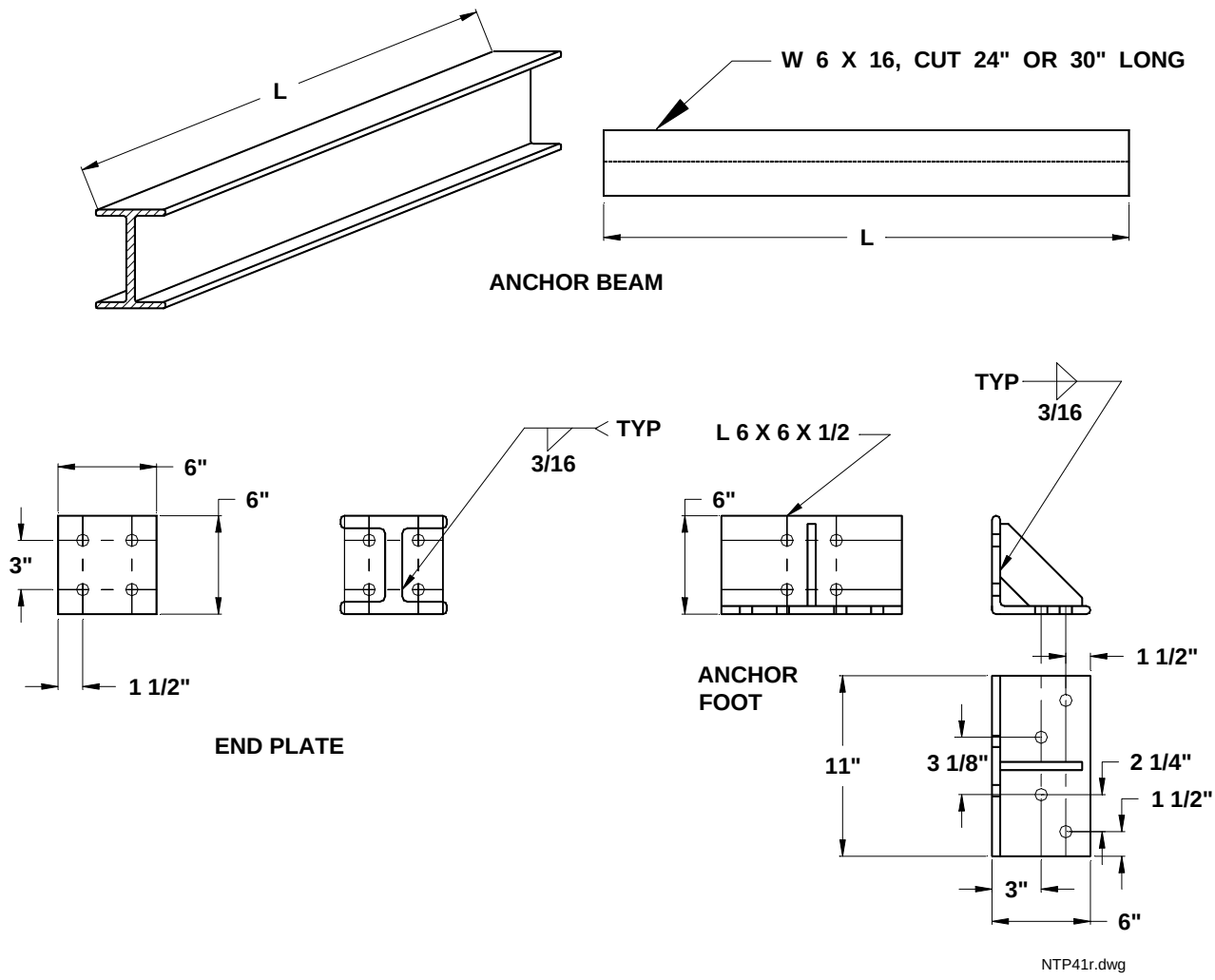
SEATTLE CITY LIGHT

CONSTRUCTION GUIDELINE

STANDARD NUMBER: **NTP-41**
PAGE: 1 of 2
DATE: January 25, 2000
REV: NEW

SEISMIC ANCHORING FOR OIL FILLED SPECIALTY TRANSFORMERS



NOTES:

1. **Anchor Beam Sizing:** Cut W 6" x 16", A36 steel beams 24" long for circular transformers or 30" long for rectangular transformers.
2. **End Plate Fabrication:** Cut ½" A36 steel plate and drill ¾" ∅ holes using dimensions shown.
3. **Anchor Foot Fabrication:** Use L6" x 6" x ½" x 11" with ½" thick gusset, A36 steel. Drill holes in L6 to match end plate.
4. **Rail Assembly:** Weld end plate to end of beam. Paint with one coat of cold galvanizing spray. Bolt feet to end plate using four ½" ∅ x 1-1/2" bolts.

