1. Junction Box shall be constructed of 12-gage, Type 304 stainless steel with weld steel seam construction. Finish shall be # 28 for backbox and # 4 for the cover. Mounting Tabs shall be constructed of 12-gage, Type 304 stainless steel.

2. Holes for conduit(s) shall be field drilled or punched in the box ends. See Section B.

3. Fittings shall be UL listed and CSA-certified concrete tight on the outside of the Junction Box conduit connection. Use an insulated, grounded end bushing on the inside for GRS conduit. Use a sealing lock nut and a rigid PVC conduit bushing on the inside for PVC conduit.

4. The System Identification letters shall be 1/8" line thickness formed by engraving, stamping, or with a stainless steel weld bead. See Standard Specification 9.29.24) for details.

5. Liberally coat the threads of the cover fasteners with anti-seize compound during construction and before final closure.

6. Junction Box shall only be used in barriers with stationary forms. If Slip-Form Traffic Barrier is required, use Conduit shown in the Alternative PVC Conduit detail.

7. Conduit Capacity = 8" (4") per end.

8. Conduits shall only enter Junction Box from ends as shown.

9. When converting RMC to PVC in Stationary-Form Barriers, route a # 8 Stranded, Non-insulated Grounding Conductor along Conduit, secure Conductor to Conduit with clamp as shown on Conduit Deflection Fitting "B" detail, convert RMC to PVC in Stationary-Form Barrier (per Standard Plan J-60.11); omit Conduit when this detail is not used.

NOTES