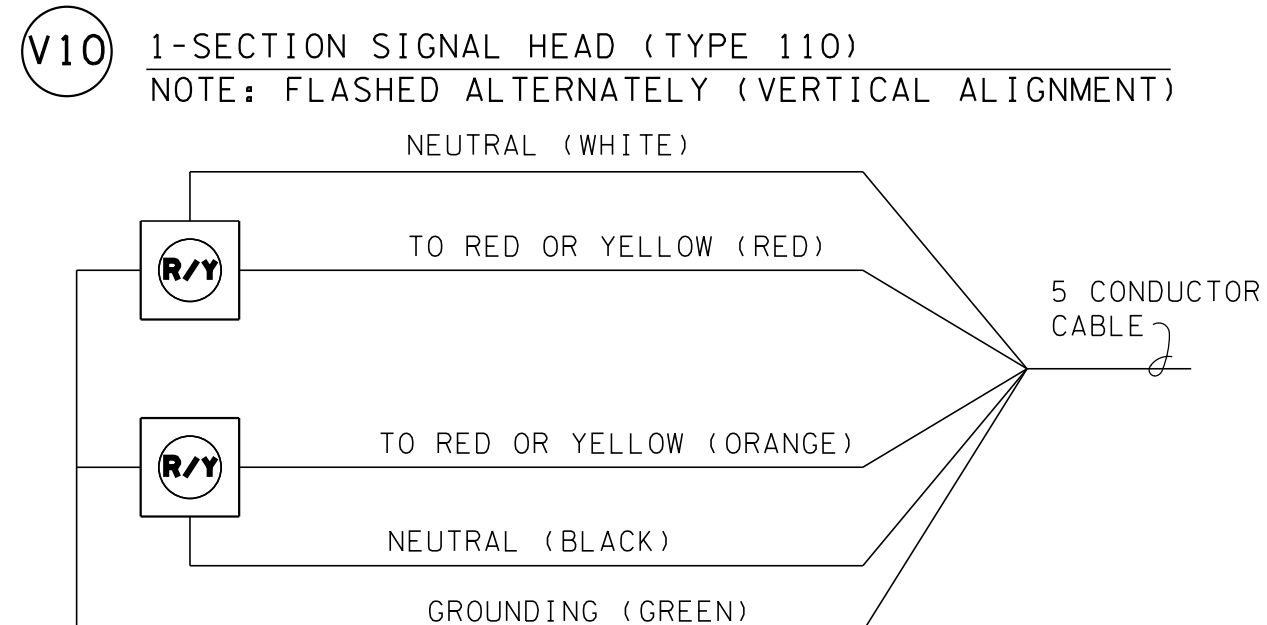
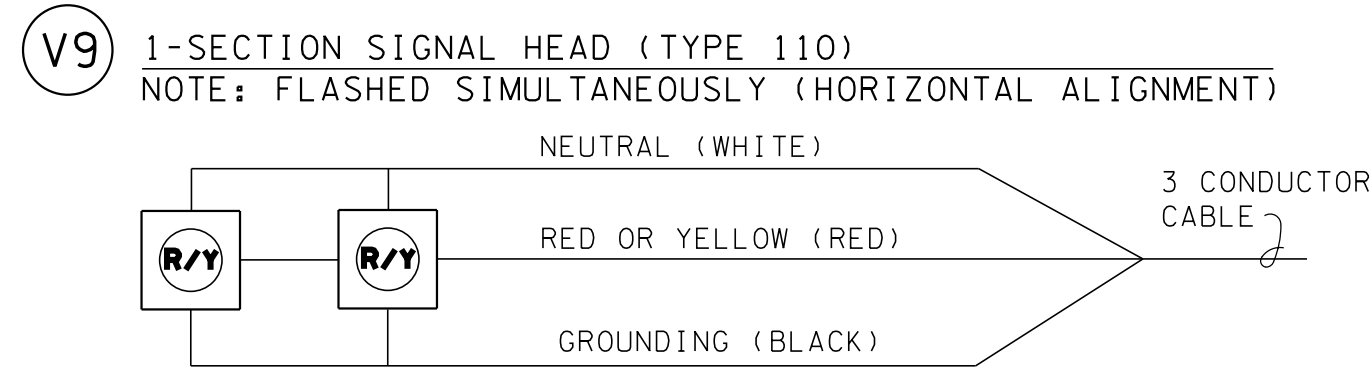
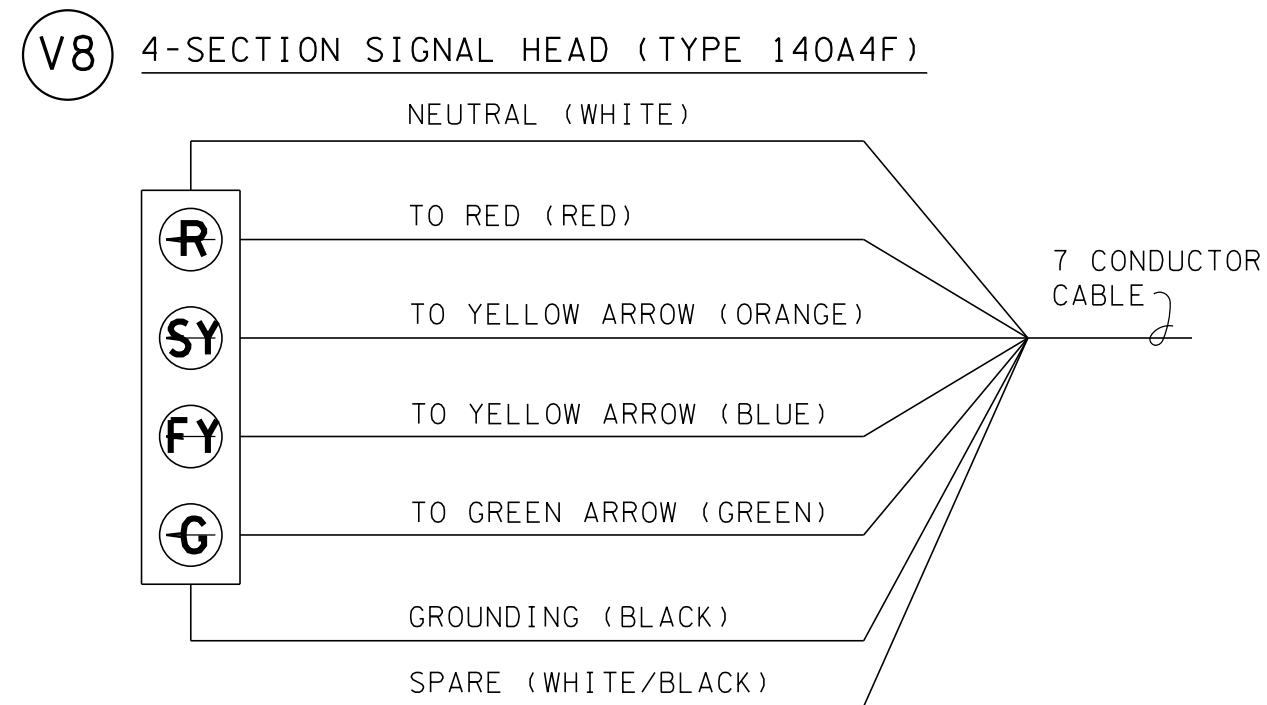
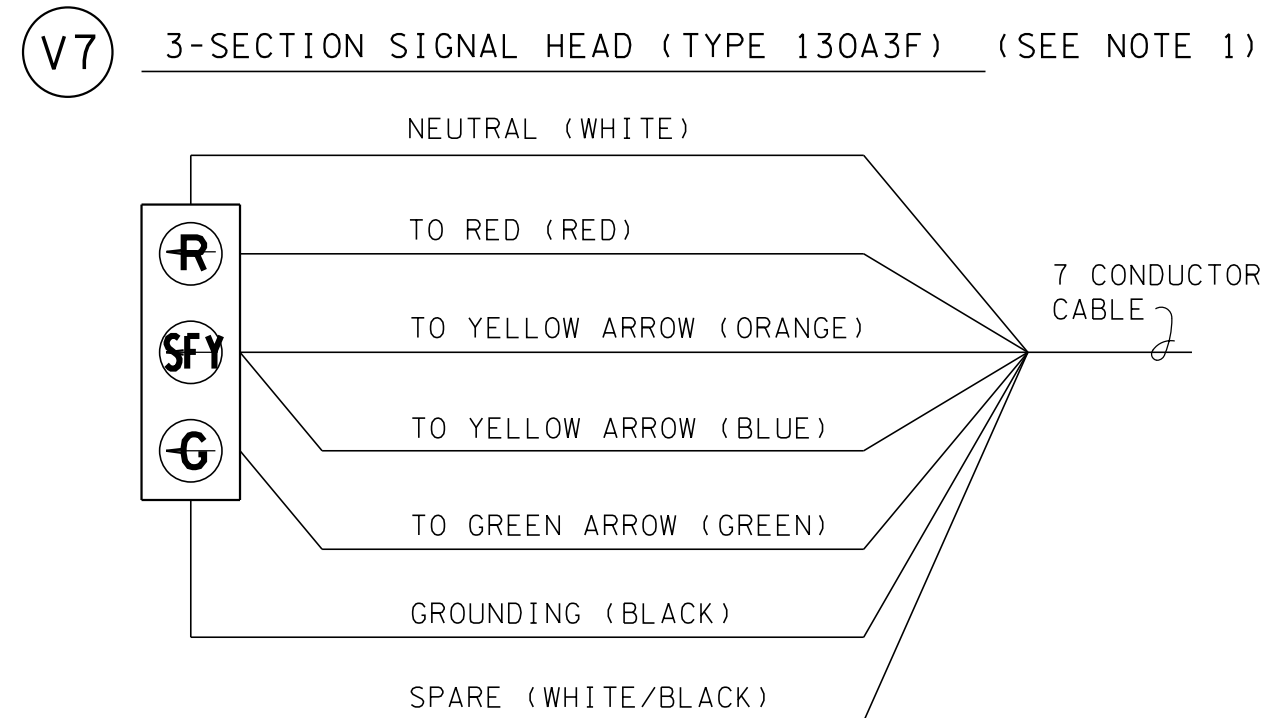
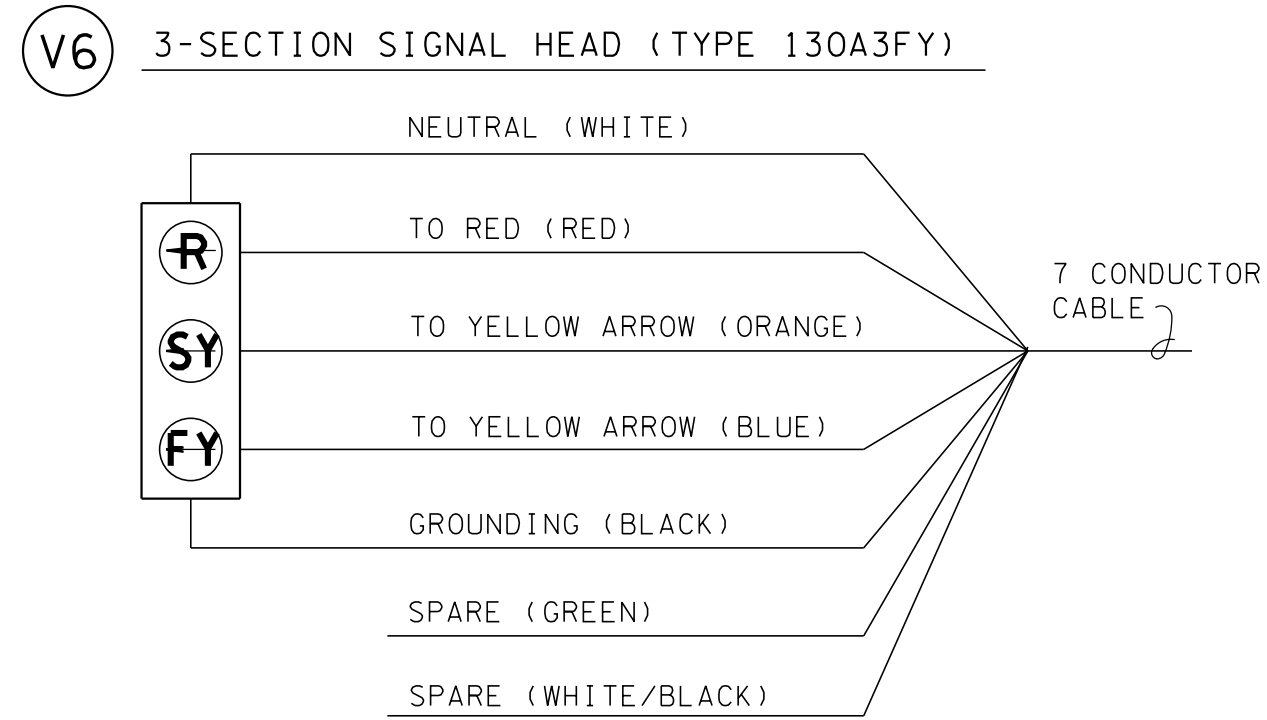
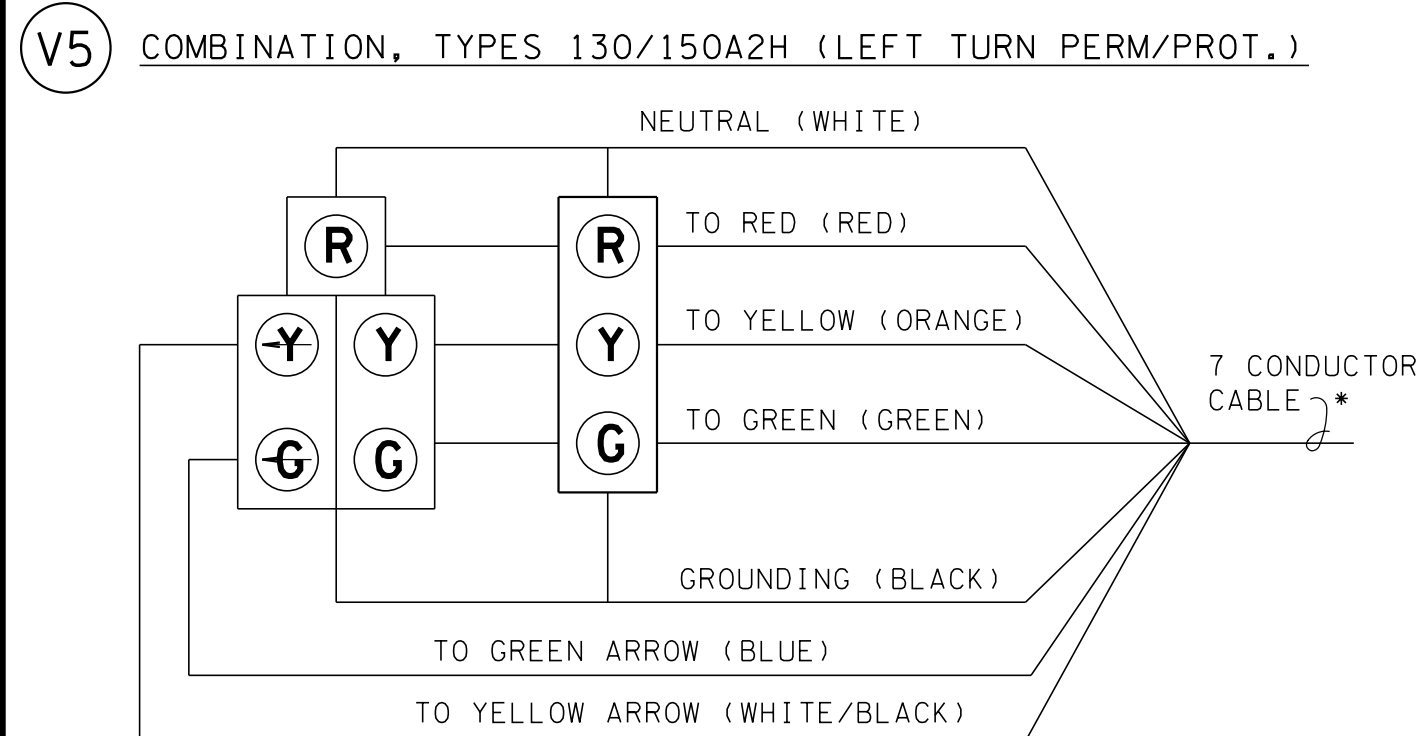
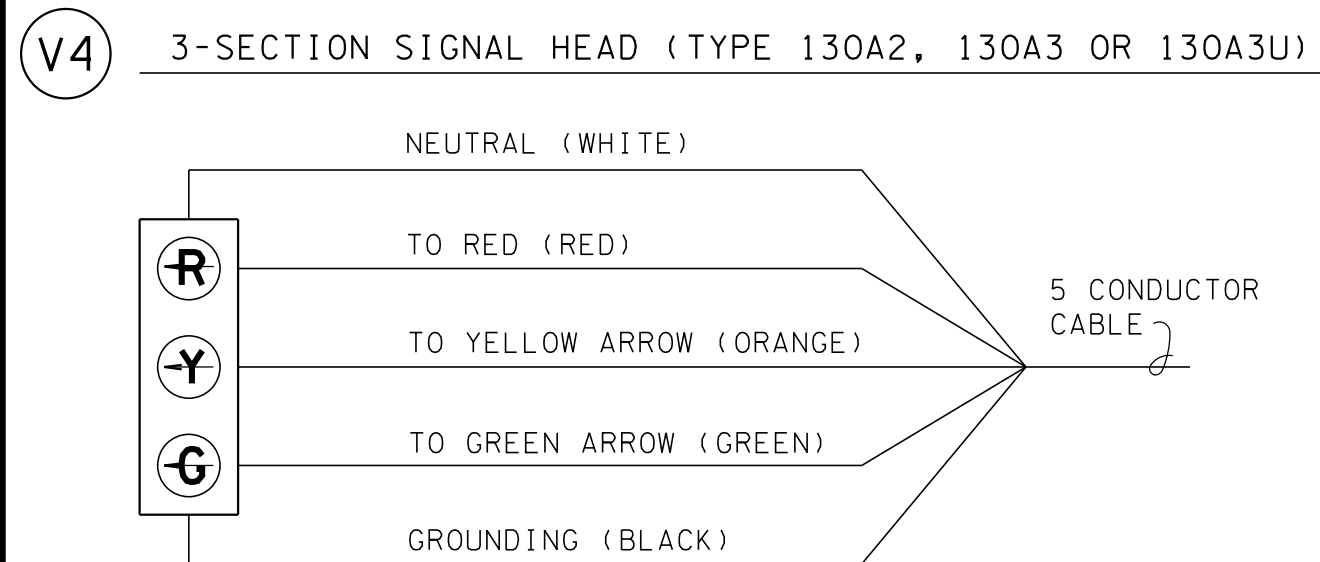
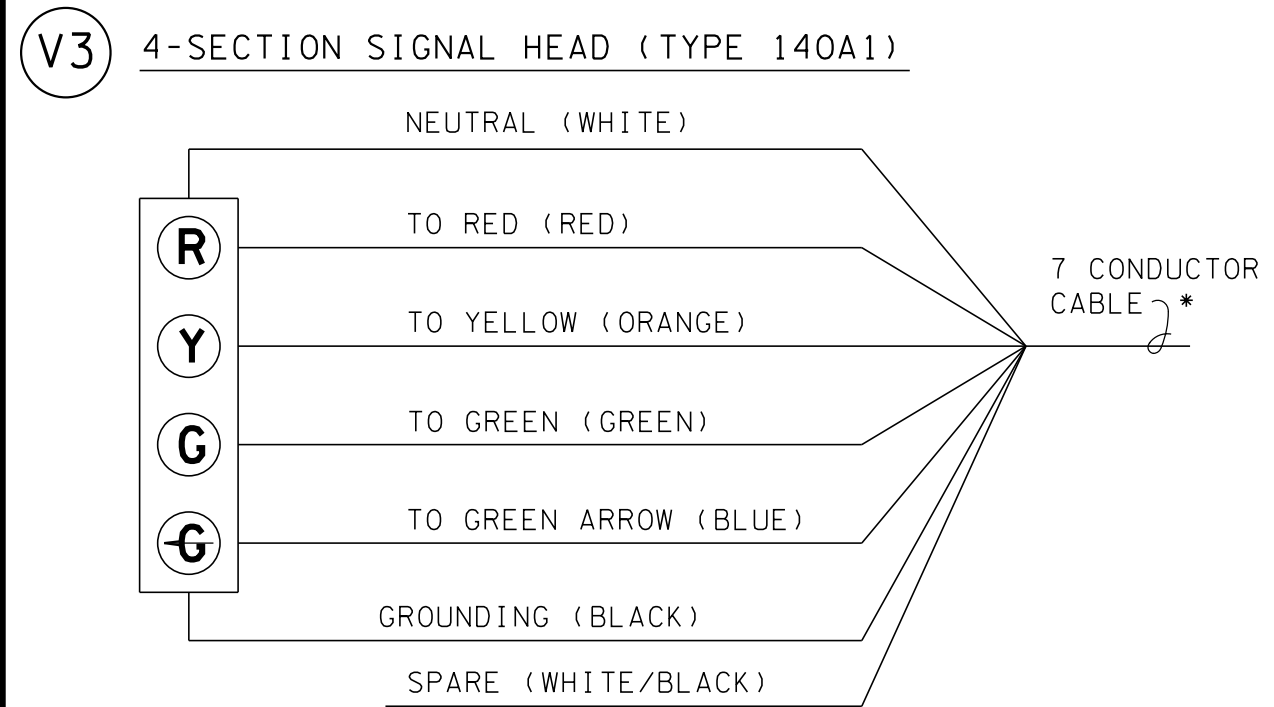
