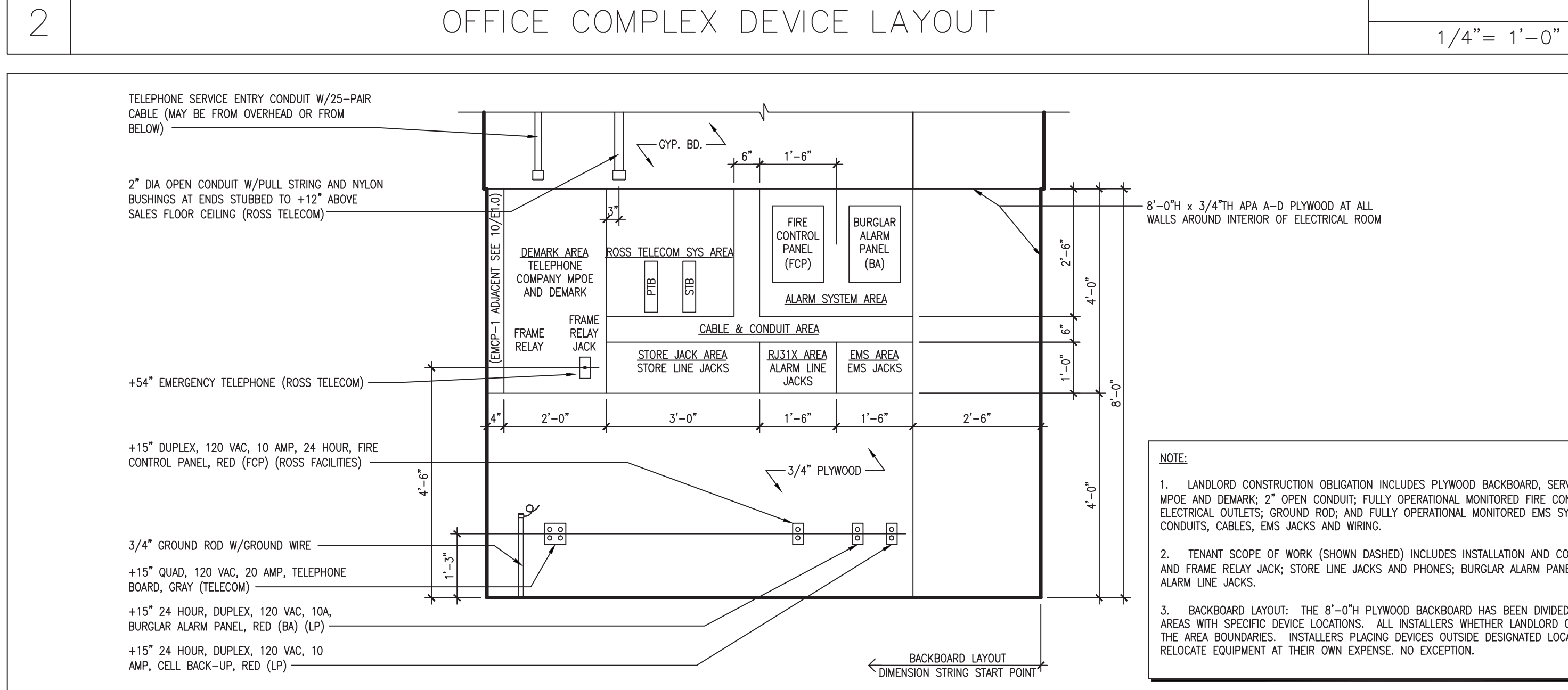
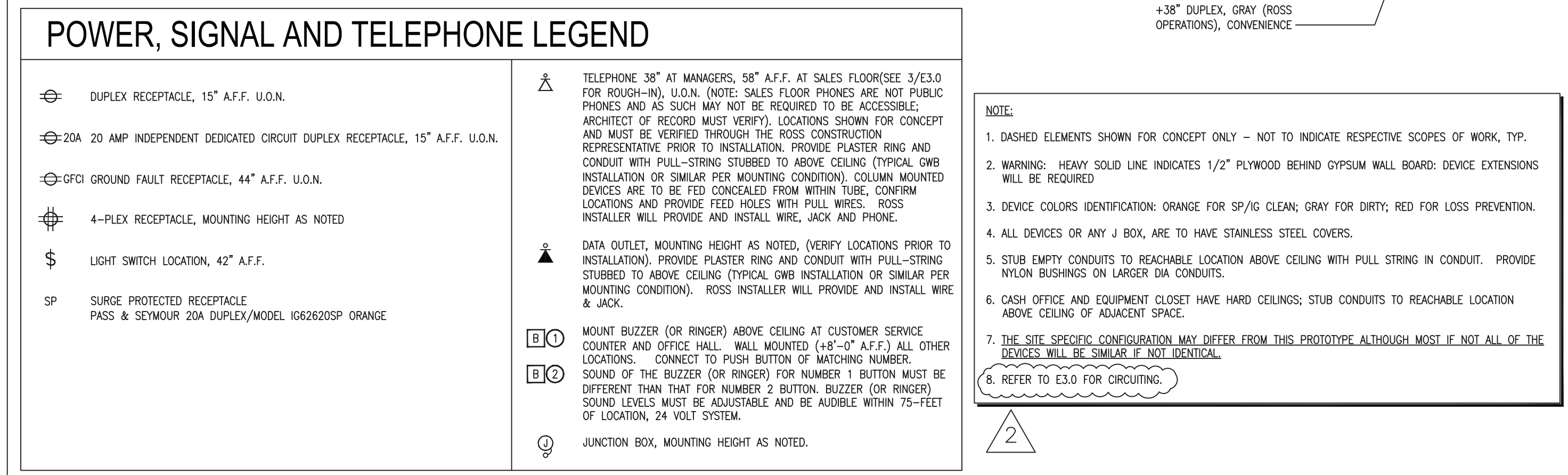
