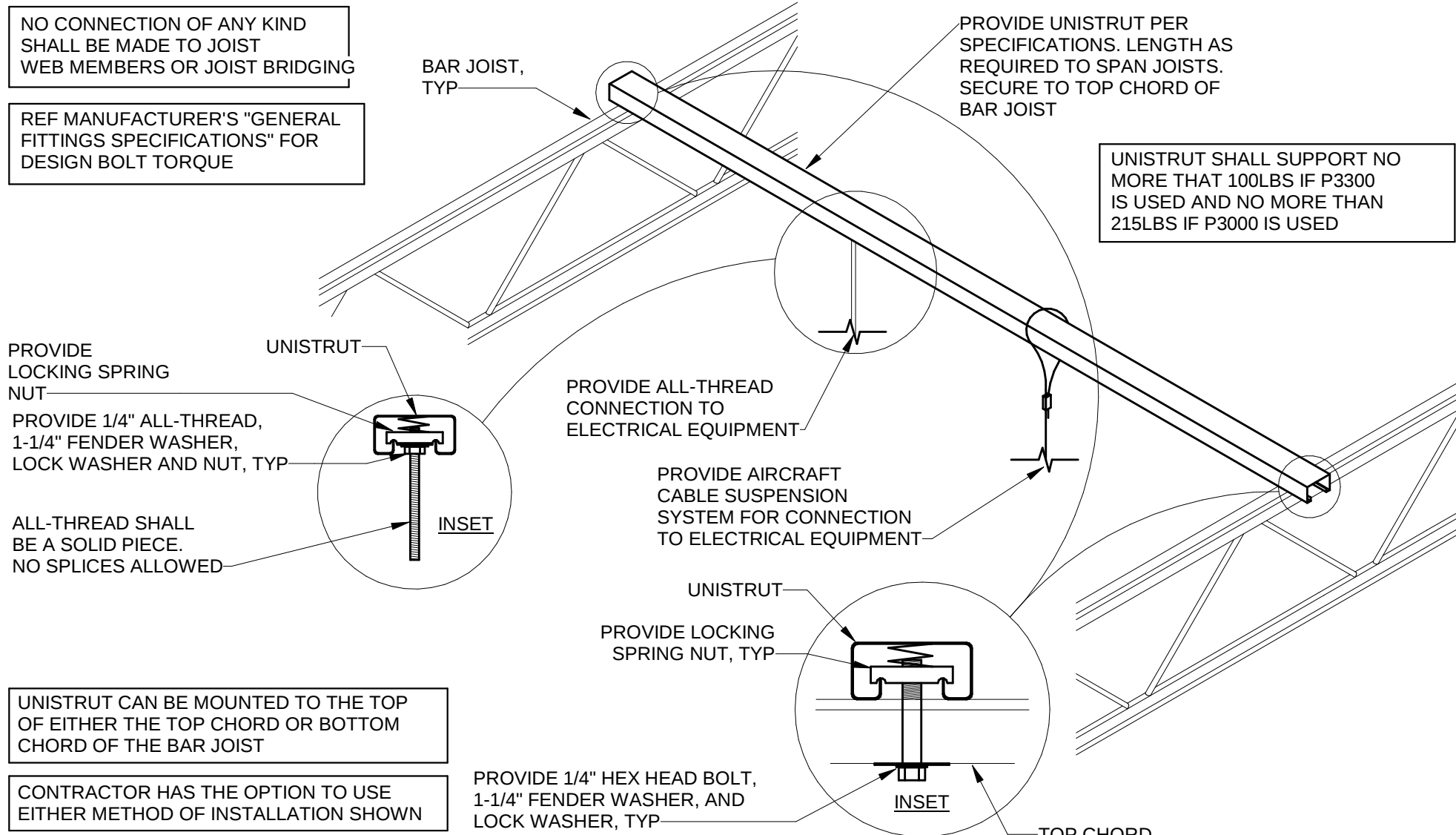
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

10.28.16 GENERAL NOTES EN08

1. FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR, FOR A COMPLETE INSTALLATION IN ALL RESPECTS, READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NESC, STATE, AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS. PAY ALL NECESSARY FEES AND PERMITS.
- A. NO CIRCUITRY SHALL BE ALLOWED TO BE ROUTED ACROSS THE ROOF OR THE EXTERIOR SIDE OF THE EXTERIOR WALLS.
- B. ALL EQUIPMENT SHALL BE UL LISTED WHERE APPLICABLE.
- C. ARRANGE ALL WORK TO MINIMIZE DISRUPTIONS TO STORE OPERATIONS. COORDINATE ALL DISRUPTIONS WITH WALMART CONSTRUCTION MANAGER AND STORE MANAGER.
- D. CONTRACTOR SHALL VERIFY ALL WALL FINISH THICKNESS BEFORE INSTALLING BOXES. FURNISH AND INSTALL EXTENDED BOXES OR BOX EXTENDERS WHERE REQUIRED.
- E. CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER KNOCKOUTS PROPERLY COVERED AND THAT ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
2. PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:
- A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.
- B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.
- C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT.
- D. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
3. PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT, POWER CIRCUITS, ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THINW 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
4. WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY.
- A. SWITCHES +44"
- B. RECEPTACLES +20"
- C. VOICE/DATA +20"
5. WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD IDENTIFICATION SCHEDULES FOR PANELBOARDS AFFECTED BY REMODEL.
7. NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTIVE DEVICES.
8. BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
9. WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
10. SUPPORTS FROM STRUCTURE: NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS.
11. DEVICES SHOWN ON COOLER/FREEZER PANELS SHALL BE SURFACE MOUNTED UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DOCUMENTS FOR CONDUIT INSTALLATION AND SEALING REQUIREMENTS.
12. ONLY FEEDER CIRCUITS NOTED ON THE ONE LINE DIAGRAM AND BRANCH CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB. ALL OTHER FEEDER AND BRANCH CIRCUITS SHALL BE INSTALLED OVERHEAD. PROVIDE EXTERIOR COATED GRC BENDS ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER. REF SPECIFICATIONS.
13. SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
14. EXISTING ELECTRICAL AND ALARM:
- A. WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWORK CIRCUITRY, AS REQUIRED, TO MAINTAIN EXISTING OPERATION.
- B. IF DEMOLITION OR NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE, PARKING LOT LIGHTING CIRCUITRY, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO REROUTE, SLEEVE, OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.
- C. EXERCISE CAUTION AROUND ALARM AND SECURITY CABLES DURING DEMOLITION AND CONSTRUCTION. PROTECT ALARM AND SECURITY CABLES FROM ACCIDENTAL DAMAGE SO THAT SYSTEMS REMAIN OPERATIONAL AT ALL TIMES.
- D. DISPOSE OF ALL REMOVED MATERIALS, UNLESS OTHERWISE NOTED.
15. EXISTING ELECTRICAL DEMOLITION:
- A. GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT CONDUIT, AND CONDUCTORS AS INDICATED ON THE DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC., WHICH WILL NOT BE REUSED.
- B. CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PUBLIC AREAS (I.E., THROUGH STOCKROOM AREA): CUT WIRING LOOSE AND REMOVE FROM RACEWAY(S), LEAVING RACEWAY(S) IN PLACE. CONDUIT TO BE ABANDONED IN WALLS OR FLOORS SHALL BE REMOVED BACK TO FINISHED SURFACE AND CAPPED INSIDE. REPAIR SURFACE(S) TO MATCH ADJACENT.
- C. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE ABANDONED OR REMOVED SHALL REMAIN IN RESPECTIVE PANELBOARD FOR FUTURE USE, UNLESS NOTED OTHERWISE ON DRAWINGS. PROVIDE HANDLE DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION.
- D. DEMOLISHED FLUORESCENT LIGHT FIXTURES: REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION FOR DISPOSAL OF LIGHT FIXTURE.
- E. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
16. ETHERNET CABLE:
- A. FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS. PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.
- B. ETHERNET CABLE IS FURNISHED BY OTHERS.
- C. ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER POLES.
- D. ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY WALMART CONSTRUCTION MANAGER.

