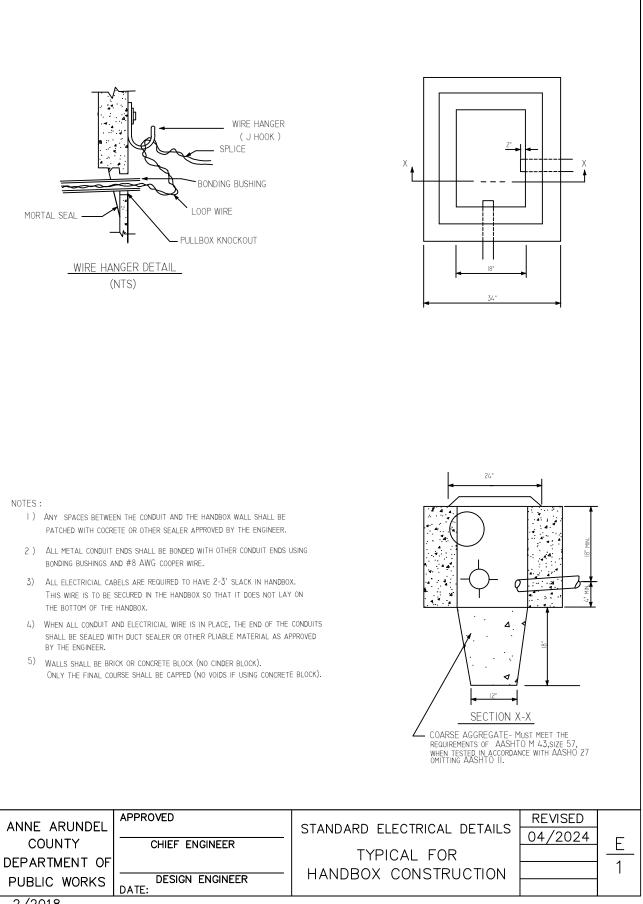
SECTION IX ELECTRICAL

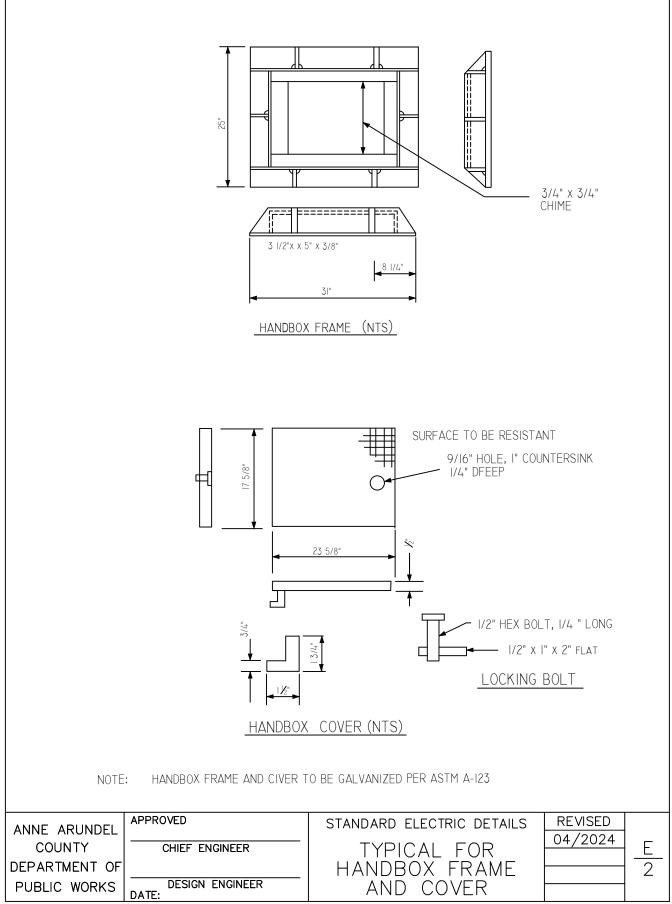
TOC-IX.1 of 1

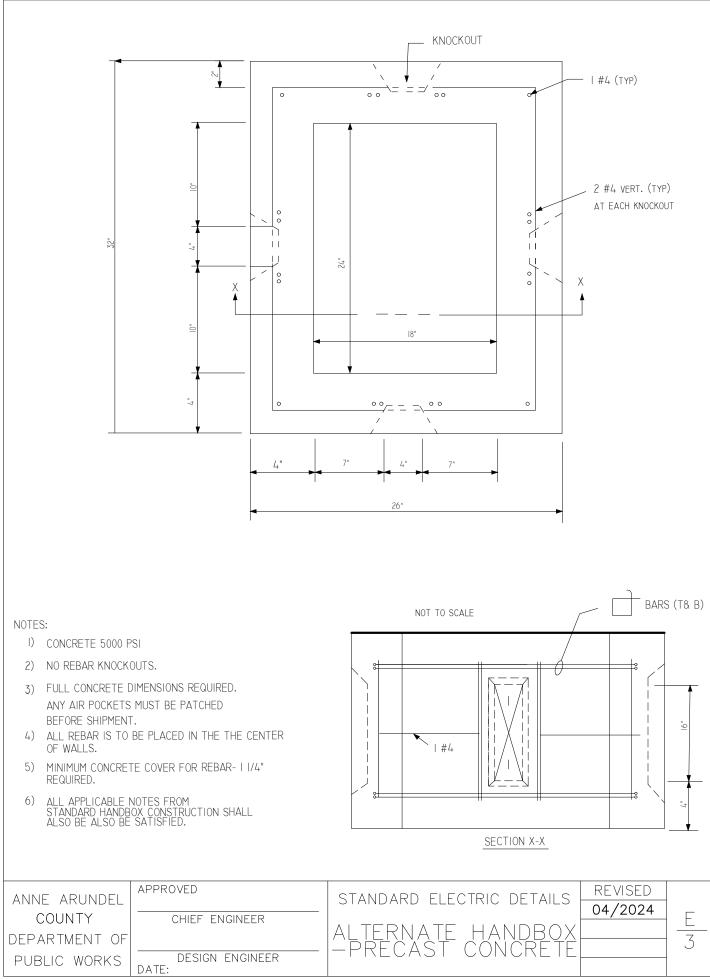
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ELECTRICAL

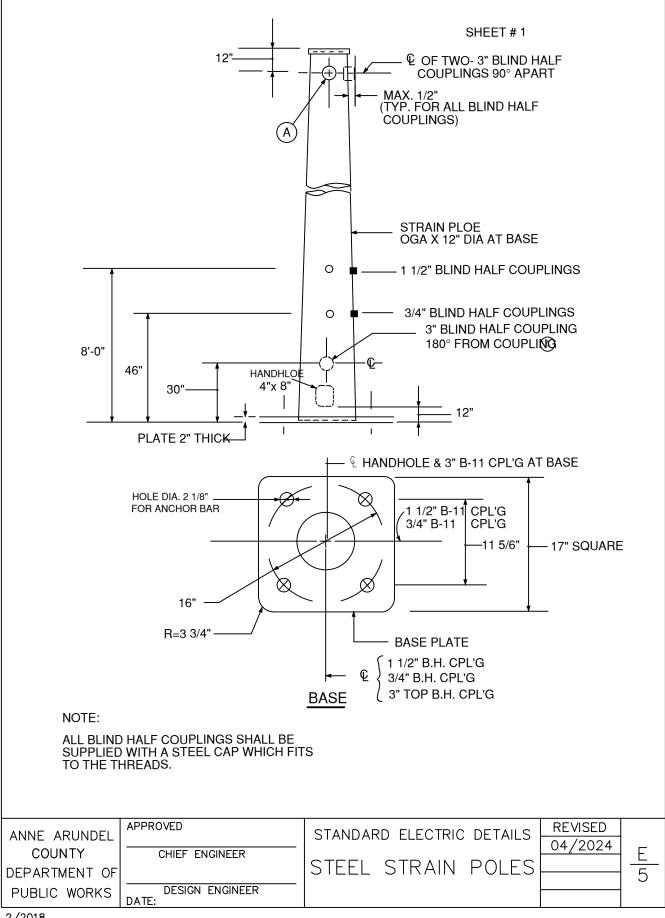
<u>No.</u>	<u>Title</u>
E-1	Typical For Handbox Construction
E-2	Typical For Handbox Frame And Cover
E-3	Alternate Handbox – Precast Concrete
E-4	Steel Strain Poles
E-5	Steel Strain Poles
E-6	Two Ply Strain Pole
E-7	Pedestal Typical
E-8	Arm Splice Connection
E-9	Twin Mast Arms
E-10	Mast Arm Details
E-11	Blind Half Coupling
E-12	Mast Arms
E-13	Mast Arms
Note:	Standard Foundation Details For Traffic Signal & Strain Poles And For Street Lighting By Others.