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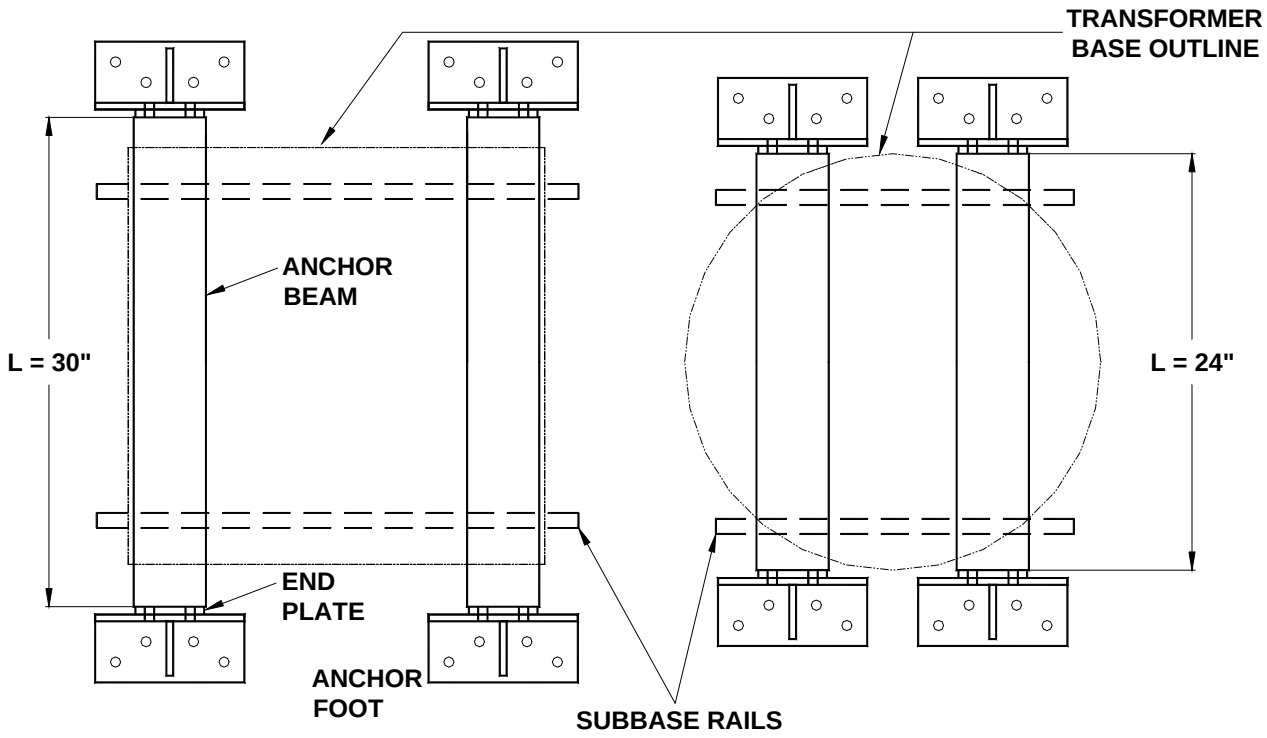

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NOTES:

5. **Installation:** . Place transformer on beam as shown. Weld sub base rails to anchor rails, if necessary. Use 2" x 6" non-galvanized steel shims. Weld rail, shim and beam on outside edge.

   When transformer is to be anchored, bolt feet to beams per note 4. Drill four 17/32" ∅ x 4" holes in the floor per anchor foot. Anchor foot holes can be used as a template for drilling.

   Secure anchor rails to floor with ½" ∅ x 4" anchor bolts.