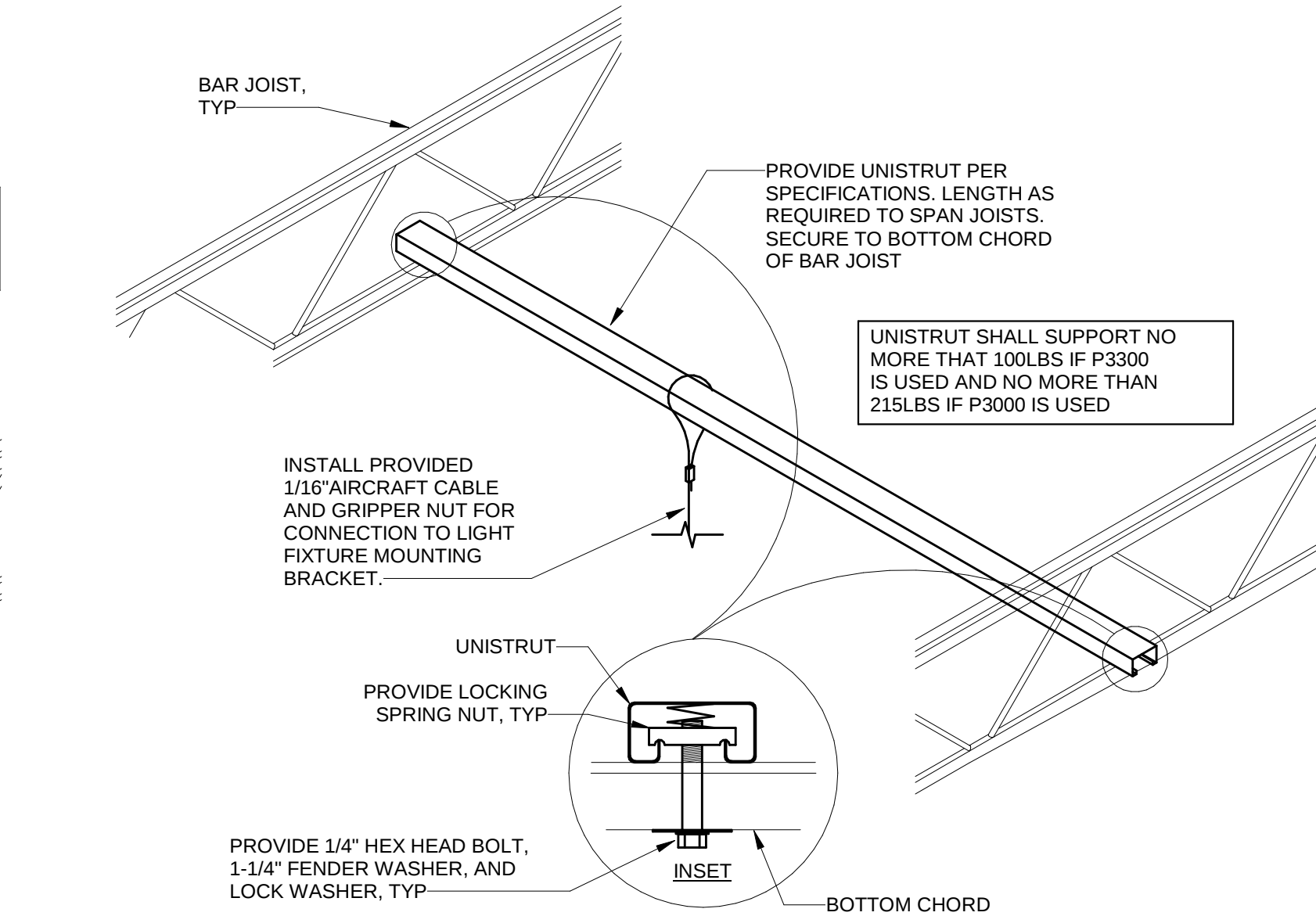
10.28.16 ELECTRICAL SYMBOLS LEGEND ES06

| SYMBOL        | DESCRIPTION                                                                   |
|---------------|-------------------------------------------------------------------------------|
|               | LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED)                                  |
|               | LIGHT FIXTURE                                                                 |
|               | LIGHT FIXTURE, EMERGENCY LIGHT                                                |
|               | LIGHT FIXTURE NIGHT LIGHT                                                     |
|               | ENCLOSED COOLER/FREEZER LIGHT                                                 |
|               | TRACK LIGHTING                                                                |
|               | EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)                                   |
|               | EMERGENCY FIXTURE                                                             |
|               | SWITCH, SINGLE POLE                                                           |
|               | SWITCH, 3-WAY                                                                 |
|               | SWITCH, 4-WAY                                                                 |
|               | SWITCH, KEYED                                                                 |
|               | SWITCH, MANUAL MOTOR                                                          |
|               | SWITCH, OCCUPANCY SENSOR                                                      |
|               | SWITCH, BI-LEVEL OCCUPANCY SENSOR                                             |
|               | CEILING OCCUPANCY SENSOR AND ASSOCIATED RELAY                                 |
|               | RECEPTACLE, DUPLEX                                                            |
|               | RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY                                      |
|               | RECEPTACLE, DOUBLE DUPLEX                                                     |
|               | RECEPTACLE, SPECIAL                                                           |
|               | RECEPTACLE, SIMPLEX                                                           |
|               | RECEPTACLE, PLUG-MOLD                                                         |
|               | JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)                                   |
|               | JUNCTION BOX, ALARM SYSTEM (WALL MOUNTED/CEILING MOUNTED), ALARM JUNCTION BOX |
|               | FOR REMOTE TEST/RESET (WALL MOUNTED/CEILING MOUNTED)                          |
|               | EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)                          |
|               | NON-FUSED DISCONNECT                                                          |
|               | FUSED DISCONNECT                                                              |
|               | CIRCUIT, CONCEALED IN WALLS OR CEILING, E INDICATES EXISTING WIRING           |
|               | CIRCUIT, CONCEALED IN FLOOR SLAB, E INDICATES EXISTING WIRING                 |
|               | CIRCUIT, EXPOSED, E INDICATES EXISTING WIRING                                 |
|               | FLUSH MOUNTED PANELBOARD                                                      |
|               | SURFACE MOUNTED PANELBOARD                                                    |
|               | VOICE/DATA, d = DATA ONLY, v = VOICE ONLY                                     |
|               | LOW VOLTAGE CABLE BOX FOR OTHER                                               |
|               | VOICE/DATA, FLUSH FLOOR                                                       |
|               | MOTOR                                                                         |
|               | TELEPOWER POLE                                                                |
|               | PUSH BUTTON                                                                   |
|               | BUZZER                                                                        |
|               | SMOKE DETECTOR                                                                |
|               | ENERGY MANAGEMENT TEMPERATURE SENSOR                                          |
|               | THERMOSTAT                                                                    |
|               | TIME CLOCK                                                                    |
| ABBREVIATIONS |                                                                               |
| a, b, c       | LOWER CASE LETTERS INDICATE SWITCHING                                         |
| AFC           | ABOVE FINISH COUNTER                                                          |
| AFI           | ABOVE FINISH FLOOR                                                            |
| AFG           | ABOVE FINISH GRADE                                                            |
| C             | CONDUIT                                                                       |
| CCT           | CIRCUIT                                                                       |
| CF            | CEILING/CIRCULATION FAN                                                       |
| D             | DATA                                                                          |
| EC            | ELECTRICAL CONTRACTOR                                                         |
| EF            | EXHAUST FAN                                                                   |
| EP            | EXPLOSION                                                                     |
| ETR           | EXISTING TO REMAIN                                                            |
| EW            | ELECTRIC WATER                                                                |
| FUT           | FUTURE                                                                        |
| GR            | GROUND                                                                        |
| GFEP          | GROUND FAULT EQUIPMENT PROTECTION                                             |
| GFI           | GROUND FAULT CIRCUIT INTERRUPTER                                              |
| GF            | GABLE FAN                                                                     |
| HD            | HAND DRYER                                                                    |
| IG            | ISOLATED GROUND                                                               |
| IRC           | INTER-REGISTER COMMUNICATION                                                  |
| ISP           | IN-STORE PROCESSOR                                                            |
| LCU           | LIGHTING CONTROL UNIT                                                         |
| K             | KEY OPERATED                                                                  |
| N             | NEUTRAL                                                                       |
| NTS           | NOT TO SCALE                                                                  |
| P             | WITH PILOT LIGHT                                                              |
| RH            | RADIANT HEATER                                                                |
| RC            | REFRIGERATION CONTRACTOR                                                      |
| SC            | SECURITY CAMERA                                                               |
| SF            | SUPPLY FAN                                                                    |
| TR            | TAMPER RESISTANT                                                              |
| TYP           | TYPICAL                                                                       |
| WH            | WATER HEATER                                                                  |
| WP            | WEATHERPROOF                                                                  |
| WR            | WEATHER RESISTANT                                                             |
| UH            | UNIT HEATER                                                                   |
| UNO           | UNLESS NOTED OTHERWISE                                                        |



2 GENERAL ELECTRICAL CONNECTIONS TO STRUCTURE

NTS 11.27.09 EL33

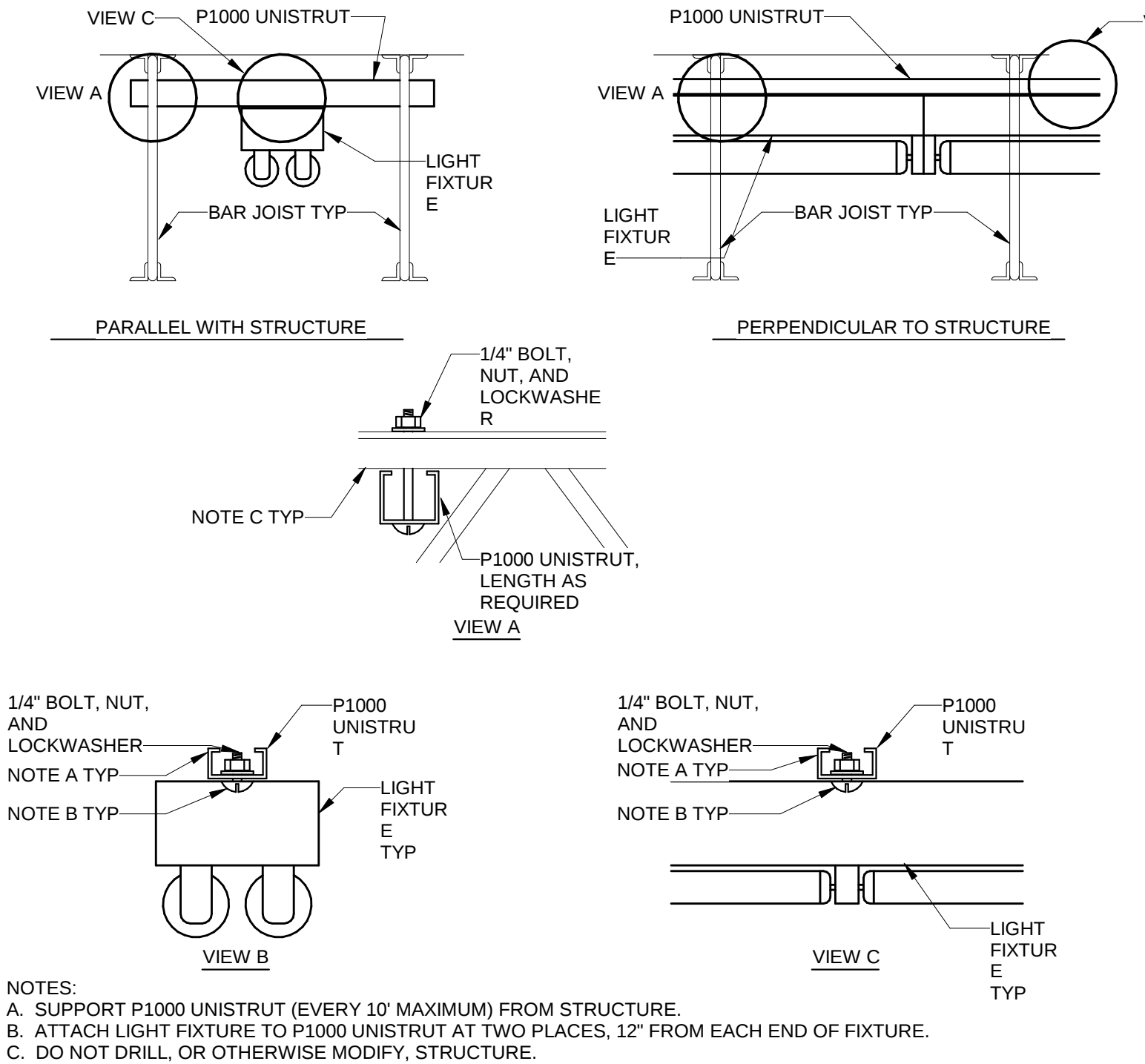


1 SUSPENDED LIGHTING CONNECTIONS TO STRUCTURE

NTS 03.23.13 EL34

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.



3 "ABJ" STRIP LIGHT MOUNTING DETAIL

NTS 11-03-00 WREL26

**B | R | R**  
architecture

ARCHITECT OF RECORD: BRR ARCHITECTURE, INC.  
8700 ANTIOCH PLAZA, SUITE 300, MERRIMAN, MS 39064

STIPULATION FOR REUSE

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CONSULTANTS

**HENDERSON ENGINEERS**  
8461 BRENDA DRIVE, SUITE 300  
NAPLES, FL 34108  
TEL: 941.425.0001  
WWW.HENDERSON-ENG.COM  
FL CORPORATE NUMBER: 170825055  
EXP. 03/28/2017

**Walmart**  
NAPLES, FL  
9885 COLLIER BLVD  
STORE NO. 9885

JOB NUMBER: 170825055 LIQUOR BOX ADDITION

ISSUE BLOCK

|                |          |
|----------------|----------|
| CHECKED BY:    | HLW      |
| DRAWN BY:      | VM       |
| PROTO:         | 120216   |
| DOCUMENT DATE: | 02/10/17 |

