

**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.

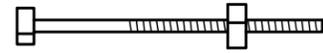
**IV. Method of measurement**

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.

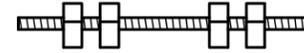
CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER MISCELLANEOUS LINE HARDWARE		
DRAWN BY: AEC	DATE: 01/01/2018	<b>TDMIS-22</b>
APPROVED: R. SPRITE		
SHEET 1 of 3		



**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
28	18945	
3/4	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



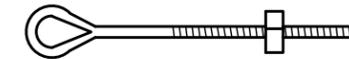
**DOUBLE ARMING BOLT**

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



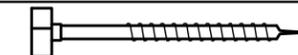
**CARRIAGE BOLT**

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

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

 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

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

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

 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

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

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

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SCALE: NTS	SHEET: 3 OF 3	