

CIRCLE K STORES, INC. 19000 MacArthur Blvd., Suite 250 Irvine, CA 92612 t: 949 296 0450 f: 949 296 0437

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GreenbergFarrow

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Irvine, CA 92612
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
02/28/2014	PERMIT/BID SET

IMPORTANT: THIS IS A CONTROL DRAWING ONLY AND DOES NOT REFLECT THE ACTUAL LOCATIONS OF CONDUIT ENTRY (SEE NOTE 7 BELOW).

VEEDER-ROOT REQUIRES THAT ANYONE INSTALLING OUR EQUIPMENT MUST BE LEVEL 1 CERTIFIED. FOR MORE INFORMATION REGARDING THE HOME STUDY INSTALLERS COURSE CONTACT 860-651-2762.



WARNING: IN INSTALLATION AND USE OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE; FEDERAL, STATE AND LOCAL CODES. IN ADDITION, TURN OFF POWER AND TAKE OTHER NECESSARY PRECAUTIONS DURING INSTALLATION, SERVICE AND REPAIR TO PREVENT PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE.



WARNING: DISCONNECT ALL POWER BEFORE MAKING ANY CONNECTIONS TO PREVENT DEATH, SERIOUS INJURY, EXPLOSION, OR ELECTRICAL SHOCK. MONITOR MUST NEVER BE OPERATED UNLESS THE FRONT COVER IS CLOSED OVER THE BARRIER TERMINALS IN THE INTRINSICALLY SAFE AREA.



1. INTRINSICALLY SAFE WIRING
BONDED CONDUIT MEANS THAT THE METALLIC SECTIONS OF CONDUIT ARE PERMANENTLY JOINED TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ASSURE ELECTRICAL CONTINUITY, AND THAT THE CONDUIT HAS THE CAPACITY TO CONDUCT SAFELY, ANY CURRENT LIKELY TO BE IMPOSED.
- o) BONDED & NON-BONDED CONDUIT – THE WIRES BETWEEN THE MONITOR AND EACH PROBE/SENSOR LOCATION MUST BE #14, #16 OR #18 AWG STRANDED COPPER WIRES WITHIN A SHIELDED CABLE. SHIELDED CABLE MUST BE RATED AT LESS THAN 100 PICO FARAD PER FOOT AND MUST BE MANUFACTURED WITH A MATERIAL SUITABLE FOR THE ENVIRONMENT, SUCH AS CAROL™ C2534 OR BELDEN™ 88760 OR 8760.

2. CONNECT THE BARRIER GROUND TO THE EARTH GROUND BUS AT THE POWER DISTRIBUTION PANEL WITH #12 AWG (OR LARGER) CONDUCTOR.

3. ● DENOTES FIELD WIRING CONNECTION USING WATERPROOF CONNECTORS SUPPLIED WITH THE PROBE(S) AND SENSOR(S).

4. INTRINSICALLY SAFE WIRING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 504-20 OF THE NEC, ANSI/NFPA 70.

5. TO MAINTAIN INTRINSIC SAFETY, PROBE/SENSOR WIRING MUST BE INSTALLED WITH EITHER SEALED CONDUIT OR DIRECT BURIAL METHODS. REFER TO "DIRECT BURIAL CABLE INSTALLATION", MANUAL NO. 576013-858.

6. ELECTRICAL RATING POWER INPUT 120 VAC, 50/60 HZ, 100 VA MAXIMUM.

7. THIS DOCUMENT IS NOT TO BE USED AS A SUBSTITUTE FOR SPECIFIC EQUIPMENT INSTALLATION MANUALS. FOR INSTALLATION DETAILS USE THE RESPECTIVE MANUAL:

TLS-350(R)	576013-879
PLD	576013-902
WPLD	576013-923

NOTE:

INTERCOM WIRE SHALL BE 4 CONDUCTOR WIRE.

