**Preheat per AWS requirements**

1. **POST TO BASE PLATE WELDING**
   - ½" Gusset Plate
   - 1½" x ½" Backing ring
   - Post Wall
   - ½" Max Short leg

2. **GUSSET PLATE WELDING**
   - ½" Gusset Plate
   - To Base Plate
   - To Post Wall

3. **HAND HOLE & COVER DETAILS**
   - ¾" Cap Plate
   - ½" J-Hook cable hangers (Typ)
   - 24" Post
   - 8 ga. Cover
   - 4-1½" NPS couplings for wiring (Typ)

4. **GUSSET PLATE DETAIL**
   - ½" Gusset Plate
   - 24" Post
   - 1½" Cap Plate
   - ½" J-Hook cable hangers

5. **CAP PLATE DETAIL**
   - Cover Plate - 6" x 16" with ½" Cap Screws
   - Total of 4 Placed as shown
   - Provide Neoprene Gasket Cemented to ½" Plate

6. **POST CAP PLATE SECTION DETAIL**
   - 1½" x 1½" x 1½" x ½" E
   - Post NPS couplers not shown for clarity

**INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION**

**ARIZONA DEPARTMENT OF TRANSPORTATION**

**BRIDGE GROUP STANDARD DRAWING**

**DRAWING NO. SD 9.60**

**BUTTERFLY**

**DYNAMIC MESSAGE SIGN**

**A. ALZUBI**

**D. EBERHART**

**MISCELLANEOUS DETAILS**

- Post to base plate welding
- Hand hole & cover details
- Gusset plate detail
- Cap plate detail
- Post cap plate section detail

For location of Gusset Plates, see SD 9.60 2 of 5.