

Circle K Southwest Prototype 4480 - 05/13/2014  
Drawing Name: P:\1514\20140041.5\205 Standard Construction Documents\Current\20140041.5.dwg Last Modified: Feb 26, 2014 - 7:55am Plotted on: Feb 26, 2014 - 7:55am by wds

D

C

B

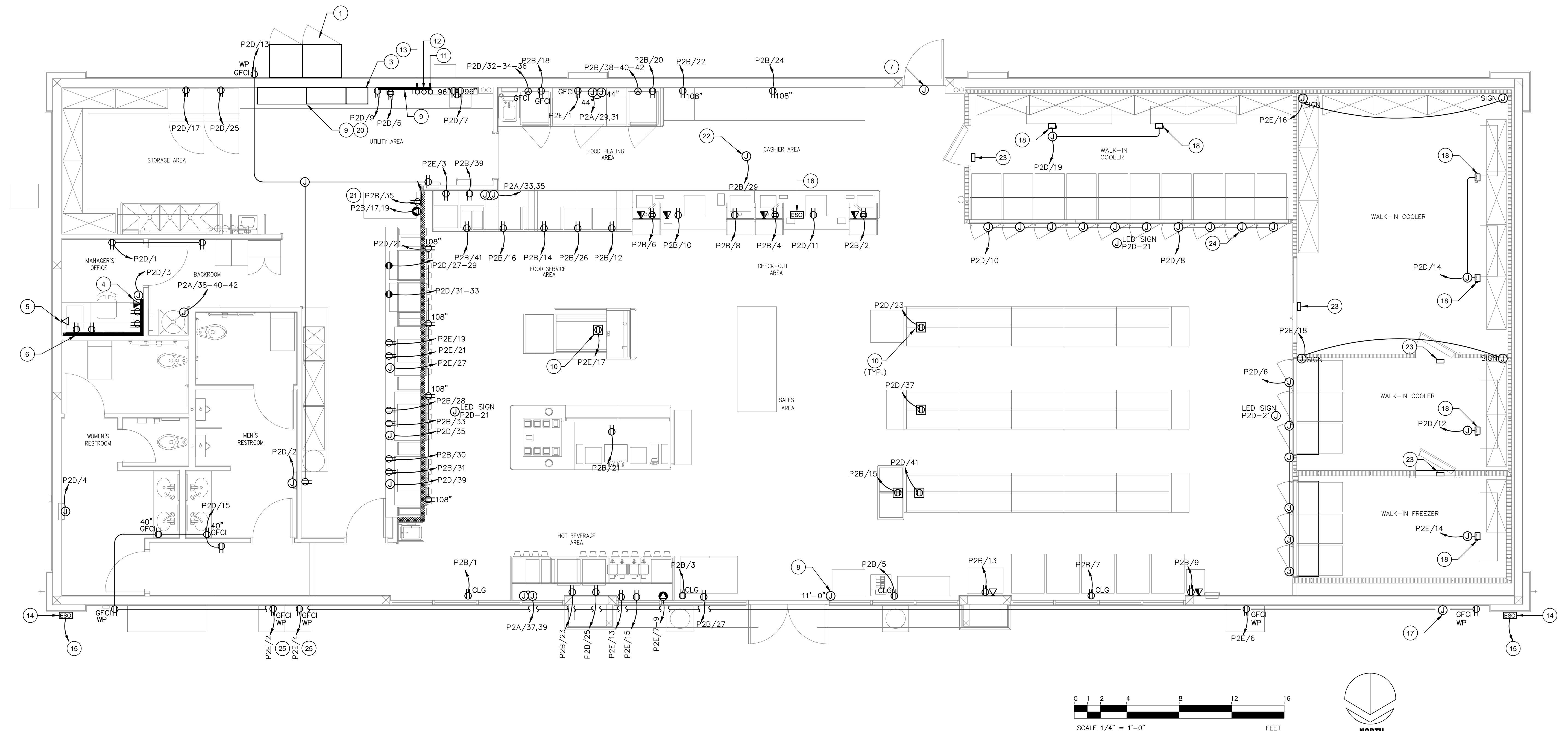
A

NOTES

- A. COORDINATE ALL WORK WITH OTHER TRADES AND THE PROJECT MANAGER.
- B. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION REQUIREMENTS (HP, AMPS, VOLTAGE, PHASE AND DISCONNECTING MEANS), FOR ALL EQUIPMENT SUPPLIED BY OTHERS.
- C. VERIFY LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- D. ALL RECEPTACLES WITHIN 6'-0" OF A SINK AND LOCATED AT FOOD SERVICE AREA AND BEVERAGE COUNTERS SHALL BE GFCI TYPE.
- E. RGS CONDUIT SHALL BE USED IN ALL EXTERIOR LOCATIONS.
- F. MINIMUM CONDUIT SIZE SHALL BE 1/2".
- G. MINIMUM WIRE SIZE SHALL BE #12 THHN/THWN CU.
