

Specification

1.0 **SCOPE**

This specification covers precast concrete foundations for three-phase pad-mounted transformers rated from 75 kVA to 500 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
75 to 500 kVA

Revised 11/2019

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Figure 3-1: Concrete Foundation for Three Phase Transformer