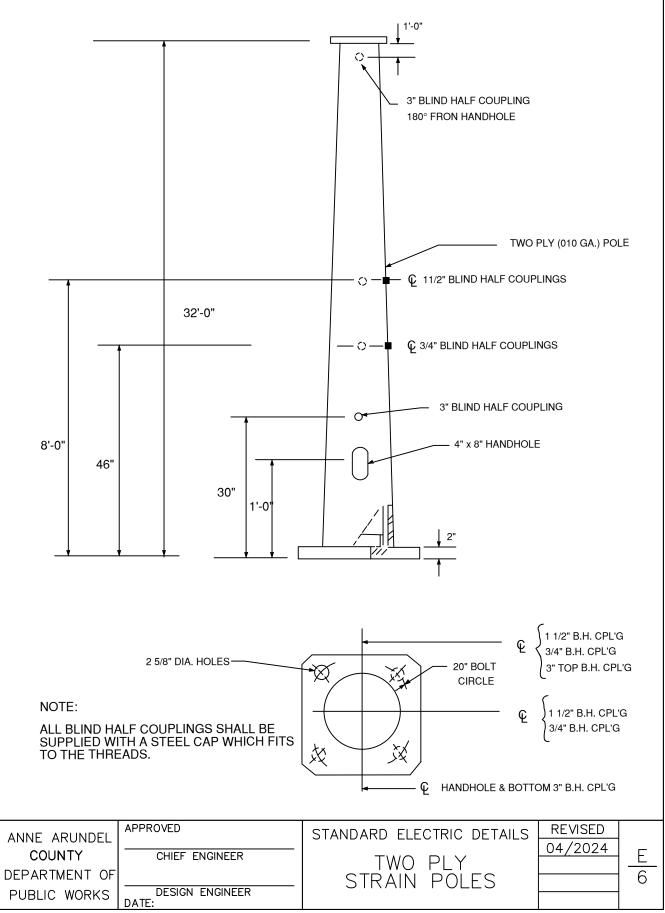


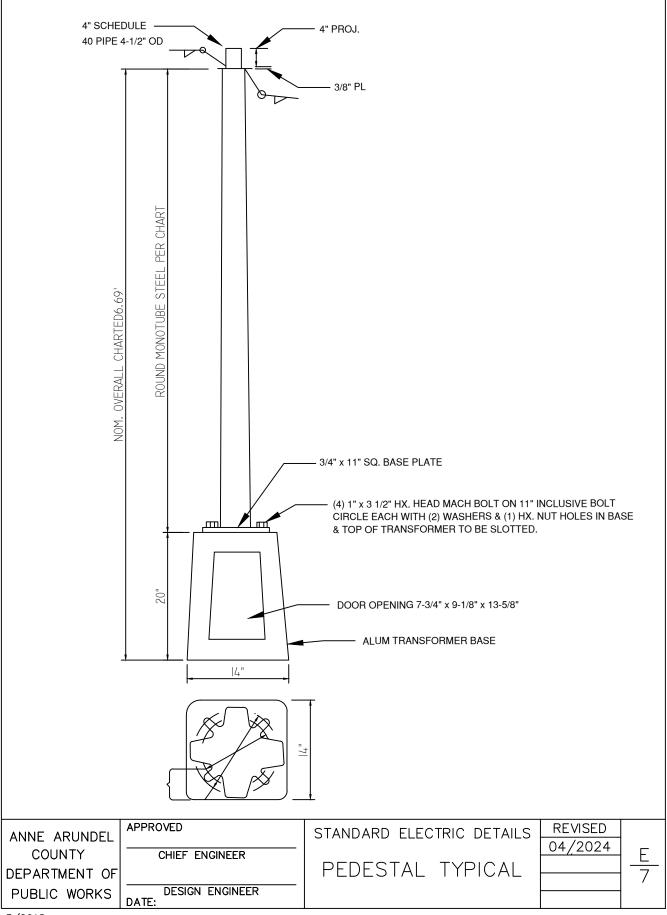


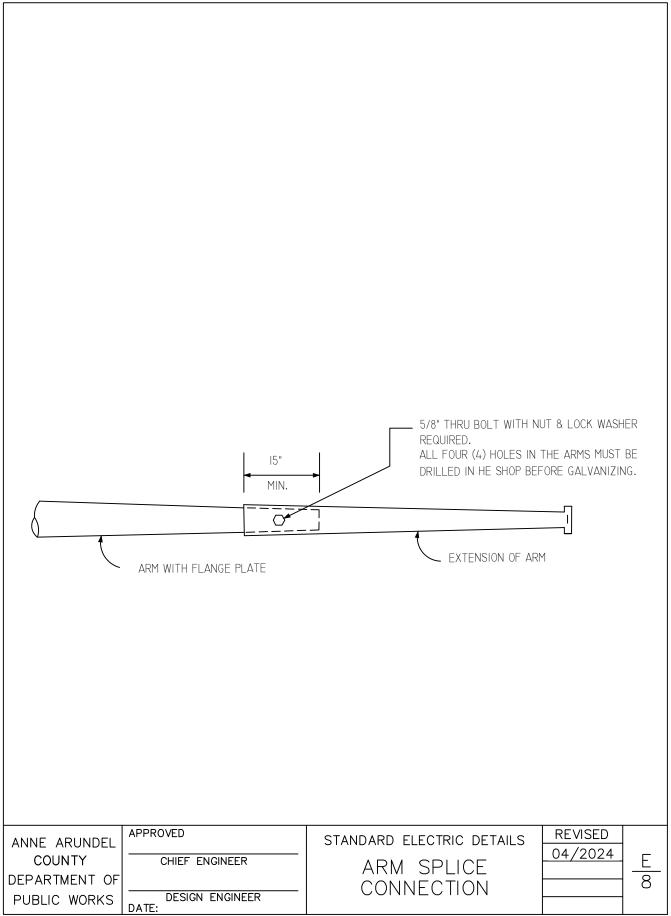


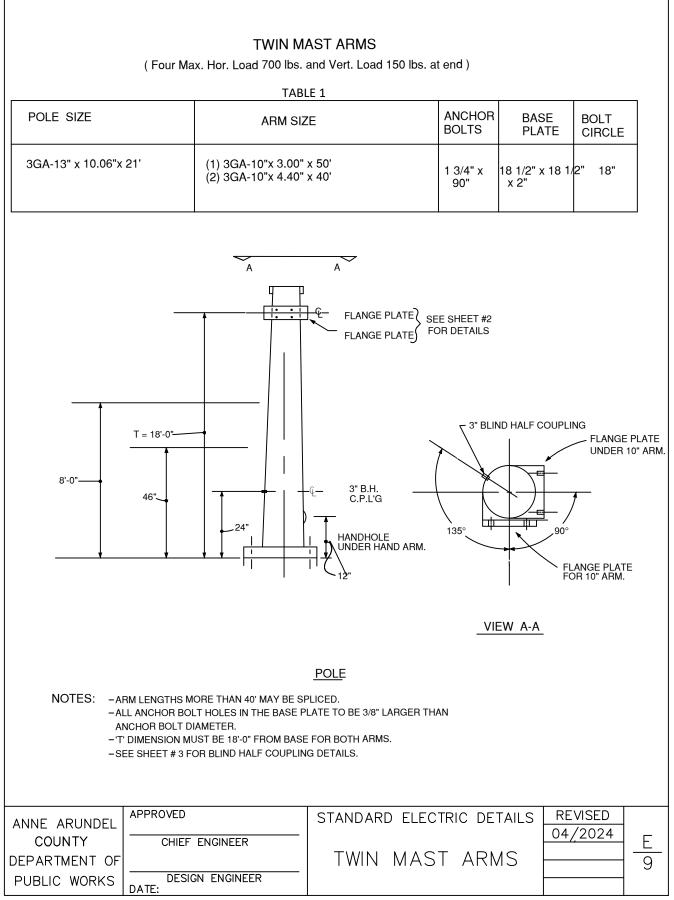
		ALL :	SHAFTS SH.	ALL ALSO	INCLUDE :				
		Q PO	DLE CAP OR	COVER					
	La	RW	ELDED STEF	EL POLE S	TRAP				
		S 8 HEXAGON NUTS PER POLE							
