

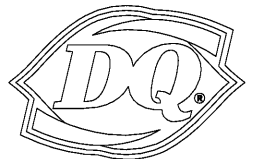
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FLA REG. PE 62729  
JOB NO. 202016

DQ GRILL & CHILL  
US HWY 90 (LOT 2)  
GLEN ST MARY, FL  
32040



**GRILL & CHILL**

AMERICAN DAIRY QUEEN  
MINNEAPOLIS, MN U.S.A.

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**BUILDING TYPE:**  
DAIRY QUEEN GRILL & CHILL  
**CORE66**  
**STORE No. 45961**

DRAWN, CHECKED, & APPROVED BY: ADQ  
DESIGN-ARCHITECTURE-CONSTRUCTION  
(DAC) DEPARTMENT

THIS IS "PLAN" NORTH  
FOR ACTUAL BUILDING  
ORIENTATION REFER TO  
SITE PLAN (BY OTHERS)

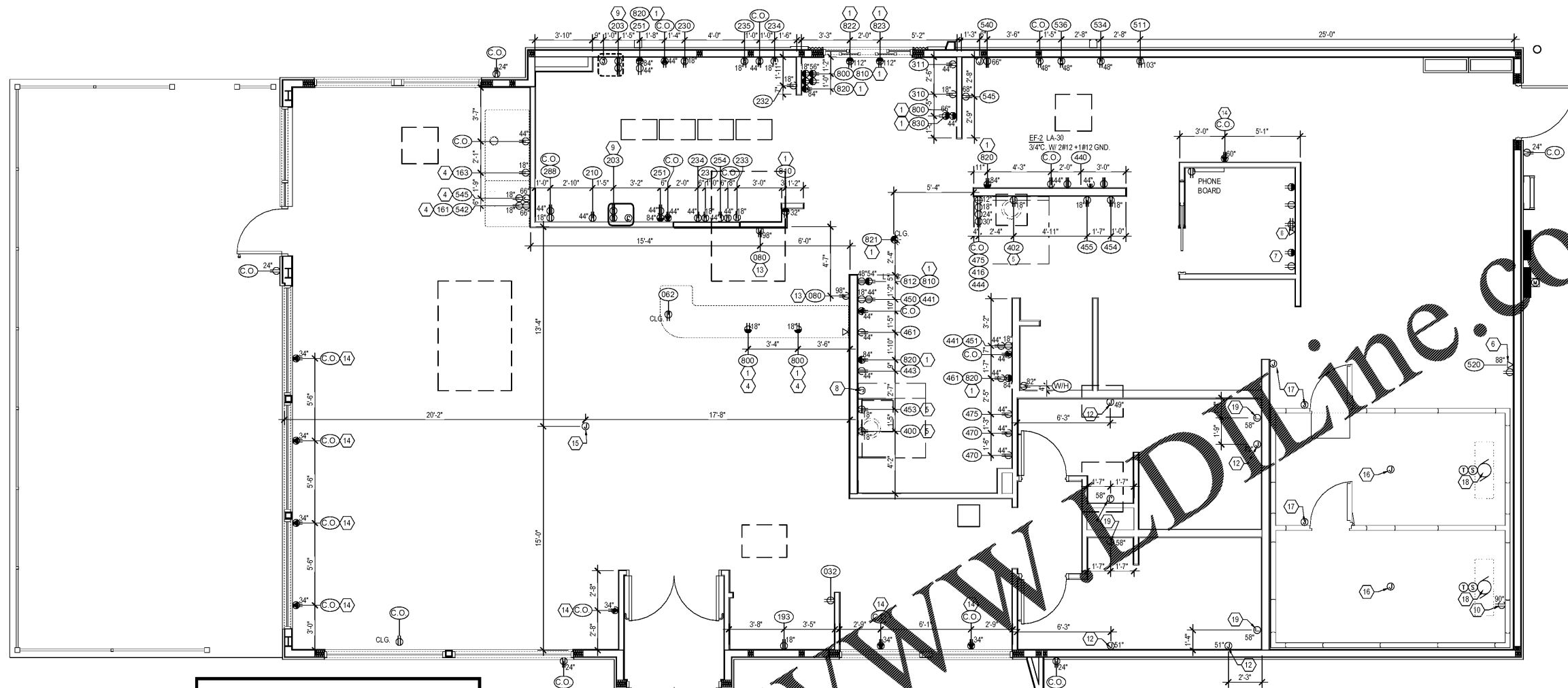
ISSUE DATE: 10/30/2020

REVISION DATE:  
10/30/2020 ISSUE FOR CONSTRUCTION

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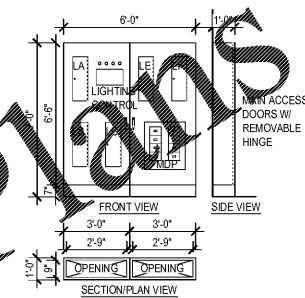
**ELECTRICAL  
ROUGH-IN PLAN**

SHEET NUMBER:  
**E1.2**

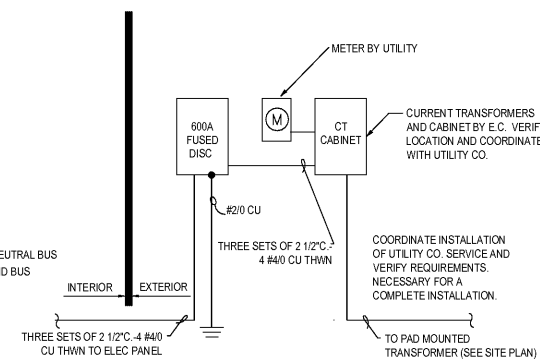
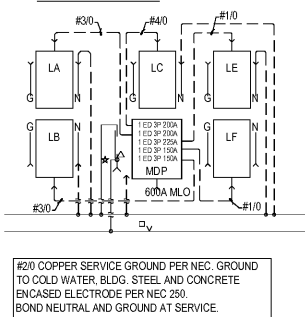


**1** ROUGH-IN PLAN  
E1.2 SCALE: 1/4" = 1'-0"

- GENERAL NOTES: APPROVED VENDOR: SSDI, SEE NATIONAL VENDORS LIST
- WHERE APPLICABLE, ALL PANELBOARDS AND TRANSFORMERS WILL BE FACTORY INSTALLED AND CABLED WITH N.E.C. SIZED CONDUCTORS. SEE THE ONE-LINE DIAGRAM FOR DETAILS. THE CONTRACTOR WILL BE REQUIRED TO MAKE ALL FINAL TERMINATIONS FOR PROPER TORQUE.
  - WHERE APPLICABLE, ALL PANELBOARDS WILL BE RECESS MOUNTED IN THE INTEGRATED SWITCHBOARD TO ALLOW FOR TOTAL FRONT ACCESS. A DEDICATED PANELBOARD WIREWAY IS ALSO PROVIDED.
  - WHERE FACTORY INSTALLED CABLING OCCURS BETWEEN INTEGRATED SWITCHBOARD SHIPPING SPLITS, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FIELD TERMINATION OF THE CABLES. SEE ELEVATION VIEW DRAWINGS FOR SHIPPING SPLIT INFORMATION.
