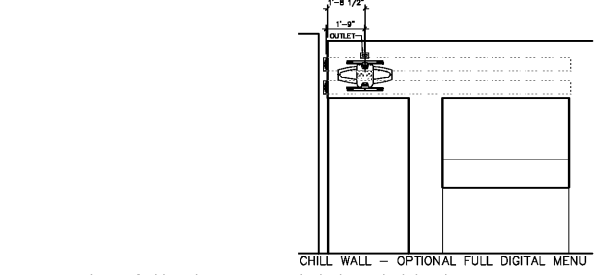
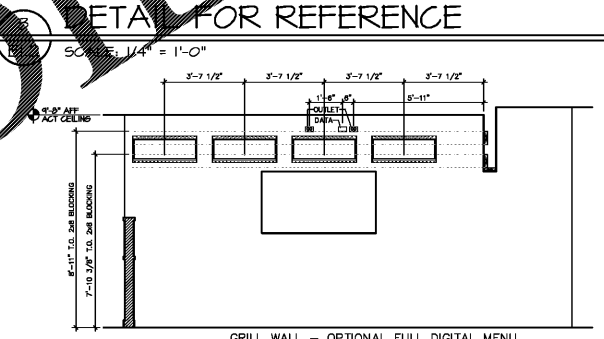
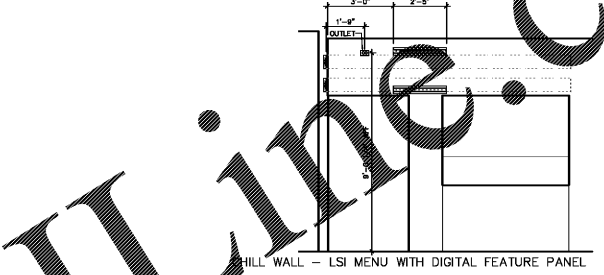
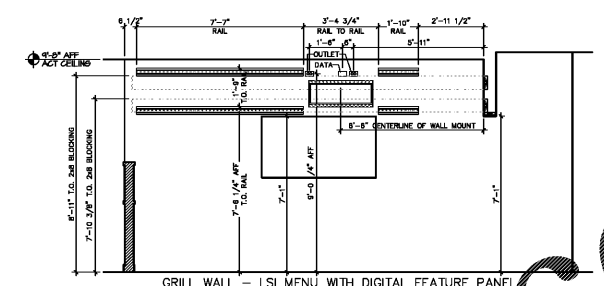


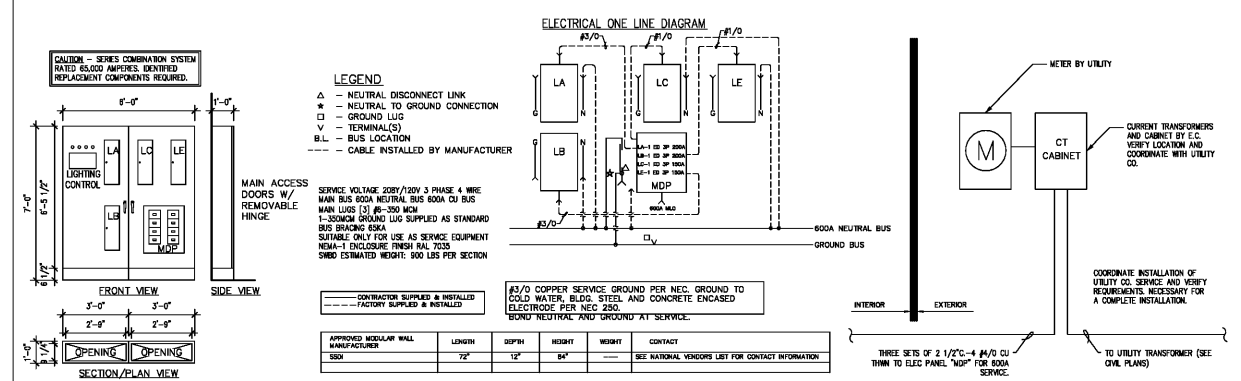
1 POWER LOCATION PLAN
E1.2 SCALE: 1/4" = 1'-0"