- H. REFER TO THE PANEL SCHEDULES ON SHEET E4.0 FOR CONDUIT/WIRE SIZE AND LOAD DESIGNATIONS. THERE SHALL BE NO SHARED NEUTRALS.
- I. CONTRACTOR SHALL PROVIDE AND INSTALL RECEPTACLES FOR ALL EQUIPMENT, TO MATCH VENDOR FURNISHED PLUGS.
- J. CONDUITS ENTERING THE COOLER AND FREEZER ENCLOSURE SHALL BE FILLED WITH AN APPROVED MATERIAL TO PREVENT THE CIRCULATION OF WARM AIR TO A COLDER SECTION OF THE CONDUITS.
- K. ALL EXTERIOR RECEPTACLES SHALL BE FURNISHED WITH A METALLIC TAYMAC COVER, TO COMPLY WITH N.E.C. 406.8(B)(1).
- L. ALL DISCONNECT SWITCHES SHALL BE MOUNTED TO SATISFY N.E.C. CLEARANCE REQUIREMENTS.
- M. PROVIDE HOMERUN CONDUITS AS FOLLOWS:  
- FRAME RACK TO BACK OFFICE  
- FRAME RACK TO ATM  
- FRAME RACK TO POS - SALES COUNTER  
- BACK OFFICE TO POS - SALES COUNTER  
(ACCOMMODATE SECURITY INTERFACES AS WELL)