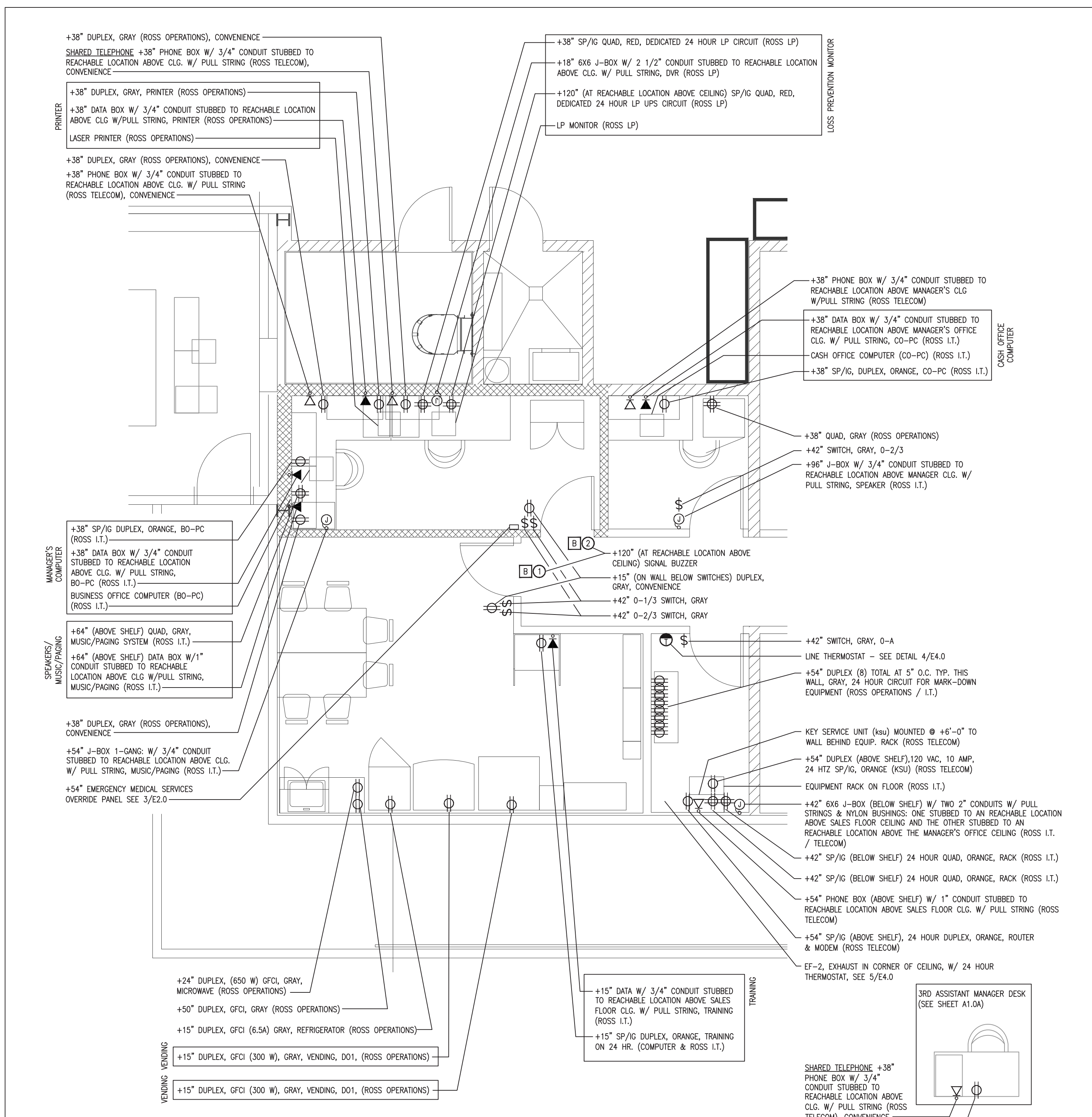
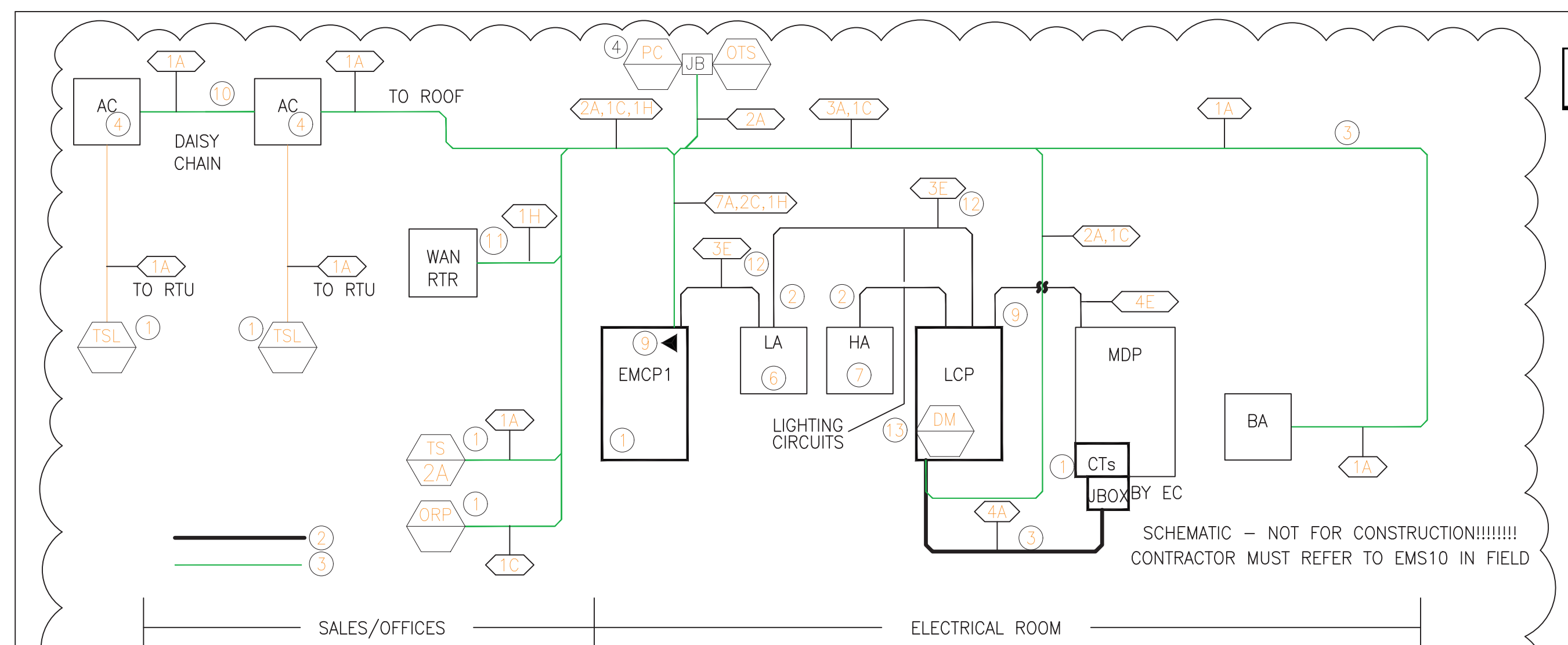