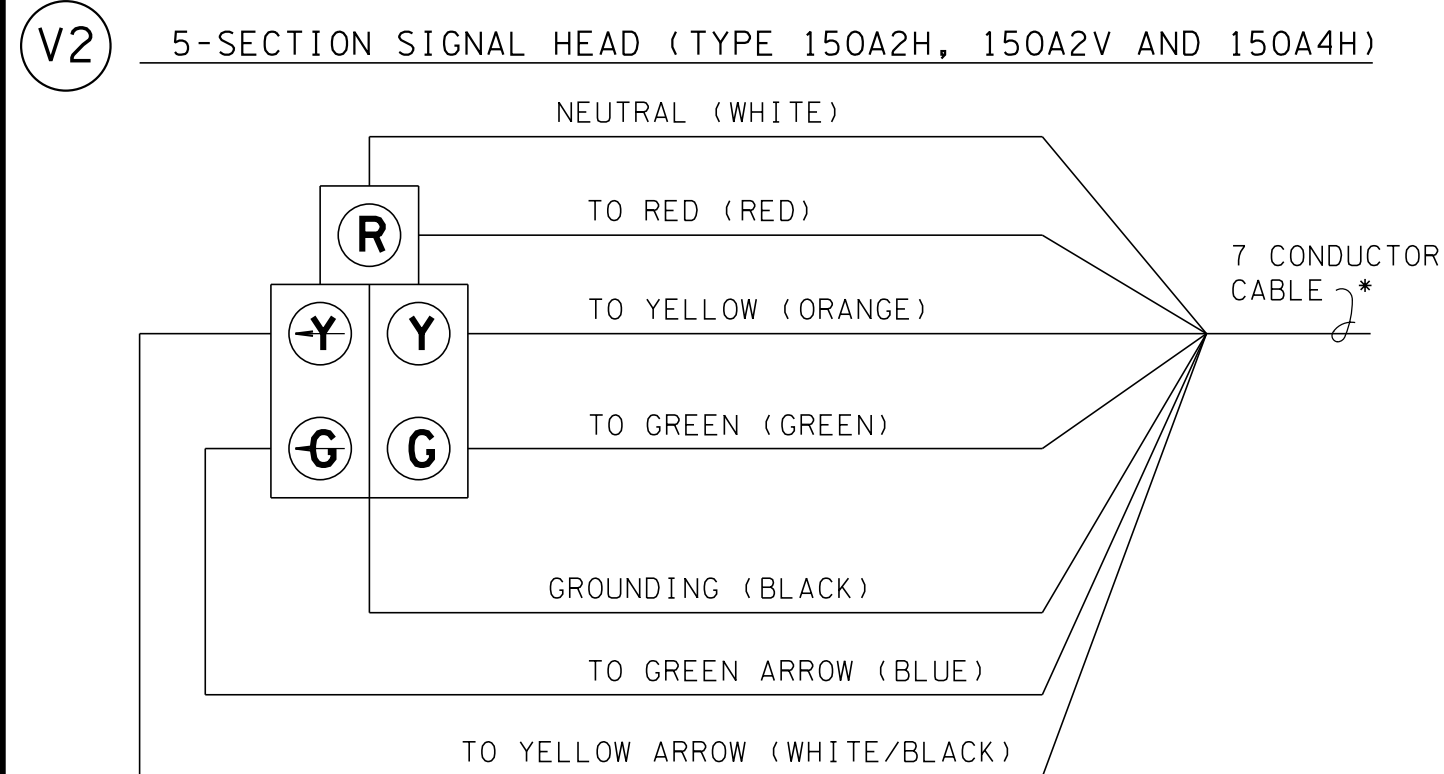
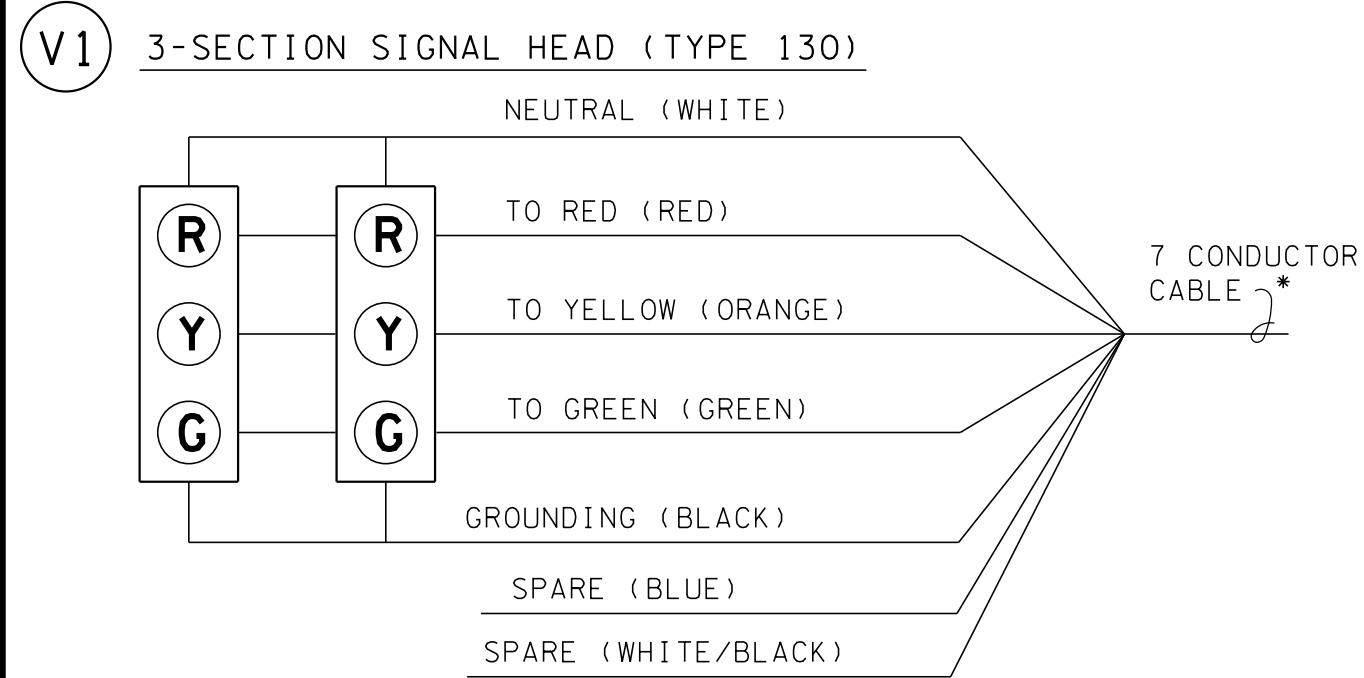
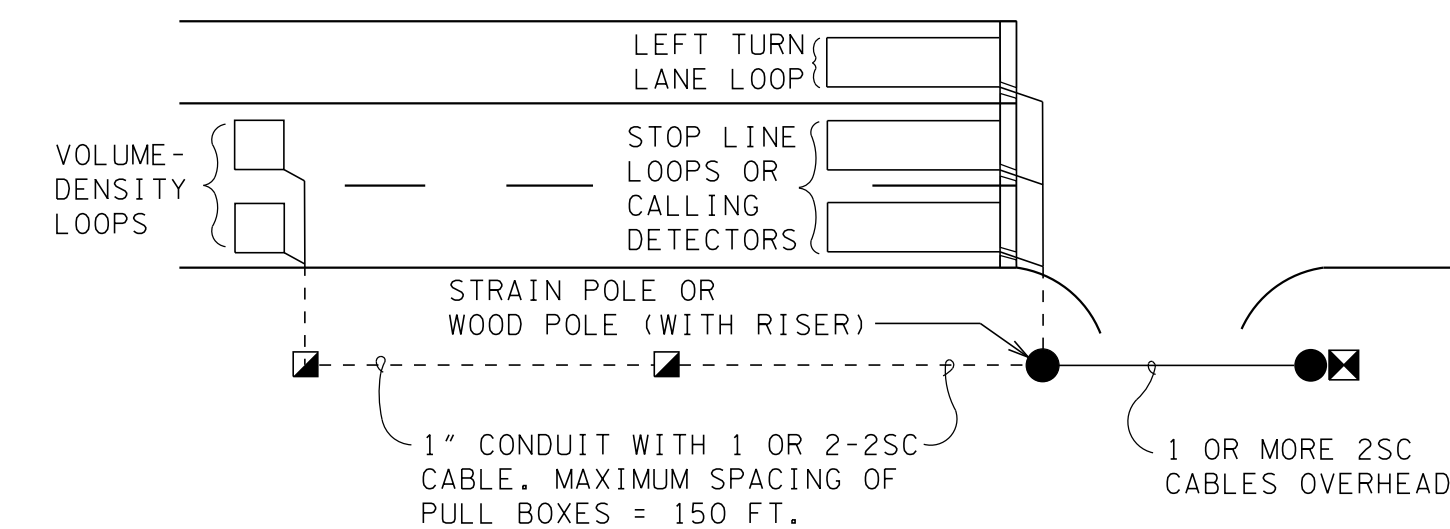
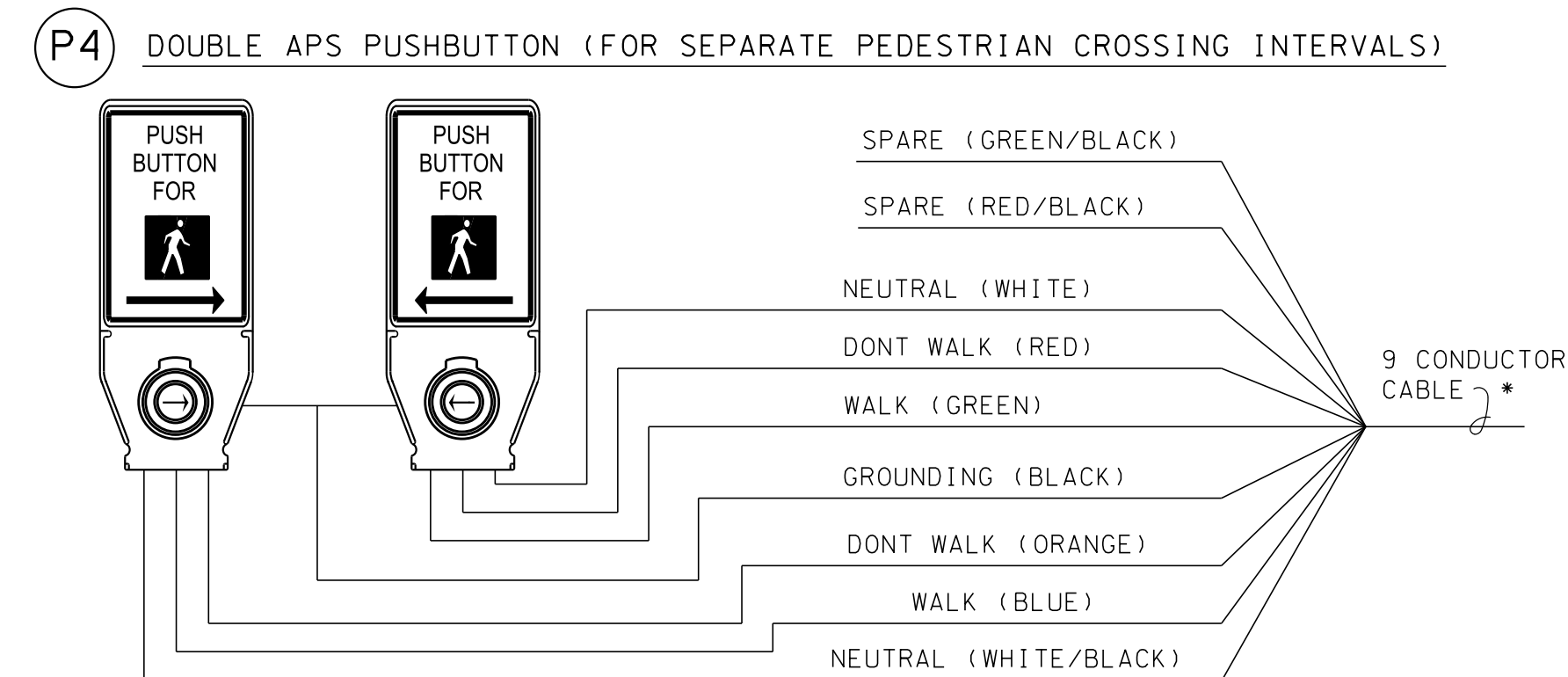
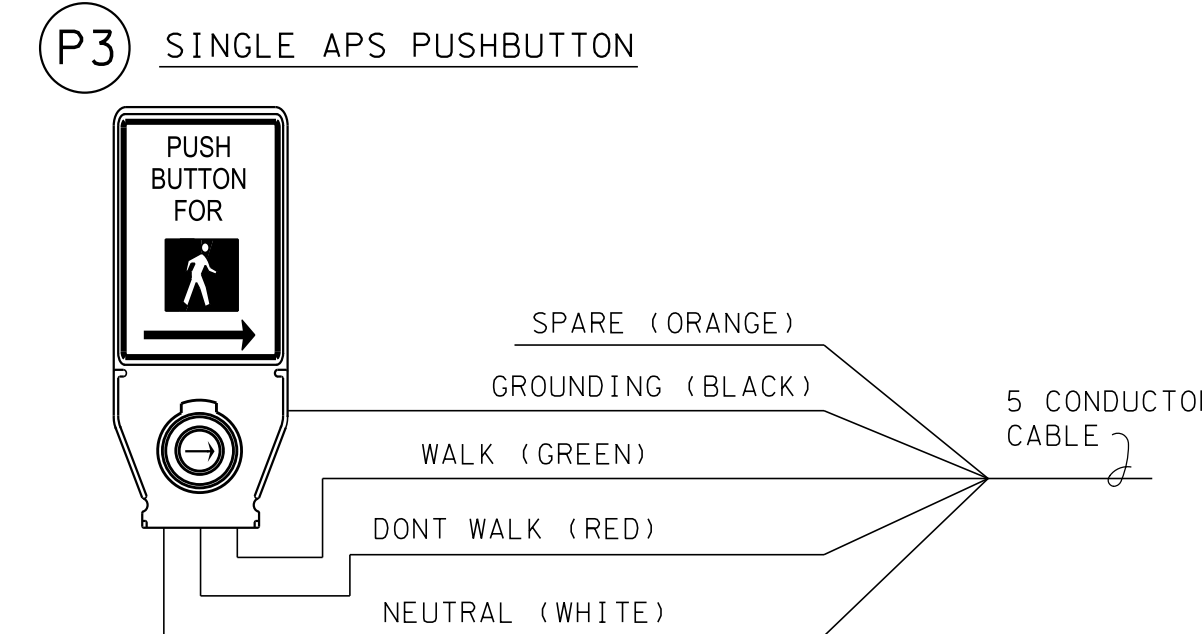
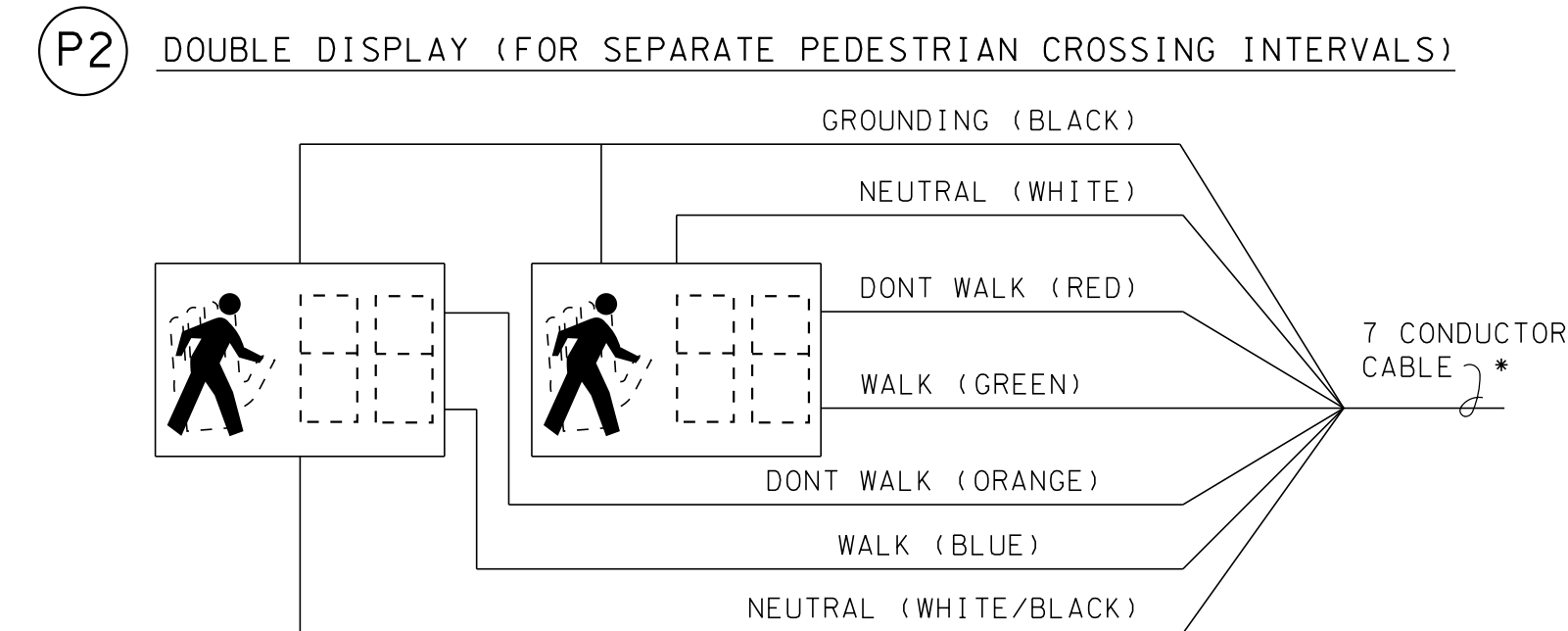
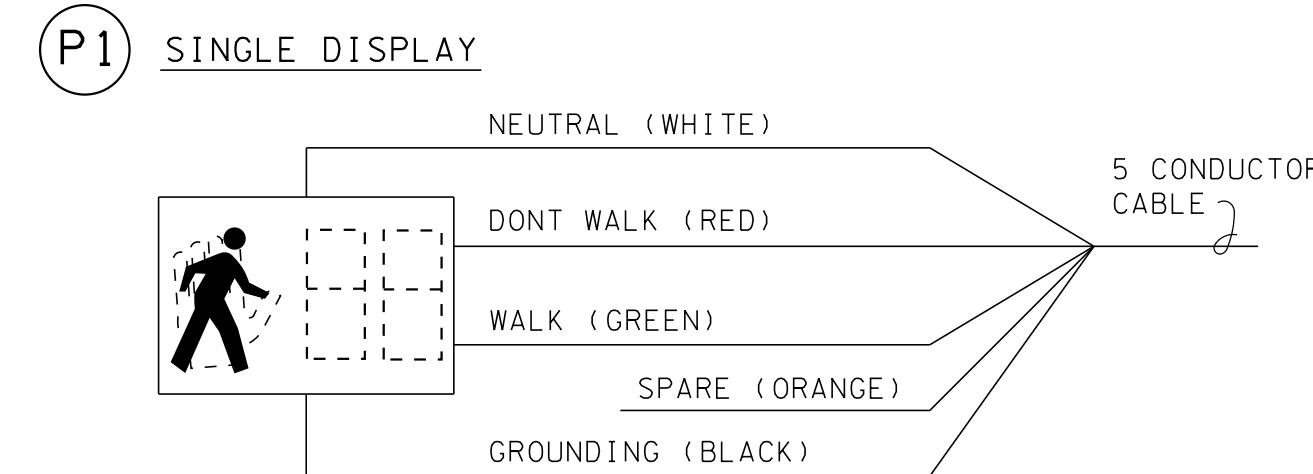