VINCENT G. MASILIONIS  
LICENSE # 68913

LIGHTING DETAILS

SHEET:  
**E3**

| PANELBOARD: LLQ (NEW)                 |                        |                |             |       |          |         |       |           |         | FED FROM: H4B2                |                |       |              |                            |         |  |  |  |  | EQUIPMENT GROUND BUS |  |  |  |  |  |  |  |  |  |
|---------------------------------------|------------------------|----------------|-------------|-------|----------|---------|-------|-----------|---------|-------------------------------|----------------|-------|--------------|----------------------------|---------|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|
| BUS AMPS: 125A                        |                        |                |             |       |          |         |       |           |         | AIC RATING: 10000 FULLY RATED |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| MAIN SIZE/TYPE: 150A MCB              |                        |                |             |       |          |         |       |           |         | SERVES: LIQUOR BOX            |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| VOLTS/PHASE: 208Y/120V, 3PH, 4W       |                        |                |             |       |          |         |       |           |         | MOUNTING: SURFACE             |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| SECTION: 1                            |                        |                |             |       |          |         |       |           |         | LOCATION: LIQUOR STOCKROOM    |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| CKT NO.                               | DESCRIPTION            | VOLTAMPS/PHASE |             |       | WIRE NO. | BKR AMP | P     | P         | BKR AMP | WIRE NO.                      | VOLTAMPS/PHASE |       |              | DESCRIPTION                | CKT NO. |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
|                                       |                        | A              | B           | C     |          |         |       |           |         |                               | A              | B     | C            |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 1                                     | FRONT CASH REGISTER    | 500            |             |       | 20       | 1       |       |           |         |                               | 7,735          |       |              |                            | 2       |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 3                                     | ICE MERCHANDISER (6)   |                | 1,550       |       | 10       | 20      | 1     | 3         | 50      | 8                             |                | 7,735 |              | CU-1                       | 4       |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 5                                     | EXHAUST FAN            |                |             | 530   | 20       | 1       |       |           |         |                               |                | 7,735 |              | 31.1A, 208/3               | 6       |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 7                                     | EWIC (4)               | 480            |             |       | 20       | 1       | 1     | 20        |         |                               | 860            |       |              | COOLER DOOR POWER (2)      | 8       |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 9                                     | HAND DRYER (2.6)       |                | 1,150       |       | 10       | 20      | 1     | 1         | 20      |                               | 200            |       |              | CLR FANS (CU-1a&CU-1b) (2) | 10      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 11                                    | HAND DRYER (2.6)       |                |             | 1,150 | 10       | 20      | 1     | 1         | 20      |                               |                |       | 540          | MECH ROOM RECEPTACLE       | 12      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 13                                    | DOOR OPERATOR          | 600            |             |       | 20       | 1       | 1     | 20        |         |                               | 600            |       |              | STCKRM &RTU RCPT/BUZZER    | 14      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 15                                    | SHOW WINDOW RECEPTS    |                | 360         |       | 20       | 1       | 1     | 20        |         |                               |                | 110   |              | CU-2 CASE FANS (2)         | 16      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 17                                    | EAS SYSTEMS (3)        |                |             | 540   | 20       | 1       | 1     | 20        |         |                               |                |       | 340          | CU-2 CASE LIGHTS (2.14)    | 18      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 19                                    | COOLER DOOR LTG (2.14) | 120            |             |       | 20       | 1       |       |           |         |                               | 1,800          |       |              |                            | 20      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 21                                    | 01A CIGARETTES         |                | 180         |       | 20       | 1       | 3     | 15        | 10      |                               |                | 1,800 |              | CU-2                       | 22      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 23                                    | C/O COOLER             |                |             | 750   | 20       | 1       |       |           |         |                               |                |       | 1,800        | 15.0A, 208/3               | 24      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 25                                    | NEW SIGN               | 750            |             |       | 20       | 1       | 1     | 20        |         |                               | 1,200          |       |              | CHECKOUT COOLER            | 26      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 27                                    | FIRE ALARM BOARD       |                | 360         |       | 20       | 1       | 1     | 20        |         |                               |                | 360   |              | LAV                        | 28      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 29                                    | FIRE ALARM BOARD       |                |             | 360   | 20       | 1       | 1     |           |         |                               |                |       |              | SPACE                      | 30      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 31                                    | SPACE                  |                |             |       |          |         | 1     | 1         |         |                               |                |       |              | SPACE                      | 32      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 33                                    | SPACE                  |                |             |       |          |         | 1     | 1         |         |                               |                |       |              | SPACE                      | 34      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 35                                    | SPACE                  |                |             |       |          |         | 1     | 1         |         |                               |                |       |              | SPACE                      | 36      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 37                                    | SPACE                  |                |             |       |          |         | 1     | 1         |         |                               |                |       |              | SPACE                      | 38      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 39                                    | SPACE                  |                |             |       |          |         | 1     | 1         |         |                               |                |       |              | SPACE                      | 40      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 41                                    | SPACE                  |                |             |       |          |         | 1     | 1         |         |                               |                |       |              | SPACE                      | 42      |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| SUBTOTAL                              |                        | 2,450          | 3,600       | 3,330 |          |         |       |           |         |                               | 8,195          | 6,205 | 6,415        | SUBTOTAL                   |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PHASE A - VA                    |                        | 10,645         | LOAD        |       | CONN. VA |         | DF    | LOAD      |         | CONN. VA                      |                | DF    |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                                  |                        | 89             | COOLING     |       | 16,605   |         | 1.00  | REFRIG    |         | 110                           |                | 1.00  |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PHASE B - VA                    |                        | 9,805          | HEATING     |       |          |         | 0     | SIGN/DISP |         | 750                           |                | 1.25  |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                                  |                        | 82             | LIGHTING    |       | 1,210    |         | 1.25  | KITCHEN   |         | 1.00                          |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PHASE C - VA                    |                        | 9,745          | RECEPTACLES |       | 3,350    |         | 1.0/5 | EXISTING  |         | 1.00                          |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                                  |                        | 81             | MOTORS      |       | -4,645   |         | 1.00  | LRG MOTOR |         | 9,115                         |                | 1.25  | TOTAL DEMAND |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PNLBD - VA                      |                        | 30,195         | SUPP HEAT   |       | 1.00     |         |       | SHOW WNDW |         | 2,800                         |                | 1.25  | 36,104 VA    |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                                  |                        | 84             | MISC EQUIP  |       | 3,340    |         | 1.00  | LTG TRACK |         | 1.00                          |                |       | 100 A        |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| PANELBOARD NOTES                      |                        |                |             |       |          |         |       |           |         |                               |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| SIGN/DISPLAY - SIGNAGE & DISPLAY CASE |                        |                |             |       |          |         |       |           |         |                               |                |       |              |                            |         |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |

| PANELBOARD: H4B2 (EXISTING)     |                      |                |             |         |          |     |       |           |     | FED FROM: MSB                 |                            |                |            |          |                  |         |    |  |  | EQUIPMENT GROUND BUS |  |  |  |  |  |  |  |  |  |
|---------------------------------|----------------------|----------------|-------------|---------|----------|-----|-------|-----------|-----|-------------------------------|----------------------------|----------------|------------|----------|------------------|---------|----|--|--|----------------------|--|--|--|--|--|--|--|--|--|
| BUS AMPS: 800A                  |                      |                |             |         |          |     |       |           |     | AIC RATING:   SERIES RATED    |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| MAIN SIZE/TYPE: MLO             |                      |                |             |         |          |     |       |           |     | SERVES: 480 VOLT DISTRIBUTION |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| VOLTS/PHASE: 480Y/277V, 3PH, 4W |                      |                |             |         |          |     |       |           |     | MOUNTING: SURFACE             |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| SECTION: 1                      |                      |                |             |         |          |     |       |           |     | LOCATION: ELEC ROOM 4         |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| CKT NO.                         | DESCRIPTION          | VOLTAMPS/PHASE |             |         | WIRE NO. | BKR | AMP   | P         | P   | BKR                           | WIRE NO.                   | VOLTAMPS/PHASE |            |          | DESCRIPTION      | CKT NO. |    |  |  |                      |  |  |  |  |  |  |  |  |  |
|                                 |                      | A              | B           | C       |          |     |       |           |     |                               |                            | A              | B          | C        |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 1                               | RACK A (13)          | 35,580         |             |         |          | 175 | 3     | 3         | 150 |                               |                            | 30,480         |            |          | RACK C (13)      | 2       |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 3                               |                      |                | 35,580      |         |          |     |       |           |     |                               |                            |                |            | 30,480   |                  | 4       |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 5                               |                      |                |             | 35,580  |          |     |       |           |     |                               |                            |                |            |          |                  | 30,480  | 6  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 7                               | RACK B (13)          | 40,650         |             |         |          | 200 | 3     | 3         | 150 |                               |                            | 32,870         |            |          | RACK F (13)      | 8       |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 9                               |                      |                | 40,650      |         |          |     |       |           |     |                               |                            |                |            | 32,870   |                  | 10      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 11                              |                      |                |             | 40,650  |          |     |       |           |     |                               |                            |                |            |          |                  | 32,870  | 12 |  |  |                      |  |  |  |  |  |  |  |  |  |
| 13                              | WH-G1 (13)           | 3,000          |             |         |          | 15  | 2     | 3         | 70  |                               |                            | 8,780          |            |          | PANEL LLQ (8)(2) | 14      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 15                              |                      | 3,000          |             |         |          |     |       |           |     |                               |                            |                | 10,440     | 16       |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 17                              | WH-G2 (13)           |                | 3,000       |         |          |     |       |           |     |                               |                            |                |            | 8,500    |                  | 18      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 19                              | WH-G3 (13)           | 3,000          |             |         |          | 15  | 2     | 3         |     |                               |                            |                |            |          | SPACE            | 20      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 21                              |                      |                | 3,000       |         |          |     |       |           |     |                               |                            |                |            |          |                  | 22      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 23                              |                      |                |             | 3,000   |          |     |       |           |     |                               |                            |                |            |          |                  | 24      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 25                              | TRANSFORMER TCH (13) | 28,042         |             |         |          | 175 | 3     | 3         |     |                               |                            |                |            |          | SPACE            | 26      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 27                              |                      |                | 31,192      |         |          |     |       |           |     |                               |                            |                |            |          |                  | 28      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| 29                              |                      |                |             | 26,517  |          |     |       |           |     |                               |                            |                |            |          |                  | 30      |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| SUBTOTAL                        |                      | 110,272        | 113,422     | 108,747 |          |     |       |           |     |                               | 72,130    73,790    71,850 |                |            | SUBTOTAL |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PHASE A - VA              |                      | 182,402        | LOAD        |         | CONN. VA |     | DF    | LOAD      |     | CONN. VA                      |                            | DF             |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                            |                      | 658            | COOLING     |         | 16,320   |     | 1.00  | REFRIG    |     | 788                           |                            | 1.00           |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PHASE B - VA              |                      | 187,212        | HEATING     |         |          |     | 0     | SIGN/DISP |     | 1.25                          |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                            |                      | 676            | LIGHTING    |         | 1,296    |     | 1.25  | KITCHEN   |     | 1.00                          |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PHASE C - VA              |                      | 180,597        | RECEPTACLES |         | 2,990    |     | 1.0/5 | EXISTING  |     | 521,150                       |                            | 1.00           |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                            |                      | 652            | MOTORS      |         | 4,867    |     | 1.00  | LRG MOTOR |     | 1.25                          |                            | TOTAL DEMAND   |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| TOTAL PNLBD - VA                |                      | 550,211        | SUPP HEAT   |         |          |     | 1.00  | SHOW WNDW |     | 360                           |                            | 1.25           | 550,625 VA |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| AMPS                            |                      | 662            | MISC EQUIP  |         | 2,440    |     | 1.00  | LTG TRACK |     | 1.00                          |                            | 662 A          |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |
| PANELBOARD NOTES                |                      |                |             |         |          |     |       |           |     |                               |                            |                |            |          |                  |         |    |  |  |                      |  |  |  |  |  |  |  |  |  |

| BUILDING ELECTRICAL SERVICE LOAD SUMMARY     |  |               |                      |
|----------------------------------------------|--|---------------|----------------------|
| BUILDING OCCUPANCY TYPE:                     |  | M             | SERVICE DESCRIPTION: |
| BUILDING SQUARE FOOTAGE:                     |  | 210,863       | 480Y/277V, 3PH       |
| LOAD DESCRIPTION                             |  | Connected KVA | Demand Factor        |
| EXISTING PEAK UTILITY LOAD @ 0.9 pf          |  | N/A           | 125%                 |
| HVAC - SUMMER                                |  | 32.93         | 100%                 |
| HVAC - WINTER                                |  | 30.00         | 100%                 |
| LIGHTING (PER NEC-220)                       |  | 6.47          | 125%                 |
| RECEPTACLES                                  |  | 8.72          | 100%;50%             |
| MOTOR LOADS                                  |  | 0.22          | 100%                 |
| LARGEST MOTOR LOAD                           |  | 9.12          | 125%                 |
| MISCELLANEOUS EQUIPMENT                      |  | 7.15          | 100%                 |
| REFRIGERATION EQUIPMENT                      |  | 0.90          | 100%                 |
| DISPLAY CASE/SIGNAGE                         |  | 0.75          | 125%                 |
| SHOW WINDOW / TRACK LIGHTING                 |  | 3.16          | PER NEC              |
| EXTERIOR LIGHTING                            |  | 0.58          | 125%                 |
| EXISTING LOAD TO BE DELETED                  |  | 0.40          | 100%                 |
| TOTAL LOAD                                   |  | 99.60         | KVA                  |
| TOTAL AMPACITY                               |  | 119.80        | AMPS                 |
| SERVICE AMPACITY                             |  | 4000          | AMPS                 |
| SPARE CAPACITY                               |  |               | AMPS                 |
| *PER UTILITY COMPANY BILLING PEAK DEMAND OF: |  | 1084 KW       | Jul-16               |

COORDINATE ALL CHANGES TO EXISTING ELECTRICAL SERVICE AND METERING WITH UTILITY COMPANY.