| REFERENCE PAGE | ITEM MUST APPEAR ON PLANS (YES/NO) | ELECTRICAL TYPICAL COMMENTS AND CHECKLIST  | SIGN-OFF REQUIRED FOR SUBMITTAL | SIGN-OFF REQUIRED FOR SUBMITTAL | SIGN-OFF REQUIRED FOR ACCEPTANCE |
|----------------|------------------------------------|--|---------------------------------|---------------------------------|----------------------------------|
|                |                                    | USE, REVIEW & COMPLETE THIS CHECKLIST FOR ALL ROSS PROJECTS. CONTACT ROSS WITH ANY QUESTIONS.  | Architect                       | Engineer                        | Reviewer                         |
| A2.0           | YES                                | <b>LIGHTING PLAN</b><br>SPECIFY ALL LIGHTING FIXTURES TO BE PROCURED FROM AMERICAN WHOLESALE LIGHTING, WITHOUT SUBSTITUTION.   |                                 | B.G. Jabon                      |                                  |
| A2.0           | YES                                | INDICATE THE VOLTAGE VALUE FOR ALL THE LIGHT FIXTURES IN THE LIGHTING FIXTURE LEGEND.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | PROCESSING ROOM LIGHTING FIXTURE AND MODEL NUMBERS: PER LIGHTING LEGEND.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | PROCESSING ROOM LIGHTING MUST BE A 50/50 SPLIT, THIS REQUIRING TWO SINGLE POLE SWITCHES AT THE INTERIOR ENTRY DOOR, WITH SWITCHED FIXTURES (SUBSCRIBED "A-E") ON EACH LIGHTING ROW FOR UNIFORM HALF LEVEL REDUCTION.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | DO NOT INDICATE ANY WALL SWITCHES IN THE FITTING ROOMS AND FOYER AREAS.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | SHOW TWO SINGLE POLE SWITCHES IN THE MANAGER'S OFFICE AND LOCKER ROOM LABEL ONE SINGLE POLE SWITCH WITH "0-1/3" AND LABEL THE OTHER SINGLE POLE SWITCH WITH "0-2/3". SEE MATRIX SCHEDULE ON SHEET E1.0 FOR MORE INFORMATION.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | CASH OFFICE: SHOW TWO SINGLE POLE SWITCHES IF THERE IS AN EMERGENCY/NIGHT LIGHT FIXTURE AND AN INDEPENDENT FIXTURE LABEL ONE SINGLE POLE SWITCH WITH "0-1/3" AND LABEL THE OTHER SINGLE POLE SWITCH WITH "0-2/3". SHOW ONE SINGLE POLE SWITCH IF THERE IS ONLY AN EMERGENCY/NIGHT LIGHT FIXTURE LABEL THE SINGLE POLE SWITCH WITH "0-2/3".   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | RESTROOMS: SHOW ONE SINGLE POLE SWITCH TO CONTROL THE OUTER LAMPS OF THE THREE LAMP FIXTURES; LABEL THE SINGLE POLE SWITCH "0-2/3".  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | FITTING ROOMS, FOYER AREAS, RESTROOMS, AND SALES FLOOR FIXTURES NEED TO HAVE SEPARATE DEDICATED CIRCUITS EACH FOR 2-LAMP BALLASTS AND 4-LAMP BALLASTS.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | THE CIRCUIT FEEDING EACH GROUP OF 2-LAMP "INNER" BALLASTS FOR 33X WILL BE CONTROLLED FROM THE EMS "FIRST LIGHTS" DO-7, THE CIRCUIT FEEDING EACH GROUP OF 4-LAMP "OUTER" BALLASTS FOR 66X WILL BE CONTROLLED FROM THE EMS "FULL LIGHTS" DO-2.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | CLEARLY IDENTIFY WHICH CIRCUITS FEED INNER OR OUTER LAMPS.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | OFFICES: LOCKER ROOM, AND HALL FIXTURES NEED TO HAVE SEPARATE DEDICATED CIRCUITS TO 2-LAMP BALLASTS AND 4-LAMP BALLASTS. THE CIRCUIT FEEDING EACH GROUP OF 2-LAMP "INNER" BALLASTS FOR 33X WILL BE CONTROLLED FROM THE EMS "FIRST LIGHTS" DO-1, THE CIRCUIT FEEDING EACH GROUP OF 4-LAMP "OUTER" BALLASTS FOR 66X WILL BE CONTROLLED FROM THE EMS "FULL LIGHTS" DO-2.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | CLEARLY IDENTIFY WHICH CIRCUITS FEED INNER OR OUTER LAMPS.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | JANITORIAL CLOSET AND OFFICE CLOSET: USE THE NIGHT LIGHT CIRCUIT TO FEED THE SINGLE LAMP SINGLE FIXTURE VIA SINGLE POLE SWITCH.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | TYPICALLY (5) 120VAC CIRCUITS ARE REQUIRED FOR SIGNAGE, VERIFY AND ADD CIRCUITS AS NECESSARY.