**MONOTUBE CANTILEVER STRUCTURAL DETAILS 2**

20 TOTAL (OUTER SET) - 7/8" SPLICE BOLT FOR CANTILEVER SPAN LESS THAN 20'-0"  
28 TOTAL (OUTER AND INNER SET) - 1¼" SPLICE BOLT FOR CANTILEVER SPAN 20'-0" TO 35'-0"

- **2D HANDHOLE**
  - 6" x 11" HANDHOLE
  - 6" SQUARE HOLE WITH 3/8" RADIUS CENTERED THRU SPLICE PLATE (TYP.)
  - 3¾" COVER PLATE (TYP.)
  - 1½" COVER SCREW (TYP.) EQUALLY SPACED AROUND HANDHOLE.
  - 6 SCREWS FOR 6" x 11" HANDHOLE.
  - 4 SCREWS FOR 6"Ø HANDHOLE.

- **2D POST OR BEAM**
  - 9" SQUARE HOLE WITH 3" RADIUS CENTERED THRU SPLICE PLATE (TYP.)
  - CLIP SPLICE AT RADIUS (TYP.)
  - 1½" HOLE FOR 1"Ø BOLT (TYP.)

- **2D INNER SET OF BOLTS FOR CANTILEVER SPAN 20'-0" TO 35'-0" ONLY**
  - SPLICE BOLT (TYP.)

- **½" MAX. ALLOWABLE OFFSET**
  - SEAL WITH APPROVED SEALANT AT INSTALLATION OF HANDHOLES ON TOP OF BEAM ONLY.

- **REINFORCEMENT RING**
  - ½" THICK x ¾" NEOPRENE HANDHOLE GASKET (TYP.) EXCEPT AT BOTTOM OF BEAM.

- **BOLTED SPLICE**
  - SEE DETAIL 4

**Last revised on:**
4/26/16