

7.2KV SINGLE PHASE
PRIMARY CIRCUIT
#2 COPPER

I. Quantity

The base bid shall include the indicated number of feet of primary circuit, furnished and installed as hereinafter specified. The primary circuit shall include all wire, insulators, crossarms, braces and miscellaneous hardware, furnished and installed and all labor and material required to make the locations indicated for primary circuit suitable for this installation.

II. Material

- a. Wire - The circuit shall consist of two medium hard drawn, #2 AWG, 7 strand copper wires.
- b. Crossarms - The crossarms shall be 10' Douglas fir and shall be specified on DOE Drawing 03S0040, unless otherwise indicated on drawings.
- c. Crossarm Braces - The crossarm braces shall be hot dipped galvanized steel, 1-1/4" x 1/4" x 32", approved equal to Chance 7132.
- d. Insulators - Straight line - The insulators for the straight line poles shall be pin type, Chance C905-1305 or approved equal.
- e. Insulators - Dead End - The insulators for the dead end pole shall be strain type Lapp 6815G-70 or approved equal.
- f. Miscellaneous Hardware - All miscellaneous hardware shall be hot dipped galvanized steel.
- g. Sectionalizing Cutouts - Sectionalizing cutouts shall be Chance C710-213PB or approved equal.
- h. Connectors - Compression type.

11/91
MIS-13

III. Installation

- a. The installation shall be as indicated on drawings and shall be located as shown on the drawings and verified in the field by the engineer.
- b. All construction shall conform to National Electrical Safety Code requirements for Grade B construction in heavy loading districts, 7200/12470Y volts.
- c. All clearance requirements of the National Electrical Safety Code must be observed and any relocation of existing facilities required or indicated for such clearances shall be obtained by the contractor and included in the unit price bid under this item.
- d. Connection to the source of power as indicated on the drawings will be made by the Division of Electricity at no expense to the contractor.

IV. Quotation

The primary circuit (2-single conductors) as hereinbefore specified shall be as a unit price per foot in the appropriate place in this document.

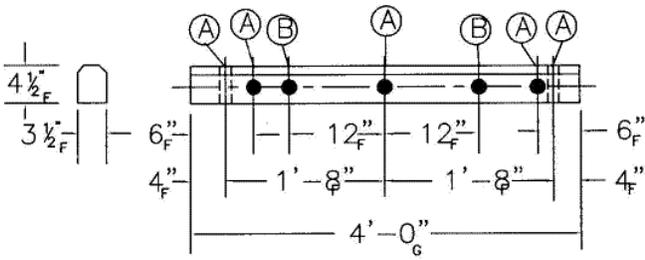


FIG. 1.

TOLERANCES SIZES OF HOLES		
NOMINAL	GO	NO GO
(A)	$\frac{1}{16}$ "	$\frac{5}{8}$ "
(B)	$\frac{7}{16}$ "	$\frac{1}{2}$ "
(C)	$\frac{9}{16}$ "	$\frac{5}{8}$ "

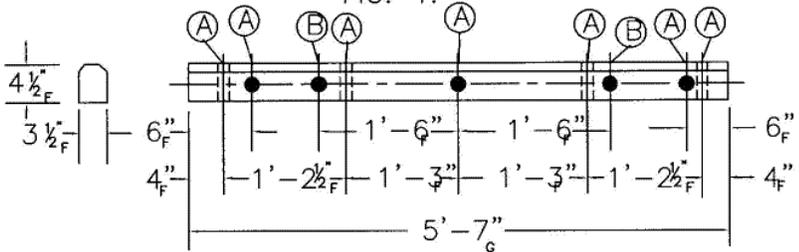
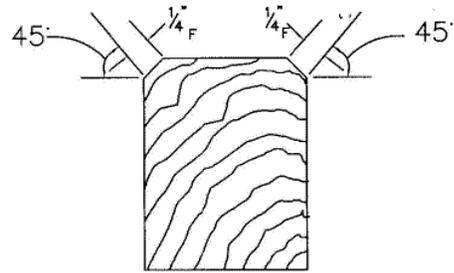


FIG 2.



TYPICAL ENLARGED SECTION OF CROSSARM

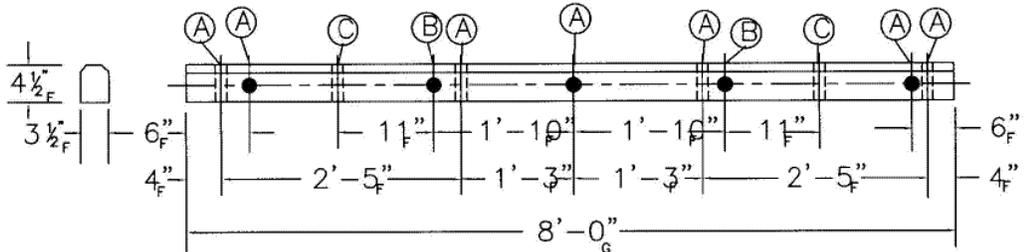


FIG 3.

F ----- $\frac{1}{8}$ " ±
G ----- $\frac{1}{4}$ " ±

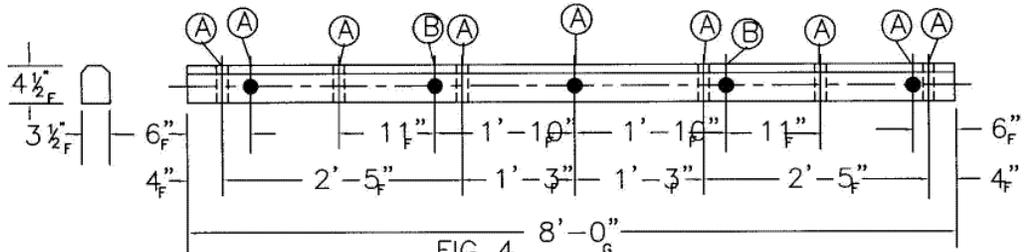


FIG 4.

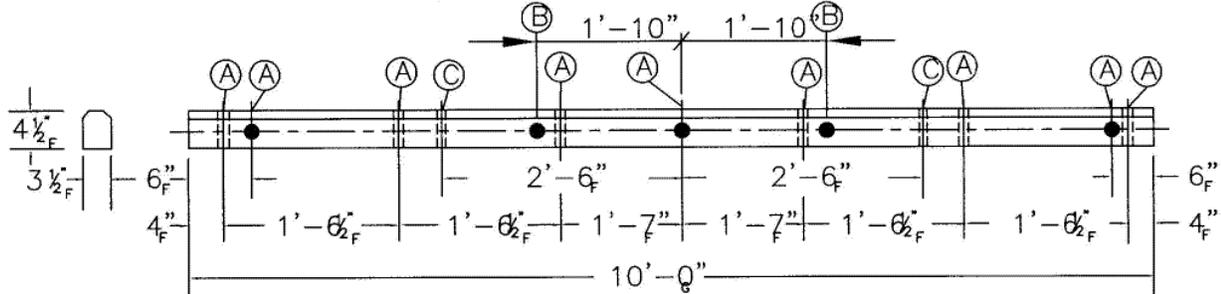


FIG 5.

BA
GP
REVISIONS
11/91
03/2002

MELP MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM
CITY OF COLUMBUS, OHIO
DEPT. OF UTILITIES & AVIATION - DIV. OF ELECTRICITY

CROSSARM DRILLING GUIDE

SCALE NONE DRAWN BA 12/90
C. O. NUMBER APPROVED

DRAWING NO.
03S0040
SHEET OF