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | ALL SIGNAGE CIRCUIT VOLTAGE MUST BE 20A 120VAC SINGLE PHASE. ALL SIGNAGE CIRCUITS MUST BE ISOLATED - NO SHARED COMMONS OR NEUTRALS, ALL SIGNAGE CIRCUITS OVER SOFT FROM PANEL MUST USE CAUSE OF WIRE REQUIRED BY NEC.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | HOMERUN 4 SEPARATE DEDICATED CIRCUITS TO LIGHTING FIXTURES FOR CONTROL OF 50/50 DUAL LEVEL VOLTAGE. USE TWO CIRCUITS TO FEED ALL THE VALANCE LIGHTING FIXTURES RUNNING LEFT OF THE FITTING FOYER TO THE STOREFRONT WINDOW, ONE CIRCUIT WILL CONTROL THE UPPER LAMPS AND THE OTHER CIRCUIT WILL CONTROL THE LOWER LAMPS OF THE VALANCE LIGHTING FIXTURE. SIMILARLY, USE TWO CIRCUITS TO FEED ALL THE VALANCE LIGHTING FIXTURES RUNNING RIGHT OF THE FITTING FOYER TO THE STOREFRONT WINDOW, ONE CIRCUIT WILL CONTROL THE LOWER LAMPS AND THE OTHER CIRCUIT WILL CONTROL THE UPPER LAMPS OF THE VALANCE LIGHTING FIXTURE. REFER TO SHEET E-1.  |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | VERIFY THAT THE WIRE SIZE FOR ALL LIGHTING CONTROLLED VIA EMS DOES NOT EXCEED #10 AWG.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | FEED ALL EMERGENCY FIXTURES FROM SEPARATE CIRCUIT, NOT CONTROLLED VIA LIGHTING CONTROL PANEL (LCP).  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | VERIFY ALL CIRCUITS SHOWN ON THE LIGHTING PLAN MATCHES WHAT IS INDICATED ON THE PANEL SCHEDULES.   |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | <b>POWER PLAN</b>  |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | LABEL ALL A/C UNITS PER THE ROSS PROTOTYPE SHEET M1.0.   |                                 | B.G. Jabon                      |                                  |
| M1.0           | YES                                | INDICATE BOTH SUPPLY AND RETURN SMOKE DETECTORS ON ALL A/C UNITS. ADD NOTE SMOKE DETECTORS WILL BE FACTORY PROVIDED AND INSTALLED ON APPLICABLE LENNOX UNITS. FIELD PROVIDED BY MECHANICAL CONTRACTOR FOR SMALLER UNITS, AND WIRE BY FIRE ALARM OR ELECTRICAL CONTRACTOR, TESTING AND DEMONSTRATION WILL BE THE RESPONSIBILITY OF THE FIRE ALARM OR MECHANICAL CONTRACTOR, INCLUDING FIRE MARSHAL ACCEPTANCE TESTS.  |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | INDICATE GFCI OUTLET CIRCUITING SEPARATE FROM UNIT POWER ON ALL A/C UNITS.   |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | SHOW LOCATION OF EXTERIOR SENSOR ROOF/RAIN ASSEMBLY ON ROOF ABOVE ELECTRICAL ROOM. REFER TO DETAIL 4 OF SHEET E2.0.  |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | IF POWER EXHAUST IS NECESSARY, INDICATE AN EXHAUST FAN IN ELECTRICAL ROOM TO RUN VIA LINE VOLTAGE THERMOSTAT TO BE PROVIDED AND INSTALLED BY MECHANICAL, WIRED BY ELECTRICAL.  |                                 | B.G. Jabon                      |                                  |
| NO             |                                    | DO NOT SHOW ANY TEMPERATURE SENSORS IN THE OFFICE AREAS, WOMEN'S FITTING ROOMS, PROCESSING ROOM, AND SALES FLOOR. ADD NOTE TO PLAN TEMPERATURE SENSORS NOT SHOWN FOR MECHANICAL OR ELECTRICAL PLANS. SEE EMS PLAN FOR EXACT LOCATION. CONTACT C&C BUILDING AUTOMATION (850) 292-7450.  |                                 | B.G. Jabon                      |                                  |
| NO             |                                    | CLEARLY INDICATE WHICH CIRCUITS FEED THE WATER COOLER/ELECTRIC DRINKING FOUNTAIN, EXHAUST FANS, AND ROOF TOP UNITS.  |                                 | B.G. Jabon                      |                                  |
| E2.0           | YES                                | SPECIFY A 2-GANG PLASTER RING VERTICAL FOR THE EMS OVERHEAD PANEL IN THE MANAGER'S OFFICE AT 4'-6" AFF.  |                                 | B.G. Jabon                      |                                  |
| E3.0           | YES                                | INDICATE JEWELRY CASE LIGHTING ON THE SAME CIRCUIT AS THE FRAGRANCE CASE TO BE CONTROLLED BY EMS DO-2.   |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | INDICATE AN ELECTRICAL ROOM DETAIL SHOWING ALL PANELS IN THEIR RESPECTIVE LOCATIONS.   |                                 | B.G. Jabon                      |                                  |