		T 41/2" x 6" HAND HOLE & COVER U SHAFT THICKNESS 3 GAUGE OR O GAUGE							
22 24 26' 28' 30'	G								
				SCHEDULE	E OF DIMEN	SIONS			
			22'	24'	26'	28'	30'		
	 ■−−−(Ħ)	А	2 3/4"	4 /8"	4 7/8"	17"	7"		
		В	8 7/8"	10 1/2"	10 1/2"	5/ 6"	5/ 6"		
DET	AIL A	С	9"	10"	"	12"	2"		
		D	7/8"	2 3/16"	2 3/16"	2 1/2"	2 1/2"		
		E	2 "	2 /4"	2 /4"	2 7/8"	2 7/8"		
		F	/2"	3/4"	3/4"	2 "	2 "		
	HIG MINISTRATIC	G	48"	52"	55"	55"	60"		
		Н	4"	4"	4"	4"	4"		
		J	/2"	3/4"	3/4"	2 "	2 "		
		К	6"	6"	6"	6"	6"		
ANNE ADUNDEL APPROVED					RE	VISED			
ANNE ARUNDEL COUNTY CHIEF ENGINEER	STANDARD EL	ECTR	ICAL D	ETAILS		/2024			
DEPARTMENT OF PUBLIC WORKS DATE:	STEEL S	TRAI	N POI	ES			$\frac{1}{4}$		