4 DETAIL FOR REFERENCE
E1.2 SCALE: 1/4" = 1'-0"

- GENERAL NOTES**
1. 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).
 2. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL CONVENIENCE OUTLETS PER TENANT/OWNER, AT TENANT/OWNER'S EXPENSE.
 3. IN ALL KITCHEN AREAS, ALL RECEPTACLES SHALL BE GFCI PER 2017 NEC SECTION 210.8(B)(3).
 4. VERIFY LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL ROOF TOP EQUIPMENT BEFORE ROUGH-IN AND COORDINATE WORK WITH OTHER TRADES.
 5. PROVIDE IVORY OUTLETS W/ IVORY PLATE IN DINING AREA
 6. PROVIDE IVORY OUTLET W/ S.S. PLATE IN KITCHEN AREA
 7. ALL DIMENSIONS & HEIGHTS ARE TO CENTER OF OUTLET
- KEY NOTES**
- 1 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-1G, E.C. VERIFY WITH OWNER/TENANT ALL WIRING RELATED TO CASH REGISTERS AND VIDEO MONITORS FOR ANY CHANGES OR ADDITIONS BASED ON ACTUAL UNITS USED.
 - 2 ROOF TOP RECEPTACLES: E.C. TO PROVIDE AND WIRE COMPLETE GFI/WP RECEPTACLE AT OR NEAR ROOF TOP EQUIPMENT. E.C. TO WIRE COMPLETE RECEPTACLE PROVIDED ON RTU #1 AND RTU #2.
 - 3 THIS IS A WALL THAT IS NOT FULL HEIGHT, ALL CONDUIT MUST BE ROUTED AROUND THE OPENING TO BE RUN UNDERGROUND.
 - 4 E.C. TO MAKE FINAL CONNECTION TO COUNTER RECEPTACLES AFTER COUNTER INSTALLATION.
 - 5 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.
 - 6 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.
 - 7 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; OPEN JUNCTION BOXES FOR STORE MUSIC/PACK SYSTEM.
 - 8 HOOD CONTROL PANEL AND ANSUL SYSTEM: E.C. TO PROVIDE JUNCTION BOX AND (1) 20A CIRCUIT FOR HOOD CONTROL PANEL AND ANSUL SYSTEM CONNECTION. VERIFY ALL REQUIREMENTS WITH OTHER TRADES BEFORE ROUGH-IN. IN CASE OF FIRE UNDER HOOD, EXHAUST FANS SHALL RUN AND RTU-1 AND RTU-2 SHALL SHUT DOWN. VERIFY REQUIREMENTS WITH AUTHORITY HAVING JURISDICTION AND PROVIDE ALL WIRING, RELAYS, ETC. FOR COMPLETE AND WORKING SYSTEM. SEE MECHANICAL HOOD SHEETS FOR MORE INFORMATION.
 - 9 SERVICE FOR THE CONDENSING UNIT COMES FROM THE SOFTSERVE FREEZER (J BOX ON BACKSIDE OF THE SOFTSERVE FREEZER, SEE DETAIL 2/E1.1 & 3/E1.1). ALSO PROVIDE A 10 AMP 2 POLE DISCONNECT SWITCH AT THE ROOF MOUNTED CONDENSING UNIT. (1) SO 1/2" 1-1/2" CONDUIT PER PANEL. LABEL EACH LINE WITH UNIT LETTER AND BARREL NUMBER (A1,A2,B1,B2) AT UNIT & AT ROOF.
 - 10 E.C. TO PROVIDE JUNCTION BOX AND TOGGLE SWITCH DISCONNECT FOR DRAIN LINE HEAT TAPE.
 - 11 USE RECEPTACLES, LEAD AND PASTE SEYMOUR FED SPEC TAMPER-RESISTANT SINGLE RECEPTACLE WITH USB CHARGING (TR5261USB), 15 AMP/125V, NEMA 5-15R, IVORY UNIT WITH IVORY PLATE
 - 12 ELECTRIC HAND DRYER PROVIDED BY G.C., INSTALLED BY E.C. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - 13 MENU BOARD OUTLETS TO BE INSTALLED HORIZONTAL
 - 14 E.C. TO PROVIDE AN EMPTY BOX AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE FOR FUTURE EQUIPMENT NEEDS. FIELD VERIFY J-BOX MOUNTING HEIGHT PRIOR TO ROUGH-IN.

Plans @



2 ELECTRICAL SERVICE DIAGRAM
E1.2

- GENERAL NOTES**
1. 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.
 2. WHERE APPLICABLE, ALL PANELBOARDS WILL BE RECESS MOUNTED IN THE INTEGRATED SWITCHBOARDS TO ALLOW FOR TOTAL FRONT ACCESS. A DEDICATED PANELBOARD WIREWAY IS ALSO PROVIDED.
 3. WHERE FACTORY INSTALLED CABLING OCCURS BETWEEN INTEGRATED SWITCHBOARD SHIPPING SPLITS, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FIELD TERMINATION OF THE CABLES. SEE ELEVATION NEW DRAWINGS FOR SHIPPING SPLIT INFORMATION.
 4. 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.
 5. ENGINEER OF RECORD SHALL VERIFY AVAILABLE SHORT-CIRCUIT CURRENT AND ADJUST INTERRUPTING CAPACITIES OF PANELBOARDS AS REQUIRED TO MEET CODE.
 6. THE E.C. SHALL PROVIDE ALL CUTTING, WELDING, BACK-FILLING AND PATCHING AS REQUIRED AND SHALL BE INCLUDED AS PART OF THE E.C.'S WORK.
 7. AN INTEGRATED SWITCHBOARD SHALL BE USED FOR THE STORE. INTEGRATED SWITCHBOARD SUPPLIER SHALL COORDINATE SWITCHBOARD LAYOUT, 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. MAKE ANY ADJUSTMENTS OR CHANGES WILL BE THE SOLE RESPONSIBILITY OF THE SUBCONTRACTOR AT NO COST TO THE OWNER.
 8. THE E.C. SHALL RETORQUE AND RETIGHTEN ALL PANELBOARDS, MOP, BREAKERS AND DISCONNECTS PER MANUFACTURER'S SPECIFICATIONS BEFORE POWER IS TURNED ON. VERIFY THAT CIRCUIT BREAKER PLACEMENTS IN PANELBOARDS AS SHIPPED TO THE JOB SITE MEET PANEL SCHEDULES. IF NOT, REARRANGED CIRCUIT BREAKERS AS REQUIRED. LABEL AND IDENTIFY ALL LOADS IN MOP AND PANELBOARD DIRECTORIES. VERIFY ALL LOADS SHOWN, AND REPORT ANY CONFLICTS TO THE ENGINEER.

NEW BUILDING FOR:

 INTERSECTION OF DAVENPORT & ALABAMA AVENUE
 BREMEN, MN 55410
 CELL # 252 0065
 AMERICAN DAIRY QUEEN
 MINNEAPOLIS, MN U.S.A.
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ELECTRICAL ROUGH-IN PLAN

SHEET NUMBER:
 E1.2