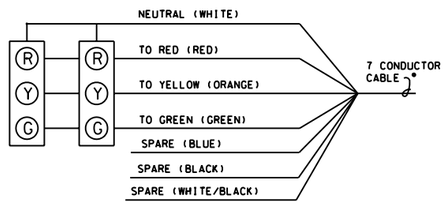
REV. 11-1-95: CHANGED TO METRIC

REV. 12-16-03: CHANGE 3-SECTION AND 5-SECTION HEADS TO 7 CONDUCTOR CABLE.

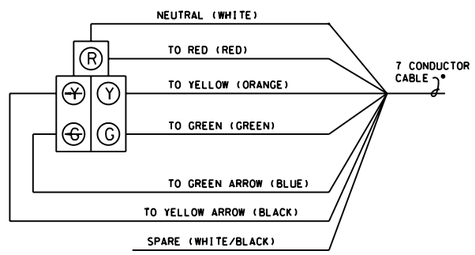
REV. 7-29-04: MODIFIED DETAILS V1, V2, V5, P1, AND P2. MODIFIED TYPICAL LOOP NUMBER-4 PHASE AND TYPICAL LOOP NUMBERING-8 PHASE DETAILS.

VEHICLE SIGNAL HEAD WIRING

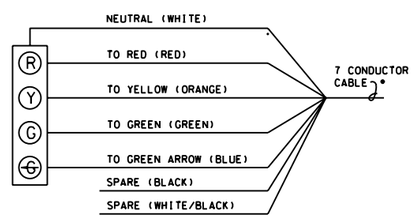
V1 3-SECTION SIGNAL HEAD (TYPE 130)



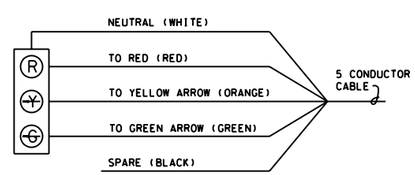
V2 5-SECTION SIGNAL HEAD (TYPE 150 A2H OR 150 A2V)



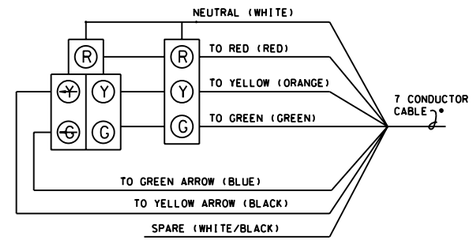
V3 4-SECTION SIGNAL HEAD (TYPE 140A1)



V4 3-SECTION SIGNAL HEAD (LEFT TURN-TYPE 130A2 OR 130A3)

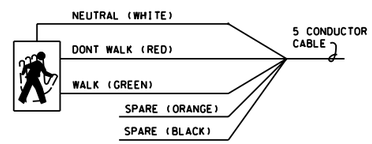


V5 COMBINATION, TYPES 130/150A2H (LEFT TURN PERM/PROT.)

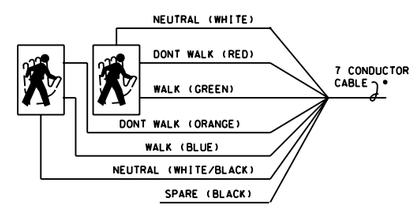


PEDESTRIAN SIGNAL HEAD & PUSHBUTTON WIRING

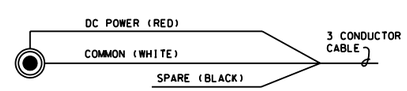
P1 SINGLE DISPLAY



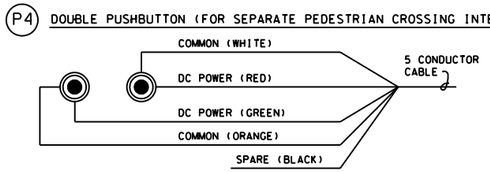
P2 DOUBLE DISPLAY (FOR SEPARATE PEDESTRIAN CROSSING INTERVALS)



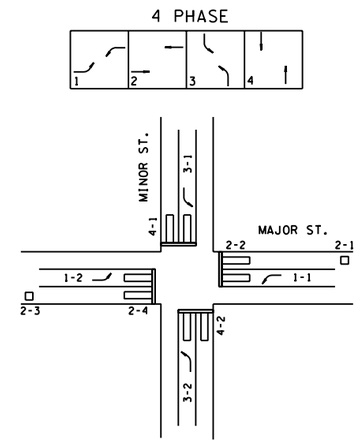
P3 SINGLE PUSHBUTTON



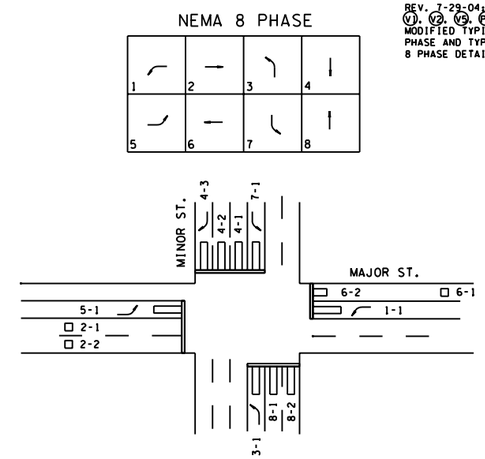
P4 DOUBLE PUSHBUTTON (FOR SEPARATE PEDESTRIAN CROSSING INTERVALS)



* 8c OR 9c MAY BE USED



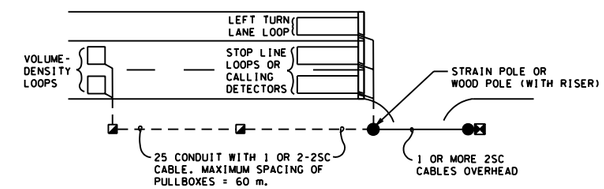
TYPICAL LOOP NUMBER-4 PHASE



TYPICAL LOOP NUMBERING-8 PHASE

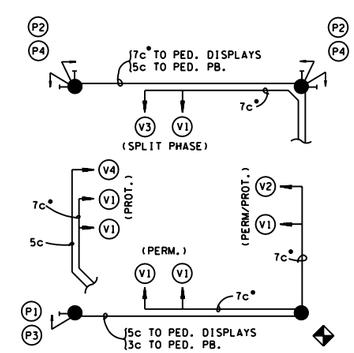
NOTE: WIRING SHALL BE LABELED TO CORRESPOND WITH THE APPROPRIATE LOOP(S).

1. LABEL LOOP LEAD-INS IN PULLBOX OR POLE BASE.
2. LABEL SHIELDED DETECTOR CABLE IN CONTROLLER.
3. LABEL DETECTOR UNITS AND HARNESSES IN CONTROLLER.



TYPICAL LOOP WIRING

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



TYPICAL WIRING SCHEMATIC

(DEPICTING VARIOUS LEFT TURN TREATMENTS)

LEGEND
CONTROLLER
PULL BOX
POLE FOR SIGNAL SUPPORT

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS

11-1-95 | TM-SG-12

11/16/2004
$$$$DGNSPEC$$$$