| E3.0           | YES                                | INDICATE TELEPHONE DATA OUTLET NEXT TO EMCP1 IN THE ELECTRICAL ROOM.   |                                 | B.G. Jabon                      |                                  |
| E2.0           | YES                                | <b>ONE-LINE DIAGRAM AND PANEL SCHEDULES</b><br>SINCE THE CIRCUITS FEEDING THE FITTING ROOMS, FOYER AREAS, RESTROOMS AND SALES FLOOR, EACH GROUP OF 2-LAMP "INNER" BALLASTS ARE CONTROLLED FROM THE SCHEDULE OUTPUT DO-7, AND THE 4-LAMP "OUTER" BALLASTS ARE CONTROLLED FROM THE SCHEDULE OUTPUT DO-2 AT DIFFERENT TIMES OF THE DAY, IT IS NECESSARY TO BALANCE THE CIRCUITS ACROSS PHASES A, B & C EVENLY WHEN EITHER GROUP IS ON OR OFF.<br>CLEARLY IDENTIFY WHICH CIRCUITS FEED INNER OR OUTER LAMPS AND ENSURE CIRCUITS AND PANELS ARE BALANCED.   |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | SINCE THE CIRCUITS FEEDING EACH GROUP OF 2-LAMP "INNER" BALLASTS ARE CONTROLLED FROM THE SCHEDULE OUTPUT DO-1, AND THE 4-LAMP "OUTER" BALLASTS ARE CONTROLLED FROM THE SCHEDULE OUTPUT DO-1 AT DIFFERENT TIMES OF THE DAY IN THE OFFICES, LOCKER ROOM, AND OFFICE HALLWAY, IT IS NECESSARY TO BALANCE THE CIRCUITS ACROSS PHASES A, B & C EVENLY WHEN EITHER GROUP IS ON OR OFF.<br>CLEARLY IDENTIFY WHICH CIRCUITS FEED INNER OR OUTER LAMPS AND ENSURE CIRCUITS AND PANELS ARE BALANCED.   |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | SHOW PANEL LCP-1 (3 SINGLE POLE 15A 120V CIRCUIT BREAKERS ACROSS PHASES A, B, & C) AND PANEL EMCP-1 IN THE SINGLE LINE DIAGRAM AND PANEL SCHEDULES.  |                                 | B.G. Jabon                      |                                  |
| E2.0           | YES                                | A TENANT DEMAND PULSE METER (DM) IS REQUIRED, SEPARATE AND ADDITIONAL TO THE UTILITY METER. INSTEAD OF THE PULSE METER OUTPUT OPTION ON THE UTILITY METER THIS DEVICE IS A COMBINED PULSE METER AND THREE PHASE POWER MONITOR FED FROM THE 3 SINGLE POLE 15A 480V CIRCUIT FROM THE MSP PANEL. CURRENT TRANSFORMERS CREATING THE SIGNAL INPUT MUST LOCATE AROUND INCOMING CONDUCTORS (PROVIDE CT CAN IF NECESSARY). ADD NOTE TO PLAN INDICATING THAT THE CURRENT TRANSFORMERS CONDUCTORS MUST BE SHORTED INSIDE PANEL LCP-1 UNTIL DEMAND METER TERMINATION IS COMPLETED. BUSSED FEEDERS CANNOT BE METERED.<br>LOW VOLTAGE SIGNAL CONNECTIONS FROM THE CURRENT TRANSFORMERS TO LCP-1 MUST BE IN CONDUIT.<br>THE TENANT DEMAND METER IS LOCATED INSIDE PANEL LCP-1. |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | CLEARLY IDENTIFY IN THE SINGLE LINE DIAGRAM IF THE MAIN DISTRIBUTION PANEL WILL BE BUSSED OR CABLE FED. CURRENT TRANSFORMERS FOR BUSSED FEEDERS MUST BE FACTORY INSTALLED BY C&C MANUFACTURER. CURRENT TRANSFORMERS FOR CABLE FEEDERS WILL BE INSTALLED BY THE ELECTRICIAN.  |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | ALL LIGHTING CIRCUITS CONTROLLED VIA EMS SHALL NOT EXCEED 20A CIRCUIT BREAKERS.  |                                 | B.G. Jabon                      |                                  |
| E1.0           | YES                                | CLEARLY LABEL ALL CIRCUITS WHICH FEED THE INNER (1/3) LAMPS AND THE OUTER (2/3) LAMPS.   |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | VERIFY AND COORDINATE THE VOLTAGE REQUIREMENTS FOR ALL THE A/C UNITS WITH THE MECHANICAL ENGINEER.   |                                 | B.G. Jabon                      |                                  |
| YES            |                                    | VERIFY THE WATER HEATER SIZE. IF THE WATER HEATER REQUIRES A CIRCUIT BREAKER SIZE GREATER THAN 30A PROVIDE AN AUXILIARY CONTROL INTERFACE FOR CONTROL THROUGH A 30A CONTRACTOR VAV ENERGY MANAGEMENT SYSTEM.   |                                 | B.G. Jabon                      |                                  |