KEYED NOTES

1. NEW 800A, 208Y/120V, 3Ø, 4W, NEMA 3R, MAIN ELECTRICAL SERVICE EQUIPMENT. REFER TO SHEET E3.0 FOR ONE-LINE DIAGRAM.
2. NEW CPI INTEGRATED PANEL AND CONTROL SYSTEM INCLUDING ELECTRICAL PANELS, DISPENSER CONTROLLER, DISPENSER ISOLATION, EMERGENCY SHUT-OFF CONTROLS, AND OUTDOOR LIGHTING CONTROLS. REFER TO SHEET E3.0 FOR ONE-LINE DIAGRAM.
3. NEW PUMP CONTROLLERS AND DATA DISTRIBUTION BOX.
4. NEW PHONE/DATA OUTLET, (TYPICAL). CONTRACTOR SHALL PROVIDE AND INSTALL NEW 3/4" C, WITH PULLSTRING, FROM BACK BOX TO 6" ABOVE DROPPED CEILING, AND A 90 DEG. SWEEP FOR PHONE/DATA WIRING BY OTHERS.
5. NEW DATA OUTLET, (TYPICAL). CONTRACTOR SHALL PROVIDE AND INSTALL NEW 3/4" C, WITH PULLSTRING, FROM BACK BOX TO 6" ABOVE DROPPED CEILING AND A 90 DEG. SWEEP, FOR DATA WIRING BY OTHERS.
6. NEW WIREMOLD WITH DEVICES CONFIGURED AS SHOWN.
7. BATTERY OPERATED DOOR ALARM.
8. CONTRACTOR SHALL PROVIDE AND INSTALL J-BOX ON WALL AND 3/4" CONDUITS WITH PULL ROPE TO J-BOXES IN BACK ROOM, WALK-IN COOLERS AND BEER CAVE FOR BATTERY OPERATED "RODANN" DOOR CHIME. VERIFY EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
9. NEW 2' X 4' X 3/4" PLYWOOD TELEPHONE MOUNTING BOARD. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CU. BUS WITH 1 #6 CU. GND. TO THE GROUNDING ELECTRODE.
10. RECEPTACLE SHALL BE MOUNTED IN A FLOOR BOX. CONDUIT TO RECEPTACLE SHALL BE RUN UNDERGROUND AT 6" BELOW THE SLAB.
11. CONTRACTOR SHALL PROVIDE AND INSTALL NEW 1" C, WITH PULL ROPE TO TELEPHONE BACKBOARD FOR TELEPHONE/CATEGORY 5 CABLES.
12. CONTRACTOR SHALL PROVIDE AND INSTALL NEW 1" C, WITH PULL ROPE AS SPARE FOR FUTURE USE.
13. CONTRACTOR SHALL PROVIDE AND INSTALL NEW 1" C, WITH PULL ROPE TO COMMUNICATIONS RACK FOR TELEPHONE/CATEGORY 5 CABLES.
14. EMERGENCY SHUT-OFF SWITCH FOR PUMPS. ALTERNATE LOCATION PER SITE. VERIFY FINAL LOCATION.
15. CONTRACTOR SHALL PROVIDE AND INSTALL NEW 3/4" C, 2 #12 CU., 1 #12 CU. GND., TO IPaCS CONTROLS.
16. EMERGENCY PUMP SHUT-OFF SWITCH AND RESET AT CASHIER, (MOUNTED ON CASHIER COUNTER). CONTRACTOR SHALL PROVIDE AND INSTALL NEW 3/4" C, 4 #12 CU., 1 #12 CU. GND., TO IPaCS.
17. NOT USED.
18. NEW 30A, 240VAC, NEMA 12, HEAVY DUTY, FUSED DISCONNECT SWITCH WITH FRN-R FUSES SIZED PER MANUFACTURER'S RECOMMENDATION.
19. NOT USED.
20. MAIN CIRCUIT BREAKERS INCLUDING HOUSEKEEPING PAD SHALL NOT BE MOUNTED HIGHER THAN 6'-8" AFF.
21. COORDINATE THE RECEPTACLE AND CIRCUIT BREAKER REQUIREMENTS WITH VENDOR PRIOR TO INSTALLATION.
22. J-BOX LOW VOLTAGE POWER SUPPLY FOR ELECTRICAL DOOR LOCK. CONTRACTOR VERIFY FINAL LOCATION WITH OWNER AND VENDOR PRIOR TO INSTALLATION.
23. LOW VOLTAGE DOOR LOCK SOLENOID ACTIVATED FROM COUNTER. VERIFY FINAL LOCATION AND REQUIREMENTS WITH LOW VOLTAGE VENDOR.
24. PROVIDE FOUR J-BOXES FOR BEER CAVE SIGNS. VERIFY FINAL LOCATION.
25. PROVIDE WATER PIPE HEAT TAPE. TIE TO CIRCUIT SHOWN.



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**ISSUE/REVISION RECORD**  
DATE DESCRIPTION  
02/28/2014 PERMIT/BD SET

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02/28/14

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**PROJECT NAME**  
**CIRCLE K STORES, INC.**

**PFLUGERVILLE TEXAS**

**SEC WEST PECAN ST. & SARAH'S CREEK DR. PFLUGERVILLE, TX**

CIRCLE K STORES INC.

**PROJECT NUMBER**  
20140041.5

**SHEET TITLE**  
FLOOR POWER PLAN

**SHEET NUMBER**  
**E2.0**