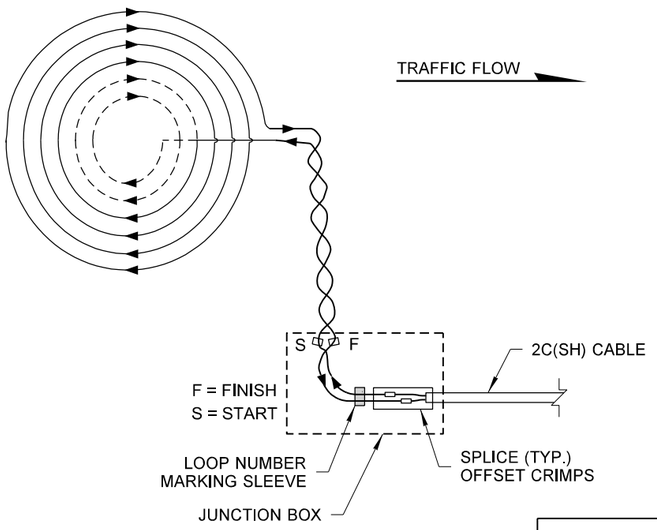
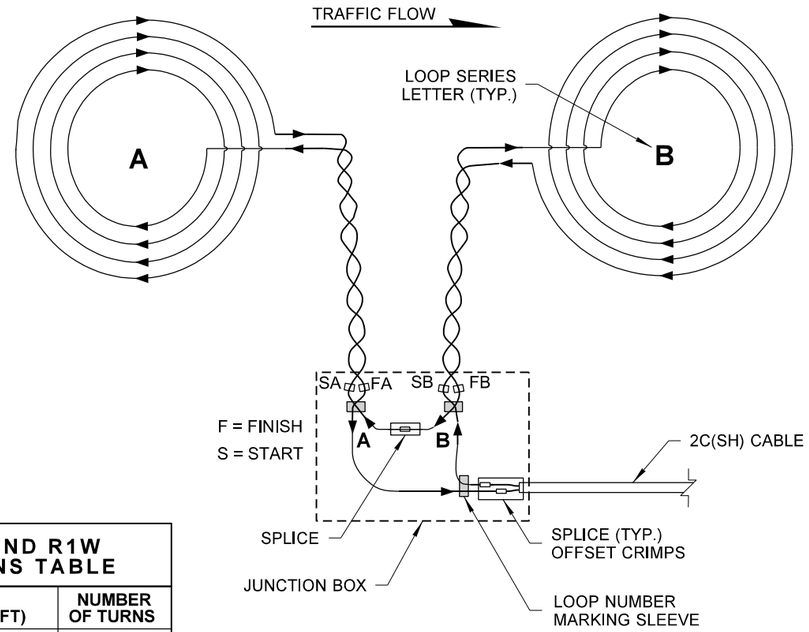


