



project no. | KRKSD003

owner



project info

CONCORD NORTH CAROLINA

issue dates

submission:	Date
OWNER/ALL REVIEW	11/01/2018
BID SET	11/01/2018
PERMIT SET	11/01/2018

revisions:

#	Description	Date
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seal



NOV 02 2018

sheet info

ELECTRICAL POWER PLAN E200

keyed notes (cont.)

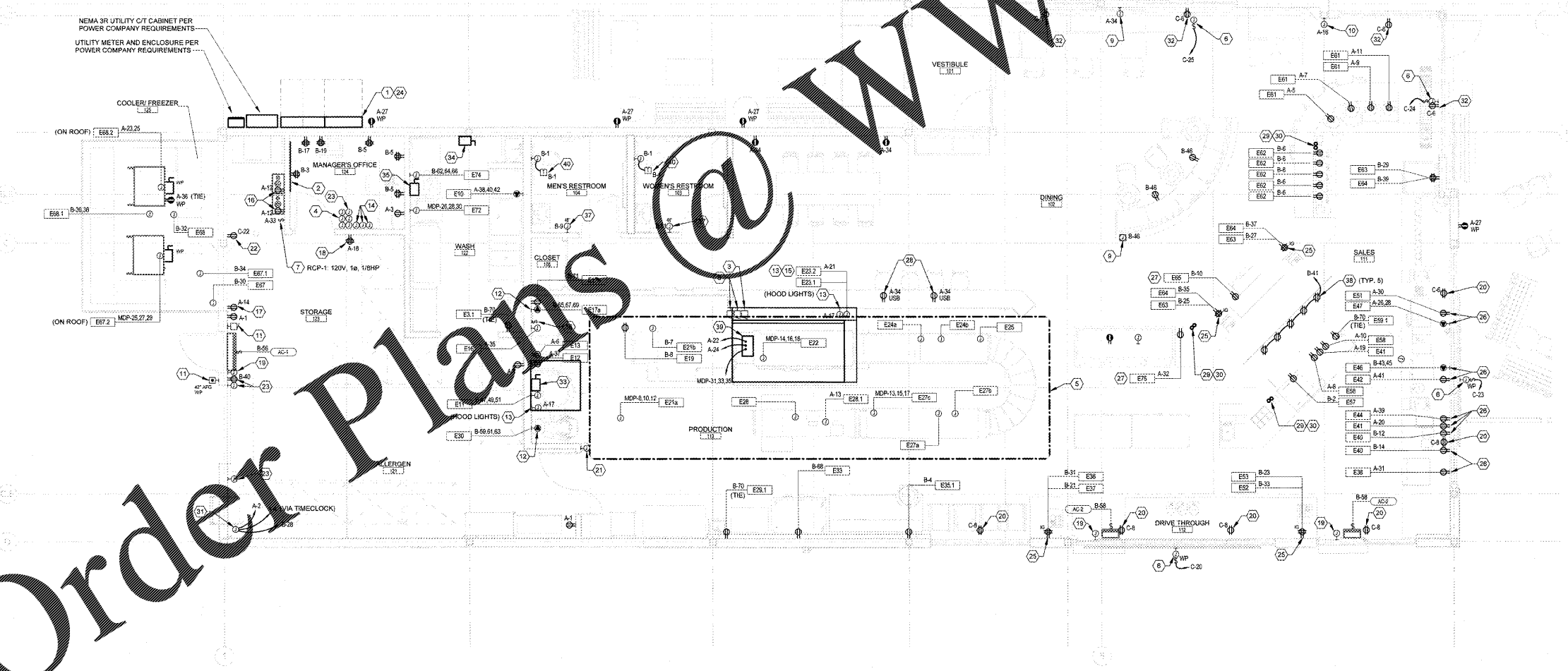
- 30 STUB UP CONDUITS 6" A.F.F. STUB UP CONDUITS SHALL BE A MINIMUM SIZE OF 2". RECEPTACLE AND COMPUTER OUTLETS TO BE CONNECTED WITH FLEXIBLE CONDUIT BY ELECTRICAL CONTRACTOR WHEN CASEWORK IS INSTALLED. RECEPTACLES SHOWN SHALL BE PROVIDED WITH CABINET OF SERVING COUNTER. E.C. SHALL PROVIDE AND INSTALL DATA OUTLET AS SHOWN. E.C. TO COORDINATE LOCATION OF RECEPTACLES AND DATA OUTLETS WITH MILLWORK CONTRACTOR AND OWNER. E.C. SHALL MAKE FINAL CONNECTIONS. G.C. SHALL DRILL HOLES IN BOTTOM AND TOP OF COUNTER (REMOVE ALL BURRS AND PAINT THE PENETRATION) FOR CONDUIT STUB-UP AND CORD EXTENSIONS FROM APPLIANCE TO RECEPTACLE. SEE DETAIL 3E700.
- 31 ELECTRICAL CONTRACTOR SHALL PROVIDE (3) 1" CONDUITS FROM JUNCTION BOX TO DRIVE-THROUGH MENU BOARD LOCATION. (1) CONDUIT FOR MENU BOARD SPEAKER. (1) CONDUIT FOR ELECTRICAL POWER IN MENU BOARD. AND (1) SPARE CONDUIT TO MENU BOARD FOR FUTURE USE. E.C. SHALL VERIFY ELECTRICAL REQUIREMENTS FOR MENU BOARD AND MAKE FINAL CONNECTIONS. MENU BOARD TO BE CONNECTED TO LIGHTING TIME CLOCK. ALL CONDUITS SHALL BE CONCEALED WITHIN WALL FRAMING.
- 32 SHOW WINDOW RECEPTACLE TO BE MOUNTED IN WALL ABOVE WINDOW PER NEC (NO MORE THAN 3" ABOVE WINDOW).