STORE ADDRESS: WALMART GENERAL REMODEL  
9885 COLLIER BLVD  
NAPLES, FLORIDA 34114

UTILITY COMPANY: FPL  
CONTACT: JULIET WARD  
PHONE: (961) 640-2555

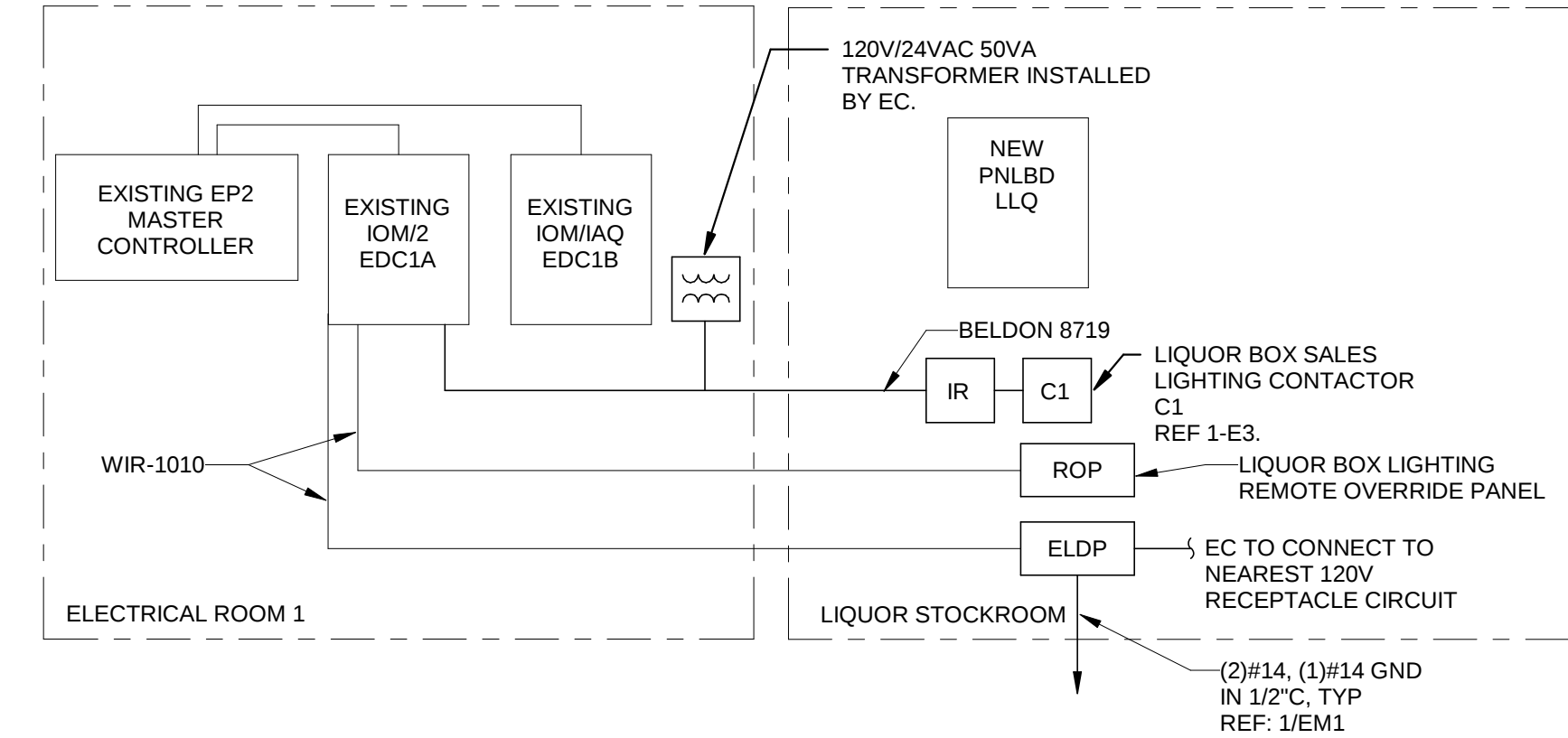
| CONTACTOR SCHEDULE |  |  |  |
|--------------------|--|--|--|
|--------------------|--|--|--|

DIMMING CONTROL INFORMATION

1) LIQUOR BOX SALES LIGHTING ELDP-CONNECT TO IOM/2-EDC1A OPEN OUTPUT #5(INPUT #3. SETPOINT:  
6AM-10PM - ELDP - 9 VOLTS  
10PM-6AM - ELDP - 3 VOLTS  
VERIFY DIMMING SCHEDULE WITH STORE MANAGER

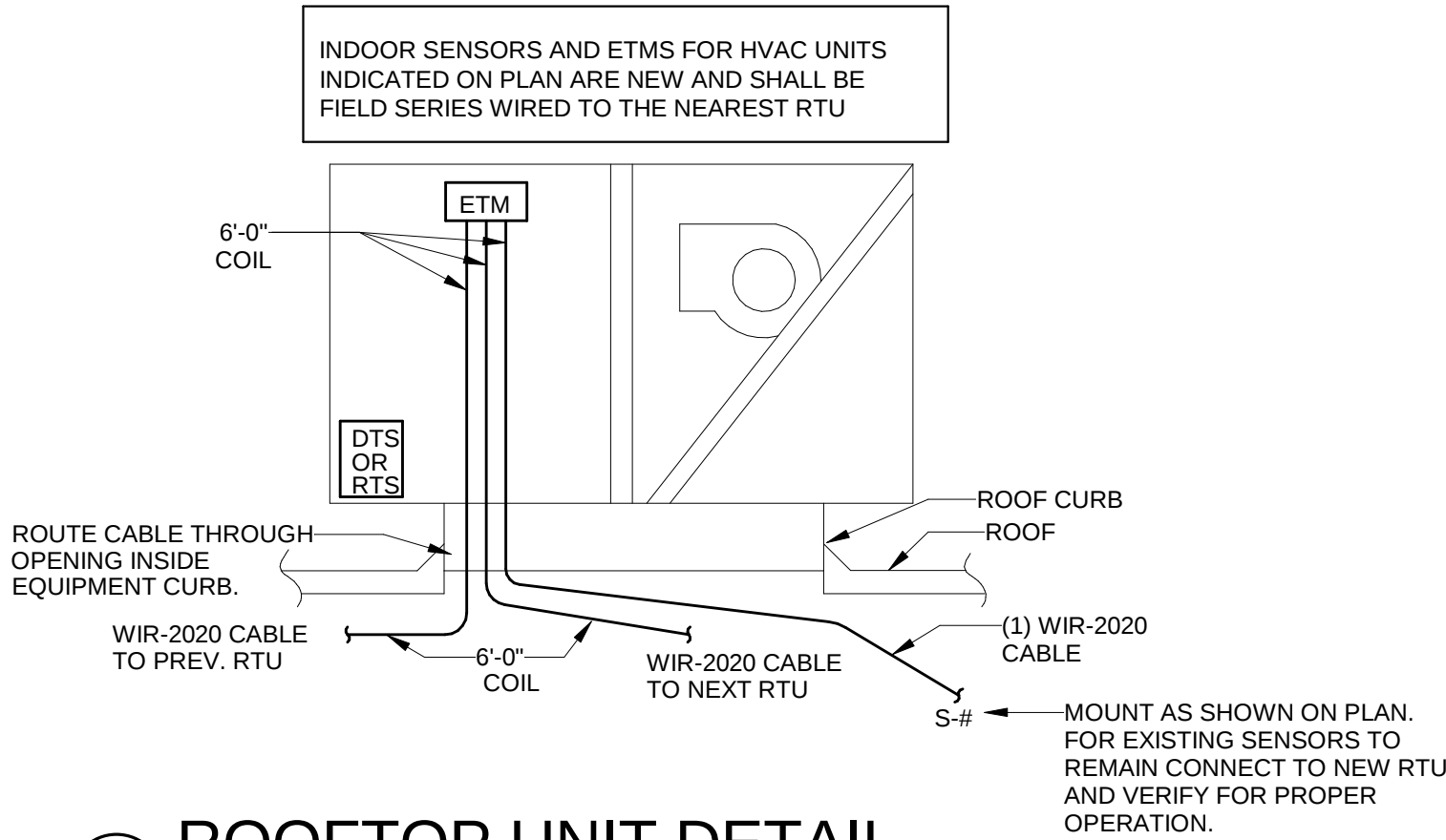
CONTROL INFORMATION

1) CONNECT "LIQUOR BOX SALES LIGHTING" TO IOM/2-EDC1A OPEN OUTPUT 6 - COORDINATE ON/OFF PROGRAMMING WITH WM CONSTRUCTION MANAGER.PROGRAM ROP TO OVER RIDE CONTACTOR C1 FOR 2 HOUR MAX ON TIME CONNECT TO IOM/2-EDC1A OPEN INPUT #4



2 PARTIAL EMS ONE-LINE  
NTS

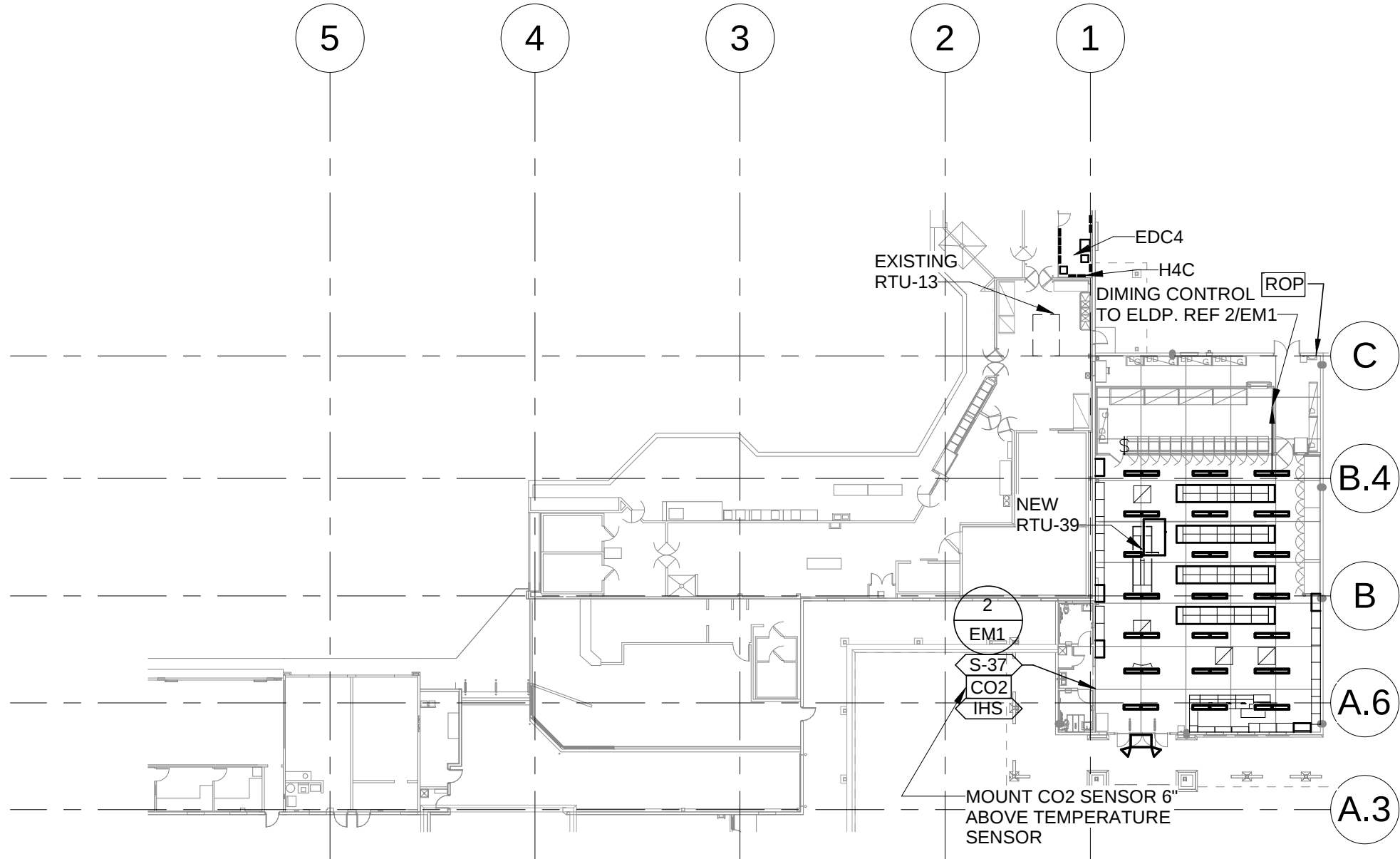
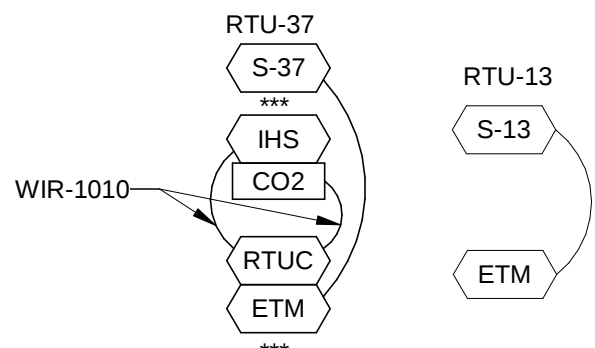
3 ROOFTOP UNIT DETAIL  
NTS WREE09



| WIRE LEGEND                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------------------|--|
| WIR-1010 (TAN CABLE 18-2, 20-2 TWISTED PAIR)                                                                       |  |
| WIR-2020 (BLUE CABLE 22-2 TWISTED PAIR)                                                                            |  |
| BELDEN 8719 (16-2 TWISTED PAIR)                                                                                    |  |
| BELDEN 8761 (22-2 TWISTED PAIR)                                                                                    |  |
| BELDEN 8771 (22-3 TWISTED PAIR)                                                                                    |  |
| BELDEN 9418 (18-4 W/DRAIN GROUND)                                                                                  |  |
| BELDEN 1120A (18-3 TWISTED PAIR)                                                                                   |  |
| NOTES:<br>1. ALL CABLE WIR-2020 UNLESS NOTED OTHERWISE.<br>2. ALL CABLE FURNISHED AND INSTALLED BY EMS CONTRACTOR. |  |

INDOOR SENSORS AND ETMS FOR HVAC UNITS NOTED "\*\*\*\*" ARE NEW. ETMS SHALL BE FIELD SERIES WIRED TO NEAREST EXISTING RTU ETM.