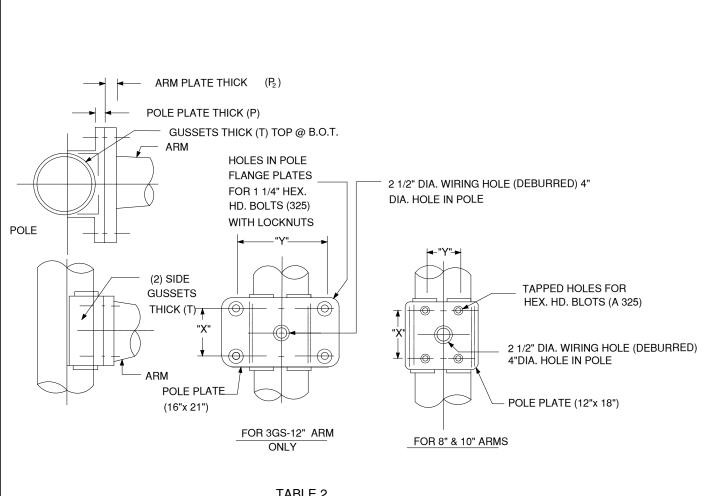












						* FLANGE BOLTS				
ARM SIZE	Х	Y	Т	Р	P2	DIA.	THREAD LENGTH	TOTAL LENGTH	NUTS & WASHERS	
7 GA - 8" DIA.	14"	6 1/2"	1/4"	1 1/4"	2 1/2"	1 1/4"	3 1/2"	4"	FLAT WASHER	
7 GA - 9" DIA.	14"	6 1/2"	1/4"	1 1/4"	2 1/2"	1 1/4"	3 1/2"	4"	FLAT WASHER	
7 GA - 10" DIA.	14"	6 1/2"	1/4"	1 1/4"	3"	1 1/2"	3 1/2"	4 3/4"	FLAT WASHER	
7 GA - 12" DIA.	13"	18"	3/8"	2"	2 1/2"	1 1/4"	3 1/2"	6 1/4"	FLAT WASHER & LOCK NUT	

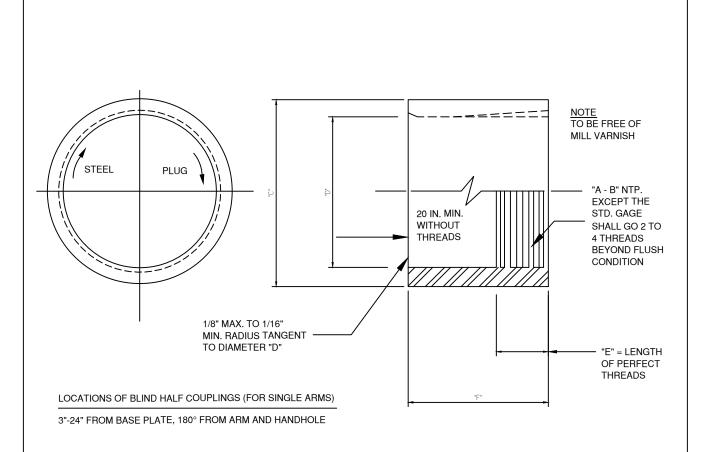
* ASTM A 325-BOLTS, NUTS AND WASHERS

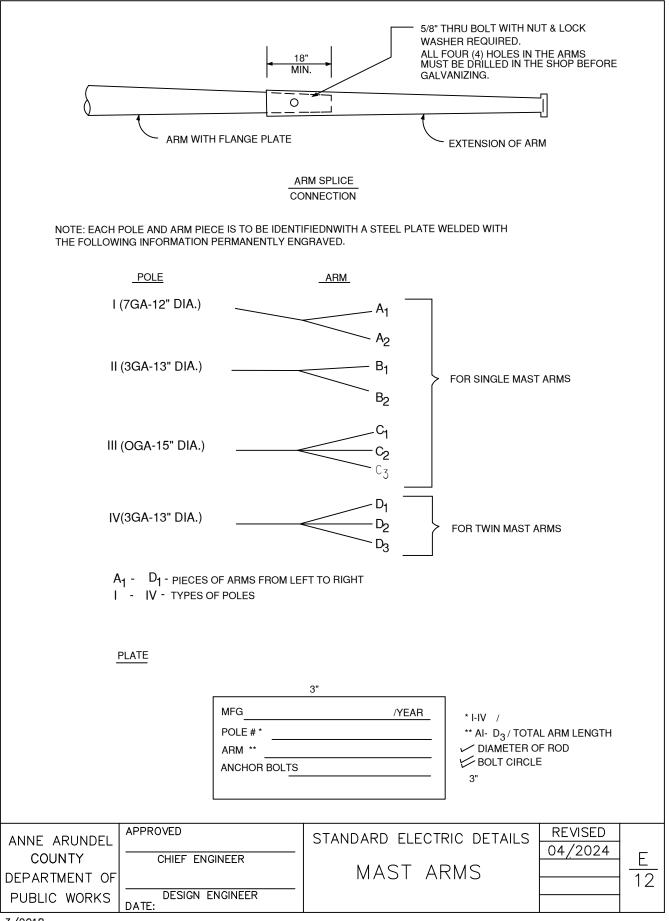
NOTE: ALL MAST ARMS SHALL HAVE 3 DEFREE RISE IN ARMS ONLY. FLANGE PLATES MUST BE VERTICAL.