- 33 100A-3P NON-FUSED NEMA 3R DISCONNECT SWITCH FOR ELECTRIC KETTLE (E11). COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN TO ACHIEVE REQUIRED NEC CLEARANCES. PROVIDE LABEL INDICATING "ELECTRIC KETTLE".
- 34 60A-3P NON-FUSED NEMA 3R DISCONNECT SWITCH FOR DISHWASHER. COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN TO ACHIEVE REQUIRED NEC CLEARANCES. PROVIDE LABEL INDICATING "DISHWASHER".
- 35 30A-3P NON-FUSED NEMA 3R DISCONNECT SWITCH FOR DISPOSER. COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN TO ACHIEVE REQUIRED NEC CLEARANCES. PROVIDE LABEL INDICATING "DISPOSER".
- 36 TOGGLE DISCONNECT SWITCH FOR RECIRCULATION LOOP CHILLER. COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN TO ACHIEVE REQUIRED NEC CLEARANCES. PROVIDE LABEL INDICATING "RECIRCULATION LOOP CHILLER".
- 37 HAND DRYER: 120V, 14, 12 2A. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
- 38 ELECTRICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED DUPLEX RECEPTACLES AND DATA JACKS FOR ALL FINAL MENU BOARDS. COORDINATE MOUNTING LOCATIONS WITH ARCHITECTURAL SHEETS. DATA CABLE IS RUN INTO OFFICE FOR MENU BOARD SYSTEM CONTROLLER. COORDINATE FINAL REQUIREMENTS WITH DIGITAL SYSTEM PROVIDER PRIOR TO ROUGH-IN.
- 39 KITCHEN HOOD CONTROL PANEL BY K.E.C. CONTAINS STARTERS FOR KITCHEN HOOD EXHAUST AND TAKE UP AIR FROM REFRIGERATOR TO CAPTURE AS PLANS FOR EXHAUSTION. UPON EXHAUSTION OF FRESH SUPPLY TAKE UP AIR FROM DOWN AND UP TAKE UP AIR FROM REFRIGERATOR PRIOR TO ROUGH-IN.