EMS CABLING SHALL COMPLY WITH FLAME SPREAD REQUIREMENTS OF NEC 725.179 AND INSTALLATION LOCATIONS IN NEC 725.154.



1 ENERGY MANAGEMENT PLAN  
1/32" = 1'-0"

NOTE: ALL WORK ON THIS SHEET IS TO BE COMPLETED BY WALMART APPROVED CONTRACTOR.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

## EMS EQUIPMENT SALVAGE REQUIREMENTS

ALL DEMOLISHED NOVAR EMS EQUIPMENT SHALL BE RETURNED TO WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER. EQUIPMENT TO BE RETURNED INCLUDES: EXECUTIVE CONTROLLER(S), IOM(S), CIM(S), CCM(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED CLOSE-OUT DOCUMENTS.

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND E-MAIL TO NSRM@WALMART.COM. THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE DOWN. THEN SEND A FOLLOW UP EMAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

## GENERAL EMS NOTES

- 09.27.13 EN07
- TEMPERATURE AND CO2 SENSOR MOUNTING: PROVIDE 1/2" CONDUIT AND INSTALL EMS CABLE FROM SENSOR TO CONTROL MODULE. MOUNT SENSOR ON BOX. ALL SENSORS TO BE MOUNTED AT +84" UNLESS NOTED OTHERWISE. SENSORS ON SALES FLOOR SHALL BE MOUNTED ON THE FRONT OF THE COLUMN. DO NOT INSTALL SENSORS IN HVAC SUPPLY AIR PATH OR IN DIRECT SUNLIGHT. REF MECHANICAL DRAWINGS FOR EXACT LOCATIONS.  
A. GYPSUM BOARD WALLS: PROVIDE A 4" SQUARE RECESSED BOX WITH A SINGLE GANG PLASTER RING FLUSH MOUNTED VERTICALLY.  
B. BLOCK WALLS AND COLUMNS: PROVIDE A 2"x4" BOX SURFACE MOUNTED VERTICALLY.  
C. INSULATE BEHIND SENSORS MOUNTED ON EXTERIOR WALLS WITH 1/2" POLYSTYRENE SPACER.  
D. MOUNT CO2 SENSORS 6" ABOVE TEMPERATURE SENSORS.
  - TERMINATIONS SHALL BE MADE IN ACCORDANCE WITH EMS SUPPLIER INSTALLATION INSTRUCTIONS. NO FOIL OR UNUSED WIRE(S) SHALL BE EXPOSED AFTER APPLICATION OF HEAT SHRINK.
  - CABLE: PROVIDE CABLE ACCORDING TO DRAWINGS. NO DEVIATION FROM DRAWINGS WILL BE ACCEPTED. CABLES SHALL HAVE EACH END LABELED INDICATING WHERE THE OPPOSITE END TERMINATES. CABLE SHALL BE INSTALLED IN CONDUIT OR CABLE TRAY IN FINISHED AREAS OF BUILDING.
  - MINOR CHANGES IN MATERIALS OR TERMINATION POINTS SHALL NOT INCREASE CONTRACT COST.
  - ROUTE EMS CONDUITS IN SALES AREA CONCEALED (IN WALLS, PIPE RACKS AND/OR CHASES). PROVIDE A TRANSITION FROM THE PVC UNDERSLAB EMS CONDUIT TO EMT OR FLEX. EMS CABLES SHALL BE RUN IN CONDUIT FULL LENGTH, BENEATH REFRIGERATED CASES. EMS CABLES AT BAR JOIST LEVEL IN THE STOCKROOM CAN BE EXPOSED.
  - DEMOLITION: COORDINATE WITH ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF EMS DEMOLITION. REMOVE CONDUIT AND WIRES ALL THE WAY BACK TO ORIGINATING JUNCTION BOXES OR DEVICES. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS.
  - EMS CONTRACTOR SHALL PROVIDE ASSISTANCE TO THE EMS SUPPLIER ON PERFORMING EQUIPMENT TESTS ON POWER SWITCHING PANELS AS NECESSARY.

## EMS SYMBOLS

|               |                                        |
|---------------|----------------------------------------|
| 10.30.15 ES09 |                                        |
| <AHUC>        | AHU CONTROLLER                         |
| <AHUS#>       | AHU TEM/RH SENSOR                      |
| <ALS>         | ANALOG LIGHT SENSOR                    |
| <ETM>         | ELECTRONIC THERMOSTAT MODULE           |
| <IDS>         | INDOOR DEWPOINT SENSOR                 |
| <IHS>         | INDOOR HUMIDITY SENSOR                 |
| <ITS>         | INDOOR TEMPERATURE SENSOR              |
| <ODS>         | OUTDOOR DEWPOINT SENSOR                |
| <OTS>         | OUTDOOR TEMPERATURE SENSOR             |
| <S-X>         | WALL TEMPERATURE SENSOR                |
| <S#>          | UNIT HEATER TEMPERATURE SENSOR         |
| <RTUC>        | ROOFTOP UNIT CONTROLLER                |
| [BAP]         | BUILDING ALARM PANEL                   |
| [CO2]         | CARBON DIOXIDE SENSOR                  |
| [LINGO XE]    | BUILDING EMS CONTROLLER                |
| [FDI]         | FLUORESCENT DIMMER INTERFACE           |
| [HIR]         | HUMIDITY INTERFACE RELAY               |
| [IAO]         | INTERFACE ANALOG OUTPUT                |
| [IFP]         | INTERFACE PANEL                        |
| [IOM]         | INPUT/OUTPUT MODULE                    |
| [IR]          | INTERFACE RELAY                        |
| [C#]          | CONTACTOR                              |
| [MINIO]       | AHU INTERFACE MODULE AND/OR I/O MODULE |
| [PLM]         | PHASE LOSS MONITOR                     |
| [PSOP]        | POWER SWITCHING OVERRIDE PANEL         |
| [PSP]         | POWER SWITCHING PANEL                  |
| [ROP]         | REMOTE OVERRIDE PANEL                  |
| [ELDP]        | ECLIPSE LIGHT DIMMING PANEL            |
| [UCM]         | UNITARY CONTROL MODULE                 |
| [XCM.20R]     | BUILDING EMS CONTROLLER                |
| [NOS]         | NIGHTTIME OVERRIDE SWITCH              |
| [S]           | MOMENTARY PUSH BUTTON SWITCH           |
| —             | NEW EQUIPMENT                          |
| —             | EXISTING EQUIPMENT                     |
| - - - -       | FACTORY INSTALLED EQUIPMENT            |
| - - - -       | EQUIPMENT TO BE DEMOLISHED             |

Walmart  
NAPLES, FL  
9885 COLLIER BLVD  
STORE NO: 5055

ISSUE BLOCK

CHECKED BY: HLW  
DRAWN BY: VM  
PROTO: 120216  
DOCUMENT DATE: 02/10/17

VINCENT G. MASILIONIS  
LICENSE # 68913

EMS PLAN

novar.

SHEET:  
EM1

STIPULATION FOR REUSE

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CONSULTANTS

HENDERSON  
ENGINEERS  
8461 BREEZEMAR DRIVE, SUITE 300  
NAPLES, FL 34109  
TEL: 813.435.1234  
WWW.HENDERSON-ENGINEERS.COM  
FL CORPORATE NUMBER: 178025055  
EXPIRATION DATE: 02/28/25

JOB NUMBER: 178025055 LIQUOR BOX ADDITION

ISSUE BLOCK

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AIR-COOLED ROOFTOP UNITS

RTU CONTROLLER SHALL COMMUNICATE DIRECTLY TO THE BUILDING EMS SYSTEM.

ALL RTU ZONE SETPOINTS FROM THE BUILDING EMS ARE AS FOLLOWS:

| RTU ZONE SETPOINTS                                                            |                 |                     |                     |                 |                     |                     |
|-------------------------------------------------------------------------------|-----------------|---------------------|---------------------|-----------------|---------------------|---------------------|
| SPACE                                                                         | OCCUPIED        |                     |                     | UNOCCUPIED      |                     |                     |
|                                                                               | (1)<br>SCHEDULE | COOLING<br>SETPOINT | HEATING<br>SETPOINT | (1)<br>SCHEDULE | COOLING<br>SETPOINT | HEATING<br>SETPOINT |
| LIQUOR SALES                                                                  | 24/7            | 76 +/-0.5           | 67 +/-0.5           | N/A             | 78 +/-0.5           | 63 +/-0.5           |
| 1. ADJUSTMENTS TO SCHEDULE WILL NEED TO BE MADE IF THE STORE IS NOT OPEN 24/7 |                 |                     |                     |                 |                     |                     |
| 02.28.14                                                                      |                 |                     |                     |                 |                     |                     |

SUPPLY FAN OPERATION  
FOR RTUS IDENTIFIED IN THE MECHANICAL SCHEDULE TO BE "CONT" FAN CONTROL, THE EMS SYSTEM SHALL ENERGIZE THE SUPPLY FAN TO OPERATE CONTINUOUSLY IN OCCUPIED MODE ONLY. IN UNOCCUPIED MODE, THE OEM CONTROLLER SHALL ENERGIZE THE SUPPLY FAN TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING.

FOR RTUS IDENTIFIED IN THE MECHANICAL SCHEDULE TO BE "AUTO" FAN CONTROL, THE OEM CONTROLLER SHALL ENERGIZE THE SUPPLY FAN TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING.

FOR RTUS WITH VARIABLE SPEED FAN OPERATION, THE FAN SPEED SHALL BE CONTROLLED BY THE OEM CONTROLLER BASED ON AMOUNT OF OPERATING COMPRESSOR CAPACITY. VARIABLE SPEED FAN CONTROL SHALL RANGE LINEARLY OR IN DISCRETE STAGES FROM MINIMUM SETTING UP TO DESIGN AIRFLOW AS DETERMINED BY OEM BASED ON COMPRESSOR CAPACITY CONTROL. SUPPLY FAN SPEED DURING ECONOMIZER OPERATION SHALL BE CONTROLLED BY THE OEM CONTROLLER AND SHALL BE AT DESIGN AIRFLOW FROM MECHANICAL SCHEDULE.

OUTSIDE AIR DAMPER OPERATION  
WHEN THE SUPPLY FAN IS OFF, THE OUTSIDE AIR DAMPER SHALL GO TO THE 0% OPEN POSITION.

UNLESS OPERATING IN ECONOMIZER MODE, WHEN THE SUPPLY FAN IS ON THE OUTSIDE AIR DAMPER SHALL GO TO THE MINIMUM POSITION SET BY TEST AND BALANCE PER THE OUTSIDE AIR QUANTITY ON THE MECHANICAL SCHEDULE AND IS ADJUSTABLE FROM 0 TO 100%.

ECONOMIZER OPERATION  
OEM CONTROLLER SHALL BE IN ECONOMIZER MODE WHEN BOTH OF THE FOLLOWING OUTSIDE AIR CONDITIONS ARE MET:

OUTSIDE DRY BULB TEMPERATURE > 0°F AND < 68°F  
OUTSIDE DEWPOINT TEMPERATURE < 48°F DP

ECONOMIZER COOLING OPERATION (ECONOMIZER ENABLED)  
WHEN IN ECONOMIZER MODE, AND THERE IS A CALL FOR COOLING BASED ON SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, ECONOMIZER COOLING SHALL BE ENERGIZED AND THE OEM CONTROLLER SHALL MODULATE THE OUTSIDE AIR AND RETURN AIR DAMPERS TO MAINTAIN A SUPPLY AIR TEMPERATURE OF 45°F. THE UNIT SHALL RUN IN ECONOMIZER MODE FOR A MINIMUM OF 10 MINUTES AFTER THE ECONOMIZER DAMPER HAS MODULATED TO THE 100% OPEN POSITION BEFORE ENERGIZING THE FIRST STAGE MECHANICAL COOLING. THE OEM CONTROLLER SHALL DISABLE MECHANICAL COOLING WHEN OUTSIDE AIR TEMPERATURE FROM THE OEM OUTDOOR AIR SENSOR IS LESS THAN 45°F.

