Transmission & Distribution Material & Installation Specification

Deadend Assemblies

I. <u>Quantity</u>

The base bid shall include the indicated quantities of primary and neutral deadend assemblies of the type furnished and installed as hereinafter specified.

II. <u>Material</u>

A. The material and assembly components shall be as shown and scheduled on drawings TDMIS-206 or engineer approved equals.

III. Installation

A. Deadend assemblies shall be installed at locations indicated on project drawings as appropriate for phase and / or neutral conductors. Eye nuts shall have no less than 5 bolt threads showing inside eye after installation. Strain clamps shall be torqued per manufacturers recommendations.

IV. <u>Method of measurement</u>

Shall be for a complete and functional assembly and shall be included with various modules as shown or required for that module.

When the deadend assembly is added to an existing structure it shall be a single assembly module. Measurement shall include all components shown or required for a complete and operating module including designated parts, labor, equipment, tools and shall include conductor tensioning and guy pulling to leave conductors at initial sag and energized.

V. Basis of payment

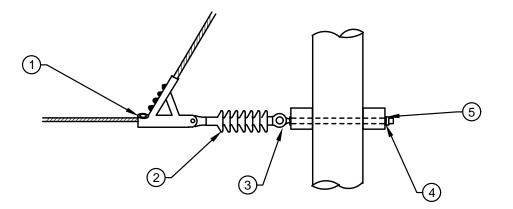
Shall be included with various modules that show or require dead end assemblies. When added to an existing structure, shall be:

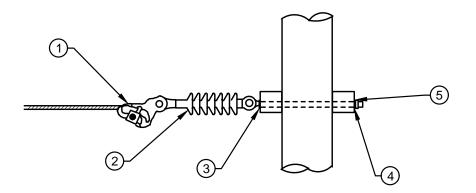
Items	Unit	Descri
TDMIS-206	Each	Deade

ription

end assembly

CITY OF COLUMBUS					
DEPT. OF PUBL	IC UTILITIES – DIV	ISION OF POWER			
DE	EADEND ASSEM	BLY			
DRAWN BY: AEC	DATE: 01/01/2018				
APPROVED: R. SPRITE					
APPROVED: R. SPRITE	1	TDMIS-206			
	SHEET 1 of 4				





	ITEM #	SUFFIX NO.	DESCRI	PTION	PART #	COMMEN	COMMENTS		
	1	1	#6 THRU #4/0 ALUM		20333	BABY SHO	BABY SHOE		
	1	2	#2/0 THRU ALUMINU		20334				
	1	3	#2 THRU #4/0 ALUMI		20335		STRAIGHT LINE DEADEND		
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR		
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT DEADEN			
	1	6	#556 THRU ALUMINU		20336				
	ITEM LIST								
	DESCRIPTION				PART #	QTY.			
(CLAMP, STRAIN,	CLEVIS (AS RE	QUIRED)			SEE SCH	1		
INSULATOR, DEADEND, POLYMER, 15KV, GRAY						20243	1		
NUT, OVAL EYE 5/8" - 11 UNC						18977	1		
1	WASHER, SQUA	RE FLAT, 2 1/4">	(2 1/4"X3/16", 11/	16" DIA. HOLE		18901	1		
WASHER, SPRING LOCK, 11/16" DIA. HOLE, DOUBLE COIL 18895				18895	1				
	CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER						ER		
				MODU	LE, CONDUC	-			
					DEADEN MCPDE				
				DRAWN BY: AEC	DATE: 01/01/2018				
				APPROVED: R. SPRITE SCALE: NTS	SHEET: 2 OF 4		-206		
				SUALE. NIS	301EE1. 20F4				

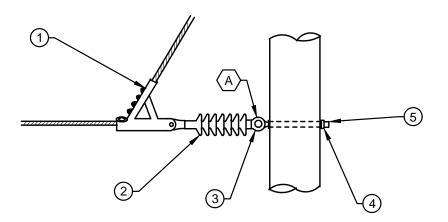
DETAIL 1
CONDUCTOR POLE, DEADEND, CROSSARM