5 ELECTRICAL ROOM TELECOM/SIGNAL BACKBOARD LAYOUT (REQUIRED)



**DETAIL NOTES**

1. DEVICE PROVIDED BY CCBC, INSTALLED, PIPED & WIRED BY ELEC. DEVICE FINAL TERMINATION BY CCBC TECHNICIAN.
2. LINE VOLTAGE BY ELEC. TYPICAL.
3. LOW VOLTAGE (24VAC) BY ELEC. TYPICAL.
4. REMOTE MOUNTED DEVICES - SEE FLOOR PLANS FOR LOCATIONS.
5. SALES OR OFFICE AREA DEVICES - SEE FLOORPLANS FOR LOCATIONS.
6. 120VAC LIGHTING & POWER PANEL - TYPICAL.
7. 277VAC LIGHTING & POWER PANEL - TYPICAL.
8. CONDUIT TO CAN PENETRATIONS MUST BE AS SHOWN.
9. NOT USED.
10. RUN WIRING TO ALL AC UNITS PER EMS FLOORPLANS.
11. PULL THE CAT 5 CABLE (SHIPPED IN A SEPARATE BOX) TO THE EQUIPMENT CLOSET LEAVE TO IDLE IN THE EQUIPMENT CLOSET FOR FUTURE USE.
12. SE - PROVIDE (3) #12 60 PANEL POWER, (1) #12 NEUTRAL, (1) #12 GROUND
13. TERMINATE CTS W/RESISTORS ON CORRECT TERMINALS (A XI, B XI, C XI).
14. REFER TO EM-12 FOR FURTHER INFORMATION.

WIRING DESIGNATIONS: ALL WIRE MUST BE STRANDED COPPER NO SPLICING ALLOWED; ALL RUNS MUST BE CONTINUOUS; NO SUBSTITUTIONS ALLOWED

| TAG | DESCRIPTION               | PART NO. | AVG | COND. | TW | PR | SHIELD | NOTES                         |
|-----|---------------------------|----------|-----|-------|----|----|--------|-------------------------------|
| A   | 2 x #18GA. TSP CLP0550F   | 18 GA.   | 2   | Y     | Y  |    |        | COMMUNICATIONS BUS            |
| C   | 10 x #18GA. CLP0448       | 18 GA.   | 10  | N     | N  |    |        | DRP TO EMCP / EPILDAD TO EMCP |
| D   | 4 x #18GA. TSP CLP0552F   | 18 GA.   | 4   | Y     | Y  |    |        | TEMP. SENSOR W/ OVERRIDE      |
| E   | 1 x #12GA.                | 12 GA.   | 1   | N     | N  |    |        | PANEL PDWER                   |
| F   | 1 x #14GA.                | 14 GA.   | 1   | N     | N  |    |        | CTS Stranded Wire             |
| G   | 4 x 24GA. TP              | 24 GA.   | 4   | Y     | N  |    |        | WAN BUS (MDDM)                |
| H   | CAT 5 - 4 Pairs CMPT202LS | 24 GA.   | 8   | Y     | N  |    |        | EMCP TO ROUTER                |

**ROSS Stores Inc. Energy Management System General Requirements**

CCBC appreciates your business and looks forward to completing a successful Ross project with your company. Please be aware that much pre-planning and coordination has been done, prior to your receiving these documents. ROSS and CCBC have worked together to establish a process, which when followed correctly will result in a quality installation incorporating ROSS' standard lighting and control requirements. We ask for your cooperation and assistance in building and commissioning this store.

