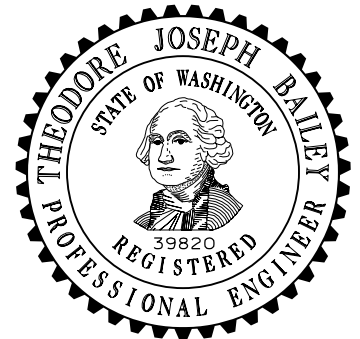


NOTES

1. This Junction Box type shall not be surface mounted. For Surface-Mounted Junction Boxes, see **Standard Plans J-40.38 and J-40.39.**
2. Nema 4X Non-Adjustable Junction Boxes must be used in barriers with stationary forms. Nema 3R Adjustable Junction Boxes must be used in barriers with slip forms.
3. Conduits shall enter the Junction Box from the ends as shown.
4. Conduit capacity = 8".
5. Holes for conduit(s) shall be field drilled or punched in box ends. See **END VIEW.**
6. Fittings shall be UL listed and CSA-certified concrete tight on the outside of the Junction Box conduit connection. A sealing lock-nut must be used on the inside of the junction box. GRS conduit shall be terminated with an insulated Grounded End Bushing. PVC conduit shall be terminated with a rigid PVC Conduit End Bushing.
7. Liberally coat the threads of the cover fasteners with anti-seize compound during construction and before final closure.
8. 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 Conductor when this detail is not used.
9. When additional Conduits are required, Bonding and Grounding wiring shall match configuration as shown in the perspective view. See Contract for number and size of additional Conduits.
10. Adjustable Box Equipment Bonding Jumper shall be # 8 AWG (min.) x 1 foot of tinned, braided copper. For Nema 3R Adjustable Boxes Only.
11. Apply a 3/16" bead of silicone caulk around Junction Box body and Adjustable Face to provide a proper seal prior to installation. For Nema 3R Adjustable Boxes Only.

- ① Equipment Grounding Conductor
- ② Copper Solderless Crimp Connector
- ③ Equipment Bonding Jumper ~ See note 10
- ④ Equipment Bonding Jumper
- ⑤ See Contract for conduit size and number
- ⑥ # 8 AWG Stranded, Non-insulated Grounding Conductor ~ See **Note 8**



**NEMA 3R AND 4X
FLUSH-MOUNT
JUNCTION BOX - GROUNDING
STANDARD PLAN J-45.36-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

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