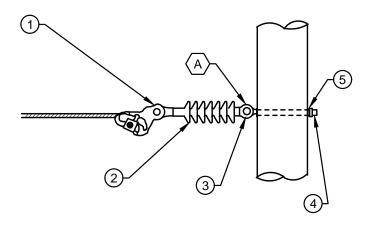
	ITEM #	SUFFIX NO.	DESCRI	IPTION	PART #	COMMEN	COMMENTS	
	1	1	#6 THRU #4/0 ALUM		20333	BABY SHO	BABY SHOE	
	1	2	#2/0 THRU ALUMINU		20334			
	1	3	#2 THRU #4/0 ALUM		20335		STRAIGHT LINE DEADEND	
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR	
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT LINE DEADEND		
	1	6		#556 THRU 795 ACSR ALUMINUM ONLY 20336				
ITEM LIST								
ITEM #			DESCRIPTION			PART #	QTY.	
1	CLAMP, STRAIN, CLEVIS (AS REQUIRED) SEE			SEE SCH	1			
2	INSULATOR, DE	ADEND,POLYME	R, 15KV, GRAY			20243	1	
3	NUT, OVAL EYE	5/8" - 11 UNC				18977	1	
4	WASHER, SQUA	RE FLAT, 2 1/4">	<2 1/4"X3/16", 11/ [.]	16" DIA. HOLE		18901	1	
5	WASHER, SPRING LOCK, 11/16" DIA. HOLE, DOUBLE COIL 18895			1				
				DEPT. OF F	CITY OF COLUMBU PUBLIC UTILITIES - D		ĒR	
				MOD	ULE, CONDUC DEADEN MCPDE			
				DRAWN BY: AEC	DATE: 01/01/2018		000	
				APPROVED: R. SPRIT			-206	

CODED NOTES:

A FOR VERTICAL CONSTRUCTION, ANCHOR SHACKLE AND EXTENSION LINK REQUIRED ON LOWER PHASE TO PROVIDE CLIMBING CLEARANCE

SCHEDULE





DETAIL 2 CONDUCTOR POLE, DEADEND, POLE

			SCH	EDULE						
	ITEM #	SUFFIX NO.	DESCRI	PTION	PART #	COMMEN	TS			
	1	1	#6 THRU #4/0 ALUMI		20333	BABY SHO	BABY SHOE			
	1	2	#2/0 THRU ALUMINU		20334					
	1	3	#2 THRU #4/0 ALUMI		20335		STRAIGHT LINE DEADEND			
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ACSR ONLY				
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT LINE DEADEND				
	1	6	#556 THRU ALUMINU		20336					
			ITEM L	IST						
			DESCRIPTION			PART #	QTY.			
CLAMP, STRAIN, CLEVIS (AS REQUIRED) SEE S				SEE SCH	1					
Ī	INSULATOR, DE	ADEND, POLYM	ER, 15KV, GRAY			20243	1			
Ī	NUT, OVAL EYE	EYE 5/8" - 11 UNC 18977				1				
T	WASHER, SQUA	RE CURVED, 3"	X3"X3/16", 11/16"	DIA. HOLE		18903	1			
Ī	WASHER, SPRING LOCK, 11/16" DIA. HOLE, DOUBLE COIL 18895				1					
-	CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER						ĒR			
				MODU	LE, CONDUC DEADEN MCPDE	D				
				DRAWN BY: AEC	DATE: 01/01/2018					
				APPROVED: R. SPRITE			TDMIS-206			
				SCALE: NTS	SHEET: 3 OF 4					