  - EACH INTEGRATED SWITCHBOARD SHIPPING SPLIT WILL BE PALLETIZED AND SHIPPED IN AN ENCLOSED SEMI-TRAILER. WHERE APPLICABLE, THE CONTRACTOR SHALL ARRANGE FOR A FORK TRUCK TO UNLOAD AND SET THE EQUIPMENT IN PLACE. 24-HOUR NOTICE WILL BE GIVEN PRIOR TO DELIVERY.
  - ENGINEER OF RECORD SHALL VERIFY AVAILABLE SHORT-CIRCUIT CURRENT CAPACITY INTERRUPTING CAPACITIES OF PANELBOARDS AS REQUIRED TO MEET CODE.
  - THE E.C. SHALL PROVIDE ALL CUTTING, TRENCHING, BACK-FILLING AND PATCHING REQUIRED AND SHALL BE INCLUDED AS PART OF THE E.C.'S WORK.
  - AN INTEGRATED SWITCHBOARD SHALL BE USED FOR THE STORE INTEGRATED SWITCHBOARD SUPPLIER SHALL COORDINATE SWITCHBOARD UNIT, WIREWAYS EQUIPMENT, AND ALL EQUIPMENT DIMENSIONS WITH THE ELECTRICAL CONTRACTOR BEFORE BUILDING INTEGRATED SWITCHBOARD. THE E.C. SHALL WORK WITH THE INTEGRATED SWITCHBOARD SUPPLIER SO THAT THE INTEGRATED SWITCHBOARD IS CORRECT AND WILL FIT INTO PLACE MEETING ALL N.E.C. CODES BEFORE SHIPPING EQUIPMENT. THE E.C. SHALL COORDINATE ALL CONDUITS AND WIRING INSTALLATION BEFORE ROUGH-IN TO ENSURE THAT THE CONDUITS AND WIRING ARE CORRECT FOR THE INTEGRATED SWITCHBOARD. %NOTE: ANY ADJUSTMENTS OR CHANGES WILL BE THE SOLE RESPONSIBILITY OF THE %E.C. AT NO COST TO THE OWNER
  - THE E.C. SHALL RETORQUE AND RETIGHTEN ALL PANELBOARDS, MDP, BREAKERS AND DISCONNECTS PER MANUFACTURERS SPECIFICATIONS BEFORE POWER IS TURNED ON. VERIFY THAT CIRCUIT BREAKER PLACEMENTS IN PANELBOARDS AS SHIPPED TO THE JOB SITE MATCH PANEL SCHEDULES. IF NOT, REARRANGED CIRCUIT BREAKERS AS REQUIRED. LABEL AND IDENTIFY ALL LOADS IN MDP AND PANELBOARD DIRECTORIES. VERIFY ALL LOADS SHOWN, AND REPORT ANY CONFLICTS TO THE ENGINEER.
  - INTEGRATED SWITCHBOARD IS SEISMIC RATED



