

Transmission & Distribution
Material & Installation Specification

Miscellaneous Line Hardware

I. Quantity

N/A

II. Material

- A. The material shall be equal in quality, design, performance, and appearance to the items specified on drawing TDMIS-22.
- B. All steel hardware to be hot dipped galvanized.
- C. All bolts and nuts shall be square headed unless noted otherwise.

III. Installation

- A. The installation shall be as appropriate on drawing TDMIS-22 as related to and called out on TDMIS unit assembly drawings.
- B. Size and type hardware shall not be substituted without express approval of Engineer.

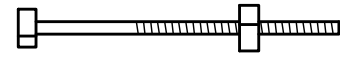
IV. Method of measurement

As required and included with other various modules.

V. Basis of payment

There are no pay items in this TDMIS. Pay items may be required and included with other various modules.

CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER MISCELLANEOUS LINE HARDWARE		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-22
APPROVED: <i>Kid</i>		
	SHEET 1 of 3	



MACHINE BOLT

DIAMETER (INCH)	LENGTH (INCHES)	PART NUMBER
1/2	6	18934
	12	61564
	14	61565
5/8	6	18935
	8	18936
	10	18937
	12	18938
	14	18939
	16	18940
	18	18941
	20	18942
	22	18943
	24	18944
3/4	28	18945
	10	18946
	12	18947
	14	18948
	16	18949
	18	18950
	20	18951
	22	18952
24	18953	
26	18954	

7/8	16	18961
	18	18962
	20	18963
	22	18964
	24	18965



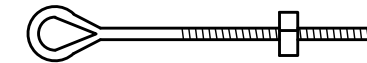
DOUBLE ARMING BOLT

DIAMETER (INCH)	LENGTH (INCHES)	PART NUMBER
5/8	14	19093
	16	19094
	18	19095
	20	19096
	22	19097
	24	19098
	30	19099
	36	19100



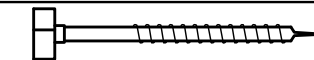
CARRIAGE BOLT

DIAMETER (INCH)	LENGTH (INCHES)	PART NUMBER
3/8	4-1/2	19091
	6	19092



OVAL EYE BOLT

DIAMETER (INCH)	LENGTH (INCHES)	PART NUMBER
5/8	10	18955
	12	18956
	14	18957
	16	18958
1 1/2	2	18959



LAG SCREW (FETTER DRIVE/PILOT POINT)


DIAMETER (INCH)	LENGTH (INCHES)	PART NUMBER
1/4	2	18982
3/8	4	18983
1/2	4	18984
	5	18985
	6	18986
5/8	5	18987


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


MISCELLANEOUS LINE HARDWARE


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 SCALE: NTS SHEET: 2 OF 3


TDMIS-22


 THIMBLE EYE NUT	
DIAMETER (INCH)	PART NUMBER
5/8	18980


 OVAL EYE NUT	
DIAMETER (INCH)	PART NUMBER
5/8	18977
3/4	18978

 ROUND WASHER	
DIAMETER (INCH)	PART NUMBER
3/8 *	18887
5/8 *	18888
9/16 *	18890
5/8	18889

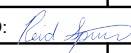
 DOUBLE COIL LOCK WASHER	
DIAMETER (INCH)	PART NUMBER
11/16 I.D.	18895
13/16 I.D.	18894

 SINGLE COIL LOCK WASHER	
DIAMETER (INCH)	PART NUMBER
11/16 I.D.	18893

 SQUARE CURVED WASHER	
DIAMETER (INCH)	PART NUMBER
2 1/4X2 1/4X3/16, 11/16 I.D.	18897
4X4X1/4, 15/16 I.D.	18900

 SQUARE FLAT WASHER	
DIAMETER (INCH)	PART NUMBER
2 1/4X2 1/4X3/16, 11/16 I.D.	18901
4X4X1/4, 13/16 I.D.	18902
4X4X1/4, 15/16 I.D.	18903
4X4X3/16, 7/8 I.D.	18904
4X4X1/2, 1 I.D.	18905

* ZINC COATED ITEMS, ALL OTHER ITEMS ARE HOT DIP GALVANIZED

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MISCELLANEOUS LINE HARDWARE		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-22
APPROVED: 		
SCALE: NTS	SHEET: 3 OF 3	