ANNE ARUNDEL	APPROVED	STANDARD ELECTRIC DETAILS	REVISED	
COUNTY	CHIFF ENGINEER	STANDARD ELECTRIC DETRIES	04/2024	
0001111		MAST ARMS DETAILS		
DEPARTMENT OF		IVIASI ARIVIS DETAILS		10
PUBLIC WORKS	DESIGN ENGINEER			
	DATE:			

			TABLE 3					
"А-Е	3"	"C"	"D"	"E"	"F"			
3"-8		.4"	3.25"	1.575"	2 1/4"			
3/4"-1	14	1 5/16"	0.891"	0.759"	1 3/8"			
1 1/4"-	11 1/2	1 29/32"	1.469"	0.967"	1 1/2"			
NOTES	NOTES: (1) BLIND HALF COUPLINGS SHALL BE LOCATED AS NOTED ON E/13 FOR TWIN ARMS. (2) BLIND HALF COUPLINGS SHALL BE SUPPLIED WITH STEEL CAP WHICH FITS TO THE THREADS.							
ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS		ENGINEER N ENGINEER	_ standard el _BLIND HAL	ectric detai F COUPLI	04/2024	<u> </u>		
3/2018			-					







			MAST ARMS (SIZES & QUANT						
			TABLE #1						
QUANITY	ARM LENG	THS POL	POLE SIZE ARM SIZE		ANCHO	ANCHOR BASE PLA		BOLT	
GALVANIZED CO	DATED IN FEET				BOLTS	;	SIZE	CIRCLE	
	22	7GA-12	2" x 9.06" x 21 FT.	7GA-8"x4.92"x 22 FT.	1 1/2" x 6	0" 17	"x17"x1 1/2"	16"	
	26		1 I	7GA-8"x4.36"x 26 FT.	Î			Ť	
	28			7GA-8"x4.08"x 28 FT.					
	30			7GA-8"x3.8"x 30 FT.					
	32			7GA-8"x3.52"x 32 FT.					
	34			7GA-9"x4.24"x 34 FT.					
	36		•	7GA-9"x3.96"x 36 FT.				•	
	38	7GA-12	2"x9.06"x 21 FT.	7GA-9"x3.68"x 38 FT.	1 1/2" x 6	0" 17	"x17"x1 1/2"	16"	
	40	3GA-13	3"x10.06"x 21 FT.	3GA-10"x4.40"x 40 FT.	1 3/4" x 9	0" 18	1/2"x18 1/2"x 2"	18"	
	42		t l	3GA-10"x4.12"x 42 FT.	1 t		t I	t l	
	44			3GA-10"x3.84"x 44 FT.					
	46			3GA-10"x3.56"x 46 FT.					
	48			3GA-10"x3.28"x 48 FT.				Ļ	
	50	3GA-13	3"x10.06"x 21 FT.	3GA-10"x3.00"x 50 FT.	1 3/4" x 9	0" 18	1/2"x18 1/2"x 2"	18"	
	52	OGA-1	5"x12.06"x 21 FT.	3GA-12"x4.72"x 52 FT.	2" x 90	' 2:	3"x23"x2"	22"	
	54		† I	3GA-12"x4.44"x 54 FT.	Î			Ť	
	56			3GA-12"x4.16"x 56 FT.					
	58			3GA-12"x3.88"x 58 FT.				Ļ	
	60	OGA-1	5"x12.06"x 21 FT.	3GA-12"x3.60"x 60 FT.	2" x 90	' 2	3"x23"x2"	22"	
- ALL F	LENGTHS MORE THAN 40' MA IOLED IN BASE PLATES TO BE T" DIMENSIONS TO BE 18'-0" (E 3/8" LARGER THAN A		TER.					
	APPROVED							REVISED	Γ
NNE ARUNDEL			0	STANDARD ELECT	LECTRIC DETAILS			04/2024	1
COUNTY	CHIEF ENGINE	LK						,] -
PARTMENT OF	DESIGN ENG		MAST ARMS						
UBLIC WORKS	DATE:								