

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.

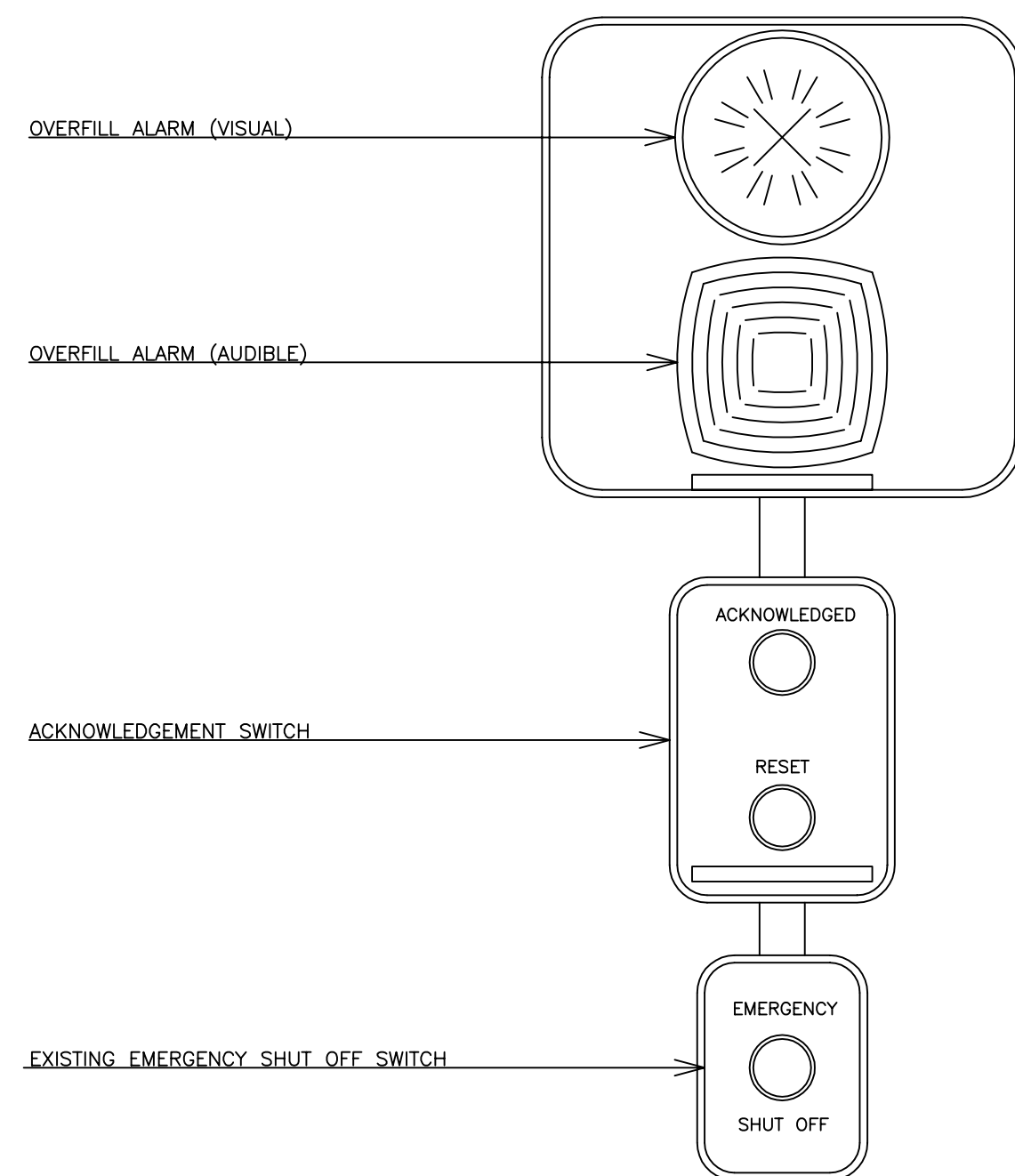
**WARNING:** IN INSTALLATION AND USE OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE; FEDERAL, STATE AND LOCAL CODES. IN ADDITION, TURN OFF POWER AND TAKE OTHER NECESSARY PRECAUTIONS DURING INSTALLATION, SERVICE AND REPAIR TO PREVENT PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE.

**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.
- a) **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 |
| WPLLD      | 576013-923 |

INSTALL THE FOLLOWING AS PER MANUFACTURERS SPECIFICATIONS, AND NATIONALLY RECOGNIZED CODES.

NO.	DESCRIPTION	MANUFACTURER	PART NUMBER
1	FUEL SYSTEM MONITOR WITH PRINTER	VEEDER ROOT	TLS-350 PLUS
2	SMART PRESSURE SENSOR MODULE	VEEDER ROOT	332250-001
3	EIGHT INPUT SENSOR MODULE	VEEDER ROOT	329358-001
4	FOUR INPUT PROBE MODULE	VEEDER ROOT	329356-002
5	FOUR RELAY OUTPUT MODULE	VEEDER ROOT	329359-001
6	OVERFILL ALARM	VEEDER ROOT	790091-001
7	ACKNOWLEDGEMENT SWITCH	VEEDER ROOT	790095-001



OVERFILL ALARM AND ACKNOWLEDGEMENT SWITCH

CLIENT:

BP WEST COAST PRODUCTS, LLC

CONSULTANT:

**WESTERNSTATES**  
Engineering & Construction, Inc.  
233 N. MAIN ST.  
OAKLAND, CA 94612  
714/769-2000  
714/769-2002 Fax  
CSLB No. 723791  
class A

NO.	DATE	REVISION DESCRIPTION
1	03-01-04	New Submittal
2	07-20-04	Revision Submittal II

SEAL:

**CONFIDENTIALITY STATEMENT:**  
THE RECIPIENT OF THESE MATERIALS UNDERSTANDS THAT COPYRIGHT IN THE MATERIALS IS OWNED BY BP, AND ALSO, THAT THE MATERIALS CONTAIN PROPRIETARY AND CONFIDENTIAL BUSINESS INFORMATION OF BP. ACCORDINGLY, THE RECIPIENT AGREES TO RETURN THESE MATERIALS TO BP, OR TO DESTROY THEM, UPON REQUEST OF BP. THE RECIPIENT AGREES TO USE THE MATERIALS ONLY FOR THE LIMITED PURPOSE FOR WHICH BP HAS MADE THE MATERIALS AVAILABLE, AND RECIPIENT AGREES TO RETURN ALL MATERIALS TO BP UPON COMPLETION OF THE PROJECT, OR UPON THE REQUEST OF BP, WHICHEVER COMES FIRST.

DEVELOPMENT INFORMATION:

**NEW BUILD (STICK)**  
**3600 SERIES AM/PM**  
**CENTER CASHIER**  
**TO GO DELI**

SITE ADDRESS:

**23261 CAJALCO EXWY.**  
@ HARVILL AVENUE  
PERRIS, California 92571

DESIGNED BY:	ALLIANCE Z&M:
CHECKED BY:	BP REPM:
DRAWN BY:	ALLIANCE PM:
VERSION:	PROJECT NO:

**07.20.04**

DRAWING TITLE:

**FUEL SYSTEM**  
**VEEDER ROOT**

SHEET NO:

**TK-2.3**