NON-HAZARDOUS AREA

HAZARDOUS AREA

WEATHERPROOF JUNCTION BOXES
1 PER PROBE OR SENSOR

FROM THERMISTOR

"A"

"B"

"C"

"D"

"E"

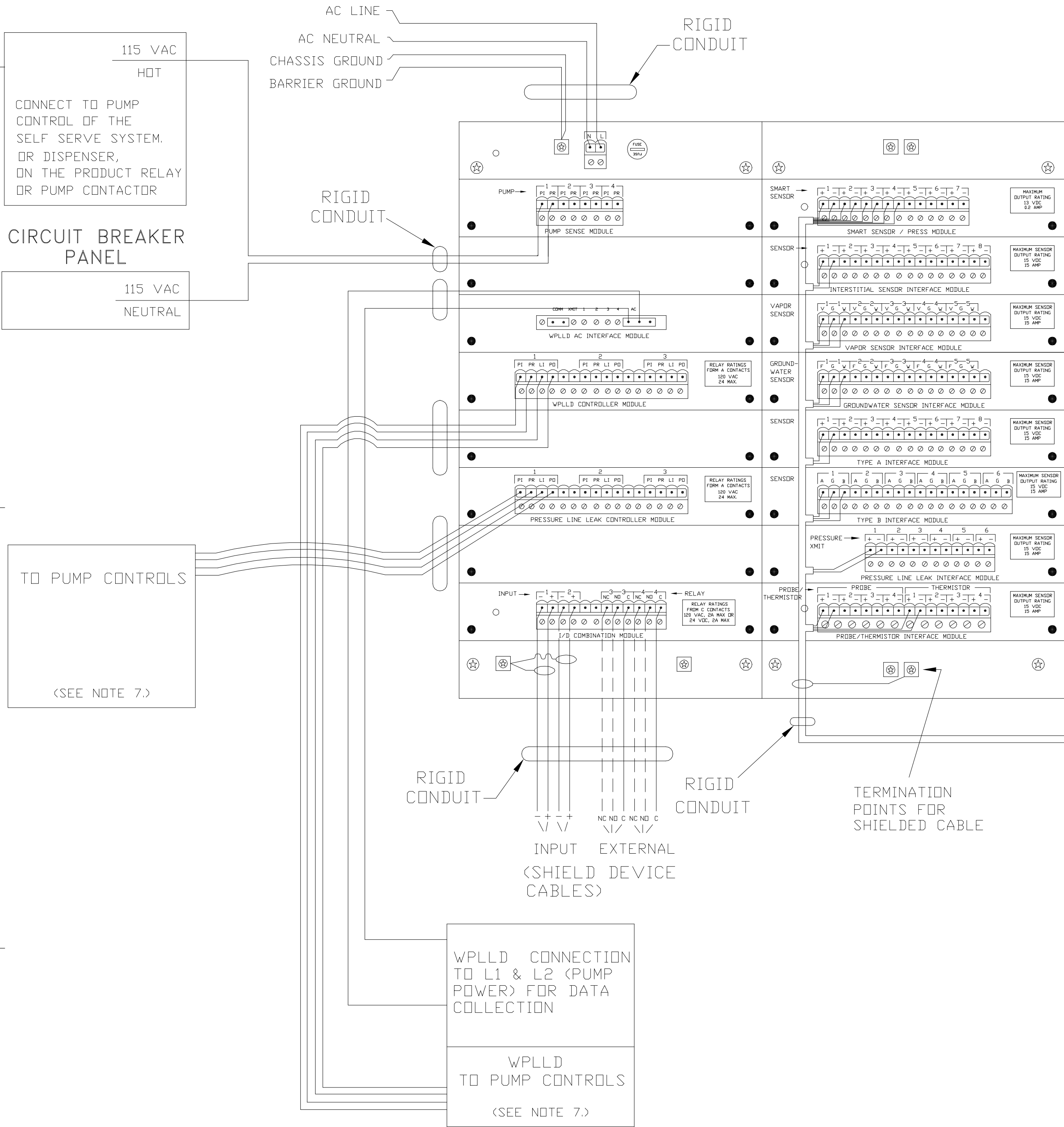
"F"

"G"

"H"

JUNCTION BOX

RIGID CONDUIT



PROFESSIONAL SEAL

FOR
REFERENCE
ONLY

PROFESSIONAL IN CHARGE

DOUGLAS COOPER

PROJECT MANAGER

CHRIS CERBO

QUALITY CONTROL

WARREN DRURY

DRAWN BY

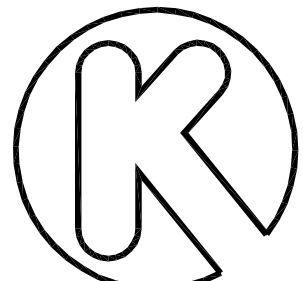
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PROJECT NAME

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

CONTROL
DIAGRAMS

SHEET NUMBER

F6.0