**Typical Installation of Waterproof Submersible Transformer in Precast Pull Box**

- **Plan**
  - Concrete returning wall: See note 1.
  - Conduit size: as shown on plan.
  - 6/34" stranded copper wire.
  - 3/4" bare stranded copper wire.

- **Section A**
  - 5/8" copper clad ground rod with grounding wire clamps as required.
  - Adhesive double expansion sleeve on each bolt.

- **Detail**
  - Wall of 6" thick concrete returning wall.
  - Inside wall of box.
  - Type 316 stainless steel, 1/8" O.D. with head machine bolt (length as required).
  - Two required for transformers, each fastened with a stainless steel, stainless-steel,振奋-proof washer.

**Precast Pull Box Notes:**

1. Pull boxes which enclose waterproof submersible transformers shall be Type 316 stainless steel, 1/8" O.D. with head machine bolt (length as required) two required for transformers, each fastened with a stainless steel, stainless-steel, water-proof washer.
2. Provide bonding jumper (3 long, minimum, #4 wire steel covers) to be bonded to conduit.
3. Pull boxes shall be Type B with extensions for not more than 2 transformers.

**Basement Pull Box Notes:**

1. Basement pull box shall be 2-1/2" long galvanized metal box with double expansion sleeves.
2. The cover shall be 1/4" thick steel and shall be attached to the box with 1/4" round head machine screws and nuts.
3. The pull box and cover shall be hit-off galvanized after fabrication.
4. A neoprene gasket shall be provided between cover and pull box.
5. All screws, bolts, nuts and washers shall be Type 316 stainless steel.

**Basement Pull Box and Cover**

- Use plain-head bolts for sun covers.

---

**Legal Note:**

This standard plan was developed for use on public utilities commission projects in the City and County of San Francisco, and shall not be used without consulting a registered professional engineer. Service/Power reserves the right to make revisions to this standard plan at anytime.