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-406 or engineer approved equals.

III. Installation

A. Dead end 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

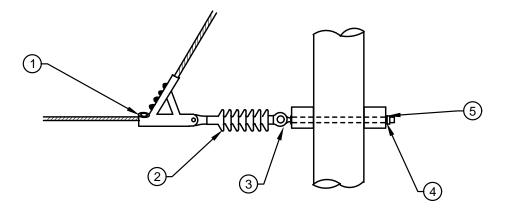
Shall be included with various modules that show or require dead end assemblies. When added to an existing structure, shall be:

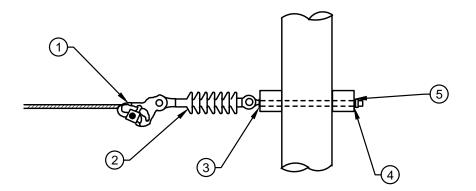
Items	Unit	Descri
TDMIS-406	Each	Comple

ription

lete deadend assembly

CITY OF COLUMBUS					
DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER					
DE	EADEND ASSEM	BLY			
DRAWN BY: AEC	DATE: 01/01/2018				
APPROVED: R. SPRITE					
AFFROVED. R. SFRITE		TDMIS-406			
	SHEET 1 of 4				





	ITEM #	SUFFIX NO.	DESCRI	PTION	PART #	COMMEN	тѕ
	1 1		#6 THRU #4/0 ALUMI		20333	BABY SHO	DE
	1	2	#2/0 THRU ALUMINU		20334		
	1	3	#2 THRU #4/0 ALUMI		20335	STRAIGHT I DEADEN	
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT I DEADEN	
	1	6	#556 THRU ALUMINU		20336		
			ITEM L	_IST			
¥			DESCRIPTION			PART #	QTY.
	CLAMP, STRAIN	, CLEVIS (AS RE	QUIRED)			SEE SCH	1
	INSULATOR, DE		20243	1			
	NUT, OVAL EYE 5/8" - 11 UNC						1
	WASHER, SQUARE FLAT, 2 1/4"X2 1/4"X3/16", 11/16" DIA. HOLE						1
	WASHER, SPRIN	IG LOCK, 11/16"	DIA. HOLE, DOUE	BLE COIL		18895	1
					CITY OF COLUMBU	,	ĒR
					LE, CONDUC DEADEN MCPDE	D	
				DRAWN BY: AEC	DATE: 01/01/2018		
				APPROVED: R. SPRITE			-406
				SCALE: NTS	SHEET: 2 OF 4		

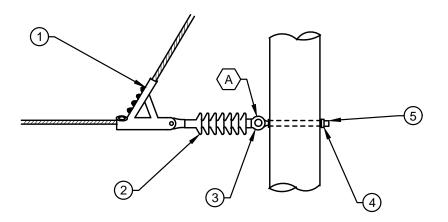
DETAIL 1
CONDUCTOR POLE, DEADEND, CROSSARM

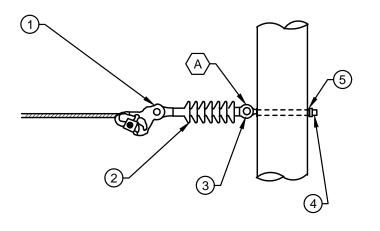
	ITEM #	SUFFIX NO.	DESCRI	PTION	PART #	COMMEN	TS	
	1 1 1 2		#6 THRU #4/0 ALUM		20333	BABY SHO	DE	
			#2/0 THRU ALUMINU		20334			
	1	3	#2 THRU #4/0 ALUM		ER OR 20335 STRAIGHT DEADE			
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR	
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT I DEADEN		
	1 6		#556 THRU ALUMINU		20336			
			ITEM L	_IST				
ITEM #			DESCRIPTION			PART #	QTY.	
1	CLAMP, STRAIN	I, CLEVIS (AS RE	QUIRED)			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	ARE FLAT, 2 1/4"X	(2 1/4"X3/16", 11/ ⁻	16" DIA. HOLE		18901	1	
5	WASHER, SPRI	NG LOCK, 11/16"	DIA. HOLE, DOUI	BLE COIL		18895	1	
				DEPT. OF F	CITY OF COLUMBU PUBLIC UTILITIES - D		R	
				MODULE, CONDUCTOR POLE, DEADEND MCPDE				
				DRAWN BY: AEC	DATE: 01/01/2018			
		APPROVED: R. SPRITE TDMIS-40						

