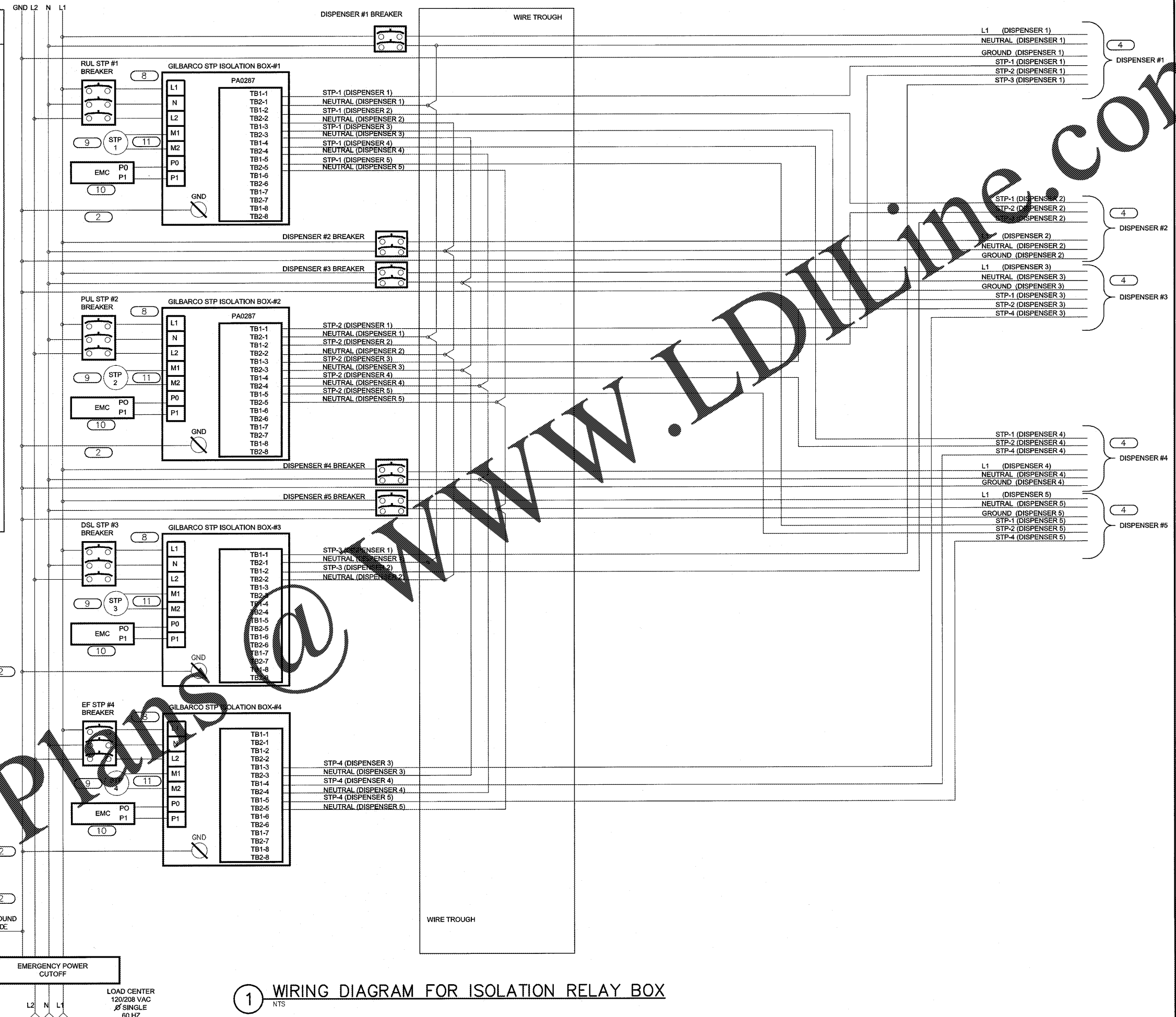


KEYNOTES

- 1 INSTALL A SINGLE EMERGENCY POWER CUTOFF CONTROL TO REMOVE AC POWER FROM SITE DISPENSING EQUIPMENT. (THE CONTROL IS AN ADDITION SAFETY FEATURE AND NOT A SUBSTITUTE FOR NEC/NFPA30 CIRCUIT BREAKER REQUIREMENTS.)
- * LABEL THE EMERGENCY POWER CUTOFF SWITCH AND INSTRUCT OWNER TO KEEP AREA CLEAR OF OBSTACLES.
- 2 CONNECT INSULATED GROUNDING CONDUCTOR FROM THE DISPENSER POWER PANEL TO THE SITE GROUNDING ELECTRODE. SIZE PER NEC.
- 3 INSTALL POWER BREAKERS TO EACH CIRCUIT LEADING TO THE DISPENSING UNIT AND STP. THEY MUST BE CAPABLE OF SIMULTANEOUSLY DISCONNECTING HOT AND NEUTRAL CONDUCTORS.
- 4 REFER TO INSTALLATION ADDENDA FOR SPECIFIC PRODUCT FIELD WIRING CONNECTIONS. CAP ALL UNUSED WIRES. LOCAL AND NEC MAY APPLY.
- 5 INSTALL CONDUIT PER NEC FOR HAZARDOUS LOCATIONS.
- 6 WIRES - ALL WIRES ARE 12AWG (STANDARD) UNLESS OTHERWISE NOTED. PUMP / DISP. GROUND - WIRE IS 12 AWG (STANDARD).
- POWER LOADING AND DISTANCE RUN MAY REQUIRE LARGER WIRE SIZE.
- 7 NOT USED
- 8 STP ISOLATION RELAY BOXES ARE MANDATED BY THE NEC (ARTICLE 514.13 - PROVISIONS FOR MAINTENANCE AND SERVICE OF DISPENSING EQUIPMENT) AND ARE REQUIRED TO:
 - A. ALLOW SERVICE OF ONE UNIT SAFELY WITHOUT REMOVING POWER FROM ALL DISPENSING EQUIPMENT.
 - B. PREVENT DAMAGE TO EQUIPMENT FROM CROSS-PHASING.
 DAMAGE CAUSED BY CROSS-PHASING IS NOT COVERED BY WARRANTY.
- GILBARCO STP ISOLATION BOX PA0287 IS NOT AVAILABLE FOR 220/230/240VAC UNITS. (THIS IS AN OWNER SUPPLIED ITEM.)
- 9 FOR STPs GREATER THAN 1-1/2HP (SINGLE OR THREE PHASE) CONNECT TO MOTOR CONTACTOR COIL OF SEPARATE STP RELAY BOX.
- 10 L1 FEEDS STP BOX CONTACTOR COIL, THEREFORE L1 & EMC MUST BE ON THE SAME PHASE OR DAMAGE TO EMC WILL RESULT. WHEN EMC IS NOT USED, JUMPER STP BOX TERMINALS P0 AND P1 TOGETHER TO COMPLETE THIS CIRCUIT.



1 WIRING DIAGRAM FOR ISOLATION RELAY BOX
NTS

Order Plans @

HFA
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ISOLATION RELAY BOX DETAIL

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