	ITEM #	SUFFIX NO.	DESCR	IPTION	PART #	PART # COMMENTS		
	1	1	#6 THRU #4/0 ALUM		20333	BABY SHOE		
	1	2	#2/0 THRU ALUMINU		20334			
	1	3	#2 THRU #4/0 ALUM		20335		STRAIGHT LINE DEADEND	
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR	
	1	5	#6 THRU #2	2 COPPER	ER 53636 STRAIGHT LIN DEADEND			
	1	6		6 THRU 795 ACSR LUMINUM ONLY 20336				
			ITEM L	_IST				
ITEM #			DESCRIPTION			PART #	QTY.	
	CLAMP, STRAIN	MP, STRAIN, CLEVIS (AS REQUIRED) SEE SCH				1		
2	INSULATOR, DE	ADEND, POLYM	ER, 15KV, GRAY			20243	1	
3	NUT, OVAL EYE	5/8" - 11 UNC				18977	1	
4	WASHER, SQUA	ARE CURVED, 3"	X3"X3/16", 11/16"	DIA. HOLE		18903	1	
5	WASHER, SPRI	NG LOCK, 11/16"	DIA. HOLE, DOU	BLE COIL		18895	1	
	CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER					ĒR		
				MOD	ULE, CONDUC DEADEN MCPDE	D		
				DRAWN BY: AEC	DATE: 01/01/2018		000	
				APPROVED: R. SPRIT			-206	

CODED NOTES:

A FOR VERTICAL CONSTRUCTION, ANCHOR SHACKLE AND EXTENSION LINK REQUIRED ON LOWER PHASE TO PROVIDE CLIMBING CLEARANCE

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DETAIL 3 NEUTRAL CONDUCTOR POLE, DEADEND

	SCHEDULE								
	ITEM #	SUFFIX NO.	DESCRI	PTION	PART #	COMMEN	COMMENTS		
	1	1	#6 THRU #4/0 ALUM		20333	BABY SHO	BABY SHOE		
	1	2	#2/0 THRU ALUMINU		20334				
	1	3	#2 THRU #4/0 ALUM		20335	STRAIGHT DEADEN			
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR		
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT LINE DEADEND			
	1	6	#556 THRU ALUMINU		20336				
	ITEM LIST								
	DESCRIPTION				PART #	QTY.			
	CLAMP, STRAIN	, CLEVIS (AS RE	QUIRED)			SEE SCH	1		
	BOLT, OVAL EY	E 5/8"X12"				18956	1		
	WASHER, SQUA	RE CURVED, 3"	K3"X3/16", 11/16"	DIA. HOLE		18903	1		
WASHER, SPRING LOCK, 11/16" DIA. HOLE, DOUBLE COIL 18895			18895	1					
	CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER						ĒR		
	MODULE NEUTRAL CONDUCTOR POLE						DLE		
					DEADEN	D			
					MNCPD	E			
				DRAWN BY: AEC	DATE: 01/01/2018				
				APPROVED: R. SPRITE			-206		
				SCALE: NTS	SHEET: 4 OF 4				

	ITEM #	SUFFIX NO.	DESCR	IPTION	TION PART # COMMENTS		тѕ	
	1	1	#6 THRU #4/0 ALUM		20333	BABY SHOE		
	1	2	#2/0 THRU ALUMINU		20334			
	1	3	#2 THRU #4/0 ALUM		20335	STRAIGHT DEADEN		
	1	4		#336 THRU 556 ACSR ALUMINUM ONLY 20217 USED FOR 3 ONL			6 ACSR	
	1	5	#6 THRU #2	#6 THRU #2 COPPER 53636			LINE D	
	1	6		#556 THRU 795 ACSR ALUMINUM ONLY 20336				
ITEM LIST								
ITEM #			DESCRIPTION	ESCRIPTION PART # QT				
1	CLAMP, STRAIN, CLEVIS (AS REQUIRED) SEE SCH					1		
2	BOLT, OVAL EYE 5/8"X12" 18956 1					1		
3	WASHER, SQUA	ASHER, SQUARE CURVED, 3"X3"X3/16", 11/16" DIA. HOLE 18903 1					1	
4	WASHER, SPRING LOCK, 11/16" DIA. HOLE, DOUBLE COIL 18895 1					1		
	CITY OF COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER					ĒR		
	MODULE NEUTRAL CONDUCTOR POLE						OLE	
					DEADEN			
				MNCPDE				
				DRAWN BY: AEC DATE: 01/01/2018				
				APPROVED: R. SPRITE	E		-206	

SCHEDULE