VEHICLE SIGNAL HEAD WIRING



PEDESTRIAN SIGNAL HEAD & PUSHBUTTON WIRING

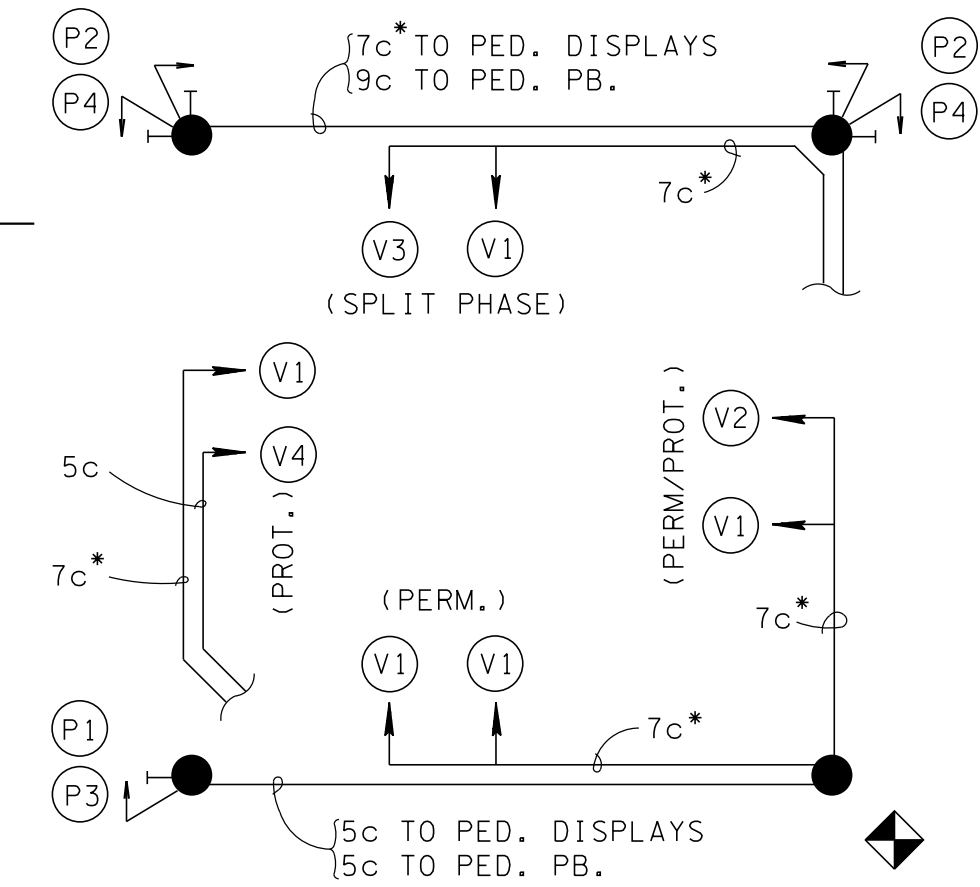


TYPICAL LOOP WIRING

NOTE: ANY OR ALL OF THE LOOPS DEPICTED MAY BE PROPOSED.

LEGEND

- ☒ CONTROLLER
- ☑ PULL BOX
- POLE FOR SIGNAL SUPPORT



- ☐ REV. 6-13-95: CHANGED 8 CONDUCTOR TO 9 CONDUCTOR CABLE.