IF THE SPACE TEMPERATURE INCREASES TO >= 0.5°F ABOVE SPACE COOLING SETPOINT AND THE ECONOMIZER DAMPER HAS BEEN 100% OPEN FOR A MINIMUM OF 10 MINUTES, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MAINTAIN THE OUTSIDE AIR DAMPER AT THE 100% OPEN POSITION.

IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5°F INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.

| COOLING STAGES |        |        |
|----------------|--------|--------|
| STAGE #        | ON     | OFF    |
| ECONOMIZER     | SP+0.5 | SP-0.5 |
| 1              | SP+1.5 | SP     |
| 2              | SP+2.0 | SP+1.0 |
| 04.25.14       |        |        |

COOLING OPERATION (ECONOMIZER DISABLED)  
IF NOT OPERATING IN ECONOMIZER MODE AND THERE IS A CALL FOR COOLING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.

IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5°F INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5°F INCREMENTS.

| COOLING STAGES |        |        |
|----------------|--------|--------|
| STAGE #        | ON     | OFF    |
| 1              | SP+1.0 | SP-0.5 |
| 2              | SP+2.0 | SP+0.5 |
| 04.25.14       |        |        |

HEATING OPERATION  
UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE HEATING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.

IF THE SPACE TEMPERATURE CONTINUES TO DECREASE AFTER ENERGIZING HEATING, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES HEATING IN 0.5°F INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF HEATING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF HEATING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

HEATING STAGES SHALL DE-ENERGIZE AS THE HEATER CUTOUT TEMPERATURES ARE SATISFIED IN 0.5° INCREMENTS.

| HEATING STAGES |        |        |
|----------------|--------|--------|
| STAGE #        | ON     | OFF    |
| 1              | SP-1.0 | SP-0.5 |
| 2              | SP-2.0 | SP-0.5 |
| 04.25.14       |        |        |

HUMIDITROL DEHUMIDIFICATION MODE  
DEHUMIDIFICATION MODE SHALL BE ENERGIZED BY A CALL FROM THE OEM CONTROLLER FOR DEHUMIDIFICATION BASED ON ITS RELATIVE HUMIDITY SPACE SENSOR.

DEHUMIDIFICATION BASED ON INDOOR RELATIVE HUMIDITY  
WHEN THE SPACE RELATIVE HUMIDITY SENSOR EXCEEDS THE SPACE RELATIVE HUMIDITY SETPOINT, THE OEM CONTROLLER SHALL ENERGIZE DEHUMIDIFICATION MODE. WHEN SPACE RELATIVE HUMIDITY DROPS BELOW THE SPACE RELATIVE HUMIDITY SETPOINT MINUS INDOOR RELATIVE HUMIDITY DEADBAND, THE OEM CONTROLLER SHALL DE-ENERGIZE DEHUMIDIFICATION.

| LIQUOR SALES RTU ZONE HUMIDITY SETPOINT |                     |                   |
|-----------------------------------------|---------------------|-------------------|
| SPACE                                   | OCCUPIED/UNOCCUPIED |                   |
|                                         | SCHEDULE            | HUMIDITY SETPOINT |
| LIQUOR SALES                            | 24/7                | 50% RH +/- 3%     |

DEMAND CONTROL VENTILATION  
FOR UNITS SPECIFIED THE OEM SPACE CO2 SENSORS, UPON EXCEEDING THE UPPER THRESHOLD LIMIT FOR SPACE CO2 LEVELS THE OEM CONTROLLER SHALL ENERGIZE THE RTU SUPPLY FAN TO DESIGN AIRFLOW AND OVERRIDE THE ECONOMIZER DAMPER TO THE 100% OPEN POSITION UNTIL THE SPACE CO2 LEVELS DROP TO THE LOWER THRESHOLD LIMIT AT WHICH TIME THE UNIT SHALL RESUME NORMAL OPERATION. OEM CONTROLLER SHALL ENERGIZE COOLING OR HEATING BASED ON SPACE TEMPERATURE DURING DEMAND CONTROL VENTILATION OPERATION.

| DEMAND CONTROL VENTILATION |                 |
|----------------------------|-----------------|
| DAMPER POSITION            | CO2 LEVEL (PPM) |
| FULL OPEN                  | 1100            |
| MINIMUM (AS SCHEDULED)     | 1000            |
| 07.25.14                   |                 |

SMOKE DETECTORS  
FOR UNITS EQUIPPED WITH SMOKE DETECTORS (DUCT MOUNTED OR SPACE MOUNTED) THE SMOKE DETECTOR SHALL SHUT-DOWN THE UNIT UPON SMOKE DETECTOR ACTIVATION. IF REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION, UPON SMOKE DETECTOR ACTIVATION ADDITIONAL UNITS SHALL SHUT-DOWN UPON A SIGNAL FROM THE OWNER ALARM SYSTEM TO THE OEM CONTROLLER. THE OEM CONTROLLER SHALL CLOSE THE OUTSIDE AIR DAMPER TO THE 0% OPEN POSITION, SHUT-DOWN ALL STAGES OF COOLING OR HEATING AND TURN OFF THE SUPPLY FAN. OEM CONTROLLER SHALL OVERRIDE ALL OTHER SPACE CONDITION DEMANDS WHEN UNIT HAS RECEIVED A SMOKE DETECTOR ACTIVATION ALARM.

RTU PROTECTION  
ALL EQUIPMENT SAFETY SEQUENCES, I.E. COMPRESSOR RESET, GAS BURNER RESET, ETC SHALL BE CONTROLLED BY THE OEM CONTROLLER.

ALARMS  
THE RTU CONTROLLER SHALL COMMUNICATE ALL RTU ERROR CODES (A TOTAL OF 10 ERROR CODES) TO THE BUILDING EMS SYSTEM. THE BUILDING EMS SYSTEM SHALL GENERATE AND COMMUNICATE THE FOLLOWING ALARMS TO THE OWNER ALARM REPORTING PROGRAM (WARP).

| RTU LOAD ALARM LIST |                                     |                                |              |
|---------------------|-------------------------------------|--------------------------------|--------------|
| ERROR CODE          | FROM EMS TO OWNER                   |                                | EMS PRIORITY |
|                     | FROM OEM CONTROLLER TO BUILDING EMS | ALARM REPORTING PROGRAM (WARP) |              |
| 4                   | SMOKE ALARM                         | YES                            | DAILY        |
| 5                   | AIR FLOW SWITCH                     | YES                            | DAILY        |
| 20                  | INPUT ERROR, PHASE LOSS OR VFD FAIL | YES                            | DAILY        |
| 74                  | ZONE SENSOR PROBLEM                 | YES                            | DAILY        |
| 02.28.14            |                                     |                                |              |

THE BUILDING EMS SYSTEM SHALL COMMUNICATE THE REQUIRED ALARM LIST TO THE OWNER ALARM REPORTING PROGRAM (WARP).

| RTU MONITORING ALARM LIST                 |                                |          |                                        |
|-------------------------------------------|--------------------------------|----------|----------------------------------------|
| DESCRIPTION                               | FROM EMS TO OWNER              | EMS      | ALARM LEVEL                            |
|                                           | ALARM REPORTING PROGRAM (WARP) | PRIORITY |                                        |
| SPACE TEMP-SALES FLOOR                    | YES                            | DAILY    | SPACE TEMP <60 DF OR >82 DF FOR 60 MIN |
| NOTE: ALARMS SHALL BE IDENTIFIED BY UNIT. |                                |          |                                        |
| 06.19.14                                  |                                |          |                                        |

COMMUNICATION DATA POINT LIST  
THE RTU CONTROLLER AND BUILDING EMS SYSTEM SHALL TRANSFER THE COMMUNICATION DATA POINTS BASED ON THE FOLLOWING SCHEDULE.

| LENNOX EMS COMMUNICATION DATA POINT LIST              |                              |       |
|-------------------------------------------------------|------------------------------|-------|
| FROM BUILDING EMS TO RTU CONTROLLER - DIGITAL OUTPUTS |                              |       |
| OBJECT ID                                             | OBJECT NAME                  | UNITS |
| 101                                                   | FAN ON/OFF                   | NONE  |
| 102                                                   | HEAT 1 ON/OFF                | NONE  |
| 103                                                   | HEAT 2 ON/OFF                | NONE  |
| 103                                                   | COOL 1 ON/OFF                | NONE  |
| 105                                                   | COOL 2 ON/OFF                | NONE  |
| FROM RTU CONTROLLER TO EMS - DIGITAL INPUTS           |                              |       |
| OBJECT ID                                             | OBJECT NAME                  | UNITS |
| 201                                                   | FAN STATUS (AIR FLOW SWITCH) | NONE  |
| 06.19.14                                              |                              |       |

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STIPULATION FOR REUSE  
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EXP. DATE: 12/31/2017

Walmart  
NAPLES, FL  
9885 COLLIER BLVD  
STORE NO: 5055  
JOB NUMBER: 1708025055 LIQUOR BOX ADDITION

ISSUE BLOCK

CHECKED BY: HLW  
DRAWN BY: VM  
PROTO: 120216  
DOCUMENT DATE: 02/10/17

VINCENT G. MASILIONIS  
LICENSE # 68913

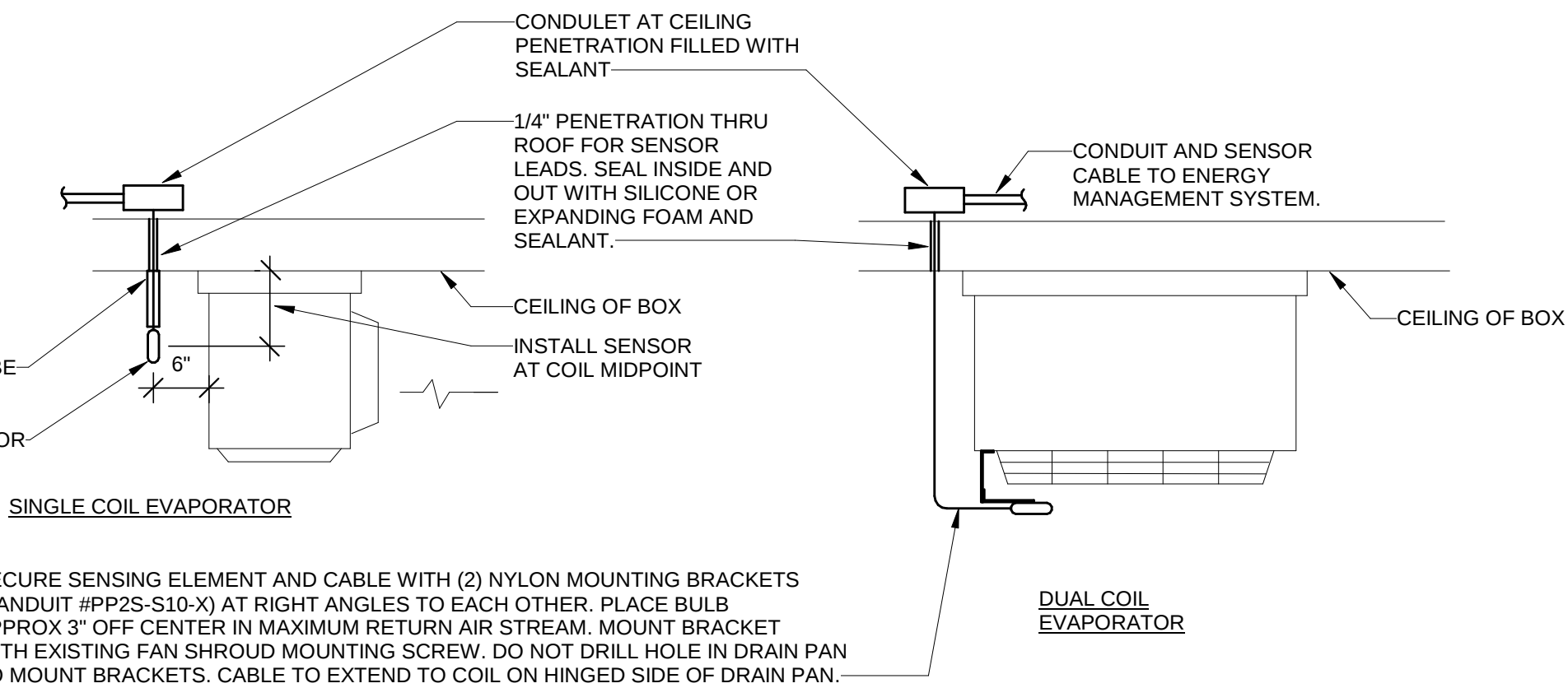
SEQUENCES OF OPERATION

novar.