general notes

- A. REFER TO KITCHEN EQUIPMENT CONSULTANT DRAWINGS FOR EXACT ROUGH-IN LOCATIONS, MOUNTING HEIGHTS AND ADDITIONAL REQUIREMENTS FOR ALL EQUIPMENT TAGS SHOWN ON THIS SHEET INCLUDING KITCHEN EQUIPMENT CONNECTIONS, KIDS EQUIPMENT AND POS OUTLET LOCATIONS.
- B. REFER TO KITCHEN EQUIPMENT ELECTRICAL SCHEDULE ON SHEET E600 AND COMMERCIAL KITCHEN EQUIPMENT SCHEDULE ON FOOD SERVICE DRAWINGS FOR EQUIPMENT CONNECTION INFORMATION FOR ALL EQUIPMENT WITH TAGS SHOWN ON THIS SHEET.
- C. REFER TO LOW VOLTAGE SYSTEMS SHEET E400 FOR JUNCTION BOXES, CABLING, AND CONDUIT REQUIREMENTS.
- D. ALL EXPOSED POWER AND COMMUNICATION DATA CONDUIT SHALL BE ROUTED PARALLEL TO BUILDING LINES. INSTALL ALL CONDUITS PLUMB AND LEVEL WHERE EXPOSED TO VIEW.
- E. ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 10 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN NON-DWELLING BATHROOMS, KITCHENS, PREP AREAS, AND OTHER SERVICE SINKS AND SINKS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL PER NEC ARTICLE 210.8(B). GFCI DEVICES SHALL BE READILY ACCESSIBLE OR PROVIDE GFCI TYPE DEVICES WHERE NECESSARY. GFCI PROTECTION MAY BE ACHIEVED BY A BLANK FACE GFCI DEVICE LOCATED IN A READILY ACCESSIBLE LOCATION NEAR RECEPTACLE BEING PROTECTED. FOR DOWNSTREAM WIRING DEVICES LOCATED ON THE SAME BRANCH CIRCUIT, GFCI PROTECTION MAY BE ACHIEVED BY A SINGLE UPSTREAM GFCI DEVICE IF ALL PROTECTED DEVICES ARE RATED PER CODE.
- F. CONTRACTOR TO WIRE SHUNT TRIP DEVICES TO THE KITCHEN EXHAUST HOOD ELECTRICAL EQUIPMENT TO THE KITCHEN HOOD IN THE EVENT OF A HOOD ALARM CONDITION. ALL HOOD MANUFACTURER DRAWINGS AND WIRING SCHEMATICS FOR ALL HOODS SHALL BE PROVIDED TO THE CONTRACTOR.