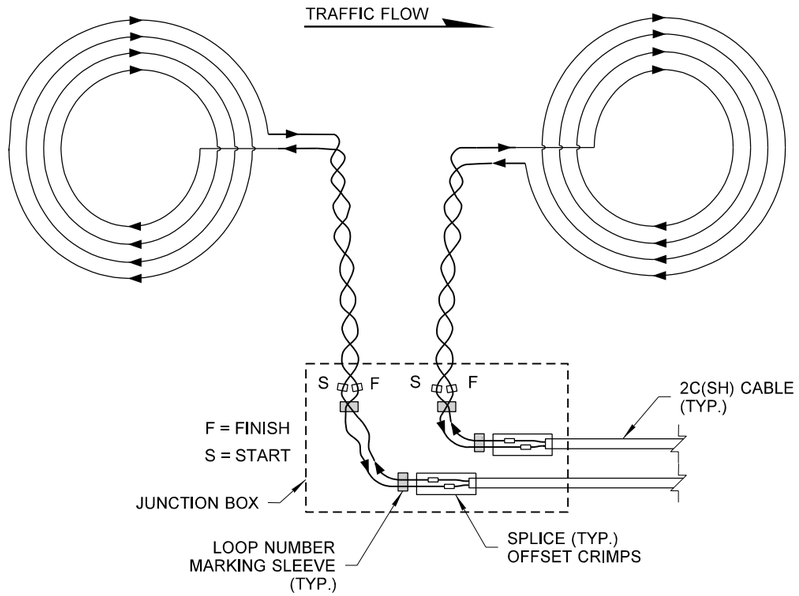
TYPE R1 AND R1W
LOOP WIRING DIAGRAM

TYPE R1 AND R1W LOOP TURNS TABLE	
WIRE LENGTH CABINET TO LOOP (FT)	NUMBER OF TURNS
0 - 400	4
401 - 600	5
601 +	6

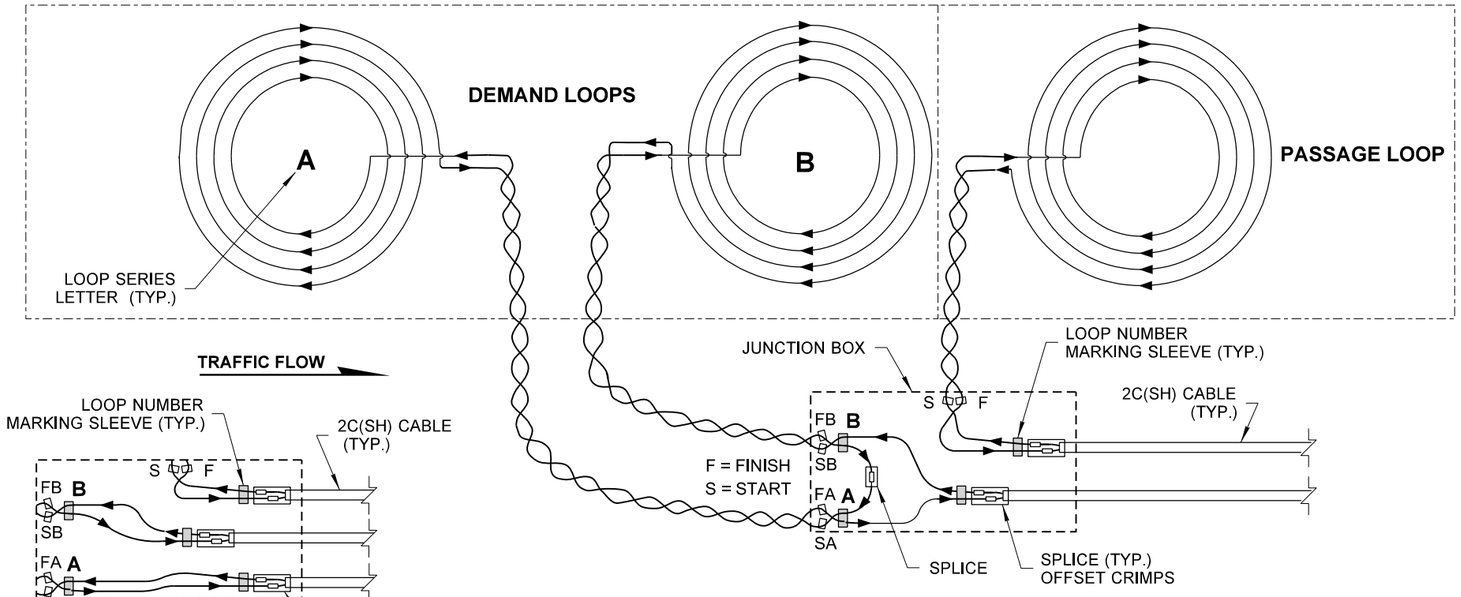


TYPE R2 AND R1WA
LOOP WIRING DIAGRAM

TYPE R2 LAYOUT SHOWN



TYPE R1S
SPEED LOOP WIRING DIAGRAM



TYPE R3S ALTERNATE SPLICING DETAIL
(SEE NOTE 5)

TYPE R3S LOOP ARRAY WIRING DIAGRAM

NOTES

1. The number of loop turns for **Type R1 and Type R1W** loops vary depending on the wire length from the cabinet to the center of the loop. See table for number of turns.
2. All loop lead in wires shall return to the junction box.
3. Cable identification sleeves shall be verified before splices are installed.
4. Detector Loop Wire shall meet the requirements of **Standard Specification Section 9-29.3(2)F** unless otherwise required by the Contract.
5. Where the **Type R3S Alternate Splicing Detail** is used, the Loop Number Marking Sleeves for the Demand Loops shall use the same Loop ID Numbers, but include the suffix "**A**" or "**B**", as applicable.

Jackson, Flint
Jul 31 2019 4:15 PM
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METERING AND DATA INDUCTION LOOP WIRING DETAILS

STANDARD PLAN J-50.19-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
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STATE DESIGN ENGINEER

Washington State Department of Transportation