All the energy management system (EMS) will be purchased from & provided by: C&C Building Automation Co., Inc. "CCBC" License No. 804236  
290 Swift Avenue Suite 22  
South San Francisco, CA 94080-6221  
CCBC Phone: (888) 446-1295 Fax: (650) 292-7460  
Project Contact: Ross Project Manager (888) 446-1295 Email: RDSS@ccbac.com  
Typically the General Contractor or the Electrical Contractor will issue a Purchase Order to CCBC for the system. The PO must be received MINIMUM (3) MONTHS PRIOR TO CONSTRUCTION TURNKEY.

**C&C Building Automation Co. shall provide the following equipment, pre-fabricated for the project:**

1. Main control panel "EMCP1" and related hardware.
2. Lighting control panel "LCP" and related hardware.
3. All low voltage cables, relays, temperature sensors, photocell and overrides.
4. Complete set of CAD drawings indicating all wire runs, lighting control interfaces, and EMS equipment locations.
5. NITE: EMS plans supersede Electrical or Mechanical plans in the event of any sensor location conflict.
6. Demand Pulse Meter with current transformers, sized to suit the MDDM incoming feeders.
7. Important note: 4.5 amp module CTS are provided. EC must plan feeders accordingly or schedule an exchange with CCBC.
8. Wall mount temperature sensor.

**C&C Building Automation Co. shall perform On Site EMS Terminations and Testing, including:**

1. All final low voltage (24vac) terminations to the EMS devices, panels, sensors and override panel MUST be performed by the CCBC technician.
2. Scheduling is critical. CCBC MUST have minimum 10 days notice of completed EMS installation prior to date required on-site. Failure to advise with notice will delay our termination or require additional fees.
3. CCBC is required to assess and report all control and circuiting related issues to Ross Stores Inc.
4. Complete set of CAD drawings indicating all wire runs, lighting control interfaces, and EMS equipment locations.
5. Due to Ross' schedules, CCBC site visit is a one-time, 12 hour duration task. This requires careful coordination and teamwork with the EC and CCBC.

**C&C Building Automation Co. DOES NOT provide the following:**

1. Temporary operating controls, thermostats or "jumping" to run units prior to store acceptance testing. Note: Lennox unit will run on Return Air sensor from factory do not disconnect sensor for this mode!
2. Call Lennox National Accounts for more information on temporary operation.
3. Fire alarm terminations, testing, troubleshooting or participation in Fire Marshall or Certificate of Occupancy testing.
4. Any necessary licenses and/or permits for or related to the EMS.

**Contractor Bids & Scope - EMS System Summary**

The Contractor bids shall include the following EMS related tasks, per Ross specification