- REV. 12-16-03: CHANGE 3-SECTION AND 5-SECTION HEADS TO 7 CONDUCTOR CABLE.
- REV. 7-29-04: MODIFIED DETAILS (V1), (V2), (V5), (P1), AND (P2). MODIFIED TYPICAL LOOP NUMBER-4 PHASE AND TYPICAL LOOP NUMBERING-8 PHASE DETAILS.
- REV. 11-1-11: REVISED TYPICAL WIRING SCHEMATIC. ADDED 150 A4H TO (V2). DELETED THE WORDS LEFT TURN FROM (V4).
- REV. 6-27-16: ADDED WIRING DETAILS FOR FLASHING BEACON AND THREE AND FOUR SECTION FLASHING YELLOW ARROW SIGNAL HEADS. ADDED 130A3U TO (V4) WIRING DETAIL. CHANGED ALL PEDESTRIAN SIGNAL HEADS TO COUNTDOWN. CHANGED MAXIMUM PULL BOX SPACING TO 150'. DELETED TYPICAL LOOP NUMBER-4 PHASE DETAIL.
- ☐ REV. 7-12-17: MOVED NEMA 8 PHASE DIAGRAM AND TYPICAL LOOP NUMBERING-8 PHASE NOTE TO T-SG-9A. V7, V8, V9 RENAMED V8, V9, V10 RESPECTIVELY. ADDED NEW V7. ADDED NOTE 1.
- ☐ REV. 12-20-19: CHANGED ALL PEDESTRIAN PUSHBUTTONS TO APS PUSHBUTTON DESIGN WITH UPDATED WIRING DETAILS. CHANGED "*" NOTE TO "9c OR 12c MAY BE USED". CHANGED "Y" LENSES ON (V6) SIGNAL HEAD TO "SY" & "FY" AND CHANGED "130A3F" ON TITLE DESCRIPTION TO "130A3FY". CHANGED "Y" LENSES ON (V7) SIGNAL HEAD TO "SFY". CHANGED "Y" LENS ON (V8) SIGNAL HEAD TO "SY" & "FY". ADDED GROUNDING WIRE TO ALL WIRING DETAILS.

NOTE 1: THIS TRAFFIC SIGNAL HEAD CAN ONLY BE USED THROUGH INTERIM APPROVAL 17 (1A-17) OPTIONAL USE OF THREE-SECTION FLASHING YELLOW ARROW SIGNAL FACE. CONTACT TDOT'S STATE TRAFFIC ENGINEER TO REQUEST PERMISSION AND OBTAIN APPROVAL TO UTILIZE THIS TRAFFIC SIGNAL HEAD.

☐ MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS

2-14-92 T-SG-12

* 9c OR 12c MAY BE USED