keyed notes

- 1 UNITIZED SWITCHGEAR AND CONTROLS. SEE SHEET E600 FOR PANEL SCHEDULES AND RISER DIAGRAM.
- 2 TELEPHONE TERMINAL BACKBOARD (T8B). PROVIDE FIREPROOFED 1/2" PLYWOOD BACKBOARD WITH #6 CU GROUND PER TELEPHONE COMPANY REQUIREMENTS. SAND & PAINT BOTH SIDES. E.C. SHALL PROVIDE SMALLEST PHONE BOARD POSSIBLE. MINIMUM MOUNTING HEIGHT OF 2'-6" TO BOTTOM OF T8B IS PREFERRED. E.C. SHALL COORDINATE WITH TELEPHONE COMPANY AND LOCAL AUTHORITY HAVING JURISDICTION FOR MOUNTING HEIGHT RESTRICTIONS. MOUNT QUAD RECEPTACLE TO T8B NEAR BOTTOM EDGE.
- 3 E.C. SHALL PROVIDE GRANITE #50828 HOOD ANNUNCIATOR OR EQUAL. E.C. SHALL CONNECT TO MICRO SWITCH IN HOOD CONTROLS. SEE HOOD SHEETS FOR ADDITIONAL INFORMATION.
- 4 E.C. SHALL PROVIDE 1-BOXES AND EMPTY CONDUIT (WITH PULL STRING) FOR LOW-VOLTAGE DEVICES.
- 5 SEE SHEET E700 FOR EQUIPMENT DROPDOWN LOCATIONS TO 270-LINE EQUIPMENT. E.C. SHALL VERIFY REQUIREMENTS AND FINAL LOCATIONS PER EQUIPMENT SCHEDULES AND LIGHT FIXTURE LOCATIONS. E.C. SHALL MAKE FINAL CONNECTIONS TO CONTROL PANEL. SEE DETAILS 1E800 & 2E800.
- 6 PROVIDE JUNCTION BOXES AND LOCKABLE DISCONNECT SWITCH FOR POWER CONNECTION TO SIGNAGE IN CONCEALED, ACCESSIBLE LOCATION (WEATHERPROOF JUNCTION BOXES) AND DISCONNECT SWITCHES FOR EXTERIOR SIGNAGE. VERIFY ALL REQUIREMENTS AND EXACT LOCATION WITH SIGNAGE PACKAGE AND INSTALLER PRIOR TO ROUGH-IN.
- 7 ELECTRICAL CONTRACTOR SHALL PROVIDE HORSEPOWER RATED TOGGLE DISCONNECT SWITCH FOR RE-CIRCULATION PUMP MOUNTED ABOVE TIMER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- 8 AUDIOVISUAL DEVICES FURNISHED BY KRISPY KREME/HVAC SUPPLIER & INSTALLED BY E.C. IN APPROVED LOCATION TO SIGNAL DUCT DETECTOR ACTIVATION. MOUNT AT 4" AFF. M.C. SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODE REQUIREMENTS.
- 9 JUNCTION BOX SUPPLYING POWER TO THE BAR SEATING RECEPTACLES. COORDINATE WITH OWNER, CABINETRY VENDOR AND G.C. FOR FINAL ROUTING. ALERT ENGINEER OF RECORD AND G.C. IF ANY CONFLICTS ARISE.
- 10 E.C. SHALL PROVIDE FLUSH MOUNTED JUNCTION BOX FOR BUG LIGHT AT 84" A.F.F. TO CENTER OF BOX. BUG LIGHT PROVIDED AND INSTALLED BY G.C. PROVIDE GLEBE 200017 FLYING VENUS WITH ANTIQUE BRASS FINISH. NO SUBSTITUTIONS WITHOUT KRISPY KREME APPROVAL.
- 11 E.C. SHALL PROVIDE EDWARDS MODEL #55-805 DOORBELL WITH #852 PUSH BUTTON AND #586 TRANSFORMER OR EQUAL. TIE INTO ADJACENT 120V BRANCH CIRCUIT SERVING GENERAL PURPOSE RECEPTACLES IN STORAGE AREA.
- 12 E.C. SHALL PROVIDE 5.0. CORD AND STRAIN RELIEF FOR ELECTRICAL DROP WIRING TO MIXERS. E.C. SHALL PROVIDE ALL TWIST-LOCK MALE/FEMALE PLUGS AND CORDS. E.C. SHALL MAKE FINAL CONNECTIONS. SEE DETAIL 2E700, AND ELECTRICAL SCHEDULE ON SHEET E600.
- 13 PROVIDE ONE (1) HOOD LIGHTING CIRCUIT VIA HOOD CONTROL PANEL AND ONE (1) CONTROL CIRCUIT FOR HOOD CONTROL PANEL. SEE WIRING DIAGRAMS ON SHEET E600.
- 14 THERMOSTATS AT 48" A.F.F. BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED CONTROL WIRING JBOX AND TERMINATIONS. VERIFY FINAL LOCATION WITH MECHANICAL DRAWINGS.