SHEET:  
EM2

## 2 PARTIAL REFRIGERATION EMS ONE-LINE DIAGRAM

NTS



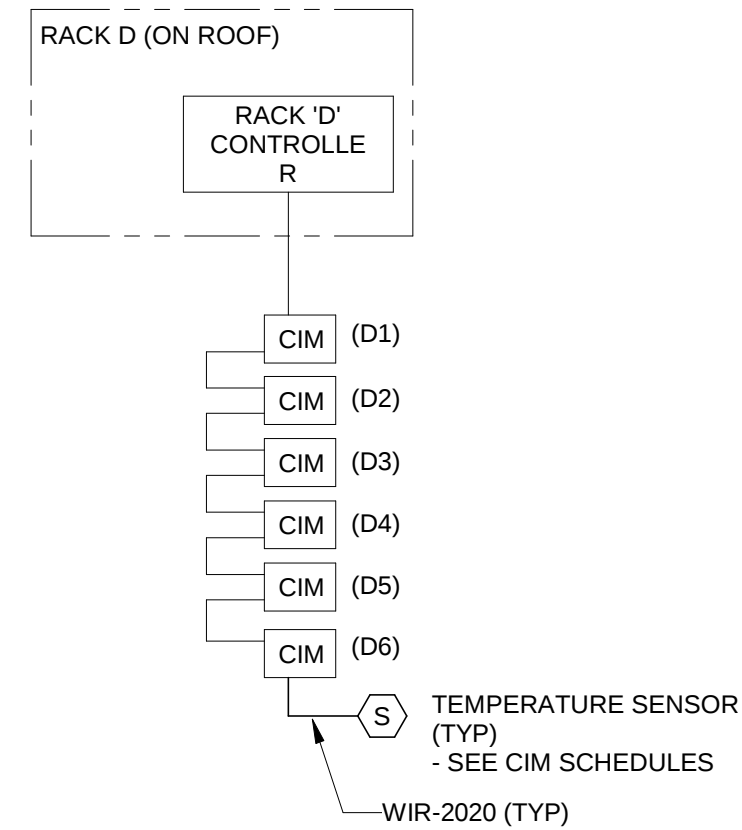
## 3 TEMPERATURE SENSOR LOCATION

NTS

01.21.11

ME05

| CIM/2-D6 SCHEDULE (E) |         |                |
|-----------------------|---------|----------------|
| 1                     | MTD-6a  | (SENSOR) (E)   |
| 2                     | MTD-6b  | (SENSOR) (E)   |
| 3                     | MTD-6c  | (SENSOR) (E)   |
| 4                     | MT-CU1a | (SENSOR) ##    |
| 5                     | MT-CU1b | (SENSOR) ##    |
| 6                     | MT-CU2a | (SENSOR) ## ** |
| 7                     | MT-CU2b | (SENSOR) ## ** |
| 8                     | MT-CU2c | (SENSOR) ## ** |
| AUX                   | SPARE   |                |



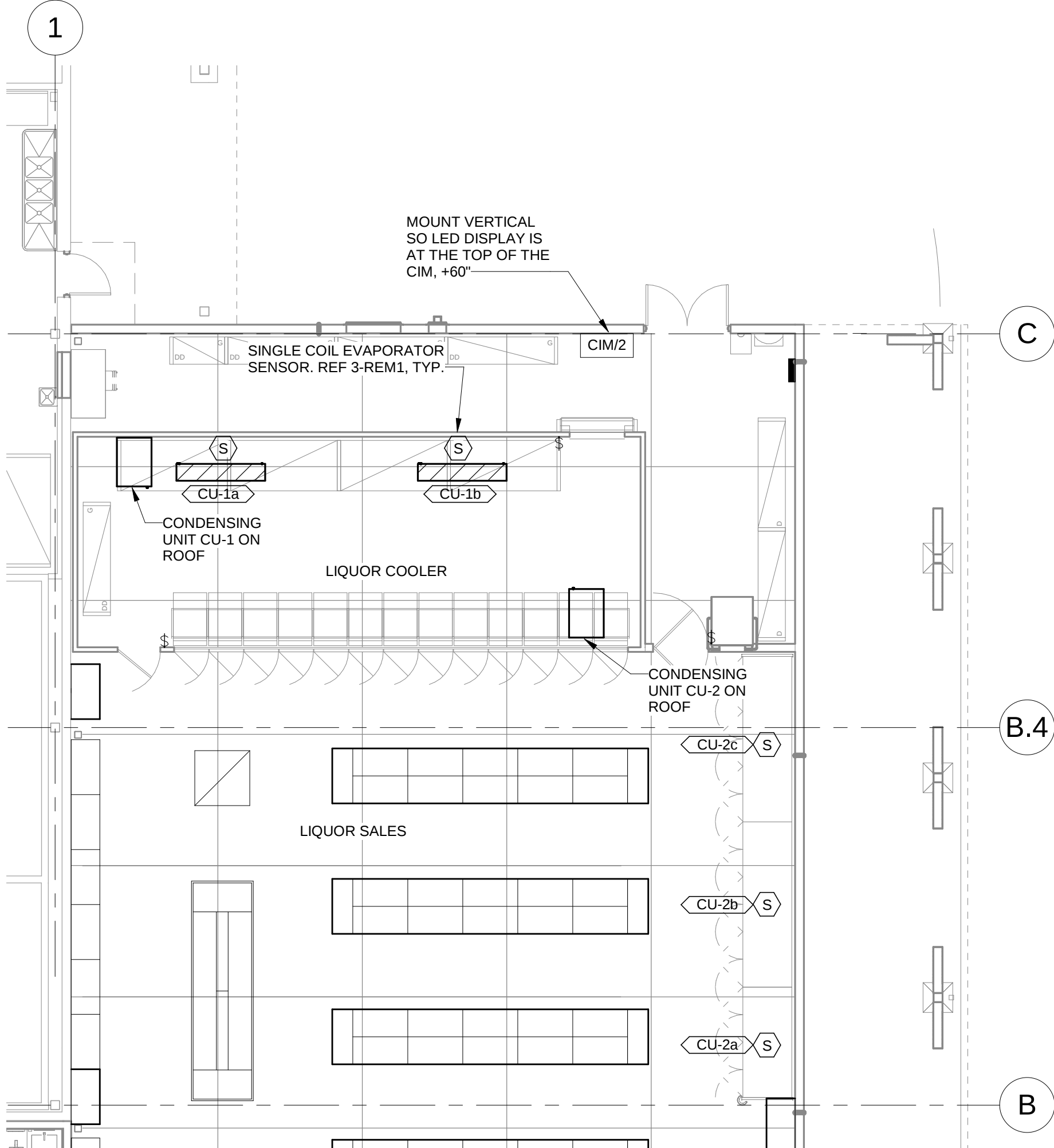
| WIRE LEGEND                                             |  |
|---------------------------------------------------------|--|
| WIR-1010 (TAN CABLE 18-2, 20-2 TWISTED PAIR)            |  |
| WIR-2020 (BLUE CABLE 22-2 TWISTED PAIR)                 |  |
| BELDEN 8719 (16-2 TWISTED PAIR)                         |  |
| BELDEN 8761 (22-2 TWISTED PAIR)                         |  |
| BELDEN 8771 (22-3 TWISTED PAIR)                         |  |
| BELDEN 9418 (18-4 W/DRAIN GROUND)                       |  |
| BELDEN 1120A (18-3 TWISTED PAIR)                        |  |
| NOTES:                                                  |  |
| 1. ALL CABLE WIR-2020 UNLESS NOTED OTHERWISE.           |  |
| 2. ALL CABLE FURNISHED AND INSTALLED BY EMS CONTRACTOR. |  |

| CIM NOTES                                       |      |
|-------------------------------------------------|------|
| 06.15.09                                        | REMC |
| (E) - EXISTING DEVICE TO REMAIN                 |      |
| (R) - EXISTING DEVICE TO RELOCATE AND RECONNECT |      |
| ## - MONITORING ONLY DEVICE                     |      |
| ** - FACTORY INSTALLED DEVICE                   |      |
| NOTE: ALL DEVICES NOT NOTED ARE NEW             |      |

ONE-LINE REFLECTS THE INTENDED DESIGN BASED ON NEW CASES AND EXISTING SYSTEM NUMBERS. VERIFY ALL EXISTING CONDITIONS AND LOCATION OF ALL EMS EQUIPMENT PRIOR TO ROUGH-IN.

## 1 REFRIGERATION ENERGY MANAGEMENT PLAN

1/8" = 1'-0"



## EMS EQUIPMENT SALVAGE REQUIREMENTS

12.19.14

EN15

ALL DEMOLISHED NOVAR EMS EQUIPMENT SHALL BE RETURNED TO WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER. EQUIPMENT TO BE RETURNED INCLUDES: EXECUTIVE CONTROLLER(S), IOM(S), CIM(S), CCM(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED CLOSE-OUT DOCUMENTS.

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND E-MAIL TO NSRM@WALMART.COM. THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE DOWN. THEN SEND A FOLLOW UP EMAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

## GENERAL REFRIGERATION EMS NOTES

02.28.14

EN05

- EMS CONTRACTOR SHALL CONTACT THE EMS SUPPLIER TO OBTAIN A CURRENT MODULE CONFIGURATION PRINTOUT BEFORE TERMINATING SENSOR LEADS AT INPUT MODULES. THE REQUEST FOR THE CONFIGURATION PRINTOUT SHALL BE MADE PRIOR TO THE INSTALLATION OF EMS CABLES. WIRING TERMINATIONS SHALL BE LANDED ACCORDING TO THE EMS SUPPLIER CONFIGURATION SHEETS.
- EMS CONTRACTOR SHALL PROVIDE COMPLETED REFRIGERATION SENSOR INPUT VERIFICATION FORMS TO THE EMS SUPPLIER AT THE BEGINNING OF THE REFRIGERATION EQUIPMENT STARTUP. EMS INSTALLER SHALL PROVIDE ASSISTANCE TO THE EMS SUPPLIER FOR SPOT CHECKING OF SENSORS FOR ACCURACY.
- ALL EMS CABLE ON THE SALES FLOOR SHALL BE ROUTED IN CONDUIT AND CONCEALED FROM VIEW AND ROUTED ALONGSIDE OTHER PIPING OR CONDUIT AS MUCH AS POSSIBLE.
- EMS CONTRACTOR SHALL BE PRESENT AND AVAILABLE TO RESOLVE ISSUES AND PROVIDE REFRIGERATION STARTUP ASSISTANCE UNTIL RELEASED BY THE EMS SUPPLIER AND WAL-MART REFRIGERATION CONSTRUCTION COORDINATOR.
- DURING THE REFRIGERATION STARTUP, EMS CONTRACTOR SHALL COMPLETE ALL UNRESOLVED REFRIGERATION WORK PRIOR TO WORKING ON OTHER EMS INSTALLATION ITEMS.
- WHEN THE EMS SUPPLIER IS NOT SCHEDULED TO PERFORM THE ON SITE REFRIGERATION STARTUP, THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL CHECKS AND TEST TO ENSURE A FULLY FUNCTIONAL REFRIGERATION CONTROL SYSTEM. CONTACT THE EMS SUPPLIER FOR THE BLANK TEST VERIFICATION FORMS AND INSTRUCTIONS FOR COMPLETING. ALL COMPLETED TEST VERIFICATION FORMS SHALL BE RETURNED TO THE WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER.
- REFER TO ARCHITECTURAL DRAWINGS FOR PIPING INSTALLATION AND SEALING REQUIREMENTS FOR DEVICES SHOWN ON COOLER/FREEZER PANELS. DO NOT INSTALL PIPING WITHIN COOLER/FREEZER PANELS.
- ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:
  - SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS; SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.
  - INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING; USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.
  - COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS; APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.
- REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.

