

Transmission & Distribution
Material & Installation Specification

Fiberglass Flat Pad for Single Phase Transformers

I. Quantity

The base bid shall include the indicated number of Fiberglass Flat Pad for Single Phase transformer furnished and installed as hereinafter specified.

II. Material

- A. The material shall be equal in quality, design, performance, and appearance to the items specified on drawing TDMIS-1009.
- B. All steel hardware to be hot dipped galvanized.
- C. Each flat pad shall be fiberglass reinforced polyester laminate and shall provide high tensile and flexural strength.
- D. Pad shall be black in color.
- E. Each pad shall include three, approximately 3 3/8"X3 3/8", drain holes under the area that supports transformer tank within a 1/2" depression in the pads top surface.
- F. Each pad shall be provided with 2 - 1 1/2"X1 1/2" unistruct hold downs to accept transformer hold-down straps. Straps shall also be provided, appropriate length to interface with molded-in inserts.
- G. Each pad shall be provided with an opening sized as shown to allow access of primary and secondary cables and/or conduits, and ground rod.

III. Installation

- A. The installation shall be as shown on drawing TDMIS-1009.

- B. The installation shall include removal of top soil and any organic materials down to subgrade. Subgrade shall be compacted with a motorized compactor to provide a solid level base. Add controlled density fill if required to establish proper pad elevation.
- C. Finished pad shall be installed with the rear (Tank Side) 1/2 bubble higher than the front (Cable / conduit side) to provide for settlement. When installed over a trench, the front side only shall be over the trench. The heavier rear side shall be over undisturbed soil to one side of the trench. Careful placement and positioning is required to accomplish this and remain within the available right of way or easement.

IV. Method of measurement

Shall include a pad and accessories, structural fill, labor, equipment, tools, supervision, and miscellaneous required for a complete and operational assembly.

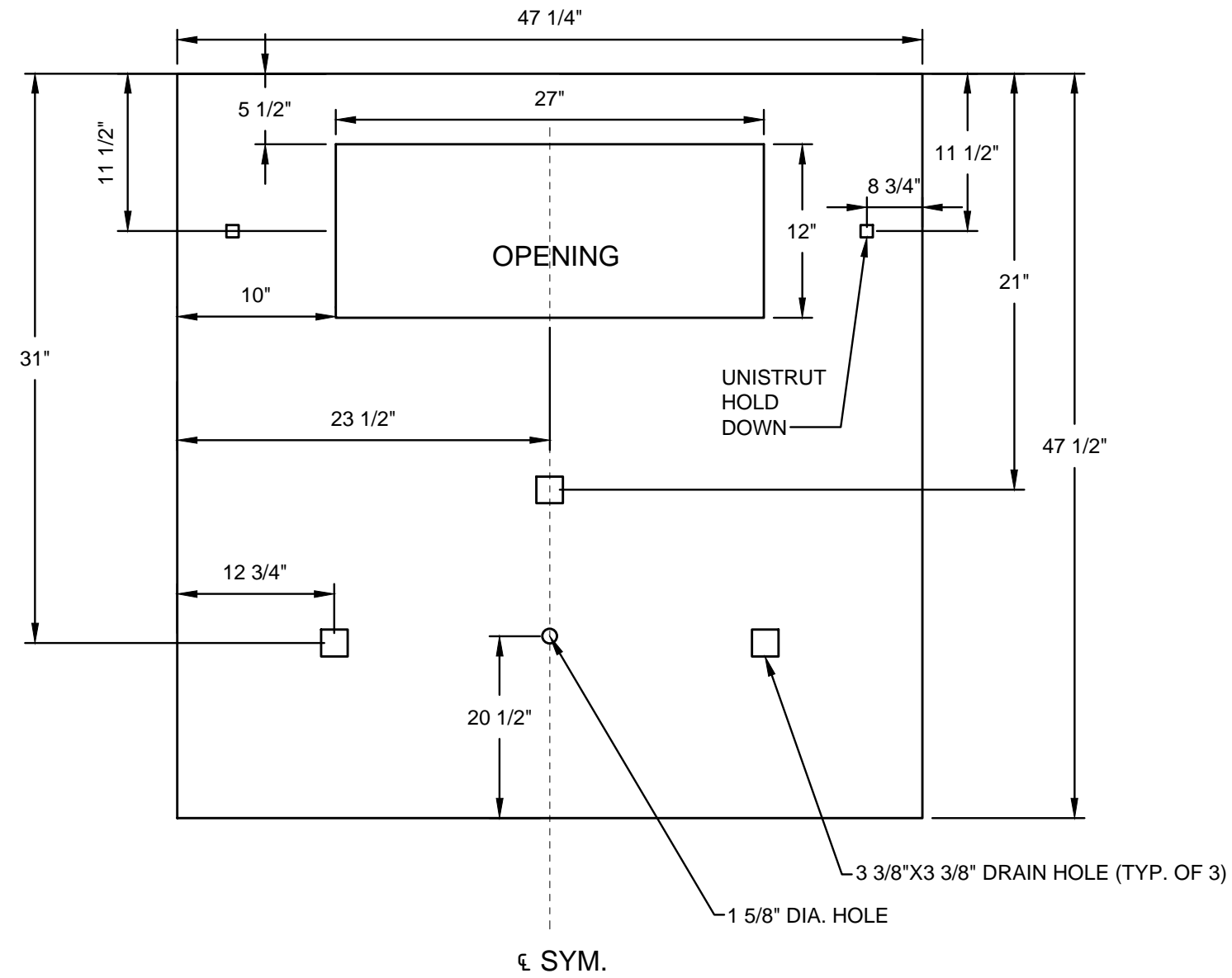
V. Basis of payment

Items	Unit	Description
TDMIS-1009	Each	Fiberglass flat pad for single phase transformers

CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER FIBERGLASS PAD FOR SINGLE PHASE TRANSFORMERS		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-1009
APPROVED: R. SPRITE		
SHEET 1 of 2		

GENERAL NOTES:

1. FIBERGLASS PAD SHALL BE 4" THICK



DETAIL 1
FIBERGLASS FLAT PAD

CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER		
FIBERGLASS FLAT PAD FOR SINGLE PHASE TRANSFORMERS		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-1009
APPROVED: R. SPRITE		
SCALE: NTS	SHEET: 2 OF 2	