- 15 ELECTRICAL CONTRACTOR SHALL WIRE (2) #14 IN 1" CONDUIT FOR SHUNT CONTROL FROM HOOD CONTROL PANEL TO EACH SHUNT TRIPPED CIRCUIT TO DIE-ENERGY CIRCUIT UPON ACTIVATION OF MANUAL PULL STATION, OR DETECTION BY SENSORS WITHIN THE HOOD. SEE FOOD SERVICE SHEETS, E600, AND E601 FOR ADDITIONAL INFORMATION.
- 16 ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 120V/1P-20A DUPLEX RECEPTACLE FOR WATER HEATER. WATER HEATER CONNECTED VIA WATER HEATER MASTER CONTROLS LOCATED IN MANAGER'S OFFICE. COORDINATE WITH P.C. E.C. SHALL MAKE FINAL CONNECTION.
- 17 E.C. SHALL PROVIDE 120V-1p, 20A OUTLET FOR BUG LIGHT AT 78" A.F.F. EQUIPMENT SHALL BE MOUNTED DIRECTLY ABOVE OUTLET. BUG LIGHT PROVIDED BY VENDOR AND INSTALL BY G.C.
- 18 PROVIDE RECEPTACLE AND DATA OUTLET FOR EMPLOYEE TIME CLOCK. VERIFY FINAL LOCATION WITH G.C. PRIOR TO INSTALLATION.
- 19 E.C. TO PROVIDE A LOW VOLTAGE DOOR CONTACT TO ACTIVATE AIR CURTAIN. COORDINATE EXACT LOCATION OF DOOR CONTACT PRIOR TO ROUGH-IN. PROVIDE 1/2" CONDUIT DOWN WALL BESIDE DOOR TO PROTECT LOW VOLTAGE CABLE. REMOVE ALL BURRS OR PROVIDE APPROPRIATE FITTING TO PREVENT ABRASION TO CABLE. COORDINATE INSTALLATION WITH G.C.
- 20 SHOW WINDOW RECEPTACLE TO BE MOUNTED IN CEILING ABOVE WINDOW PER NEC. COLOR OF RECEPTACLES AND COVER PLATES SHALL BE GRAY TO MATCH CEILING.
- 21 ANSUL PULL TO BE RECESSED. E.C. SHALL PROVIDE AND INSTALL ALL CONDUIT CONNECTED WITHIN THE WALL. CONDUIT SHALL BE A STRAIGHT RUN WITH NO OFFSETS OR BENDS. E.C. SHALL PROVIDE APPROPRIATE DEPTH JBOX TO ALLOW FOR A STRAIGHT CONNECTION TO THE CONDUIT. COORDINATE WITH M.C. HOOD SUPPLIER.
- 22 LOCATE RECEPTACLE ADJACENT TO IRRIGATION CONTROLS. PROVIDE 1/2" CONDUIT WITH PULL-LINE UP TO ROOF FOR RAIN SENSOR. COORDINATE LOCATION AND REQUIREMENTS WITH LANDSCAPE CONTRACTOR. PROVIDE 2" CONDUIT WITH PULL-LINE STUBBED TO PLANTER AREA FOR IRRIGATION CONTROL WIRING. MOUNT BELOW T8B.
- 23 CHECK/VIEW DOOR KEYPADS AND CONTROLLER (BY ROLL UP DOOR IN STORAGE ROOM). PROVIDE 4" SQUARE RECESSED OUTLET BOX AND 1/2" C. TO ABOVE CEILING. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT INSTALLER. PROVIDE PLASTER RING AS REQUIRED.
- 24 ALL RACEWAYS ENTERING AND LEAVING SWITCHGEAR SHALL BE ROUTED THROUGH BOTTOM OR BACK OF GEAR.
- 25 POS REGISTER PLUGS INTO UPS WHICH IS PLUGGED INTO ONE SIDE OF QUAD RECEPTACLE SHOWN. POS REGISTER IS PLUGGED INTO THE OTHER DUPLEX. PROVIDE A 20A DEDICATED CIRCUIT TO EACH DUPLEX IN THE QUAD.
- 26 INSTALL RECEPTACLE HORIZONTALLY IN BACKSPASH ABOVE COUNTER. COORDINATE EXACT INSTALLATION PRIOR TO ROUGH-IN. RECEPTACLE FOR DOUGHNUT DISPLAY CASE LIGHT PROVIDED WITH CASEWORK AND INTEGRATED COOLER. COORDINATE LOCATION OF RECEPTACLES WITH MILLWORK CONTRACTOR. E.C. SHALL MAKE FINAL CONNECTIONS.
- 27 INSTALL RECEPTACLE 1/2" BELOW COUNTER, APPROXIMATELY 38" A.F.F. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- 28 STUB-UPS FOR FRONT COUNTER POWER AND DATA. E.C. TO COORDINATE LOCATION WITH PRE-ENGINEERED CUT OUT IN CABINETRY. PROVIDE (1) 2" CONDUIT FOR DATA AND (1) 2" CONDUIT FOR POWER. NO OTHER STUB-UPS ARE PERMITTED EXCEPT THE TWO INDICATED ON THE DRAWINGS.



Order Plans

1 electrical power plan SCALE: 1/4" = 1'-0"