## REM SYMBOLS

07.31.15

ES10

|             |                                  |
|-------------|----------------------------------|
| ◀ LTA-X ▶   | REFRIGERATION CIRCUIT            |
| XCM.20R     | REFRIGERATION RACK CONTROLLER    |
| RIM         | RACK INPUT MODULE                |
| ROM         | RACK OUTPUT MODULE               |
| CIM   CIM/2 | CASE INPUT MODULE                |
| DIS         | DIGITAL INPUT SWITCH (DUAL-TEMP) |
| RIB         | RELAY IN A BOX                   |
| S           | CASE/COIL TEMPERATURE MODULE     |
| 8IM         | UNIVERSAL INPUT MODULE           |
| MINIO       | INPUT/OUTPUT MODULE              |
| C#          | CONTACTOR                        |
| IR          | INTERFACE RELAY                  |
| RCC         | RCC CASE CONTROLLER              |
| —           | NEW EQUIPMENT                    |
| —           | EXISTING EQUIPMENT               |
| - - - -     | FACTORY INSTALLED EQUIPMENT      |
| - - -       | EQUIPMENT TO BE DEMOLISHED       |

NOTE: ALL WORK ON THIS SHEET IS TO BE COMPLETED BY WALMART APPROVED CONTRACTOR.

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B | R | R  
a r c h i t e c t u r e

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EXPIRATION DATE: 02/28/15

Walmart  
NAPLES, FL  
9885 COLLIER BLVD  
STORE NO: 5055  
JOB NUMBER: 170825055 LIQUOR BOX ADDITION

ISSUE BLOCK

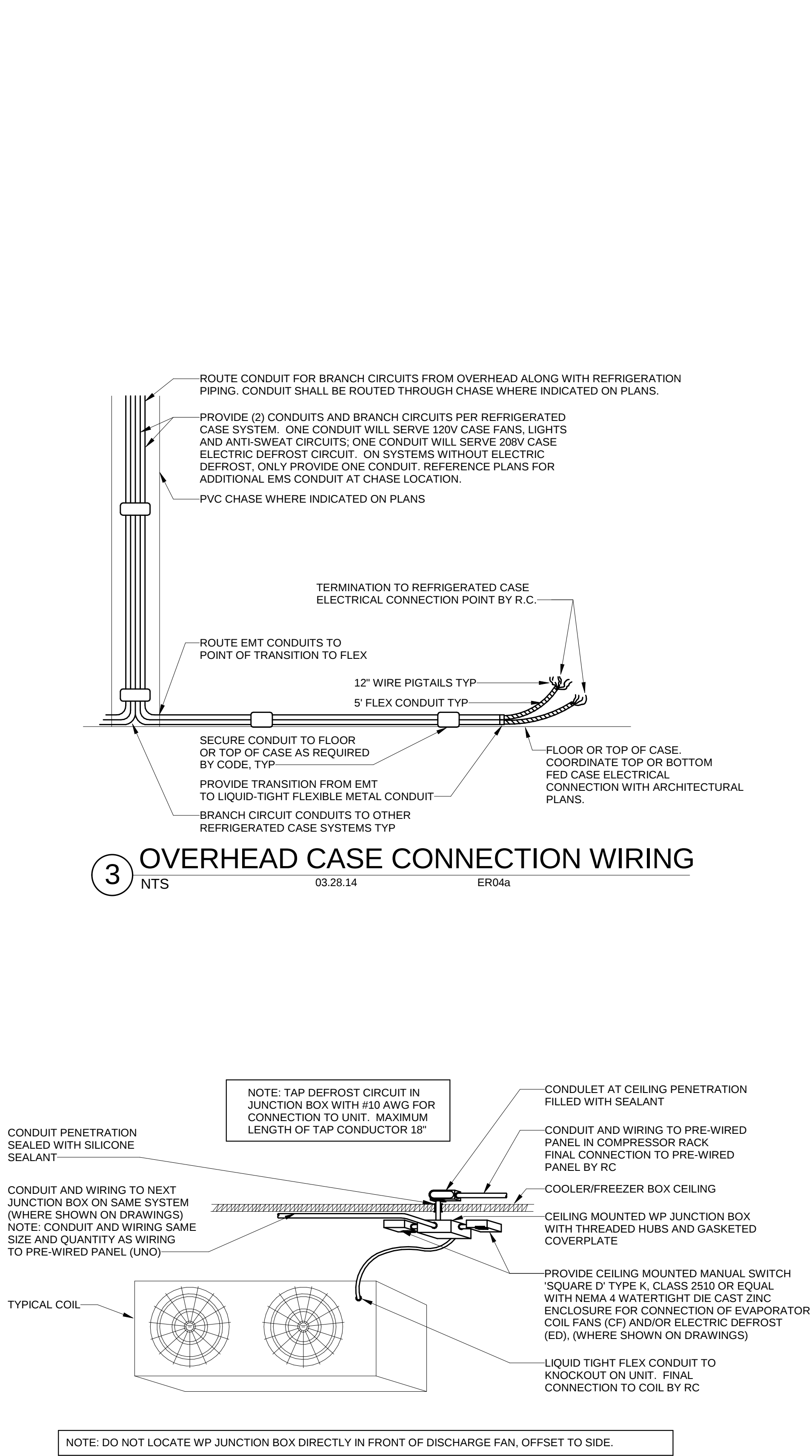
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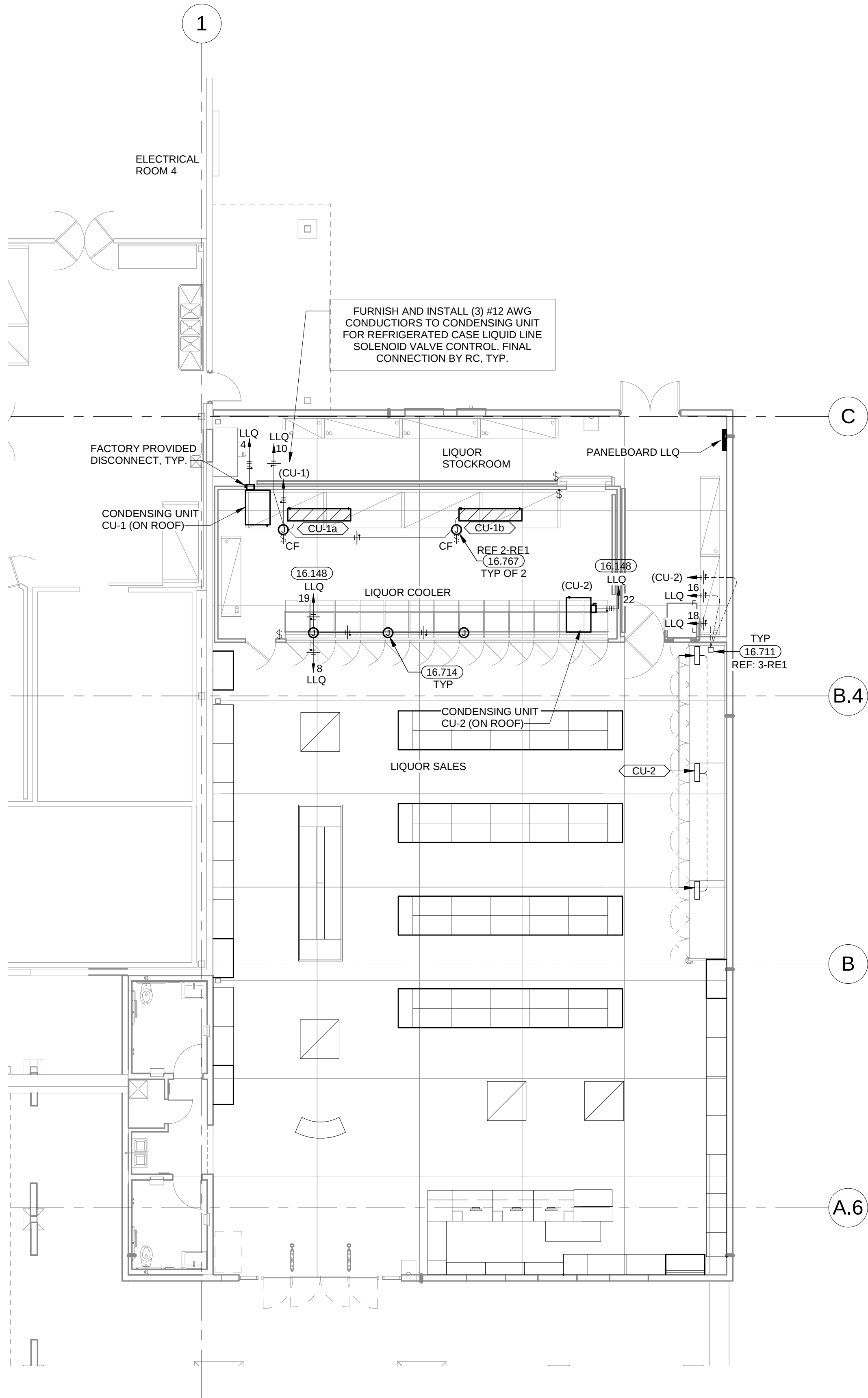
REFRIG  
ENERGY  
MANAGMENT  
PLAN

novar.

SHEET:  
REM1



2 EVAPORATOR COIL WIRING  
NTS 05.29.09 ER01



1 LIQUOR BOX REFRIGERATION ELECTRICAL PLAN  
1/8" = 1'-0"

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## GENERAL REFRIGERATION ELECTRICAL NOTES

02.04.14 EN06A

1. PROVIDE ALL CONDUIT AND WIRE AS INDICATED ON DRAWING. NEATLY BUNDLE CIRCUITS AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH BRANCH CIRCUIT DESIGNATION AND REFRIGERATION SYSTEM NUMBER FOR TERMINATION BY REFRIGERATION CONTRACTOR.
2. COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR PRIOR TO INSTALLATION.
3. KEEP PENETRATIONS THROUGH COOLER AND FREEZER BOXES TO A MINIMUM. ROUTE ALL CONDUITS SERVING FREEZERS AND COOLERS ON INSIDE OF BOX.
4. UNDERSLAB CIRCUITS SHALL NOT BE ROUTED UNDER WALK-IN FREEZERS AND SHALL BE ROUTED ABOVE REFRIGERANT LINES WHERE THEY CROSS.

## ELECTRICAL KEYNOTES

- |        |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.148 | ROUTE CIRCUIT THROUGH CONTACTOR. REFER TO POWER AND EMS ONE-LINE DIAGRAMS.                                                                                                                                                                                                                                                                                                         |
| 16.711 | POINT OF TRANSITION FROM EMT TO FLEX. PROVIDE CONDUIT AND BRANCH CIRCUITS FOR REFRIGERATED CASE FANS, LIGHTS, ANTI-SWEAT HEATERS, AND ELECTRICAL DEFROST (IF REQUIRED). TERMINATION TO REFRIGERATED CASE ELECTRICAL CONNECTION POINT BY R.C. REFER TO CASE CONNECTION WIRING DETAIL.                                                                                               |
| 16.714 | COOLER DOORS: PROVIDE WEATHERPROOF JUNCTION BOX FOR DOOR FRAME POWER. FINAL CONNECTION BY R.C.                                                                                                                                                                                                                                                                                     |
| 16.767 | VP CEILING MOUNTED JB AND MANUAL SWITCH(ES) (NEMA 4) BY E.C. FOR CONNECTION OF EVAPORATOR COIL FANS (CF) AND/OR ELECTRIC DEFROST (ED). MANUAL SWITCH(ES) (CF & ED) EQUAL TO :SQUARE D: TYPE K, CLASS 2510 OR CLASS 3110 FOR FAN AND/OR ELECTRIC DEFROST THAT EXCEED 30AMPS. E.C. SHALL PROVIDE CONDUIT AND WIRING BETWEEN JB, SWITCH(ES) AND COIL FINAL CONNECTIONS TO COIL BY RC. |

NOTE: REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR FINAL REFRIGERATION ELECTRICAL TERMINATIONS TO REFRIGERATION EQUIPMENT.

NOTE: CIRCUITS FOR REFRIGERATED CASES SERVED BY OVERHEAD REFRIGERATION PIPING ARE TO BE ROUTED DOWN FROM STRUCTURE AT THE SAME LOCATION AS THE REFRIGERATION PIPING AND EXTENDED TO THE FIRST CASE IN EACH SYSTEM BY THE E.C. WIRE AND CONDUIT FOR SLAVE WIRING BETWEEN CASES SHALL BE PROVIDED BY THE R.C.

CONDUIT AND WIRING TO CONDENSING UNIT SHALL BE THROUGH REFRIGERATION LINE PENETRATION. NO CONDUITS ROUTED ACROSS ROOF. TYP.

PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT SERVING REFRIGERATED CASES AND WALK-IN UNITS AS INDICATED ON PLANS