

Specification

**1.0**    **SCOPE**

This specification covers precast concrete foundations for three-phase pad-mounted transformers rated from 750 kVA to 2500 kVA.

**2.0**    **APPLICABLE PUBLICATIONS AND STANDARDS**

- 2.1.    All materials and workmanship shall conform to ACI-318.
- 2.2.    Reinforcing bars shall conform to ASTM B766, Standard Specification for Electrodeposited Coatings of Cadmium.

**3.0**    **PRODUCT REQUIREMENTS**

- 3.1.    Concrete to have a minimum strength of 5,000 p.s.i. after 28 days. Air entrainment to be 6% ±1%. All exposed edges to have a 3/4" chamfer.
- 3.2.    Reinforcing to be #5 - Grade 60 bars.
- 3.3.    Reinforcing to be placed a minimum of 2" clear from face of concrete.
- 3.4.    All openings shall have additional rebar reinforcement of 1- #5 each corner, mid-depth.
- 3.5.    Lifting anchor shall be installed 6" off each corner with appropriate Dayton Lifting Anchor or equivalent.
- 3.6.    Installation shall be performed in accordance with TDMIS-3800 – Underground Developments.
- 3.7.    Refer to Figure 3-1 for construction and dimensional details.

Three-Phase Pad-Mounted Transformer, 15-kV  
750 to 2500 kVA

Revised 11/2019

Specification

Figure 3-1: Concrete Foundation for Three Phase Transformer