**General Contractor**

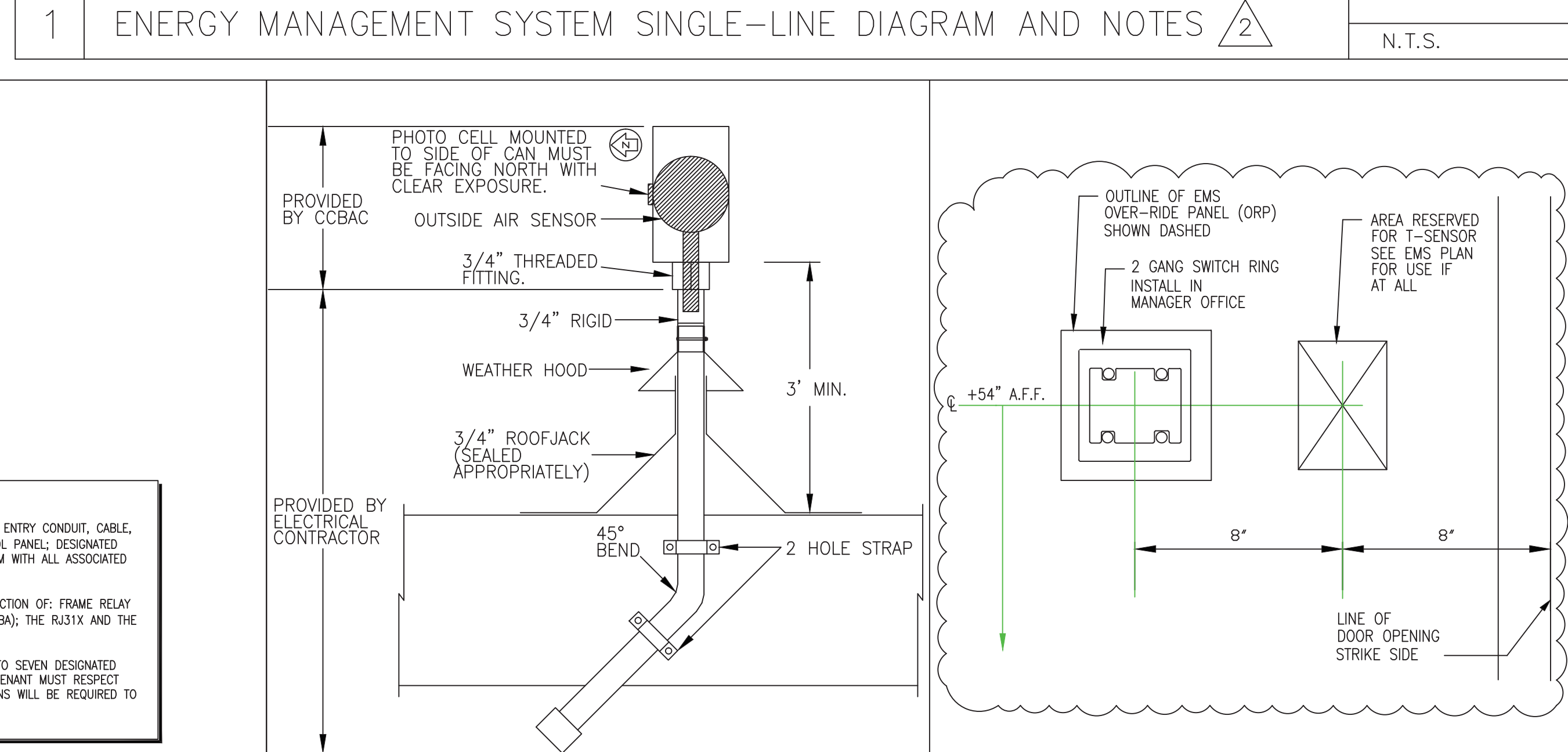
1. Provide and install Data outlet next to EMS panel

**Electrical Contractor**

1. Provide, install and secure all necessary conduit per EMS drawings and specifications.
2. Obtain from CCBC and install cable necessary to the EMS as shown on the EMS blueprints.
3. Mount and junction all EMS control enclosures, lighting control panel and roof sensor on assembly.
4. All line voltage terminations to the lighting control panel (LCP) contractors. CALL CCBC if prints do not match site!
5. Rough-in and wiring for temperature sensors and override panel per EMS floorplan locations.
6. Provide control cables per EMS details.
7. Connect field installed smoke detectors (where required).
8. Install, wire and terminate high voltage connections for tenant Demand Pulse Meter and current transformers.
9. Fire alarm terminations of unit mounted smoke detectors and coordination during Fire Marshall testing.
10. Fox back checklist to CCBC minimum 10 days prior to GC turnover date.
11. Coordinate with CCBC to schedule site visits with adequate notice to meet schedule.
12. Correct all punchlist items found during site assessment.
13. Provide any necessary licenses and/or permits for or related to the EMS.

**Mechanical Contractor**

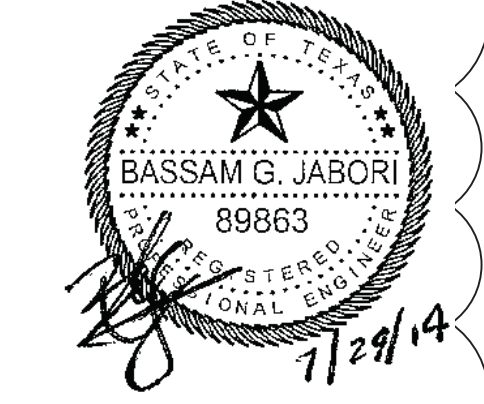
1. Provide Lennox Logic HVAC units with factory provided Prodigy M2 w/ Bacnet controls option.
2. Mount field installed smoke detectors (where necessary).
3. Perform Start-up and Burn-Off of new HVAC units prior to EDC check.
4. Coordinate with Lennox to provide schedule, and perform EDC check.
5. All unit start-up and testing for certificate of occupancy testing. Call Lennox national accounts for instructions. Note: RTU will run on return air from factory.
6. For any Non-Lennox units provide conventional thermostat interfaces (R,V,W,E,ETC) & controls including transformer.
7. For any existing units Recondition and test units as specified as mechanical plans.



4 SENSOR ROOF CAN 3 ORP MOUNTING

**WINDLE + VOLPE ARCHITECTS**  
7650 WINDYVALE, SUITE 200 HOUSTON, TEXAS 77063  
PH 713-251-1970

**CAI ENGINEERS**  
10700 WINDYVALE AVE., SUITE 145 HOUSTON, TX 77042  
TEL: (713) 788-1838 FAX: (713) 788-1009



**ROSS BUILD-OUT #1663 CROSSROADS MALL GREENVILLE, TEXAS GREENVILLE PROPERTIES LTD. GREENVILLE, TEXAS**

DATE: 05/02/2014  
PROJECT NO.: 06-12-02  
DRAWN BY: LLL

**EMS RISER DIAGRAM, NOTES & DETAILS**

**E2.0**