

**Transmission & Distribution**  
**Material & Installation Specification**

**Primary Neutral Tangent Assembly**

**V. Basis of payment**

<b>Items</b>	<b>Unit</b>	<b>Description</b>
TDMIS-405	Each	Primary neutral tangent assembly

**I. Quantity**

The base bid shall include the indicated number of Primary Neutral Tangent Assemblies as shown or required, furnished, and installed as hereinafter specified.

**II. Material**

- A. Primary neutral hardware shall consist of a 3" or 4" spool insulator mounted in a galvanized clevis and hand tie appropriate for the size of the neutral conductor.
- B. Connector shall be H-Tap type, copper only, for copper to copper connections. Copper to aluminum or aluminum to aluminum shall be aluminum H-Tap type with antioxidant factory applied within grooves.
- C. All steel hardware to be hot dipped galvanized.

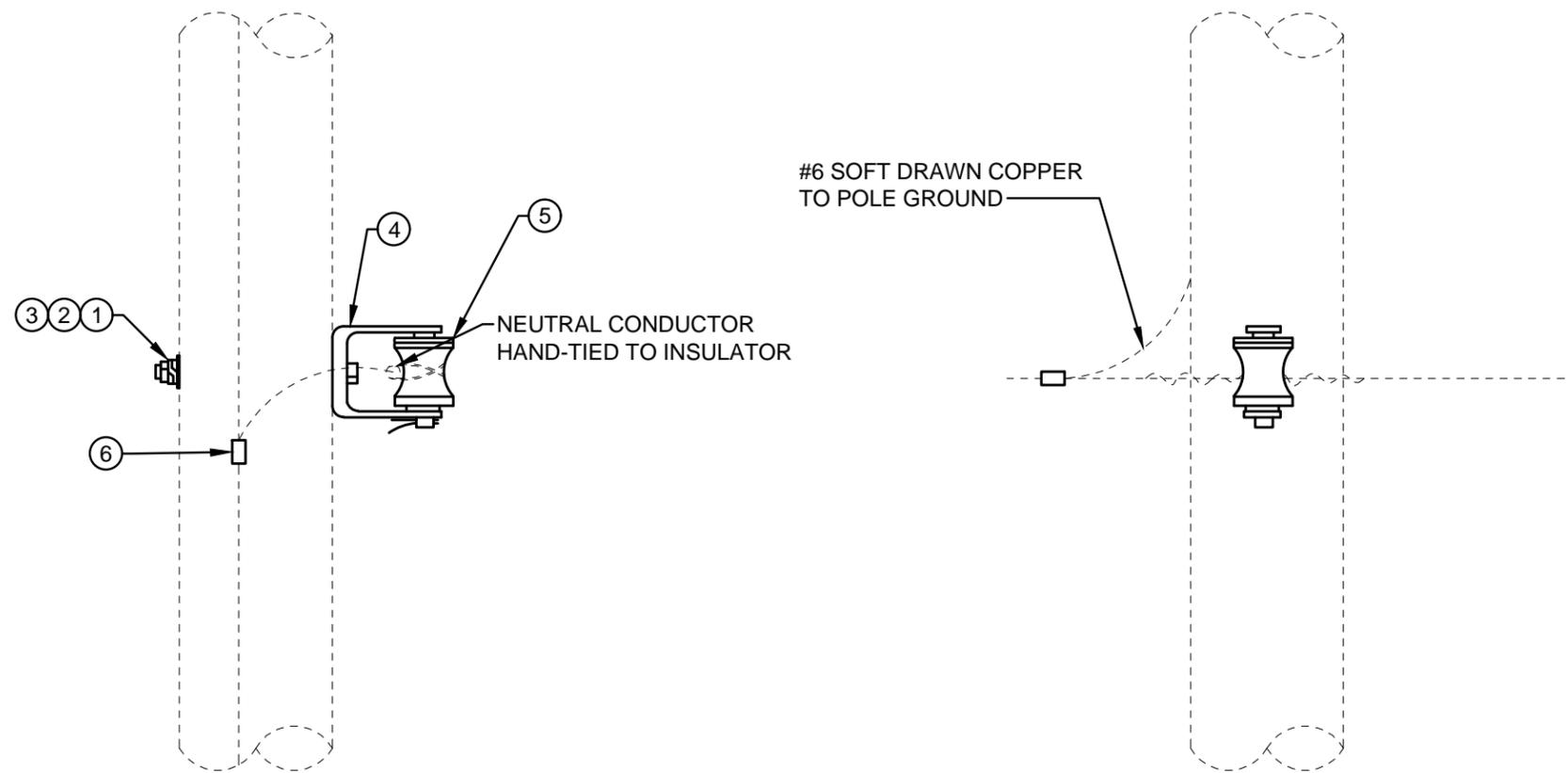
**III. Installation**

- A. The installation shall be as shown on drawing TDMIS-405.
- B. Installation shall include sag and guy adjustments as required to meet clearance requirements of the NESC and any local zoning codes.
- C. Conductor connections shall be completed and operational.

**IV. Method of Measurement**

Shall be per each completed assembly including bracket, bolts, washers, conductor and ground connections, tools, labor, equipment, and all miscellaneous hardware required for a complete and operational module.

CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER PRIMARY NEUTRAL TANGENT ASSEMBLY		
DRAWN BY: AEC	DATE: 01/01/2018	<b>TDMIS-405</b>
APPROVED: R. SPRITE		
	SHEET 1 of 2	



**DETAIL 1  
SIDE VIEW**

**DETAIL 2  
FRONT VIEW**

**ITEM LIST**

ITEM #	DESCRIPTION	PART #	QTY.
①	BOLT, 5/8"XLENGTH AS REQ.	42369	1
②	WASHER, SPRING LOCK, 11/16" HOLE, DOUBLE COIL	18895	1
③	WASHER, SQUARE CURVED, 2 1/4"X2 1/4"X3/16", 11/16" HOLE	18901	1
④	CLEVIS, PRIMARY	*	1
⑤	INSULATOR, SPOOL	20242	1
⑥	CONNECTOR, COMPRESSION, H TAP, SIZE AS REQUIRED	*	1

CITY OF COLUMBUS, OHIO  
DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER

**PRIMARY NEUTRAL TANGENT ASSEMBLY**

DRAWN BY: AEC      DATE: 01/01/2018  
APPROVED: R. SPRITE  
SCALE: NTS      SHEET: 2 OF 2

**TDMIS-405**