ELECTRICAL ONE-LINE DIAGRAM



- GENERAL NOTES
- ALL EQUIPMENT SHALL BE WIRED TO PANEL AND CIRCUIT NUMBER SHOWN. PROVIDE ELECTRICAL CONDUIT TO PANEL IS PREFERRED. MC CABLE ONLY IF LOCAL CODES ALLOW (TYPICAL UNLESS SHOWN OTHERWISE).
  - ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL CONVENIENCE OUTLETS PER TENANT/OWNER, AT TENANT/OWNER'S EXPENSE.
  - IN ALL KITCHEN AREAS, ALL RECEPTACLES SHALL BE GFCI PER 2017 NEC SECTION 210.8(B)(3).
  - VERIFY LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL ROOF TOP EQUIPMENT BEFORE ROUGH-IN AND COORDINATE WORK WITH OTHER TRADES.
  - PROVIDE WHITE OUTLETS W/ WHITE PLATE IN DINING AREA
  - PROVIDE WHITE OUTLET W/ S.S. PLATE IN KITCHEN AREA
  - ALL DIMENSIONS & HEIGHTS ARE TO CENTER OF OUTLET
- KEY NOTES
- CASH REGISTER/VIDEO MONITOR SYSTEM: WIRING FOR CASH REGISTER/VIDEO MONITOR SYSTEM SHALL BE IN SEPARATE CONDUIT FROM OTHER SYSTEMS AND SHALL HAVE INSULATED/ISOLATED GROUND CONDUCTORS. RECEPTACLES SHALL BE NEMA 5-20R-15. E.C. SHALL VERIFY WITH OWNER/TENANT ALL WIRING RELATED TO CASH REGISTERS AND VIDEO MONITORS FOR ANY CHANGES OR ADDITIONS BASED ON ACTUAL UNITS USED.
  - ROOF TOP RECEPTACLES: ELECTRICAL CONTRACTOR TO PROVIDE AND WIRE COMPLETE GFIWP RECEPTACLE AT OR NEAR ROOF TOP EQUIPMENT.
  - THIS IS A WALL THAT IS NOT FULL HEIGHT. ALL CONDUIT MUST BE ROUTED AROUND THE OPENING OR BE RUN UNDERGROUND.
  - E.C. TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
  - EQUIPMENT BENEATH HOODS SHALL HAVE SHUNT TRIP BREAKERS INTERLOCKED WITH FIRE EXTINGUISHING SYSTEM. E.C. TO PROVIDE 120V POWER FOR CONTROLS. SEE PANEL SCHEDULE E4.
  - E.C. TO PROVIDE AN EMPTY BOX AND 1/2" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE FOR PHONE SERVICE. COORDINATE ADDITIONAL PHONE SERVICE LOCATIONS PER OWNER'S REQUEST. FINAL TERMINATION OF PHONE JACKS BY COMMUNICATIONS CONTRACTOR.