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

	SCHEDULE							
	ITEM #	ITEM # SUFFIX NO. DESCRIPTION PART #			PART #	COMMENTS		
	1	1 #6 THRU #4/0 ALUN			20333	BABY SHO	ЭЕ	
	1	2	#2/0 THRU ALUMINU		20334			
	1	3	#2 THRU #4/0 ALUMI		20335	STRAIGHT DEADEN		
	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 795 ACSR ALUMINUM ONLY 20336				
			ITEM L	IST				
			DESCRIPTION			PART #	QTY.	
	CLAMP, STRAIN	, CLEVIS (AS RE	QUIRED)			SEE SCH	1	
Ī	INSULATOR, DE	ADEND, POLYM	ER, 15KV, GRAY			20243	1	
	NUT, OVAL EYE	5/8" - 11 UNC				18977	1	
	WASHER, SQUA	RE CURVED, 3"	X3"X3/16", 11/16"	DIA. HOLE		18903	1	
	WASHER, SPRIN	NG LOCK, 11/16"	DIA. HOLE, DOUE	BLE COIL		18895	1	
					CITY OF COLUMBU	- ,	ĒR	
	MODULE, CONDUCTO DEADEND MCPDE					D		
				DRAWN BY: AEC	DATE: 01/01/2018		105	
				APPROVED: R. SPRITE SCALE:NTS	SHEET: 3 OF 4		-406	
				JUALE. NI J	SHEET. SUF4			

	ITEM #	SUFFIX NO.	DESCR	IPTION	PART #	COMMEN	TS	
	1	1	#6 THRU #4/0 ALUM		20333	BABY SHO	DE	
	1	2	#2/0 THRU ALUMINU		20334			
	1	3	#2 THRU #4/0 ALUM		20335	STRAIGHT I DEADEN		
	1	4	#336 THRU ALUMINU		20217	USED FOR 336 ONLY	6 ACSR	
	1	5	#6 THRU #2	2 COPPER	53636	STRAIGHT I DEADEN		
	1	6	#556 THRU ALUMINU		20336			
			ITEM L	_IST				
ITEM #			DESCRIPTION			PART #	QTY.	
	CLAMP, STRAIN	I, CLEVIS (AS RE	QUIRED)			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, SPRII	NG LOCK, 11/16"	DIA. HOLE, DOU			18895	1	
				DEPT. OF F	CITY OF COLUMBU PUBLIC UTILITIES - D		R	
				MODULE, CONDUCTOR POLE, DEADEND MCPDE				
				DRAWN BY: AEC	DATE: 01/01/2018			
				APPROVED: R. SPRITE TDMIS-406				

CODED NOTES:

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

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	ITEM # SUFFIX NO. DESCR			IPTION	PART #	COMMEN	TS
			#6 THRU #4/0 ALUM		20333	BABY SHO	DE
	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 I DEADEN	
	1	6	#556 THRU ALUMINU		20336		
			ITEM L	_IST			
ł			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"	X3"X3/16", 11/16"	DIA. HOLE		18903	1
	WASHER, SPRIN	NG LOCK, 11/16"	DIA. HOLE, DOUI	BLE COIL		18895	1
					CITY OF COLUMBL UBLIC UTILITIES - D		ĒR
MODULE NEUTRAL CONDUCTOR POI DEADEND MNCPDE							OLE
				DRAWN BY: AEC	DATE: 01/01/2018		
				APPROVED: R. SPRITE			-406
				SCALE: NTS	SHEET: 4 OF 4		

	ITEM #	SUFFIX NO.	DESCR	IPTION	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 DEADEN	
	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 L	_IST			
ITEM #			DESCRIPTION			PART #	QTY.
1	CLAMP, STRAIN	, CLEVIS (AS RE	QUIRED)			SEE SCH	1
2	BOLT, OVAL EY	E 5/8"X12"				18956	1
3	WASHER, SQUA	RE CURVED, 3">	X3"X3/16", 11/16"	DIA. HOLE		18903	1
4	WASHER, SPRIM	NG LOCK, 11/16"	DIA. HOLE, DOU	BLE COIL		18895	1
				DEPT. OF F	CITY OF COLUMBL PUBLIC UTILITIES - D	,	ĒR
				MODULE	NEUTRAL CO		OLE
				DEADEND			
				MNCPDE			
				DRAWN BY: AEC DATE: 01/01/2018			
				APPROVED: R. SPRITE TOMIS-406			

DETAIL 3 NEUTRAL CONDUCTOR POLE, DEADEND