

SPECIFICATION NUMBER ENG 97-17

**SPECIFICATION
FOR
TRANSFORMER PAD
SINGLE PHASE PADMOUNTED TRANSFORMER
42" x 46"**

JULY 3, 1997

**LAKELAND ELECTRIC
ELECTRIC SYSTEM ENGINEERING
LAKELAND, FLORIDA**

SPECIFICATION

1.0 GENERAL DESCRIPTION

- 1.1 Precast reinforced transformer pad for single phase padmounted transformers of all sizes.

2.0 DIMENSIONS

- 2.1 The pad shall be 42 inches wide and 46 inches long. It shall have a window opening of 29 inches wide and 15 inches deep. The pad shall be 4 inches in thickness. The top of the pad shall have a 1 inch X 1 inch bevel around the top edge.

3.0 REINFORCEMENT

- 3.1 The pad shall be reinforced with 5/8 inch reinforcing steel spaced as engineering specification drawing E21PMTXPD1. It shall be centered in the 4 inch thickness dimension. The reinforcing rods shall be welded at all intersections.

4.0 CONCRETE

- 4.1 The concrete shall be of a ready mix design certified by the producer to develop 4000 pounds per square inch strength within 28 days. Certification shall be available for review by City of Lakeland Engineering if requested.

5.0 INSERTS

- 5.1 Two one - half inch anchor inserts shall be installed and dimensioned as per engineering specification drawing E21PMTXPD1. The inserts shall be concrete inserts Star 35T or an equivalent approved by City of Lakeland Engineering.

6.0 IDENTIFICATION

- 6.1 The manufacturers identification shall be cast imprinted and centered in the front sill. The impression shall be on the pad top.