  - AT THIS LOCATION, E.C. TO PROVIDE PROPERLY SIZED SERVICES FOR THE FOLLOWING ITEMS: 120V/1PH - COMPUTER; 120V/1PH - MONITOR; 120V/1PH - PRINTER/FAX; 120V/1PH ADDING MACHINE; 120V/1PH - CONVENIENCE OUTLET; 120V/1PH WITH ISOLATED AND INSULATED GROUND FOR POS SYSTEM; JUNCTION BOX(ES) - TELEPHONE/DATA LINES; OPEN JUNCTION BOXES FOR STORE SECURITY SYSTEM; ANSUL SYSTEM BOXES FOR STORE MUSIC/PA/SYSTEM.
  - ANSUL SYSTEM: E.C. TO PROVIDE JUNCTION BOX AND (1) 20A CIRCUIT FOR ANSUL SYSTEM CONNECTION. VERIFY ALL REQUIREMENTS WITH OTHER TRADES BEFORE ROUGH-IN.
  - SERVICE FOR THE CONDENSING UNIT COMES FROM THE SOFTSERVE FREEZER (U) BOX ON BACKSIDE OF THE SOFTSERVE FREEZER. SEE DETAIL 2/E1 & 3/E1). ALSO PROVIDE A 10 AMP, 2 POLE DISCONNECT SWITCH AT THE ROOF MOUNTED CONDENSING UNIT. (1) SO 122 +GROUND WIRE PER BARREL. CLEARLY LABEL EACH LINE WITH UNIT LETTER AND BARREL NUMBER (A1,A2,B1,B2) AT UNIT & AT ROOF.
  - E.C. TO PROVIDE JUNCTION BOX, TOGGLE SWITCH, RECEPTACLE, AND HEAT TAPE FOR DRAIN LINE. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
  - ELECTRICAL CONTRACTOR TO PROVIDE POWER TO KITCHEN FAN CONTROL CENTER. SEE SHEET M4.
  - ELECTRIC HAND DRYER PROVIDED BY G.C. INSTALLED BY E.C. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
  - MENU BOARD OUTLETS TO BE INSTALLED HORIZONTAL
  - USB RECEPTACLES, LEGRAND PASS & SEYMOUR FED SPEC TAMPER-RESISTANT SINGLE RECEPTACLE WITH USB CHARGING (TR5261USB1), 15 AMP/1.25V, NEMA 5-15R, WHITE UNIT WITH WHITE PLATE
  - PROVIDE RECESSED SERVICE FLOOR BOX (SINGLE GFCI + DATA) WITH GASKETED (WATER PROOF) COVER PER MANUFACTURERS RECOMMENDATIONS.
  - WALK-IN LIGHTING PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR, COORD. POWER REOMTS.
  - WALK-IN DOOR PANEL CONTROLS PROVIDED BY WALK-IN MFG. INSTALLED BY ELEC. CONTRACTOR, COORD. POWER REOMTS.
  - ELECTRICAL CONTRACTOR REFER TO MFG. WIRING DIAGRAM FOR INFORMATION ON WIRING CONTROLS PROVIDED BY MFG.
  - HALO-LIT MIRROR. ELECTRICAL CONTRACTOR TO TIE INTO RESTROOM LIGHTING CONTROLS. SEE LIGHTING PLAN.

**2** ELECTRICAL SERVICE DIAGRAM  
E1.2