Transmission & Distribution
Material & Installation Specification

Underarm Switch

I. Quantity

The base bid shall include the indicated quantities of the specified Underarm Switch supplied and installed as hereinafter specified.

II. Material

A. All steel hardware to be hot dipped galvanized.

B. Load break disconnect switches shall be rated for under arm mounting and shall be rated for 14.4KV nominal, 15.5KV maximum, 110KV BIL, 630A continuous, 25000A symmetric short time withstand, 8” disconnect switch gap.

C. Switch shall be designed and rated for switching load currents, transformer magnetizing currents, line charging currents and cable charging currents.

D. Insulators shall be composite-polymer silicone.

III. **Installation**

A. The installation shall be as shown on drawing TDMIS-908.

B. Crossarm and brace assembly shall be installed inverted to allow hook stick operation from below.

IV. Method of measurement

Shall include all switches, hardware, labor, equipment, tools, supervision, and miscellaneous required for a complete and operational assembly.

V. Basis of payment

Items	Unit	Description
TDMIS-908	Each	Underarm switch assembly

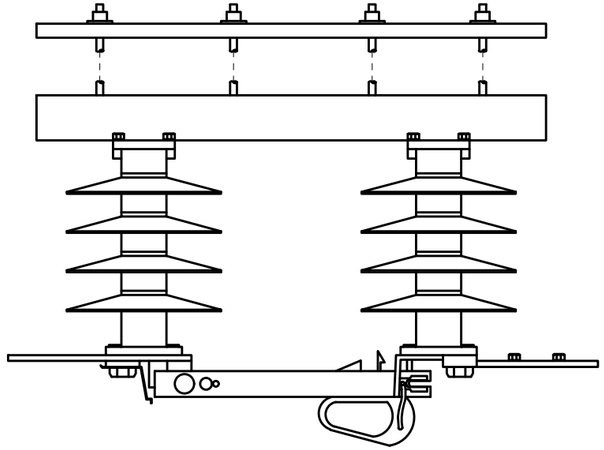
CITY OF COLUMBUS
DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER
UNDERARM SWITCH

DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-908
APPROVED:		
	SHEET 1 of 2	

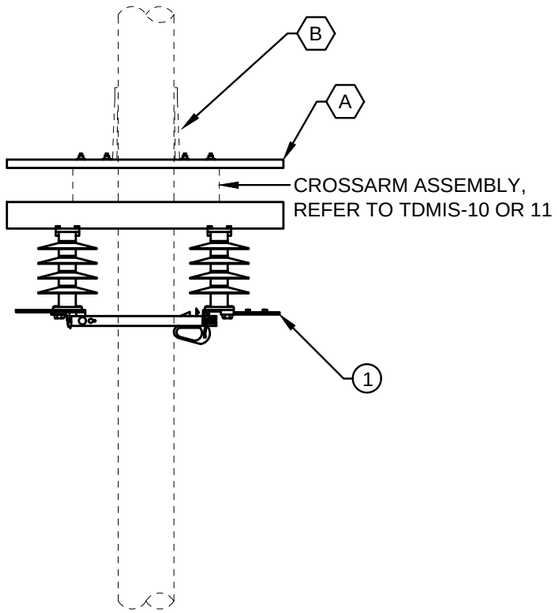
CODED NOTES:

(A) ALL SWITCH BASE PLATE MOUNTING BOLTS REQUIRE THE USE OF A 3/4" DOUBLE COIL LOCK WASHER WHICH IS INCLUDED IN THE SWITCH.

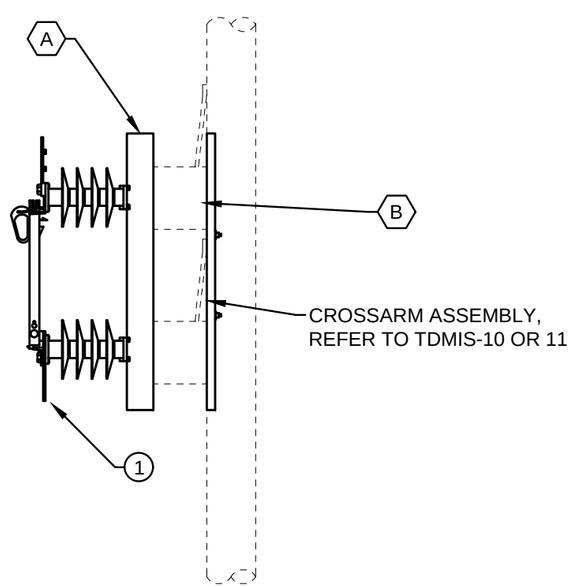
(B) CROSSARM ASSEMBLY SHALL BE PER TDMIS-10 OR 11 EXCEPT THAT CROSSARM AND BRACE ASSEMBLY SHALL BE INSTALLED TO ALLOW HOOK STICK OPERATION FROM BELOW.



DETAIL 1
UNDERARM SWITCH



DETAIL 2
HORIZONTAL MOUNTING



DETAIL 3
VERTICAL MOUNTING

ITEM LIST

ITEM #	DESCRIPTION	PART #	QTY.
1	UNDERARM SWITCH	*	AS REQ

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

UNDERARM SWITCH

DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-908
APPROVED:		
SCALE: NTS	SHEET: 2 OF 2	